

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061801.D
 Acq On : 15 Apr 2019 15:04
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 08:21:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	654258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1129825	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.39	117	904575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	377498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.50	65	553722	100.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.84%	
35) Dibromofluoromethane	6.97	113	789707	92.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.04%	
50) Toluene-d8	10.45	98	1895320	93.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.42%	
62) 4-Bromofluorobenzene	13.57	95	731177	89.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	673802	104.957	ug/l	97
3) Chloromethane	1.77	50	501448	98.019	ug/l	97
4) Vinyl Chloride	1.87	62	526038	103.593	ug/l	99
5) Bromomethane	2.17	94	107284	82.452	ug/l	97
6) Chloroethane	2.27	64	155565	89.796	ug/l	95
7) Trichlorofluoromethane	2.55	101	762065	92.724	ug/l	98
8) Diethyl Ether	2.90	74	225165	104.324	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.18	101	754697	102.849	ug/l	98
10) Methyl Iodide	3.34	142	1209432	122.225	ug/l	99
11) Tert butyl alcohol	4.11	59	199505	613.825	ug/l	99
12) 1,1-Dichloroethene	3.16	96	653442	105.865	ug/l	94
13) Acrolein	3.06	56	173115	549.781	ug/l	95
14) Allyl chloride	3.65	41	859337	102.120	ug/l	98
15) Acrylonitrile	4.24	53	544681	533.798	ug/l	97
16) Acetone	3.25	43	749553	551.722	ug/l	99
17) Carbon Disulfide	3.41	76	2074121	103.972	ug/l	99
18) Methyl Acetate	3.67	43	268301	98.478	ug/l	96
19) Methyl tert-butyl Ether	4.28	73	1195375	104.025	ug/l	97
20) Methylene Chloride	3.85	84	639584	78.016	ug/l	96
21) trans-1,2-Dichloroethene	4.26	96	666224	98.278	ug/l	97
22) Diisopropyl ether	5.17	45	1764990	98.290	ug/l	95
23) Vinyl Acetate	5.11	43	5120472	534.251	ug/l	100
24) 1,1-Dichloroethane	5.03	63	1105980	101.476	ug/l	98
25) 2-Butanone	6.12	43	824827	533.205	ug/l	97
26) 2,2-Dichloropropane	6.07	77	905817	96.055	ug/l	99
27) cis-1,2-Dichloroethene	6.08	96	708198	96.257	ug/l	99
28) Bromochloromethane	6.49	49	409385	98.789	ug/l	99
29) Tetrahydrofuran	6.51	42	415933	551.952	ug/l	98
30) Chloroform	6.71	83	1246214	102.434	ug/l	99
31) Cyclohexane	7.01	56	801983	96.047	ug/l	99
32) 1,1,1-Trichloroethane	6.92	97	1077285	99.894	ug/l	98
36) 1,1-Dichloropropene	7.20	75	901842	97.662	ug/l	99
37) Ethyl Acetate	6.23	43	420763	106.484	ug/l #	94
38) Carbon Tetrachloride	7.16	117	1139760	94.825	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.91	83	959460	100.075	ug/l	99
40) Benzene	7.50	78	2089307	94.248	ug/l	99
41) Methacrylonitrile	6.49	41	484927	103.829	ug/l #	94
42) 1,2-Dichloroethane	7.62	62	778846	100.892	ug/l	100
43) Isopropyl Acetate	9.27	43	608193	109.375	ug/l #	98
44) Trichloroethene	8.58	130	807738	94.663	ug/l	96
45) 1,2-Dichloropropane	8.98	63	583546	101.073	ug/l	98
46) Dibromomethane	9.11	93	421504	102.460	ug/l	93
47) Bromodichloromethane	9.41	83	945847	99.660	ug/l	98
48) Methyl methacrylate	9.15	41	335166	102.541	ug/l	97
49) 1,4-Dioxane	9.13	88	76323	2136.335	ug/l	99
51) 4-Methyl-2-Pentanone	10.35	43	1792277	527.061	ug/l	100
52) Toluene	10.54	92	1371249	96.539	ug/l	96
53) t-1,3-Dichloropropene	10.95	75	850461	99.448	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	938947	93.536	ug/l	99
55) 1,1,2-Trichloroethane	11.23	97	485631	101.464	ug/l	95
56) Ethyl methacrylate	11.07	69	558490	106.316	ug/l	99
57) 1,3-Dichloropropane	11.44	76	747401	103.869	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.90	63	1140969	456.643	ug/l	95
59) 2-Hexanone	11.57	43	1316624	521.303	ug/l	97
60) Dibromochloromethane	11.72	129	784184	100.132	ug/l	98
61) 1,2-Dibromoethane	11.84	107	595811	101.238	ug/l	99
64) Tetrachloroethene	11.29	164	638636	94.139	ug/l	97
65) Chlorobenzene	12.42	112	1538462	91.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.54	131	652266	92.393	ug/l	97
67) Ethyl Benzene	12.55	91	2326506	86.236	ug/l	100
68) m/p-Xylenes	12.70	106	1723012	170.026	ug/l	97
69) o-Xylene	13.07	106	901320	94.627	ug/l	98
70) Styrene	13.09	104	1475319	90.007	ug/l	97
71) Bromoform	13.26	173	474143	113.147	ug/l	99
73) Isopropylbenzene	13.43	105	2449973	100.072	ug/l	96
74) N-amyl acetate	13.29	43	769372	116.867	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	551482	113.960	ug/l	100
76) 1,2,3-Trichloropropane	13.75	75	511895	103.256	ug/l	99
77) Bromobenzene	13.69	156	706056	101.526	ug/l	92
78) n-propylbenzene	13.79	91	2569572	90.844	ug/l	99
79) 2-Chlorotoluene	13.86	91	1754447	106.808	ug/l	99
80) 1,3,5-Trimethylbenzene	13.96	105	1800793	92.702	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.50	75	164342	116.369	ug/l	98
82) 4-Chlorotoluene	13.97	91	1743616	92.191	ug/l	96
83) tert-Butylbenzene	14.21	119	2247595	98.539	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	1783580	91.342	ug/l	99
85) sec-Butylbenzene	14.39	105	2380948	100.976	ug/l	95
86) p-Isopropyltoluene	14.51	119	2121762	96.173	ug/l	98
87) 1,3-Dichlorobenzene	14.48	146	1234509	101.683	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	1131760	94.303	ug/l	96
89) n-Butylbenzene	14.82	91	1622957	83.106	ug/l	97
90) Hexachloroethane	15.02	117	590450	98.192	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	891340	87.647	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.40	75	90071	134.417	ug/l	85

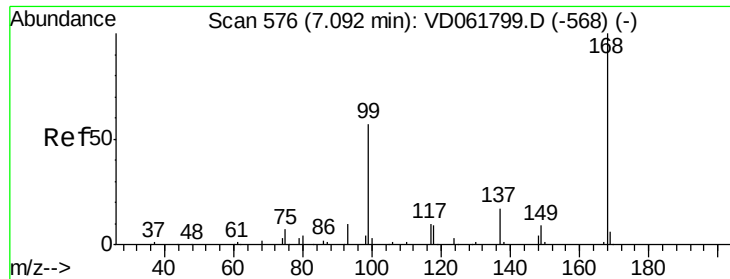
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	576576	103.227	ug/l	97
94) Hexachlorobutadiene	16.06	225	392861	97.057	ug/l	99
95) Naphthalene	16.14	128	887630	103.682	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	292606	91.928	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

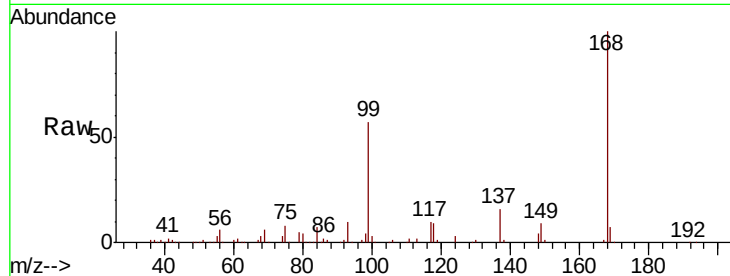
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 654258

Ion Ratio Lower Upper

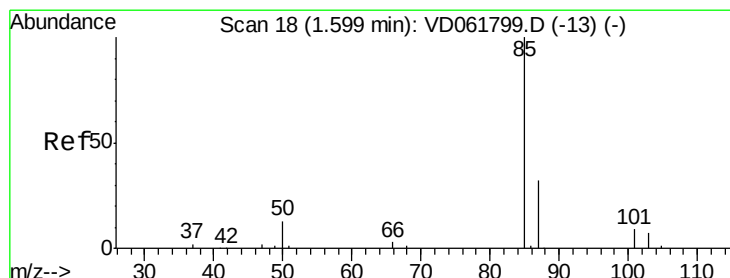
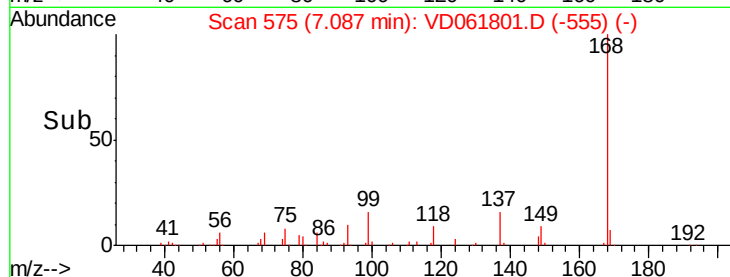
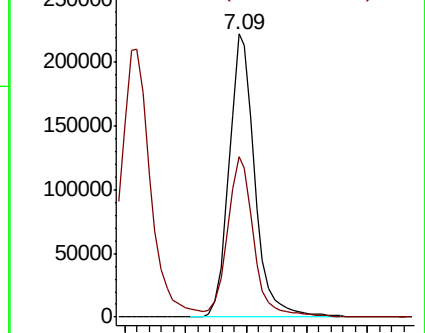
168 100

99 56.7 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: 104.957 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061801.D

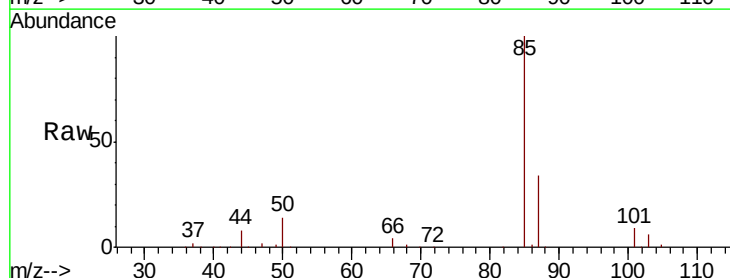
Acq: 15 Apr 2019 15:04

Tgt Ion: 85 Resp: 673802

Ion Ratio Lower Upper

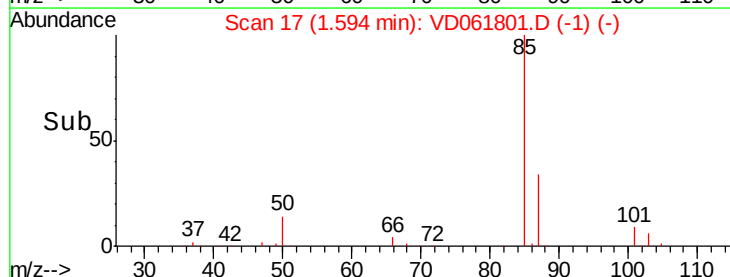
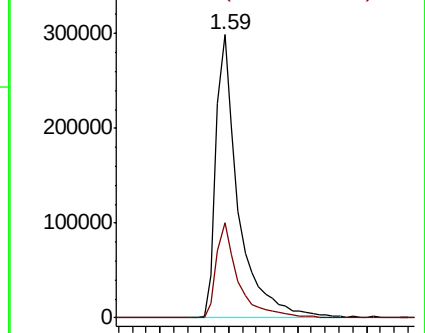
85 100

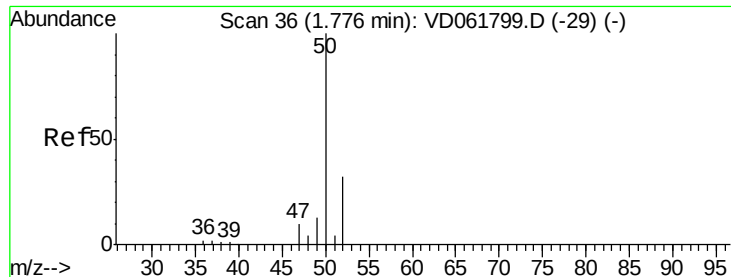
87 33.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 98.019 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

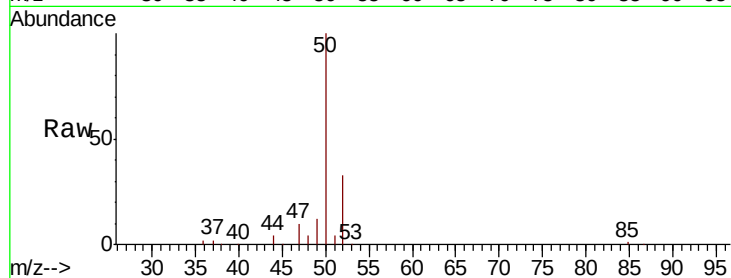
ClientSampleId :

Tot Ion: 50 Resp: 501448

Ion Ratio Lower Upper

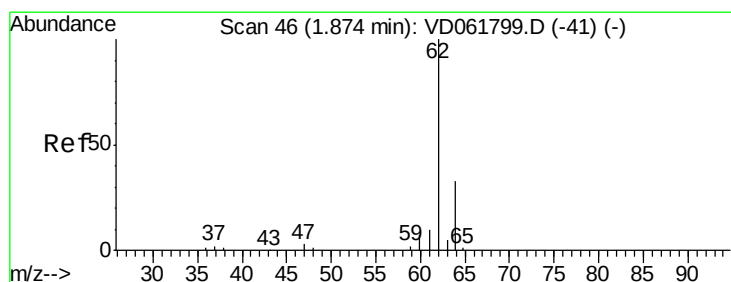
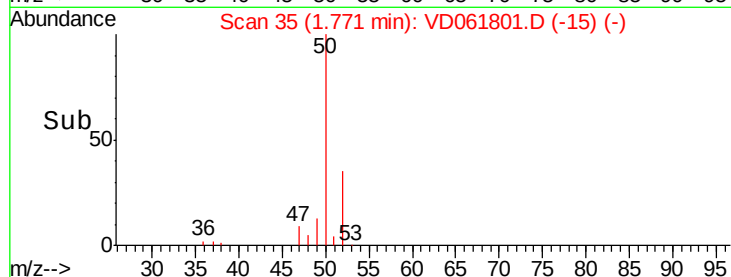
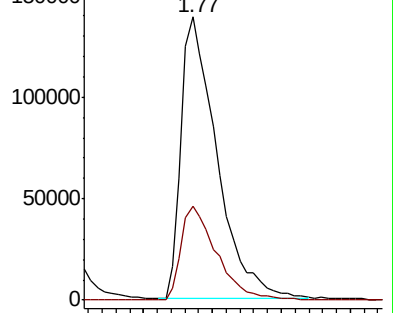
50 100

52 33.2 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: 103.593 ug/l

RT: 1.87 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061801.D

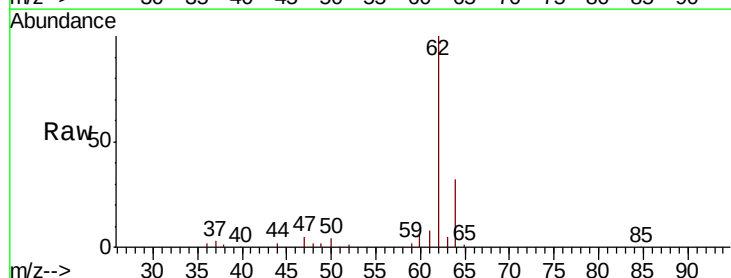
Acq: 15 Apr 2019 15:04

Tgt Ion: 62 Resp: 526038

Ion Ratio Lower Upper

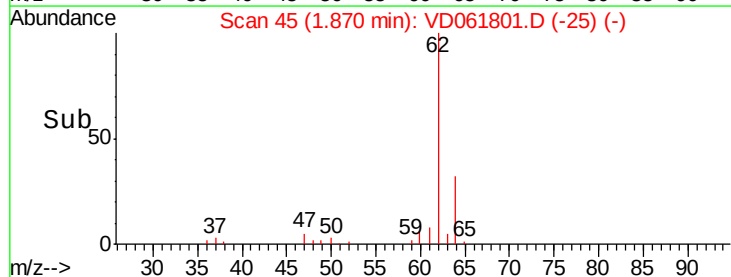
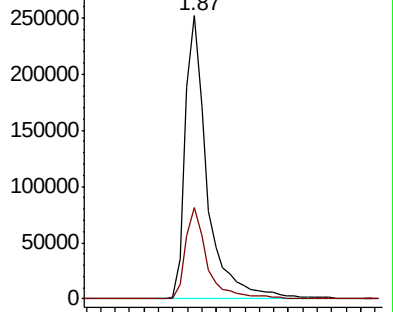
62 100

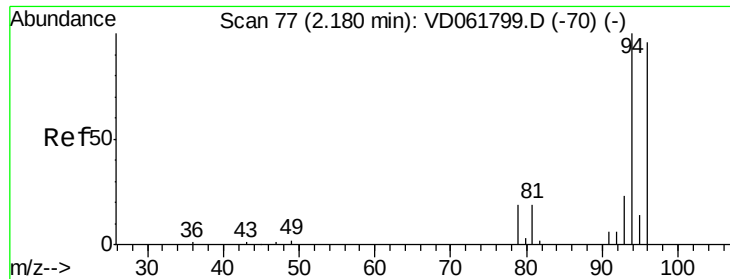
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

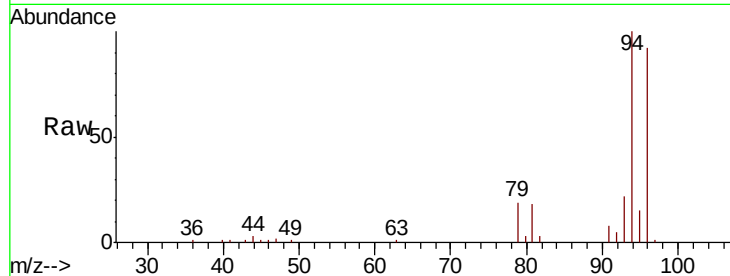




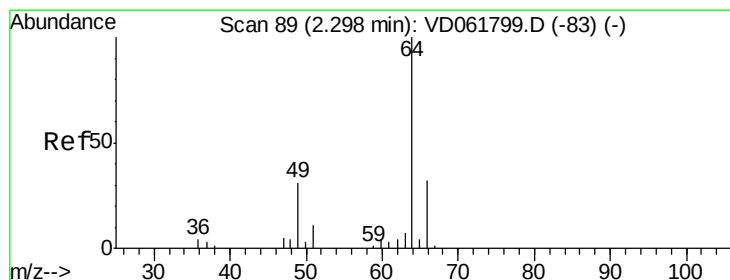
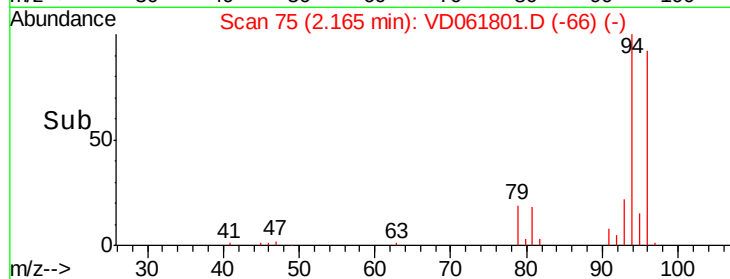
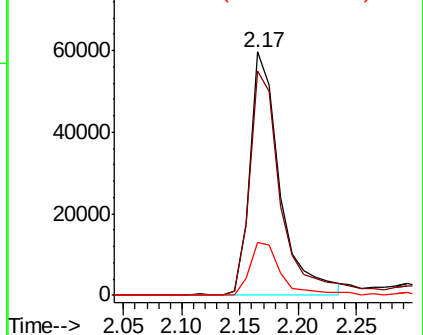
#5
Bromomethane
Concen: 82.452 ug/l
RT: 2.17 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 107284
Ion Ratio Lower Upper
94 100
96 92.2 76.6 115.0
93 22.0 18.5 27.7

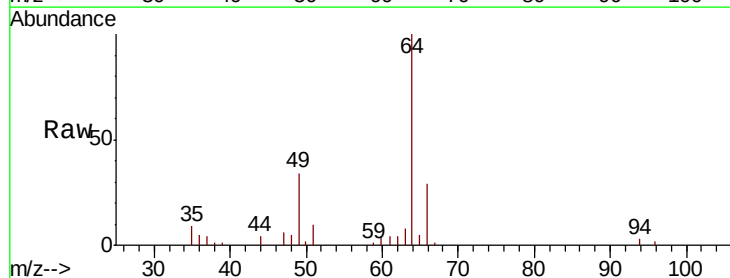


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

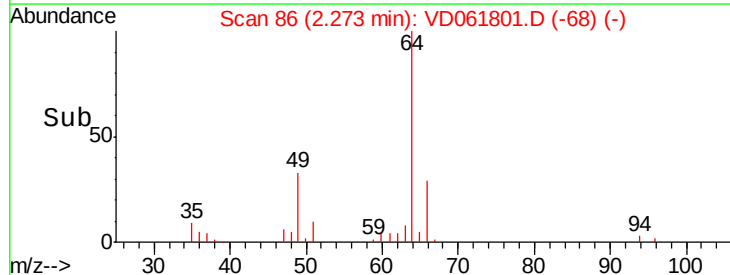
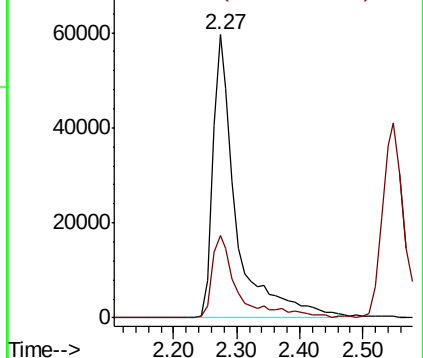


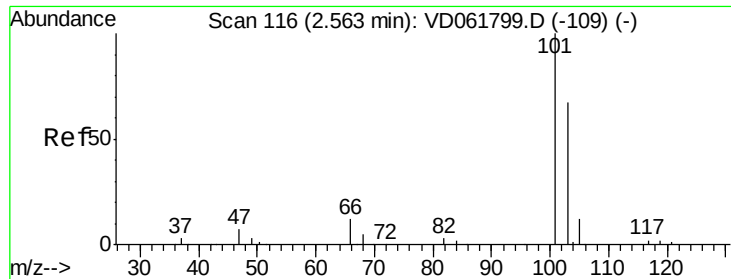
#6
Chloroethane
Concen: 89.796 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.02 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 64 Resp: 155565
Ion Ratio Lower Upper
64 100
66 29.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



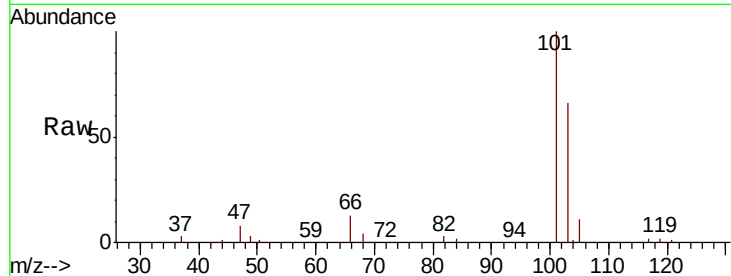


#7

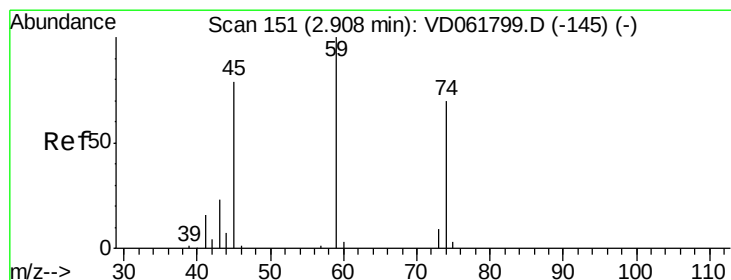
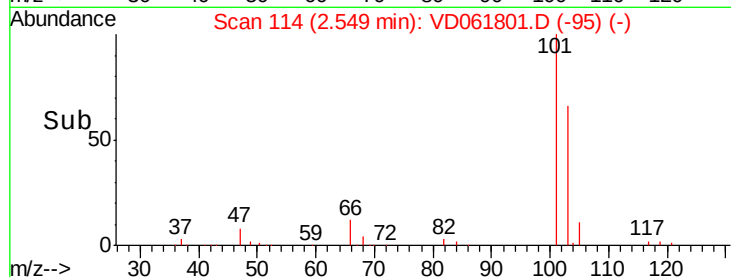
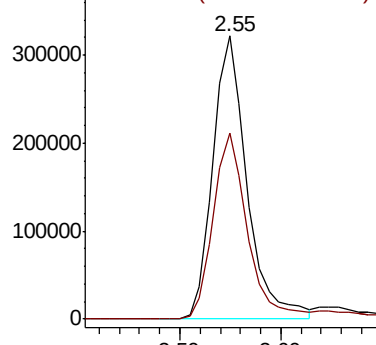
Trichlorofluoromethane
Concen: 92.724 ug/l
RT: 2.55 min Scan# 114
Delta R.T. -0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 762065
Ion Ratio Lower Upper
101 100
103 65.7 53.6 80.4



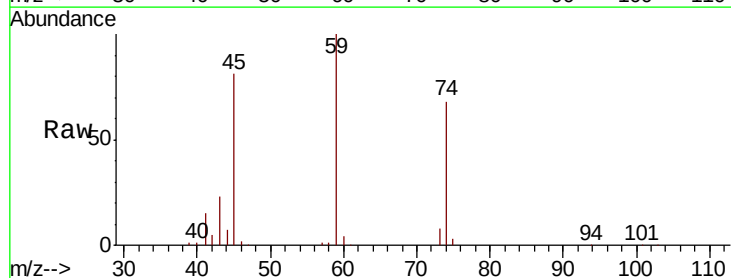
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



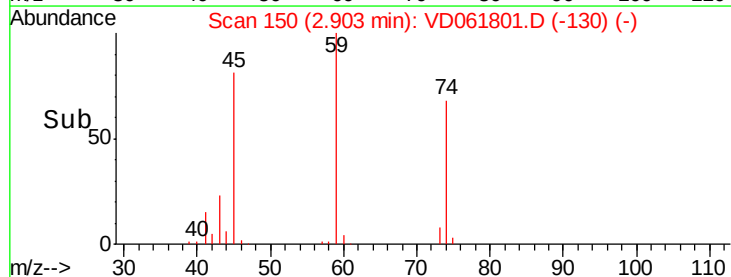
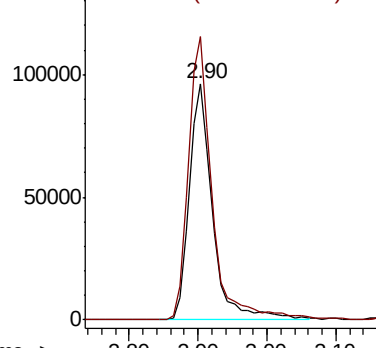
#8

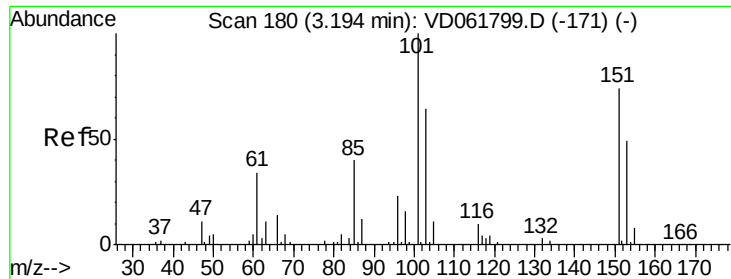
Diethyl Ether
Concen: 104.324 ug/l
RT: 2.90 min Scan# 150
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 74 Resp: 225165
Ion Ratio Lower Upper
74 100
45 119.7 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.849 ug/l

RT: 3.18 min Scan# 178

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampled :

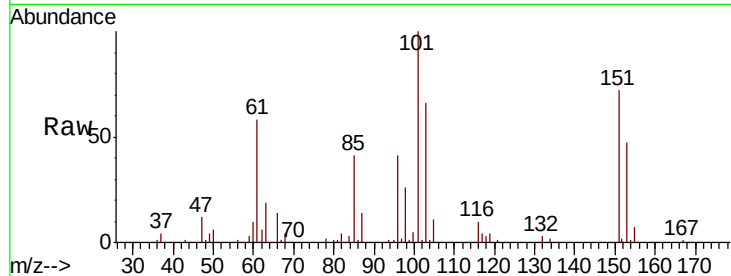
Tot Ion:101 Resp: 754697

Ion Ratio Lower Upper

101 100

85 41.1 32.4 48.6

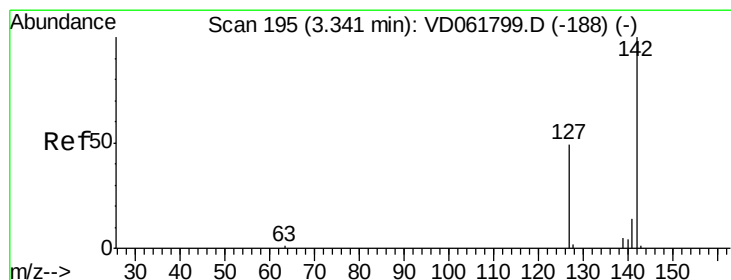
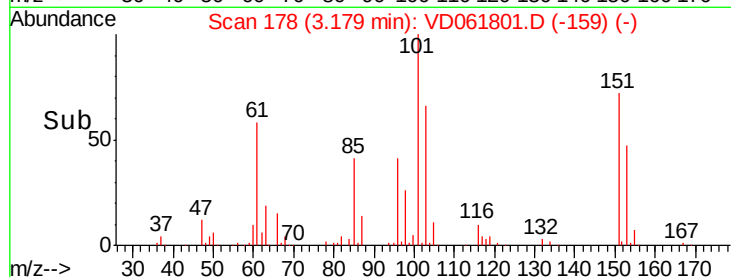
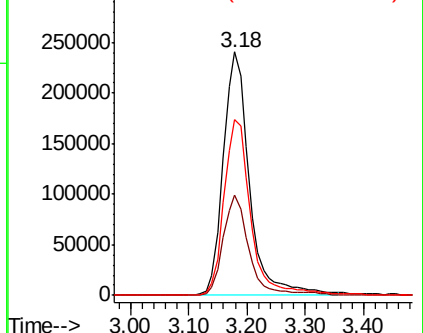
151 72.3 59.4 89.0



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: 122.225 ug/l

RT: 3.34 min Scan# 194

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

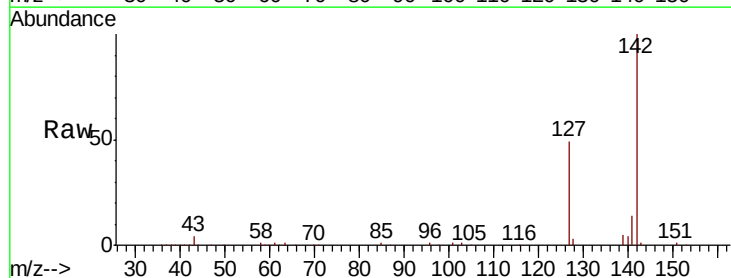
Tgt Ion:142 Resp: 1209432

Ion Ratio Lower Upper

142 100

127 48.9 38.8 58.2

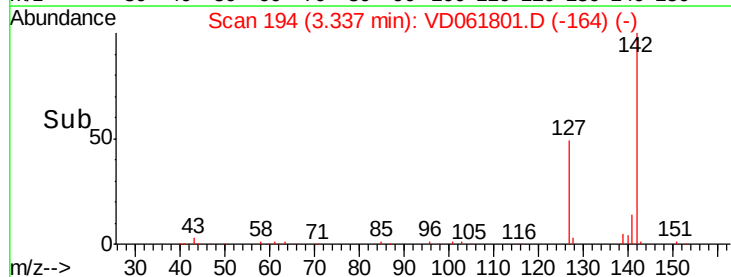
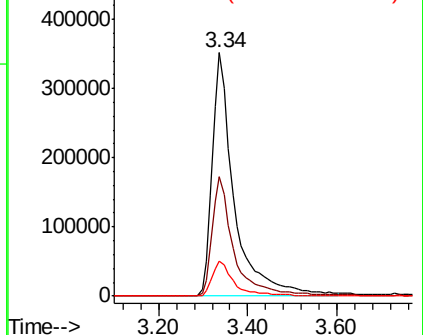
141 14.4 11.4 17.0

