

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061827.D
 Acq On : 17 Apr 2019 1:24
 Operator : VA/AP
 Sample : VD0416SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 02:07:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	591486	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.21	114	913949	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.37	117	784157	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	384855	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	228907	46.18	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	6.92	113	327052	47.37	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	10.41	98	819193	50.07	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	13.56	95	291476	43.95	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	91933	15.924	ug/l	95
3) Chloromethane	1.75	50	84663	18.401	ug/l	91
4) Vinyl Chloride	1.84	62	72332	15.841	ug/l	98
5) Bromomethane	2.15	94	16585	13.544	ug/l	85
6) Chloroethane	2.26	64	27369	17.570	ug/l	97
7) Trichlorofluoromethane	2.52	101	129400	17.473	ug/l	99
8) Diethyl Ether	2.87	74	34321	17.684	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	123234	18.663	ug/l	93
10) Methyl Iodide	3.30	142	171226	18.616	ug/l	99
11) Tert butyl alcohol	4.06	59	24759	84.693	ug/l	97
12) 1,1-Dichloroethene	3.12	96	100341	18.075	ug/l	95
13) Acrolein	3.04	56	26423	93.365	ug/l	98
14) Allyl chloride	3.62	41	141062	18.643	ug/l	98
15) Acrylonitrile	4.19	53	88889	96.854	ug/l	97
16) Acetone	3.22	43	97460	79.770	ug/l	97
17) Carbon Disulfide	3.37	76	294365	16.412	ug/l	100
18) Methyl Acetate	3.64	43	47220	19.283	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	194089	18.735	ug/l	94
20) Methylene Chloride	3.81	84	132489	18.969	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	113480	18.601	ug/l	98
22) Diisopropyl ether	5.11	45	293964	18.175	ug/l	95
23) Vinyl Acetate	5.05	43	809669	93.644	ug/l	99
24) 1,1-Dichloroethane	4.98	63	179975	18.353	ug/l	99
25) 2-Butanone	6.06	43	120308	86.494	ug/l	95
26) 2,2-Dichloropropane	6.03	77	142960	16.866	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	128810	19.477	ug/l	92
28) Bromochloromethane	6.43	49	73282	19.674	ug/l	92
29) Tetrahydrofuran	6.45	42	63369	93.527	ug/l	99
30) Chloroform	6.67	83	218192	19.948	ug/l	98
31) Cyclohexane	6.95	56	125087	16.662	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	174037	17.949	ug/l	99
36) 1,1-Dichloropropene	7.15	75	148883	19.935	ug/l	98
37) Ethyl Acetate	6.18	43	62982	19.704	ug/l	98
38) Carbon Tetrachloride	7.11	117	180654	19.156	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	152261	19.633	ug/l	95
40) Benzene	7.46	78	361059	20.137	ug/l	97
41) Methacrylonitrile	6.45	41	72094	19.082	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	124924	20.005	ug/l	99
43) Isopropyl Acetate	9.24	43	91325	20.303	ug/l	95
44) Trichloroethene	8.54	130	133742	19.376	ug/l	100
45) 1,2-Dichloropropane	8.94	63	95017	20.345	ug/l	97
46) Dibromomethane	9.06	93	67739	20.355	ug/l	97
47) Bromodichloromethane	9.38	83	158046	20.586	ug/l	97
48) Methyl methacrylate	9.12	41	56038	21.194	ug/l	98
49) 1,4-Dioxane	9.08	88	10713	370.693	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	273539	99.441	ug/l	98
52) Toluene	10.51	92	249083	21.678	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	141467	20.450	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	157341	19.376	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	81899	21.153	ug/l	98
56) Ethyl methacrylate	11.04	69	83217	19.583	ug/l	95
57) 1,3-Dichloropropane	11.40	76	127217	21.856	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	247219	122.313	ug/l	99
59) 2-Hexanone	11.53	43	198103	96.964	ug/l	96
60) Dibromochloromethane	11.69	129	129461	20.435	ug/l	99
61) 1,2-Dibromoethane	11.81	107	93425	19.624	ug/l	96
64) Tetrachloroethene	11.26	164	111830	19.016	ug/l	98
65) Chlorobenzene	12.40	112	301769	20.664	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	123565	20.191	ug/l	93
67) Ethyl Benzene	12.53	91	490285	20.964	ug/l	99
68) m/p-Xylenes	12.66	106	360067	40.987	ug/l	99
69) o-Xylene	13.05	106	163346	19.783	ug/l	94
70) Styrene	13.08	104	276448	19.456	ug/l	97
71) Bromoform	13.23	173	71606	19.712	ug/l #	96
73) Isopropylbenzene	13.40	105	478135	19.157	ug/l	99
74) N-amyl acetate	13.26	43	119091	17.744	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	88851	18.009	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	82646	16.352	ug/l	97
77) Bromobenzene	13.67	156	132892	18.744	ug/l	90
78) n-propylbenzene	13.78	91	518203	17.970	ug/l	98
79) 2-Chlorotoluene	13.83	91	328742	19.515	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	349414	17.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	23211	16.550	ug/l	89
82) 4-Chlorotoluene	13.94	91	336241	17.438	ug/l	91
83) tert-Butylbenzene	14.19	119	430701	18.522	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	366160	18.394	ug/l	97
85) sec-Butylbenzene	14.37	105	475736	19.790	ug/l	99
86) p-Isopropyltoluene	14.49	119	430491	19.140	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	238404	19.261	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	226515	18.514	ug/l	98
89) n-Butylbenzene	14.80	91	391983	19.688	ug/l	98
90) Hexachloroethane	15.01	117	116780	19.049	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	207973	20.060	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12460	20.948	ug/l	97

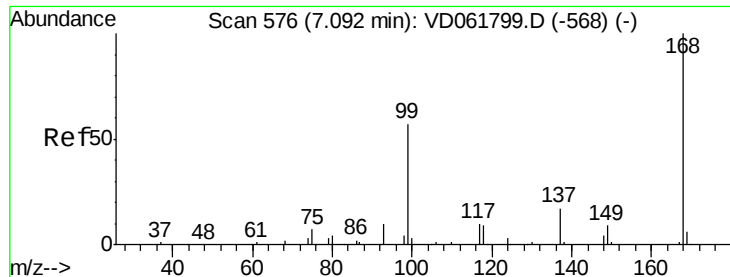
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	102605	18.019	ug/l	95
94) Hexachlorobutadiene	16.04	225	74230	17.988	ug/l	98
95) Naphthalene	16.12	128	165356	18.946	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	61902	19.076	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

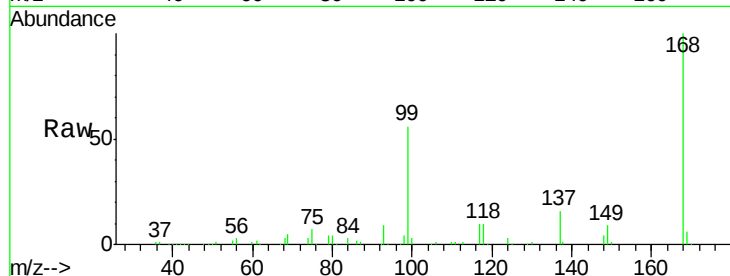
ClientSampleId :

Tot Ion:168 Resp: 591486

Ion Ratio Lower Upper

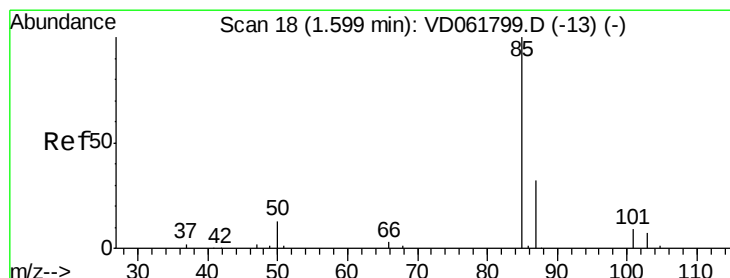
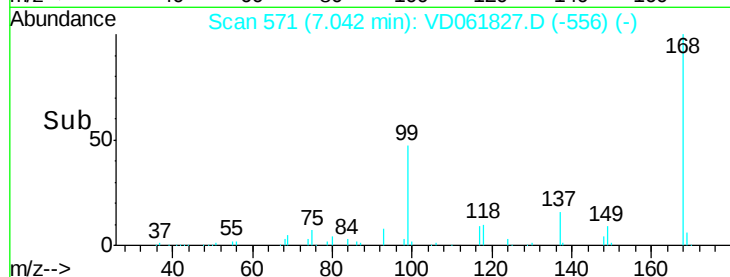
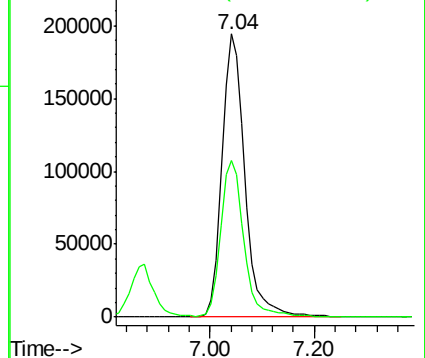
168 100

99 55.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.924 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061827.D

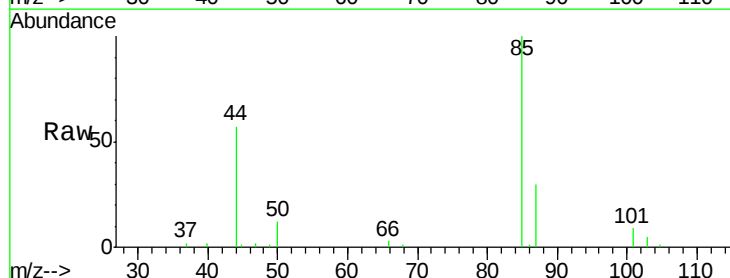
Acq: 17 Apr 2019 1:24

Tgt Ion: 85 Resp: 91933

Ion Ratio Lower Upper

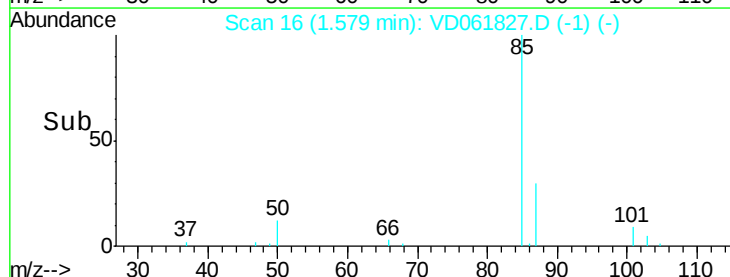
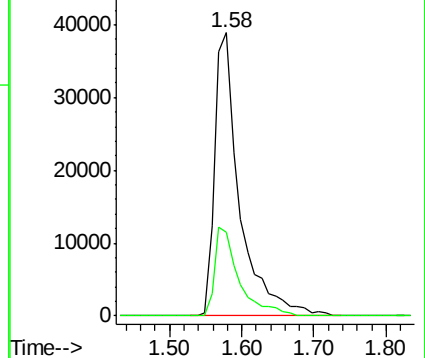
85 100

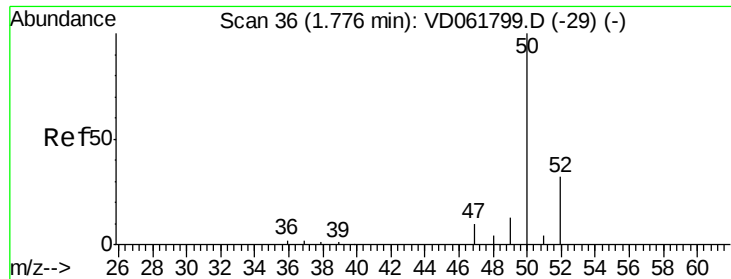
87 29.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.401 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

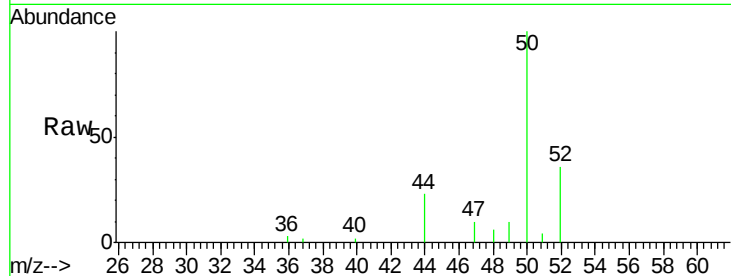
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 84663

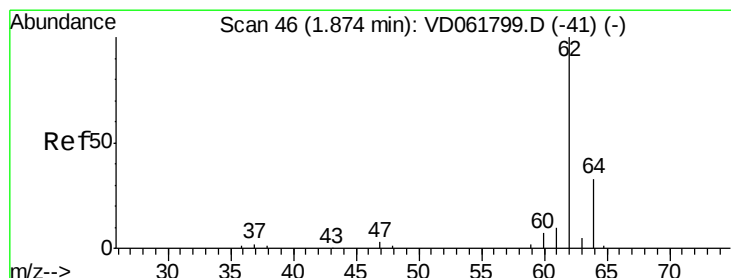
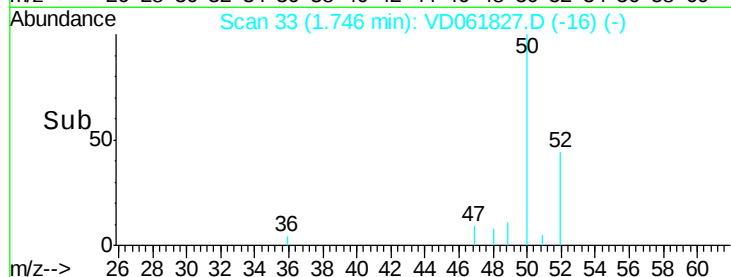
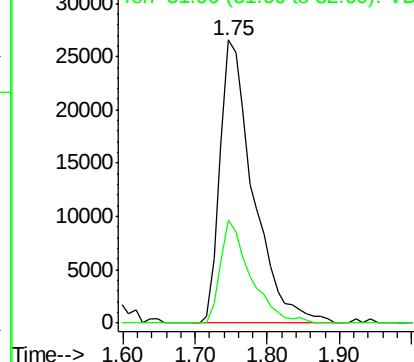
Ion Ratio Lower Upper

50 100

52 36.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 15.841 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.03 min

Lab File: VD061827.D

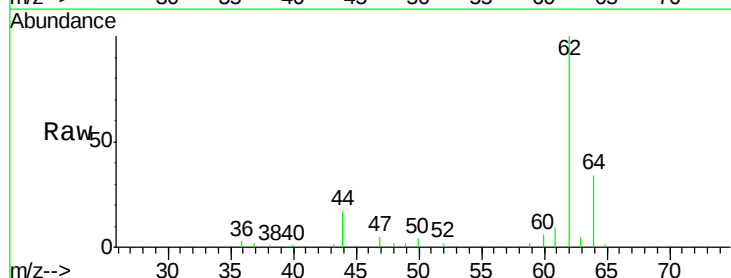
Acq: 17 Apr 2019 1:24

Tgt Ion: 62 Resp: 72332

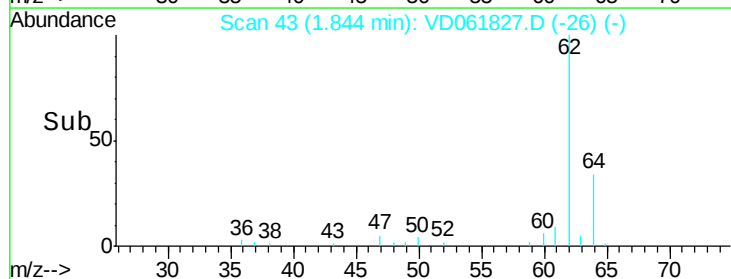
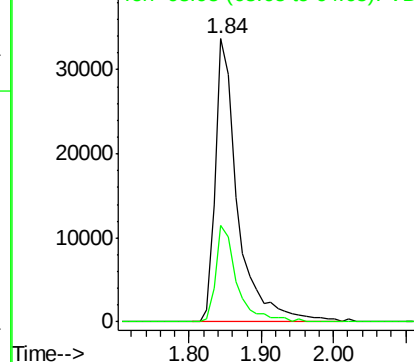
Ion Ratio Lower Upper

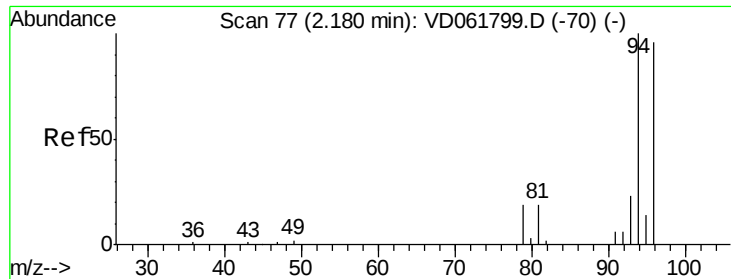
62 100

64 34.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.544 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampled :

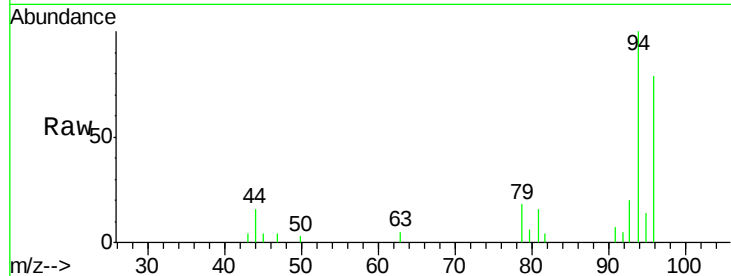
Tot Ion: 94 Resp: 16585

Ion Ratio Lower Upper

94 100

96 79.2 76.6 115.0

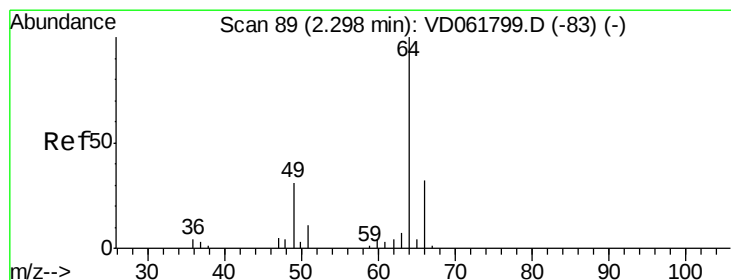
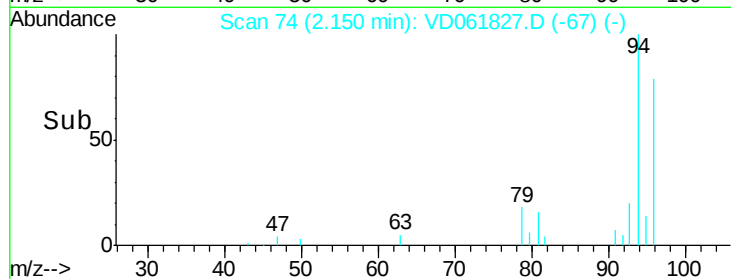
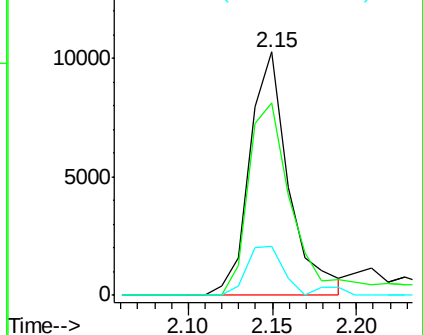
93 20.3 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.570 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.04 min

Lab File: VD061827.D

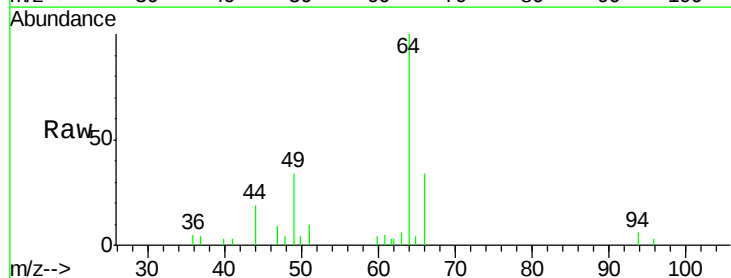
Acq: 17 Apr 2019 1:24

Tgt Ion: 64 Resp: 27369

Ion Ratio Lower Upper

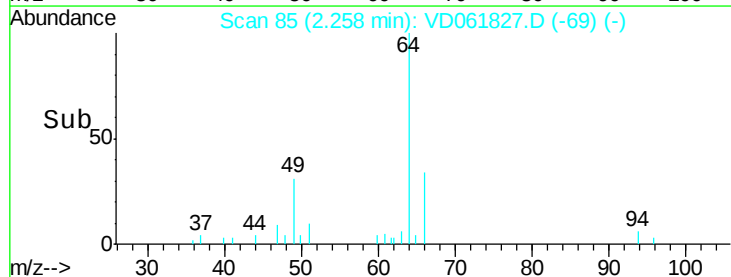
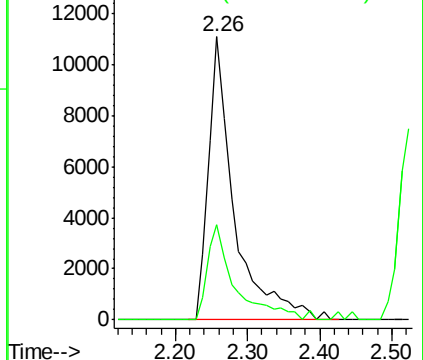
64 100

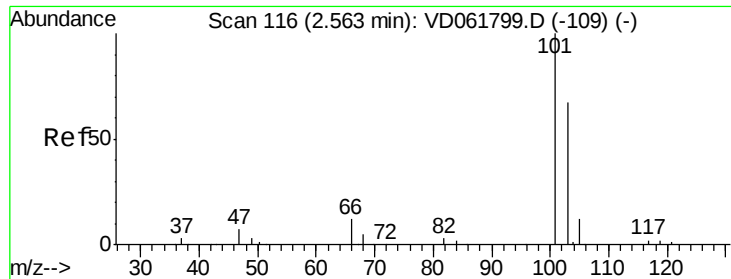
66 33.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



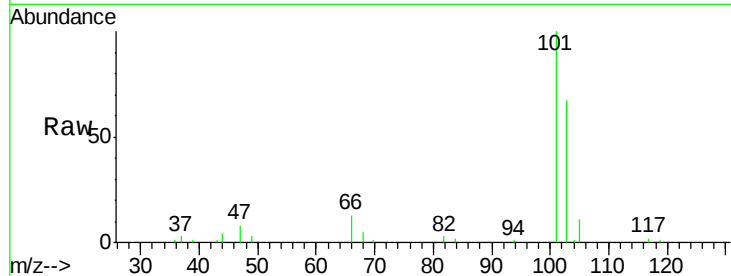


#7

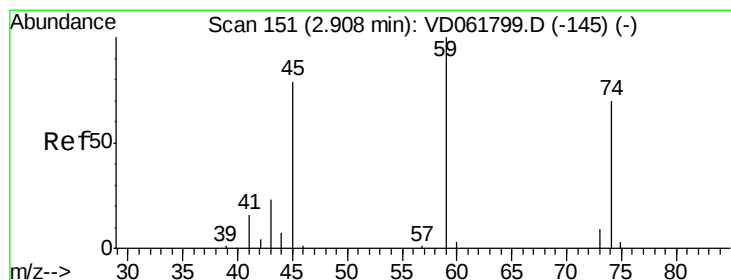
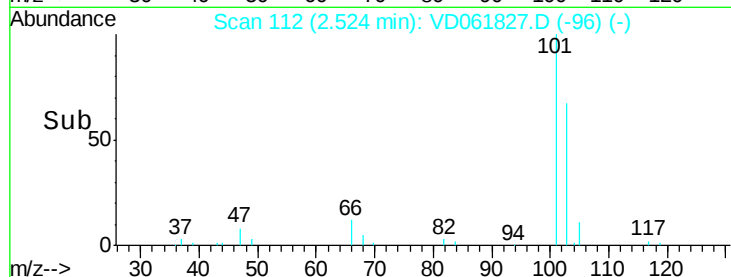
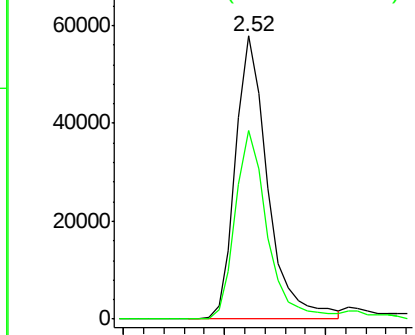
Trichlorofluoromethane
Concen: 17.473 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 129400
Ion Ratio Lower Upper
101 100
103 66.6 53.6 80.4



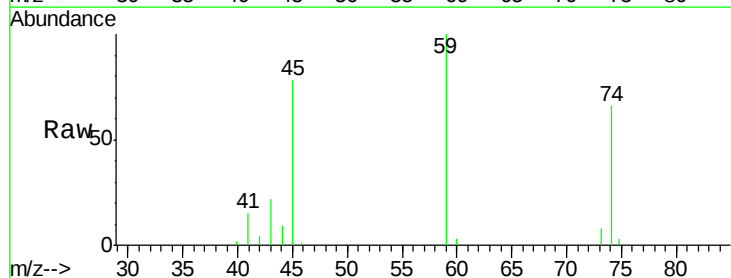
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



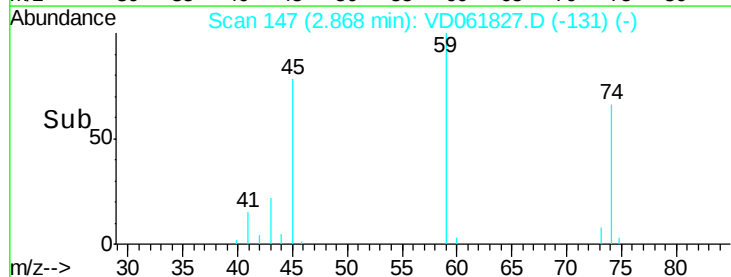
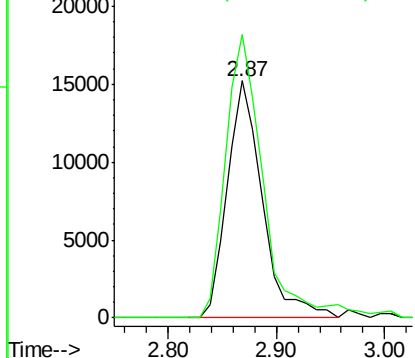
#8

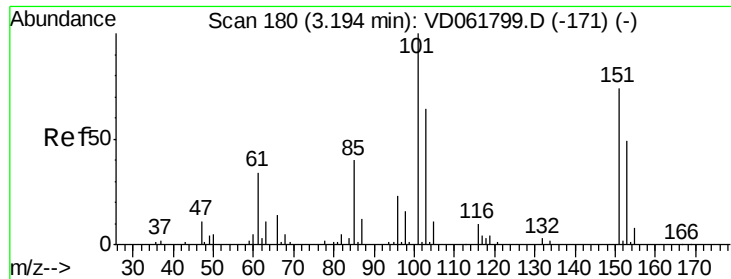
Diethyl Ether
Concen: 17.684 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 74 Resp: 34321
Ion Ratio Lower Upper
74 100
45 119.4 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.663 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

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ClientSampleId :

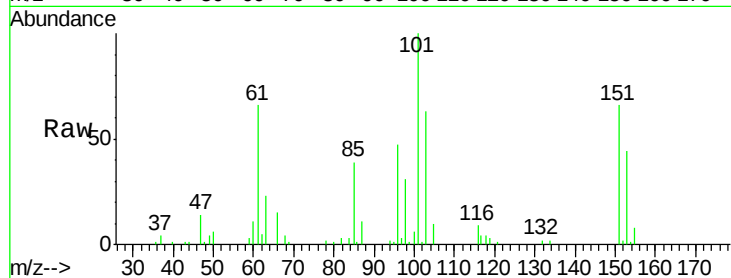
Tot Ion:101 Resp: 123234

Ion Ratio Lower Upper

101 100

85 39.0 32.4 48.6

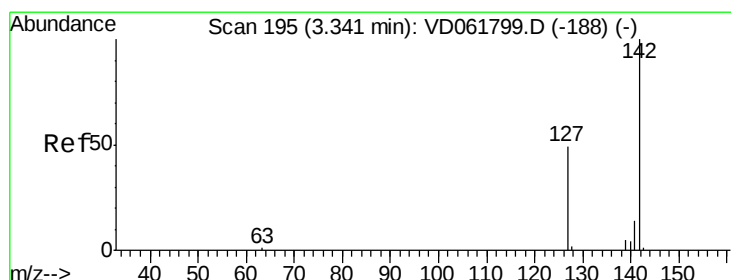
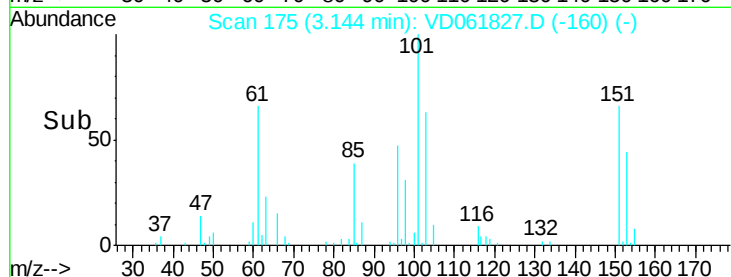
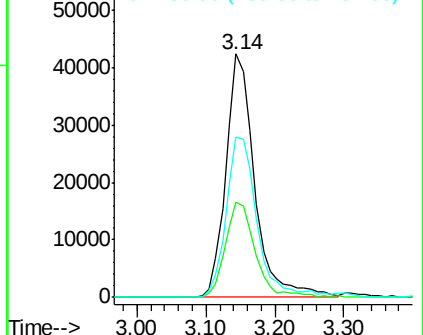
151 66.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.616 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

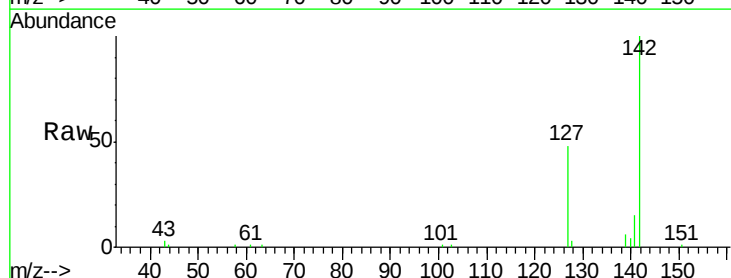
Tgt Ion:142 Resp: 171226

Ion Ratio Lower Upper

142 100

127 47.9 38.8 58.2

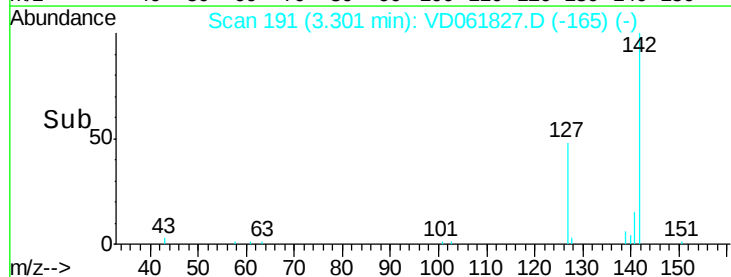
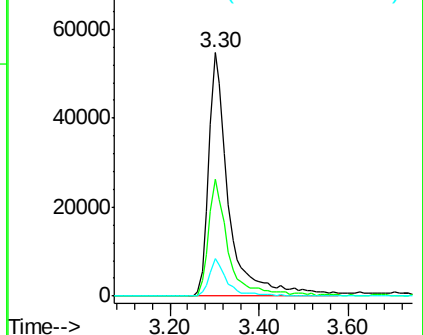
141 15.4 11.4 17.0

