

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061535.D
 Acq On : 3 Apr 2019 3:39
 Operator : VA/AP
 Sample : VD0402SBS03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

Quant Time: Apr 03 04:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	548360	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	960776	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	837313	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	378637	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	279361	59.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	119.28%	
35) Dibromofluoromethane	6.94	113	423615	57.70	ug/l	0.04
Spiked Amount	50.000		Recovery	=	115.40%	
50) Toluene-d8	10.42	98	941495	53.46	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	13.56	95	403968	59.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	128367	21.920	ug/l	92
3) Chloromethane	1.77	50	100447	21.031	ug/l	98
4) Vinyl Chloride	1.86	62	89908	20.502	ug/l	94
5) Bromomethane	2.17	94	16790	19.308	ug/l	98
6) Chloroethane	2.28	64	25148	19.555	ug/l	94
7) Trichlorofluoromethane	2.54	101	132641	20.800	ug/l	95
8) Diethyl Ether	2.90	74	43021	20.954	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	157274	22.941	ug/l	92
10) Methyl Iodide	3.32	142	173977	19.002	ug/l	97
11) Tert butyl alcohol	4.09	59	32370	110.961	ug/l	100
12) 1,1-Dichloroethene	3.14	96	131914	22.412	ug/l	95
13) Acrolein	3.05	56	17101	59.476	ug/l	95
14) Allyl chloride	3.64	41	185708	22.621	ug/l	96
15) Acrylonitrile	4.21	53	120552	119.062	ug/l	97
16) Acetone	3.24	43	117338	97.442	ug/l	95
17) Carbon Disulfide	3.39	76	378857	19.811	ug/l	99
18) Methyl Acetate	3.65	43	62319	24.614	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	228006	22.379	ug/l	98
20) Methylene Chloride	3.83	84	173163	24.698	ug/l	100
21) trans-1,2-Dichloroethene	4.24	96	142949	22.495	ug/l	96
22) Diisopropyl ether	5.14	45	399820	23.015	ug/l	99
23) Vinyl Acetate	5.07	43	1048247	111.083	ug/l	96
24) 1,1-Dichloroethane	5.00	63	236940	23.207	ug/l	98
25) 2-Butanone	6.09	43	163897	108.201	ug/l	100
26) 2,2-Dichloropropane	6.05	77	177879	21.917	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	167970	24.125	ug/l	98
28) Bromochloromethane	6.45	49	95715	23.224	ug/l #	99
29) Tetrahydrofuran	6.48	42	80569	109.738	ug/l	99
30) Chloroform	6.69	83	266823	25.293	ug/l	95
31) Cyclohexane	6.97	56	177479	21.998	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	227987	24.497	ug/l	97
36) 1,1-Dichloropropene	7.16	75	191666	22.857	ug/l	98
37) Ethyl Acetate	6.19	43	80679	22.497	ug/l	98
38) Carbon Tetrachloride	7.13	117	218909	22.719	ug/l	94

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Quant Time: Apr 03 04:55:03 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	184379	21.112	ug/l	100
40) Benzene	7.46	78	472646	22.459	ug/l	96
41) Methacrylonitrile	6.45	41	92531	22.067	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	148841	23.644	ug/l	96
43) Isopropyl Acetate	9.25	43	120013	23.000	ug/l	96
44) Trichloroethene	8.56	130	168713	21.542	ug/l	100
45) 1,2-Dichloropropane	8.95	63	129070	24.187	ug/l	100
46) Dibromomethane	9.08	93	83565	23.265	ug/l	98
47) Bromodichloromethane	9.38	83	195566	24.259	ug/l	96
48) Methyl methacrylate	9.13	41	70550	24.499	ug/l	97
49) 1,4-Dioxane	9.09	88	15826	498.255	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	361079	113.742	ug/l	99
52) Toluene	10.52	92	309040	24.070	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	163961	22.386	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	205716	23.066	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	97409	21.694	ug/l	100
56) Ethyl methacrylate	11.05	69	113419	23.513	ug/l	92
57) 1,3-Dichloropropane	11.41	76	154614	23.428	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	298661	127.141	ug/l	98
59) 2-Hexanone	11.54	43	251478	109.336	ug/l	99
60) Dibromochloromethane	11.70	129	162434	23.466	ug/l	96
61) 1,2-Dibromoethane	11.82	107	125562	24.150	ug/l	95
64) Tetrachloroethene	11.26	164	134730	20.502	ug/l	96
65) Chlorobenzene	12.41	112	352858	20.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	150019	22.643	ug/l	99
67) Ethyl Benzene	12.52	91	601126	23.015	ug/l	98
68) m/p-Xylenes	12.67	106	420846	42.535	ug/l	93
69) o-Xylene	13.06	106	217972	22.702	ug/l	95
70) Styrene	13.08	104	368747	22.032	ug/l	96
71) Bromoform	13.24	173	85638	20.390	ug/l #	98
73) Isopropylbenzene	13.41	105	562005	21.326	ug/l	100
74) N-amyl acetate	13.27	43	156194	21.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	112836	20.297	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	108088	19.762	ug/l	99
77) Bromobenzene	13.68	156	165389	21.170	ug/l	85
78) n-propylbenzene	13.77	91	638517	19.799	ug/l	95
79) 2-Chlorotoluene	13.84	91	393160	22.452	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	486920	23.814	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	33564	20.126	ug/l	91
82) 4-Chlorotoluene	13.95	91	465023	24.423	ug/l	93
83) tert-Butylbenzene	14.20	119	518553	20.293	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	478911	21.635	ug/l	98
85) sec-Butylbenzene	14.38	105	618066	22.768	ug/l	96
86) p-Isopropyltoluene	14.49	119	514593	22.418	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	283318	21.415	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	264677	20.515	ug/l	98
89) n-Butylbenzene	14.80	91	433870	20.593	ug/l	98
90) Hexachloroethane	15.02	117	129274	19.935	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	236225	21.769	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13442	20.617	ug/l	91

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

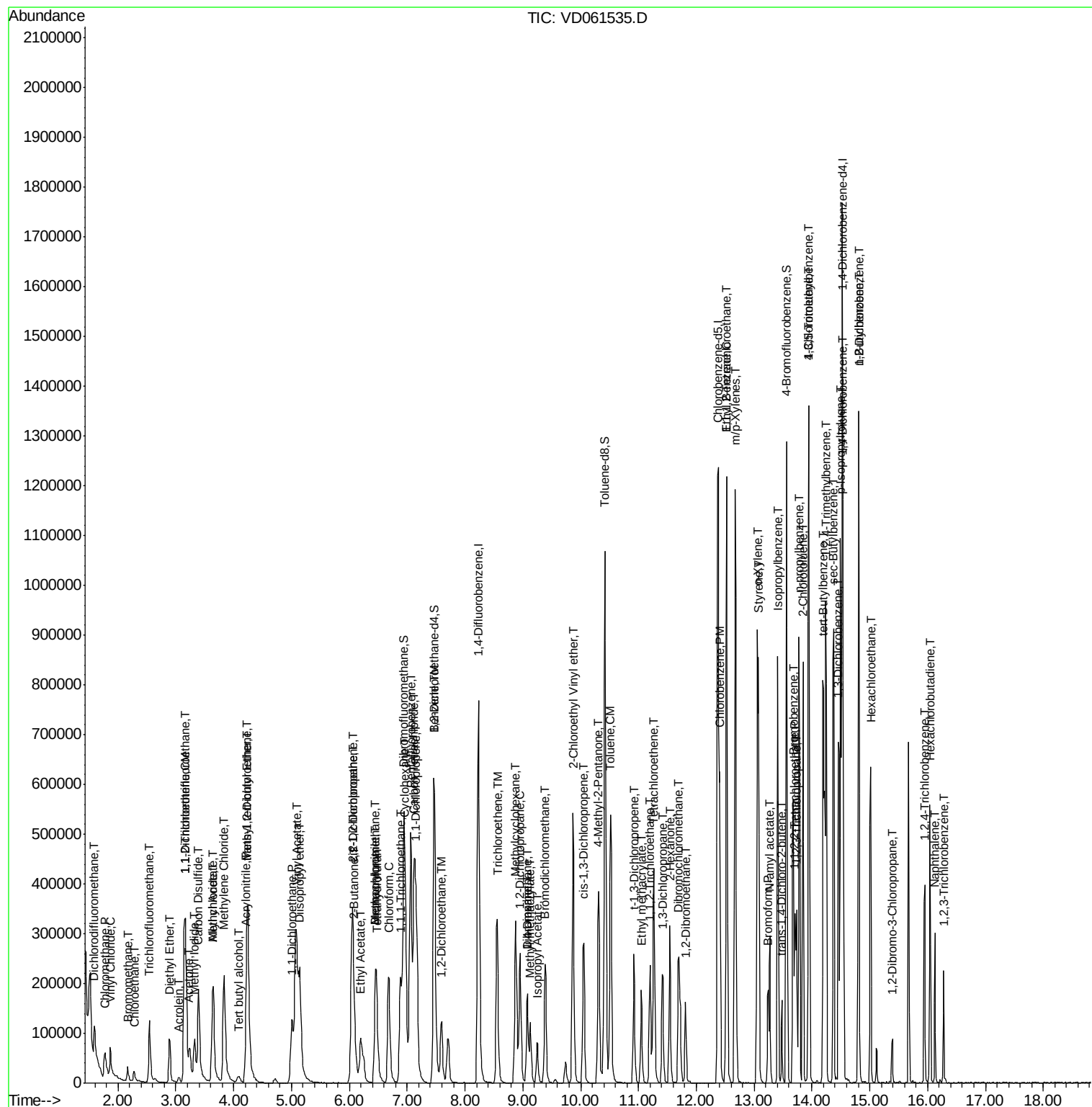
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	112871	22.833	ug/l	99
94) Hexachlorobutadiene	16.04	225	86202	22.316	ug/l	99
95) Naphthalene	16.13	128	181503	24.088	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	54855	25.218	ug/l	94