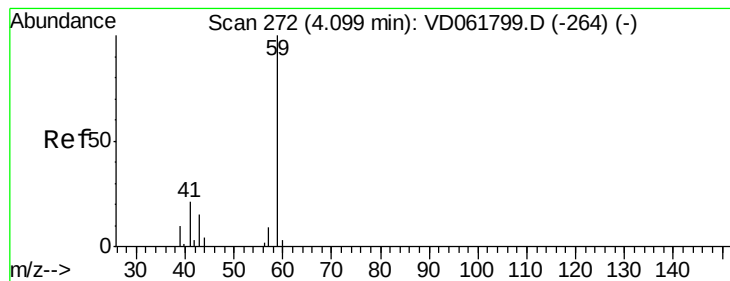


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



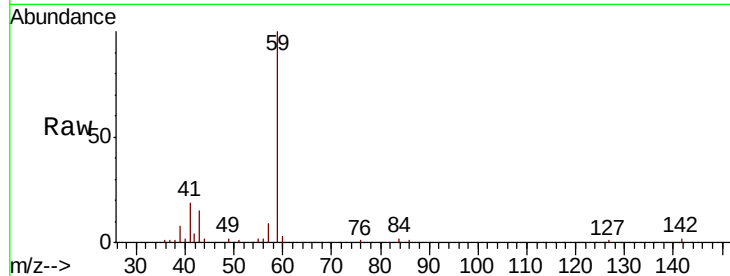


#11

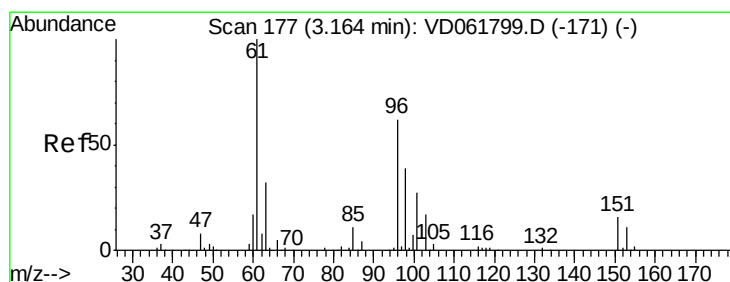
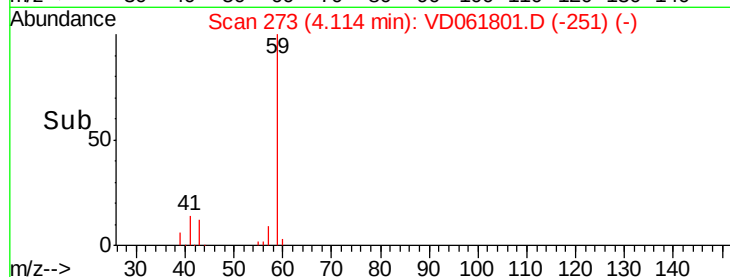
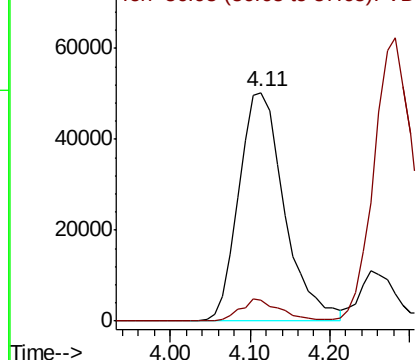
Tert butyl alcohol
Concen: 613.825 ug/l
RT: 4.11 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 199505
Ion Ratio Lower Upper
59 100
57 8.9 6.9 10.3



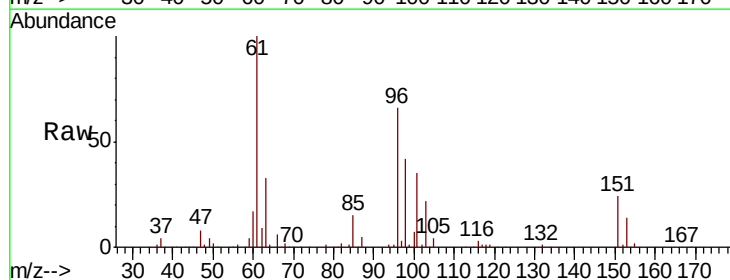
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



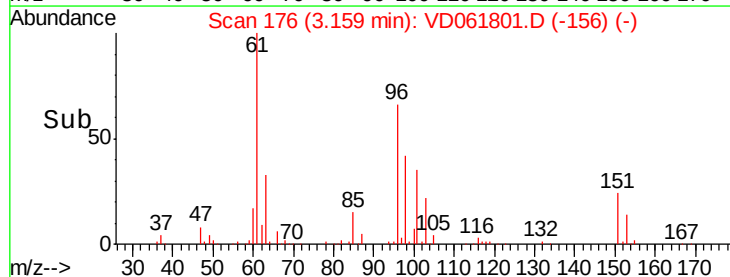
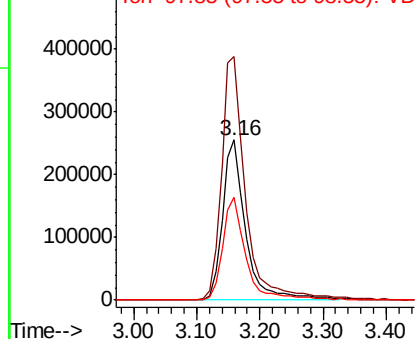
#12

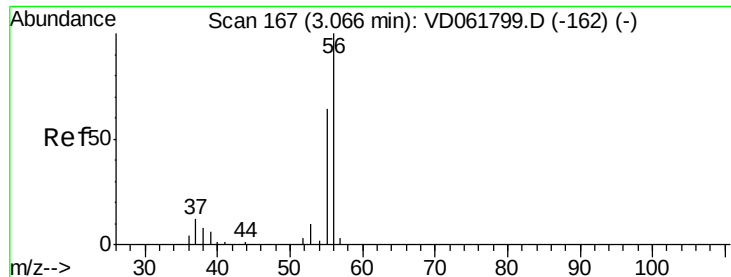
1,1-Dichloroethene
Concen: 105.865 ug/l
RT: 3.16 min Scan# 176
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 96 Resp: 653442
Ion Ratio Lower Upper
96 100
61 151.9 129.8 194.8
98 64.3 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: 549.781 ug/l

RT: 3.06 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

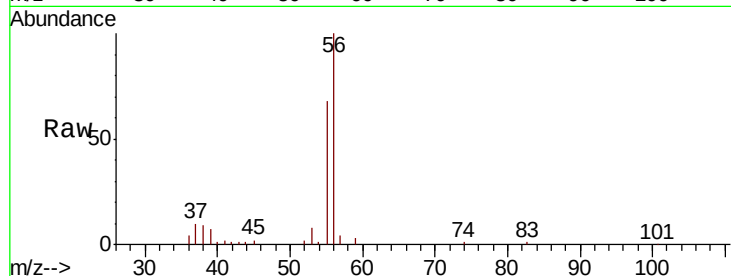
ClientSampleId :

Tot Ion: 56 Resp: 173115

Ion Ratio Lower Upper

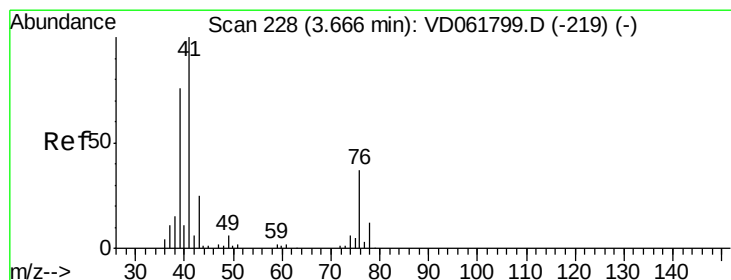
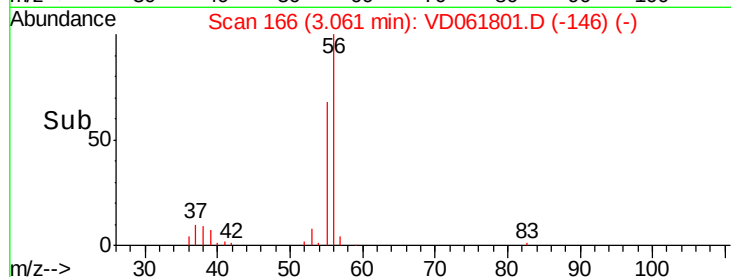
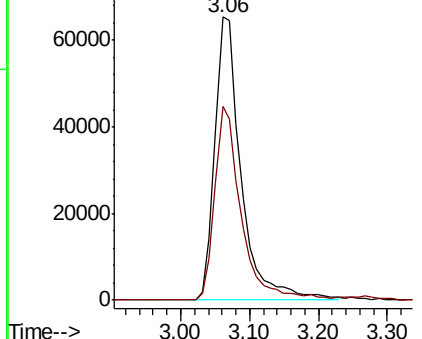
56 100

55 68.5 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: 102.120 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

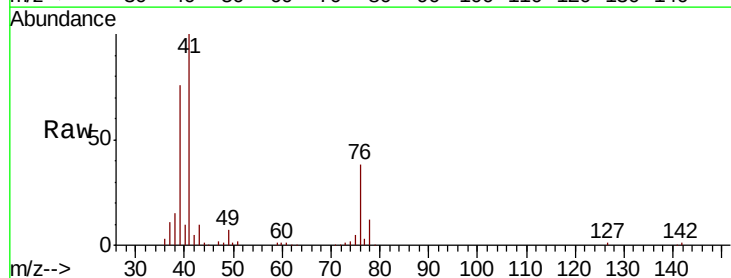
Tgt Ion: 41 Resp: 859337

Ion Ratio Lower Upper

41 100

39 76.0 60.5 90.7

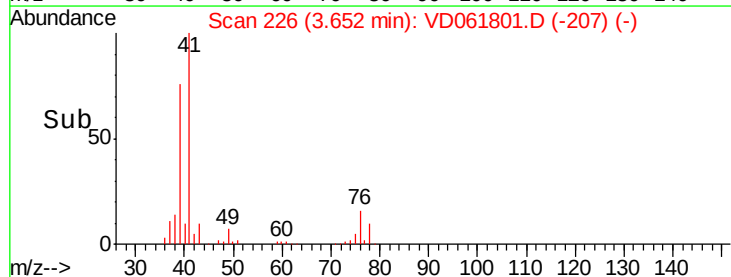
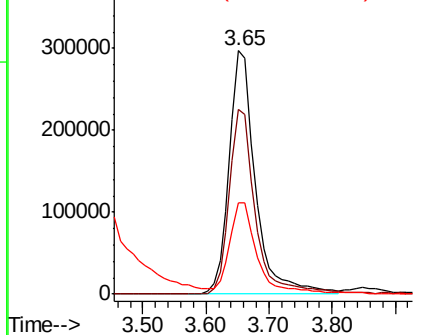
76 37.5 31.8 47.8

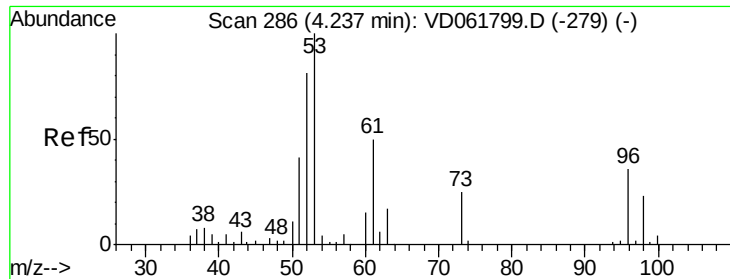


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 533.798 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampled :

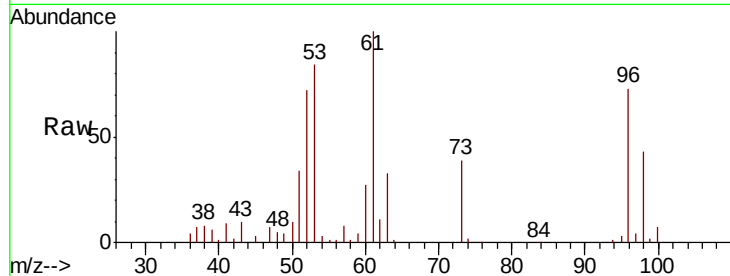
Tot Ion: 53 Resp: 544681

Ion Ratio Lower Upper

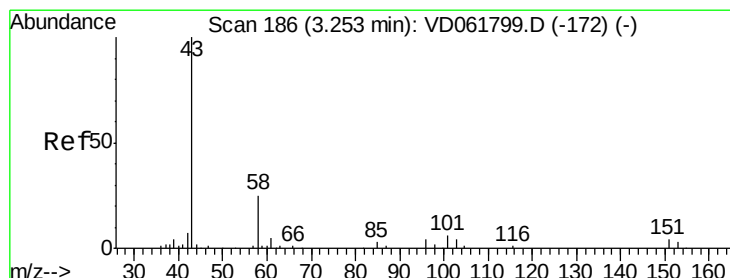
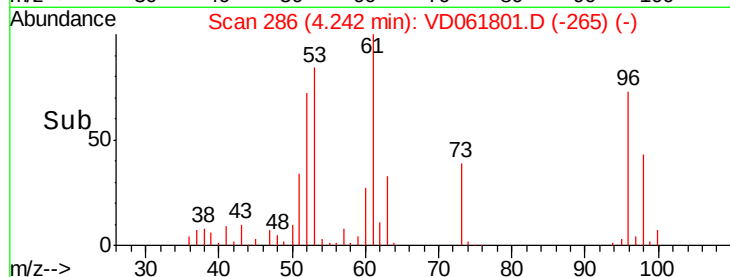
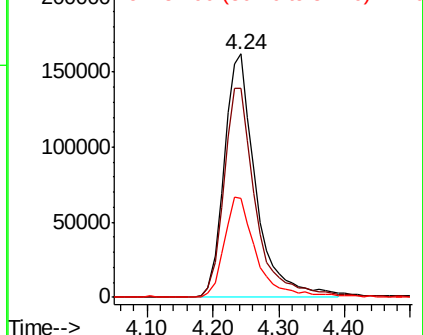
53 100

52 85.7 65.0 97.4

51 40.9 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: 551.722 ug/l

RT: 3.25 min Scan# 185

Delta R.T. -0.00 min

Lab File: VD061801.D

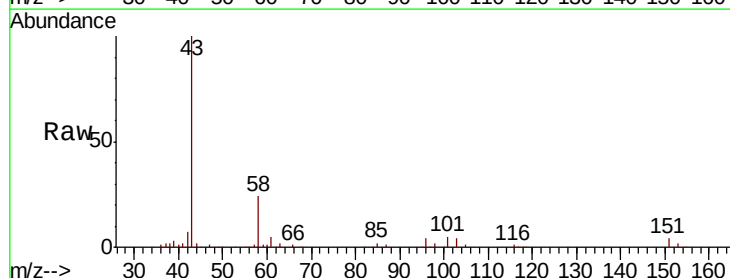
Acq: 15 Apr 2019 15:04

Tgt Ion: 43 Resp: 749553

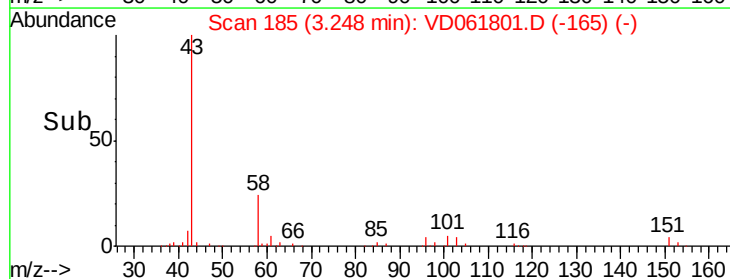
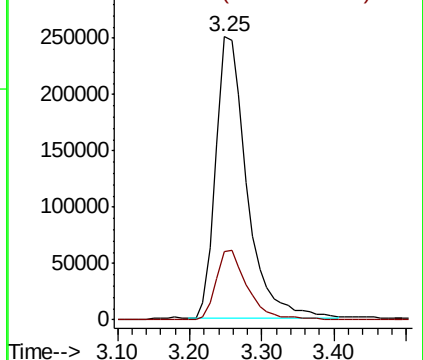
Ion Ratio Lower Upper

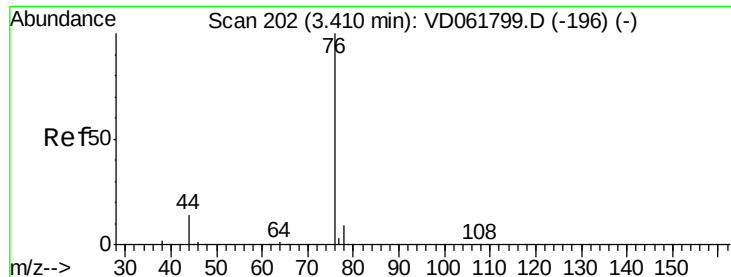
43 100

58 24.3 19.9 29.9



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

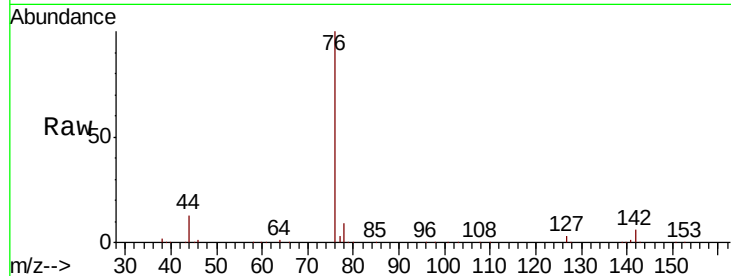




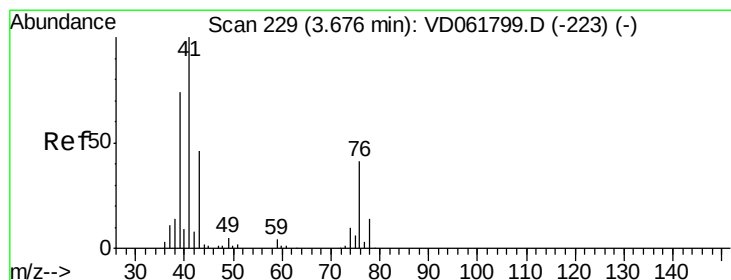
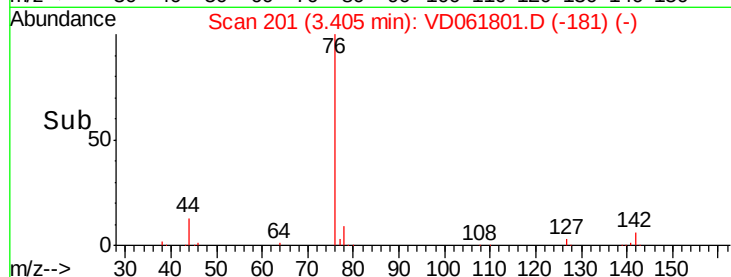
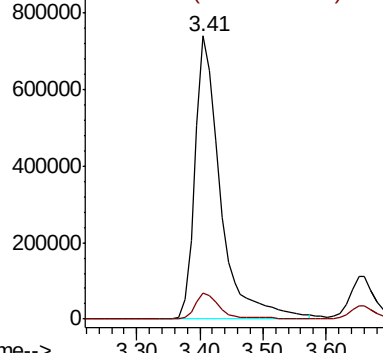
#17
Carbon Disulfide
Concen: 103.972 ug/l
RT: 3.41 min Scan# 201
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 2074121
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

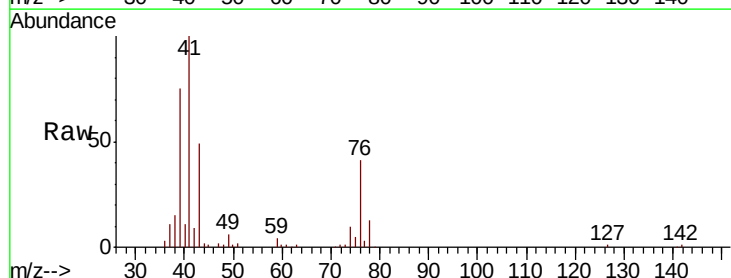


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

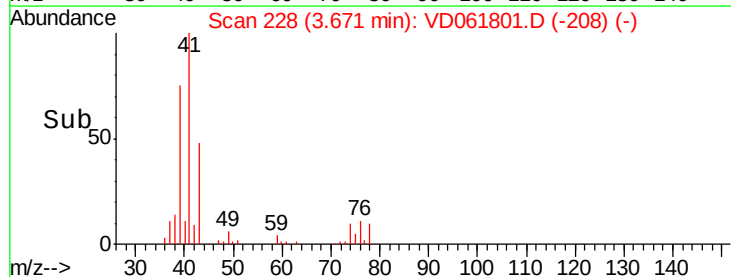
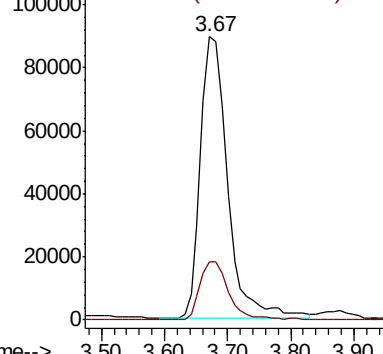


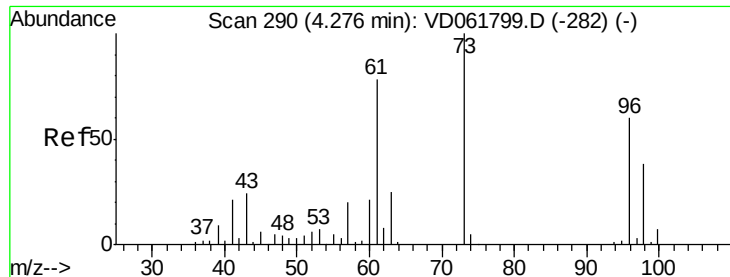
#18
Methyl Acetate
Concen: 98.478 ug/l
RT: 3.67 min Scan# 228
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 43 Resp: 268301
Ion Ratio Lower Upper
43 100
74 20.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

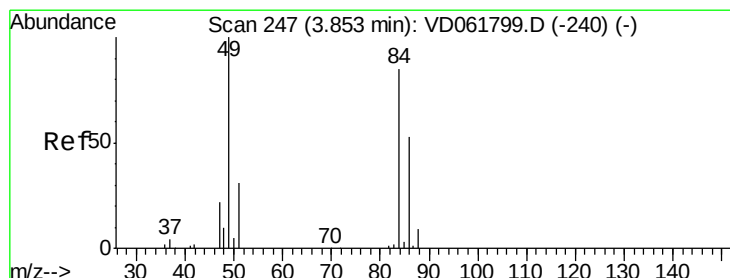
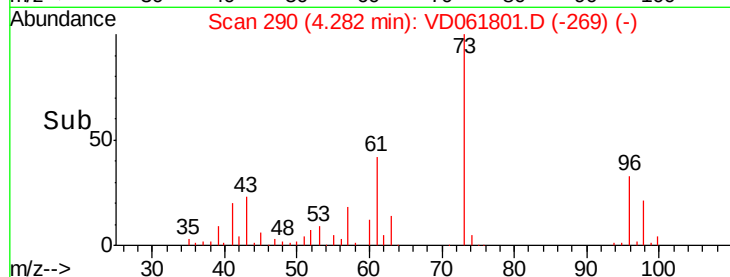
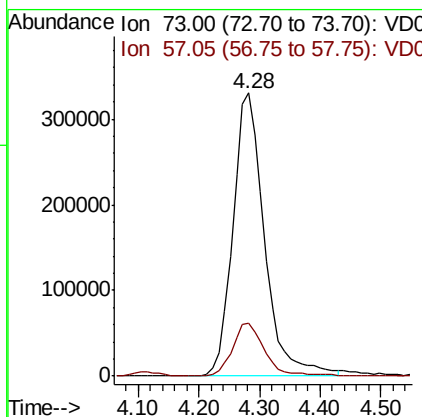
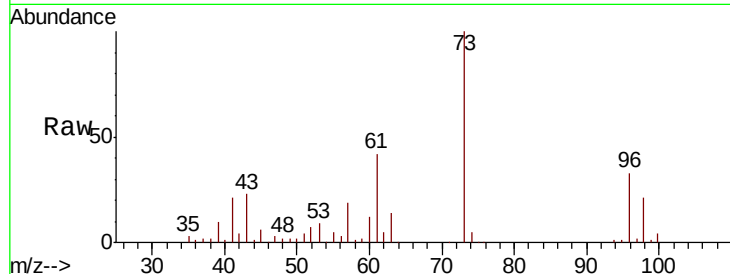




#19
Methyl tert-butyl Ether
Concen: 104.025 ug/l
RT: 4.28 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

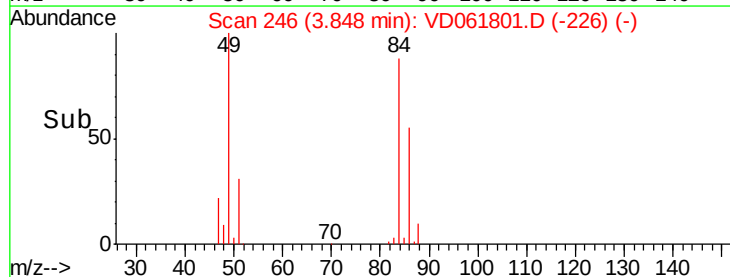
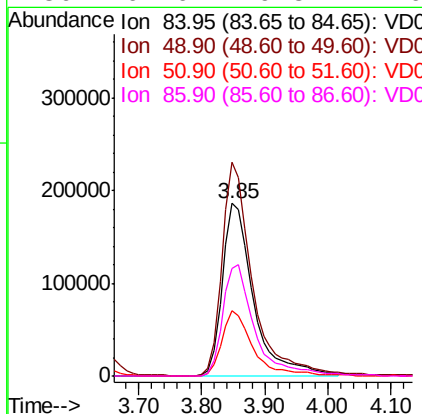
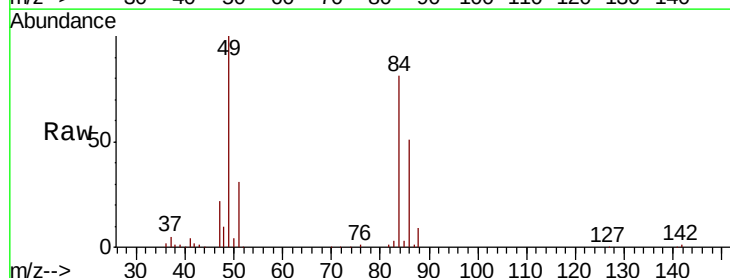
Instrument :
MSVOA_D
ClientSampleId :

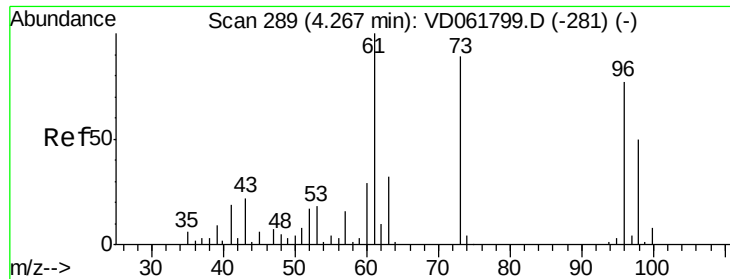
Tot Ion: 73 Resp: 1195375
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5



#20
Methylene Chloride
Concen: 78.016 ug/l
RT: 3.85 min Scan# 246
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 84 Resp: 639584
Ion Ratio Lower Upper
84 100
49 123.7 94.0 141.0
51 37.7 29.0 43.4
86 62.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 98.278 ug/l

RT: 4.26 min Scan# 288

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

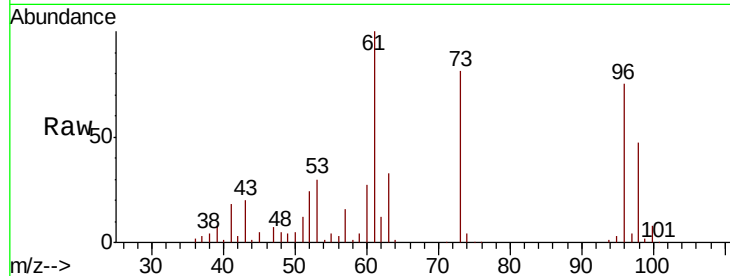
Tot Ion: 96 Resp: 666224

Ion Ratio Lower Upper

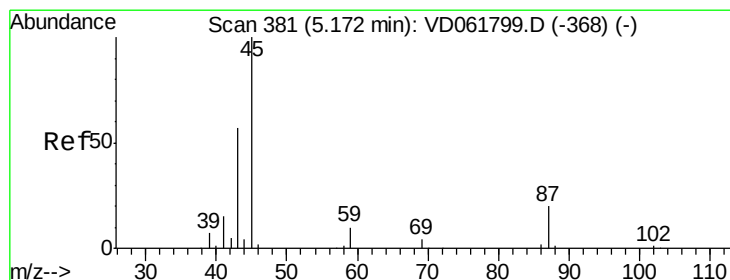
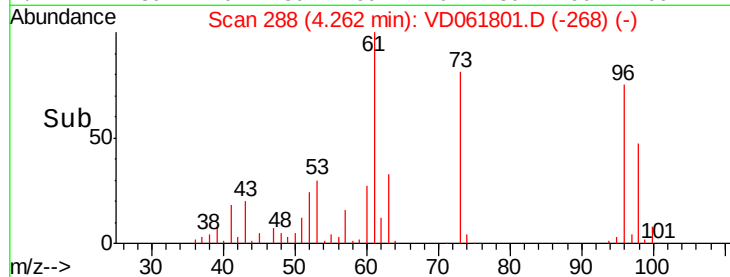
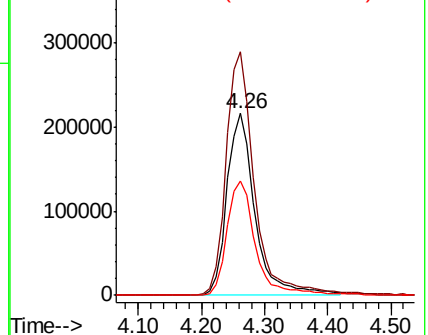
96 100

61 133.9 104.4 156.6

98 63.1 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: 98.290 ug/l

RT: 5.17 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion: 45 Resp: 1764990

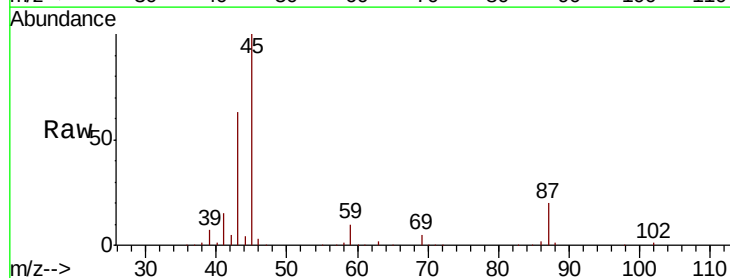
Ion Ratio Lower Upper

45 100

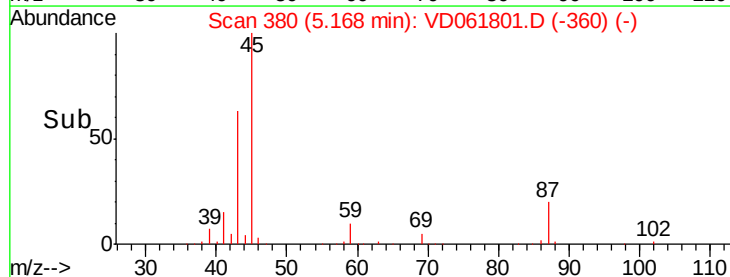
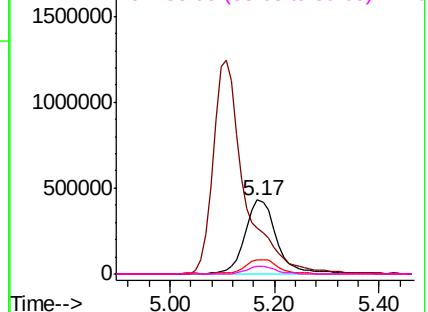
43 63.0 46.2 69.2