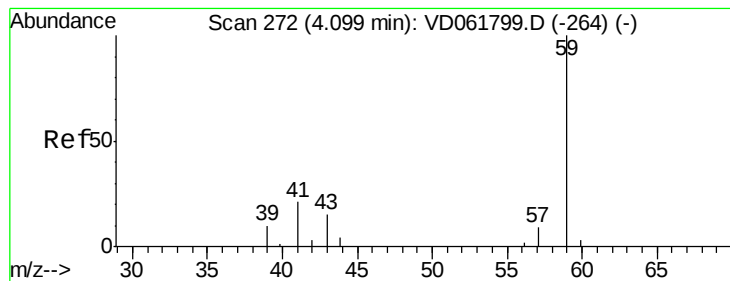


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



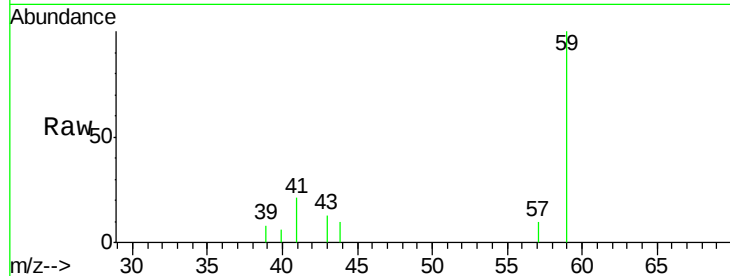


#11

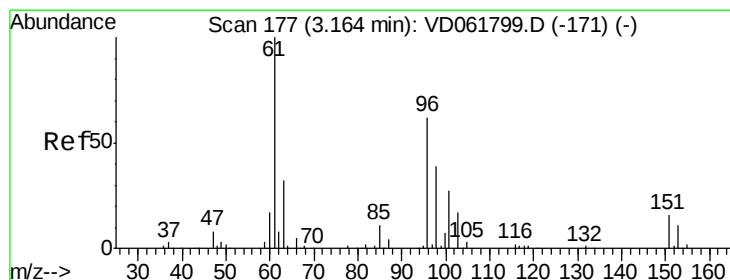
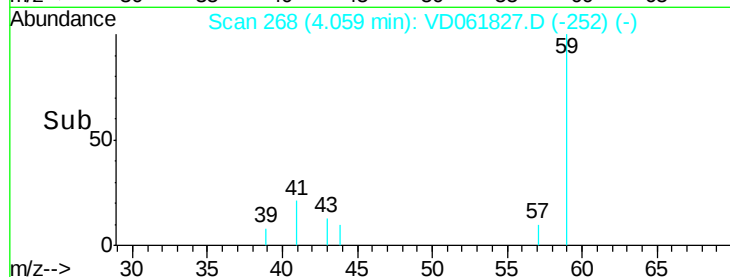
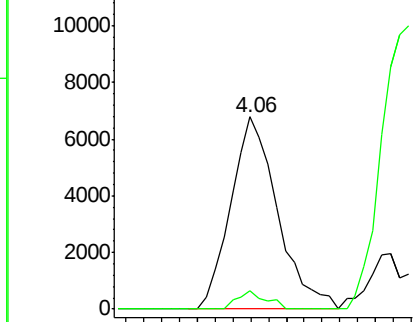
Tert butyl alcohol
 Concen: 84.693 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 24759
 Ion Ratio Lower Upper
 59 100
 57 9.5 6.9 10.3



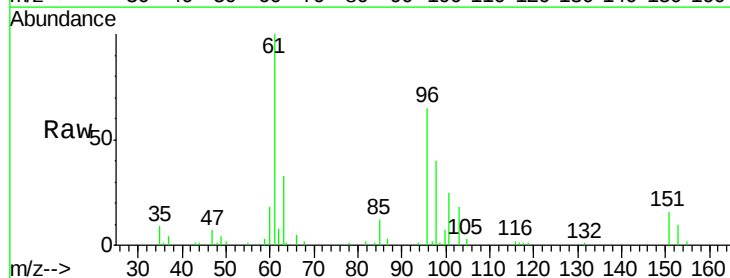
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



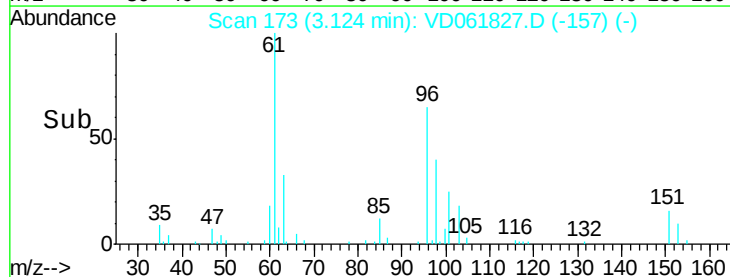
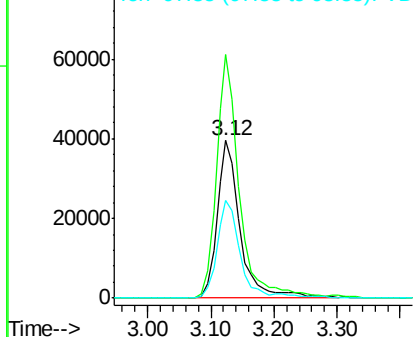
#12

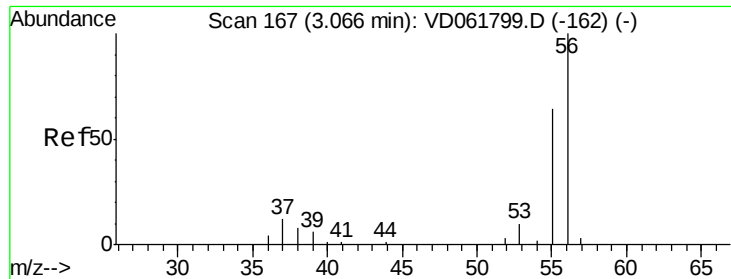
1,1-Dichloroethene
 Concen: 18.075 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion: 96 Resp: 100341
 Ion Ratio Lower Upper
 96 100
 61 154.5 129.8 194.8
 98 62.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 93.365 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

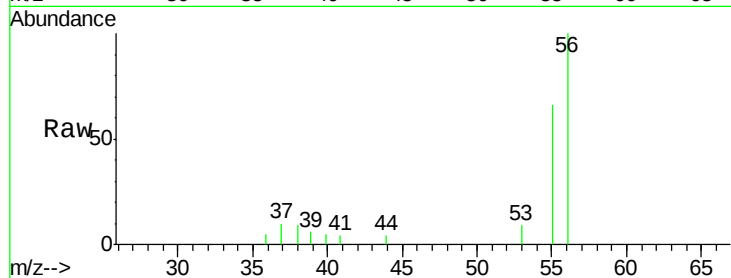
ClientSampleId :

Tot Ion: 56 Resp: 26423

Ion Ratio Lower Upper

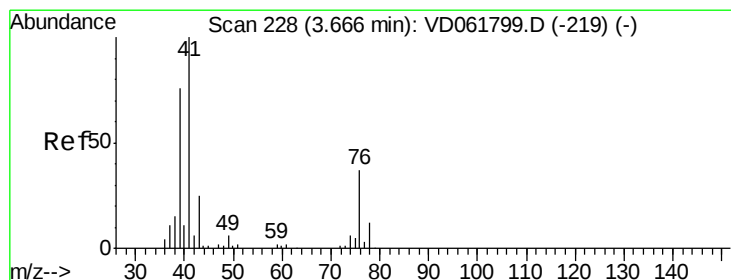
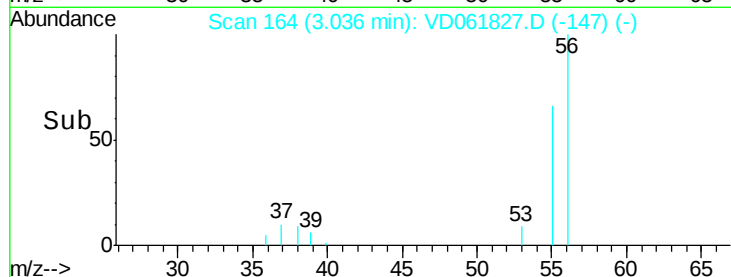
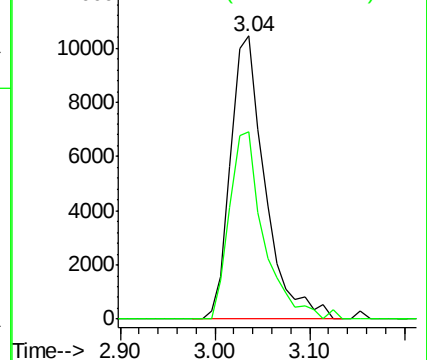
56 100

55 66.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.643 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

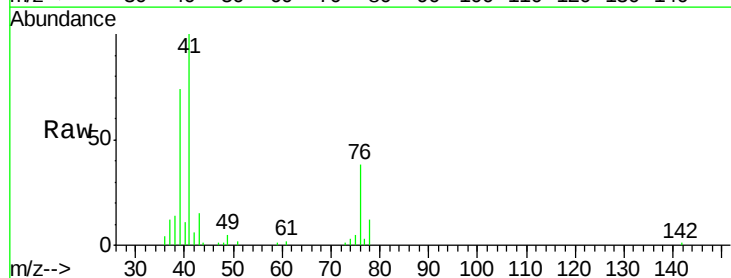
Tgt Ion: 41 Resp: 141062

Ion Ratio Lower Upper

41 100

39 73.9 60.5 90.7

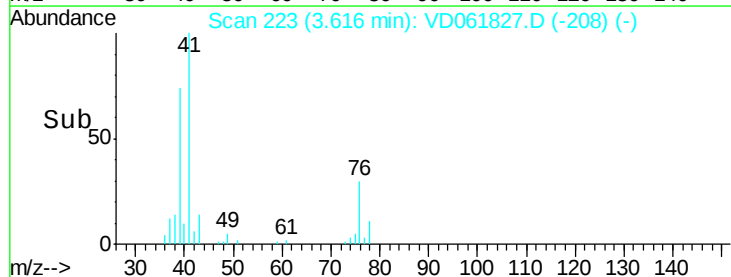
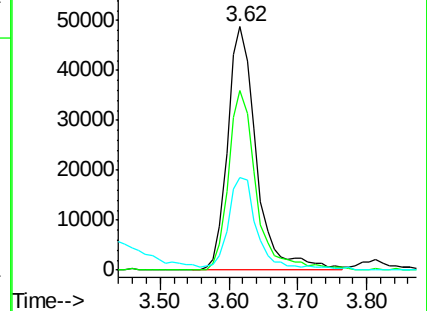
76 38.2 31.8 47.8

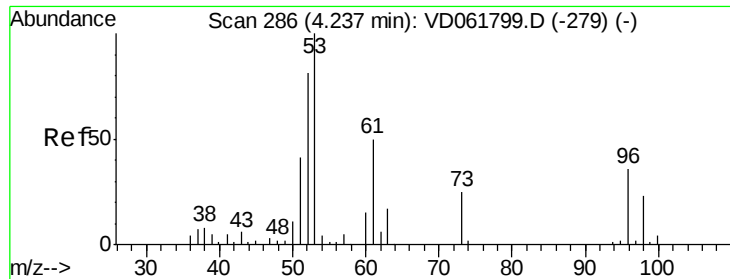


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.854 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampled :

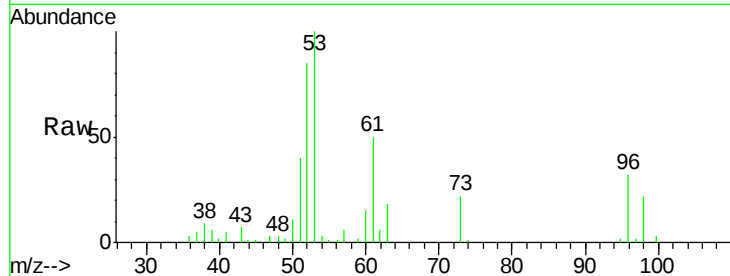
Tot Ion: 53 Resp: 88889

Ion Ratio Lower Upper

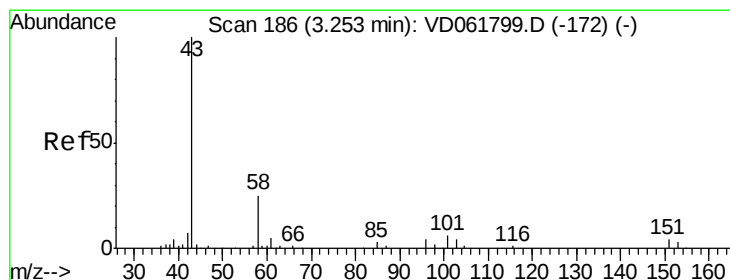
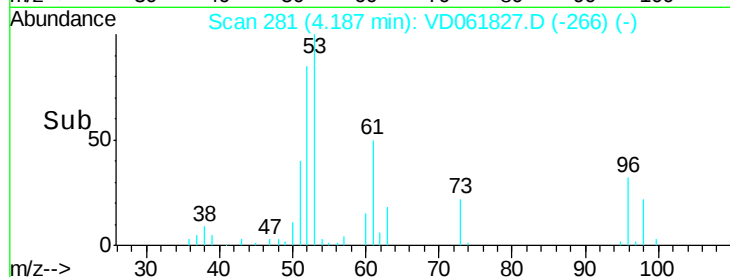
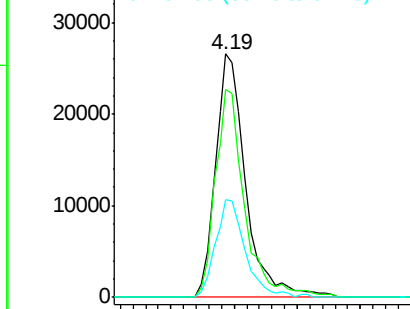
53 100

52 85.2 65.0 97.4

51 40.3 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 79.770 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061827.D

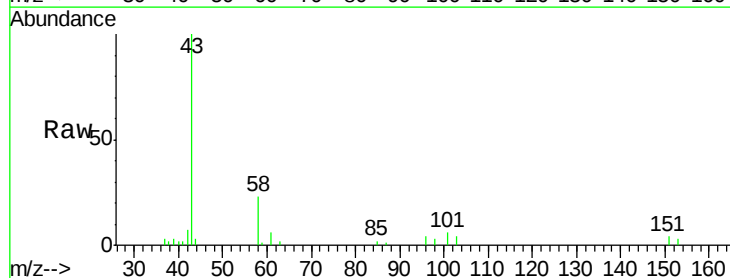
Acq: 17 Apr 2019 1:24

Tgt Ion: 43 Resp: 97460

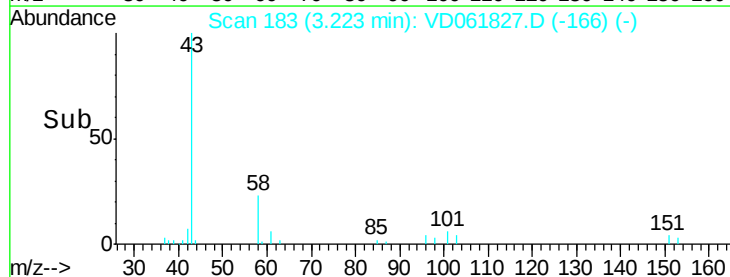
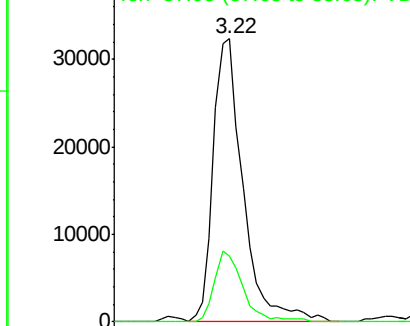
Ion Ratio Lower Upper

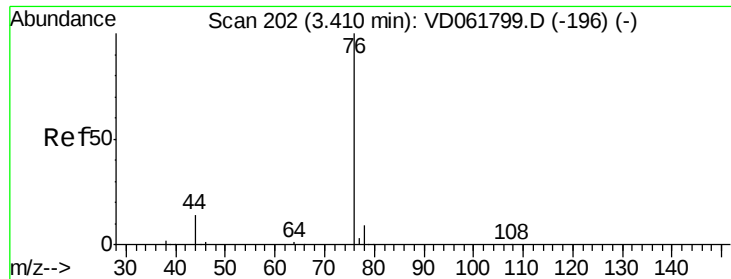
43 100

58 23.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

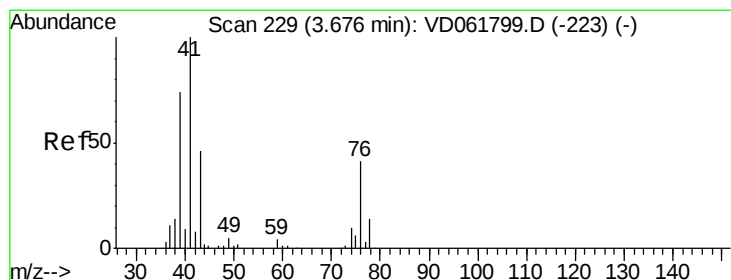
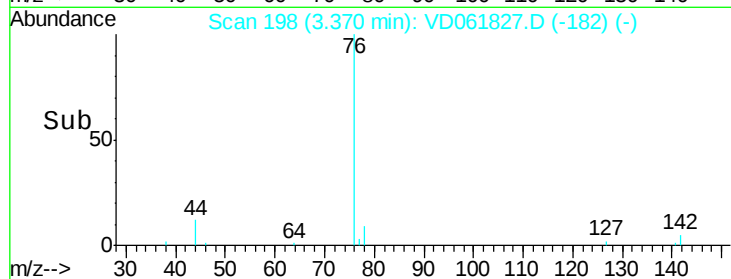
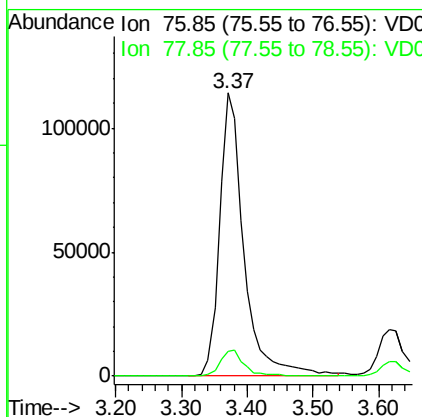
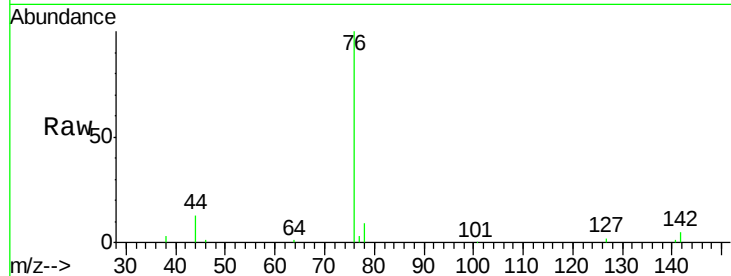




#17
Carbon Disulfide
Concen: 16.412 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

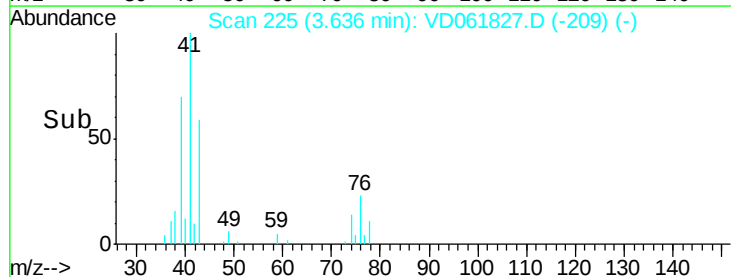
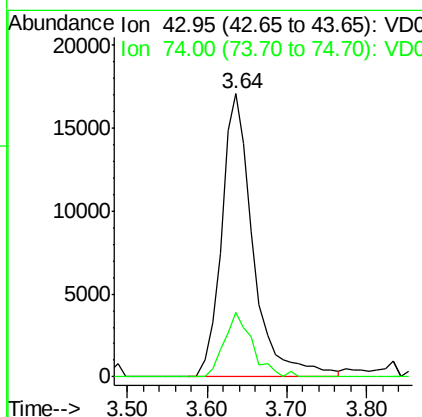
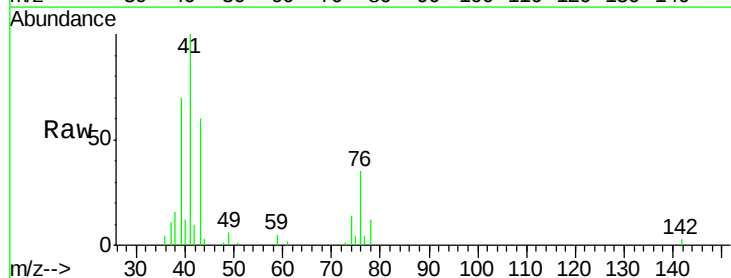
Instrument :
MSVOA_D
ClientSampleId :

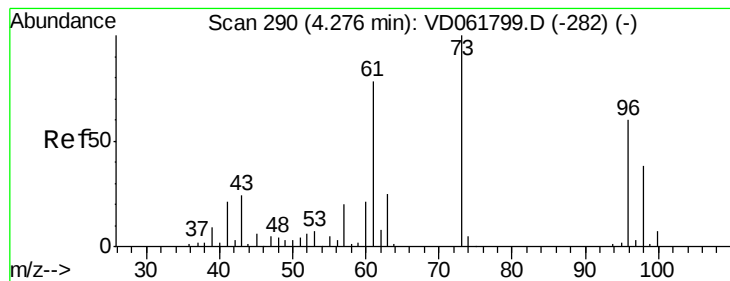
Tot Ion: 76 Resp: 294365
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 19.283 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 43 Resp: 47220
Ion Ratio Lower Upper
43 100
74 22.9 18.0 27.0



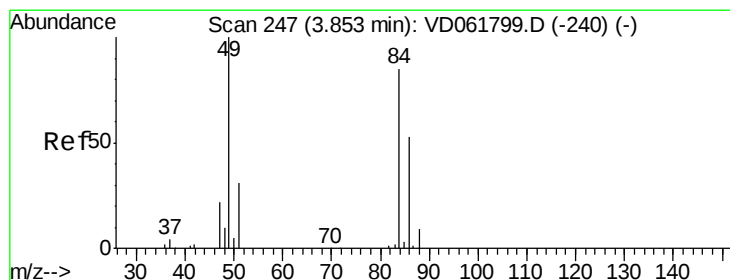
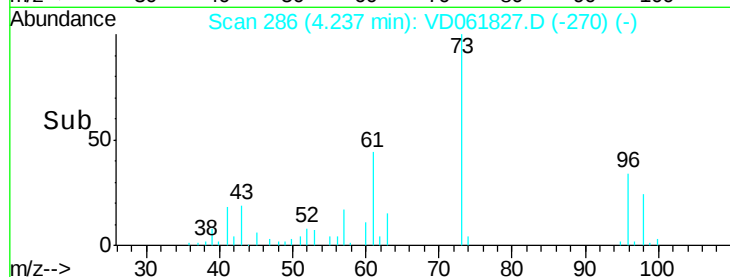
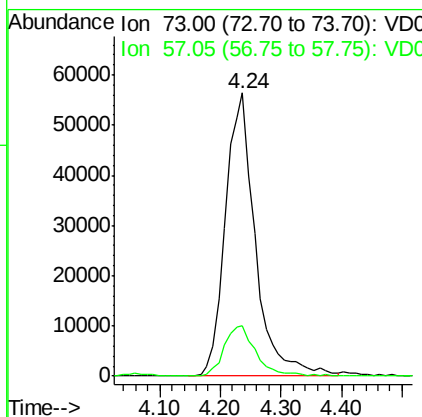
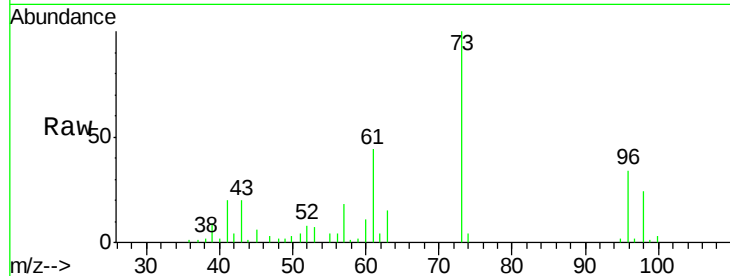


#19

Methyl tert-butyl Ether
 Concen: 18.735 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampleId :

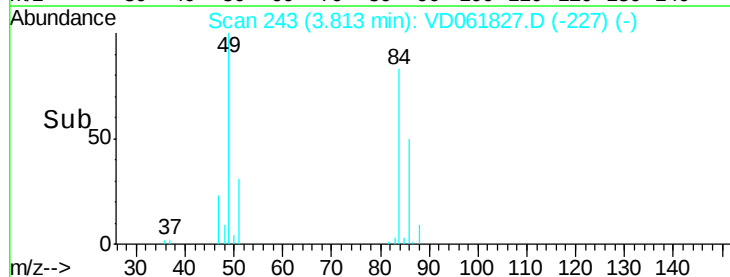
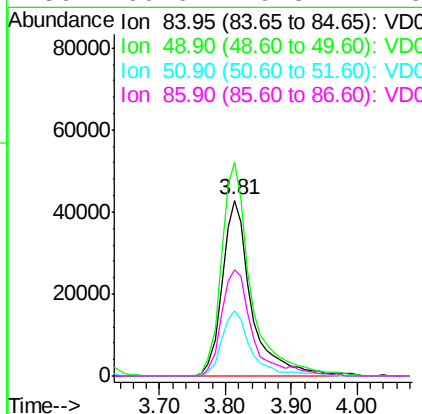
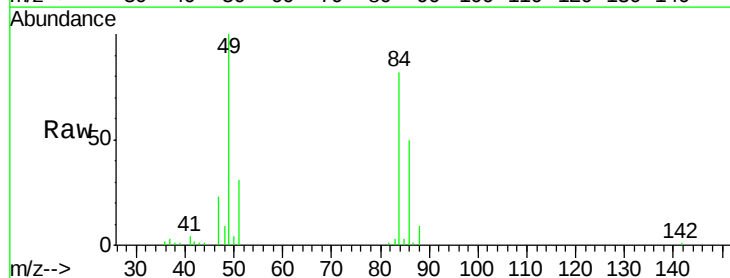
Tot Ion: 73 Resp: 194089
 Ion Ratio Lower Upper
 73 100
 57 17.7 16.3 24.5

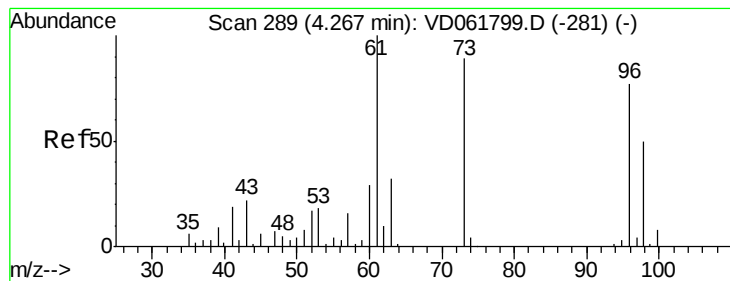


#20

Methylene Chloride
 Concen: 18.969 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion: 84 Resp: 132489
 Ion Ratio Lower Upper
 84 100
 49 121.8 94.0 141.0
 51 37.3 29.0 43.4
 86 60.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.601 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

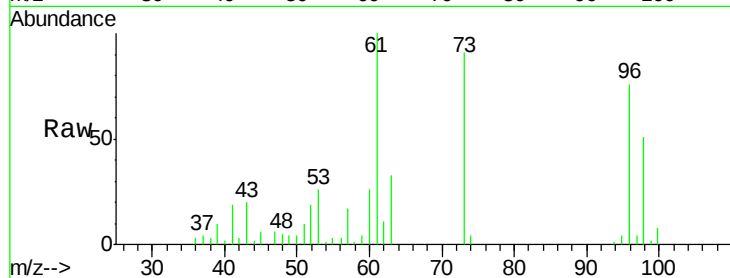
Tot Ion: 96 Resp: 113480

Ion Ratio Lower Upper

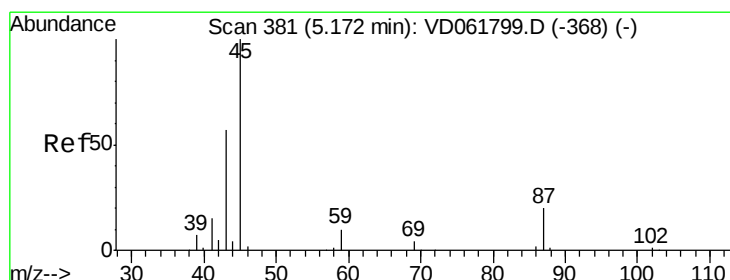
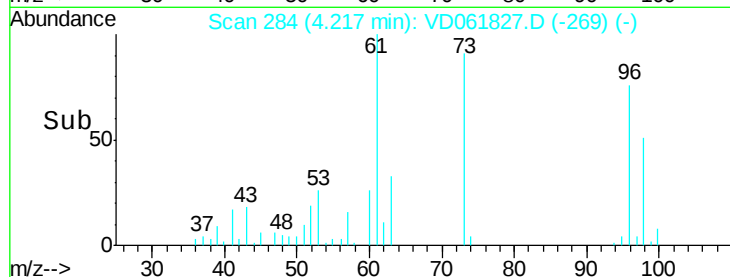
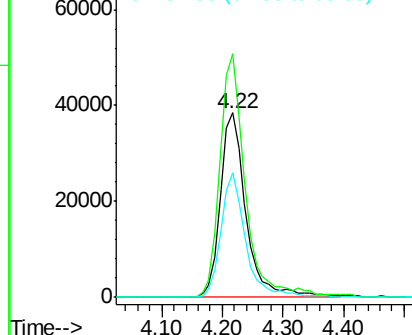
96 100

61 132.0 104.4 156.6

98 67.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.175 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.06 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Tgt Ion: 45 Resp: 293964

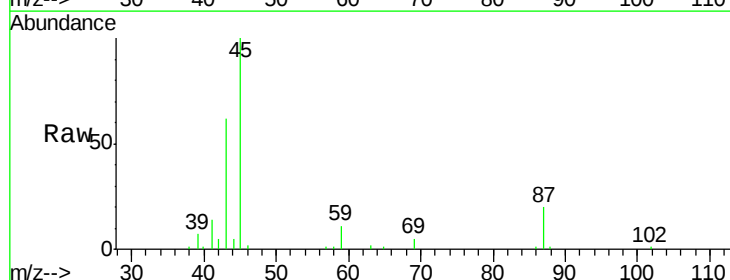
Ion Ratio Lower Upper

45 100

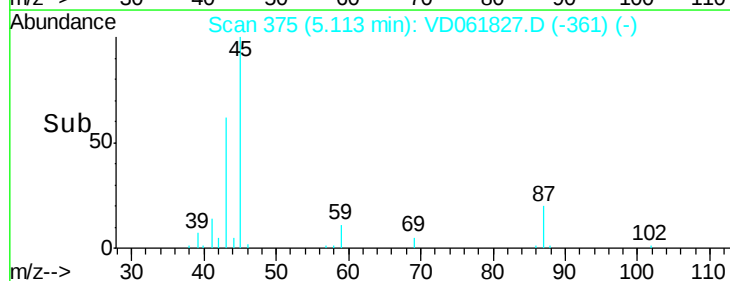
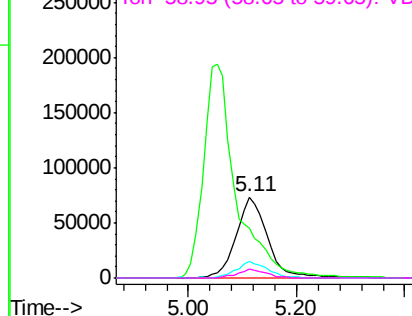
43 62.2 46.2 69.2