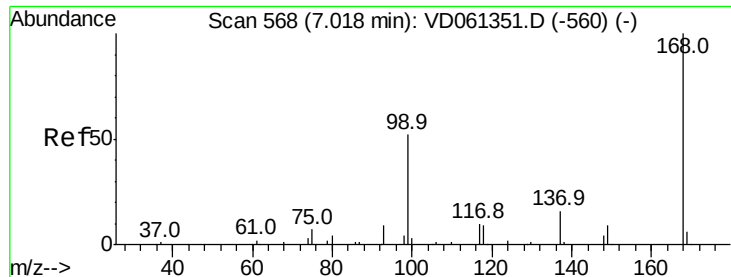
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

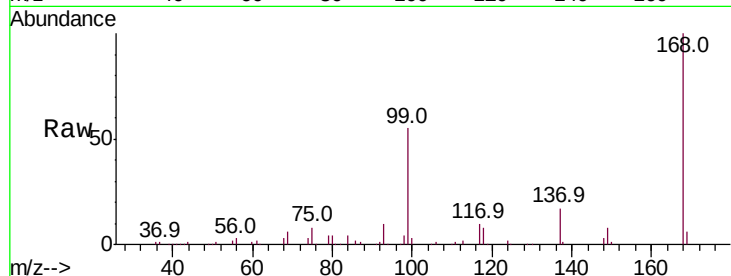
VD0402SBS03

Tot Ion:168 Resp: 548360

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

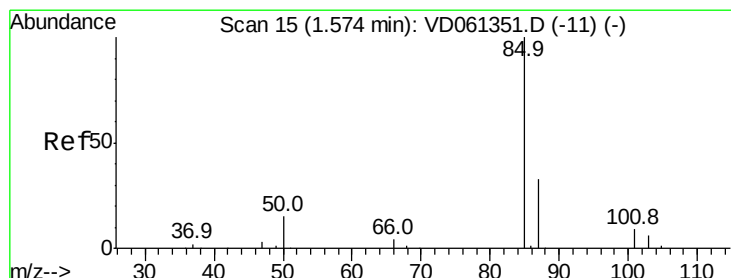
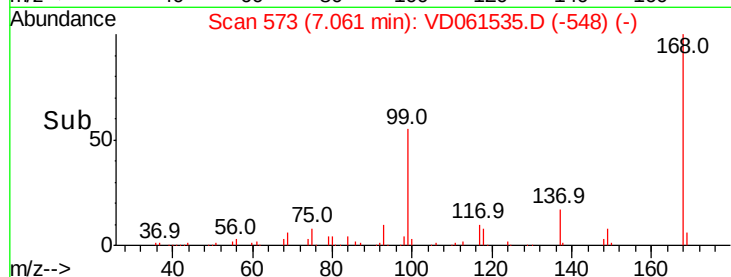
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 21.920 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061535.D

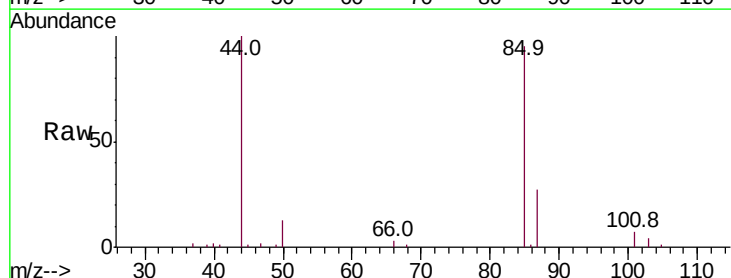
Acq: 3 Apr 2019 3:39

Tgt Ion: 85 Resp: 128367

Ion Ratio Lower Upper

85 100

87 28.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

50000

40000

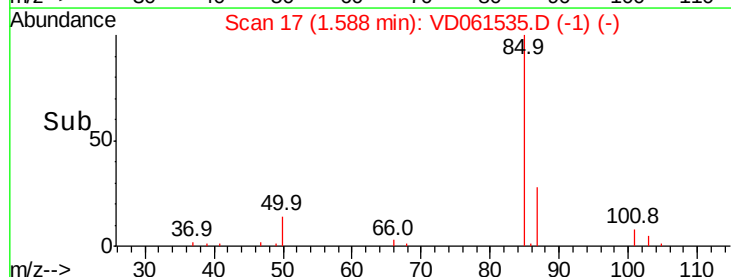
30000

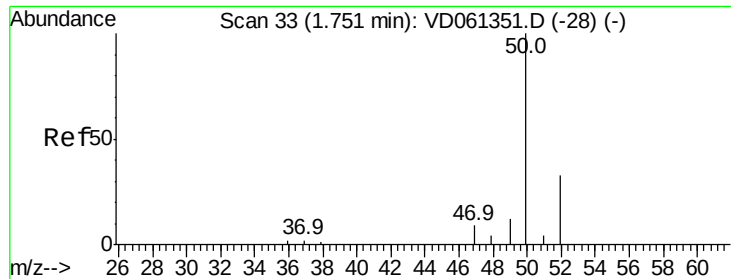
20000

10000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.031 ug/l

RT: 1.77 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

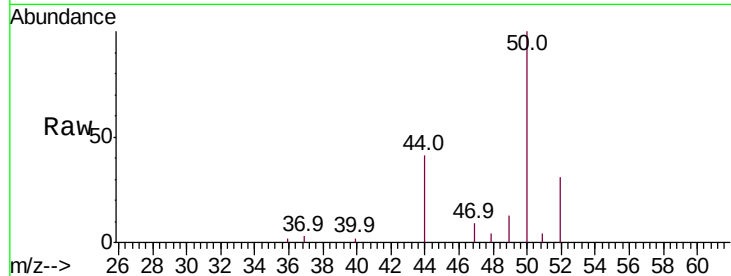
VD0402SBS03

Tot Ion: 50 Resp: 100447

Ion Ratio Lower Upper

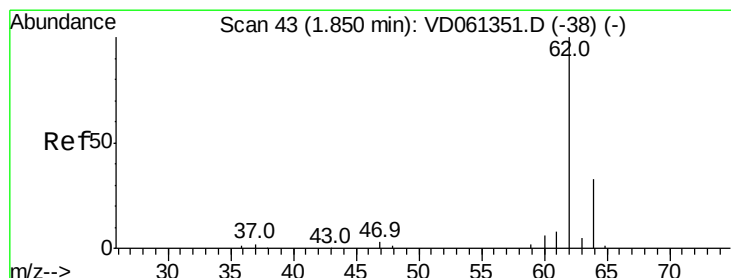
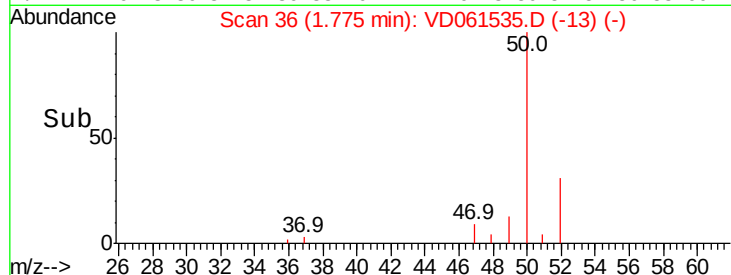
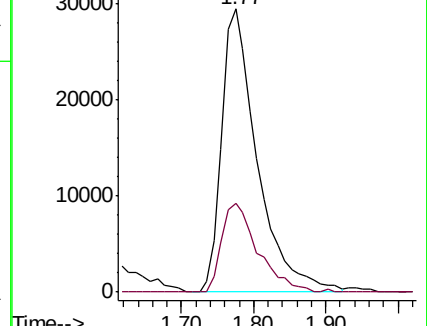
50 100

52 31.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.502 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061535.D

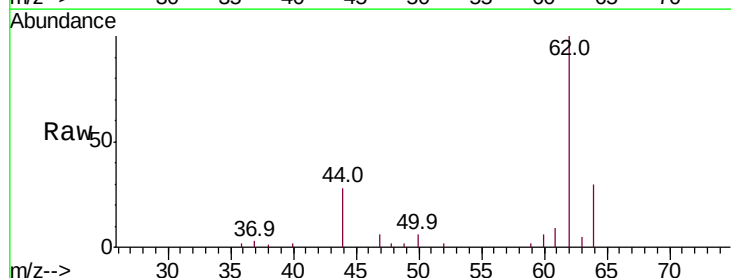
Acq: 3 Apr 2019 3:39

Tgt Ion: 62 Resp: 89908

Ion Ratio Lower Upper

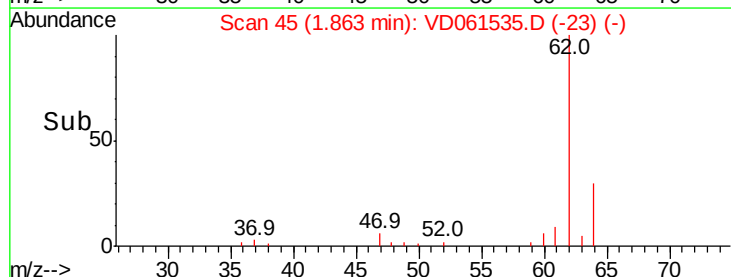
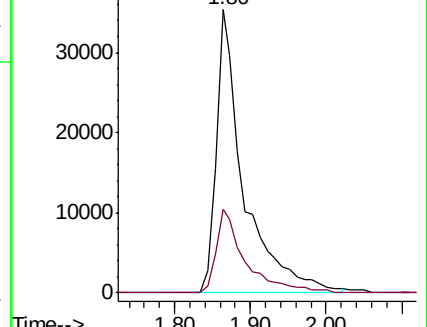
62 100