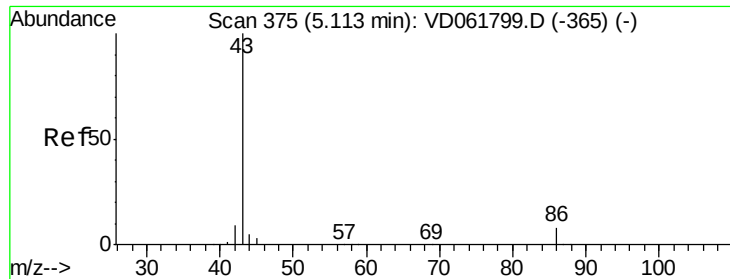
87 19.7 15.9 23.9

59 9.9 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: 534.251 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

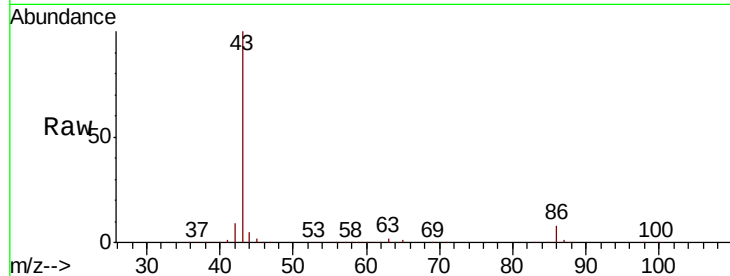
ClientSampled :

Tot Ion: 43 Resp: 5120472

Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD061799.D (-365) (-)

Ion 86.00 (85.70 to 86.70): VD061799.D (-365) (-)

5.11

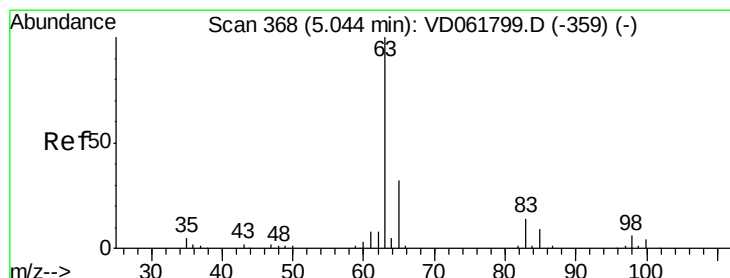
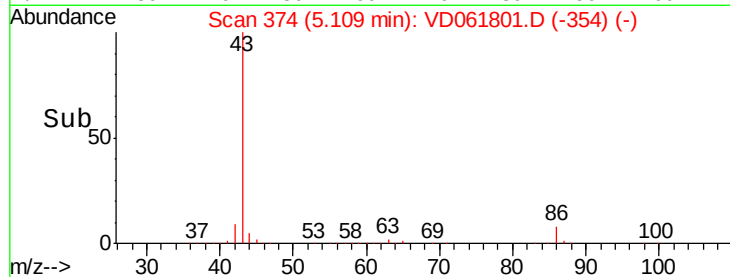
1000000

500000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 101.476 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

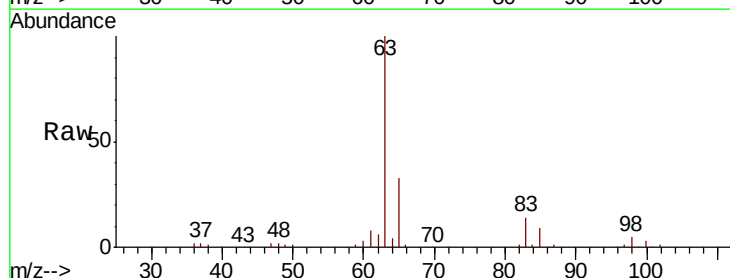
Tgt Ion: 63 Resp: 1105980

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD061799.D (-359) (-)

Ion 97.95 (97.65 to 98.65): VD061799.D (-359) (-)

Ion 99.95 (99.65 to 100.65): VD061799.D (-359) (-)

5.03

400000

300000

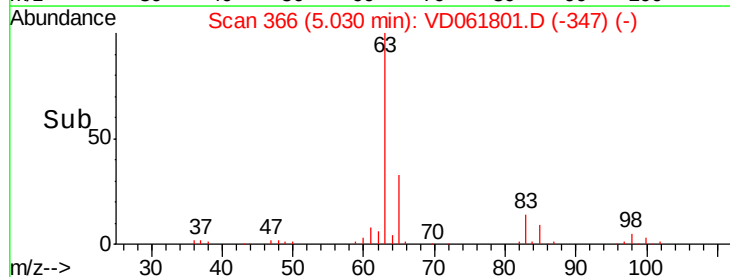
200000

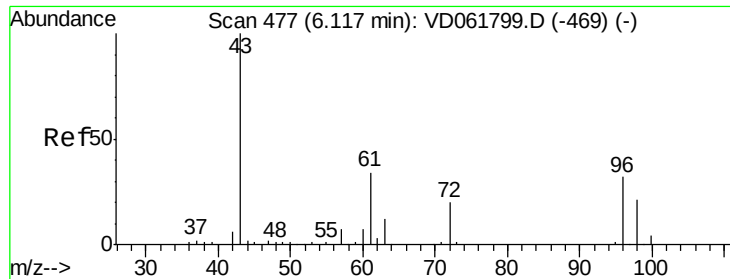
100000

0

Time-->

4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 533.205 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

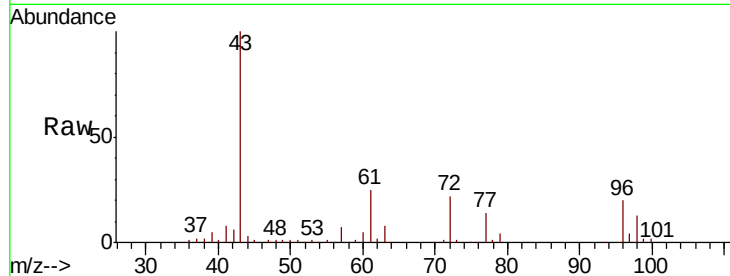
ClientSampled :

Tot Ion: 43 Resp: 824827

Ion Ratio Lower Upper

43 100

72 21.9 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.12

250000

200000

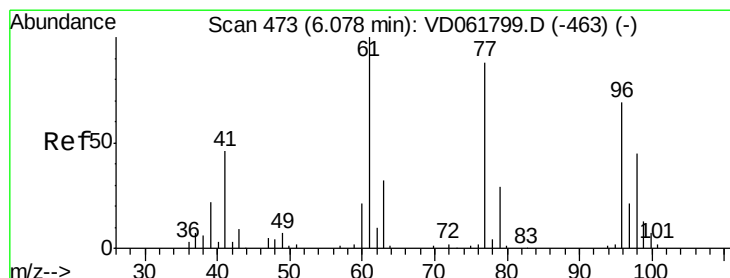
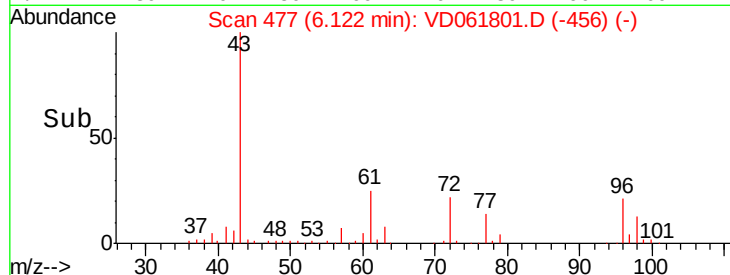
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 96.055 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061801.D

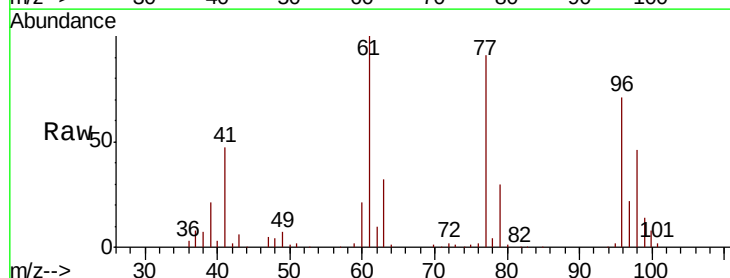
Acq: 15 Apr 2019 15:04

Tgt Ion: 77 Resp: 905817

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.07

250000

200000

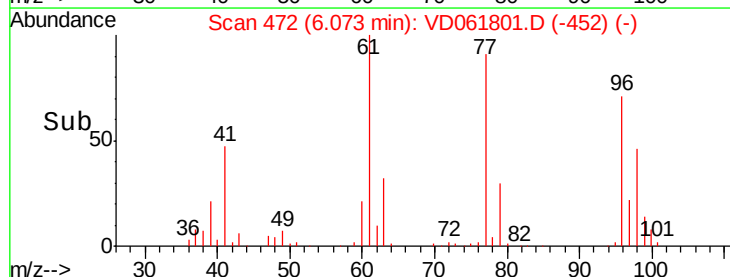
150000

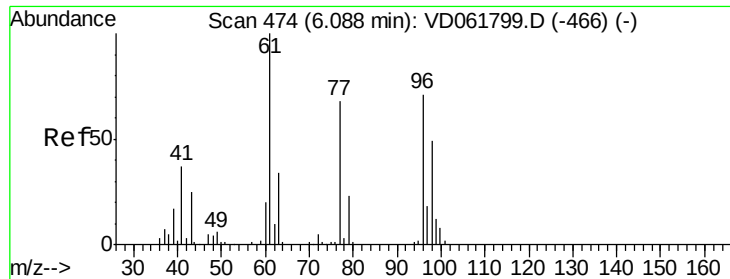
100000

50000

0

Time-->



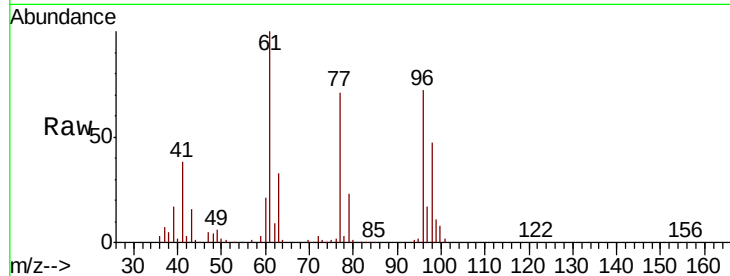


#27

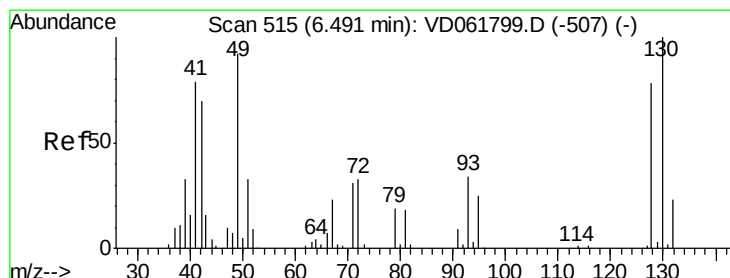
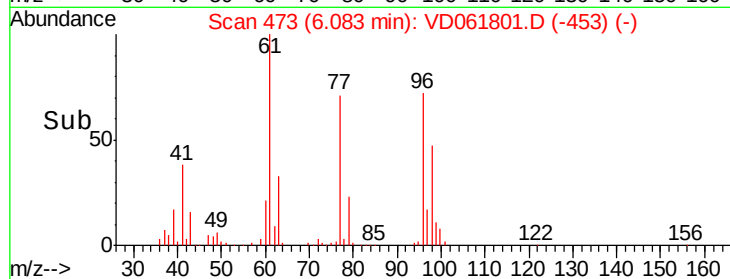
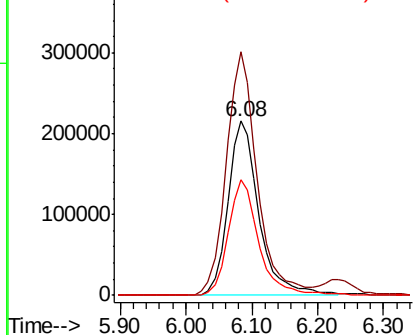
cis-1,2-Dichloroethene
 Concen: 96.257 ug/l
 RT: 6.08 min Scan# 473
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	279.8
98	66.1	0.0	136.0



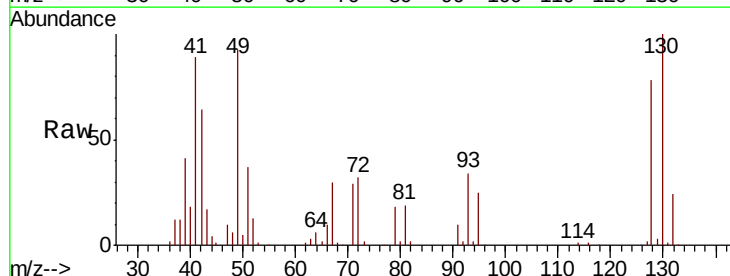
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



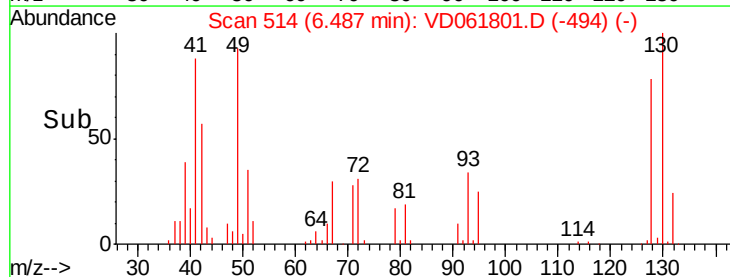
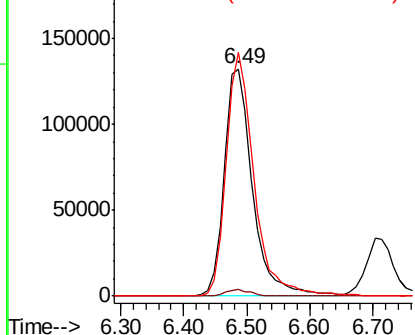
#28

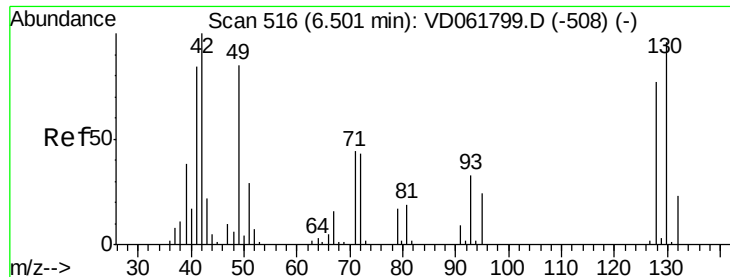
Bromochloromethane
 Concen: 98.789 ug/l
 RT: 6.49 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	6.6
130	107.1	86.7	130.1



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

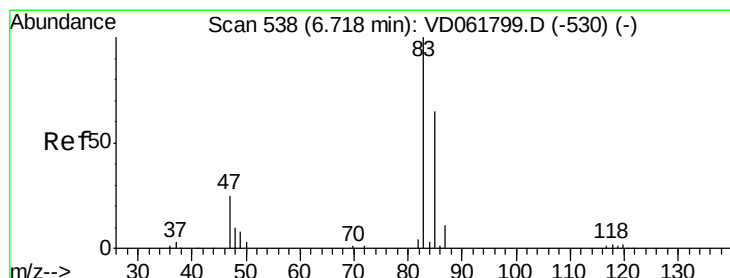
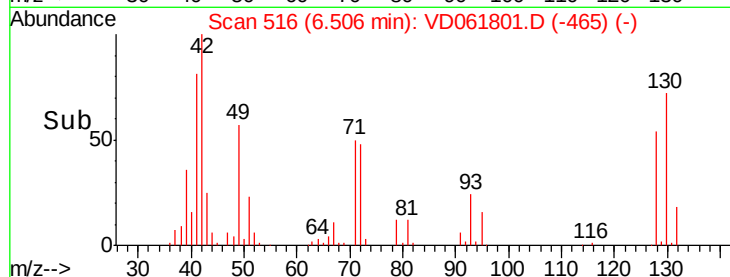
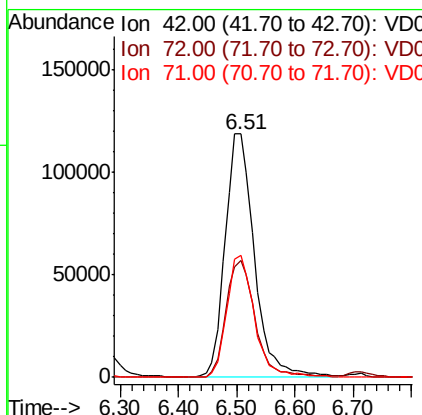
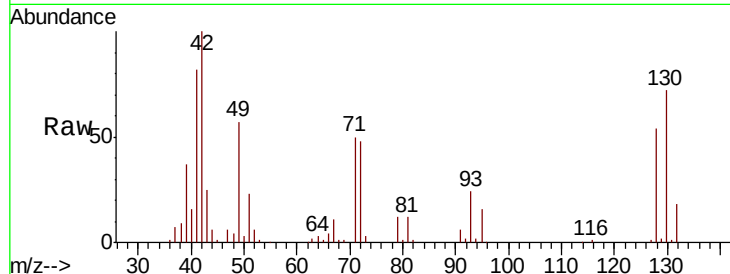




#29
Tetrahydrofuran
Concen: 551.952 ug/l
RT: 6.51 min Scan# 516
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

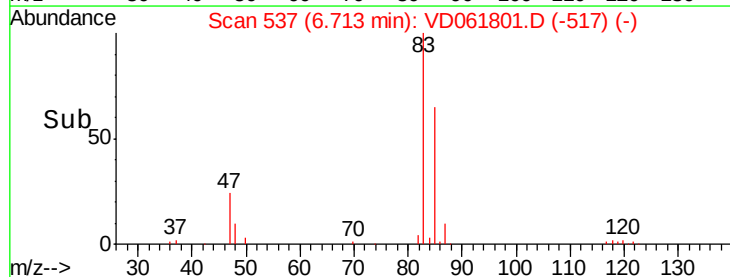
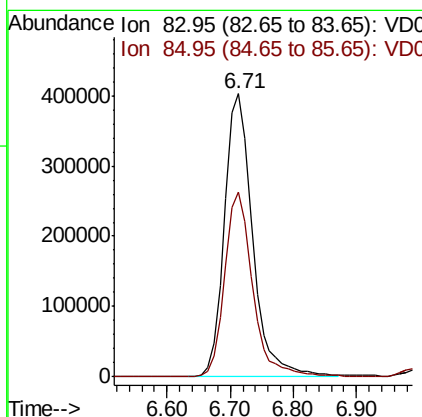
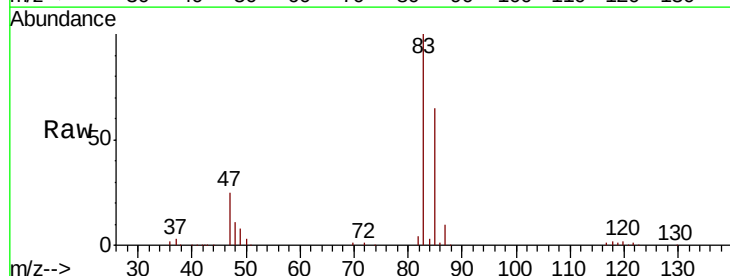
Instrument :
MSVOA_D
ClientSampleId :

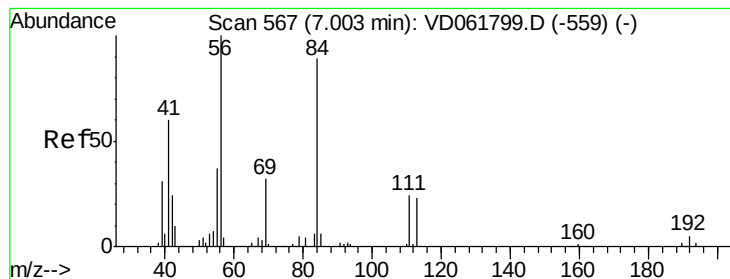
Tot Ion: 42 Resp: 415933
Ion Ratio Lower Upper
42 100
72 47.9 37.8 56.6
71 47.5 36.7 55.1



#30
Chloroform
Concen: 102.434 ug/l
RT: 6.71 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 83 Resp: 1246214
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5





#31

Cyclohexane

Concen: 96.047 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampled :

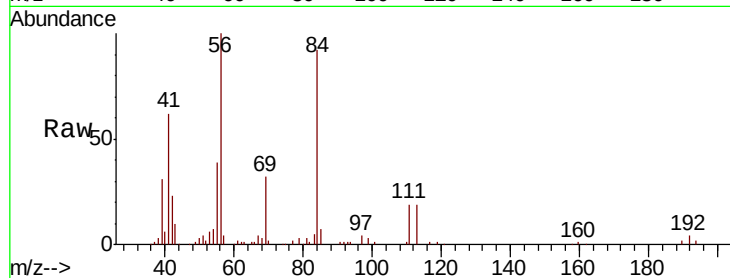
Tot Ion: 56 Resp: 801983

Ion Ratio Lower Upper

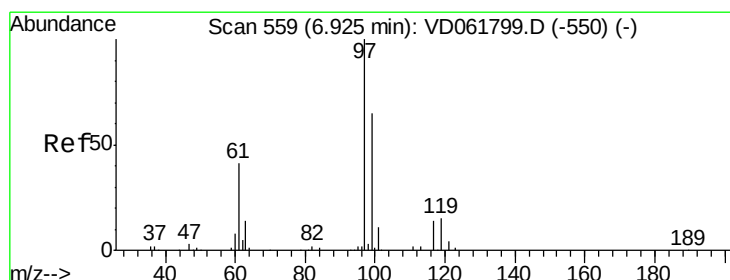
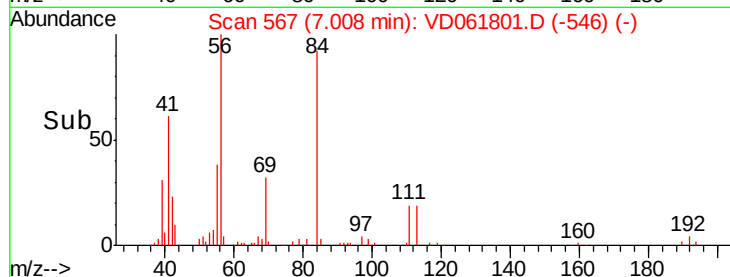
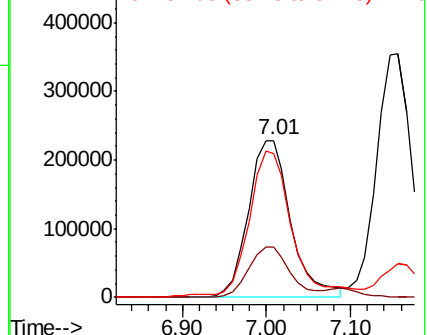
56 100

69 31.9 25.8 38.6

84 92.0 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: 99.894 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

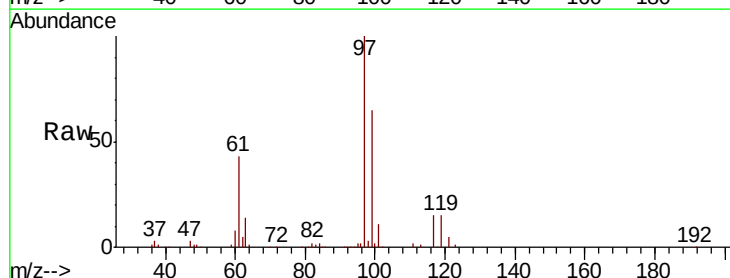
Tgt Ion: 97 Resp: 1077285

Ion Ratio Lower Upper

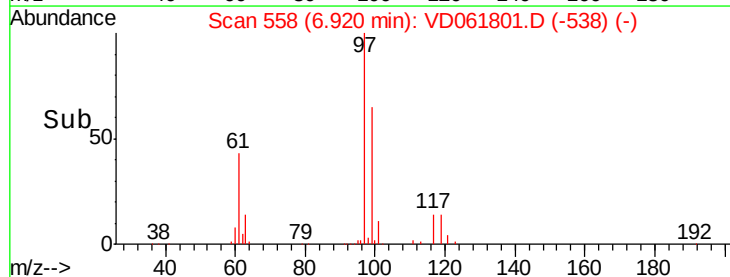
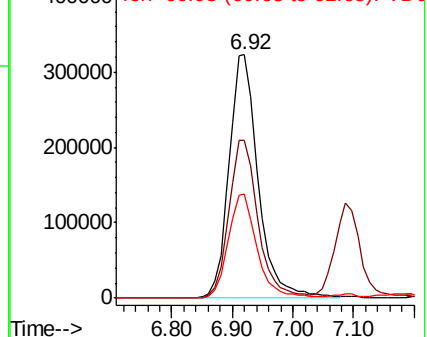
97 100

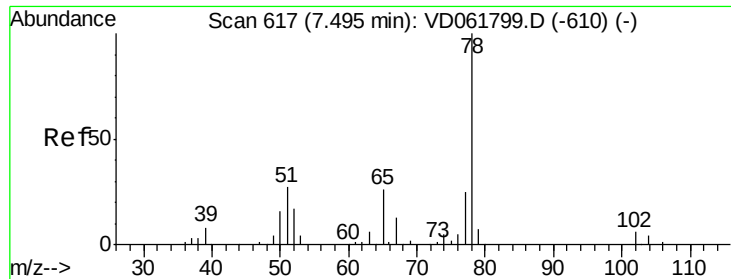
99 65.0 52.2 78.2

61 42.8 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

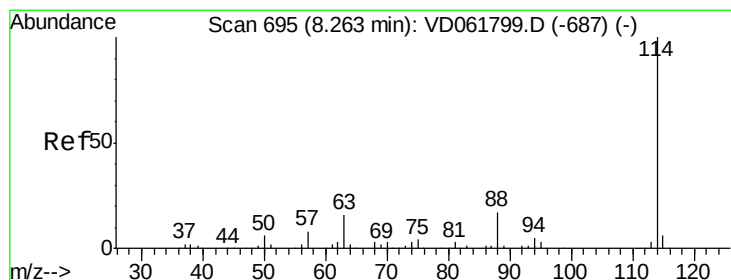
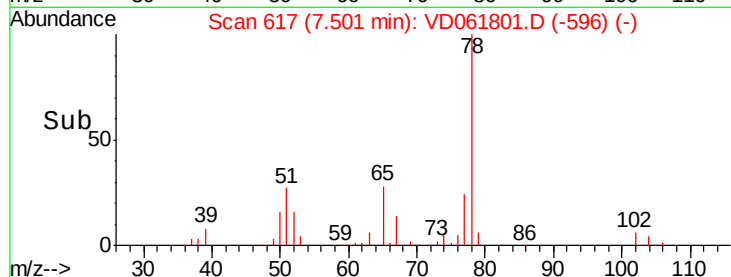
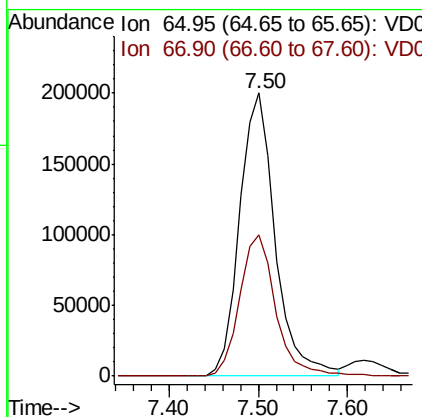
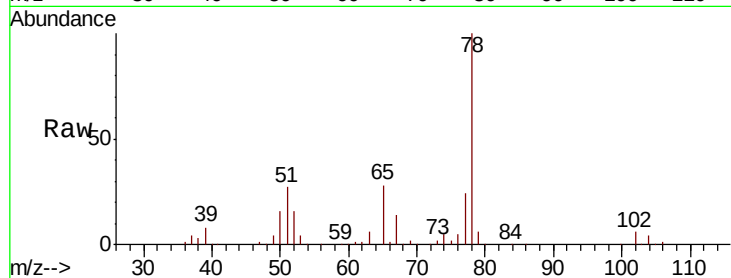




#33
 1,2-Dichloroethane-d4
 Concen: 99.894 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

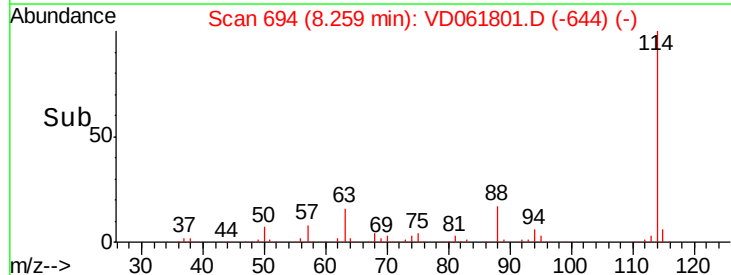
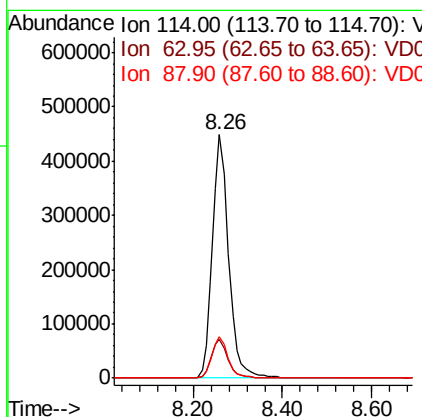
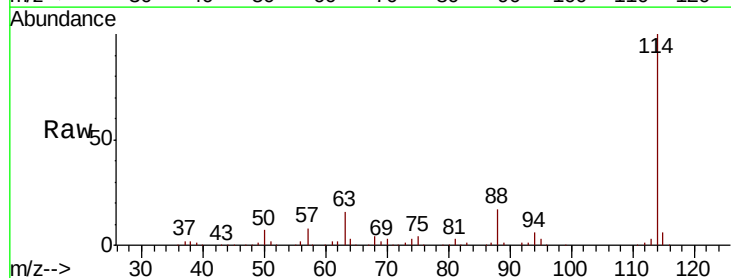
Instrument :
 MSVOA_D
 ClientSampled :

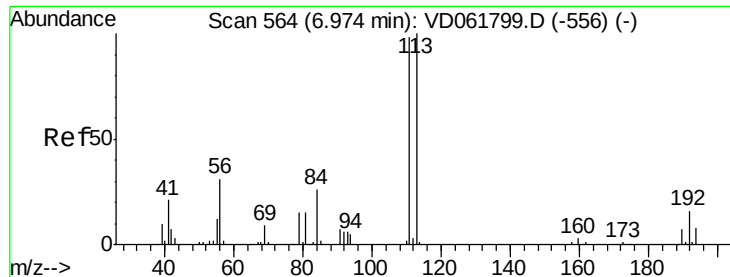
Tot Ion: 65 Resp: 553722
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion: 114 Resp: 1129825
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 563