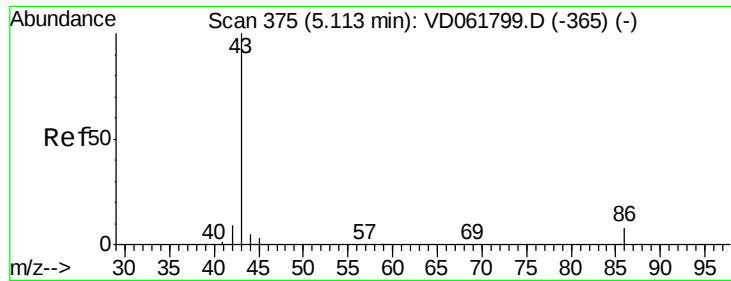
87 20.2 15.9 23.9

59 11.2 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 93.644 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.06 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

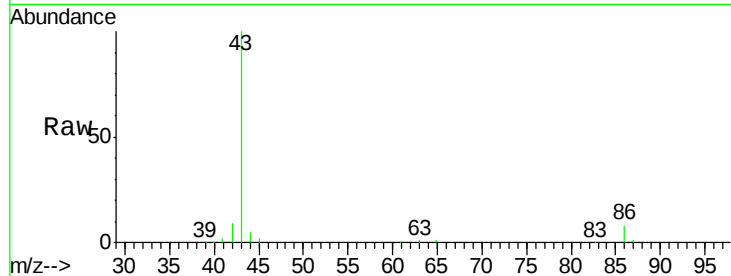
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 809669

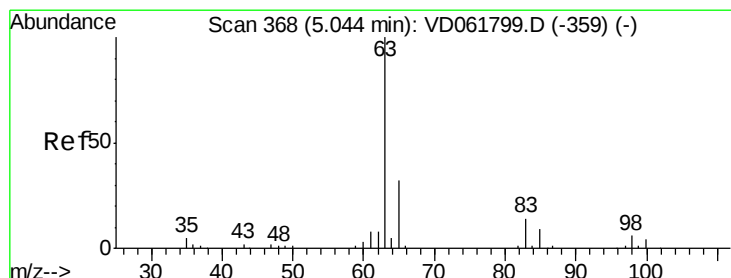
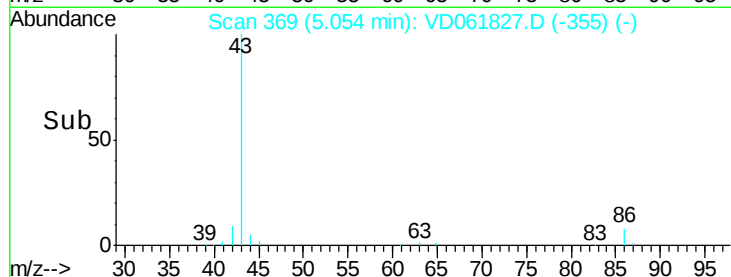
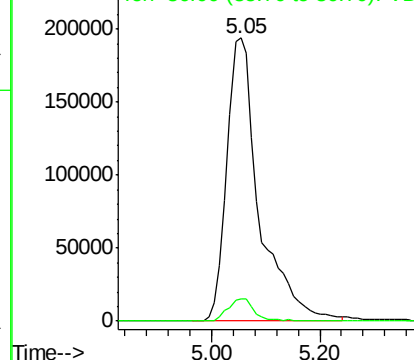
Ion Ratio Lower Upper

43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.353 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.06 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

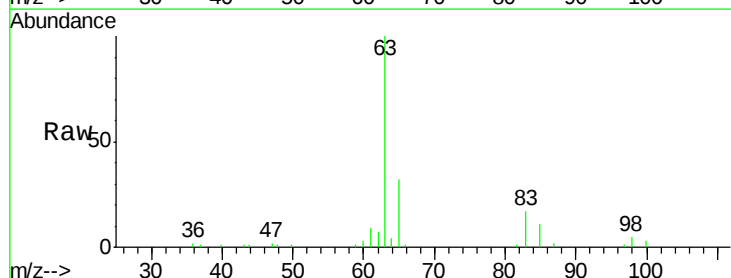
Tgt Ion: 63 Resp: 179975

Ion Ratio Lower Upper

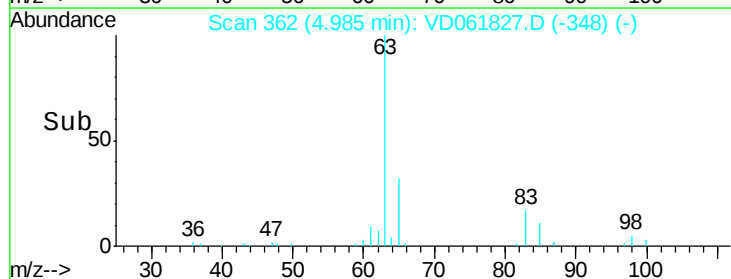
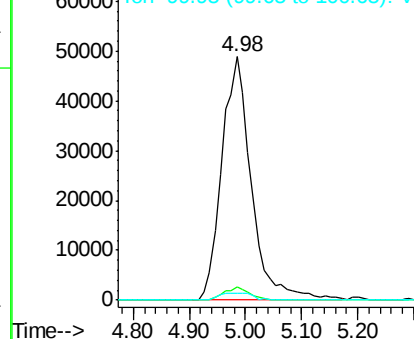
63 100

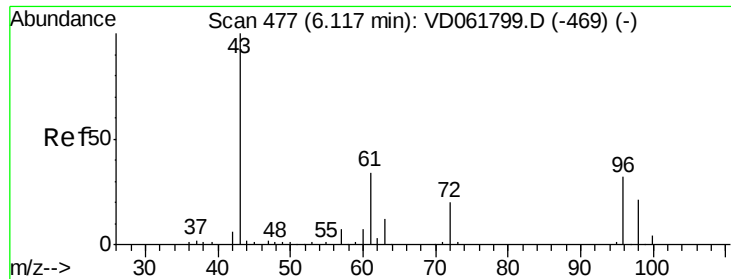
98 5.4 2.8 8.4

100 3.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 86.494 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.06 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

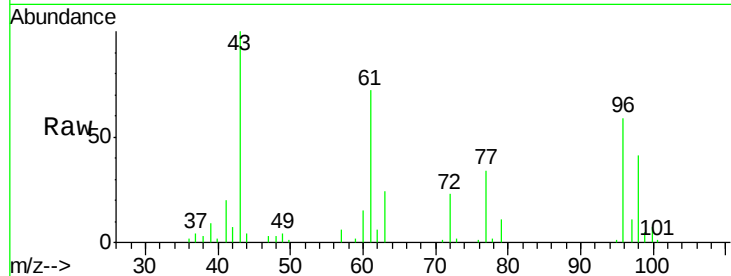
ClientSampleId :

Tot Ion: 43 Resp: 120308

Ion Ratio Lower Upper

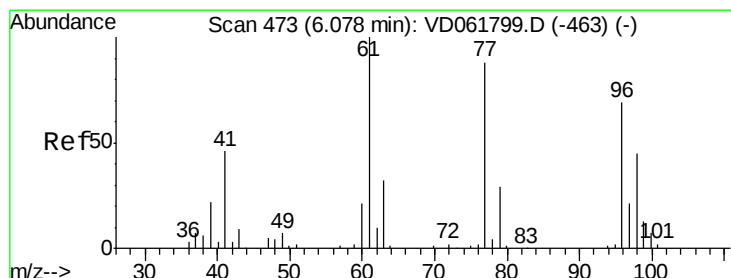
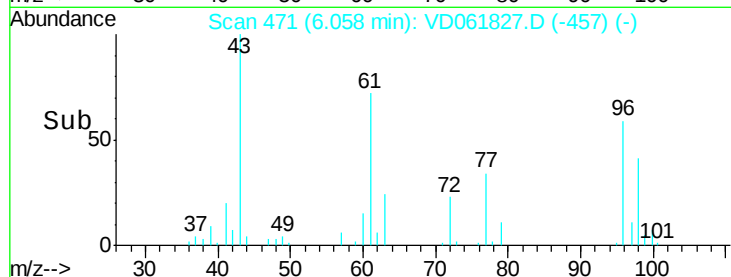
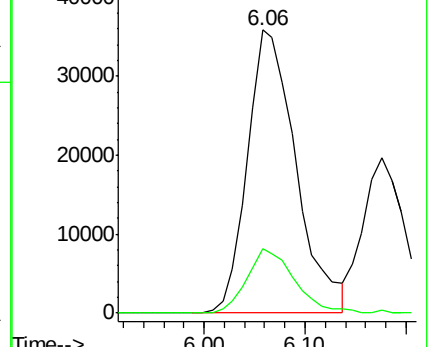
43 100

72 22.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 16.866 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.05 min

Lab File: VD061827.D

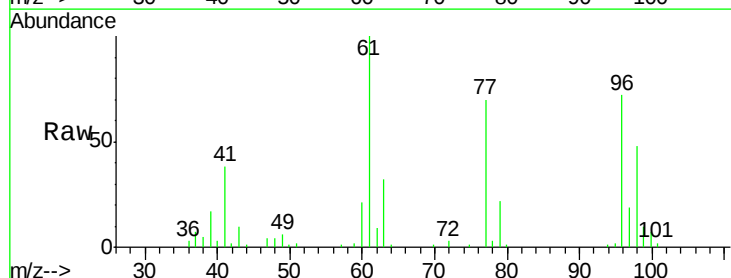
Acq: 17 Apr 2019 1:24

Tgt Ion: 77 Resp: 142960

Ion Ratio Lower Upper

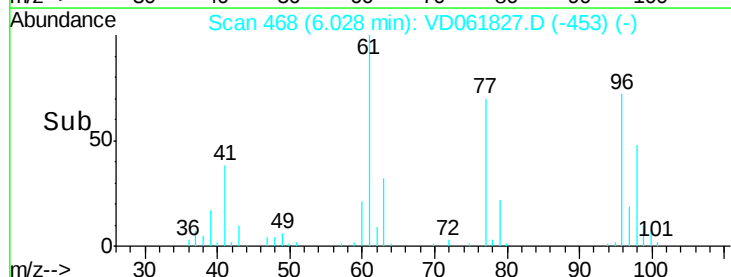
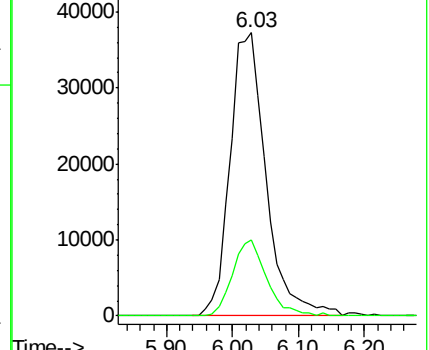
77 100

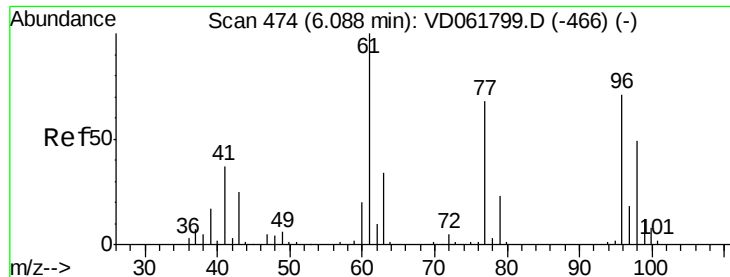
97 26.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.477 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampled :

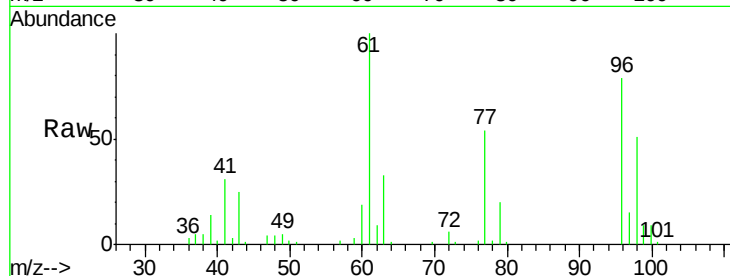
Tot Ion: 96 Resp: 128810

Ion Ratio Lower Upper

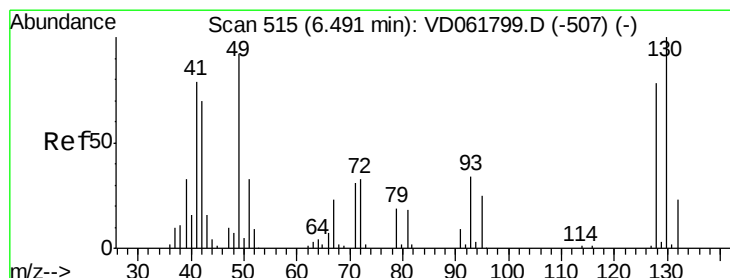
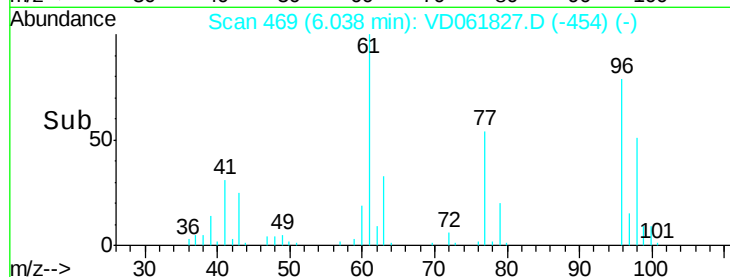
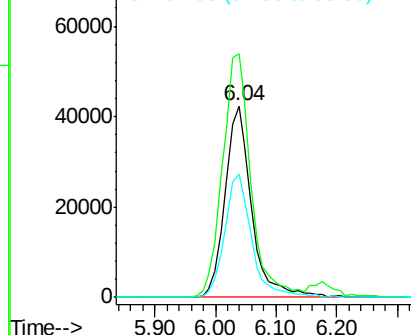
96 100

61 127.3 0.0 279.8

98 64.3 0.0 136.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 19.674 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.06 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

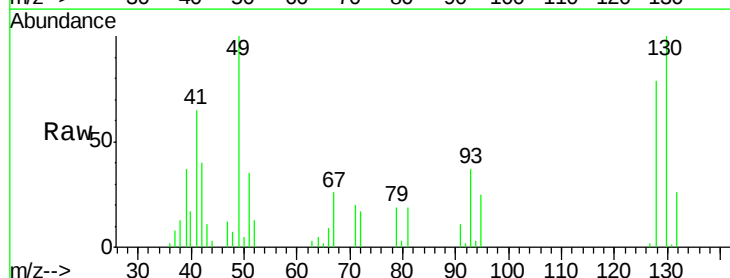
Tgt Ion: 49 Resp: 73282

Ion Ratio Lower Upper

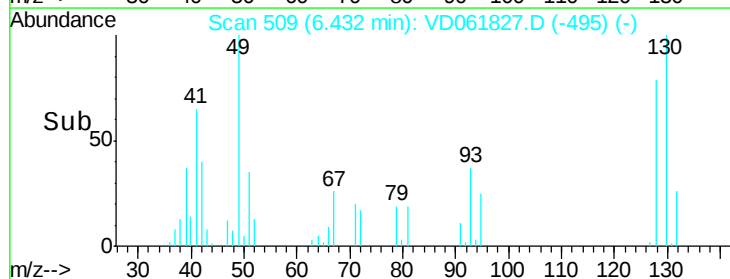
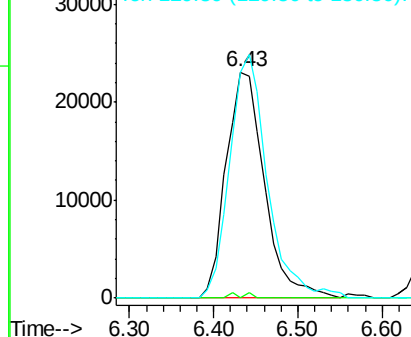
49 100

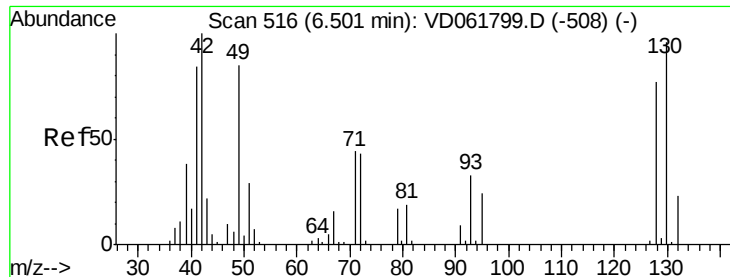
129 0.0 0.0 6.6

130 100.1 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

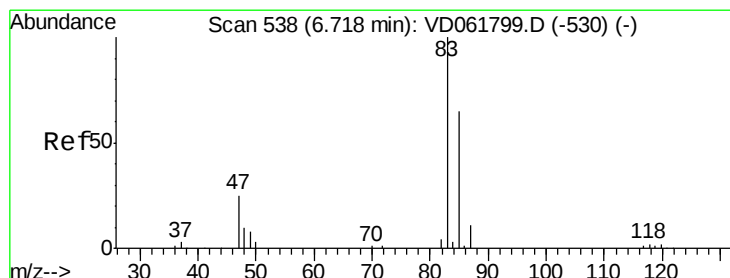
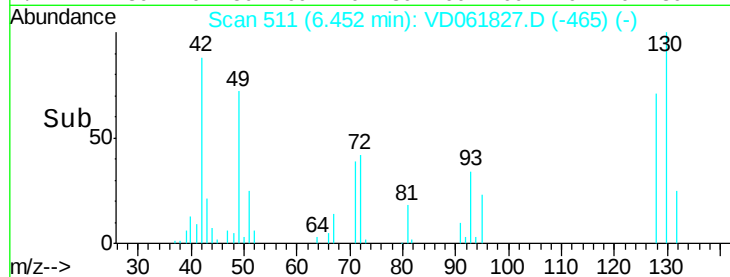
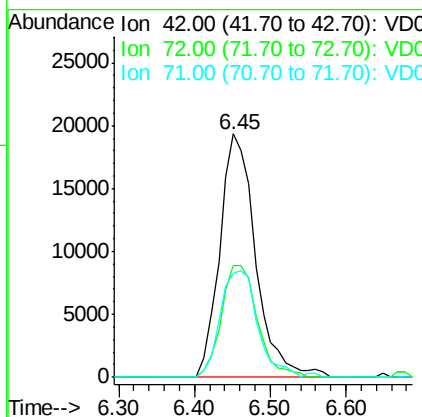
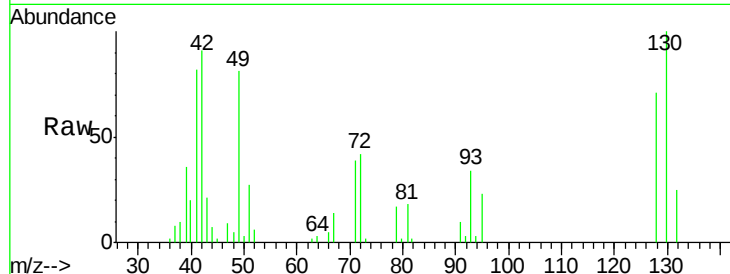




#29
Tetrahydrofuran
Concen: 93.527 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.05 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

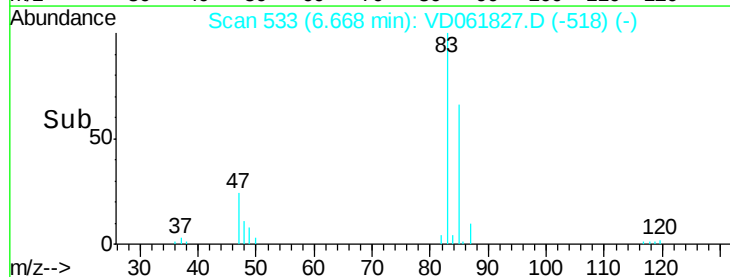
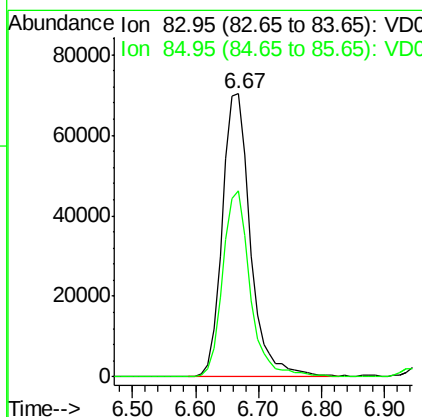
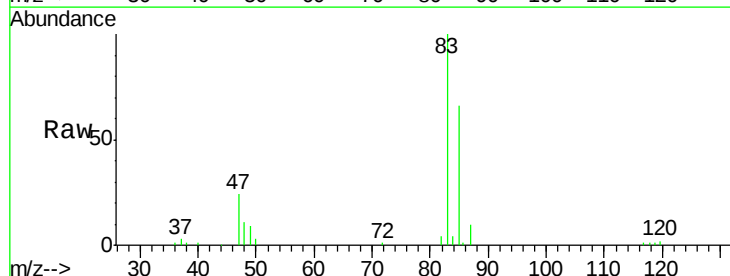
Instrument :
MSVOA_D
ClientSampleId :

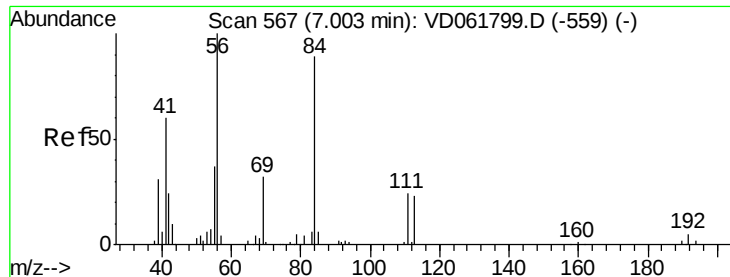
Tot Ion: 42 Resp: 63369
Ion Ratio Lower Upper
42 100
72 46.4 37.8 56.6
71 45.6 36.7 55.1



#30
Chloroform
Concen: 19.948 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.05 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 83 Resp: 218192
Ion Ratio Lower Upper
83 100
85 66.0 51.7 77.5

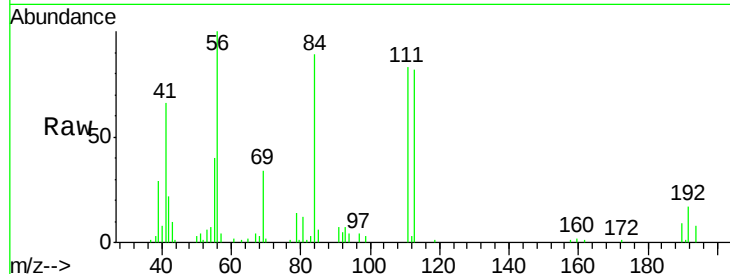




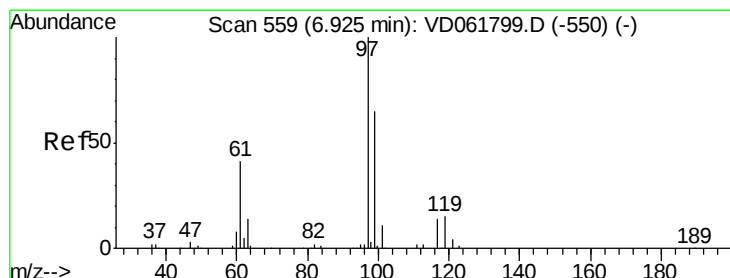
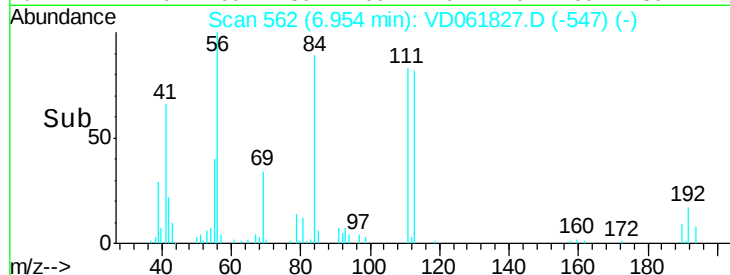
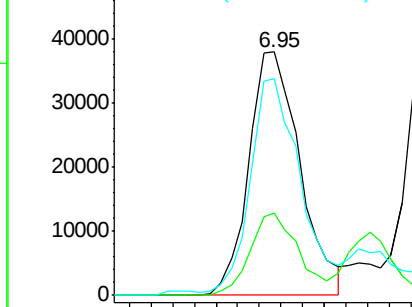
#31
Cvclohexane
Concen: 16.662 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.05 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 125087
Ion Ratio Lower Upper
56 100
69 33.9 25.8 38.6
84 89.1 72.2 108.4

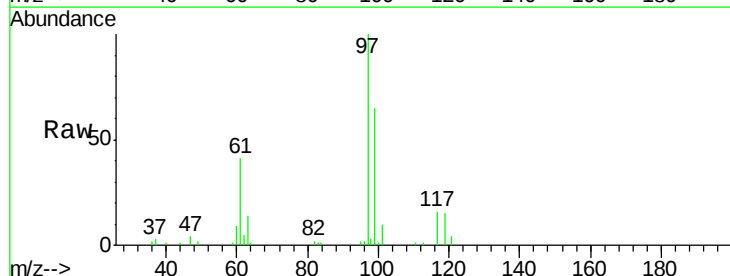


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

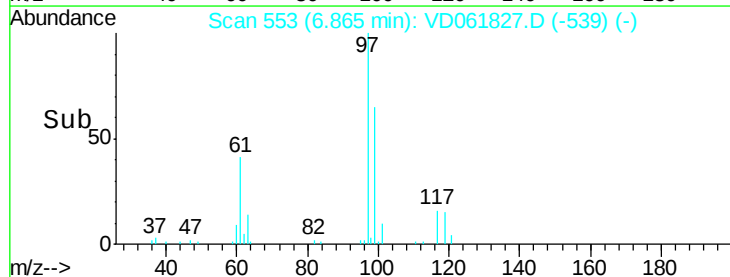
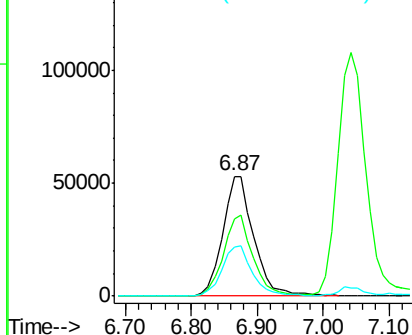


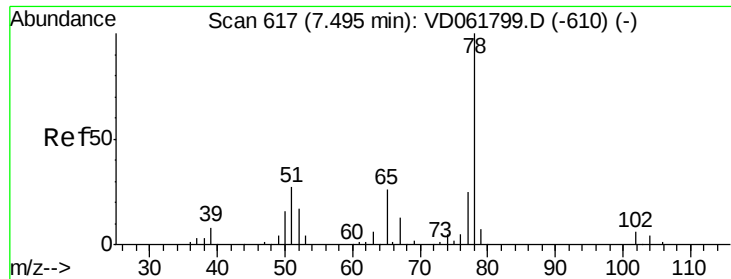
#32
1,1,1-Trichloroethane
Concen: 17.949 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.06 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 97 Resp: 174037
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 41.1 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

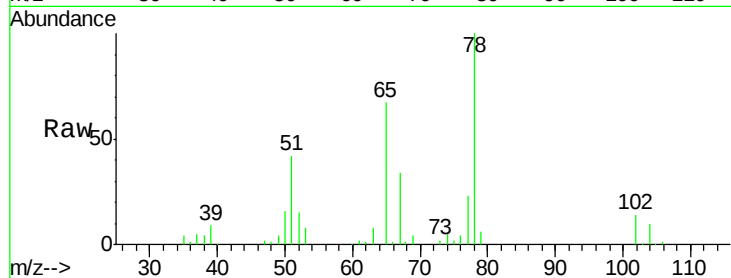




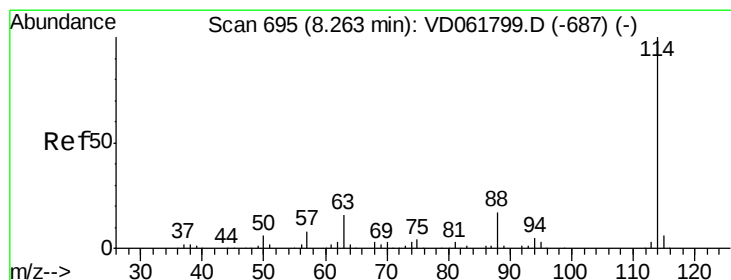
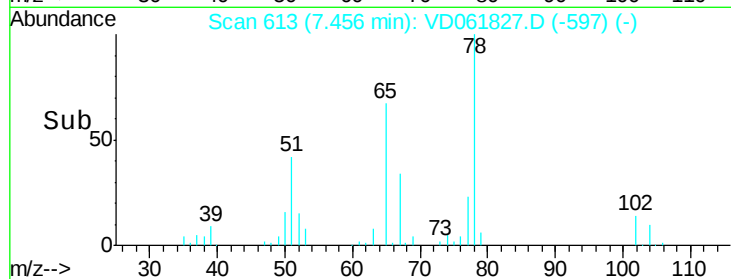
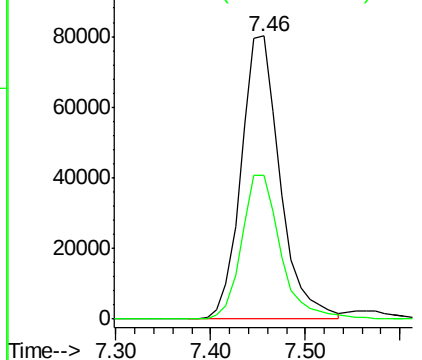
#33
 1,2-Dichloroethane-d4
 Concen: 17.949 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 228907
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 98.0

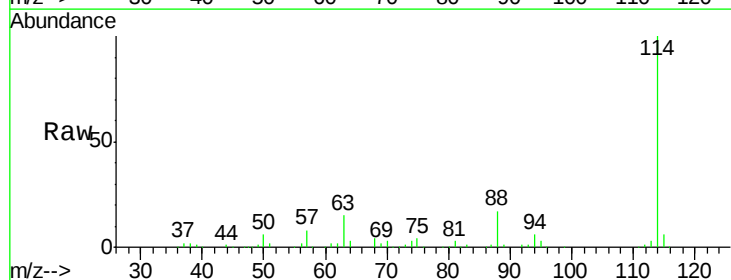


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

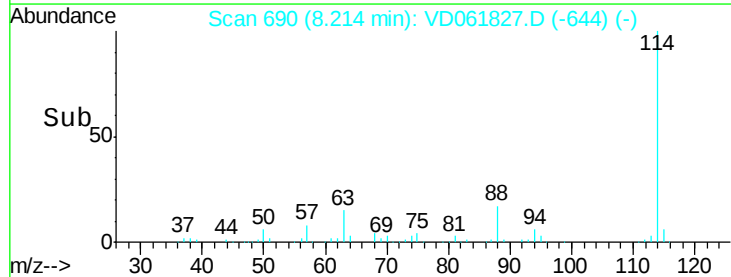
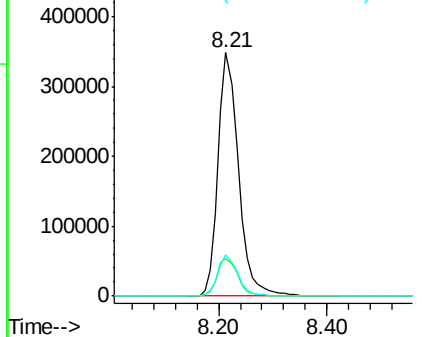


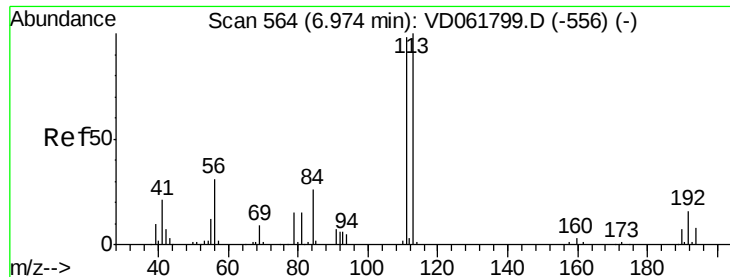
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.05 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion: 114 Resp: 913949
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 32.4
 88 17.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