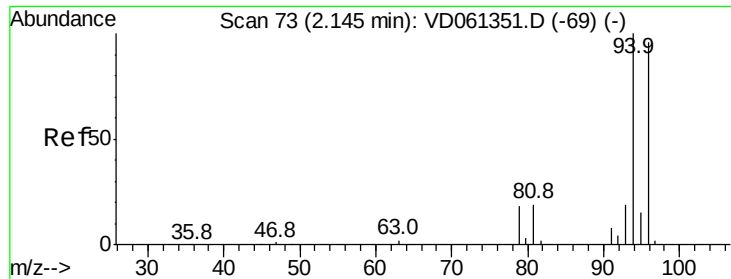
64 29.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.308 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

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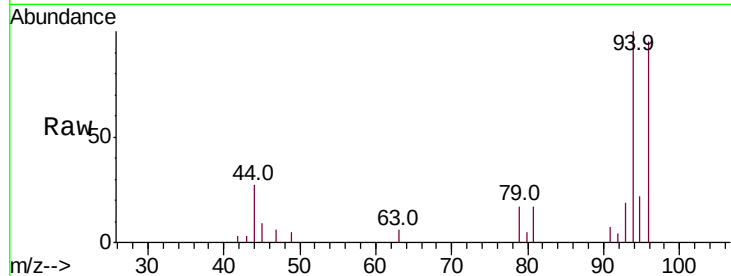
Tot Ion: 94 Resp: 16790

Ion Ratio Lower Upper

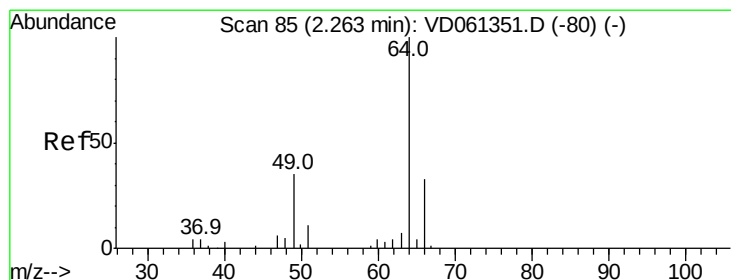
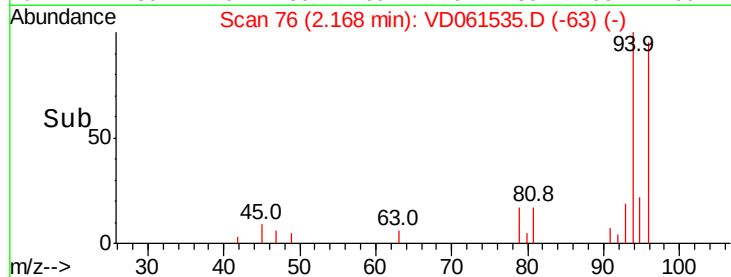
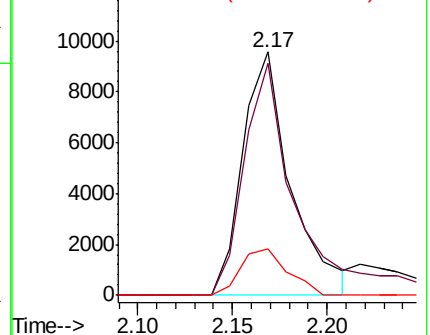
94 100

96 95.3 78.3 117.5

93 19.1 15.6 23.4



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: 19.555 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD061535.D

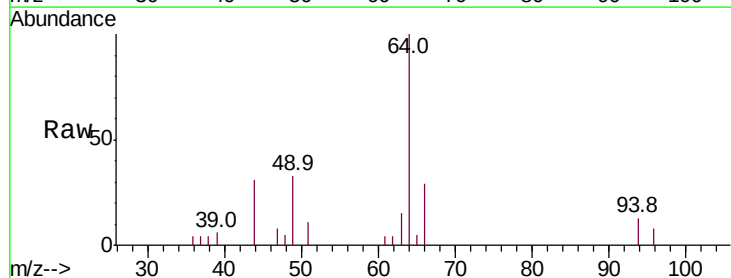
Acq: 3 Apr 2019 3:39

Tgt Ion: 64 Resp: 25148

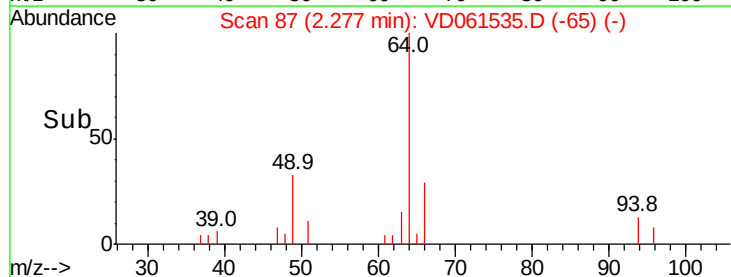
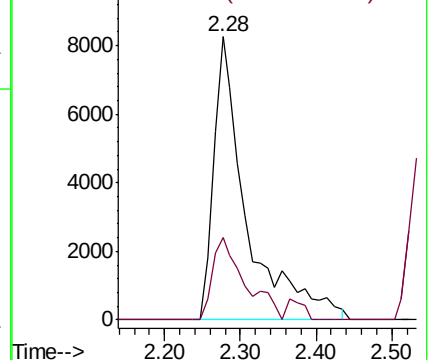
Ion Ratio Lower Upper

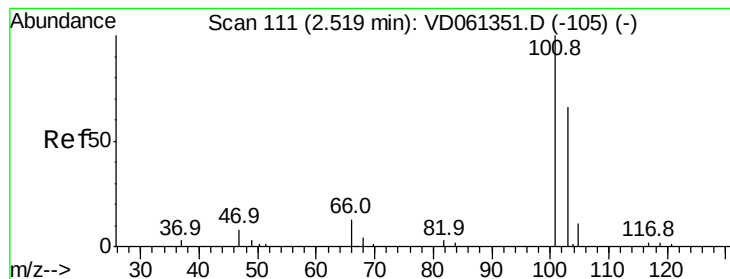
64 100

66 29.2 26.2 39.2



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



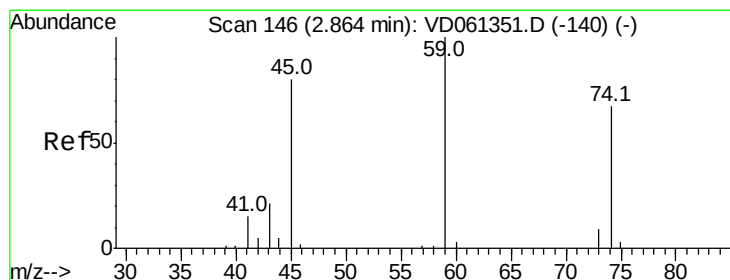
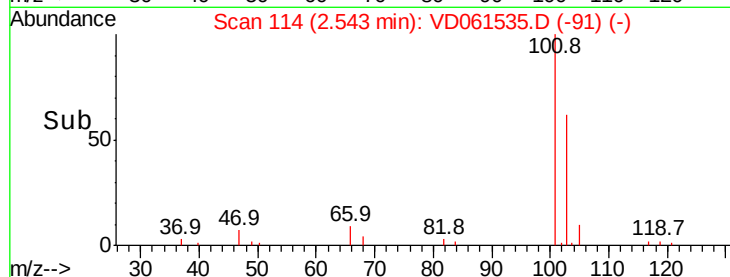
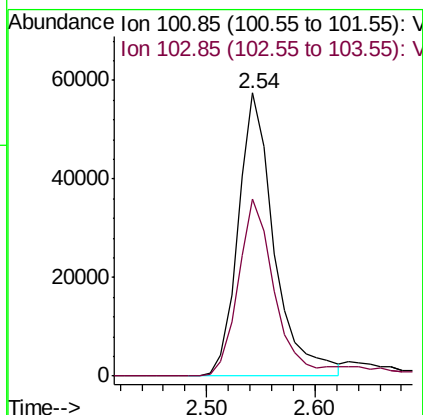
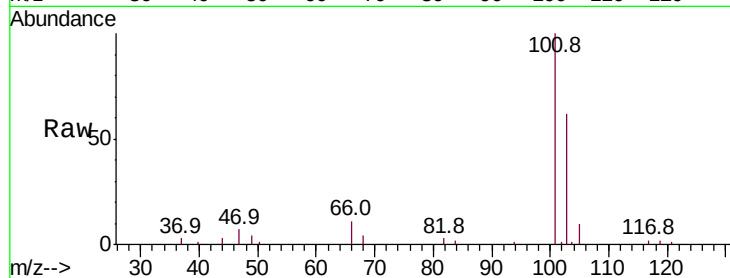