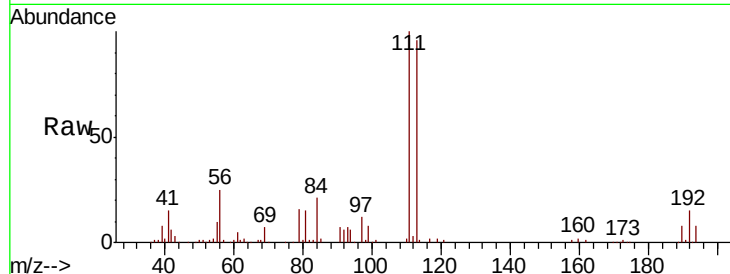
Delta R.T. -0.00 min

Lab File: VD061801.D

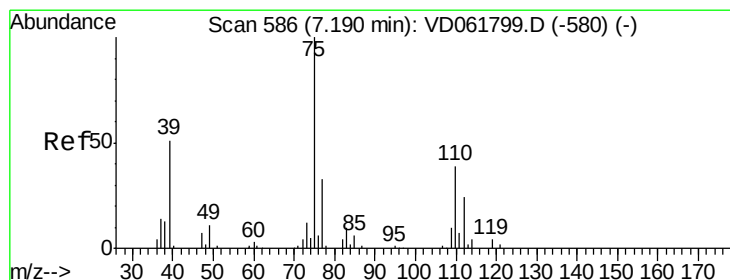
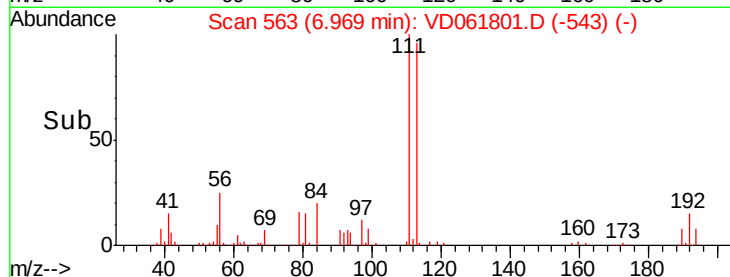
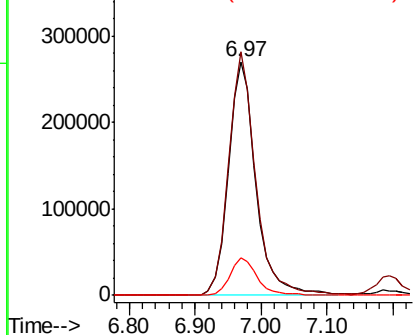
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 789707
Ion Ratio Lower Upper
113 100
111 104.2 78.5 117.7
192 16.0 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: 97.662 ug/l

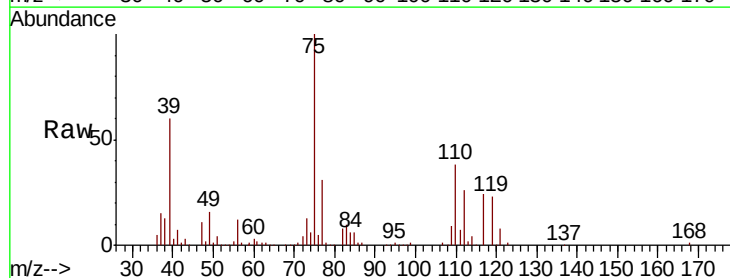
RT: 7.20 min Scan# 586

Delta R.T. 0.01 min

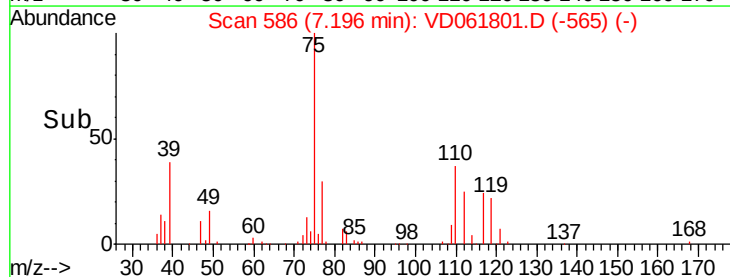
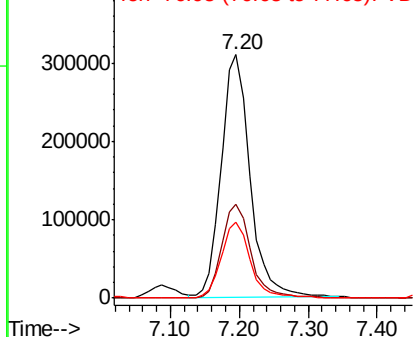
Lab File: VD061801.D

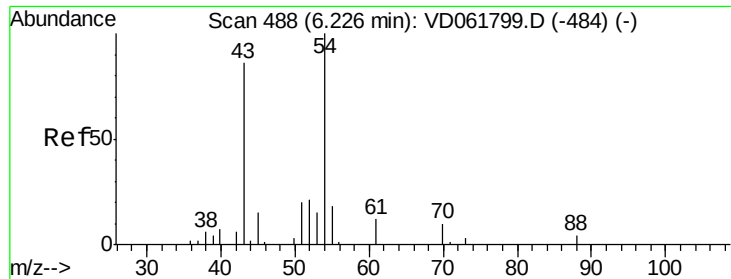
Acq: 15 Apr 2019 15:04

Tgt Ion: 75 Resp: 901842
Ion Ratio Lower Upper
75 100
110 38.4 19.1 57.1
77 31.2 25.6 38.4



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





#37

Ethyl Acetate

Concen: 106.484 ug/l

RT: 6.23 min Scan# 488

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

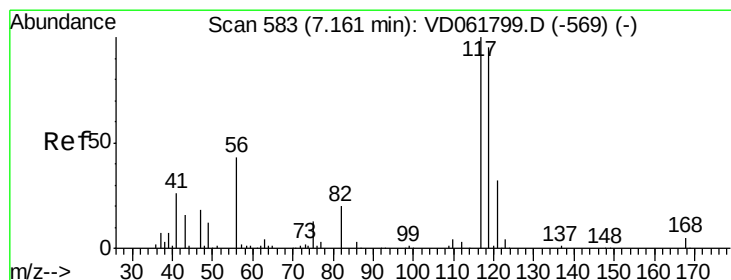
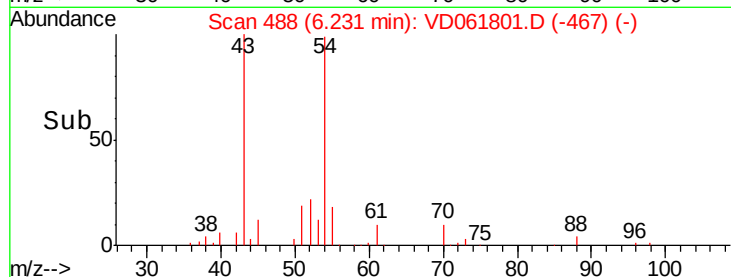
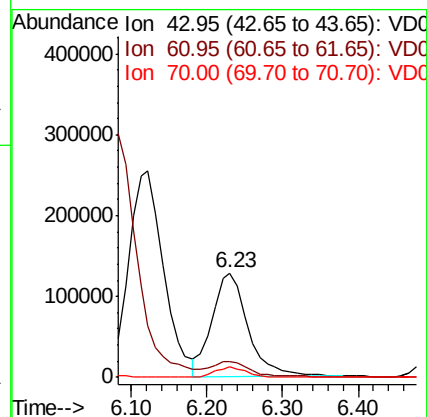
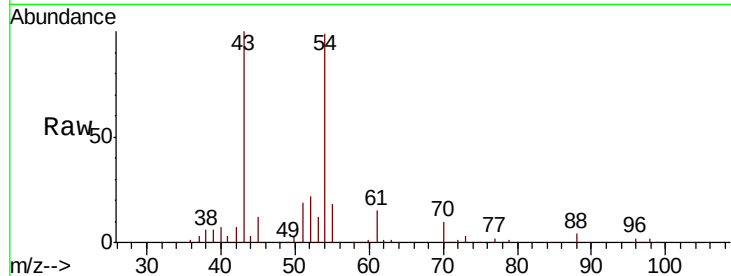
Tot Ion: 43 Resp: 420763

Ion Ratio Lower Upper

43 100

61 14.6 14.7 22.1#

70 9.9 7.8 11.6



#38

Carbon Tetrachloride

Concen: 94.825 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

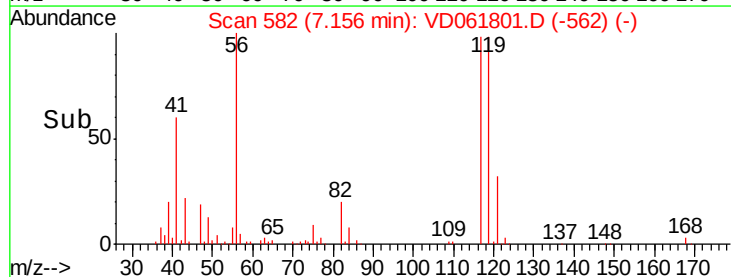
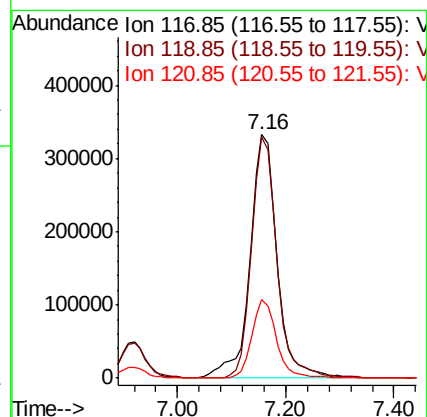
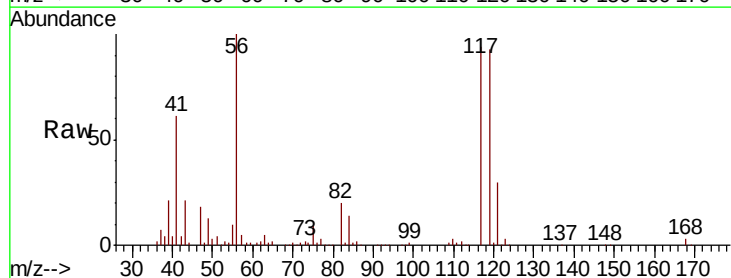
Tgt Ion: 117 Resp: 1139760

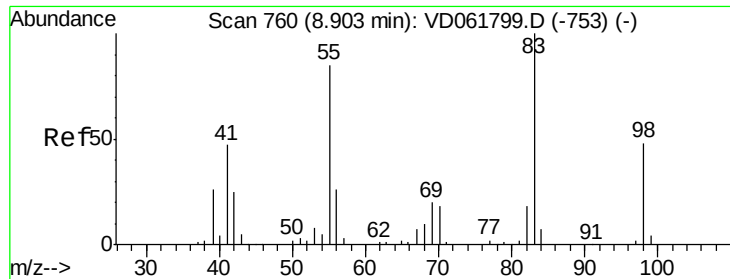
Ion Ratio Lower Upper

117 100

119 99.2 75.8 113.8

121 32.4 25.9 38.9

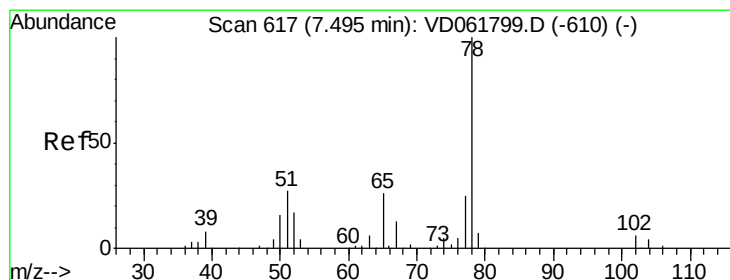
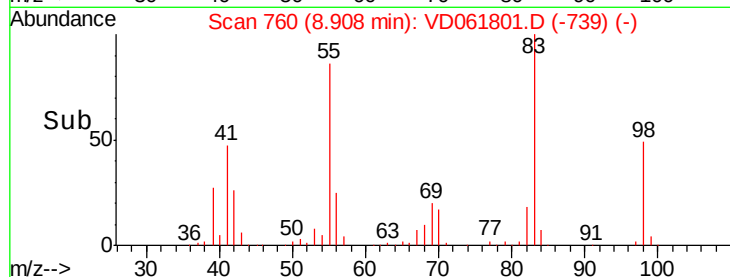
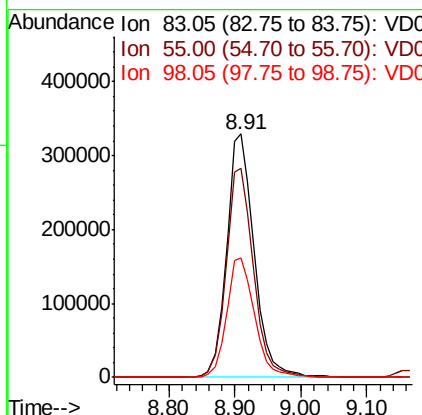
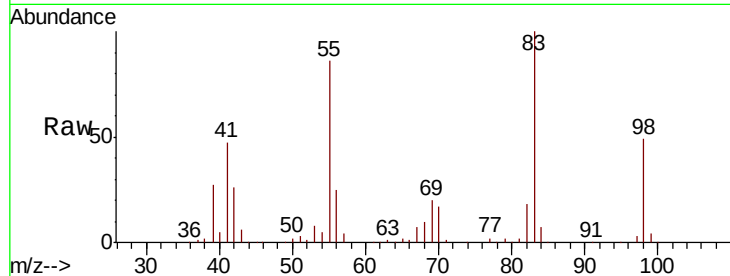




#39
Methylvlcyclohexane
Concen: 100.075 ug/l
RT: 8.91 min Scan# 760
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

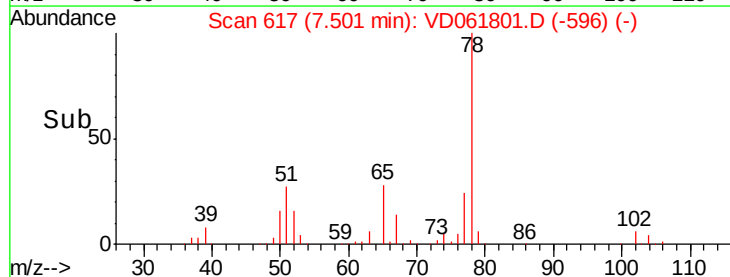
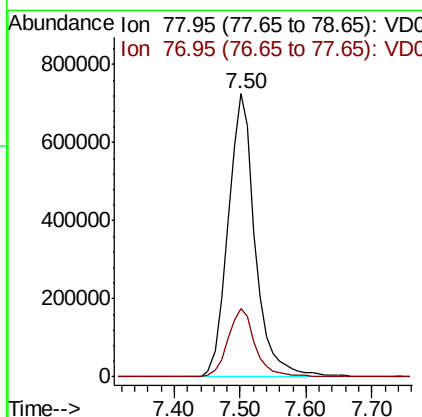
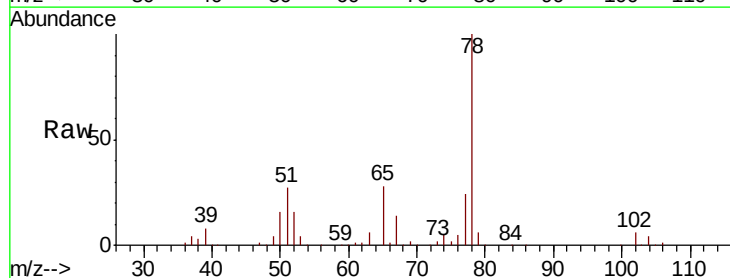
Instrument :
MSVOA_D
ClientSampleId :

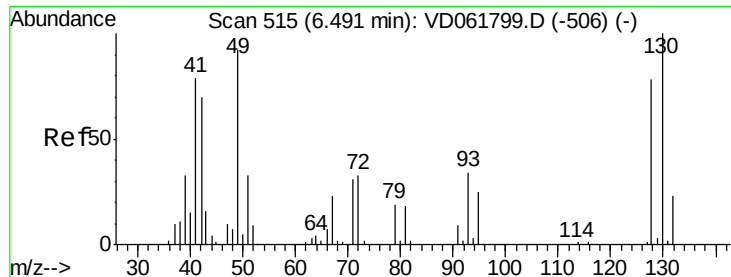
Tot Ion: 83 Resp: 959460
Ion Ratio Lower Upper
83 100
55 85.7 68.2 102.4
98 49.3 38.2 57.4



#40
Benzene
Concen: 94.248 ug/l
RT: 7.50 min Scan# 617
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 78 Resp: 2089307
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5

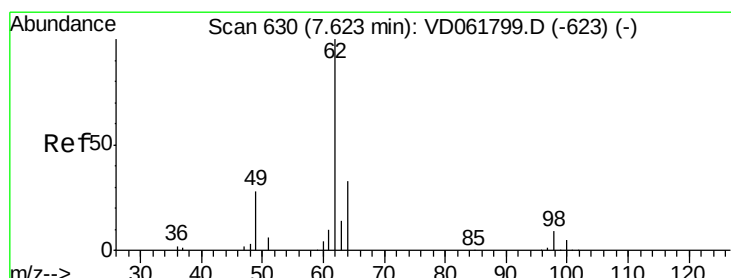
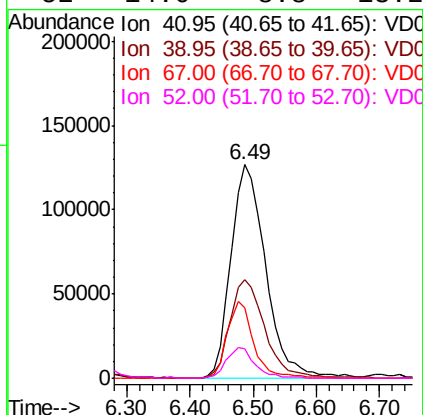
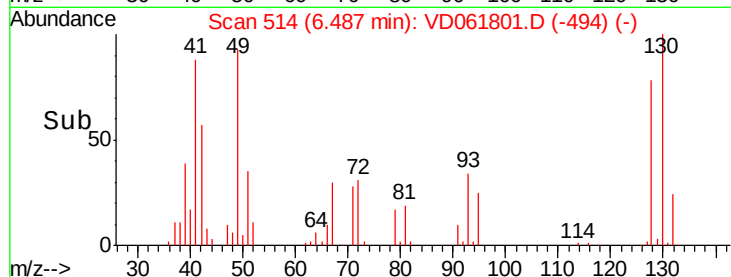
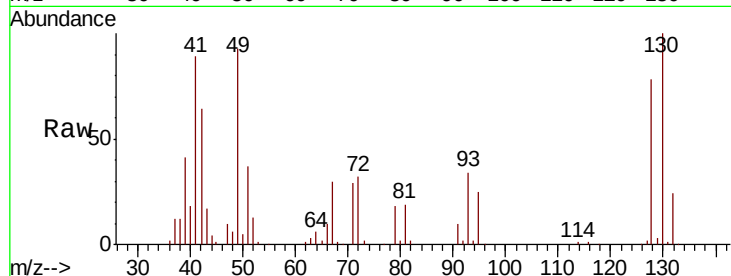




#41
Methacrylonitrile
Concen: 103.829 ug/l
RT: 6.49 min Scan# 514
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

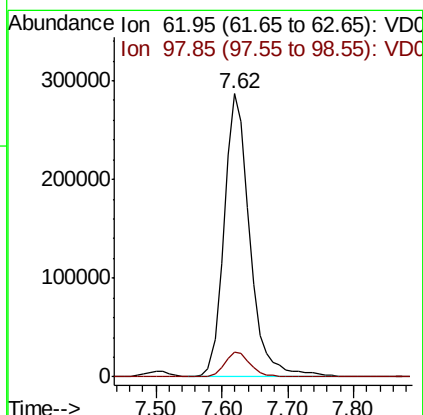
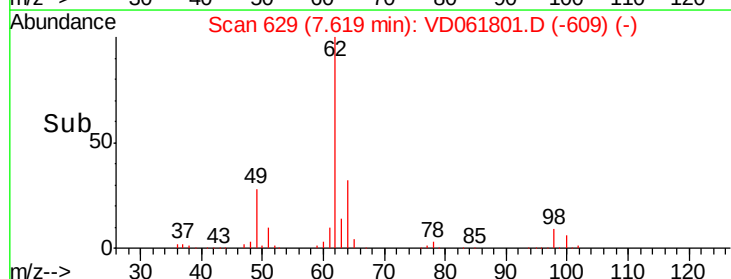
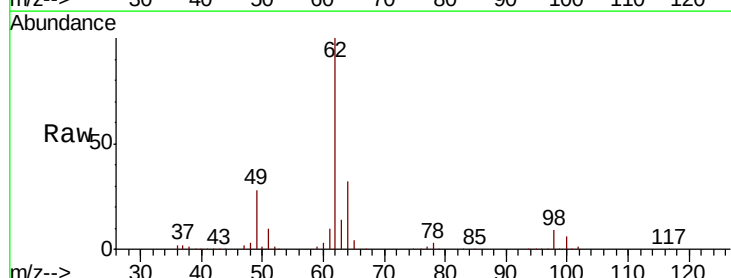
Instrument :
MSVOA_D
ClientSampled :

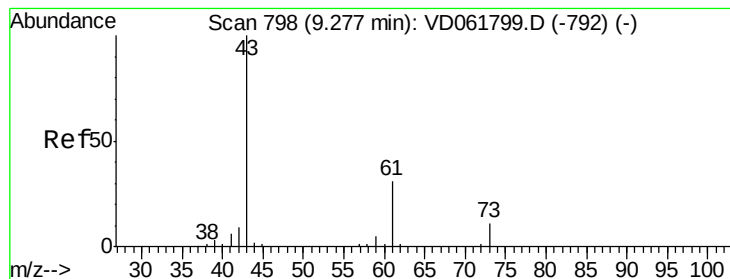
Tot Ion: 41 Resp: 484927
Ion Ratio Lower Upper
41 100
39 46.0 34.1 51.1
67 33.1 23.8 35.6
52 14.0 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 100.892 ug/l
RT: 7.62 min Scan# 629
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 62 Resp: 778846
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.8





#43

Isopropyl Acetate

Concen: 109.375 ug/l

RT: 9.27 min Scan# 797

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

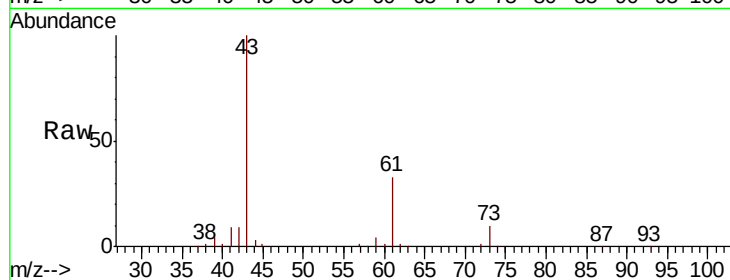
Tot Ion: 43 Resp: 608193

Ion Ratio Lower Upper

43 100

61 32.5 25.1 37.7

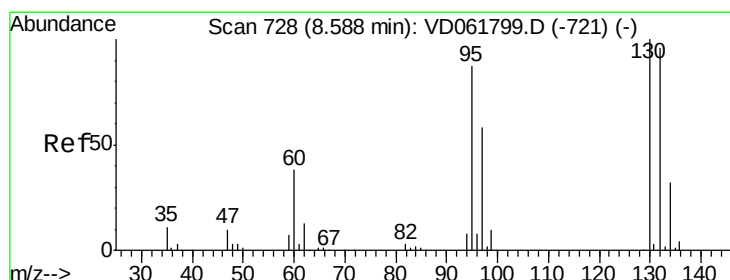
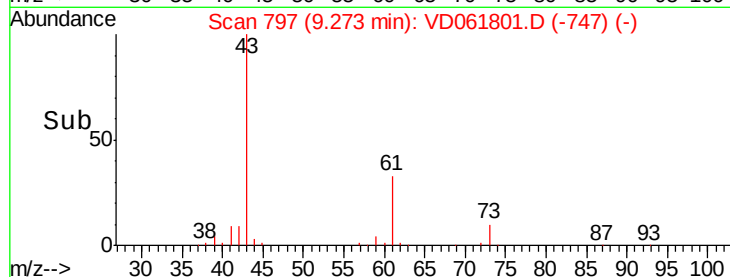
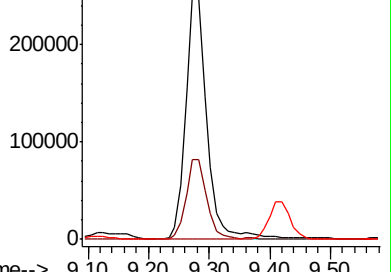
87 0.2 0.0 0.0#



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: 94.663 ug/l

RT: 8.58 min Scan# 727

Delta R.T. -0.00 min

Lab File: VD061801.D

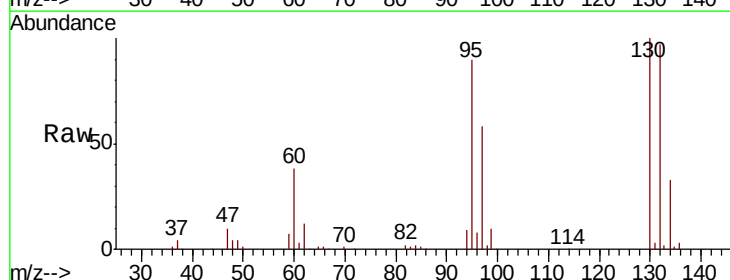
Acq: 15 Apr 2019 15:04

Tgt Ion:130 Resp: 807738

Ion Ratio Lower Upper

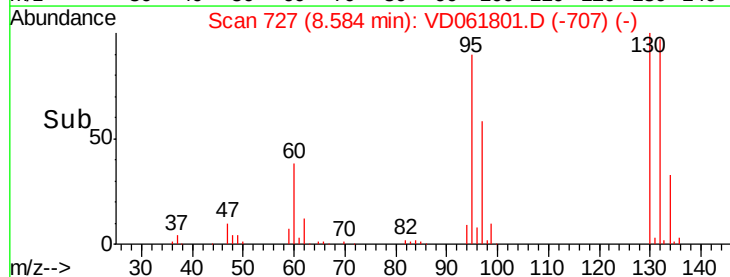
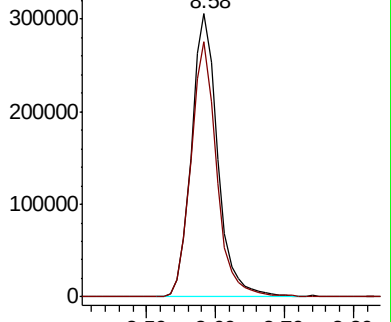
130 100

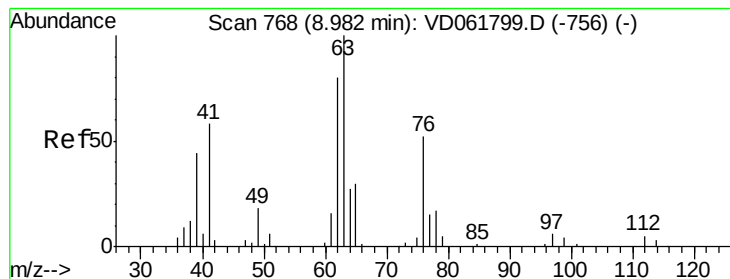
95 90.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 101.073 ug/l

RT: 8.98 min Scan# 767

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

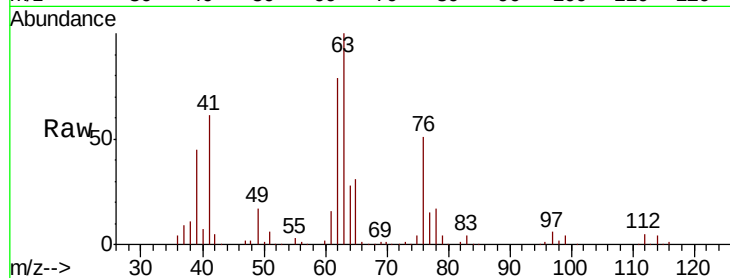
ClientSampleId :

Tot Ion: 63 Resp: 583546

Ion Ratio Lower Upper

63 100

65 30.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.98

250000

200000

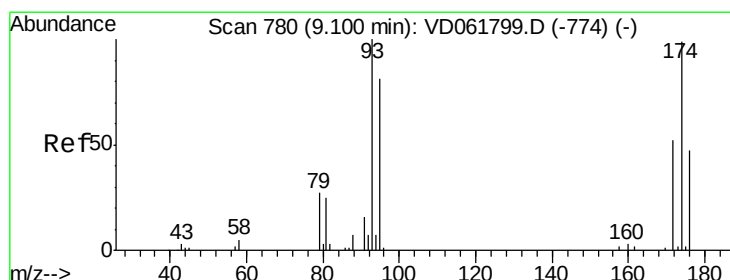
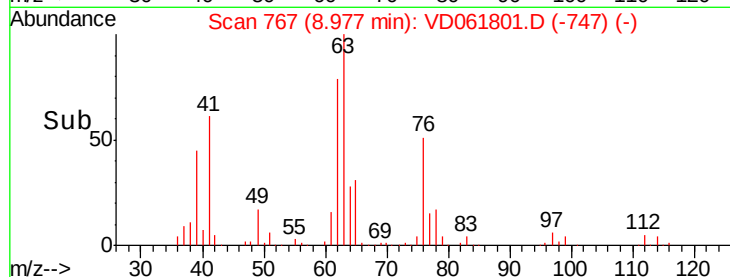
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 102.460 ug/l

RT: 9.11 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

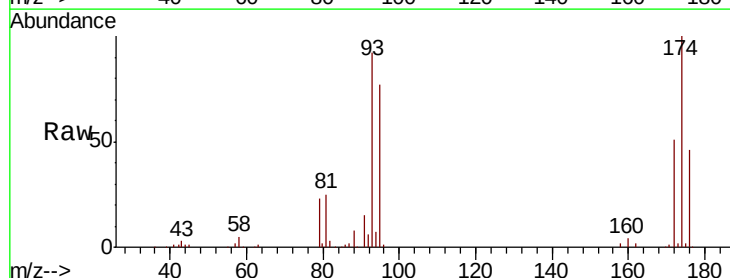
Tgt Ion: 93 Resp: 421504

Ion Ratio Lower Upper

93 100

95 84.2 64.8 97.2

174 108.9 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

9.11

250000

200000

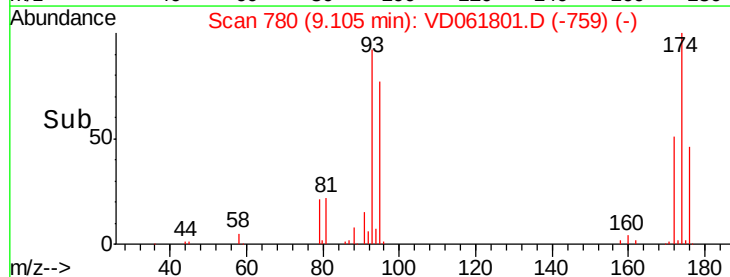
150000

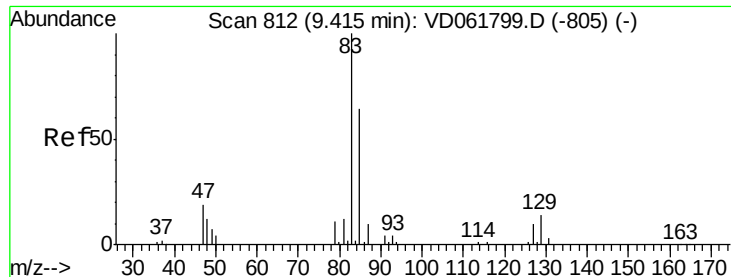
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 99.660 ug/l