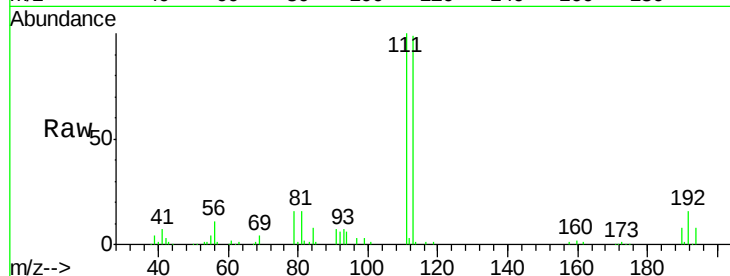
Tot Ion:113 Resp: 327052

Ion Ratio Lower Upper

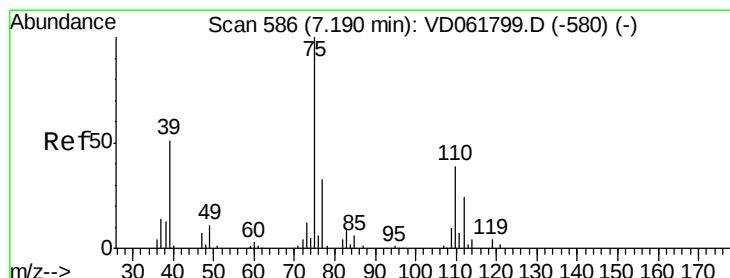
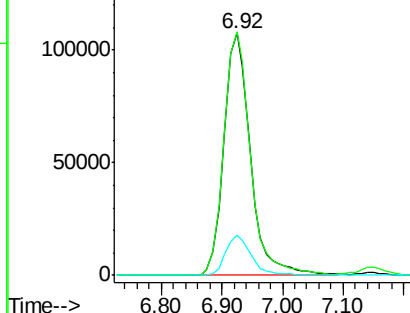
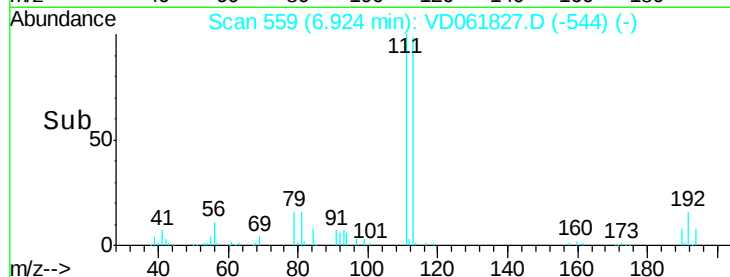
113 100

111 100.5 78.5 117.7

192 16.6 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.935 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

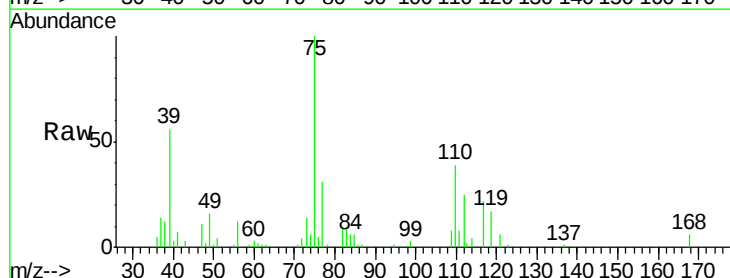
Tgt Ion: 75 Resp: 148883

Ion Ratio Lower Upper

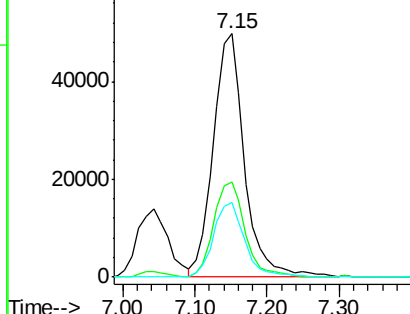
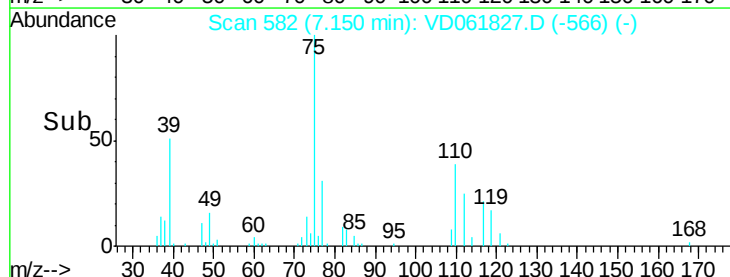
75 100

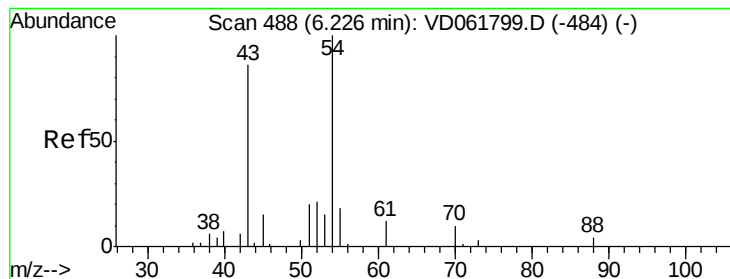
110 39.1 19.1 57.1

77 30.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 19.704 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

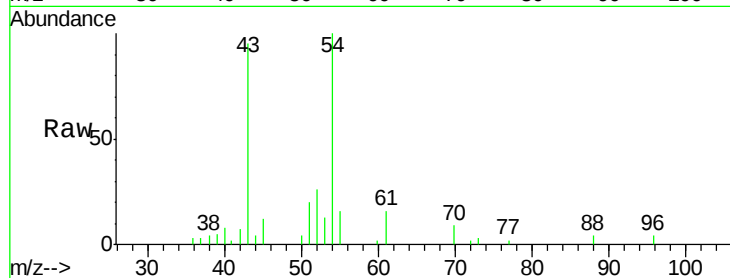
Tot Ion: 43 Resp: 62982

Ion Ratio Lower Upper

43 100

61 17.2 14.7 22.1

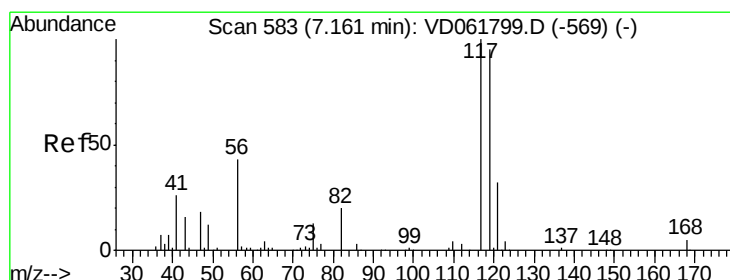
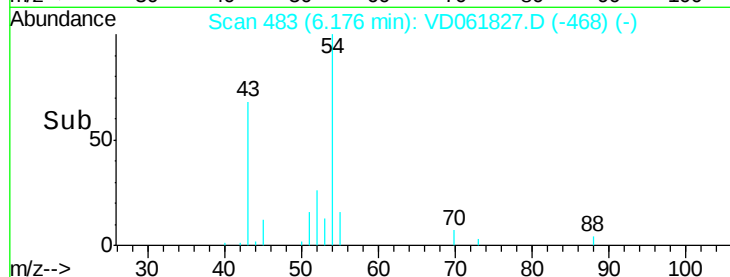
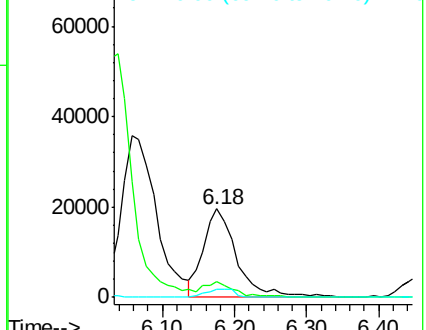
70 9.8 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.156 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.05 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

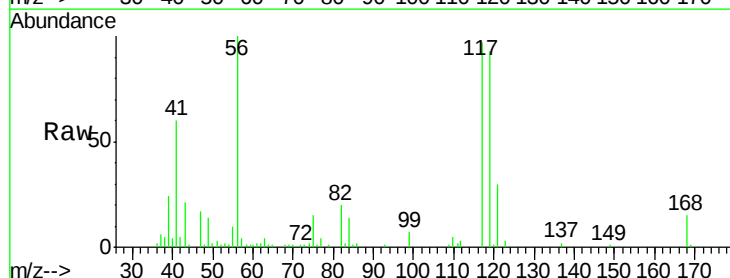
Tgt Ion: 117 Resp: 180654

Ion Ratio Lower Upper

117 100

119 95.8 75.8 113.8

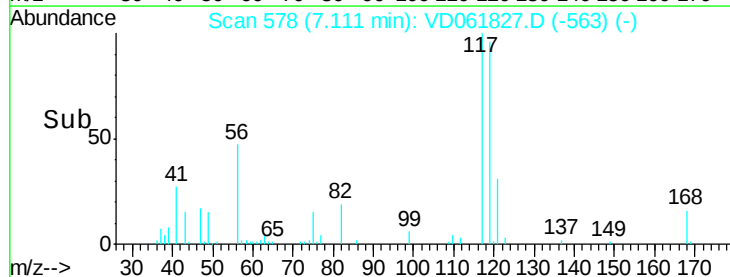
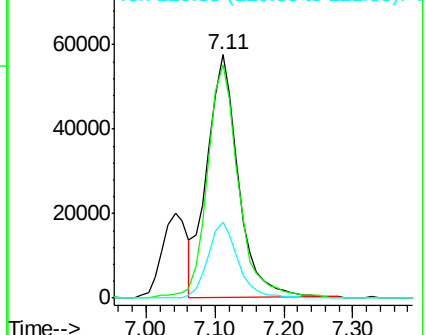
121 31.1 25.9 38.9

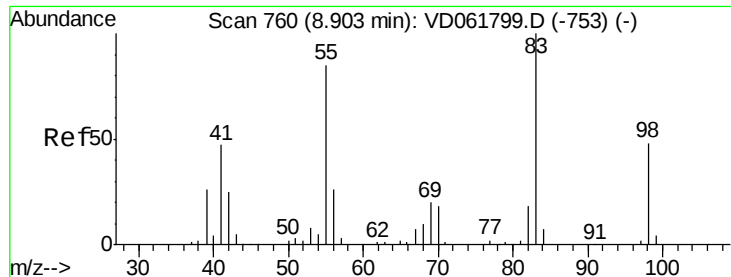


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

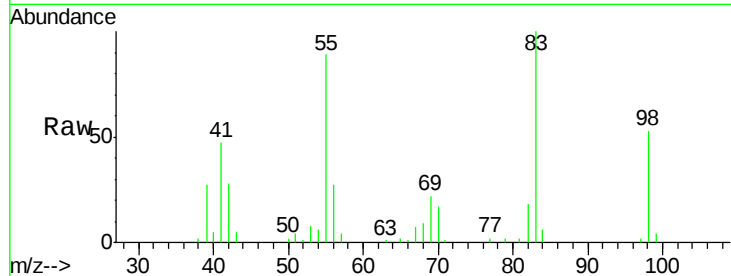




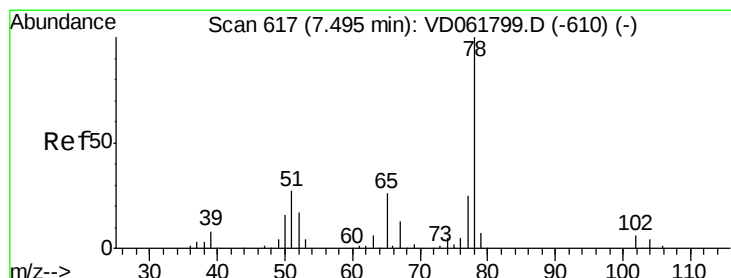
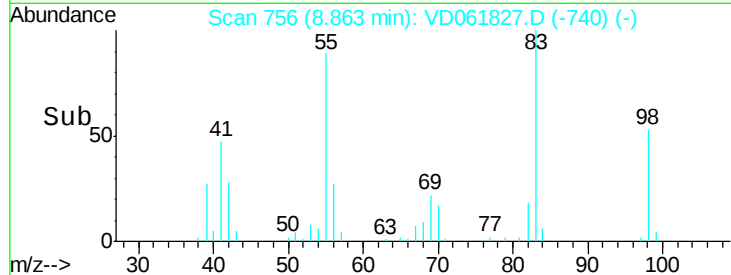
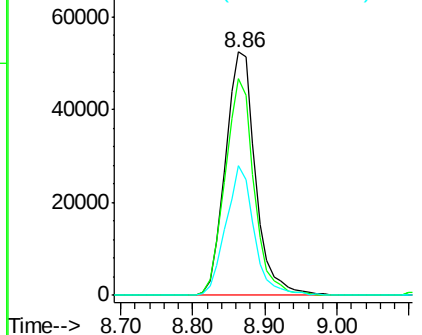
#39
Methvlcvclohexane
Concen: 19.633 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 152261
Ion Ratio Lower Upper
83 100
55 88.8 68.2 102.4
98 53.3 38.2 57.4

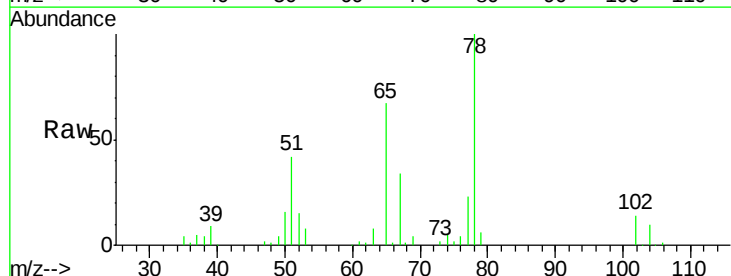


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

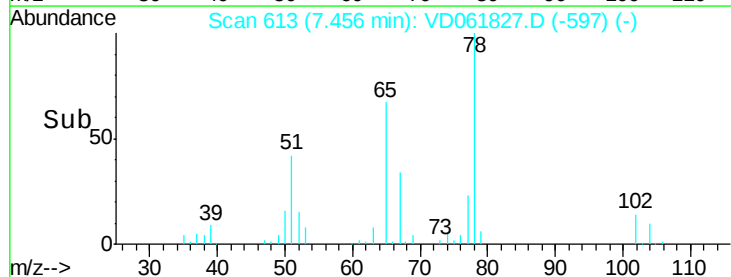
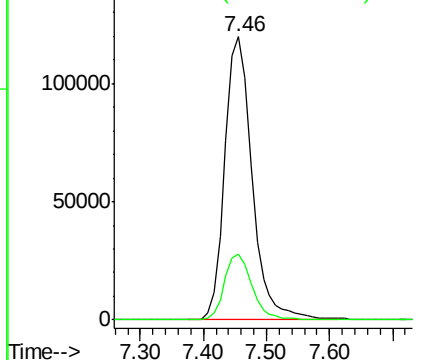


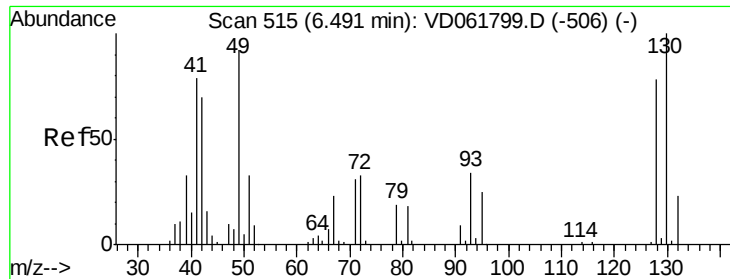
#40
Benzene
Concen: 20.137 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 78 Resp: 361059
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

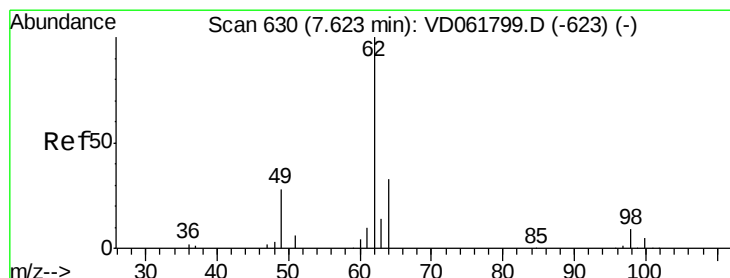
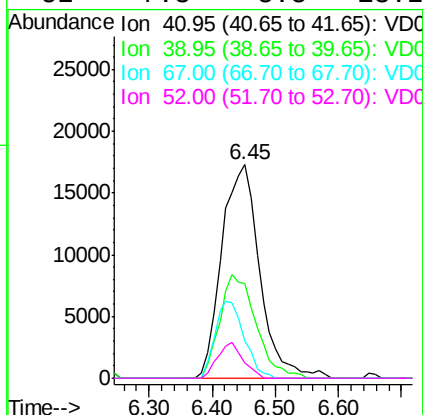
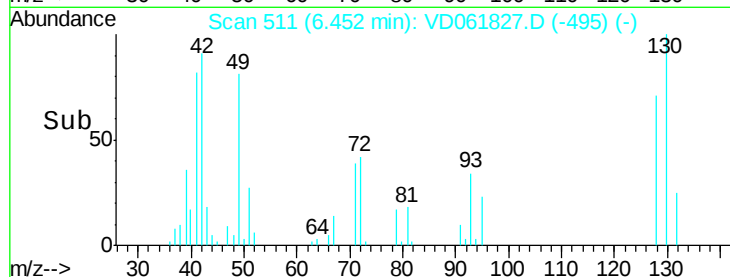
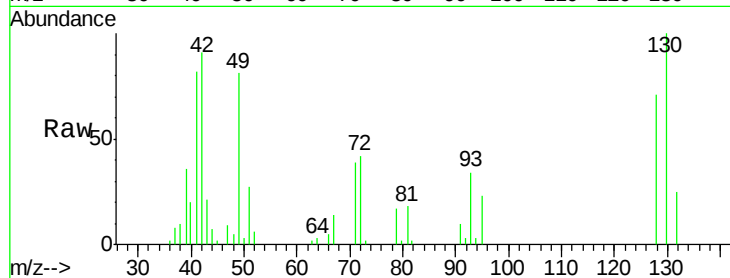




#41
Methacrylonitrile
Concen: 19.082 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

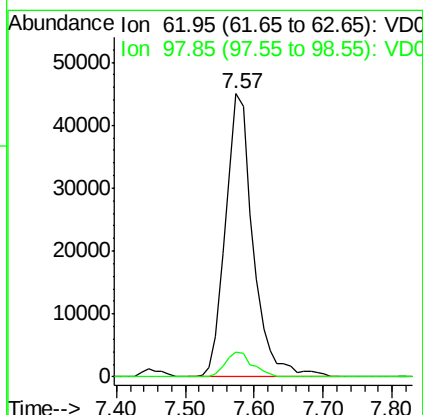
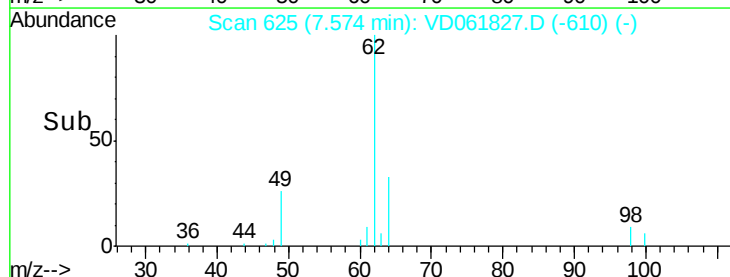
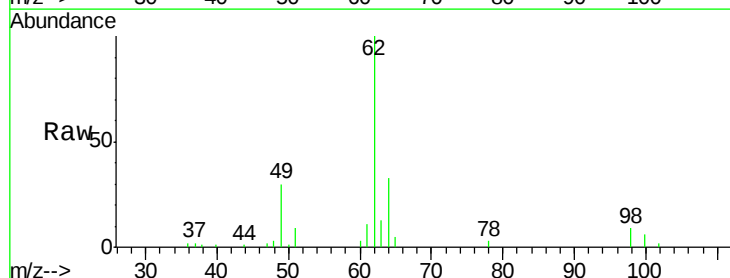
Instrument :
MSVOA_D
ClientSampleId :

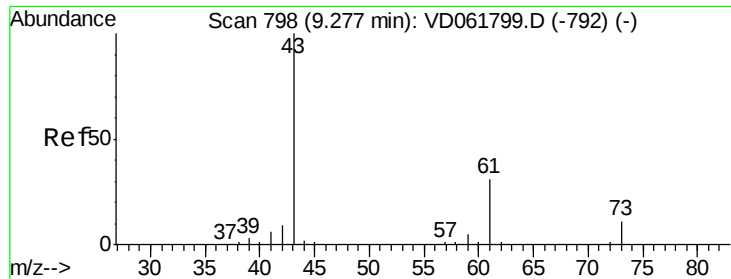
Tot Ion: 41 Resp: 72094
Ion Ratio Lower Upper
41 100
39 44.2 34.1 51.1
67 17.4 23.8 35.6#
52 7.3 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 20.005 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.05 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 62 Resp: 124924
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.8



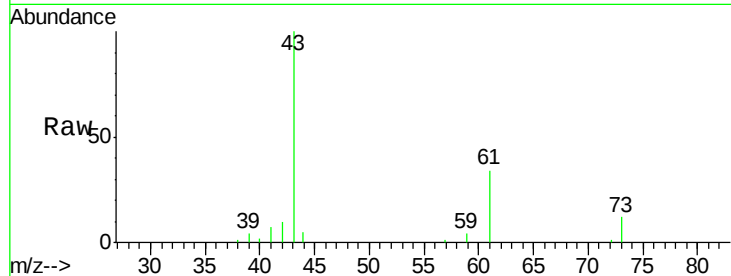


#43

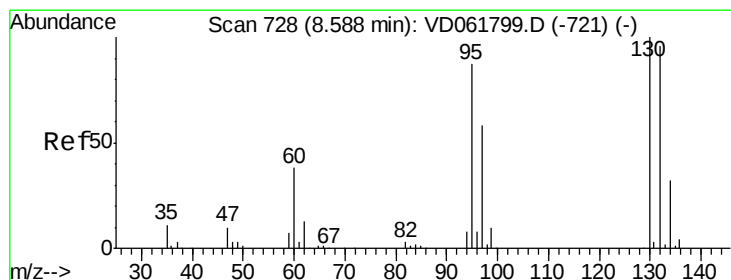
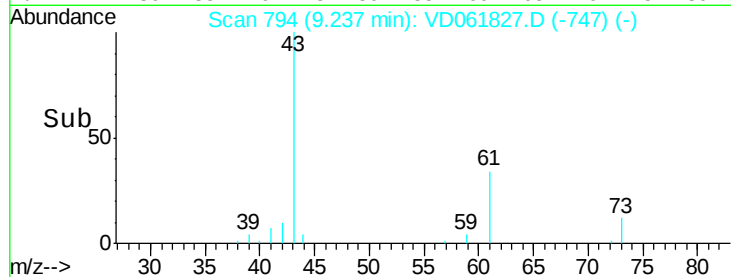
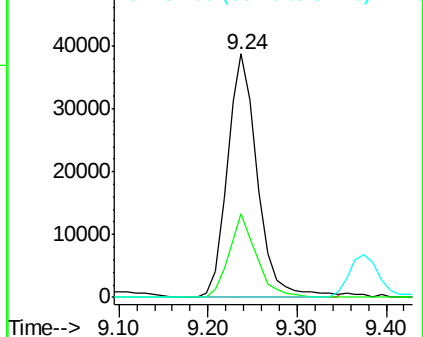
Isopropyl Acetate
 Concen: 20.303 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 91325
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.1 37.7
 87 0.0 0.0 0.0



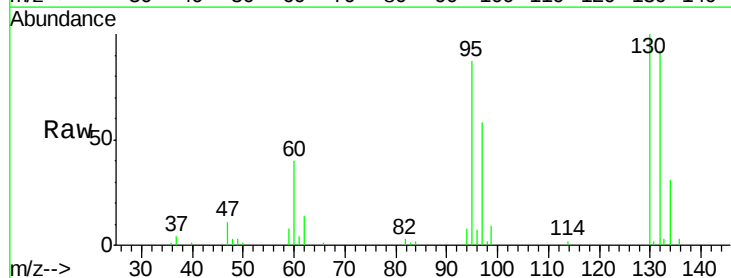
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



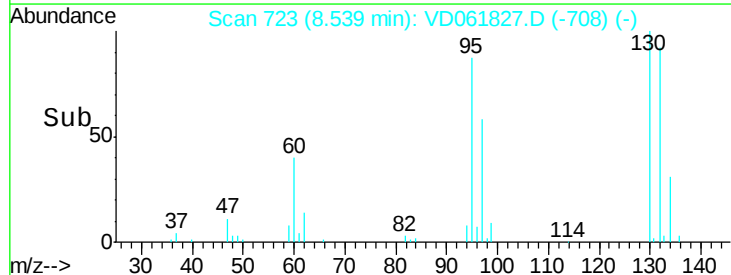
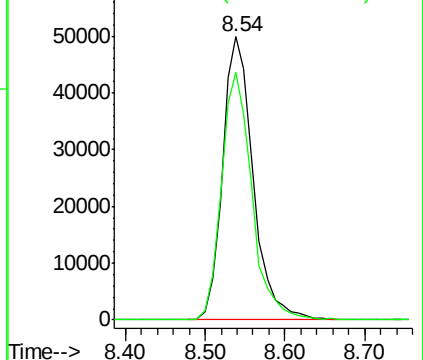
#44

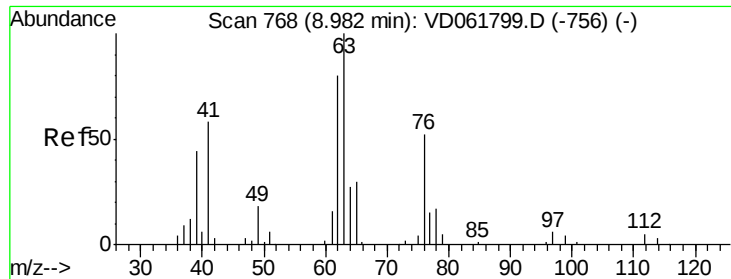
Trichloroethene
 Concen: 19.376 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.05 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion: 130 Resp: 133742
 Ion Ratio Lower Upper
 130 100
 95 87.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.345 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

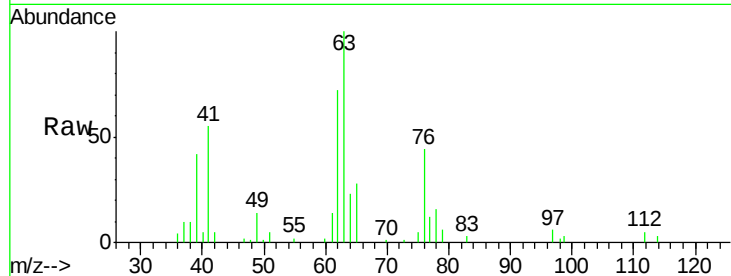
ClientSampled :

Tot Ion: 63 Resp: 95017

Ion Ratio Lower Upper

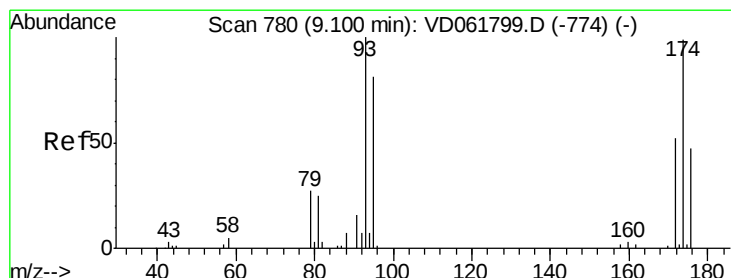
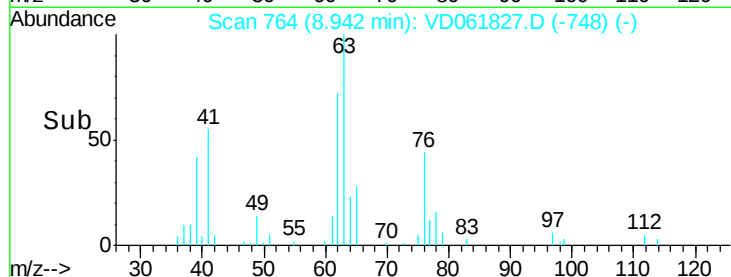
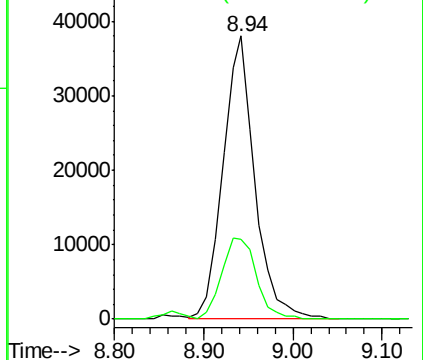
63 100

65 28.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.355 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

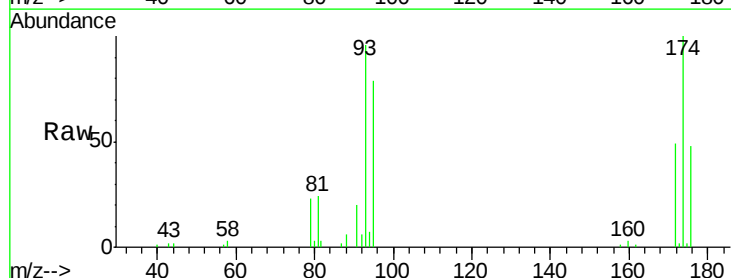
Tgt Ion: 93 Resp: 67739

Ion Ratio Lower Upper

93 100

95 82.0 64.8 97.2

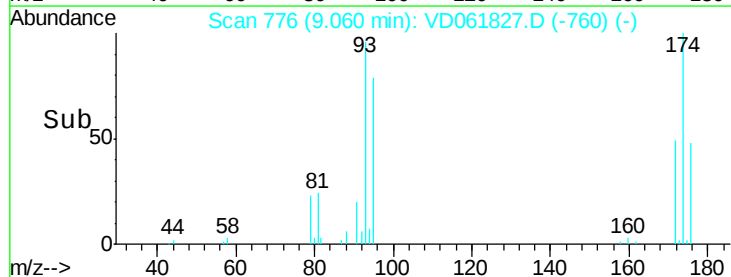
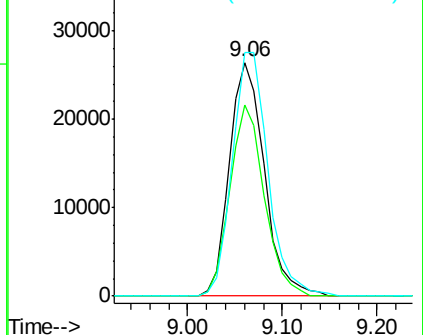
174 104.1 79.3 118.9

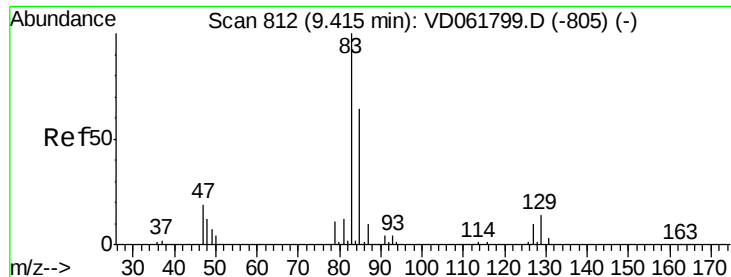


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.586 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