#7

Trichlorofluoromethane
 Concen: 20.800 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Instrument :
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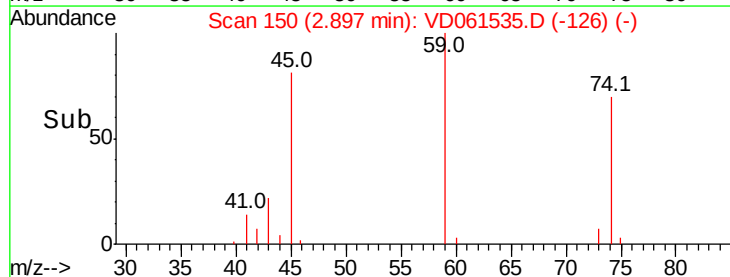
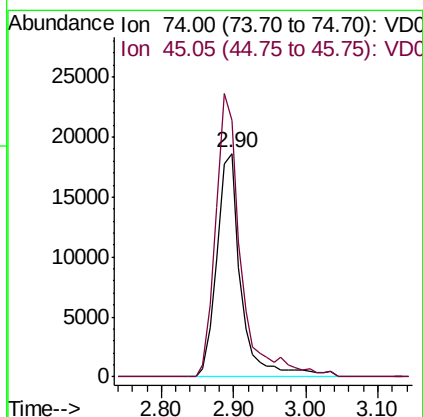
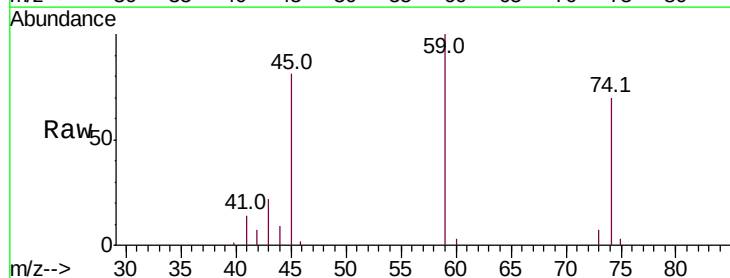
Tot Ion:101 Resp: 132641
 Ion Ratio Lower Upper
 101 100
 103 62.5 53.1 79.7

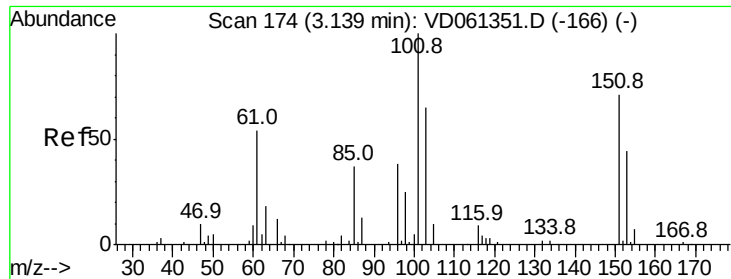


#8

Diethyl Ether
 Concen: 20.954 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. 0.03 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 74 Resp: 43021
 Ion Ratio Lower Upper
 74 100
 45 114.7 59.7 179.1

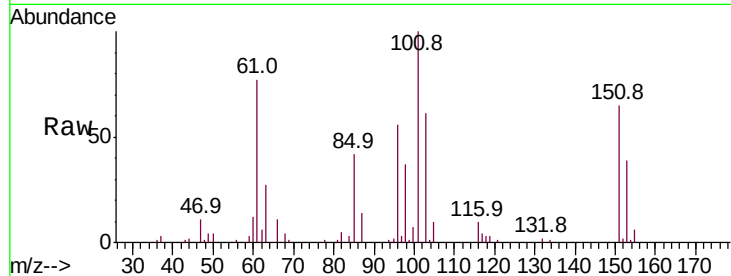




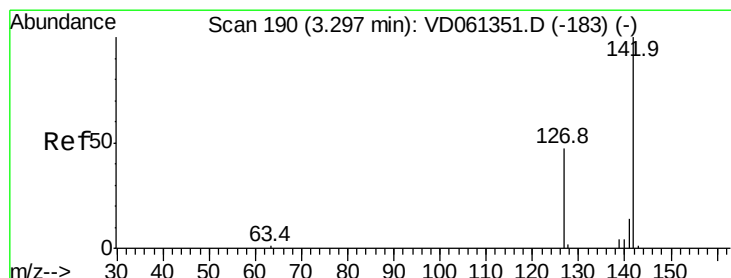
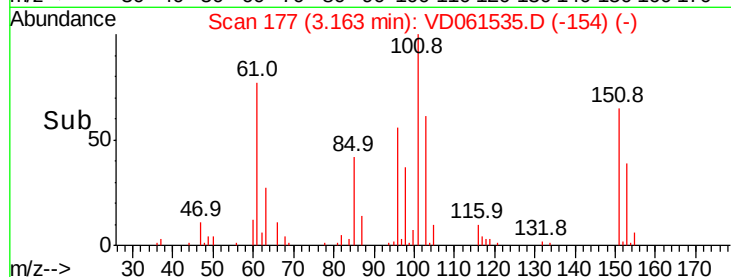
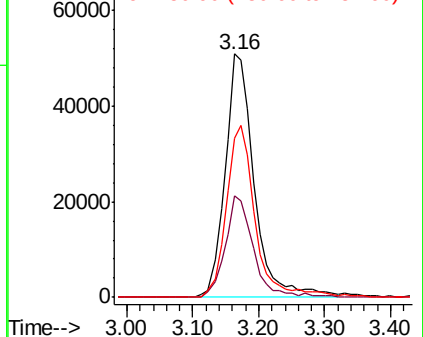
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.941 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. 0.02 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

Tot Ion:101 Resp: 157274
 Ion Ratio Lower Upper
 101 100
 85 41.7 29.4 44.0
 151 65.3 57.0 85.4

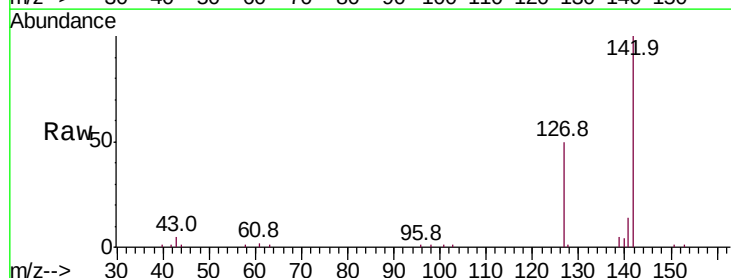


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

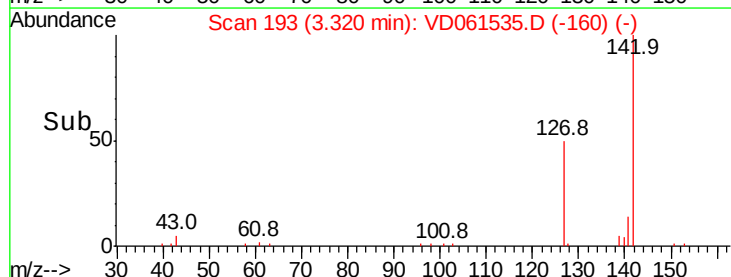
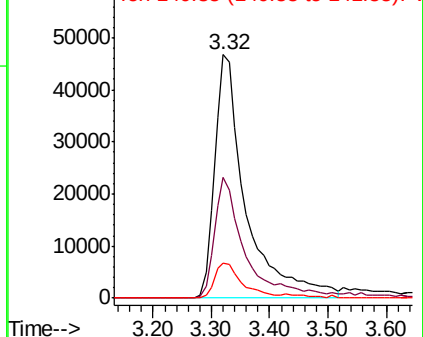


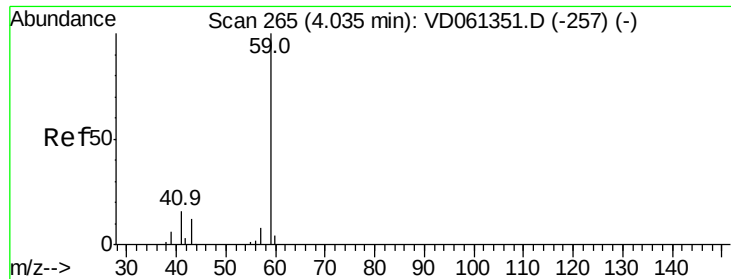
#10
 Methyl Iodide
 Concen: 19.002 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.02 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion:142 Resp: 173977
 Ion Ratio Lower Upper
 142 100
 127 49.8 37.7 56.5
 141 14.1 11.5 17.3



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

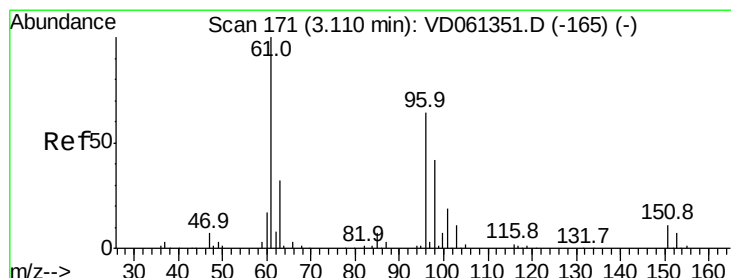
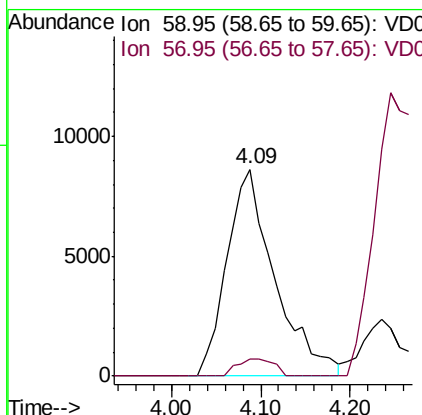
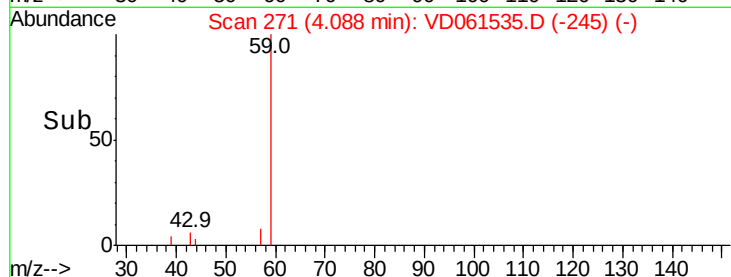
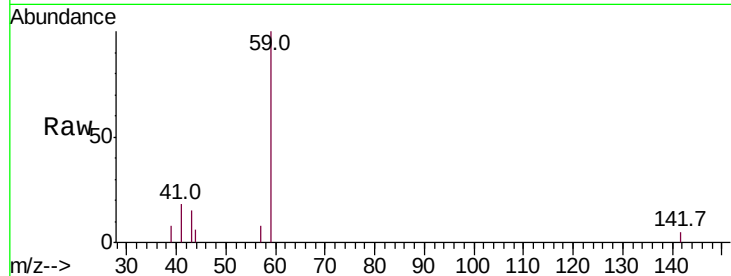