RT: 9.41 min Scan# 811

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

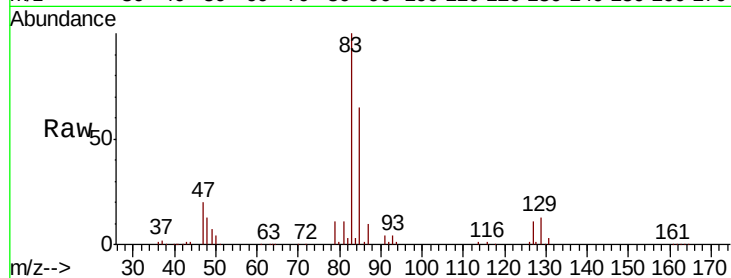
Tot Ion: 83 Resp: 945847

Ion Ratio Lower Upper

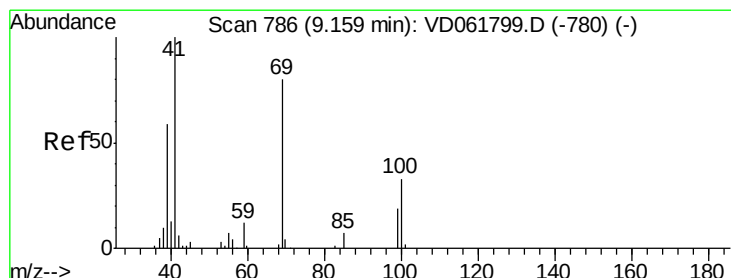
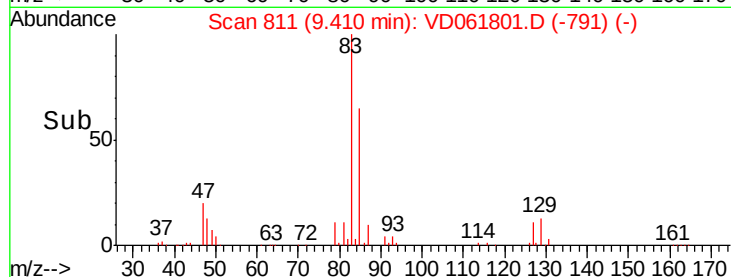
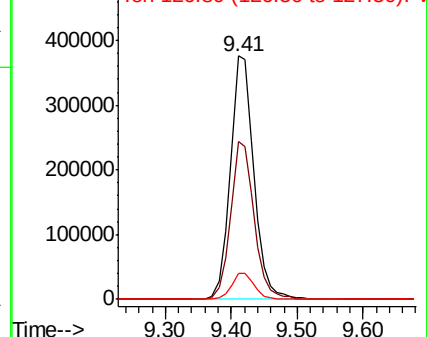
83 100

85 64.8 50.9 76.3

127 10.6 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): VDC



#48

Methyl methacrylate

Concen: 102.541 ug/l

RT: 9.15 min Scan# 785

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

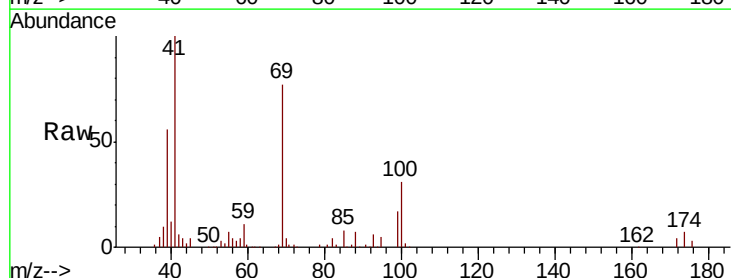
Tgt Ion: 41 Resp: 335166

Ion Ratio Lower Upper

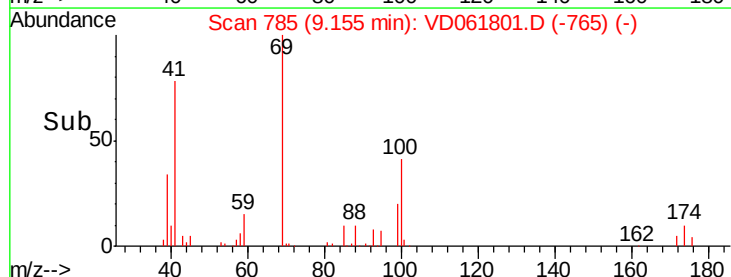
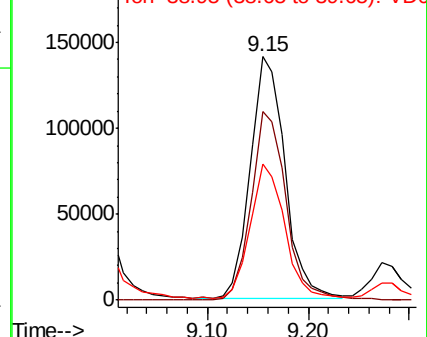
41 100

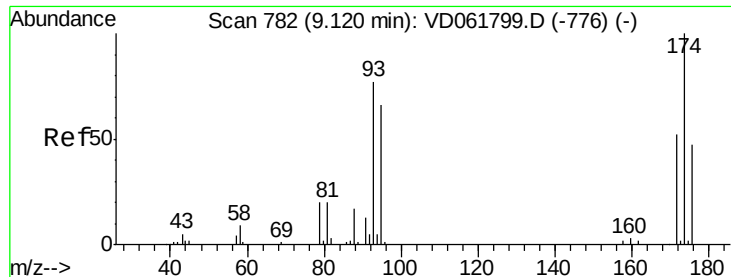
69 77.5 64.2 96.2

39 55.8 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

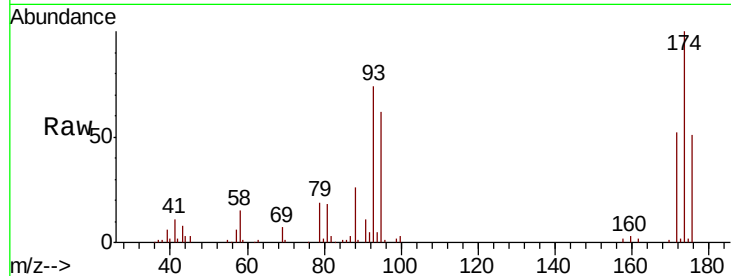




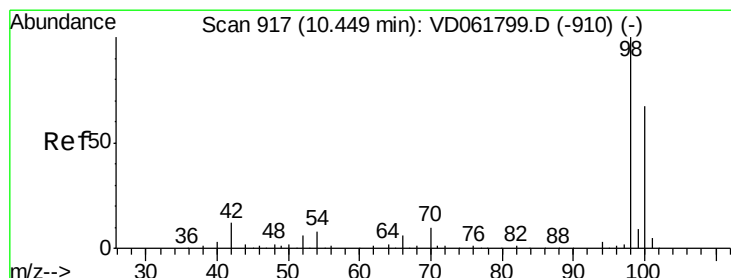
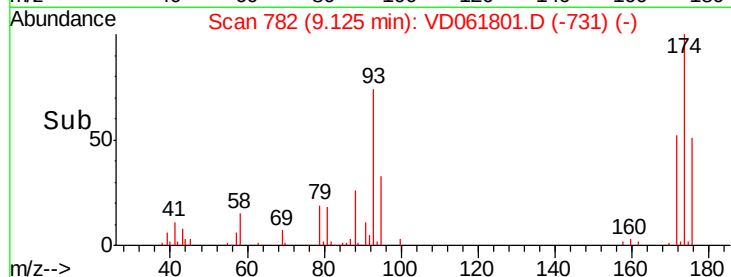
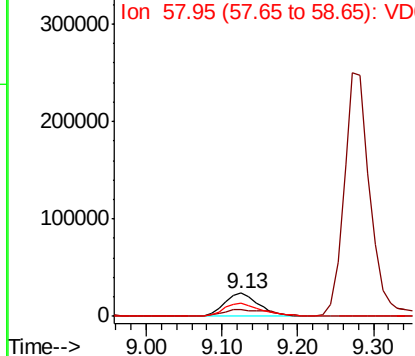
#49
1,4-Dioxane
Concen: 2136.335 ug/l
RT: 9.13 min Scan# 782
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 76323
Ion Ratio Lower Upper
88 100
43 29.3 23.4 35.0
58 56.5 44.0 66.0

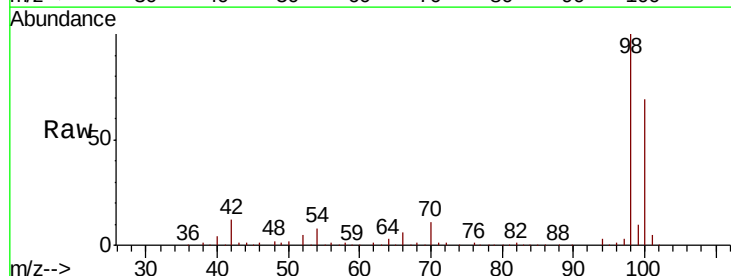


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

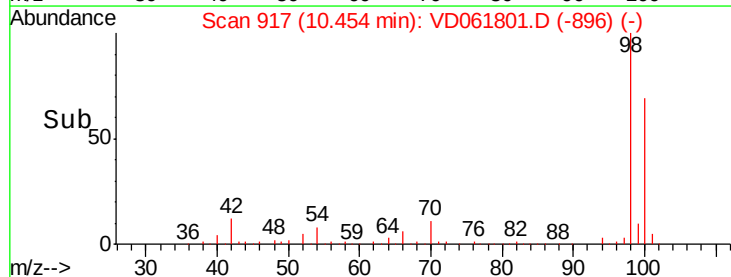
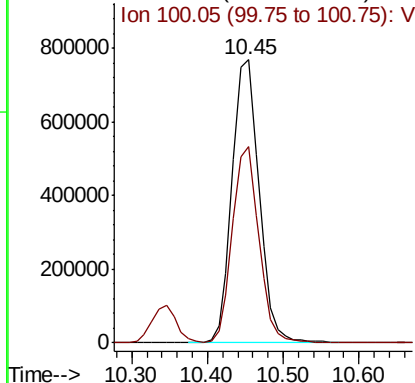


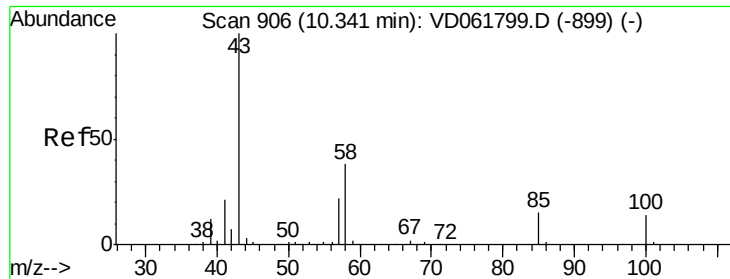
#50
Toluene-d8
Concen: 2136.335 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 98 Resp: 1895320
Ion Ratio Lower Upper
98 100
100 69.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 527.061 ug/l

RT: 10.35 min Scan# 906

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

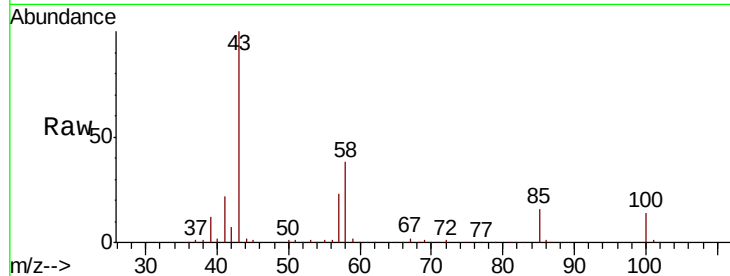
ClientSampleId :

Tot Ion: 43 Resp: 1792277

Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.35

800000

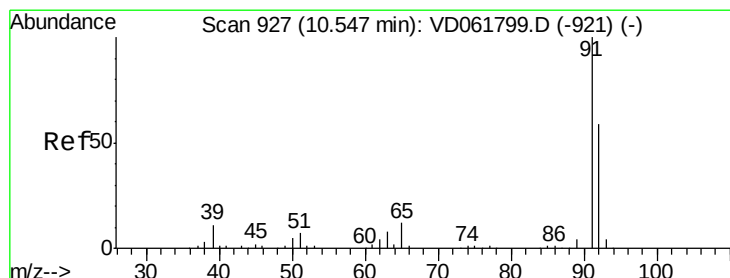
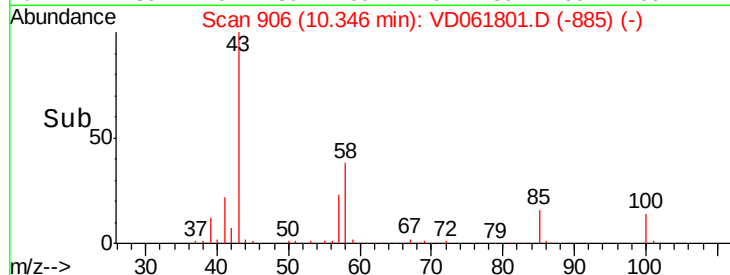
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 96.539 ug/l

RT: 10.54 min Scan# 926

Delta R.T. -0.00 min

Lab File: VD061801.D

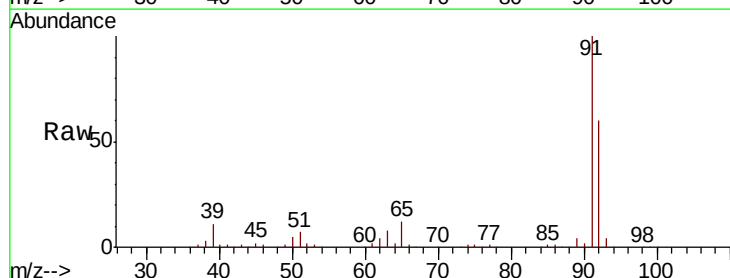
Acq: 15 Apr 2019 15:04

Tgt Ion: 92 Resp: 1371249

Ion Ratio Lower Upper

92 100

91 165.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.54

1000000

800000

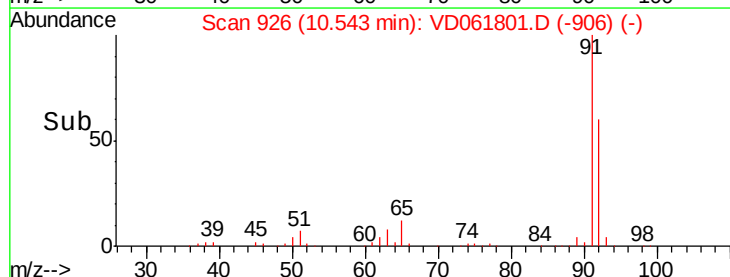
600000

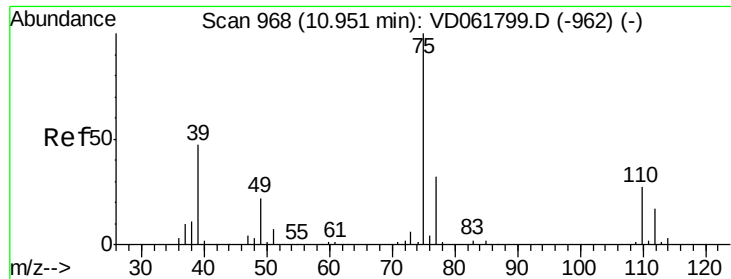
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 99.448 ug/l

RT: 10.95 min Scan# 967

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

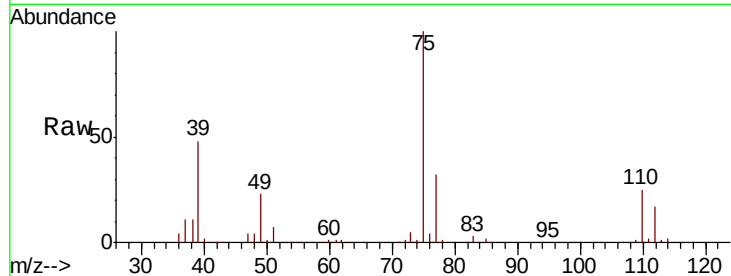
ClientSampleId :

Tot Ion: 75 Resp: 850461

Ion Ratio Lower Upper

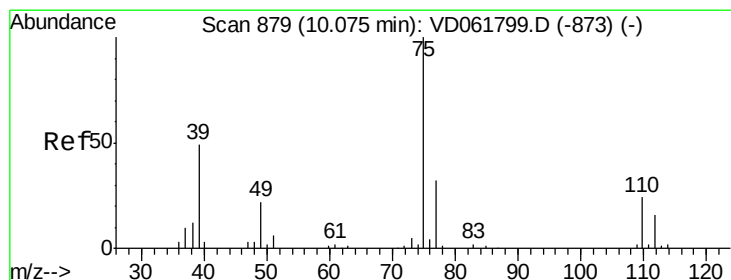
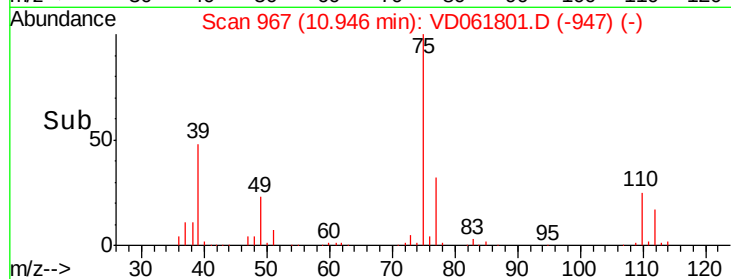
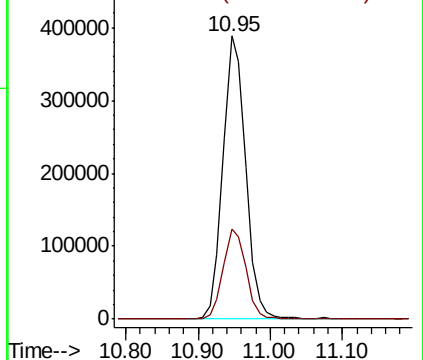
75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 93.536 ug/l

RT: 10.08 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

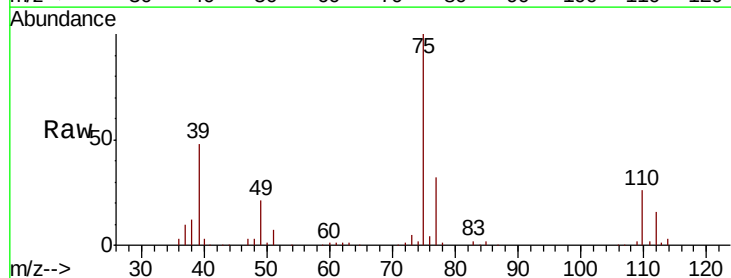
Tgt Ion: 75 Resp: 938947

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

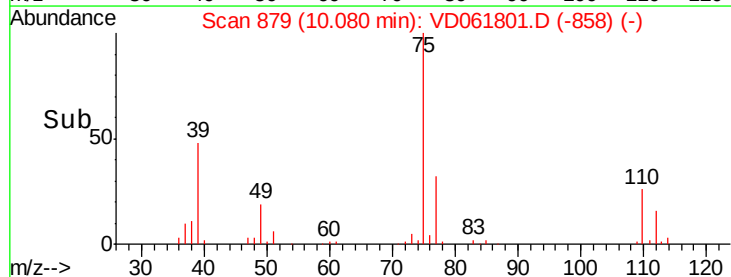
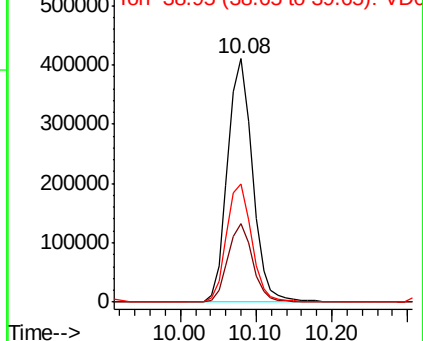
39 48.3 39.4 59.2

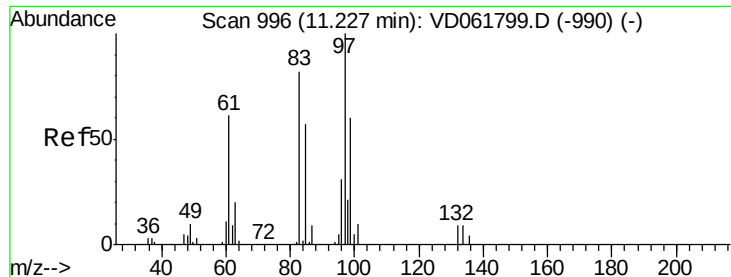


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

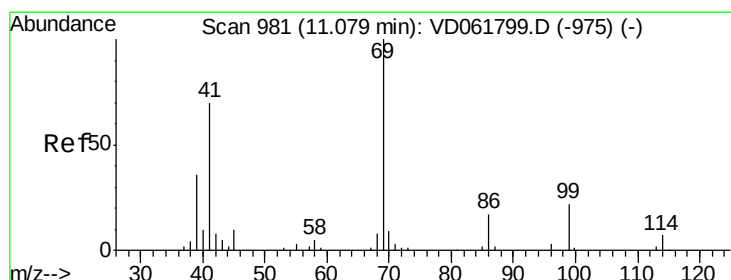
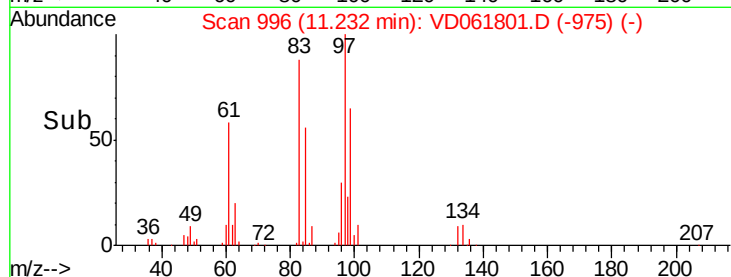
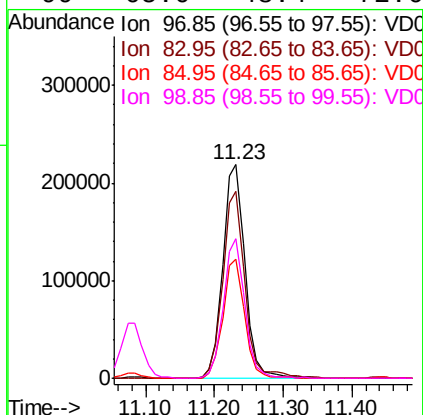
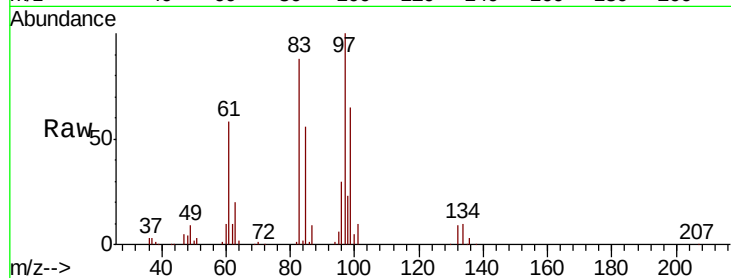




#55
 1,1,2-Trichloroethane
 Concen: 101.464 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

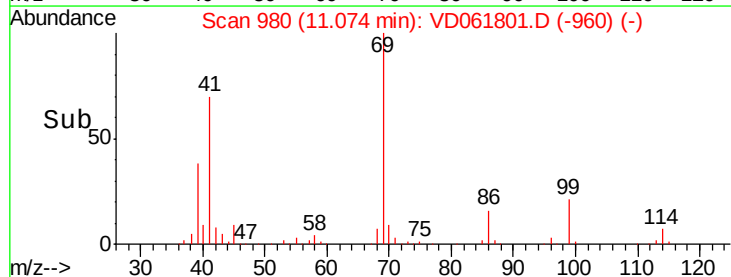
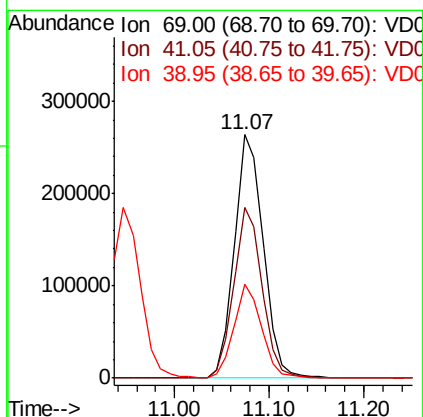
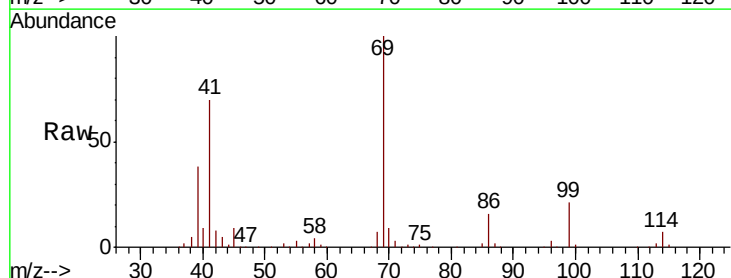
Instrument :
 MSVOA_D
 ClientSampleId :

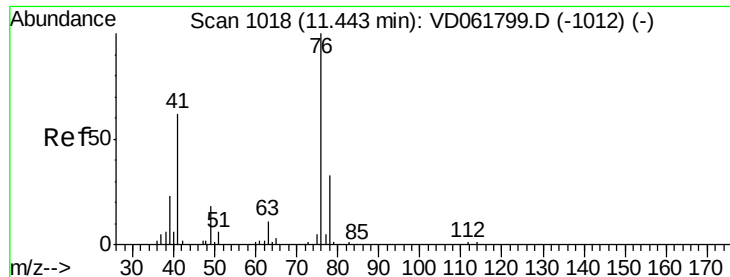
Tot Ion:	97	Resp:	485631
Ion	Ratio	Lower	Upper
97	100		
83	87.5	65.7	98.5
85	55.9	45.6	68.4
99	65.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 106.316 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:	69	Resp:	558490
Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.3	84.5
39	38.4	29.4	44.2

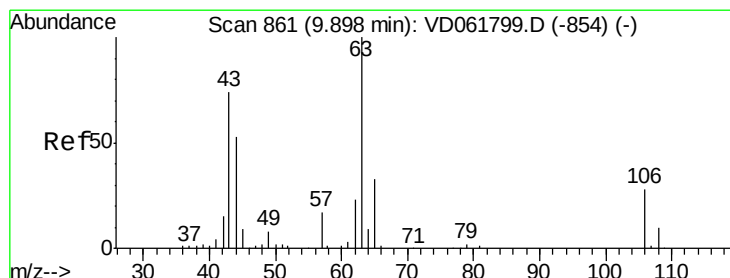
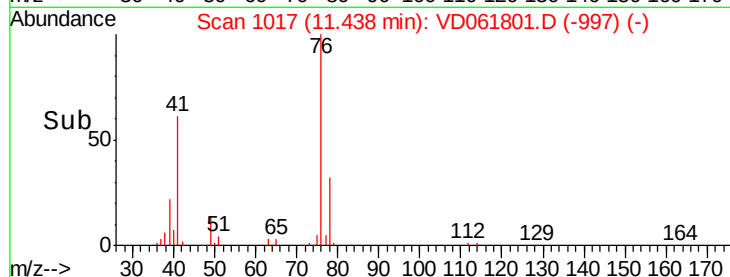
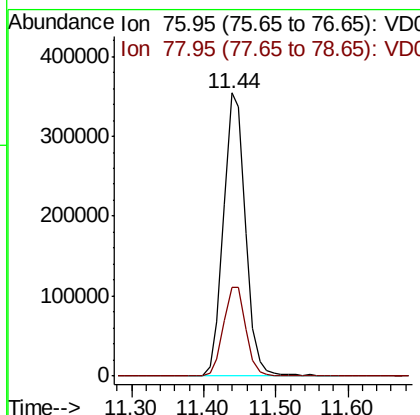
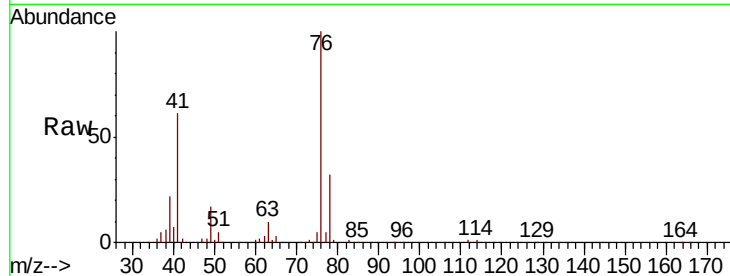




#57
 1,3-Dichloropropane
 Concen: 103.869 ug/l
 RT: 11.44 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

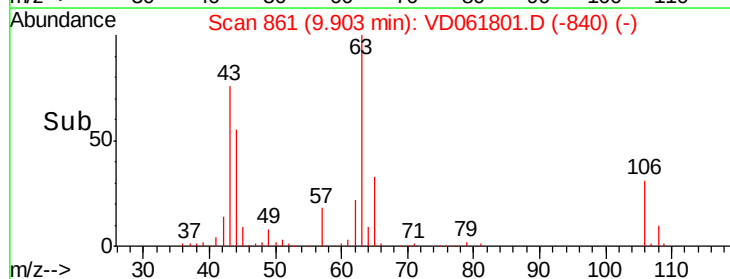
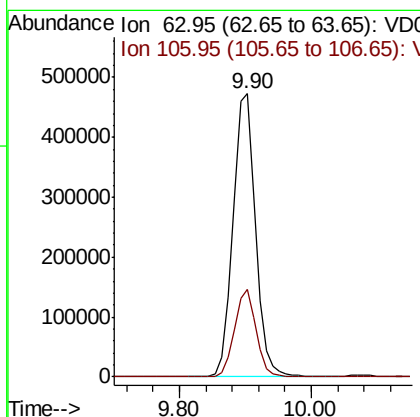
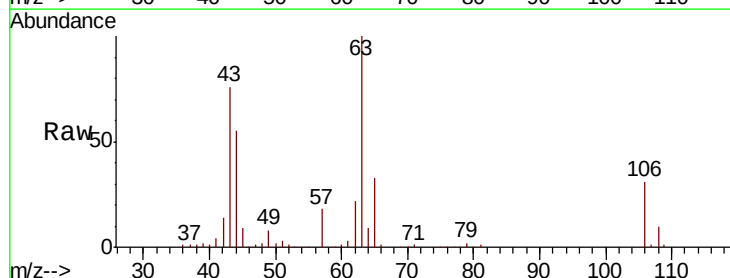
Instrument :
 MSVOA_D
 ClientSampleId :

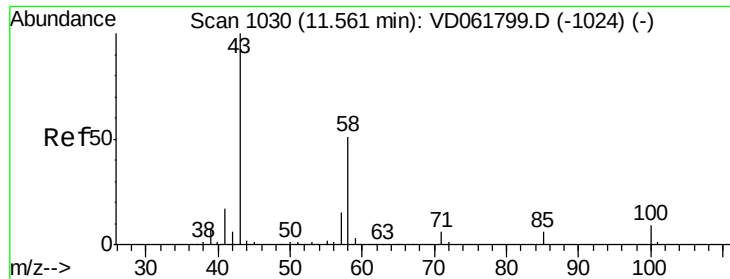
Tot Ion: 76 Resp: 747401
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 456.643 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion: 63 Resp: 1140969
 Ion Ratio Lower Upper
 63 100
 106 31.1 22.6 34.0

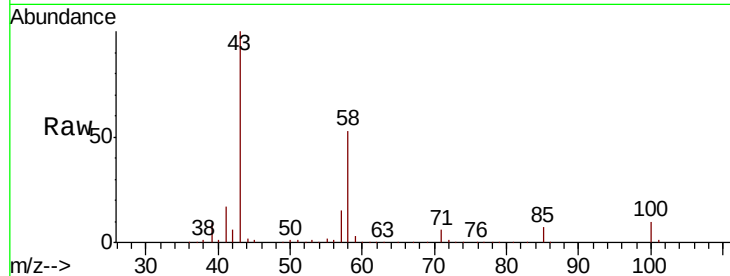




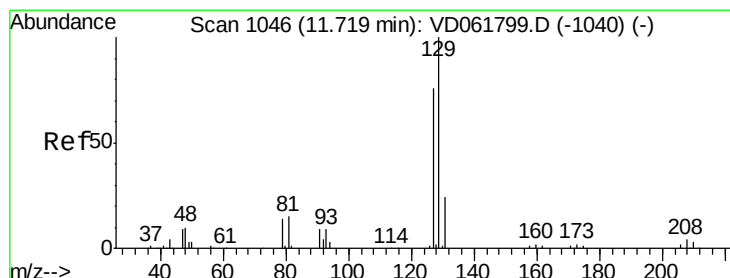
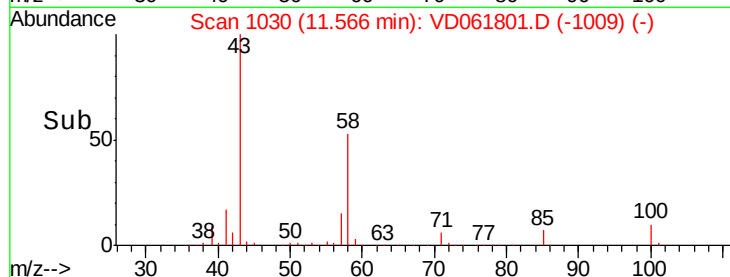
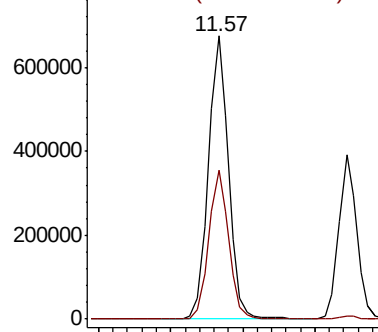
#59
2-Hexanone
Concen: 521.303 ug/l
RT: 11.57 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1316624
Ion Ratio Lower Upper
43 100
58 52.7 25.4 76.4