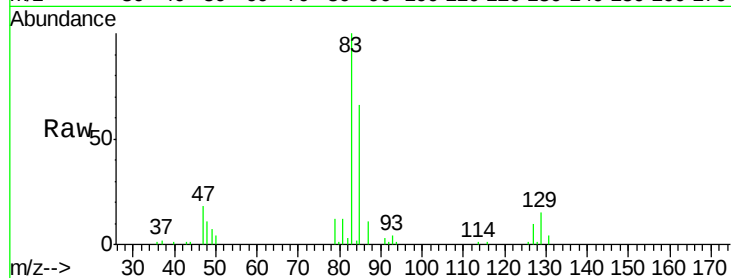
Tot Ion: 83 Resp: 158046

Ion Ratio Lower Upper

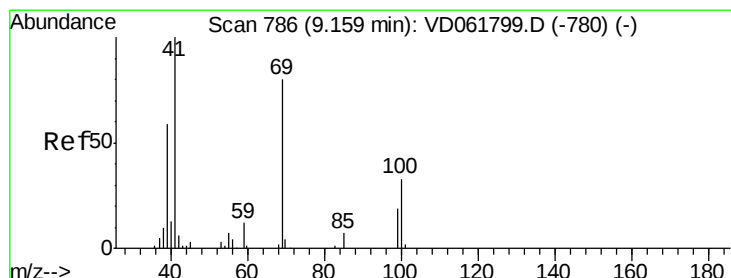
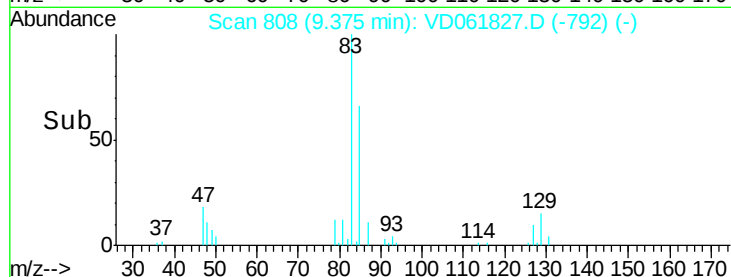
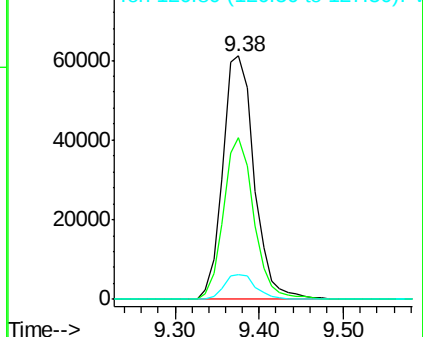
83 100

85 66.2 50.9 76.3

127 9.9 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.194 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

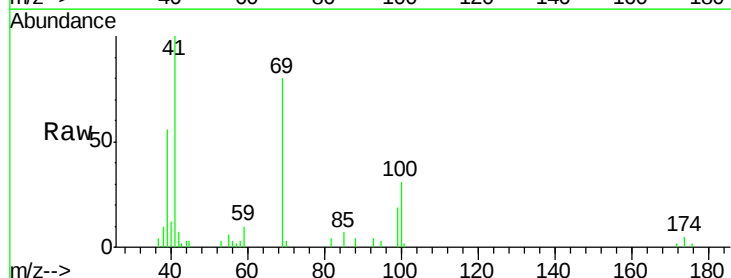
Tgt Ion: 41 Resp: 56038

Ion Ratio Lower Upper

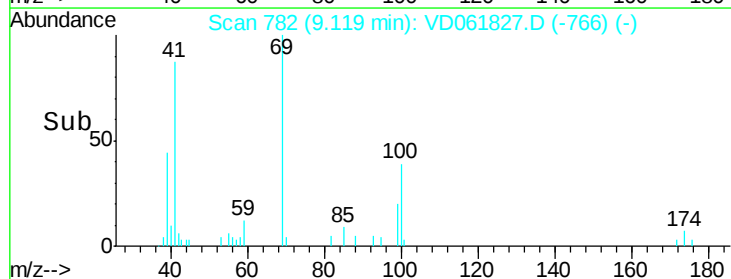
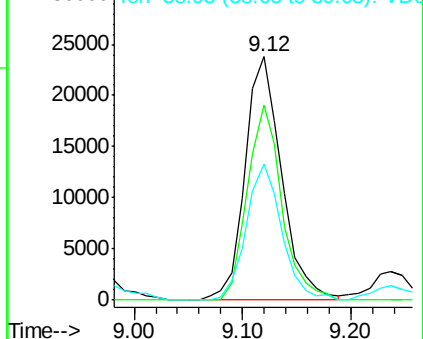
41 100

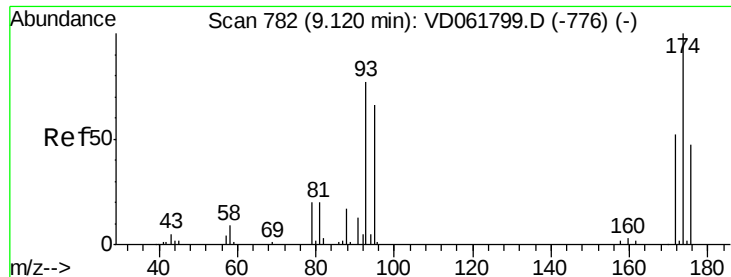
69 80.2 64.2 96.2

39 55.9 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

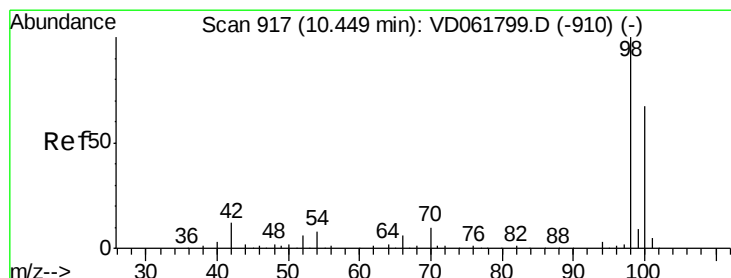
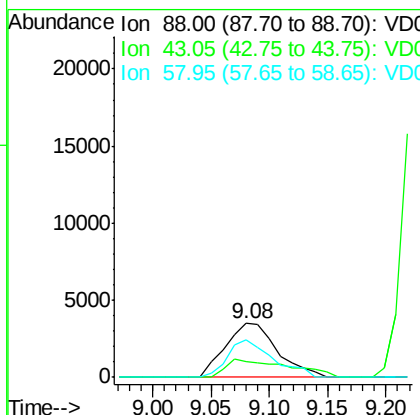
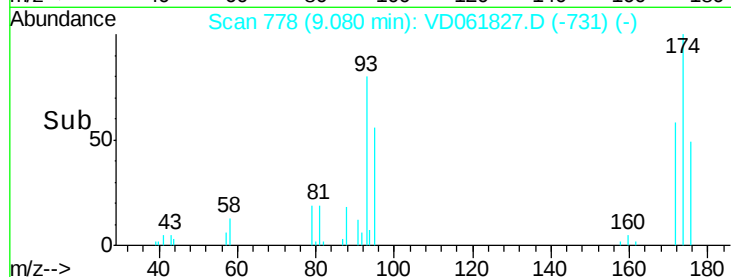
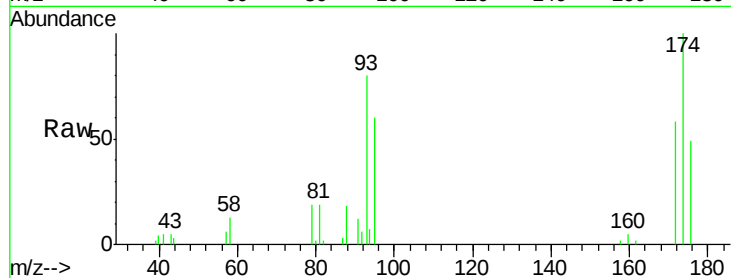




#49
1,4-Dioxane
Concen: 370.693 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

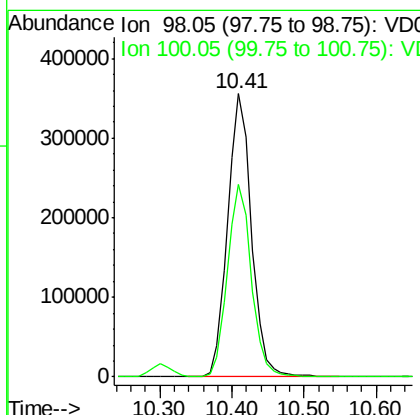
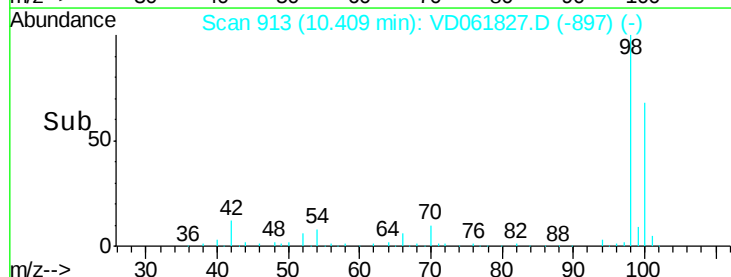
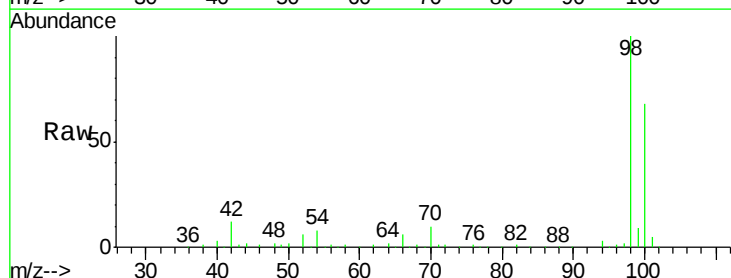
Instrument :
MSVOA_D
ClientSampleId :

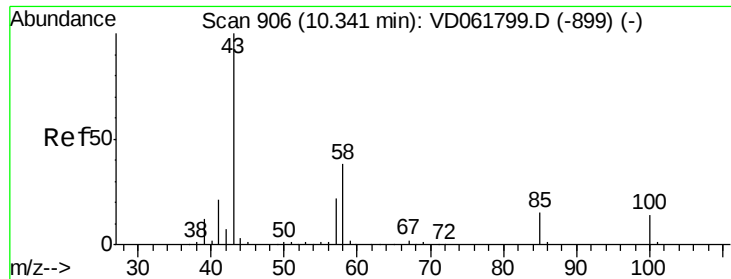
Tot Ion: 88 Resp: 10713
Ion Ratio Lower Upper
88 100
43 29.6 23.4 35.0
58 69.6 44.0 66.0#



#50
Toluene-d8
Concen: 370.693 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 98 Resp: 819193
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 99.441 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.04 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

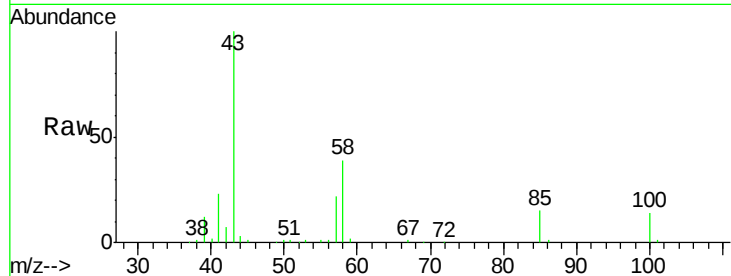
ClientSampled :

Tot Ion: 43 Resp: 273539

Ion Ratio Lower Upper

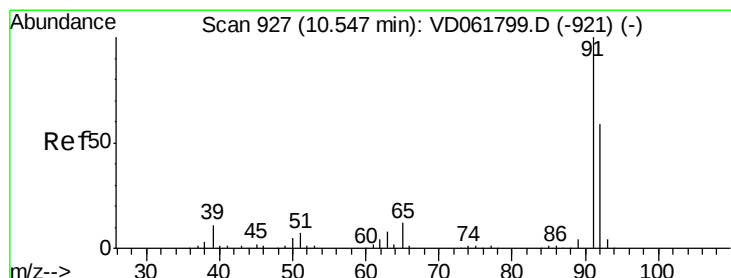
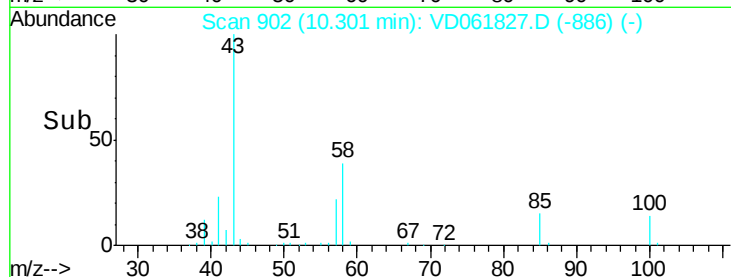
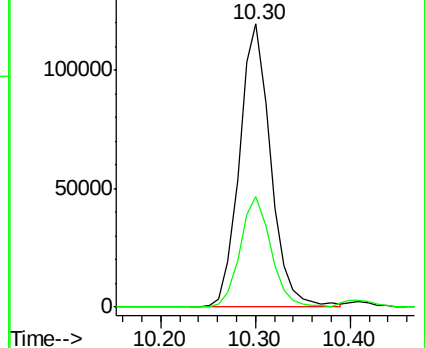
43 100

58 38.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.678 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061827.D

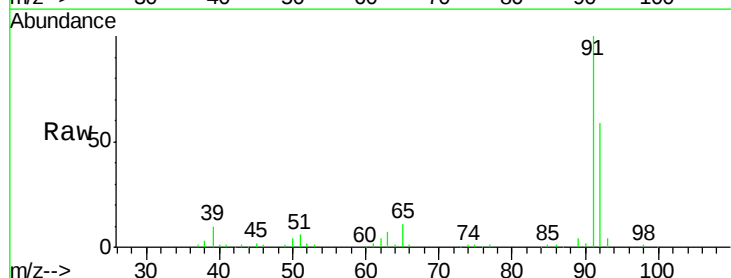
Acq: 17 Apr 2019 1:24

Tgt Ion: 92 Resp: 249083

Ion Ratio Lower Upper

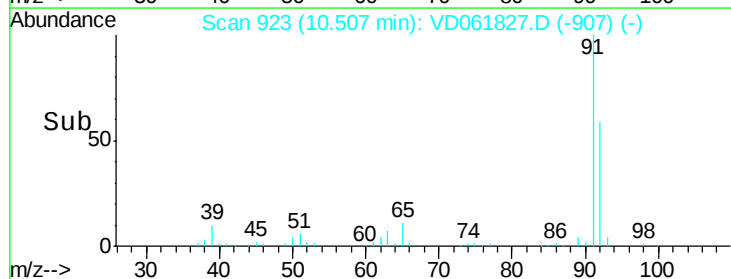
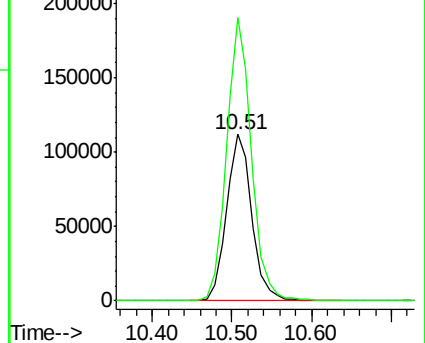
92 100

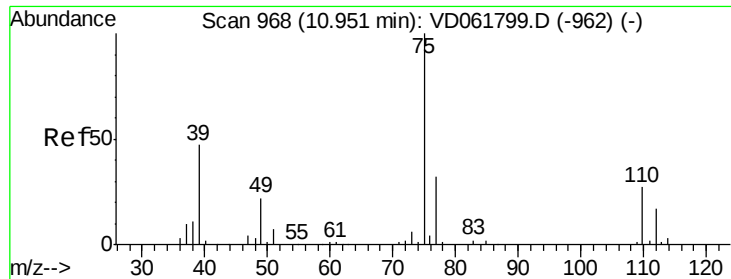
91 170.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

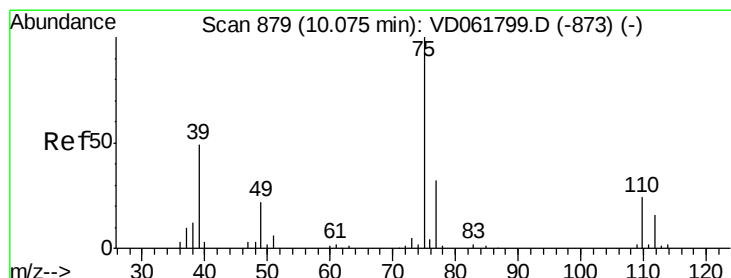
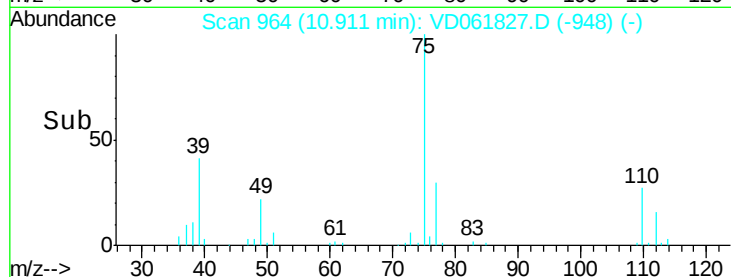
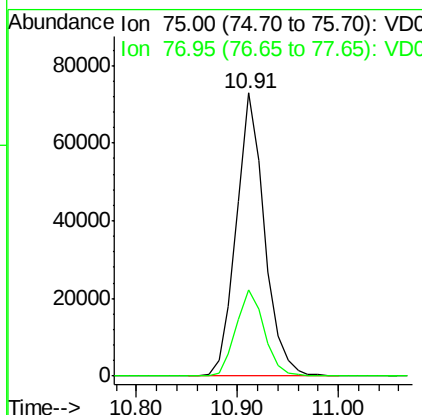
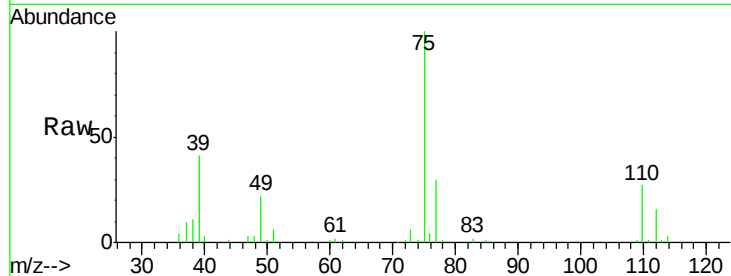




#53
t-1,3-Dichloropropene
Concen: 20.450 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

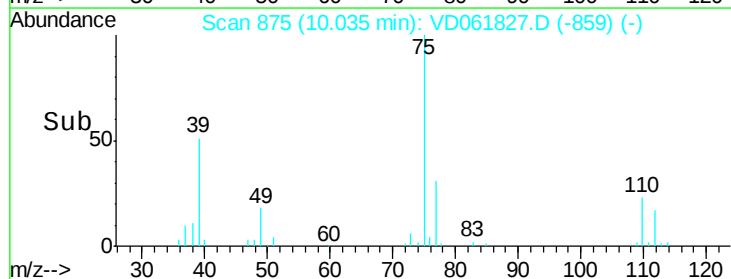
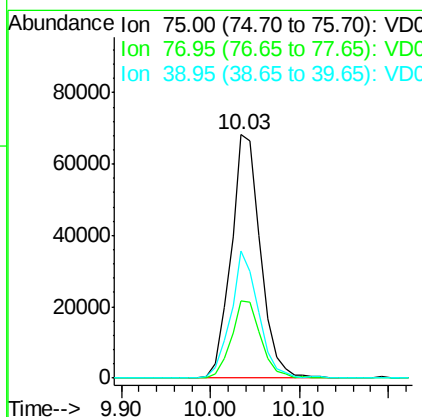
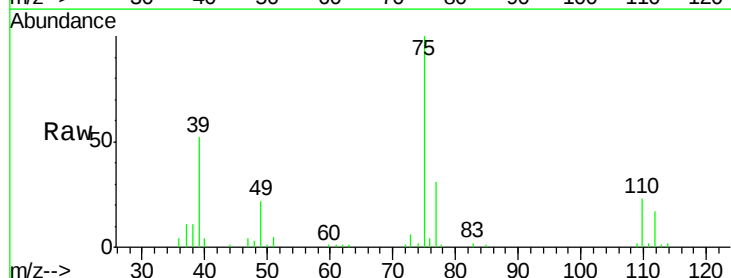
Instrument :
MSVOA_D
ClientSampleId :

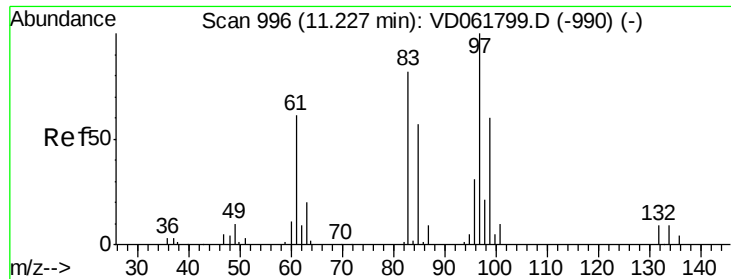
Tot Ion: 75 Resp: 141467
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 19.376 ug/l
RT: 10.03 min Scan# 875
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 75 Resp: 157341
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
39 52.2 39.4 59.2

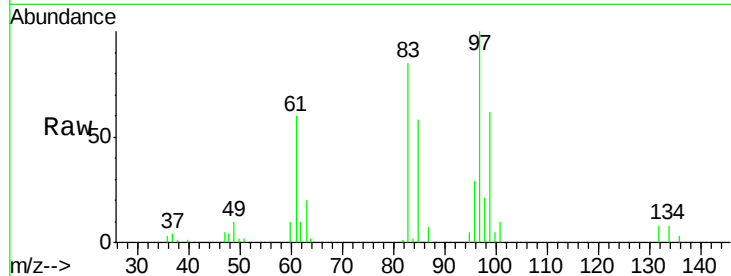




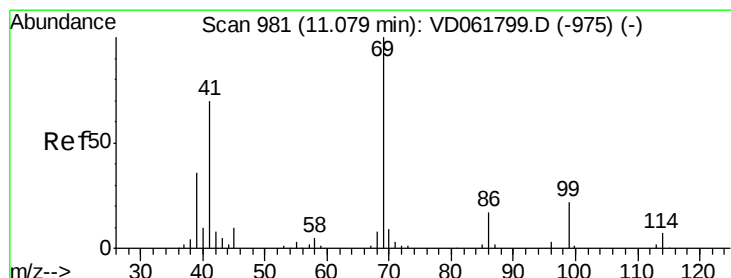
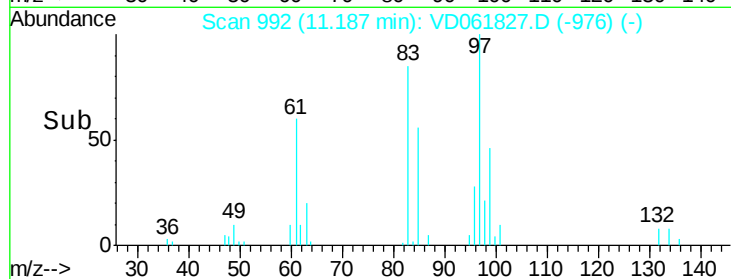
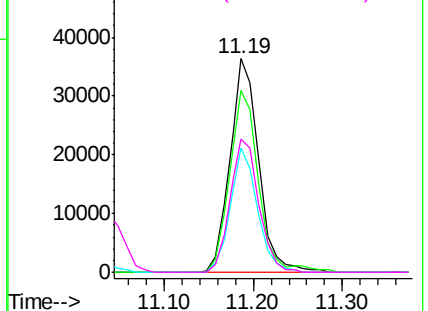
#55
 1,1,2-Trichloroethane
 Concen: 21.153 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	81899
Ion	Ratio	Lower	Upper
97	100		
83	85.0	65.7	98.5
85	57.9	45.6	68.4
99	62.3	48.4	72.6

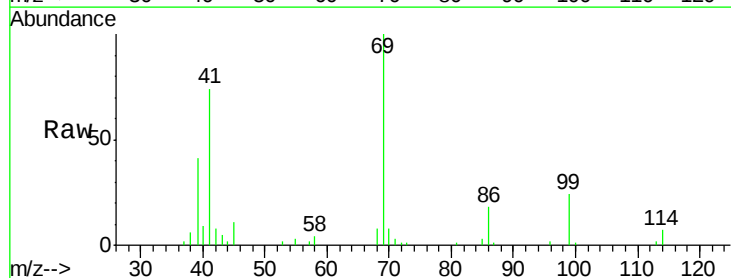


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

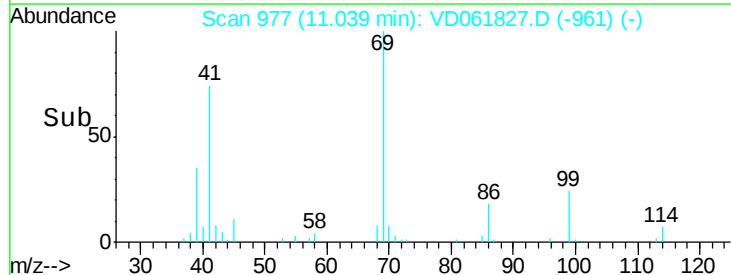
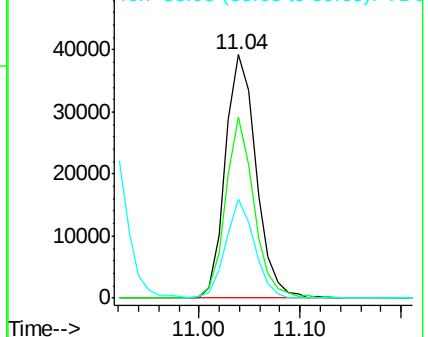


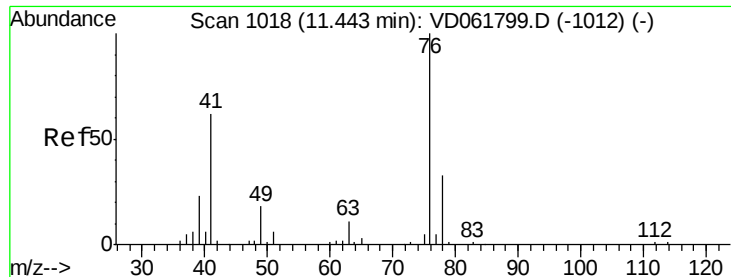
#56
 Ethyl methacrylate
 Concen: 19.583 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion:	69	Resp:	83217
Ion	Ratio	Lower	Upper
69	100		
41	74.4	56.3	84.5
39	40.7	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

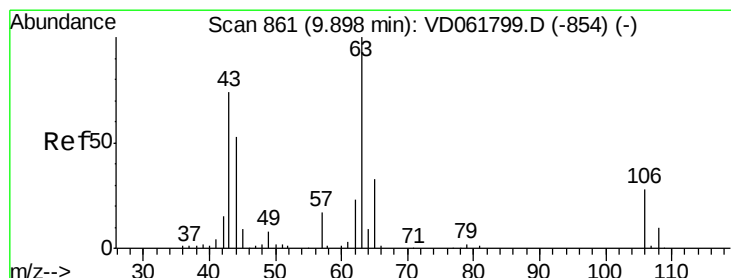
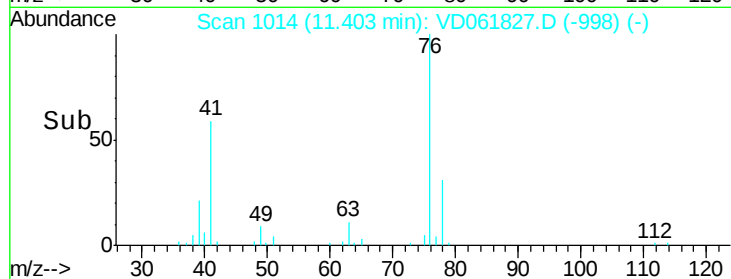
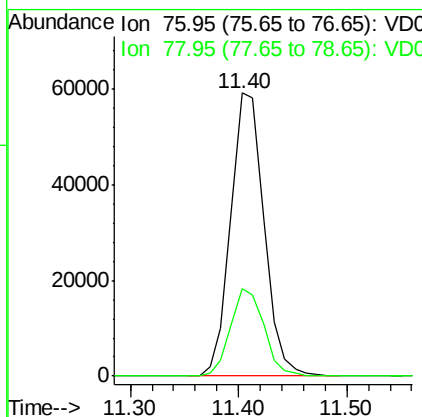
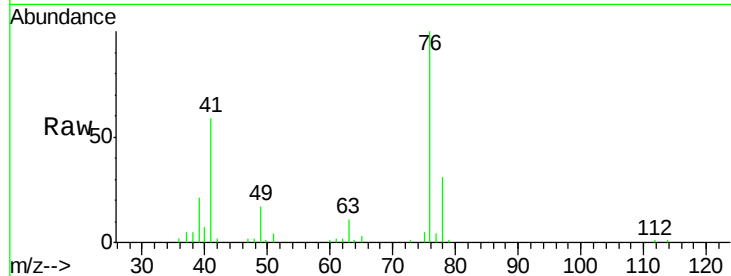




#57
 1,3-Dichloropropane
 Concen: 21.856 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

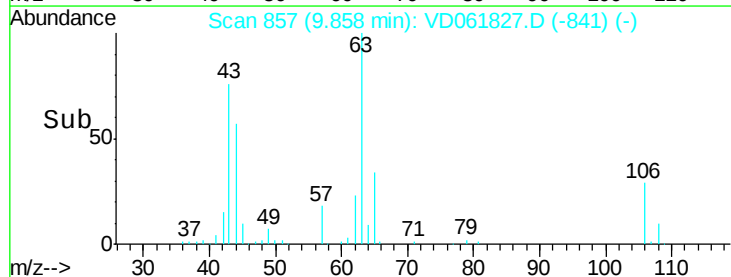
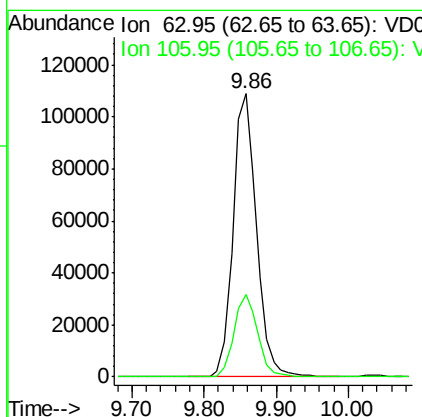
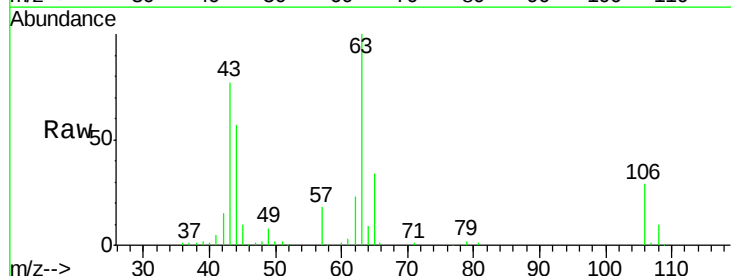
Instrument :
 MSVOA_D
 ClientSampleId :

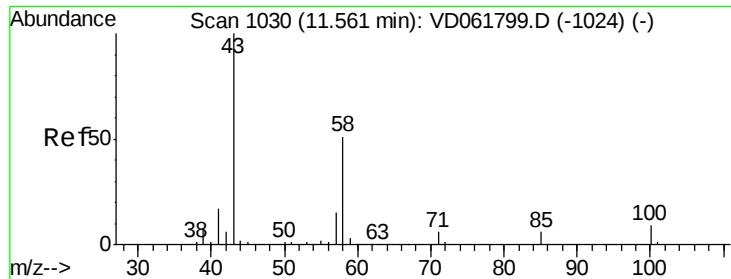
Tot Ion: 76 Resp: 127217
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.313 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.04 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion: 63 Resp: 247219
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.6 34.0