#11
Tert butyl alcohol
Concen: 110.961 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.05 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

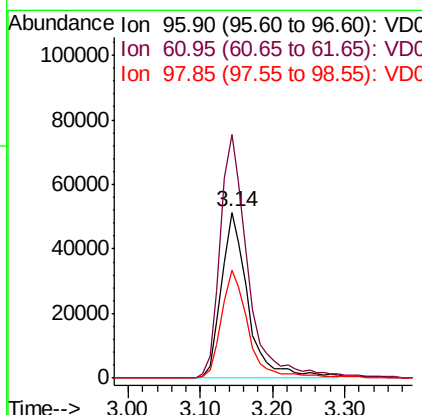
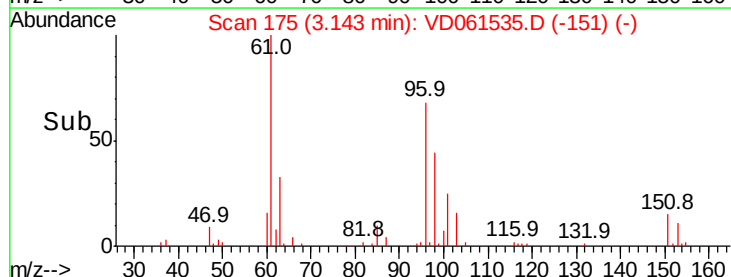
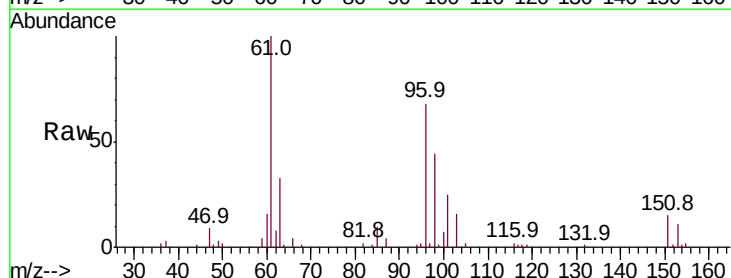
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

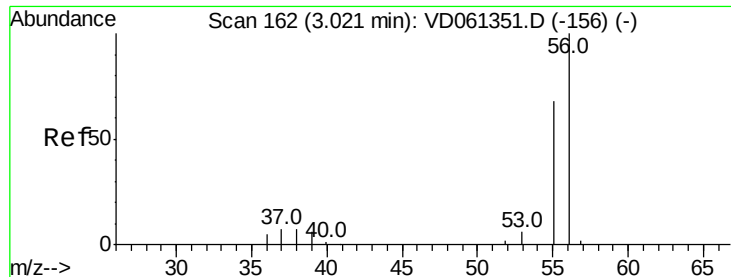
Tot Ion: 59 Resp: 32370
Ion Ratio Lower Upper
59 100
57 8.5 6.7 10.1



#12
1,1-Dichloroethene
Concen: 22.412 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 96 Resp: 131914
Ion Ratio Lower Upper
96 100
61 147.0 124.9 187.3
98 64.9 52.5 78.7





#13

Acrolein

Concen: 59.476 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

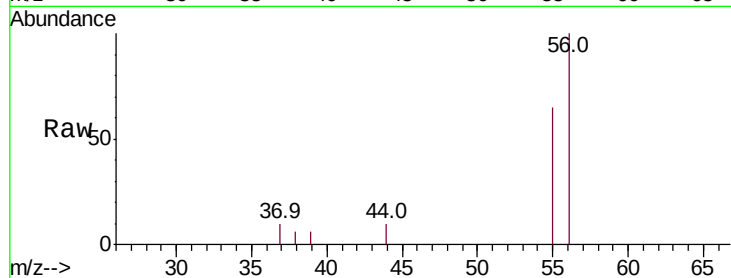
VD0402SBS03

Tot Ion: 56 Resp: 17101

Ion Ratio Lower Upper

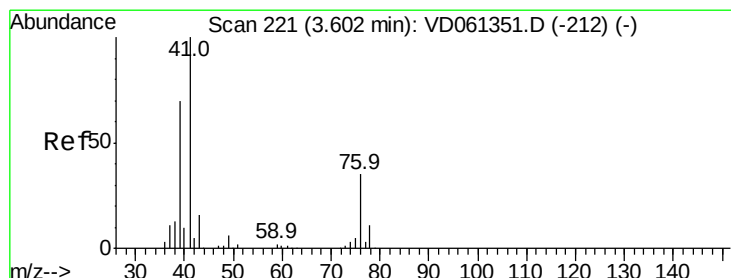
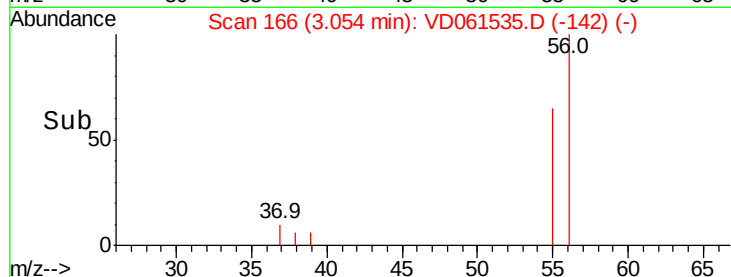
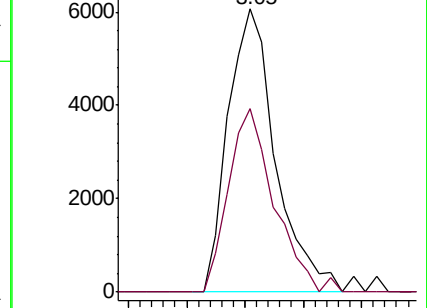
56 100

55 64.6 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.621 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

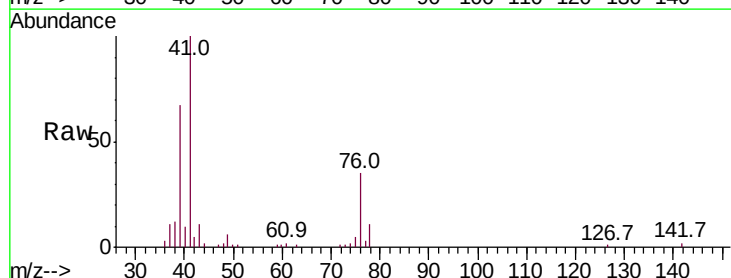
Tgt Ion: 41 Resp: 185708

Ion Ratio Lower Upper

41 100

39 66.8 55.6 83.4

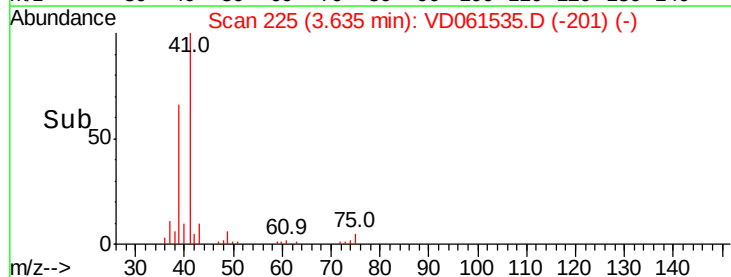
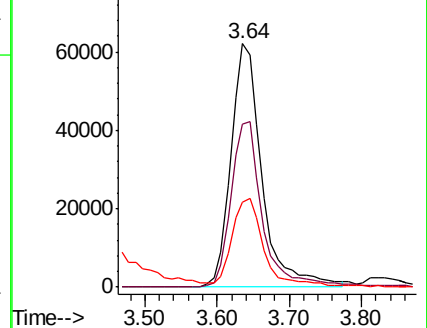
76 34.8 31.0 46.6

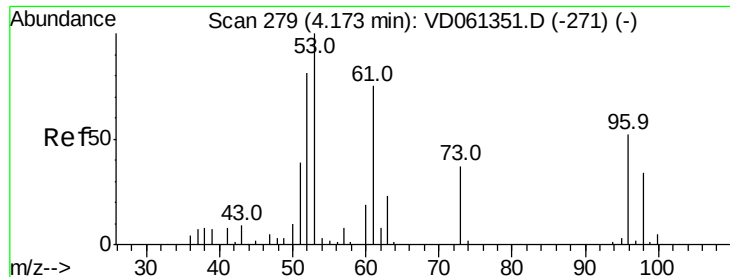


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 119.062 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