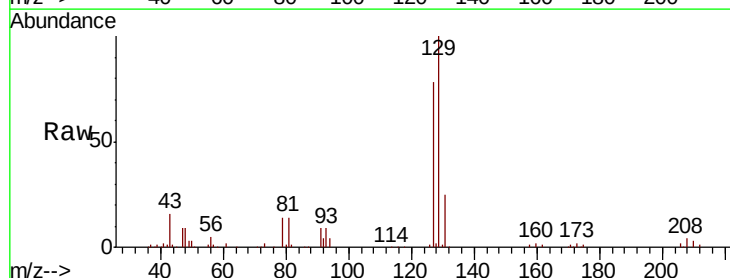


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

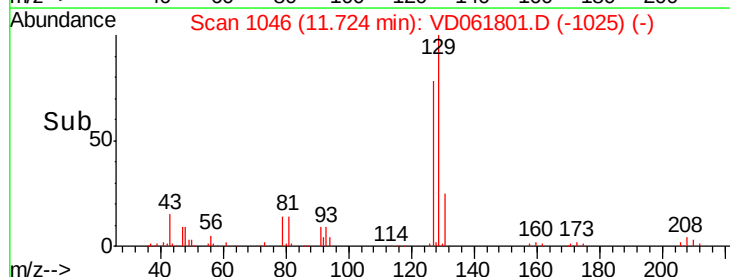
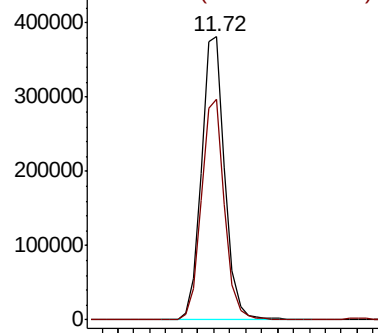


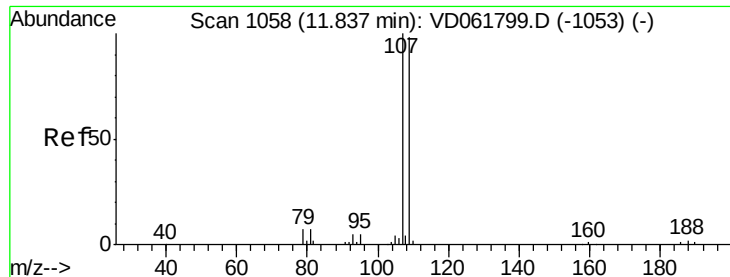
#60
Dibromochloromethane
Concen: 100.132 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 129 Resp: 784184
Ion Ratio Lower Upper
129 100
127 77.8 38.0 113.9



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

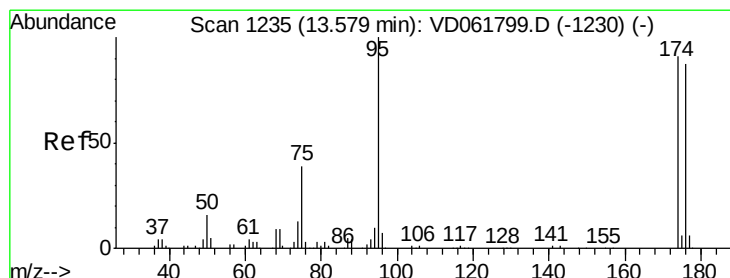
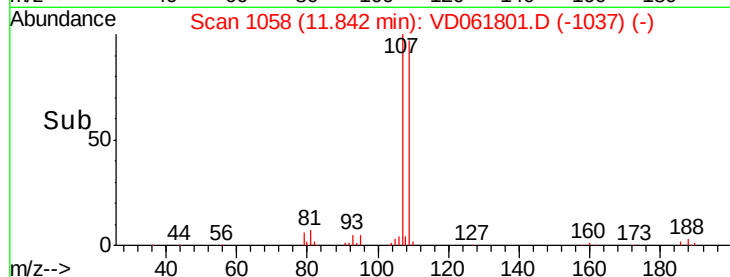
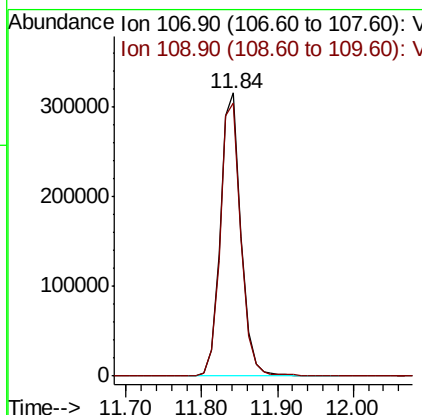
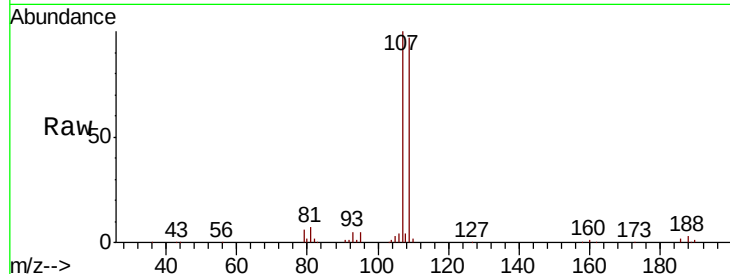




#61
 1,2-Dibromoethane
 Concen: 101.238 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

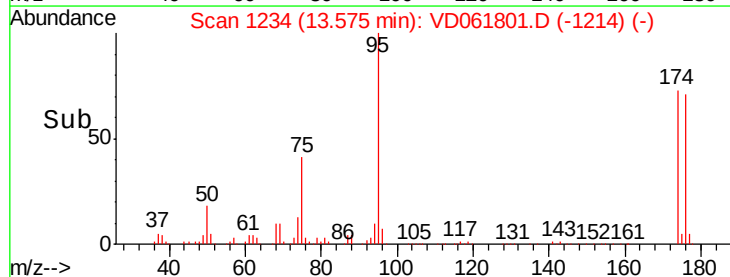
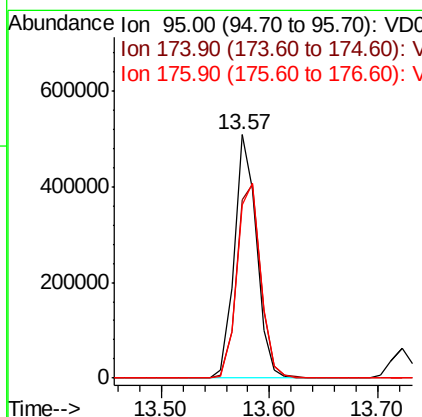
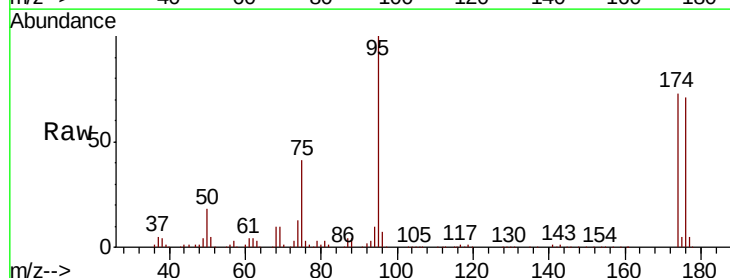
Instrument :
 MSVOA_D
 ClientSampleId :

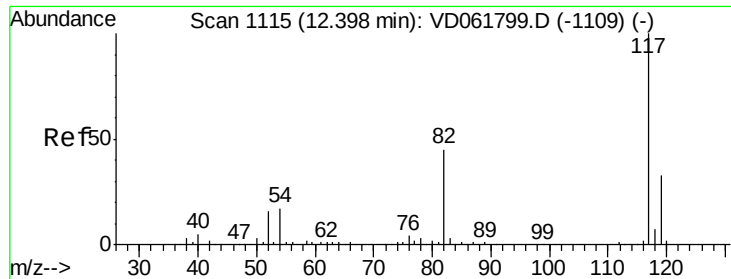
Tot Ion: 107 Resp: 595811
 Ion Ratio Lower Upper
 107 100
 109 96.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 101.238 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion: 95 Resp: 731177
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 181.8
 176 71.4 0.0 174.4

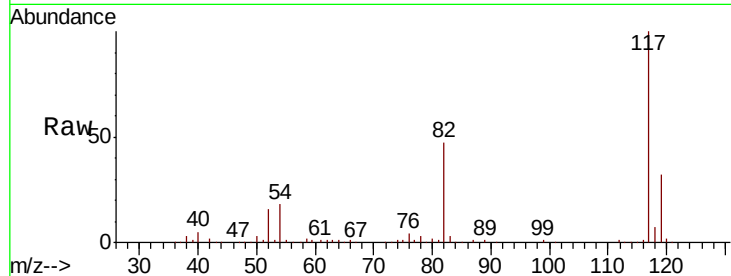




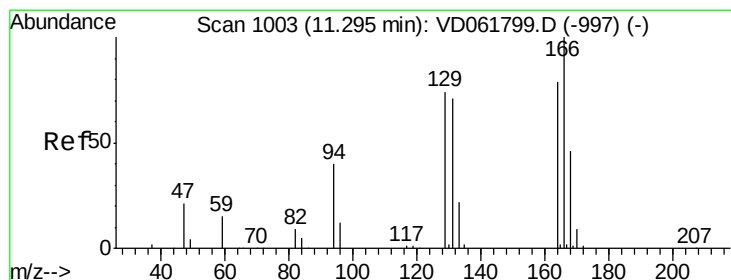
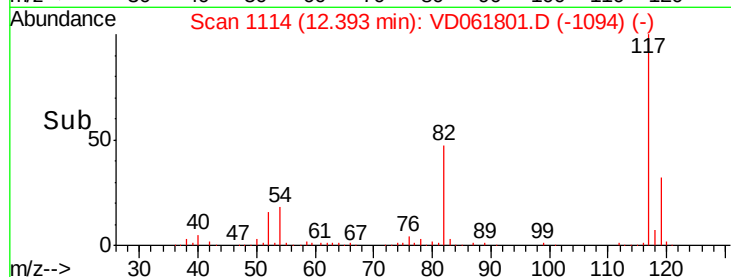
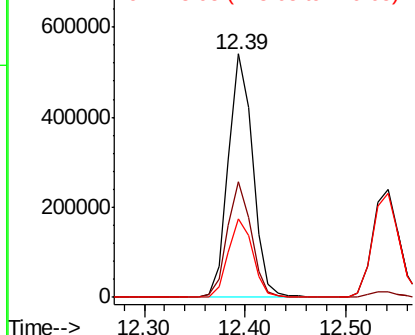
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 904575
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 32.0 26.2 39.4

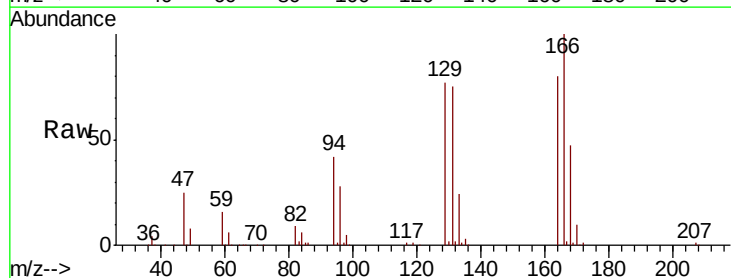


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

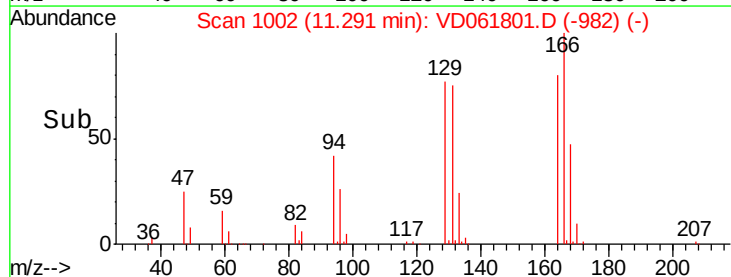
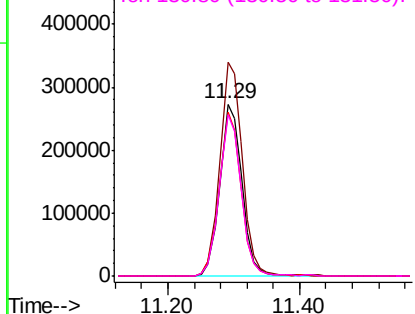


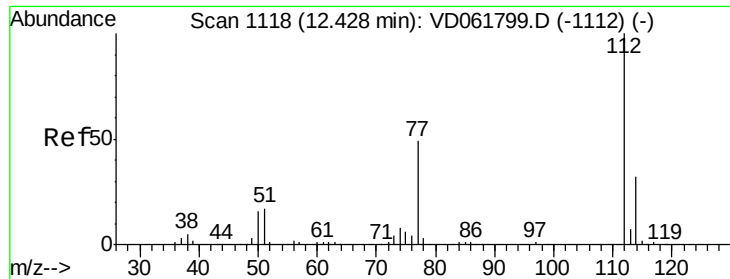
#64
Tetrachloroethene
Concen: 94.139 ug/l
RT: 11.29 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion:164 Resp: 638636
Ion Ratio Lower Upper
164 100
166 124.4 101.5 152.3
129 95.7 74.6 112.0
131 93.9 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

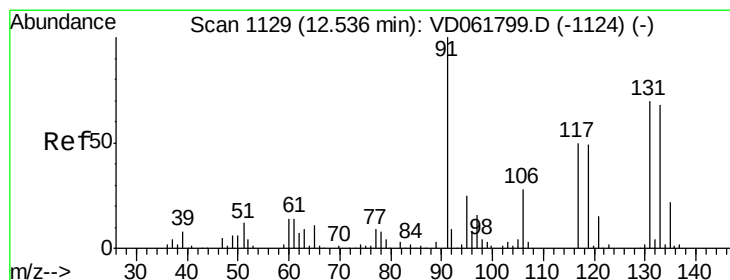
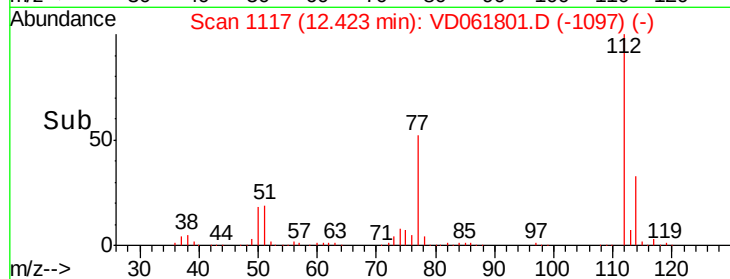
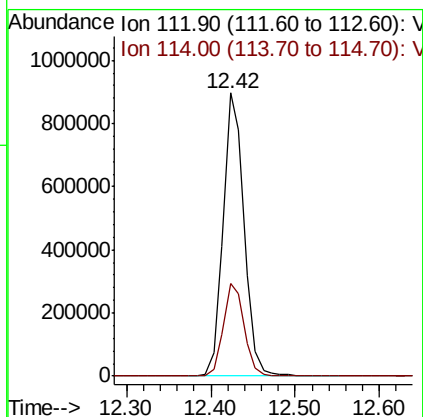
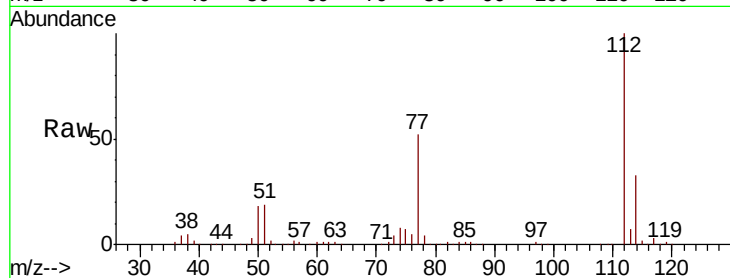




#65
Chlorobenzene
Concen: 91.324 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

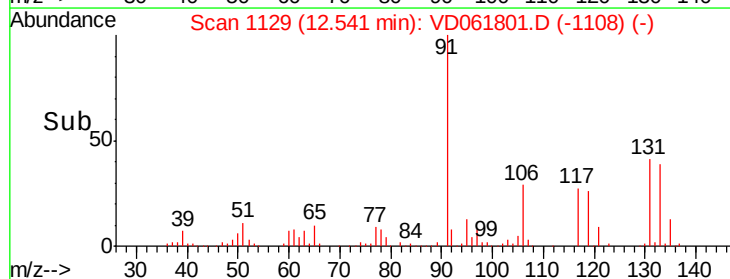
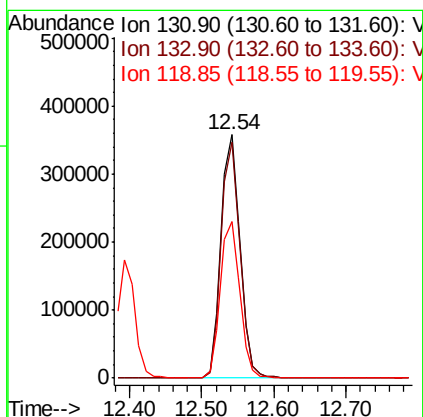
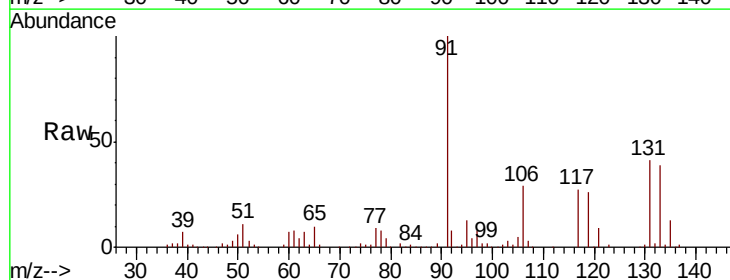
Instrument :
MSVOA_D
ClientSampled :

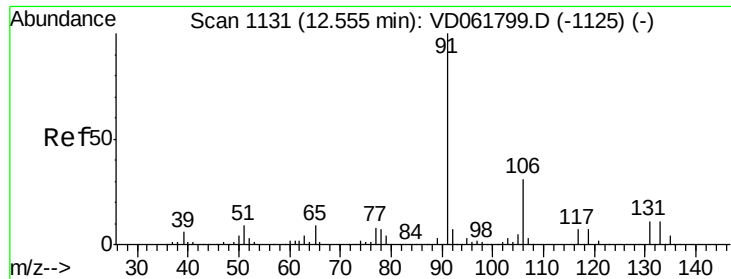
Tot Ion:112 Resp: 1538462
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 92.393 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion:131 Resp: 652266
Ion Ratio Lower Upper
131 100
133 96.7 48.6 145.8
119 64.4 34.7 104.1





#67

Ethyl Benzene

Concen: 86.236 ug/l

RT: 12.55 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

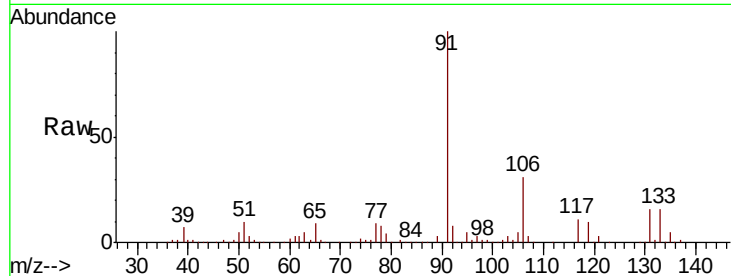
ClientSampleId :

Tot Ion: 91 Resp: 2326506

Ion Ratio Lower Upper

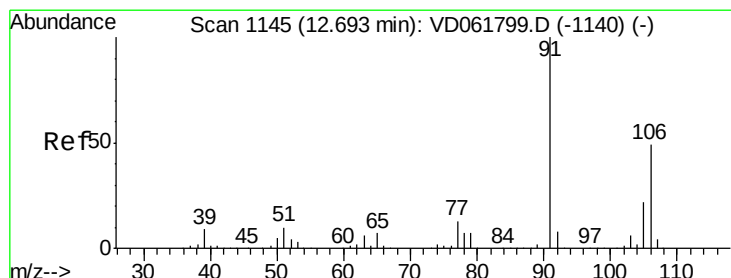
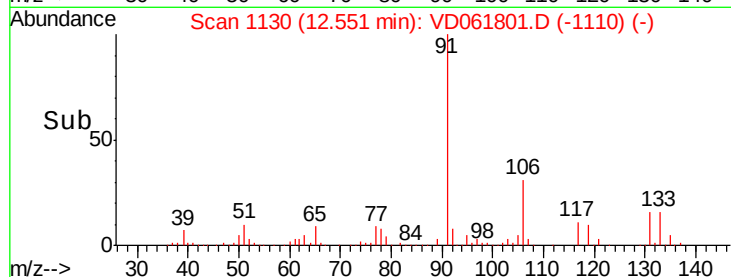
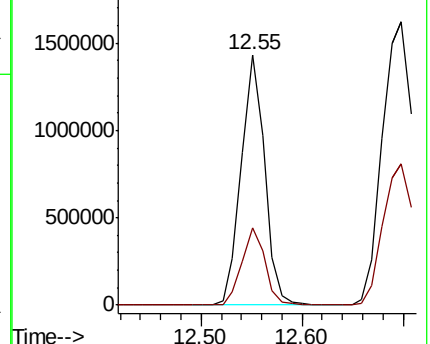
91 100

106 31.0 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 170.026 ug/l

RT: 12.70 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD061801.D

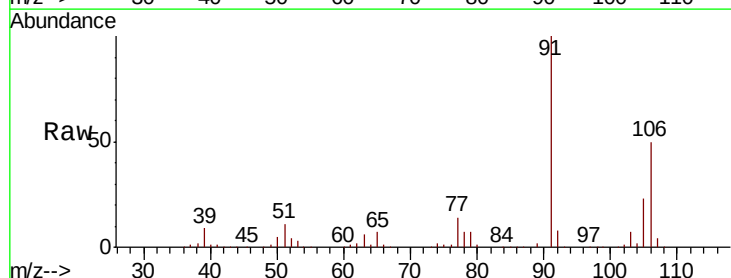
Acq: 15 Apr 2019 15:04

Tgt Ion:106 Resp: 1723012

Ion Ratio Lower Upper

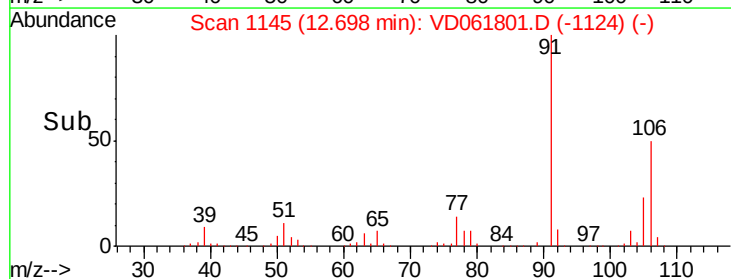
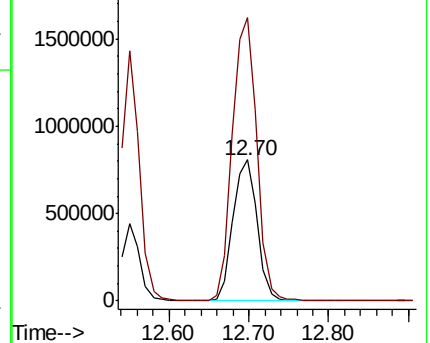
106 100

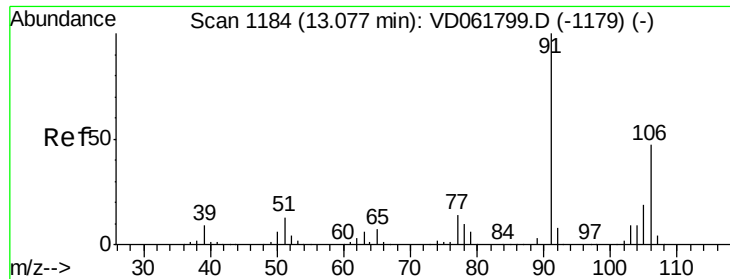
91 200.8 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

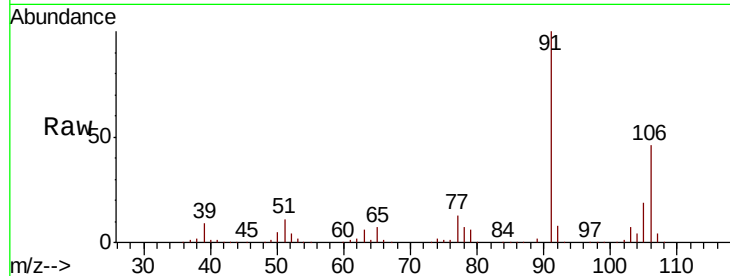




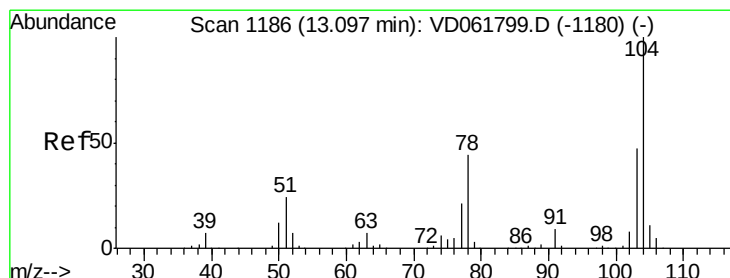
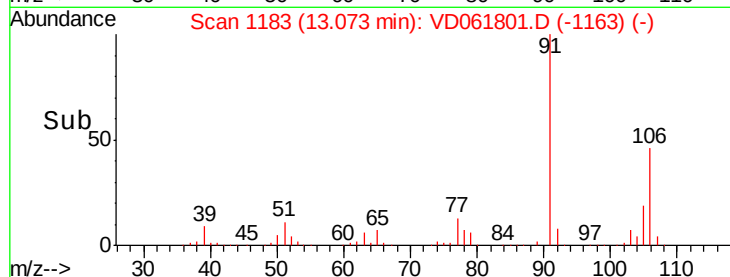
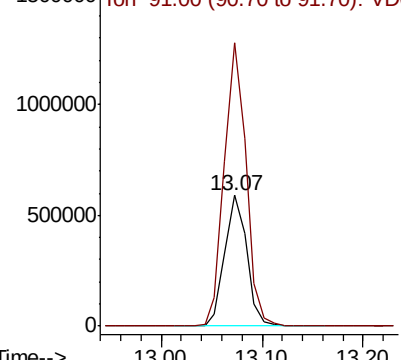
#69
o-Xylene
Concen: 94.627 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 901320
Ion Ratio Lower Upper
106 100
91 216.2 106.7 319.9

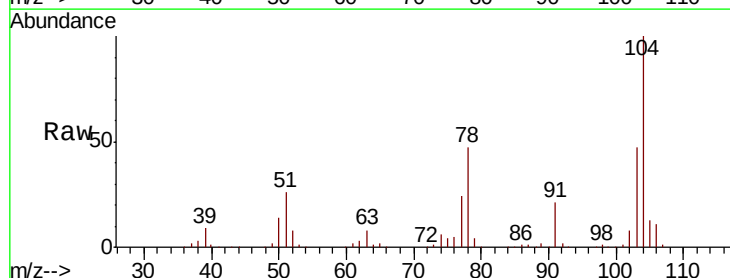


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

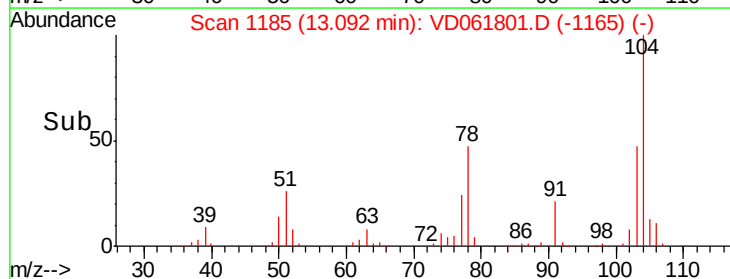
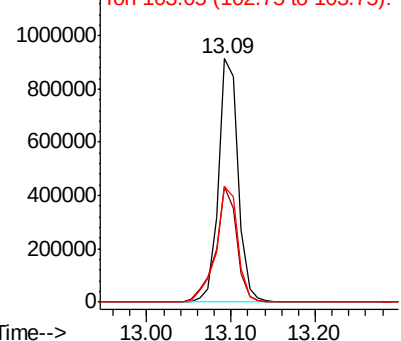


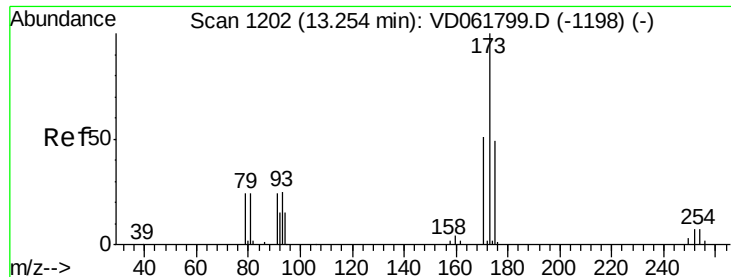
#70
Styrene
Concen: 90.007 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion:104 Resp: 1475319
Ion Ratio Lower Upper
104 100
78 47.5 35.4 53.2
103 47.4 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: 113.147 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

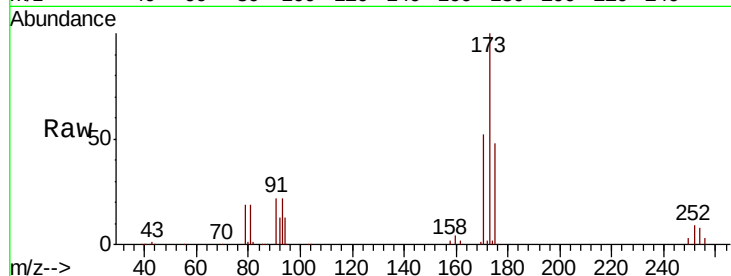
Tot Ion:173 Resp: 474143

Ion Ratio Lower Upper

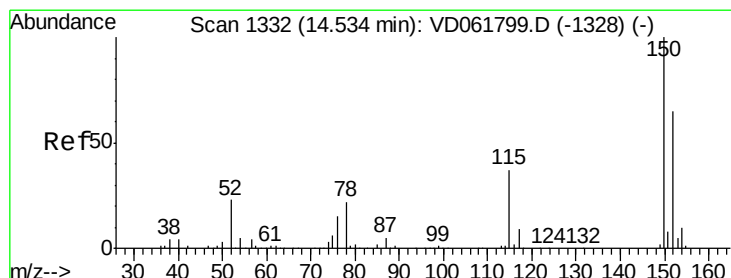
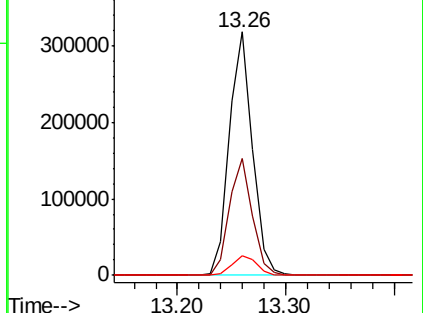
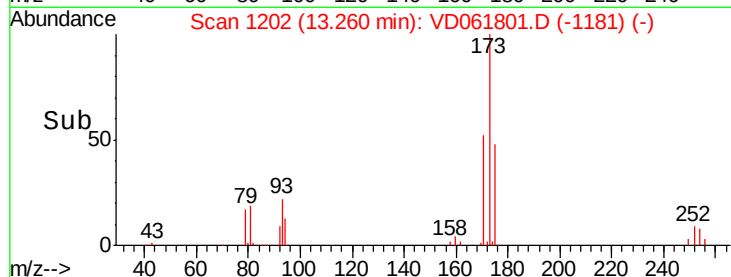
173 100

175 48.1 24.4 73.4

254 8.1 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: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