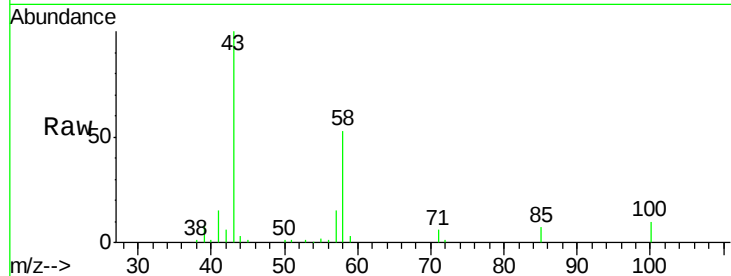




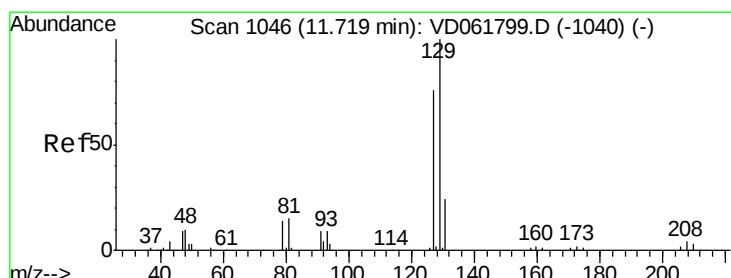
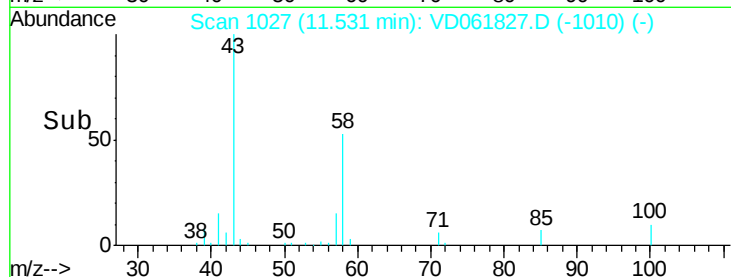
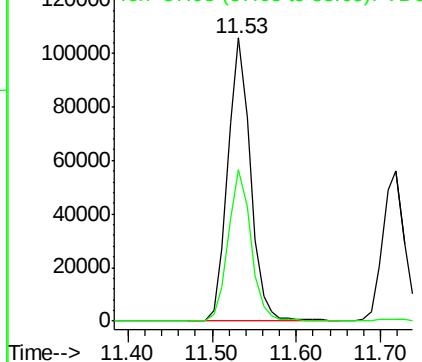
#59
2-Hexanone
Concen: 96.964 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 198103
Ion Ratio Lower Upper
43 100
58 53.4 25.4 76.4

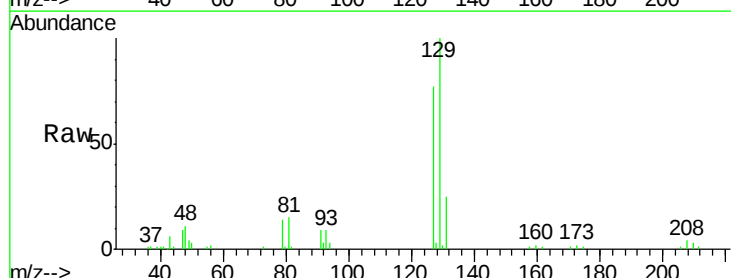


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

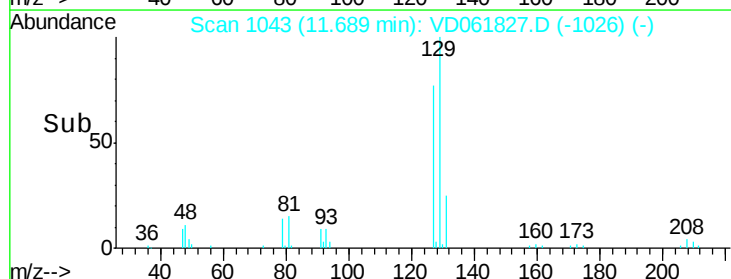
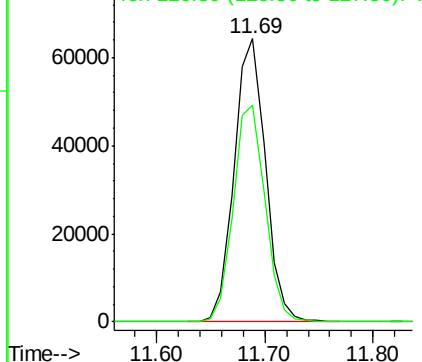


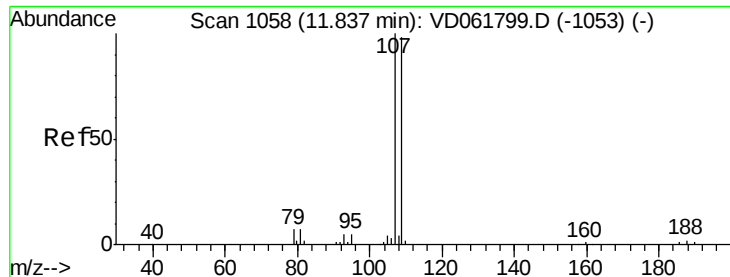
#60
Dibromochloromethane
Concen: 20.435 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 129 Resp: 129461
Ion Ratio Lower Upper
129 100
127 76.6 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 19.624 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

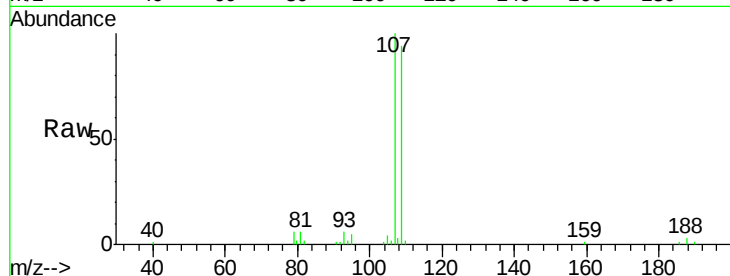
ClientSampled :

Tot Ion:107 Resp: 93425

Ion Ratio Lower Upper

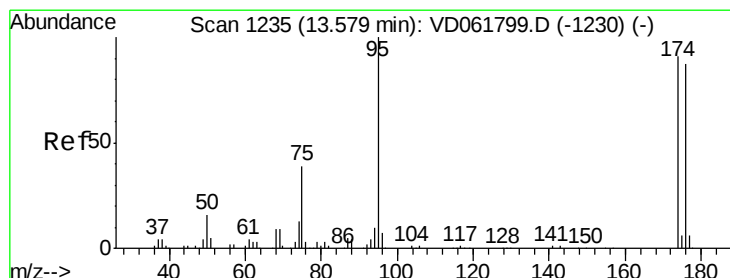
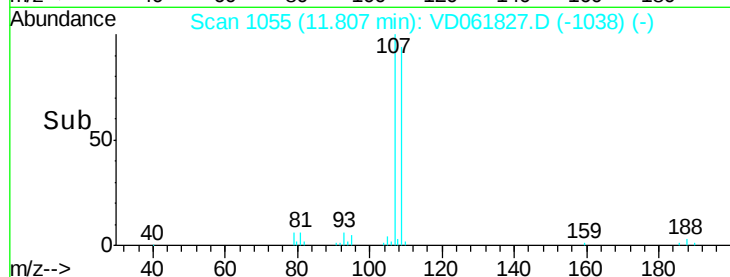
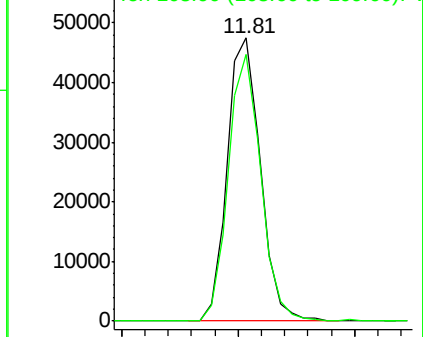
107 100

109 94.4 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.624 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

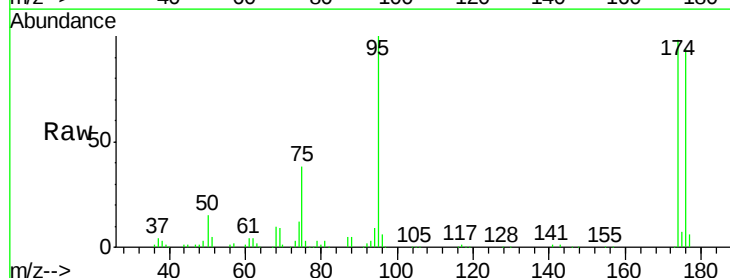
Tgt Ion: 95 Resp: 291476

Ion Ratio Lower Upper

95 100

174 97.9 0.0 181.8

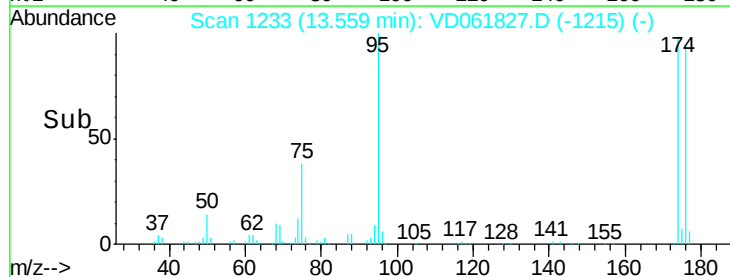
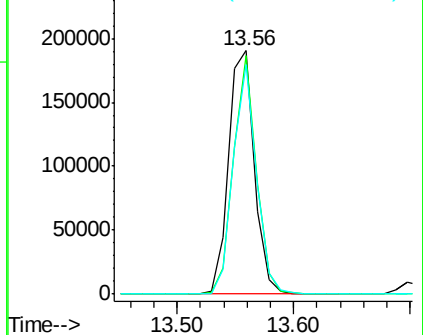
176 94.2 0.0 174.4

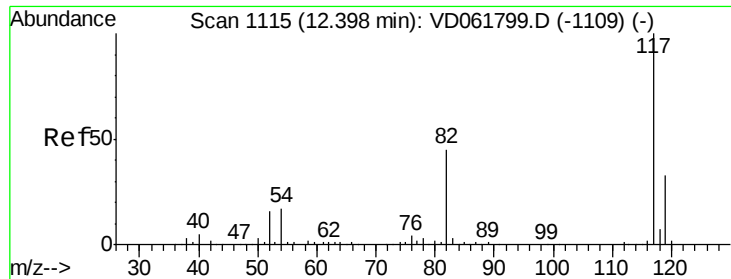


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

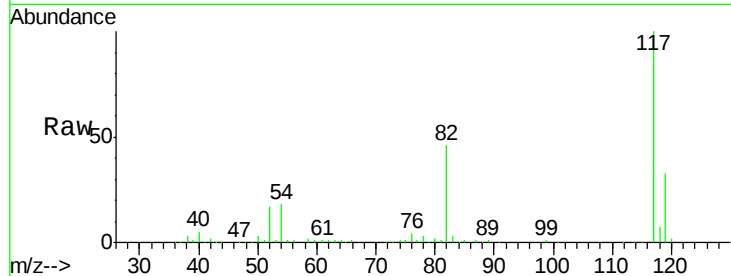




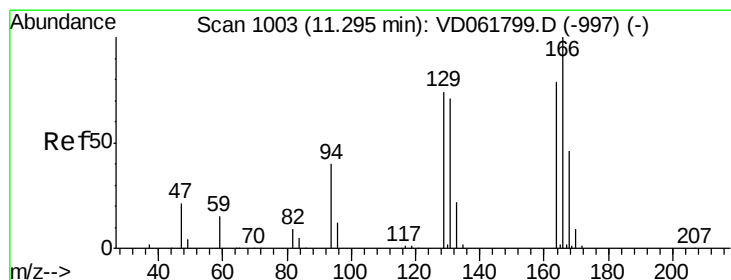
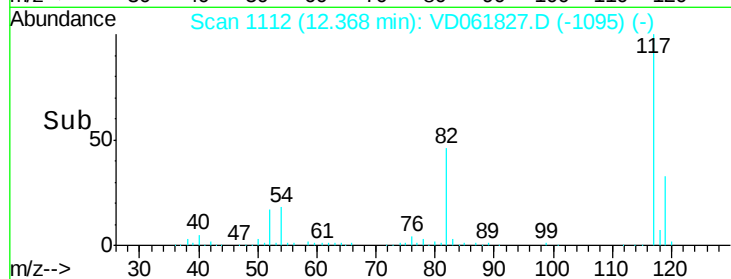
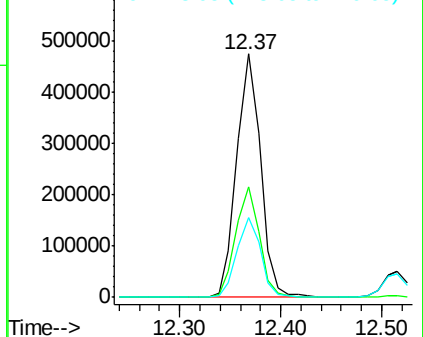
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 784157
Ion Ratio Lower Upper
117 100
82 45.6 36.2 54.2
119 32.9 26.2 39.4

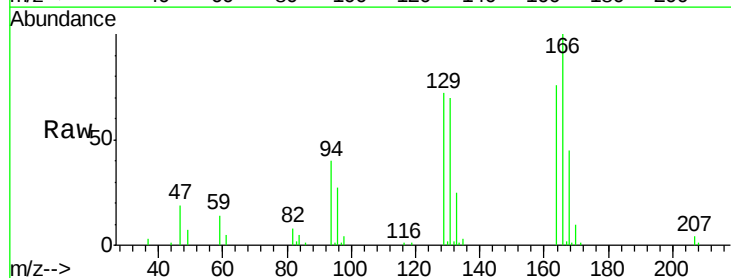


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

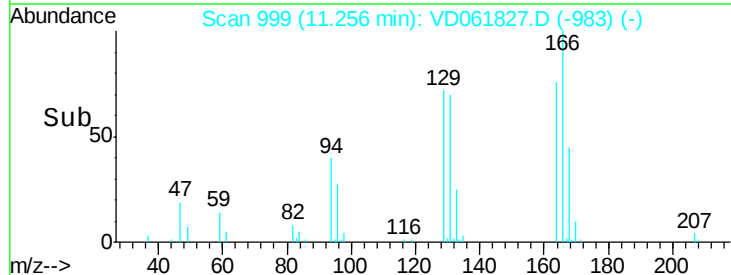
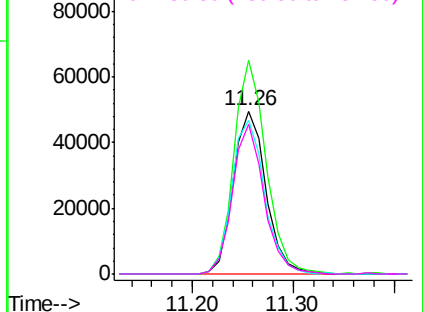


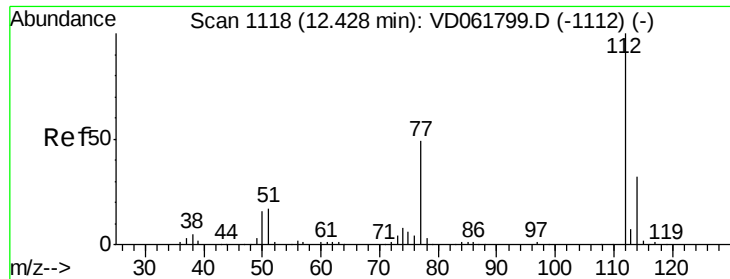
#64
Tetrachloroethene
Concen: 19.016 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.04 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion:164 Resp: 111830
Ion Ratio Lower Upper
164 100
166 131.2 101.5 152.3
129 94.6 74.6 112.0
131 92.2 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.664 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

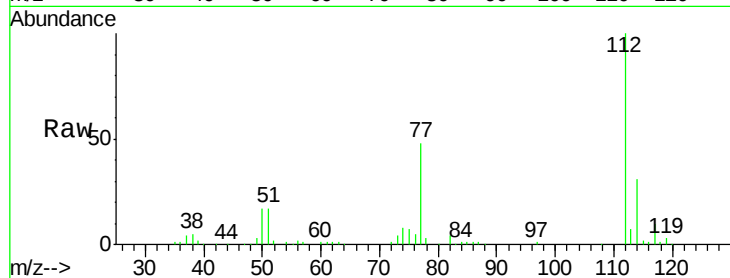
ClientSampleId :

Tot Ion:112 Resp: 301769

Ion Ratio Lower Upper

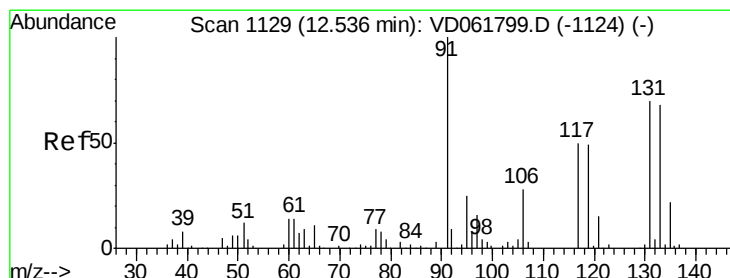
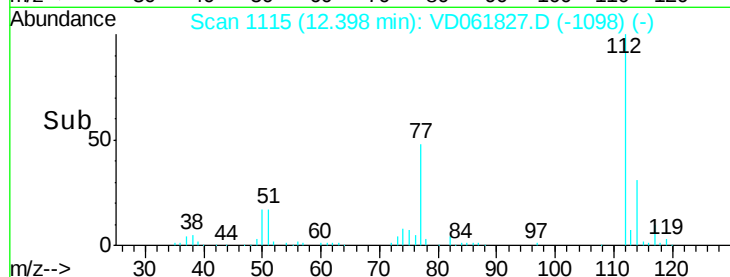
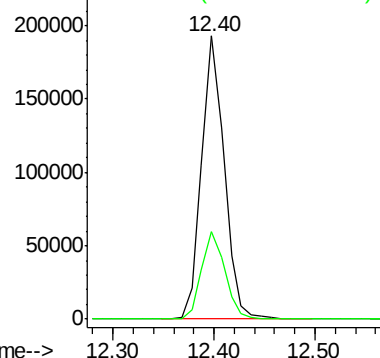
112 100

114 31.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.191 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

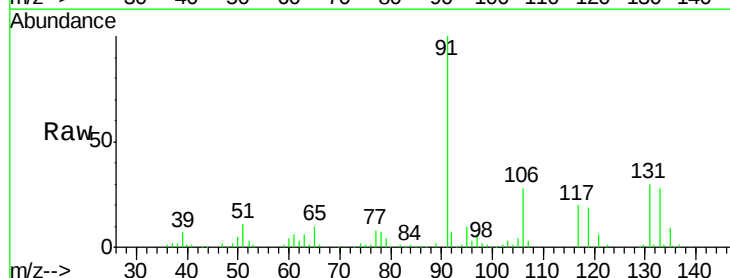
Tgt Ion:131 Resp: 123565

Ion Ratio Lower Upper

131 100

133 91.3 48.6 145.8

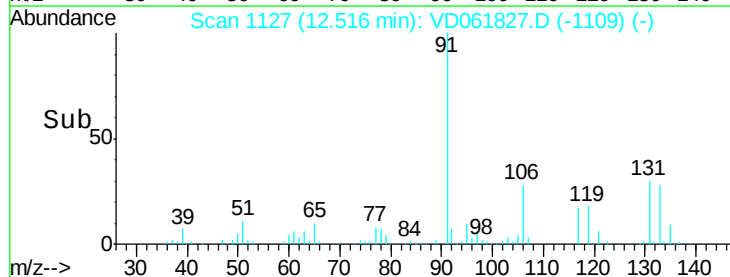
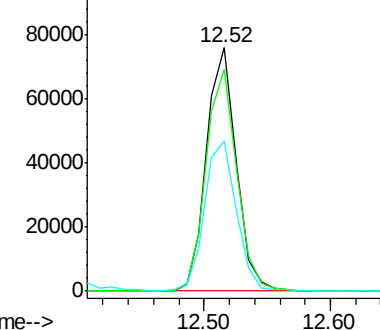
119 61.7 34.7 104.1

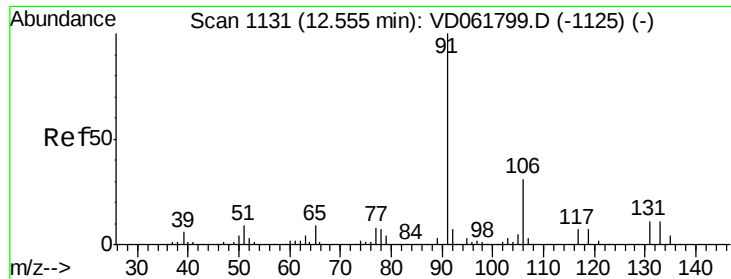


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

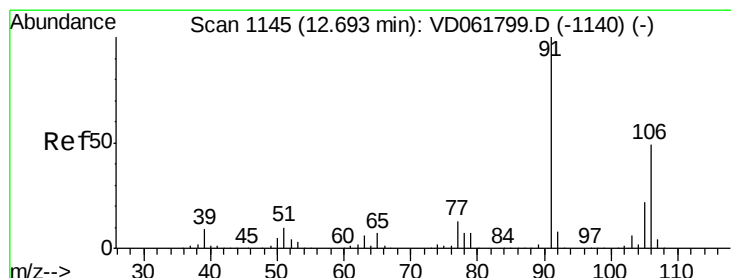
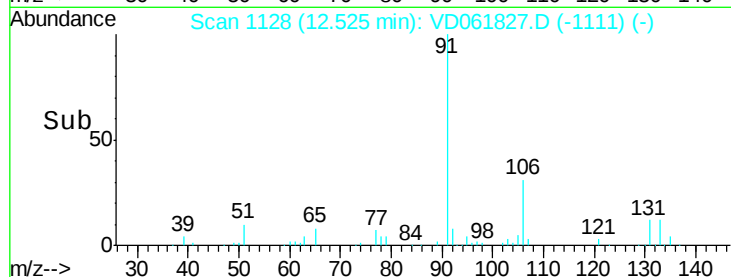
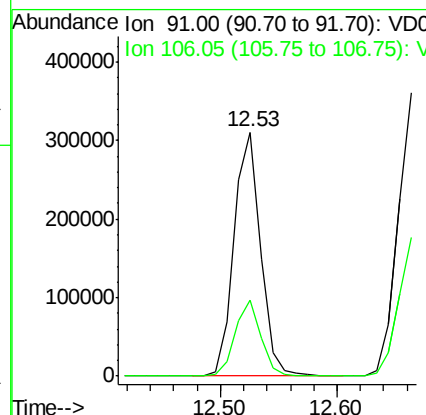
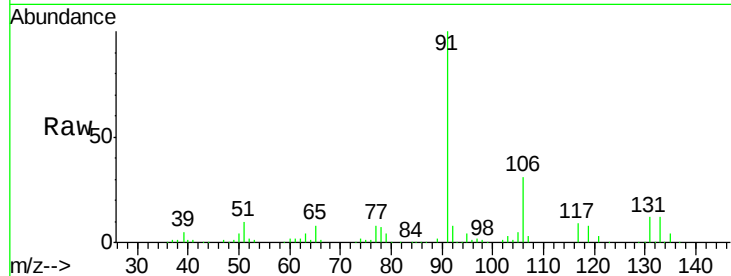




#67
Ethyl Benzene
Concen: 20.964 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

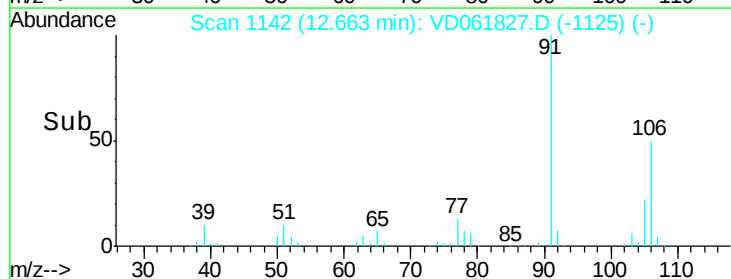
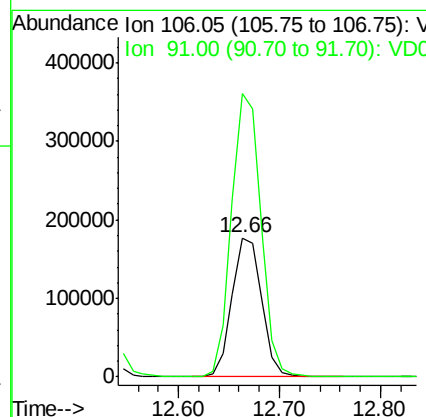
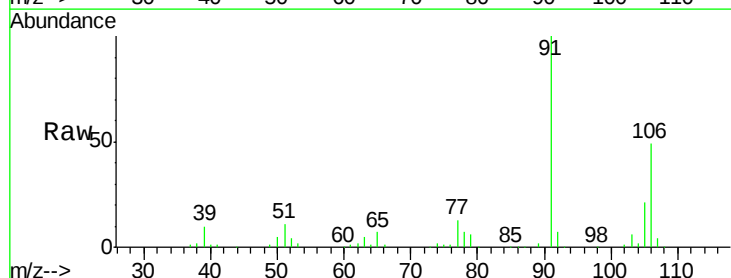
Instrument :
MSVOA_D
ClientSampleID :

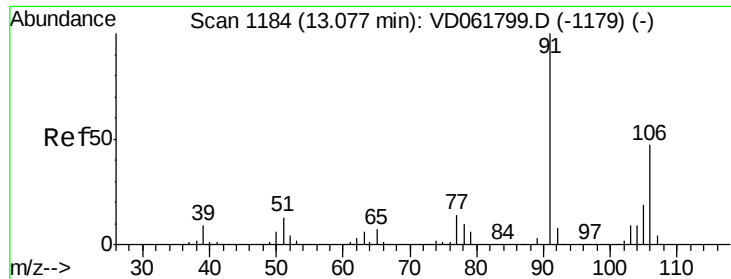
Tot Ion: 91 Resp: 490285
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 40.987 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 106 Resp: 360067
Ion Ratio Lower Upper
106 100
91 203.6 164.0 246.0

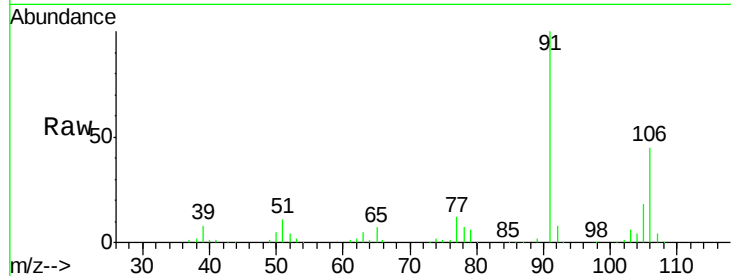




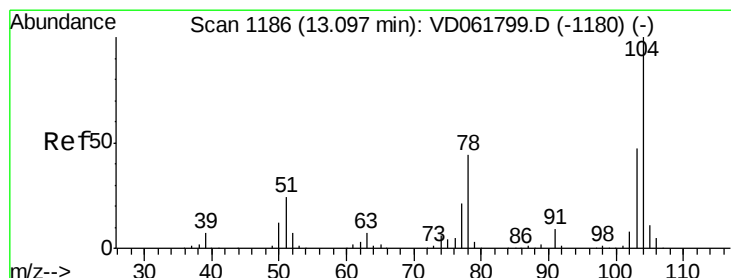
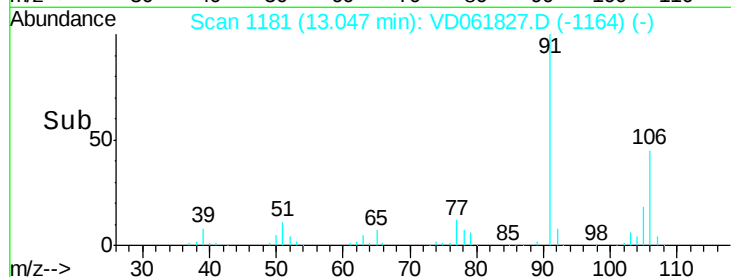
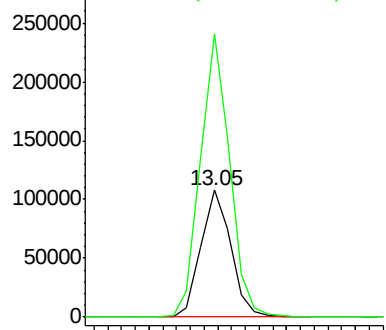
#69
o-Xylene
Concen: 19.783 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 163346
Ion Ratio Lower Upper
106 100
91 222.7 106.7 319.9

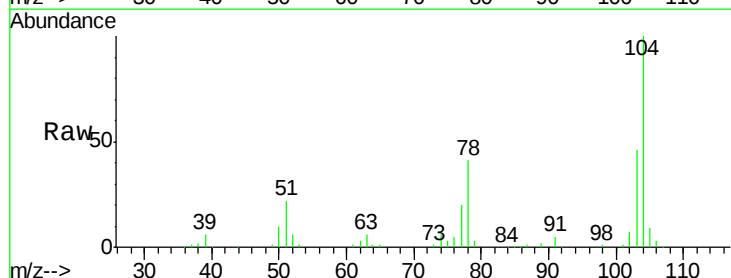


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

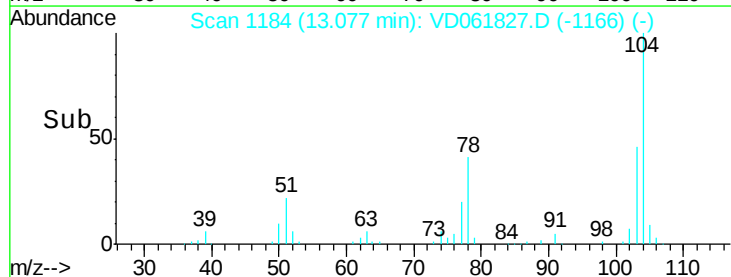
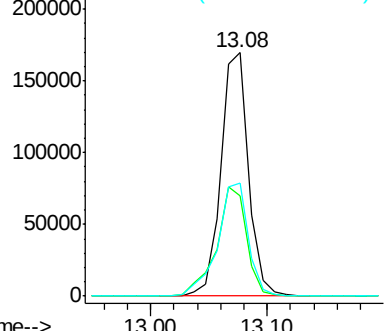


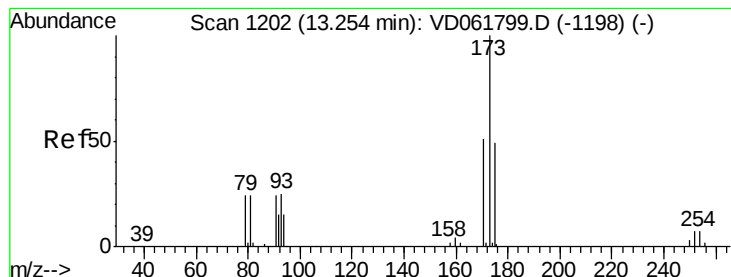
#70
Styrene
Concen: 19.456 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion:104 Resp: 276448
Ion Ratio Lower Upper
104 100
78 41.1 35.4 53.2
103 46.5 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.712 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

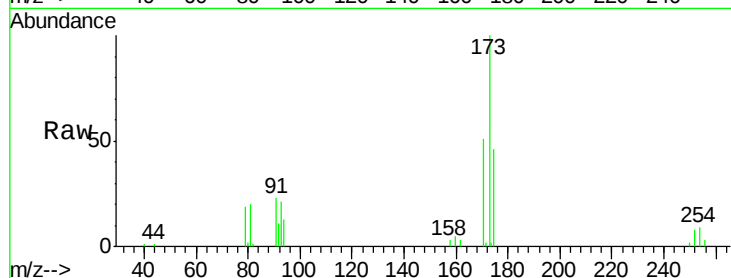
Tot Ion:173 Resp: 71606

Ion Ratio Lower Upper

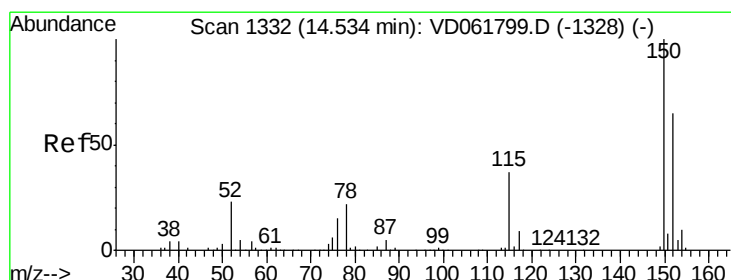
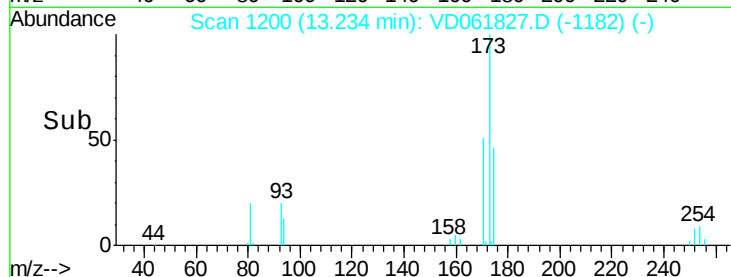
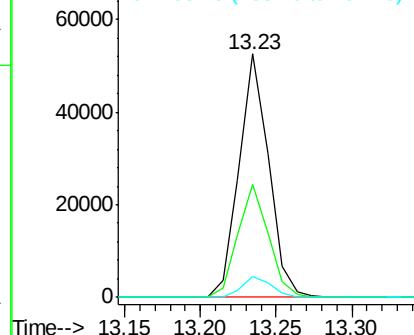
173 100