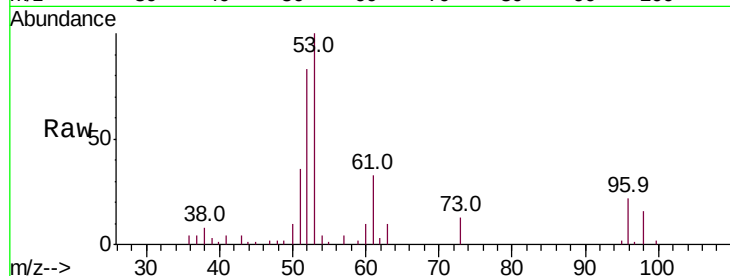
Tot Ion: 53 Resp: 120552

Ion Ratio Lower Upper

53 100

52 82.5 64.8 97.2

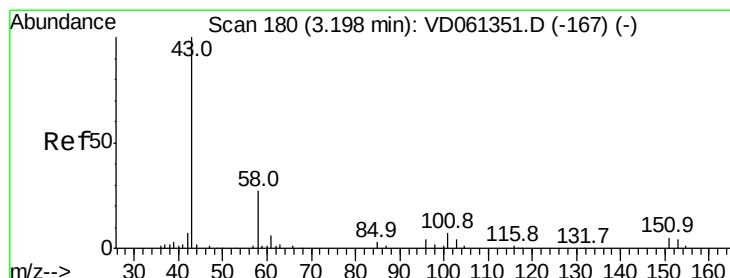
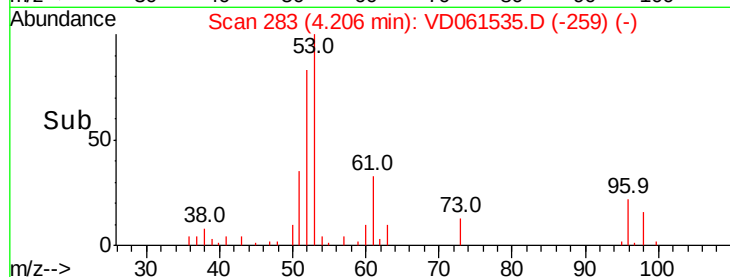
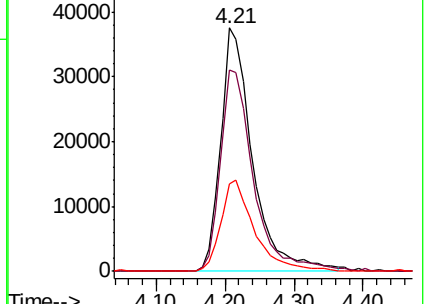
51 36.0 31.4 47.2



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: 97.442 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061535.D

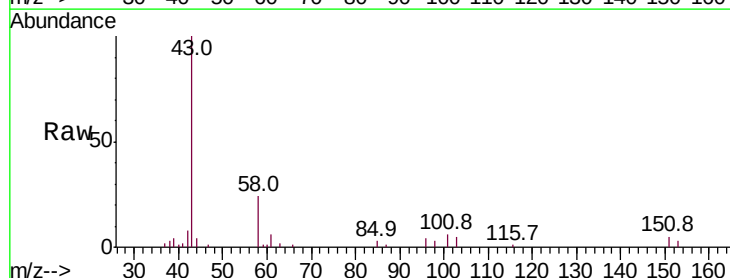
Acq: 3 Apr 2019 3:39

Tgt Ion: 43 Resp: 117338

Ion Ratio Lower Upper

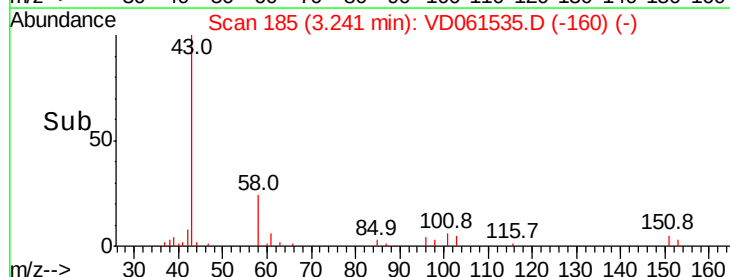
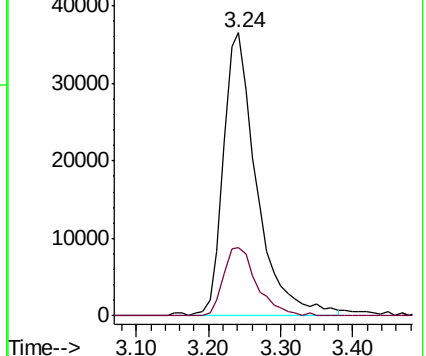
43 100

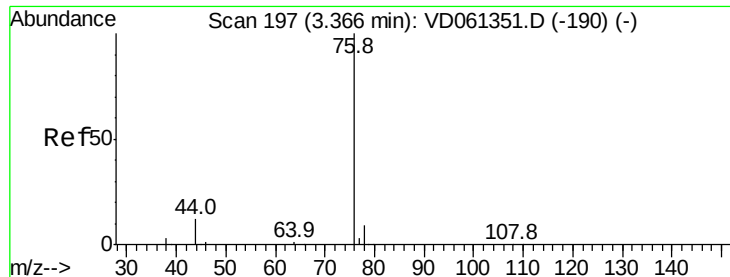
58 24.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

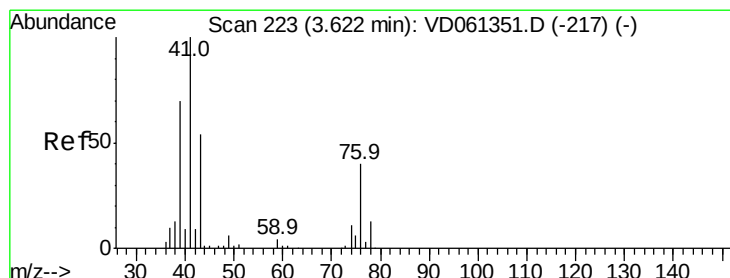
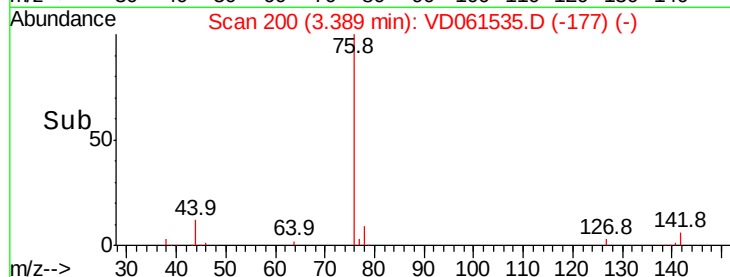
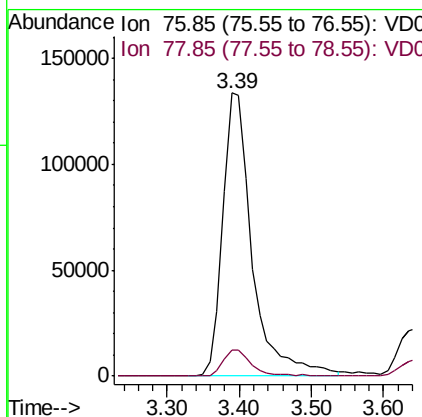
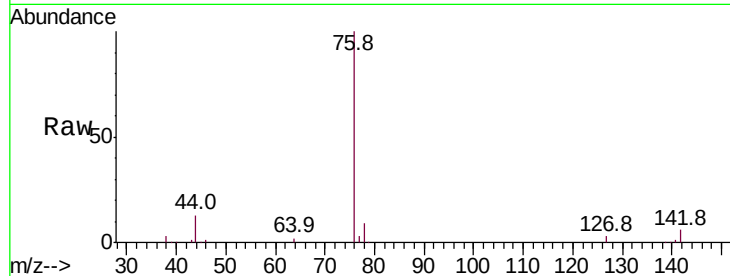




#17
Carbon Disulfide
Concen: 19.811 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

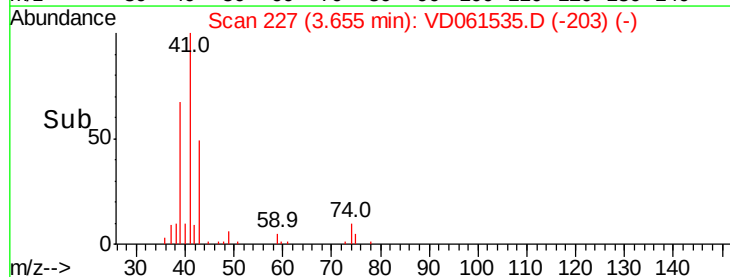
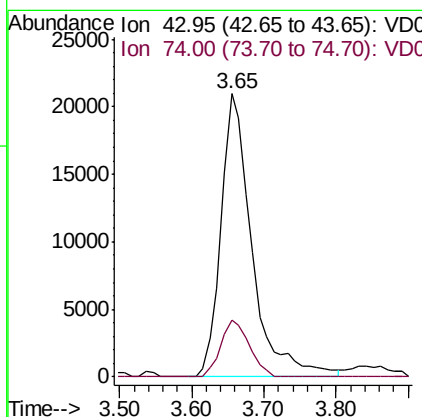
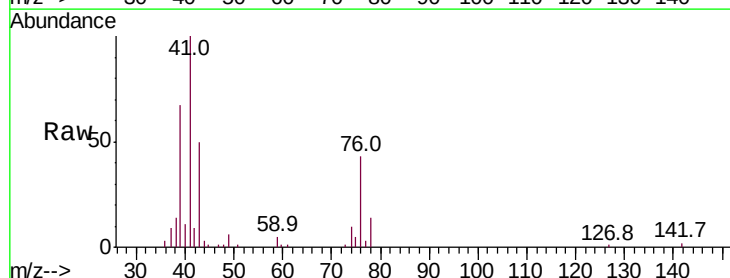
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

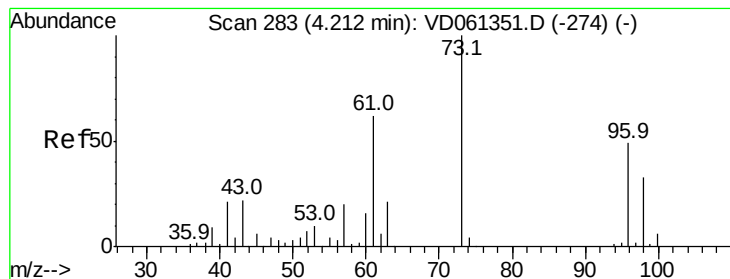
Tot Ion: 76 Resp: 378857
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 24.614 ug/l
RT: 3.65 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 43 Resp: 62319
Ion Ratio Lower Upper
43 100
74 20.1 16.7 25.1