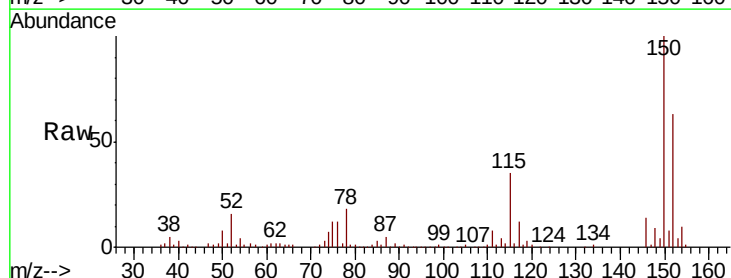
Tgt Ion:152 Resp: 377498

Ion Ratio Lower Upper

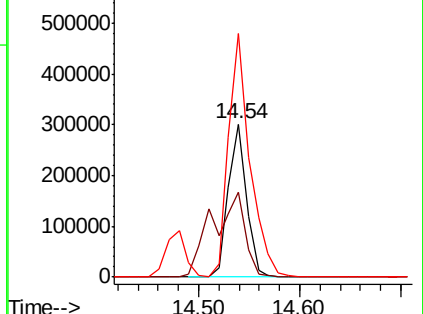
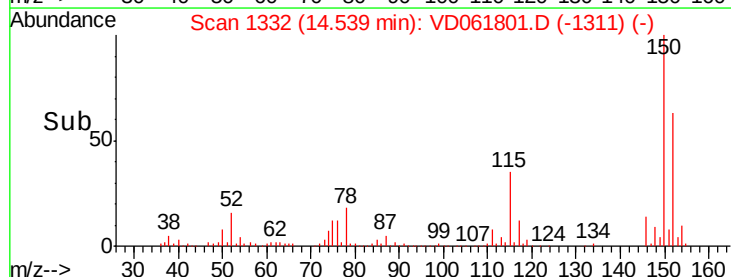
152 100

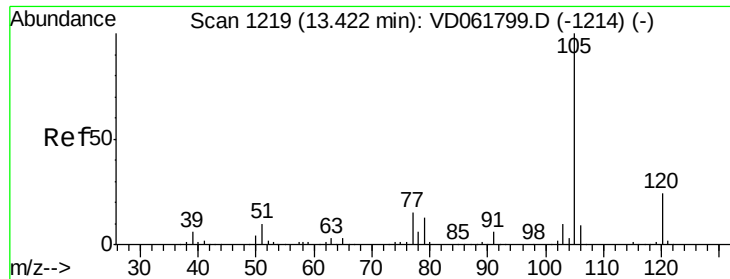
115 55.4 30.9 92.7

150 159.0 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: 100.072 ug/l

RT: 13.43 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

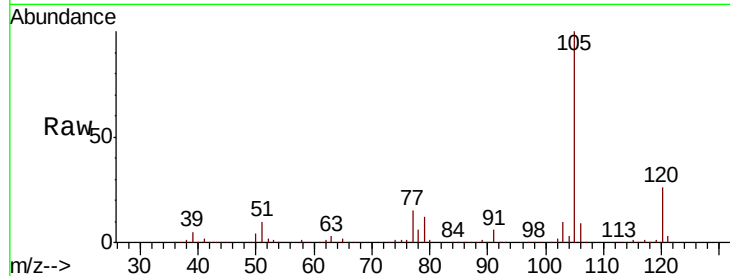
ClientSampleId :

Tot Ion:105 Resp: 2449973

Ion Ratio Lower Upper

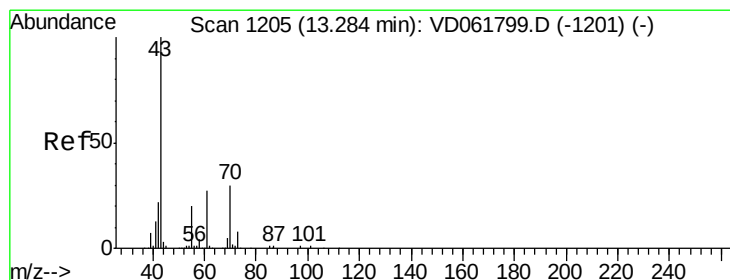
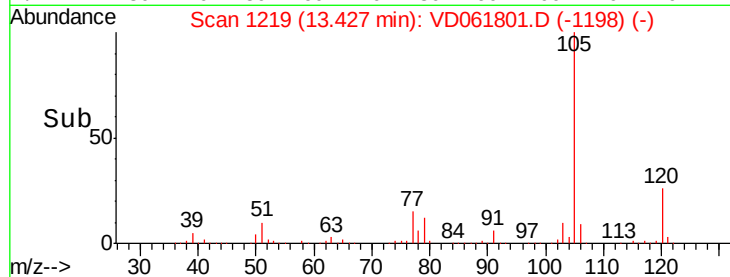
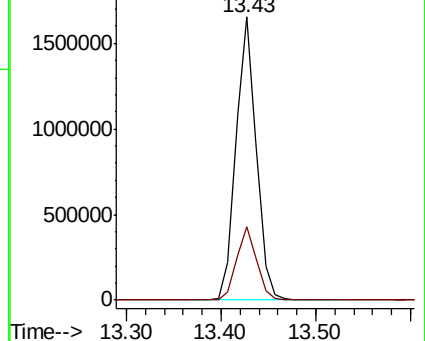
105 100

120 26.1 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: 116.867 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Tgt Ion: 43 Resp: 769372

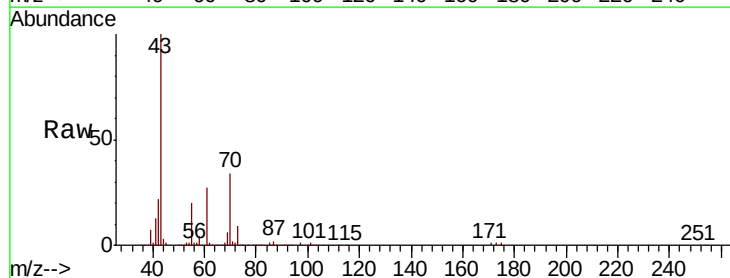
Ion Ratio Lower Upper

43 100

70 34.2 24.2 36.4

55 20.1 16.0 24.0

61 26.9 21.6 32.4

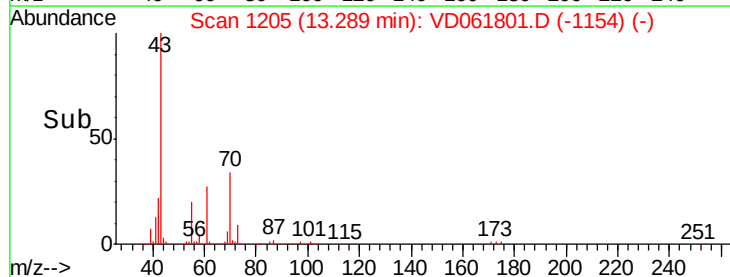
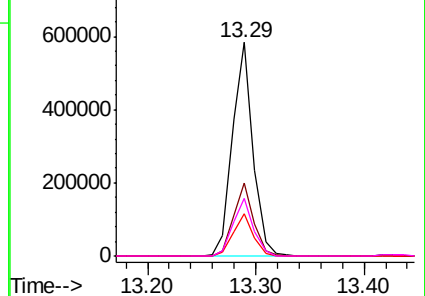


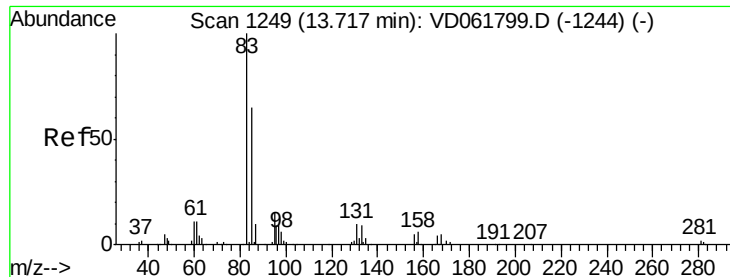
Abundance Ion 42.95 (42.65 to 43.65): V

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: 113.960 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampled :

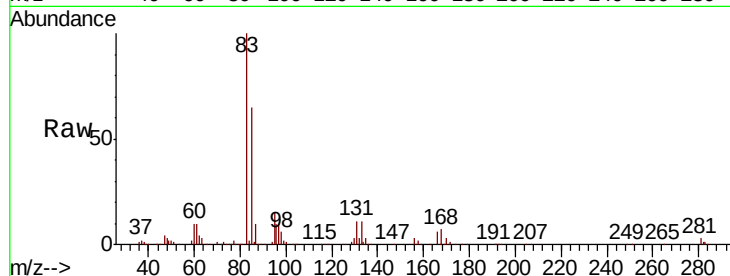
Tot Ion: 83 Resp: 551482

Ion Ratio Lower Upper

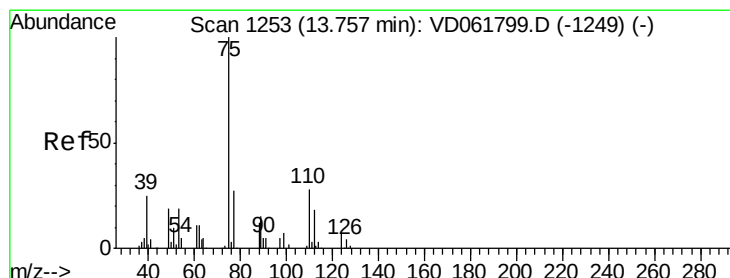
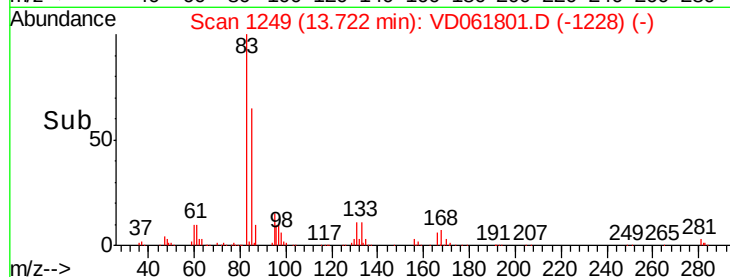
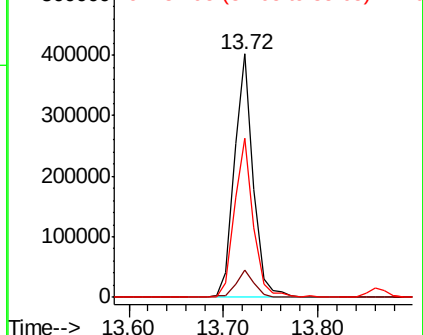
83 100

131 11.1 5.0 14.9

85 65.1 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: 103.256 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD061801.D

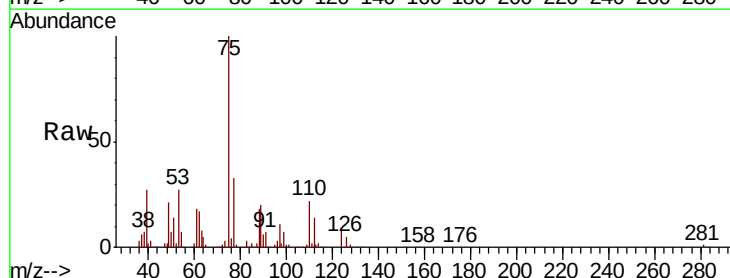
Acq: 15 Apr 2019 15:04

Tgt Ion: 75 Resp: 511895

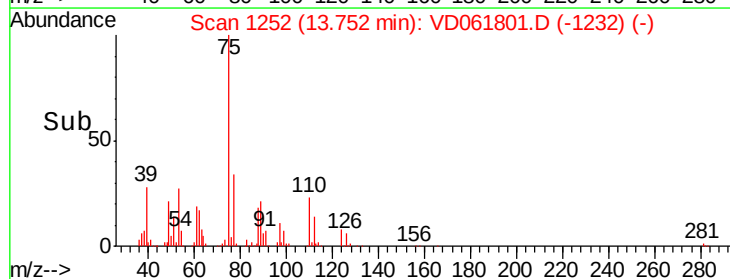
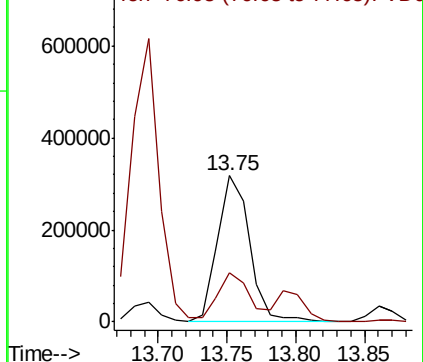
Ion Ratio Lower Upper

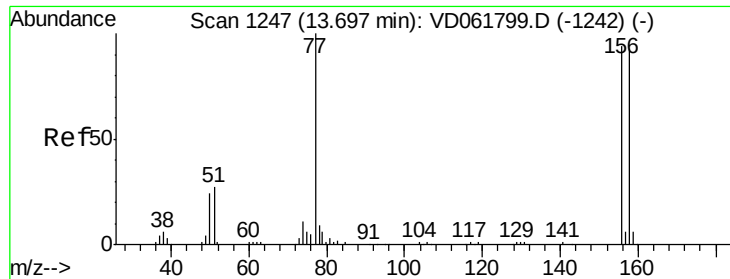
75 100

77 33.2 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: 101.526 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

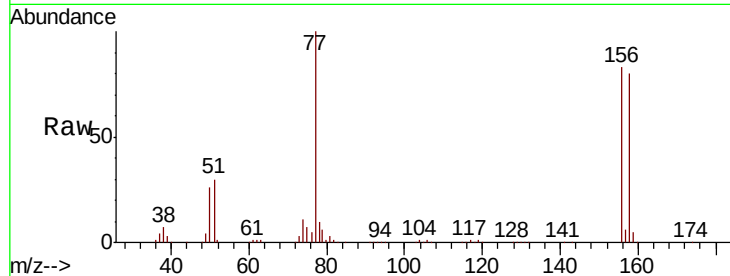
Tot Ion:156 Resp: 706056

Ion Ratio Lower Upper

156 100

77 120.6 53.1 159.4

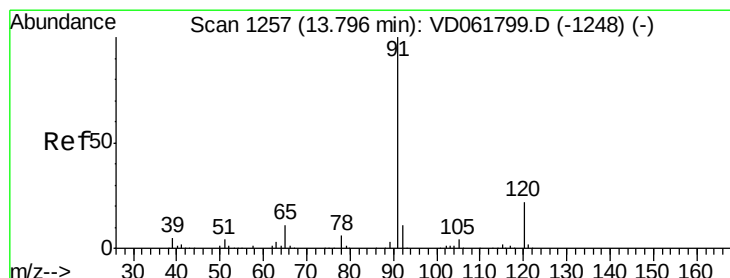
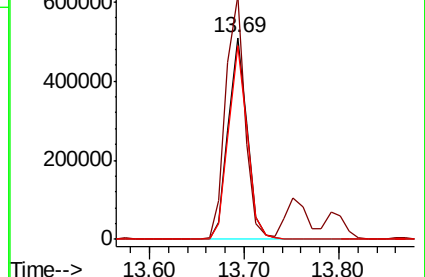
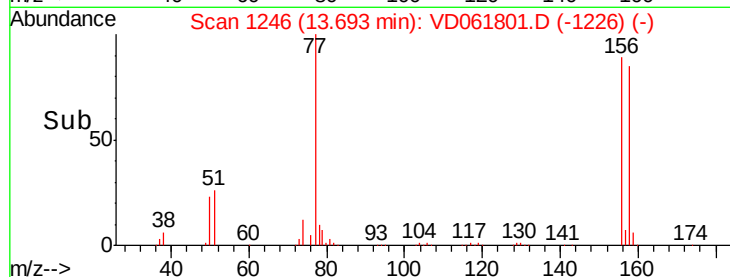
158 96.2 49.4 148.0



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: 90.844 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VD061801.D

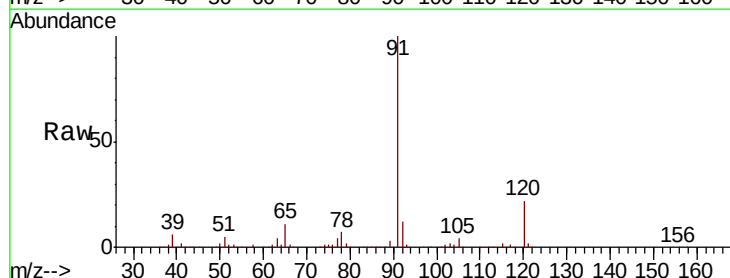
Acq: 15 Apr 2019 15:04

Tgt Ion: 91 Resp: 2569572

Ion Ratio Lower Upper

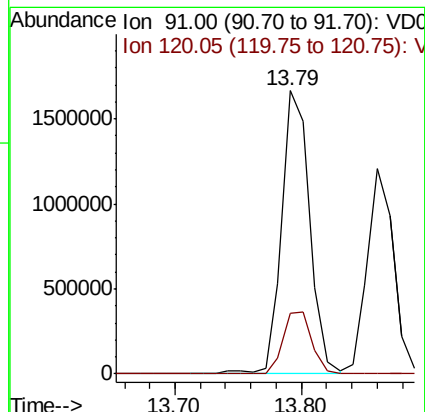
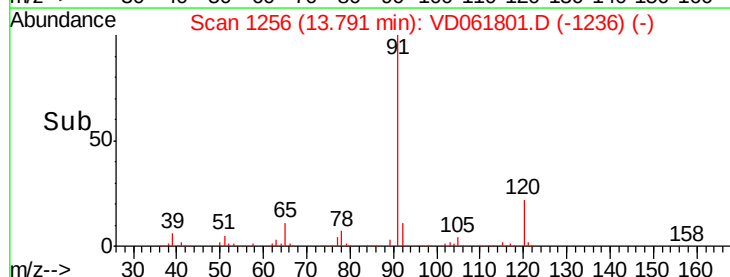
91 100

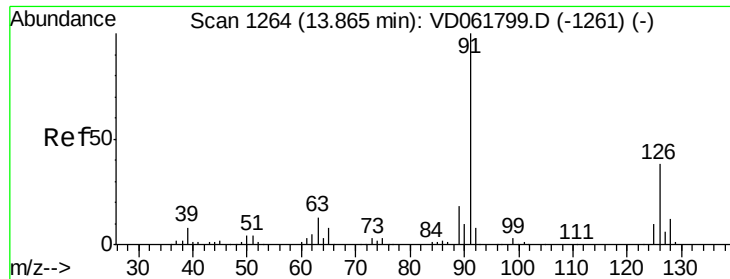
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

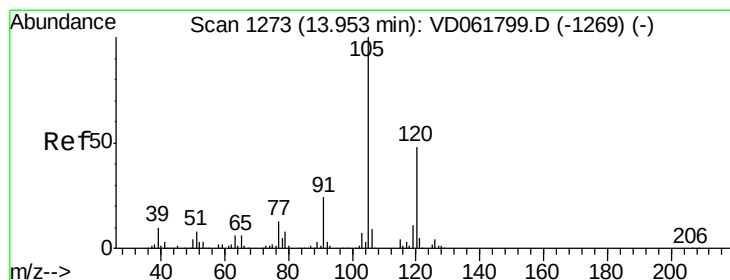
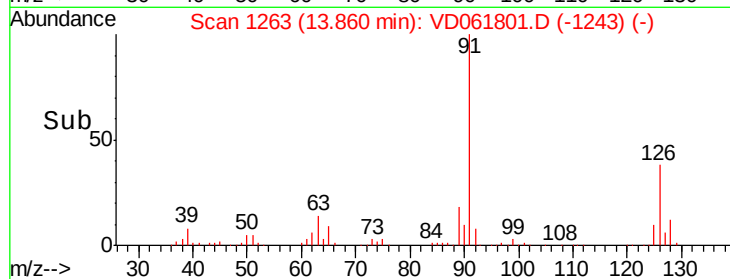
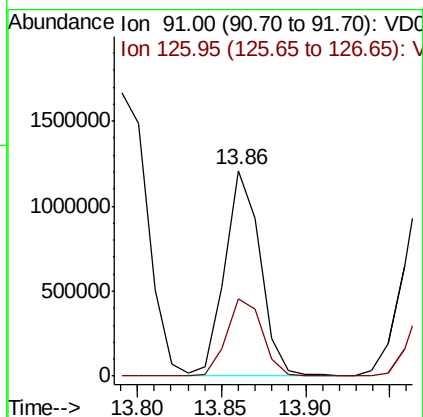
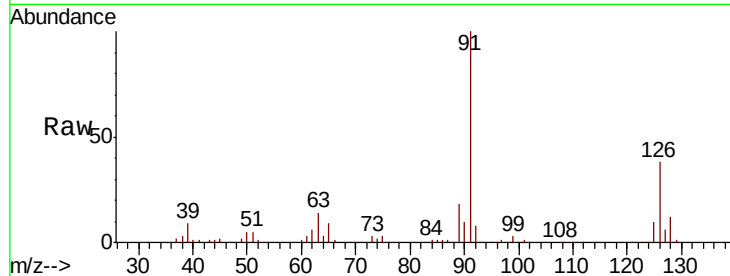




#79
 2-Chlorotoluene
 Concen: 106.808 ug/l
 RT: 13.86 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

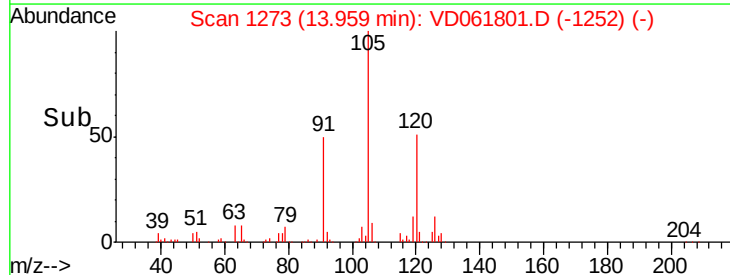
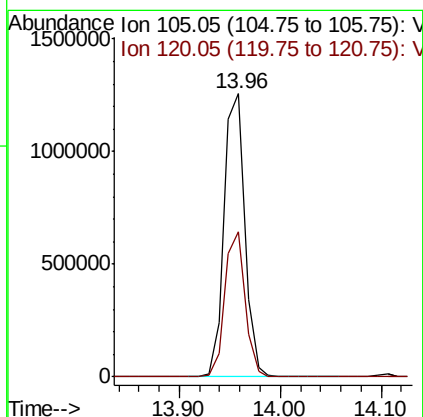
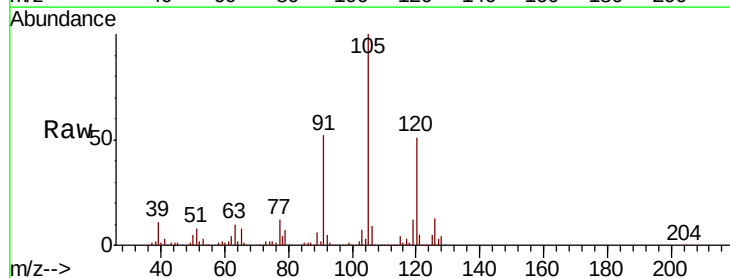
Instrument :
 MSVOA_D
 ClientSampled :

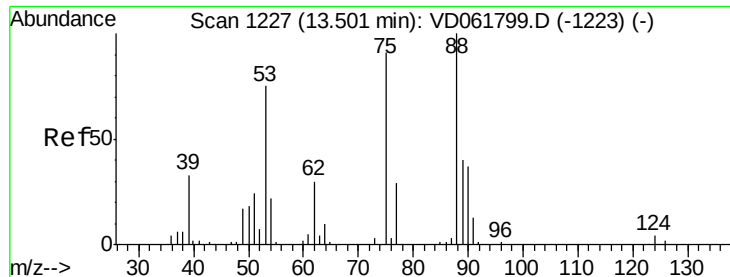
Tot Ion: 91 Resp: 1754447
 Ion Ratio Lower Upper
 91 100
 126 37.7 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 92.702 ug/l
 RT: 13.96 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:105 Resp: 1800793
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 116.369 ug/l

RT: 13.50 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampled :

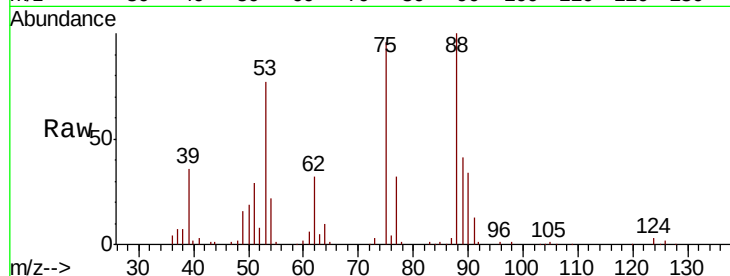
Tot Ion: 75 Resp: 164342

Ion Ratio Lower Upper

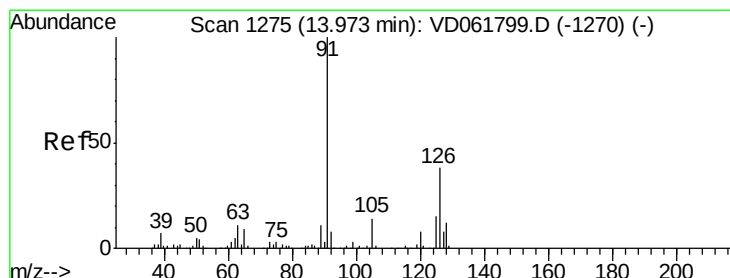
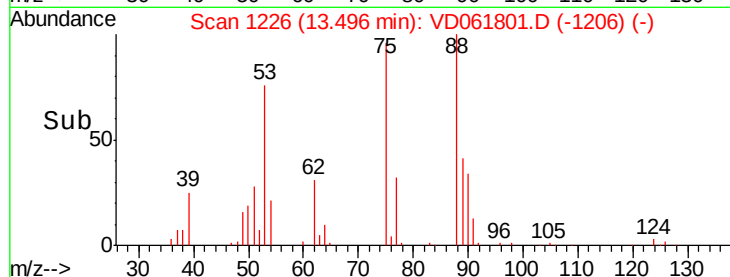
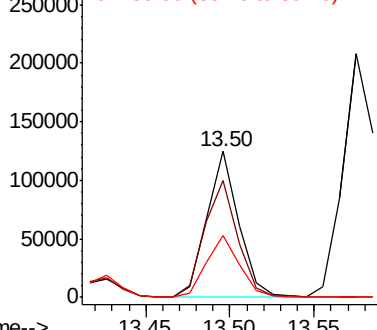
75 100

53 80.0 65.8 98.8

89 42.6 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



#82

4-Chlorotoluene

Concen: 92.191 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VD061801.D

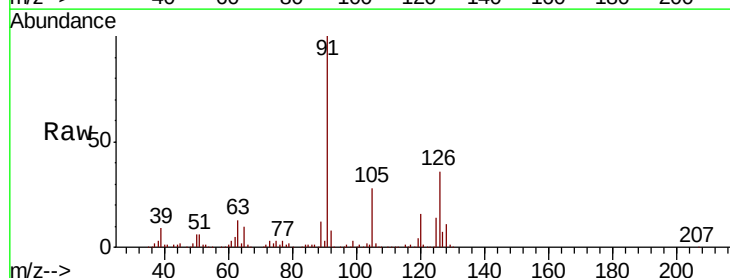
Acq: 15 Apr 2019 15:04

Tgt Ion: 91 Resp: 1743616

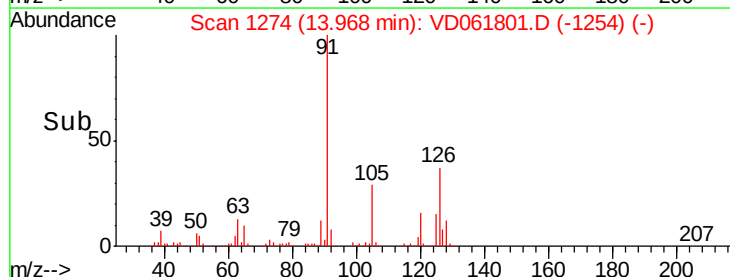
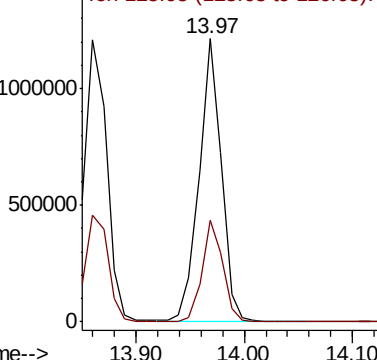
Ion Ratio Lower Upper

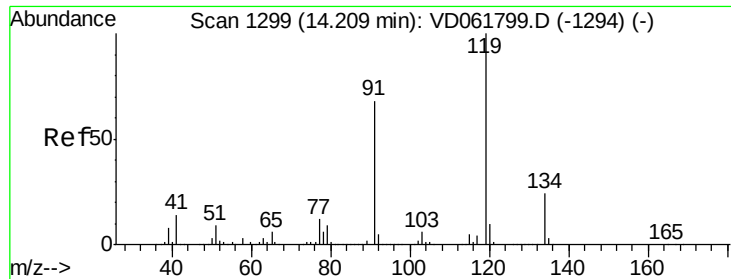
91 100

126 36.1 19.1 57.5



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





#83

tert-Butylbenzene

Concen: 98.539 ug/l

RT: 14.21 min Scan# 1299

Delta R.T. 0.01 min

Lab File: VD061801.D

Acq: 15 Apr 2019 15:04

Instrument :

MSVOA_D

ClientSampled :

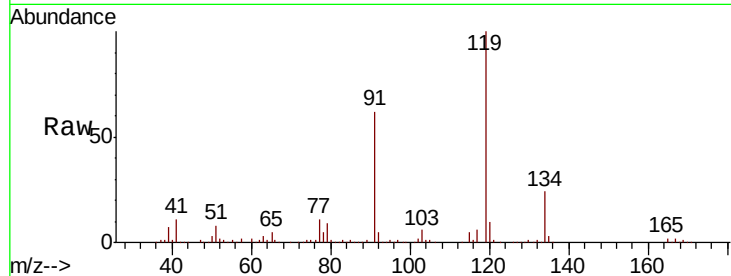
Tot Ion:119 Resp: 2247595

Ion Ratio Lower Upper

119 100

91 61.5 34.2 102.6

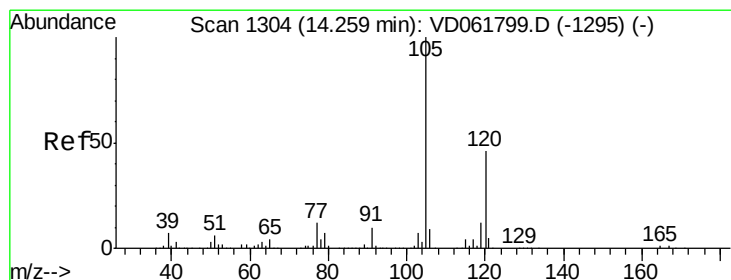
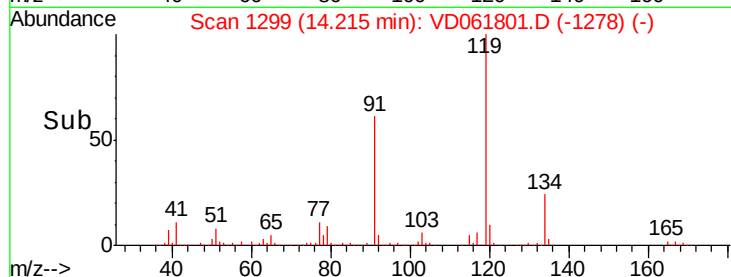
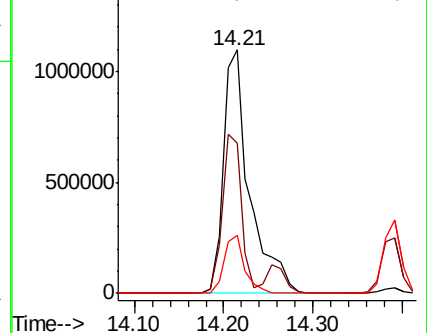
134 23.6 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 91.342 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VD061801.D