175 46.3 24.4 73.4

254 8.7 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

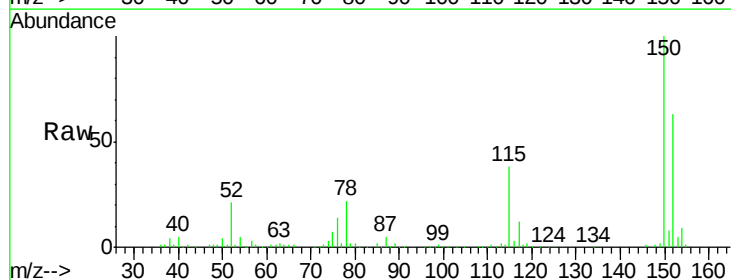
Tgt Ion:152 Resp: 384855

Ion Ratio Lower Upper

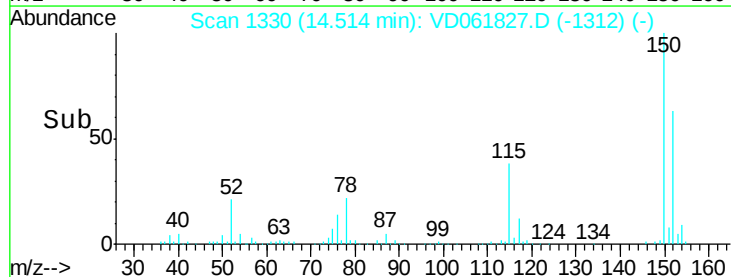
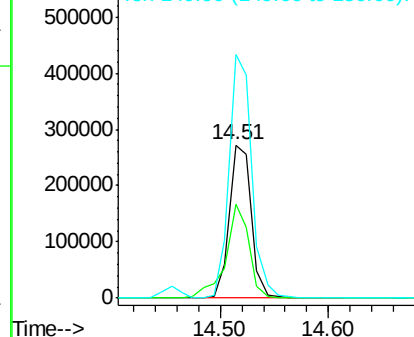
152 100

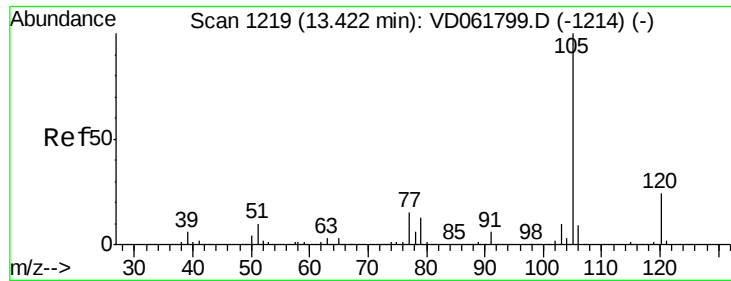
115 61.1 30.9 92.7

150 159.3 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.157 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

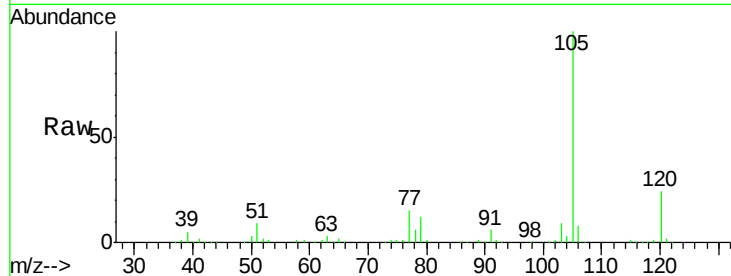
ClientSampleId :

Tot Ion:105 Resp: 478135

Ion Ratio Lower Upper

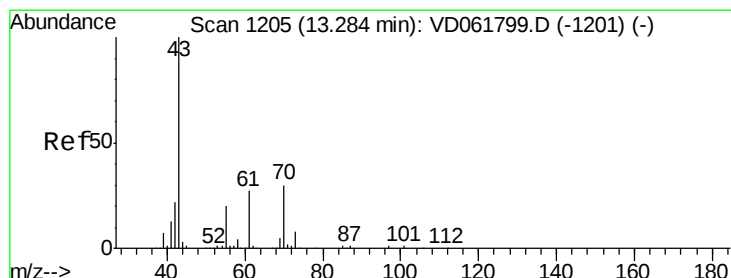
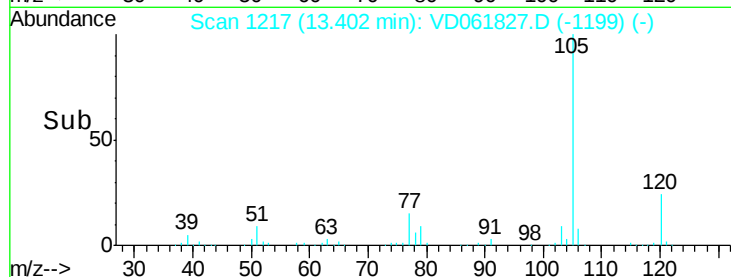
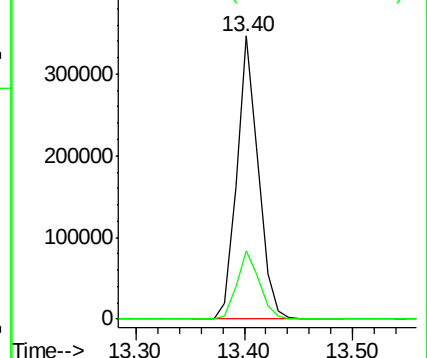
105 100

120 24.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.744 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Tgt Ion: 43 Resp: 119091

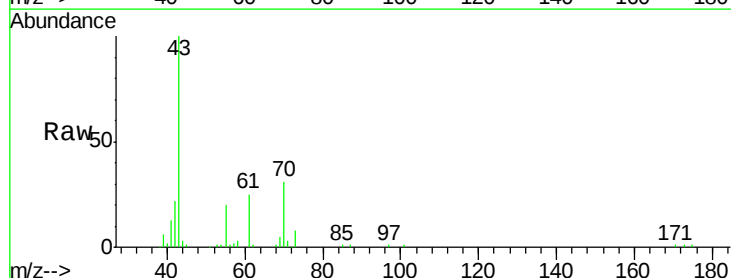
Ion Ratio Lower Upper

43 100

70 31.3 24.2 36.4

55 19.7 16.0 24.0

61 24.9 21.6 32.4

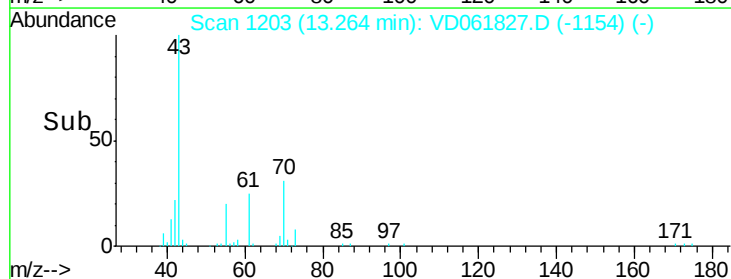
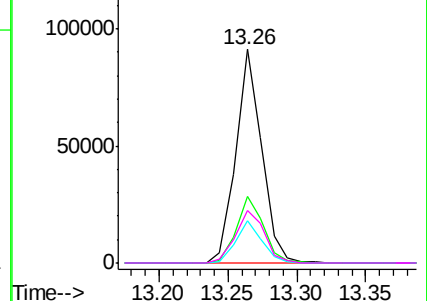


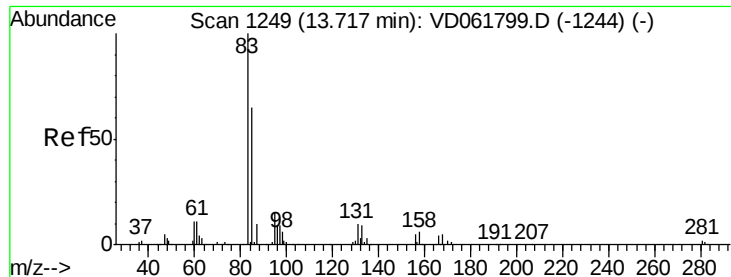
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.009 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

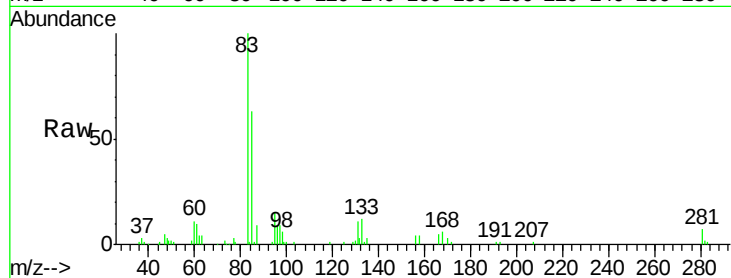
Tot Ion: 83 Resp: 88851

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

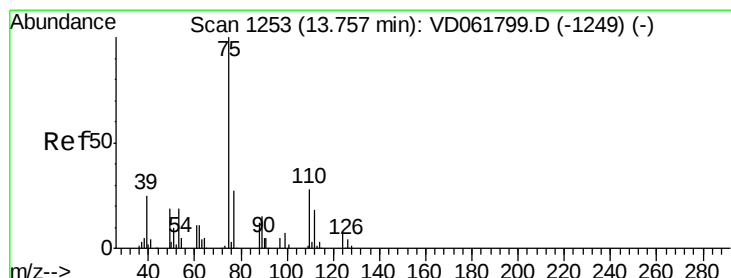
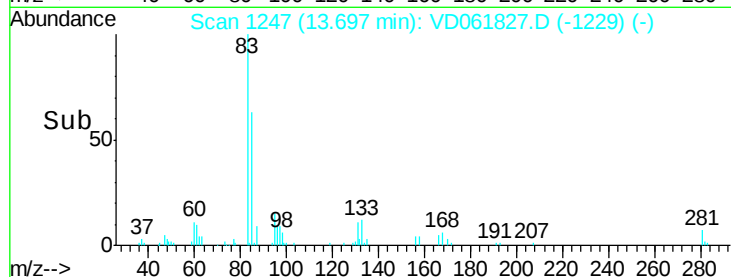
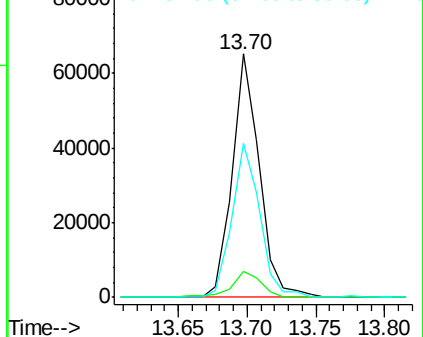
85 63.2 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 16.352 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD061827.D

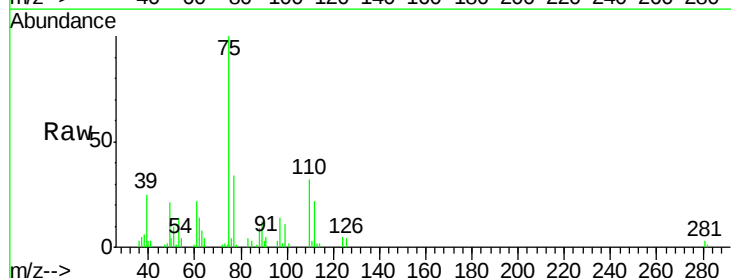
Acq: 17 Apr 2019 1:24

Tgt Ion: 75 Resp: 82646

Ion Ratio Lower Upper

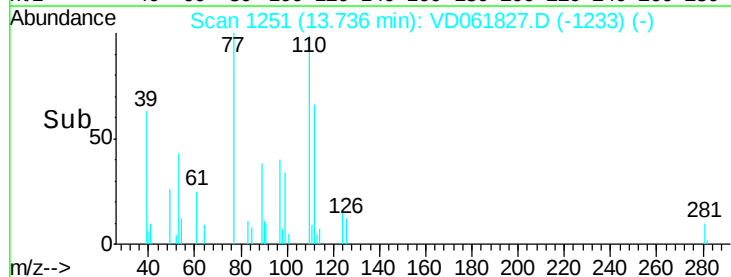
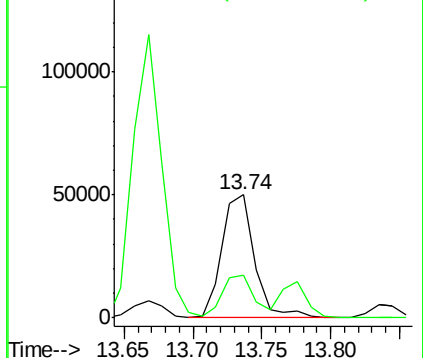
75 100

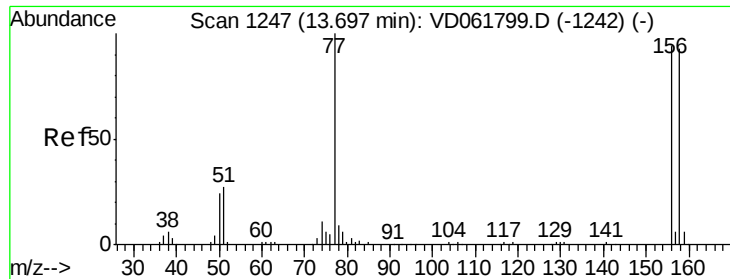
77 34.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.744 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

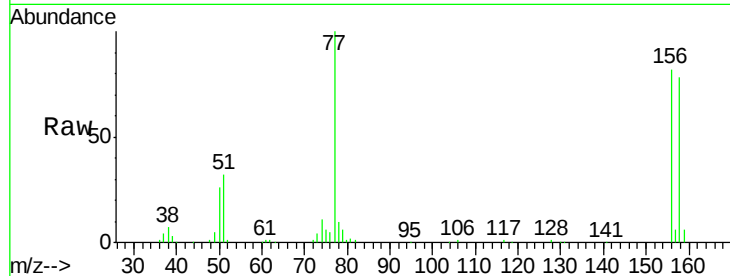
Tot Ion:156 Resp: 132892

Ion Ratio Lower Upper

156 100

77 122.6 53.1 159.4

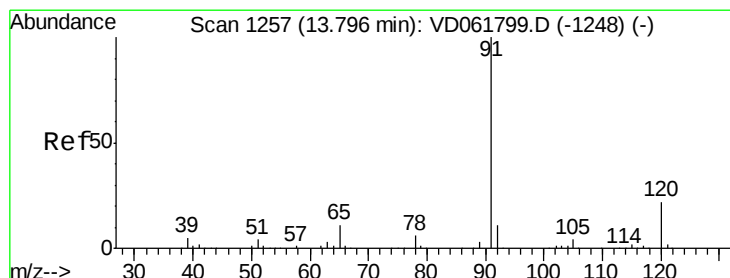
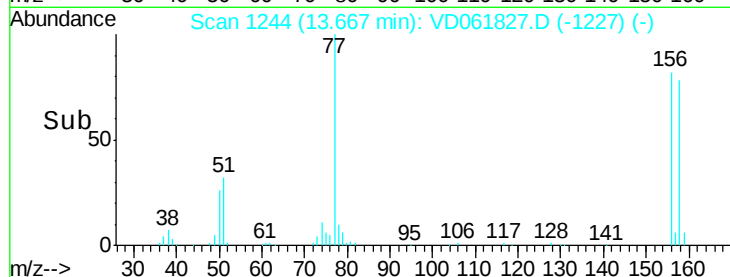
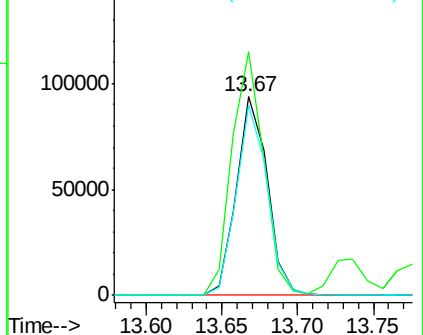
158 95.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 17.970 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061827.D

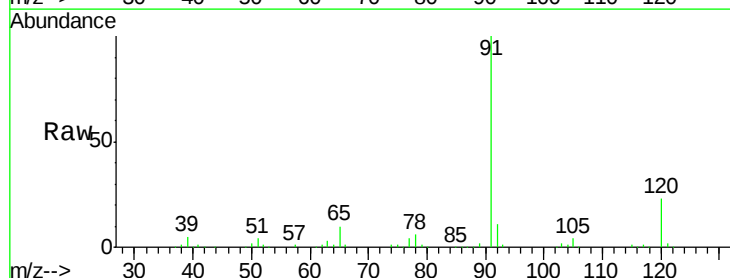
Acq: 17 Apr 2019 1:24

Tgt Ion: 91 Resp: 518203

Ion Ratio Lower Upper

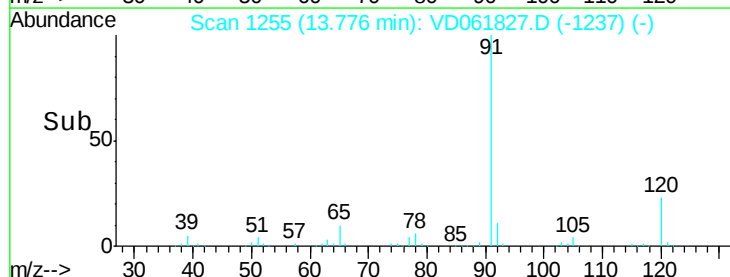
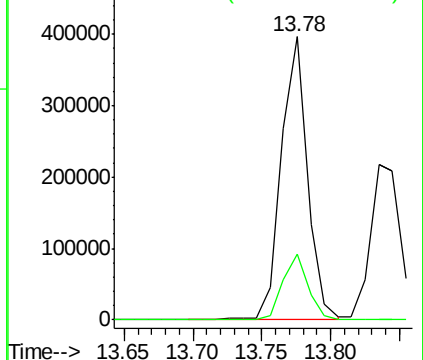
91 100

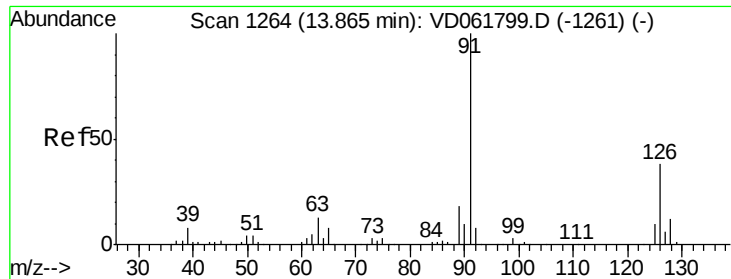
120 23.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

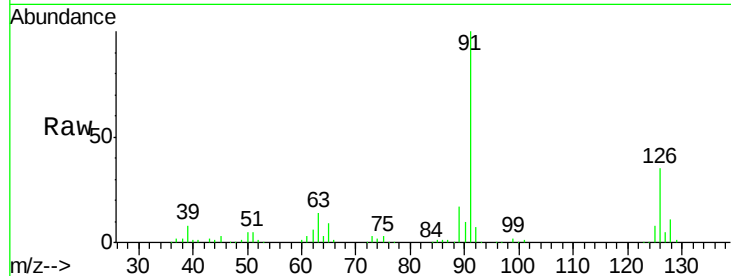




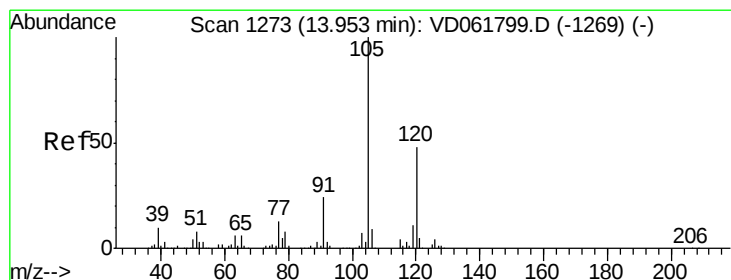
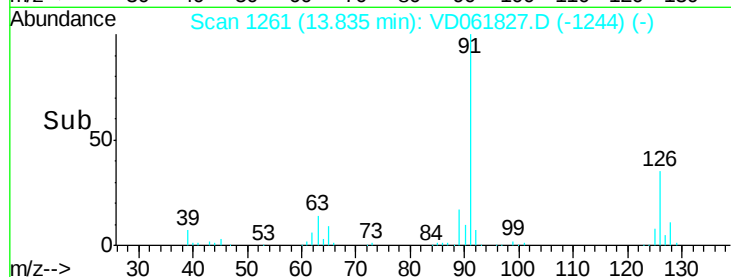
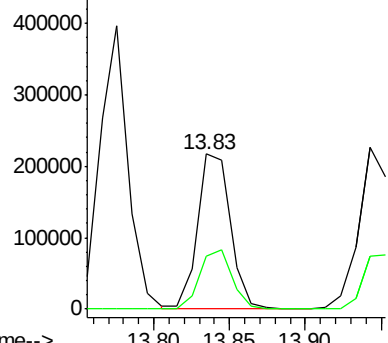
#79
2-Chlorotoluene
Concen: 19.515 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 328742
Ion Ratio Lower Upper
91 100
126 34.6 18.6 55.8

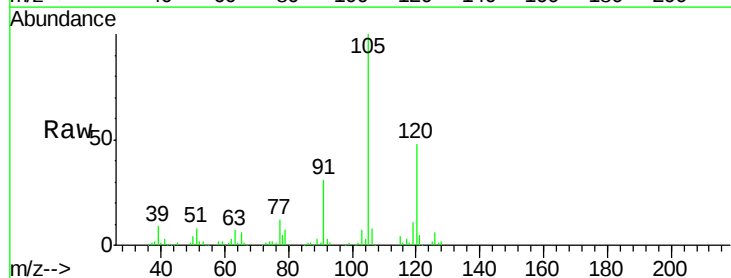


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

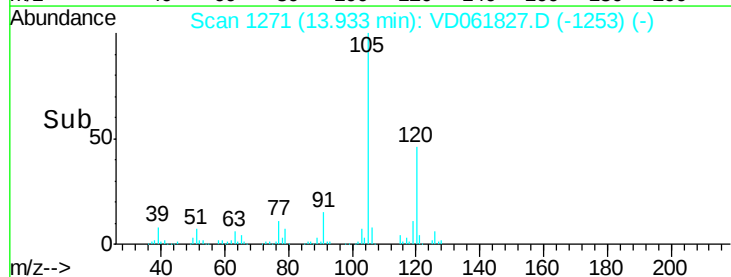
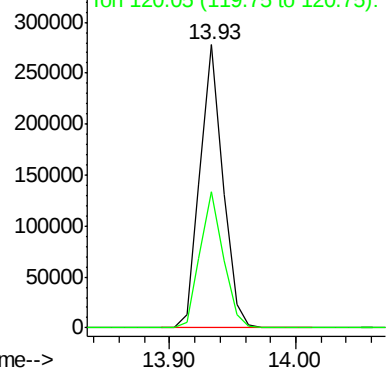


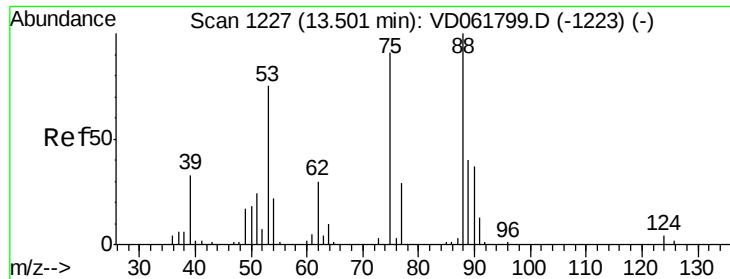
#80
1,3,5-Trimethylbenzene
Concen: 17.643 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion: 105 Resp: 349414
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.550 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

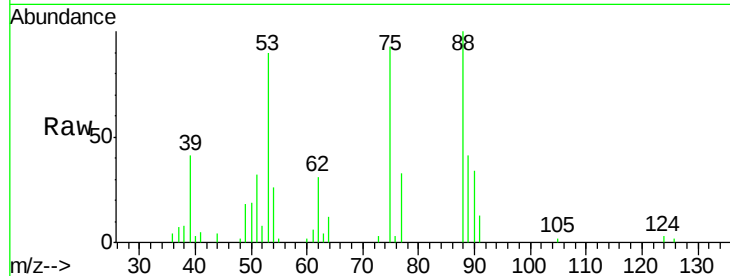
Tot Ion: 75 Resp: 23211

Ion Ratio Lower Upper

75 100

53 97.0 65.8 98.8

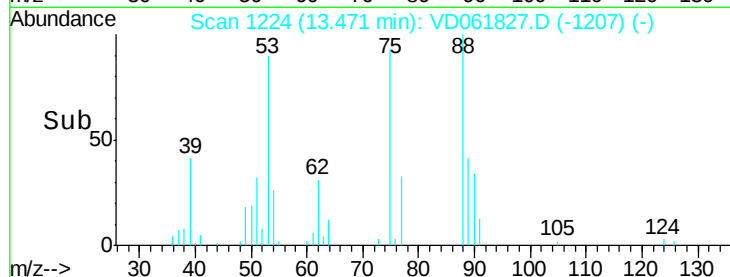
89 44.5 35.0 52.6



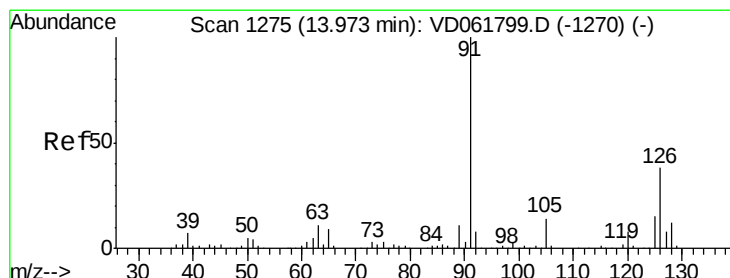
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



Time-->



#82

4-Chlorotoluene

Concen: 17.438 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VD061827.D

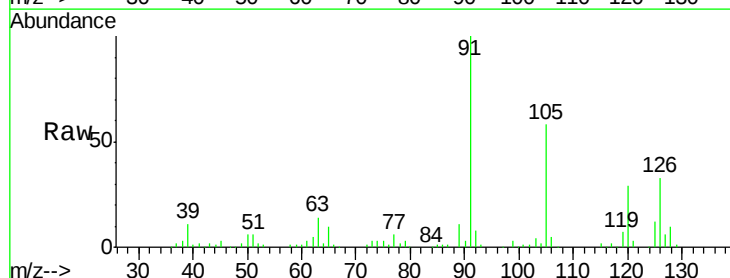
Acq: 17 Apr 2019 1:24

Tgt Ion: 91 Resp: 336241

Ion Ratio Lower Upper

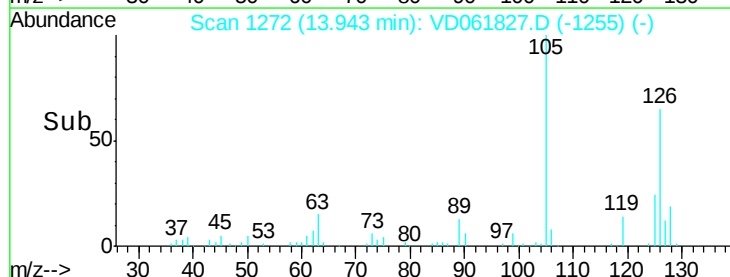
91 100

126 33.0 19.1 57.5

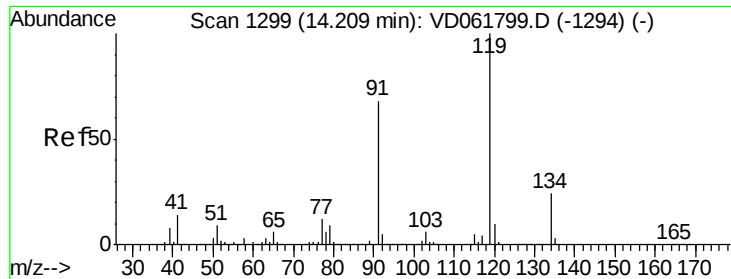


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



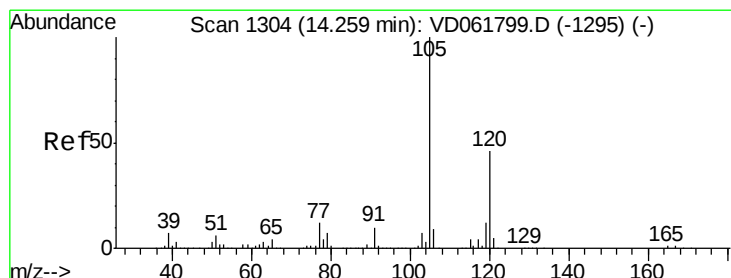
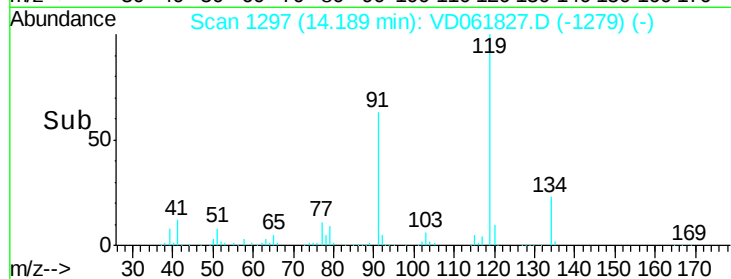
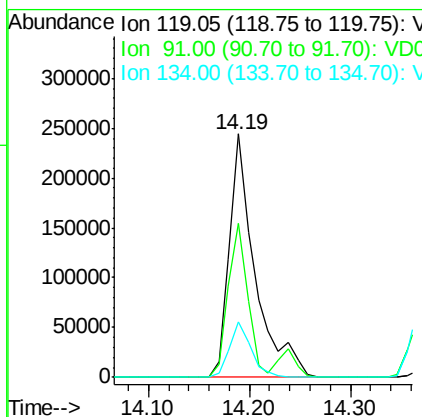
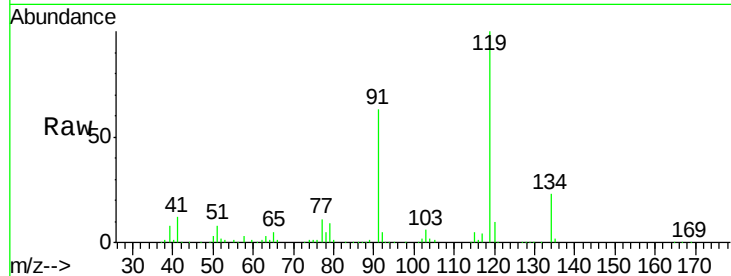
Time-->



#83
tert-Butylbenzene
Concen: 18.522 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.02 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