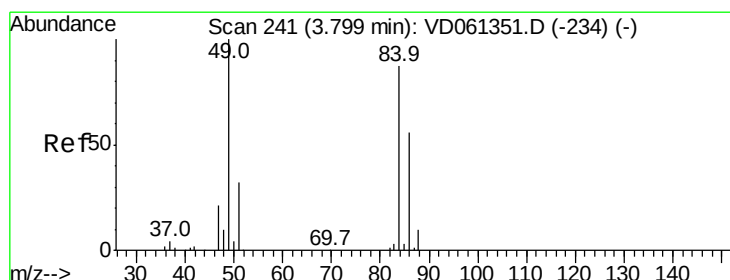
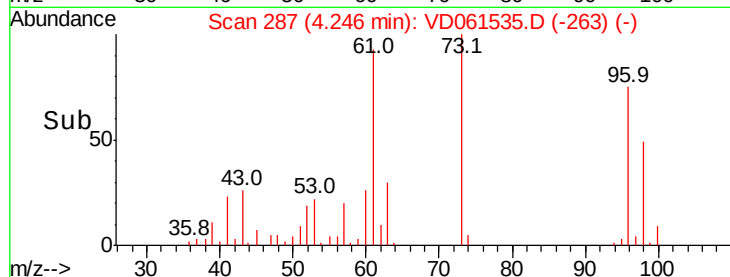
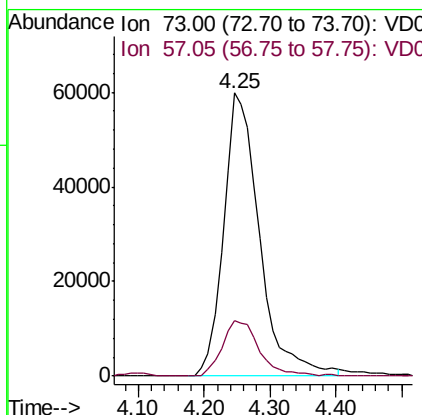
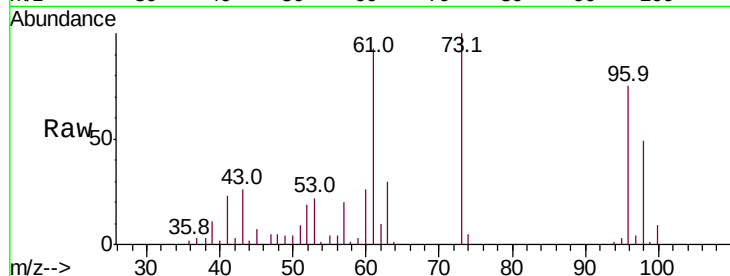


#19

Methyl tert-butyl Ether
 Concen: 22.379 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.03 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

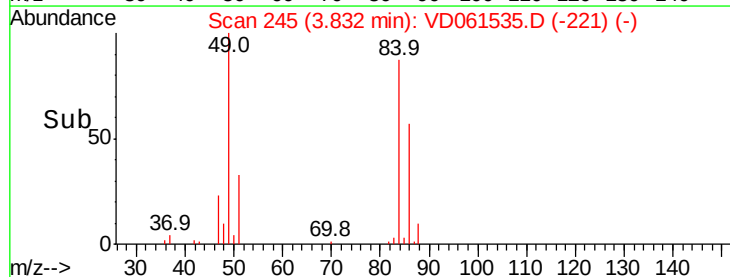
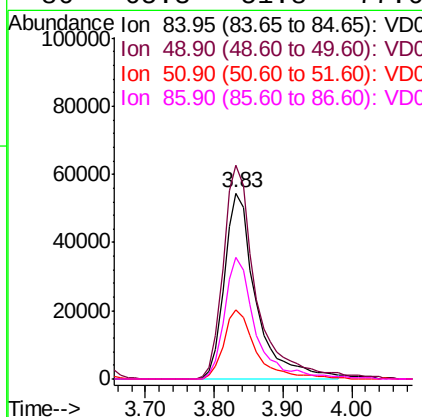
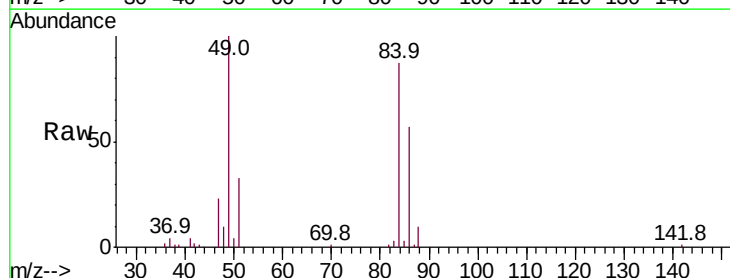
Tot Ion: 73 Resp: 228006
 Ion Ratio Lower Upper
 73 100
 57 19.7 16.4 24.6

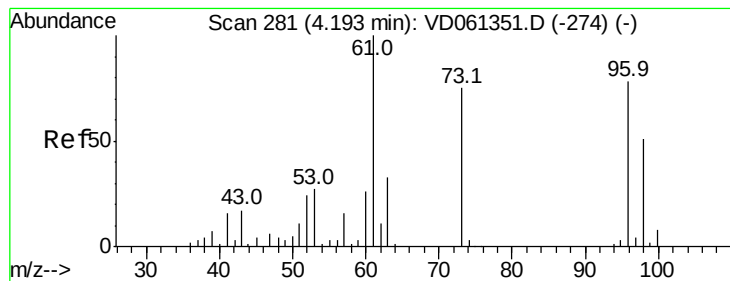


#20

Methylene Chloride
 Concen: 24.698 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.03 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 84 Resp: 173163
 Ion Ratio Lower Upper
 84 100
 49 114.8 91.8 137.8
 51 37.5 29.8 44.8
 86 65.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.495 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

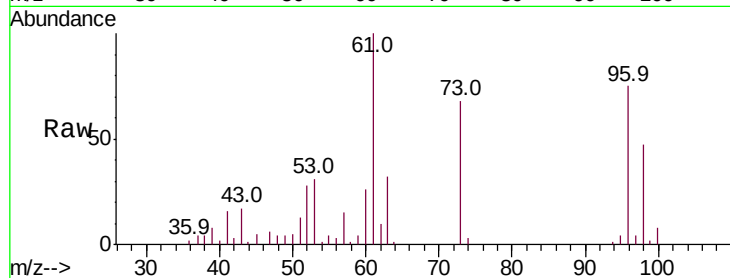
Tot Ion: 96 Resp: 142949

Ion Ratio Lower Upper

96 100

61 133.4 102.7 154.1

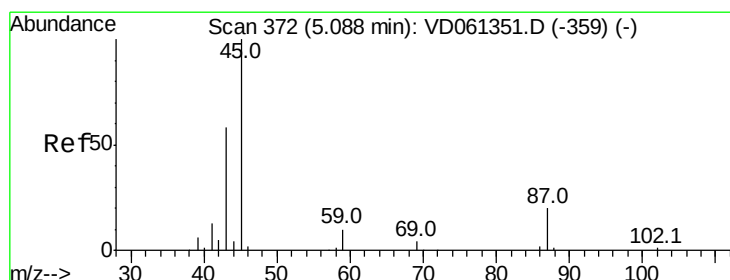
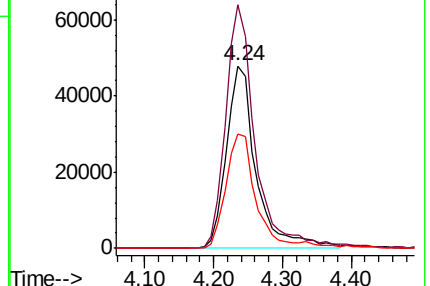
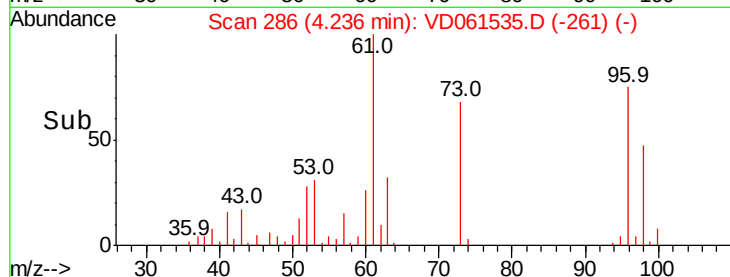
98 62.5 52.2 78.4



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: 23.015 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Tgt Ion: 45 Resp: 399820