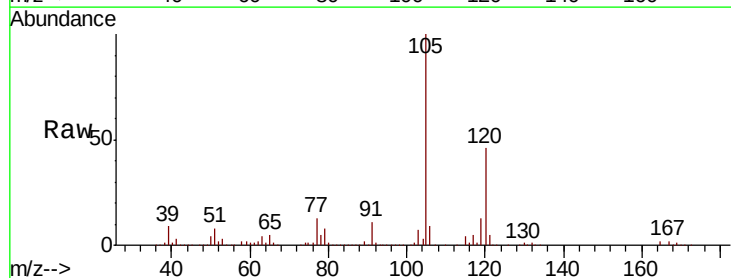
Acq: 15 Apr 2019 15:04

Tgt Ion:105 Resp: 1783580

Ion Ratio Lower Upper

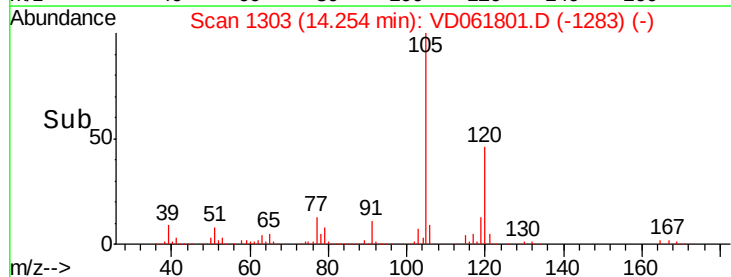
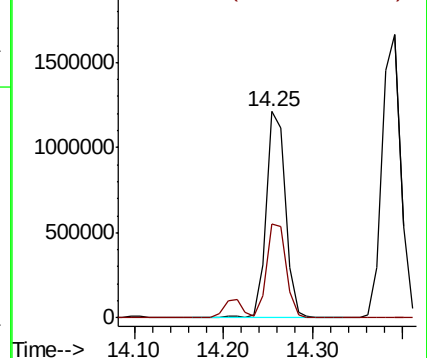
105 100

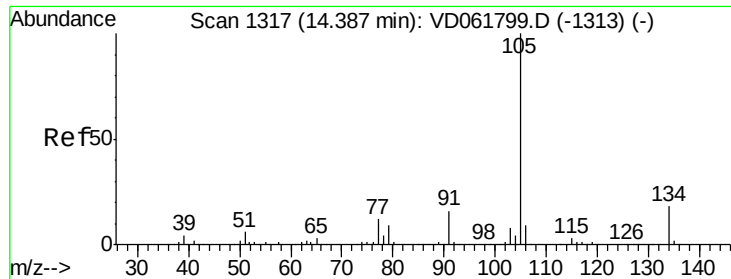
120 45.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

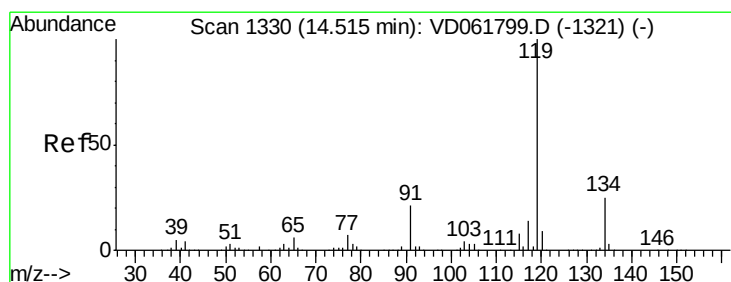
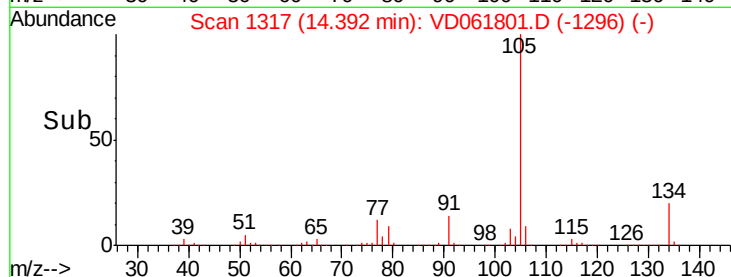
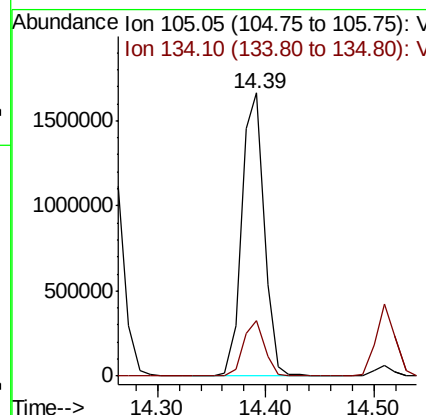
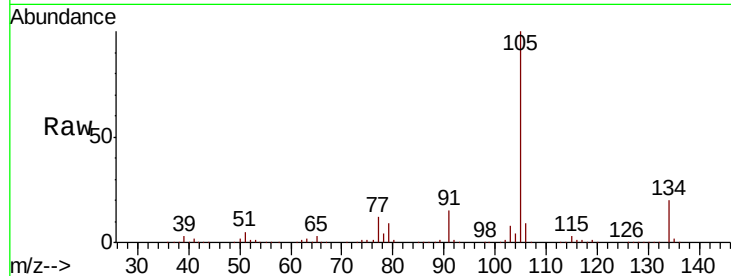




#85
 sec-Butylbenzene
 Concen: 100.976 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

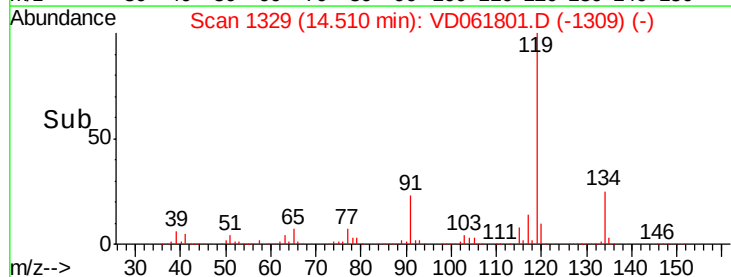
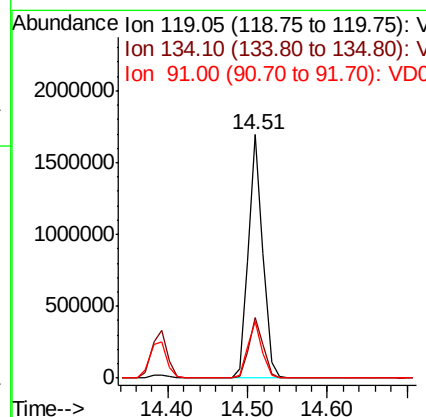
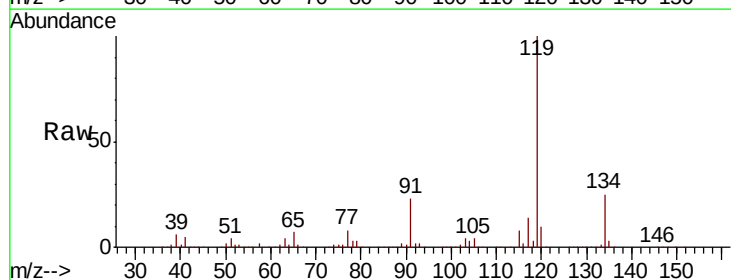
Instrument :
 MSVOA_D
 ClientSampleId :

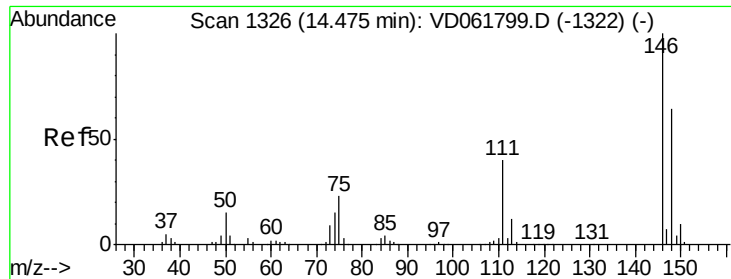
Tot Ion:105 Resp: 2380948
 Ion Ratio Lower Upper
 105 100
 134 19.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 96.173 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:119 Resp: 2121762
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 23.2 10.7 32.1

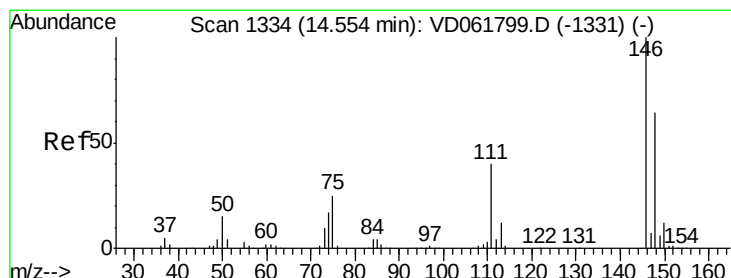
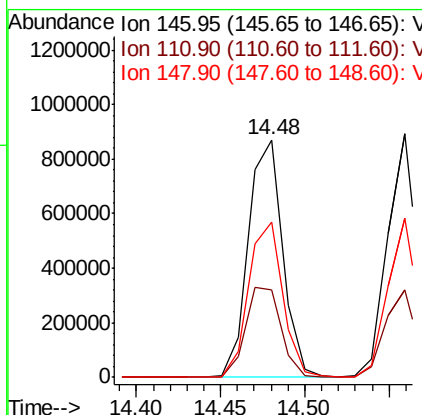
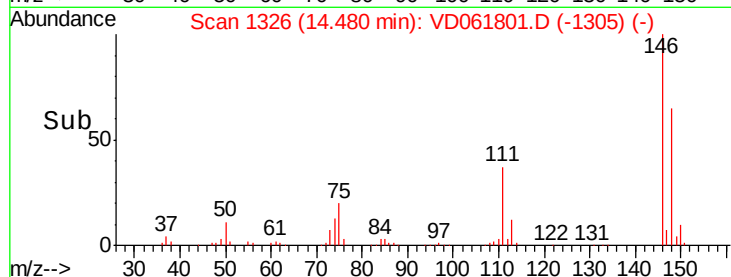
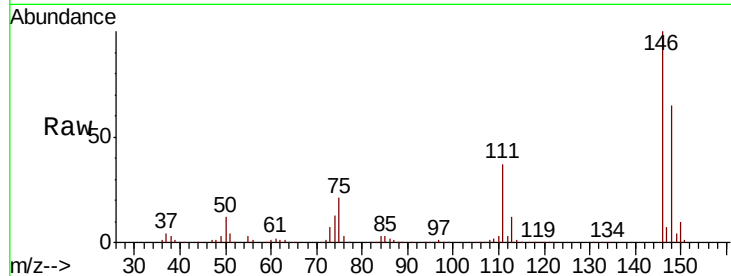




#87
 1,3-Dichlorobenzene
 Concen: 101.683 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

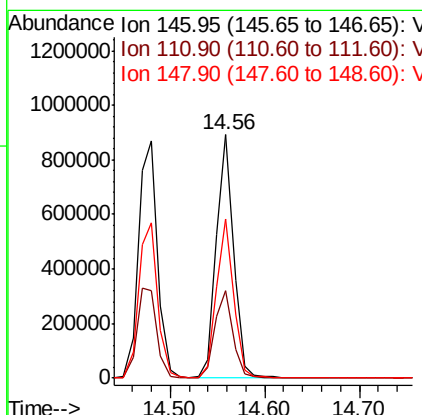
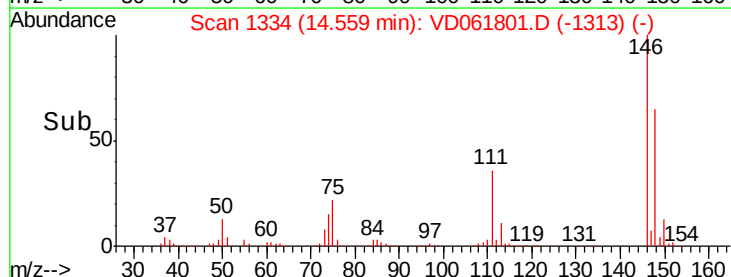
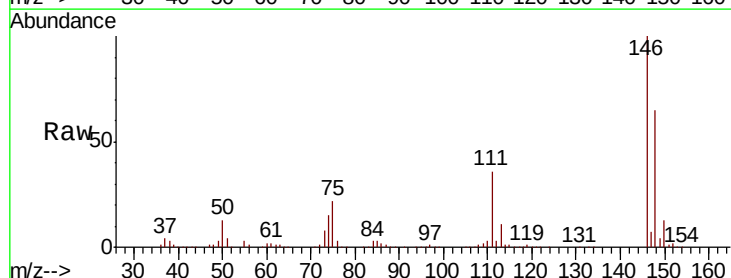
Instrument :
 MSVOA_D
 ClientSampled :

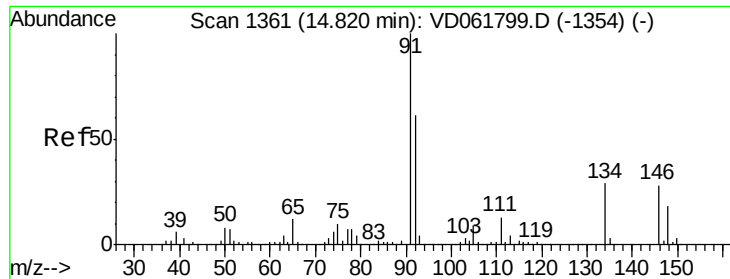
Tot Ion:146 Resp: 1234509
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.0 60.0
 148 65.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 94.303 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion:146 Resp: 1131760
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 65.3 32.0 96.2

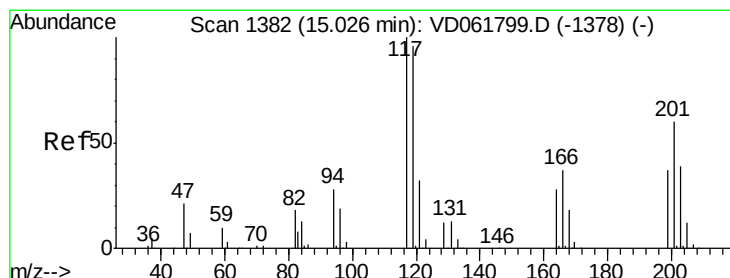
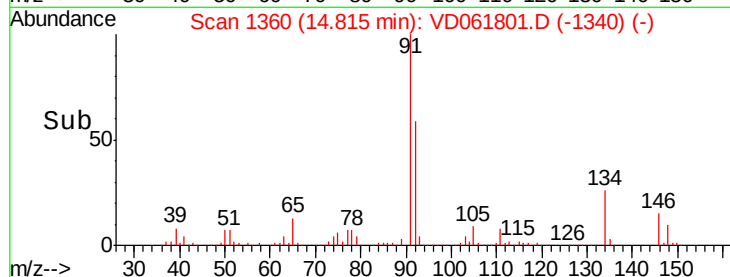
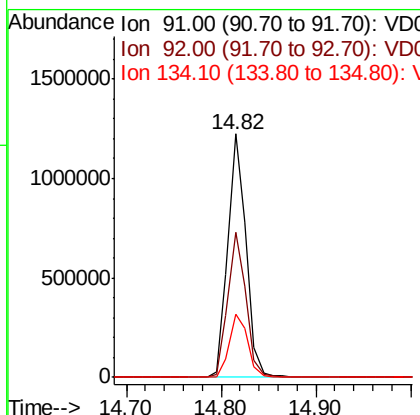
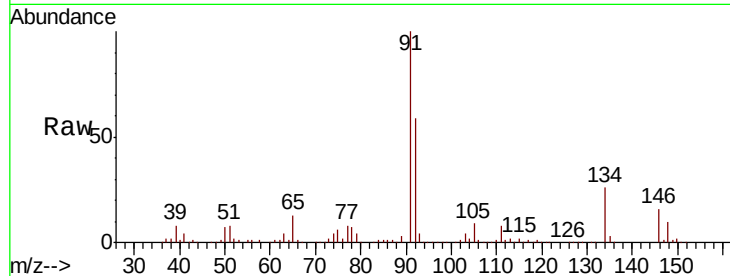




#89
n-Butylbenzene
Concen: 83.106 ug/l
RT: 14.82 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

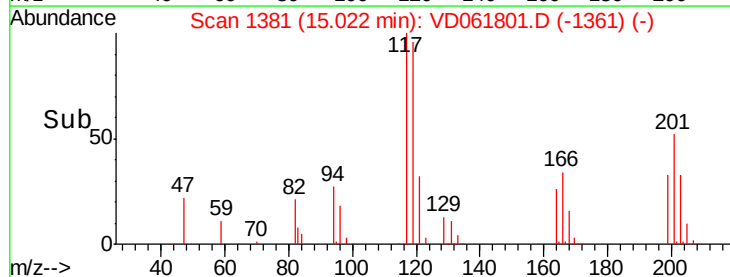
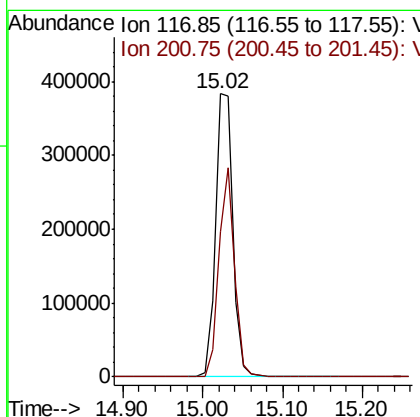
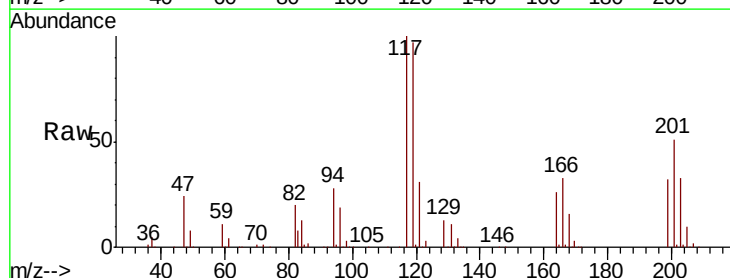
Instrument :
MSVOA_D
ClientSampleId :

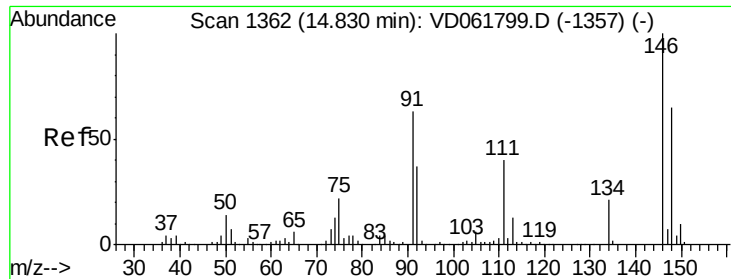
Tot Ion: 91 Resp: 1622957
Ion Ratio Lower Upper
91 100
92 59.3 30.3 91.0
134 25.8 14.5 43.6



#90
Hexachloroethane
Concen: 98.192 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion: 117 Resp: 590450
Ion Ratio Lower Upper
117 100
201 51.3 30.2 90.6

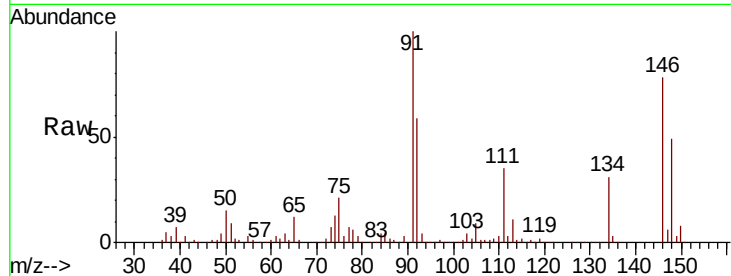




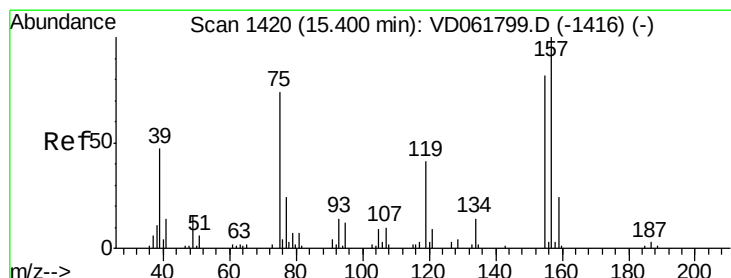
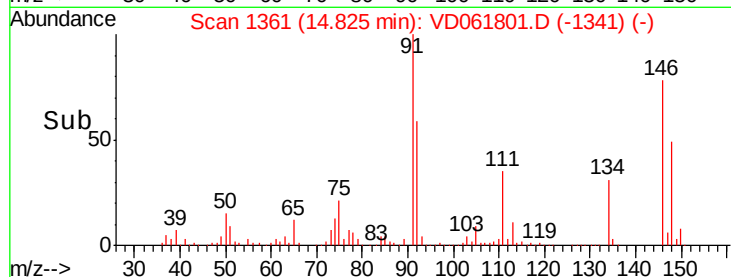
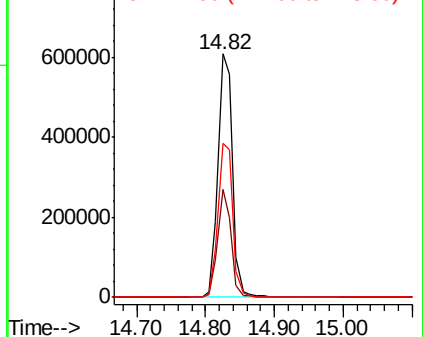
#91
 1,2-Dichlorobenzene
 Concen: 87.647 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 891340
 Ion Ratio Lower Upper
 146 100
 111 44.6 20.0 59.9
 148 63.4 32.3 96.8

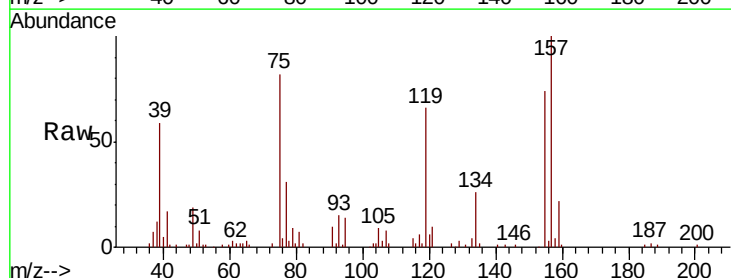


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

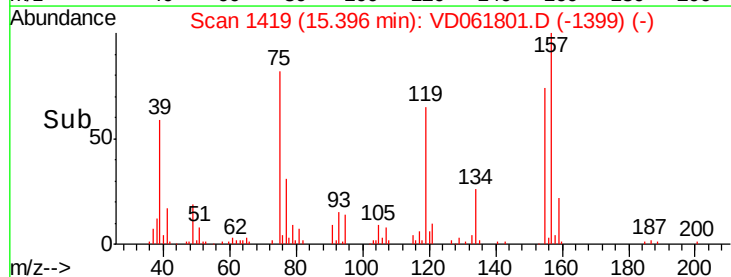
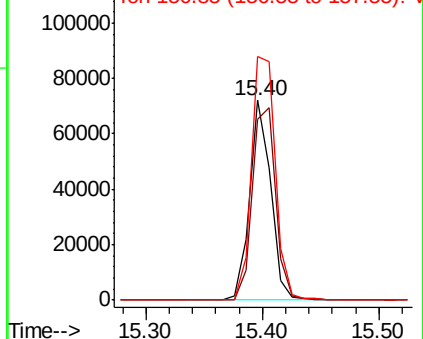


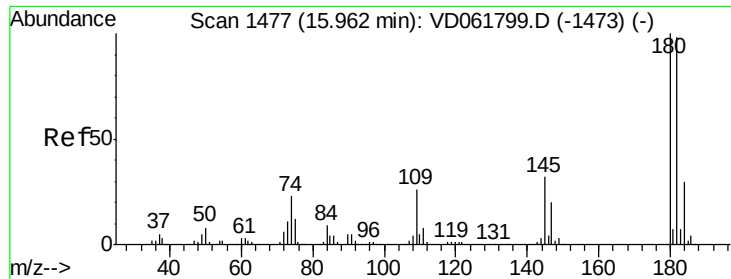
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.417 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion: 75 Resp: 90071
 Ion Ratio Lower Upper
 75 100
 155 90.7 55.3 165.8
 157 121.9 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

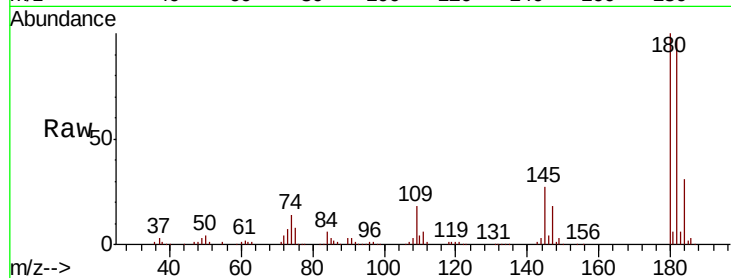




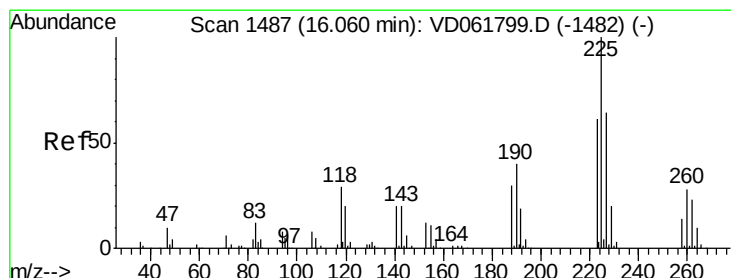
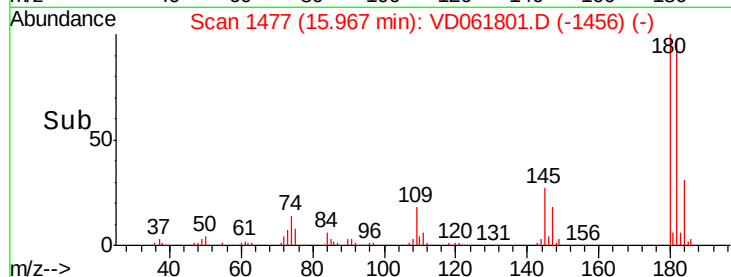
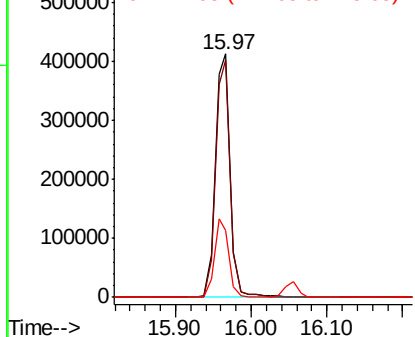
#93
 1,2,4-Trichlorobenzene
 Concen: 103.227 ug/l
 RT: 15.97 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	49.3	147.8
145	27.4	16.2	48.6

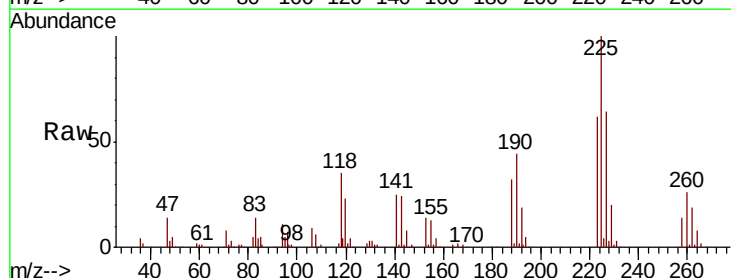


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

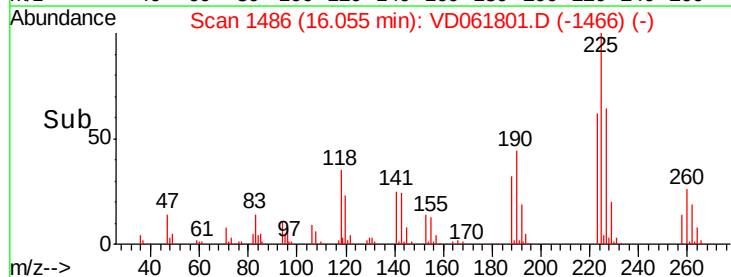
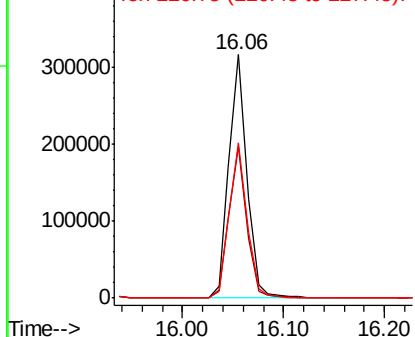


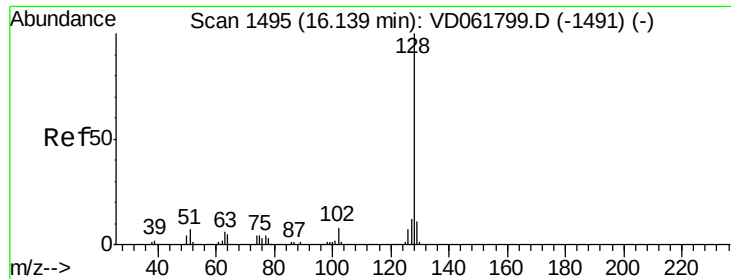
#94
 Hexachlorobutadiene
 Concen: 97.057 ug/l
 RT: 16.06 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD061801.D
 Acq: 15 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.6	92.0
227	64.0	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

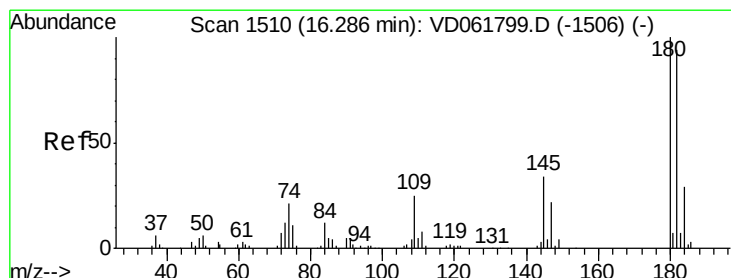
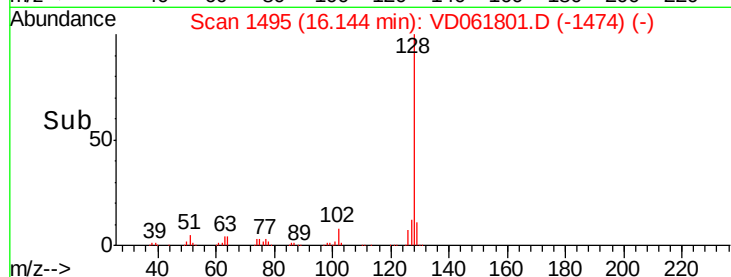
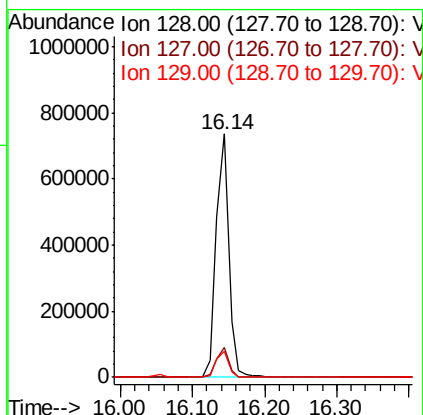
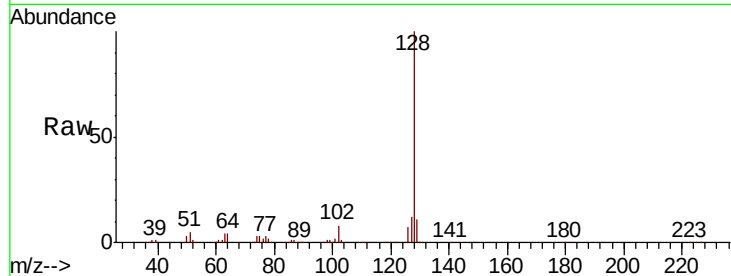




#95
Naphthalene
Concen: 103.682 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 887630
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 91.928 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VD061801.D
Acq: 15 Apr 2019 15:04

Tgt Ion:180 Resp: 292606
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 29.6 17.0 51.0