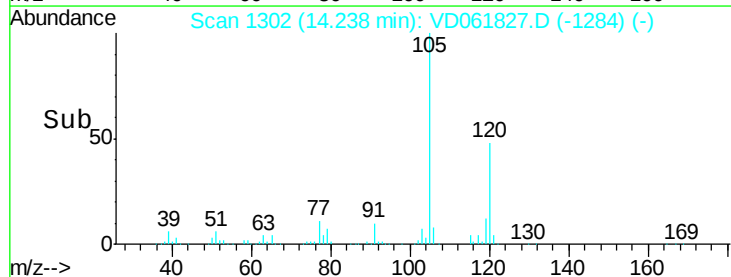
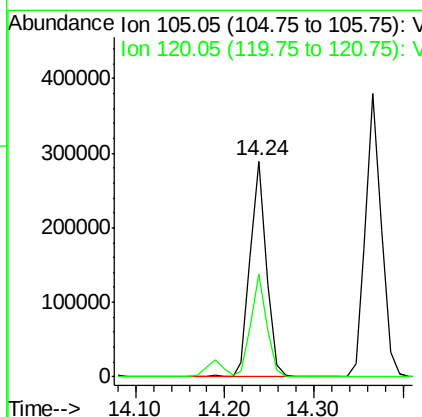
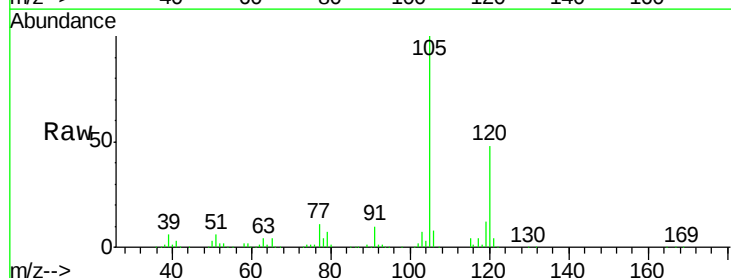
Instrument :
MSVOA_D
ClientSampled :

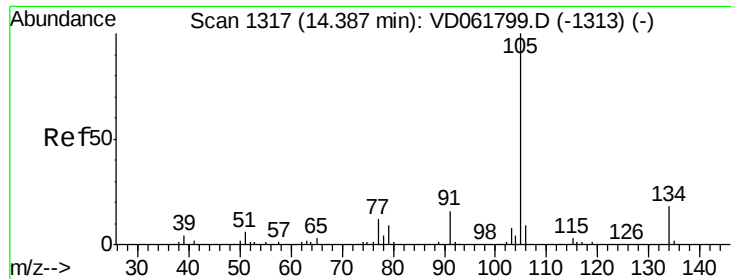
Tot Ion:119 Resp: 430701
Ion Ratio Lower Upper
119 100
91 63.1 34.2 102.6
134 22.9 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 18.394 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion:105 Resp: 366160
Ion Ratio Lower Upper
105 100
120 47.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.790 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

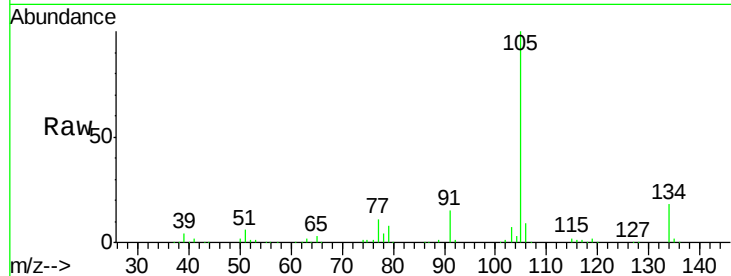
ClientSampleId :

Tot Ion:105 Resp: 475736

Ion Ratio Lower Upper

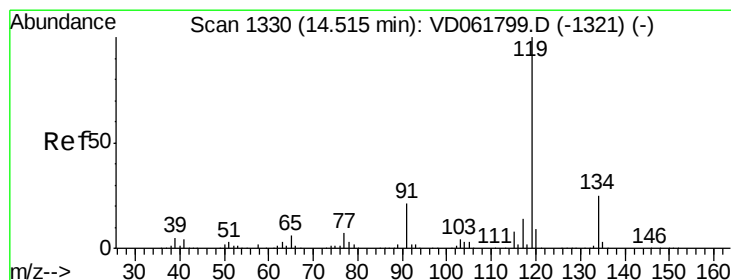
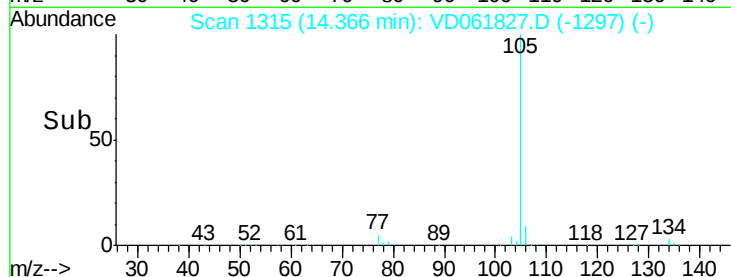
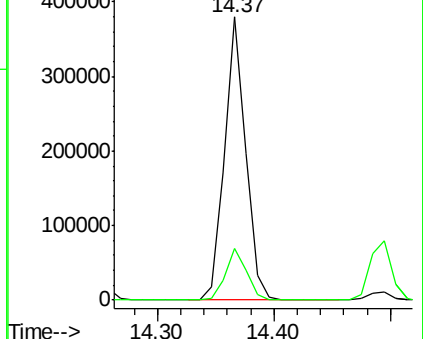
105 100

134 18.2 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.140 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

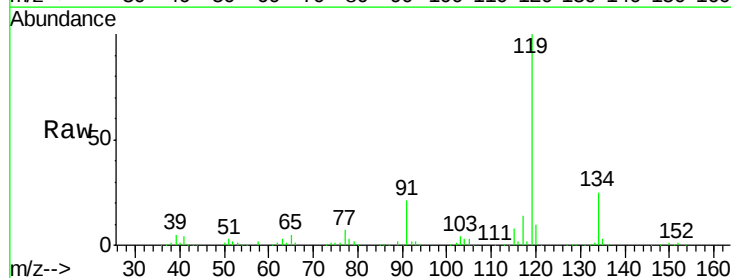
Tgt Ion:119 Resp: 430491

Ion Ratio Lower Upper

119 100

134 24.5 12.8 38.3

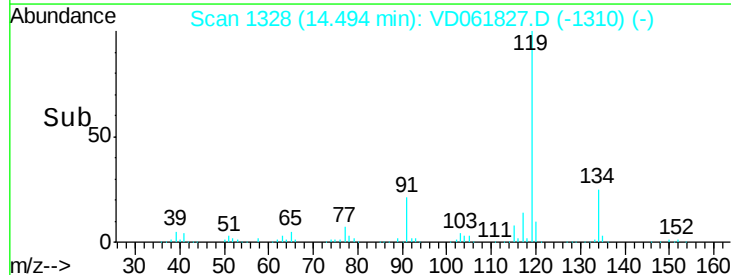
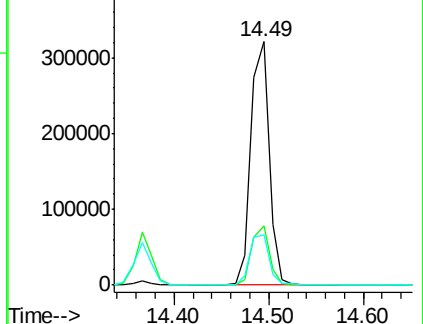
91 20.8 10.7 32.1

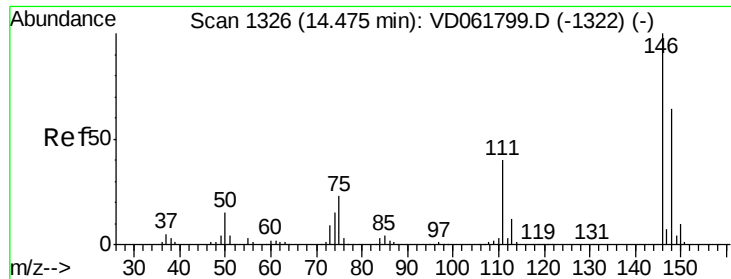


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

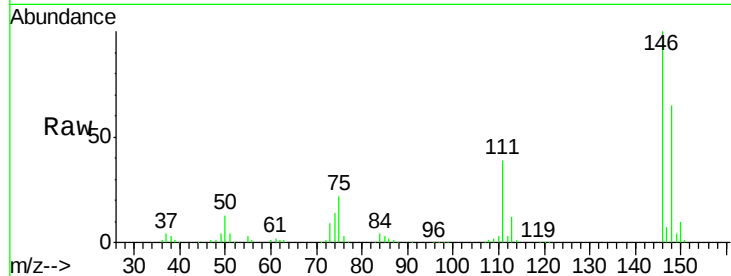




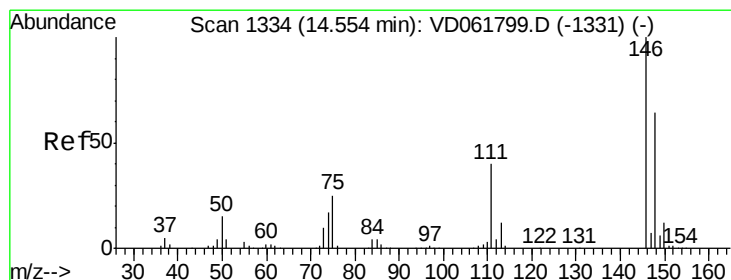
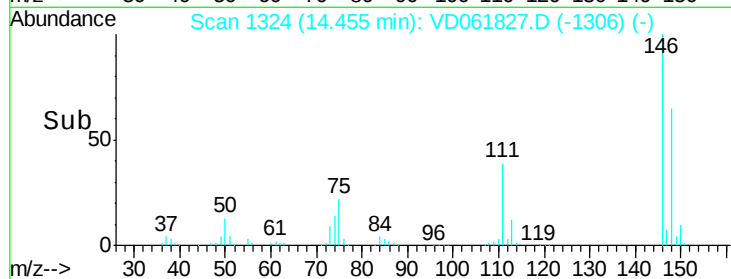
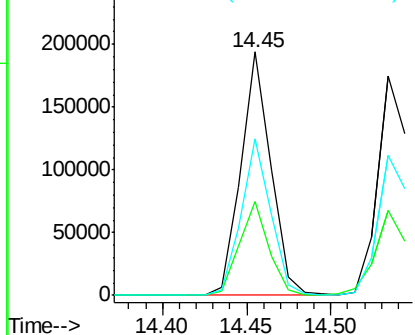
#87
 1,3-Dichlorobenzene
 Concen: 19.261 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 238404
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.0 60.0
 148 64.5 31.8 95.4

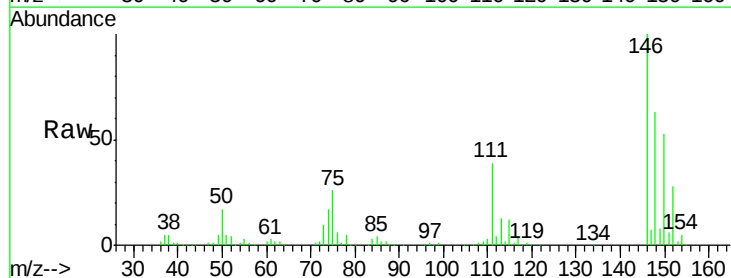


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

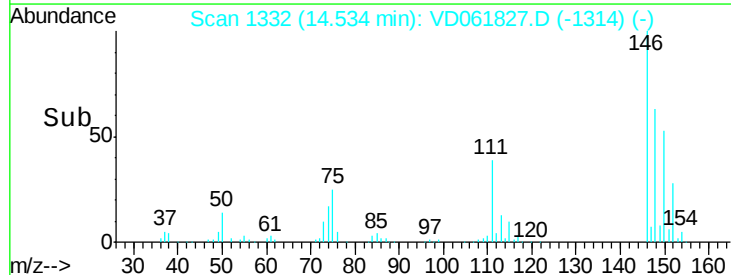
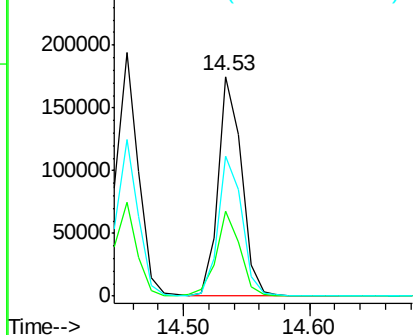


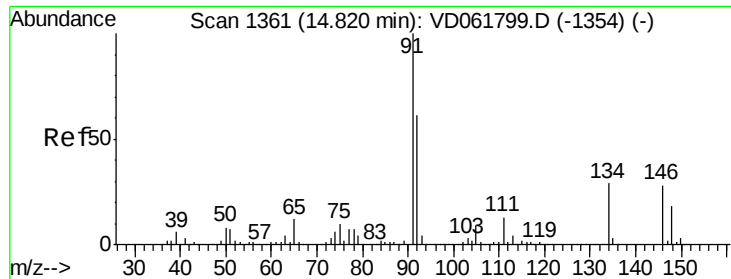
#88
 1,4-Dichlorobenzene
 Concen: 18.514 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion:146 Resp: 226515
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.2 60.5
 148 63.5 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.688 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD061827.D

Acq: 17 Apr 2019 1:24

Instrument :

MSVOA_D

ClientSampleId :

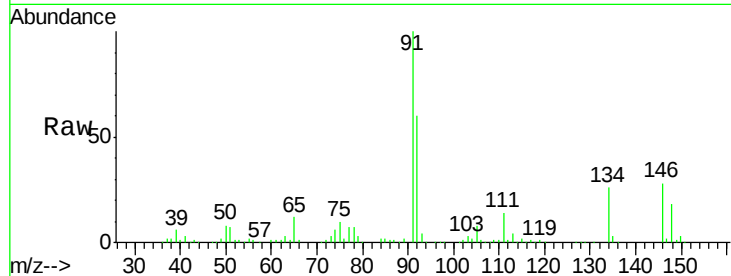
Tot Ion: 91 Resp: 391983

Ion Ratio Lower Upper

91 100

92 60.5 30.3 91.0

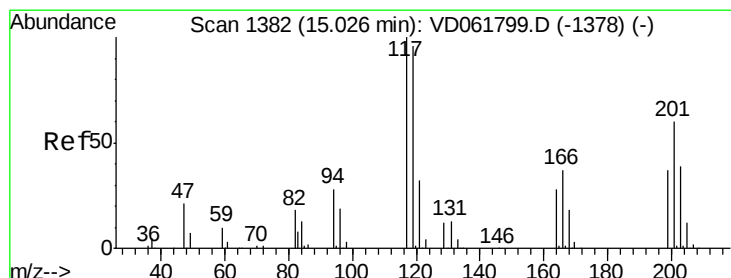
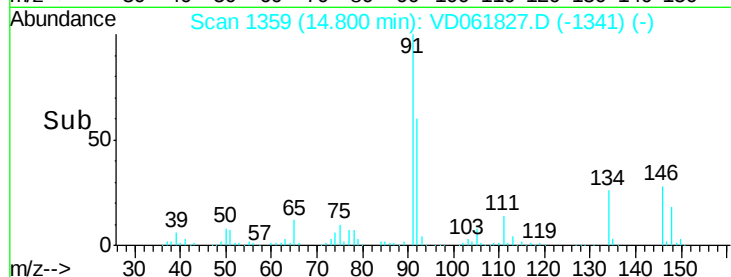
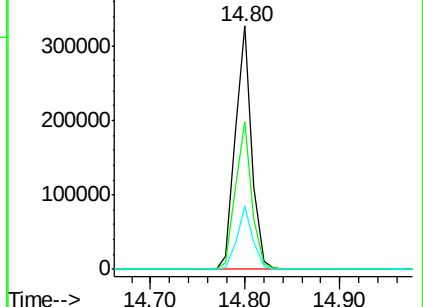
134 25.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.049 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD061827.D

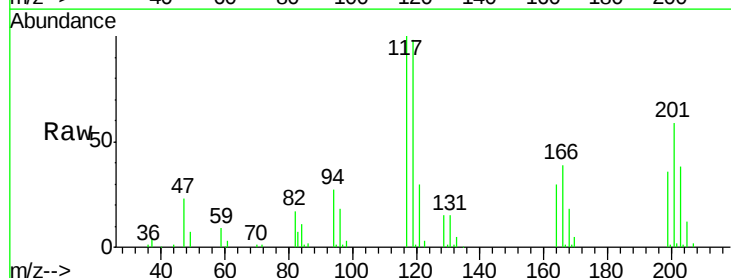
Acq: 17 Apr 2019 1:24

Tgt Ion: 117 Resp: 116780

Ion Ratio Lower Upper

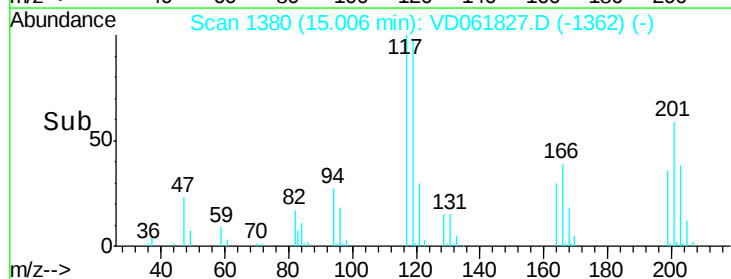
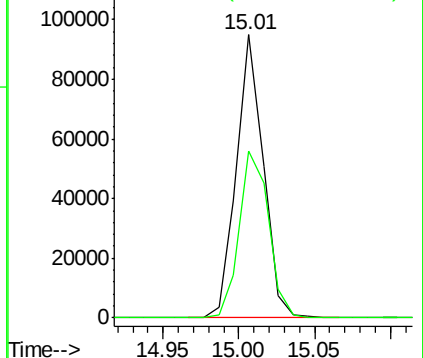
117 100

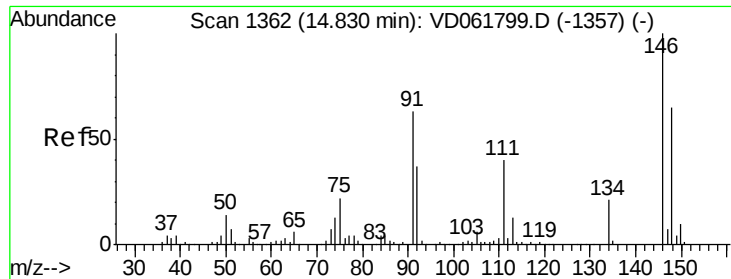
201 59.2 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

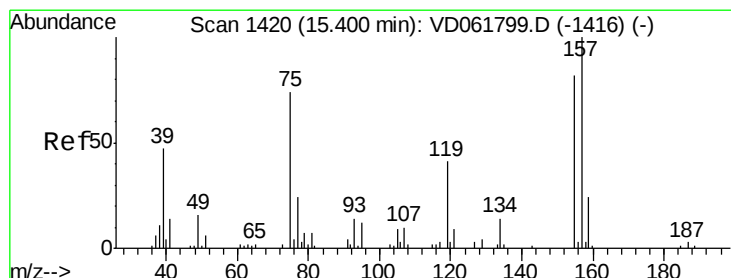
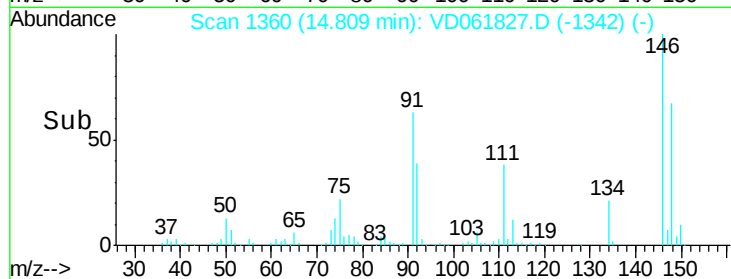
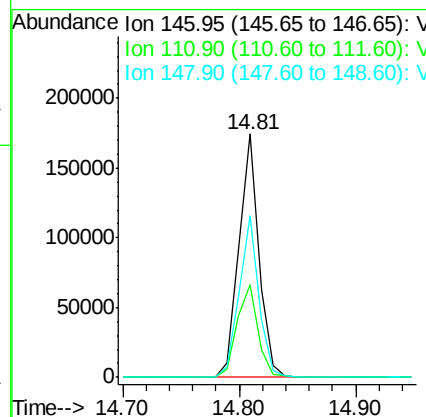
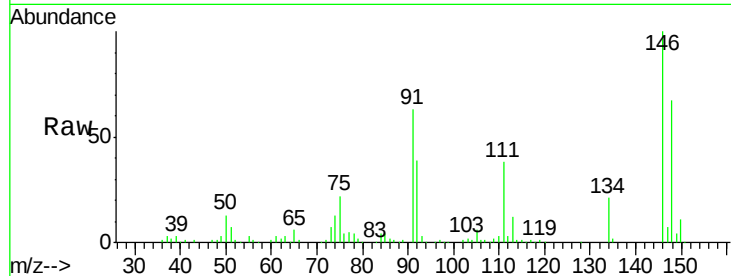




#91
 1,2-Dichlorobenzene
 Concen: 20.060 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

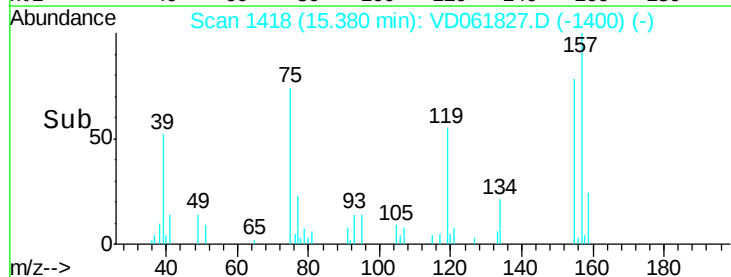
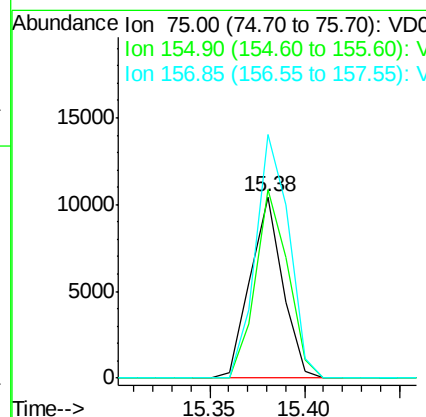
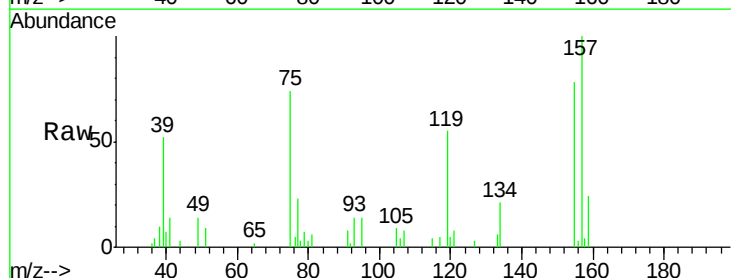
Instrument :
 MSVOA_D
 ClientSampled :

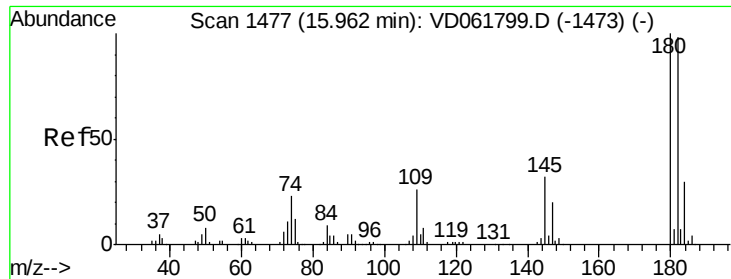
Tot Ion:146 Resp: 207973
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.0 59.9
 148 66.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.948 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion: 75 Resp: 12460
 Ion Ratio Lower Upper
 75 100
 155 104.3 55.3 165.8
 157 134.3 67.8 203.2

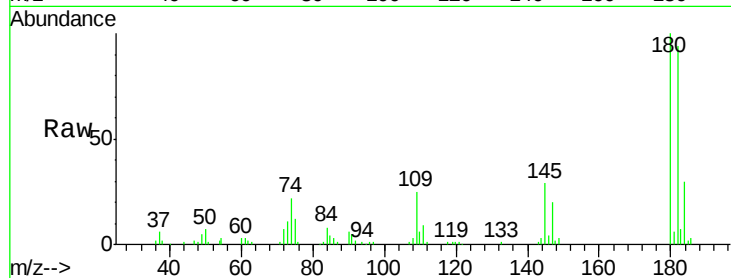




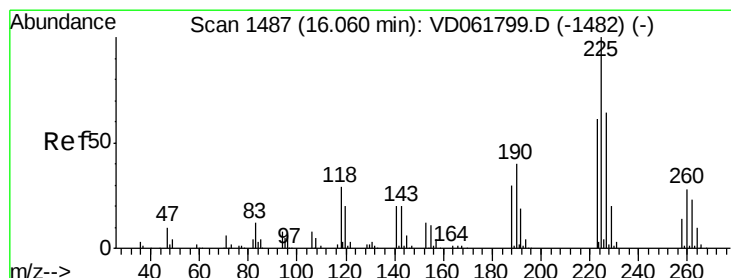
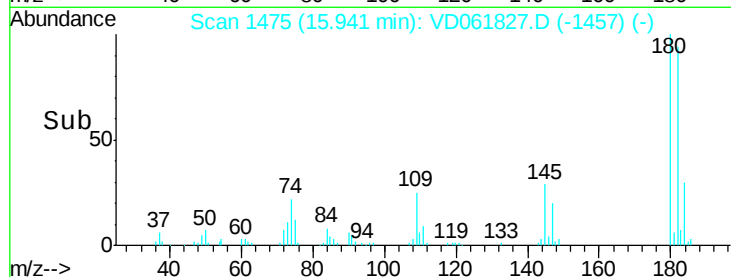
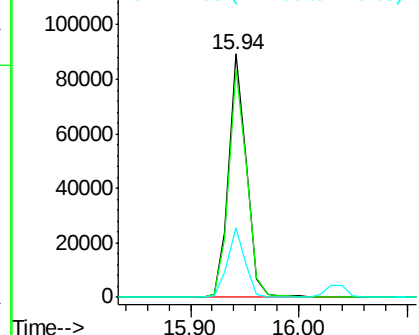
#93
 1,2,4-Trichlorobenzene
 Concen: 18.019 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 102605
 Ion Ratio Lower Upper
 180 100
 182 93.6 49.3 147.8
 145 28.5 16.2 48.6

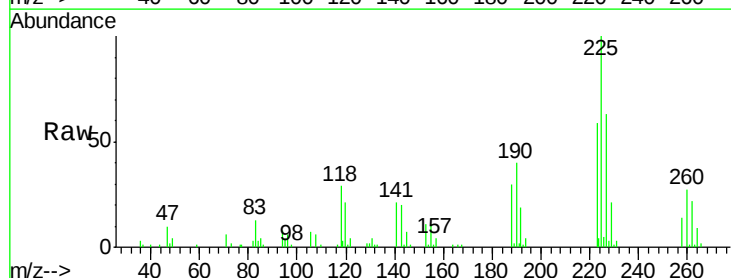


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

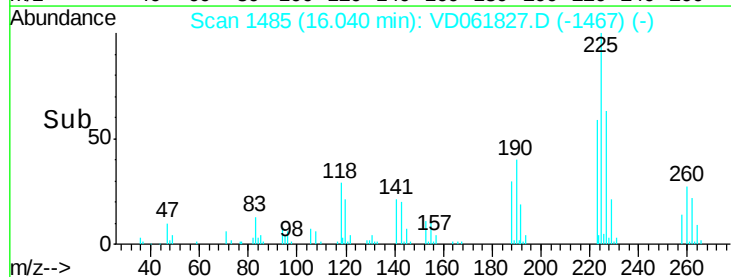
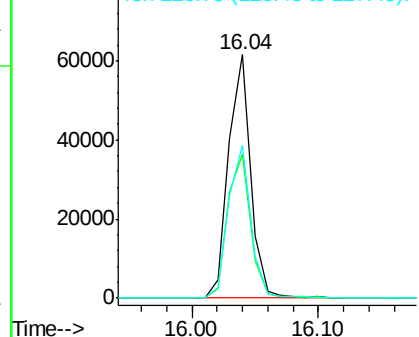


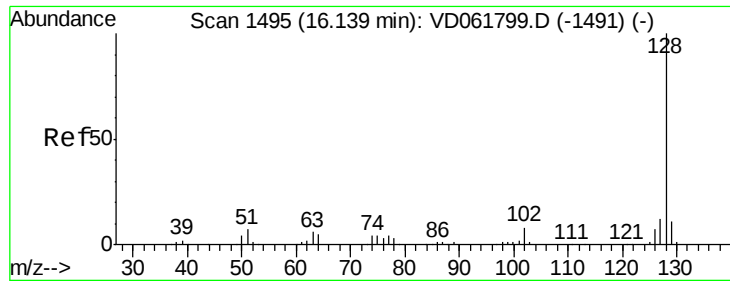
#94
 Hexachlorobutadiene
 Concen: 17.988 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: VD061827.D
 Acq: 17 Apr 2019 1:24

Tgt Ion:225 Resp: 74230
 Ion Ratio Lower Upper
 225 100
 223 58.9 30.6 92.0
 227 62.9 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

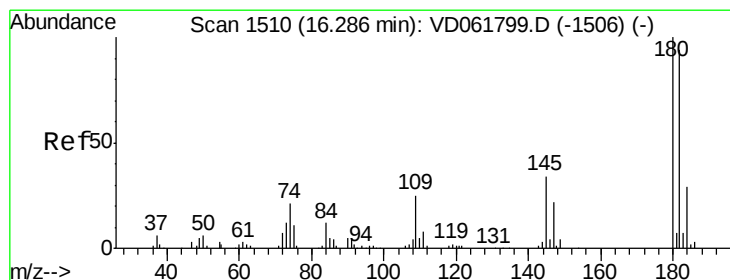
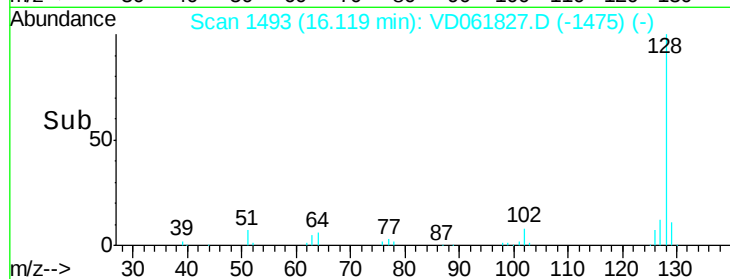
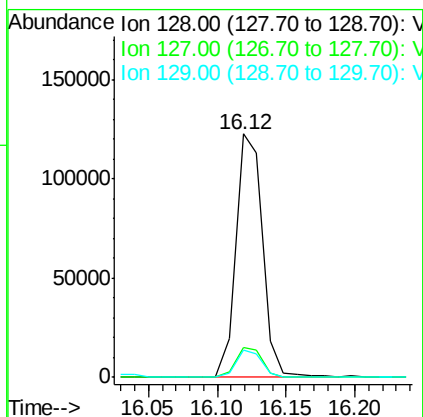
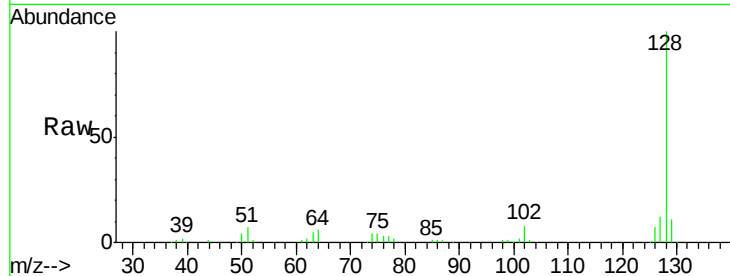




#95
Naphthalene
Concen: 18.946 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 165356
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.076 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.02 min
Lab File: VD061827.D
Acq: 17 Apr 2019 1:24

Tgt Ion:180 Resp: 61902
Ion Ratio Lower Upper
180 100
182 93.3 47.0 141.0
145 35.1 17.0 51.0