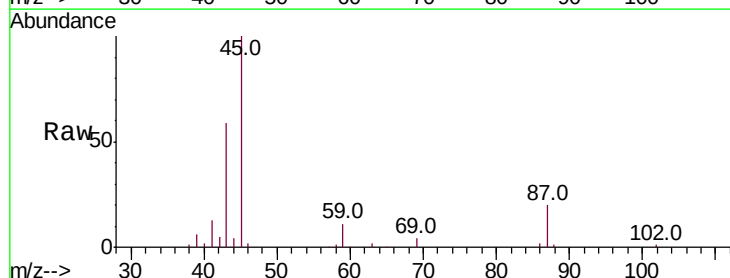
Ion Ratio Lower Upper

45 100

43 59.0 47.4 71.2

87 19.8 16.3 24.5

59 11.3 8.4 12.6

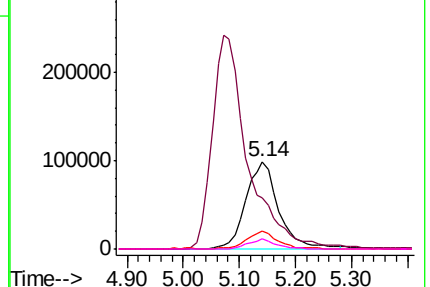
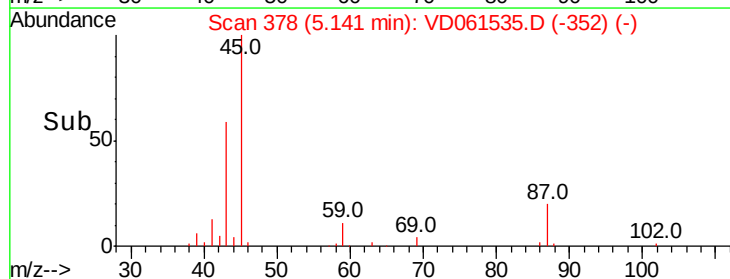


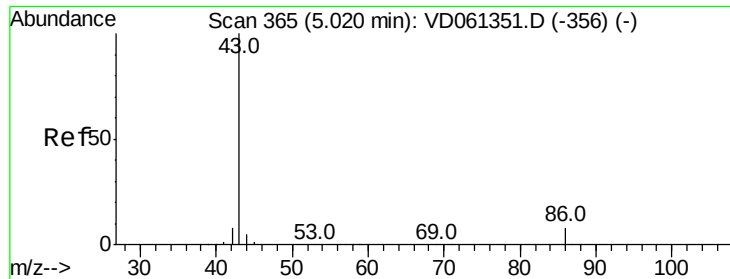
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 111.083 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

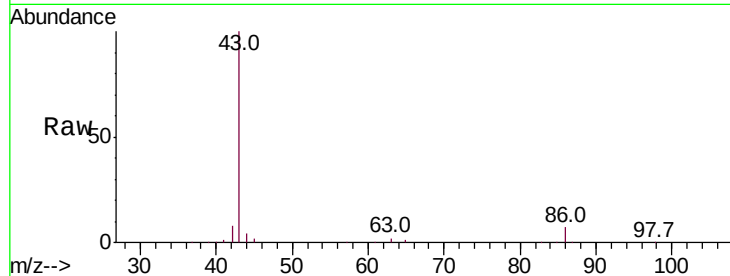
VD0402SBS03

Tot Ion: 43 Resp: 1048247

Ion Ratio Lower Upper

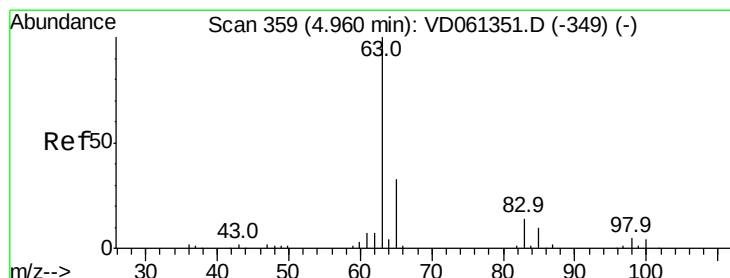
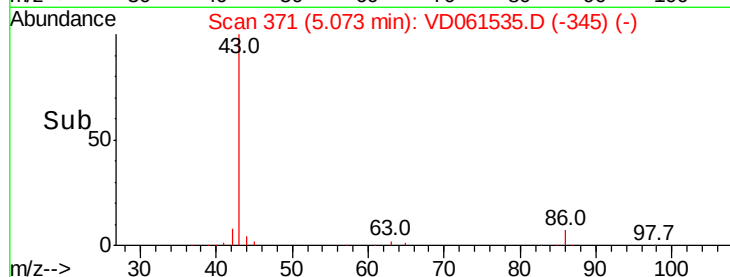
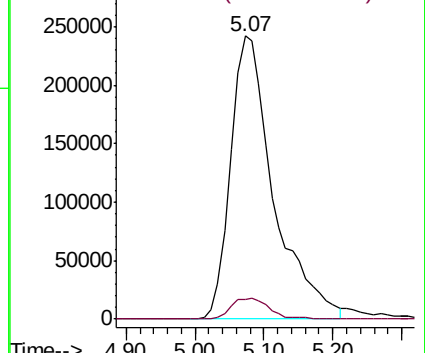
43 100

86 6.9 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.207 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

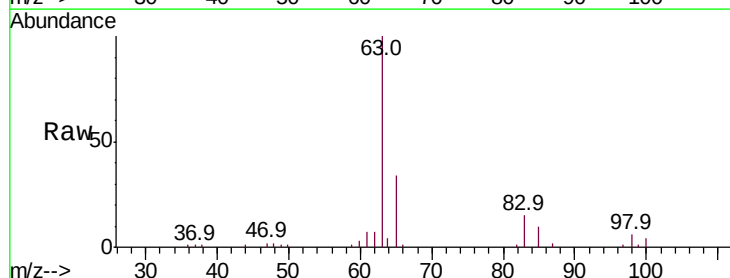
Tgt Ion: 63 Resp: 236940

Ion Ratio Lower Upper

63 100

98 6.3 2.6 8.0

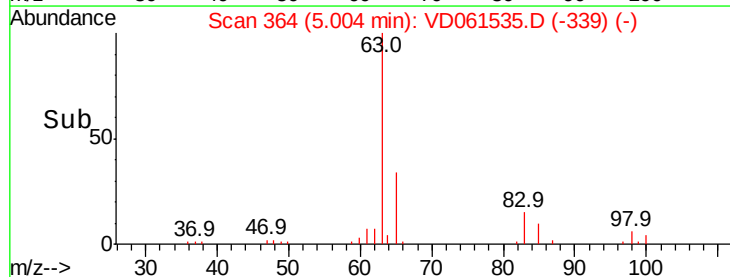
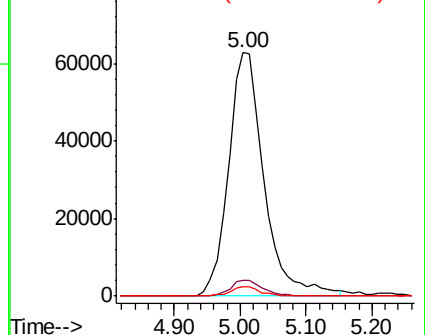
100 4.0 1.8 5.3

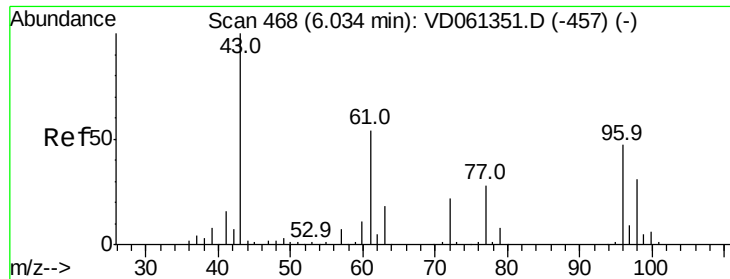


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.201 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

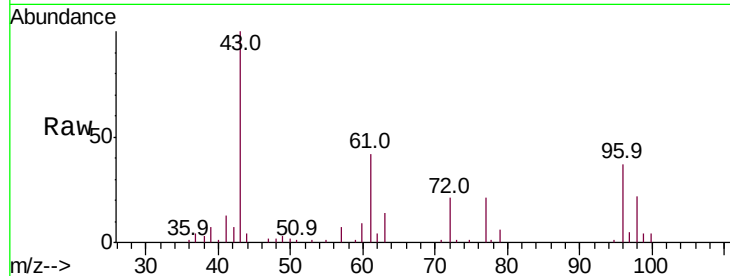
VD0402SBS03

Tot Ion: 43 Resp: 163897

Ion Ratio Lower Upper

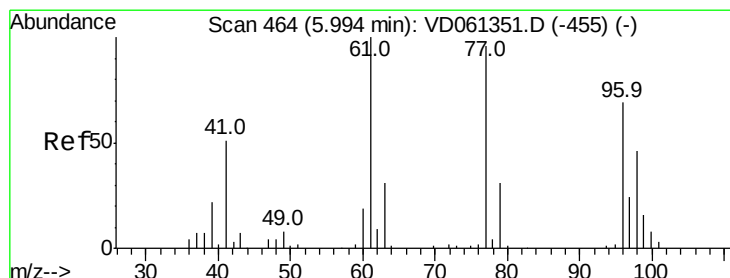
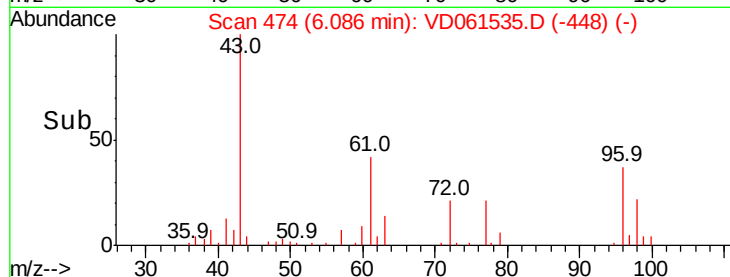
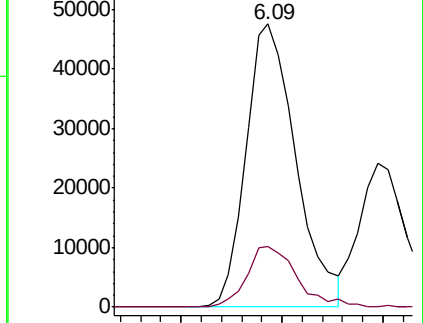
43 100

72 21.3 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.917 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD061535.D

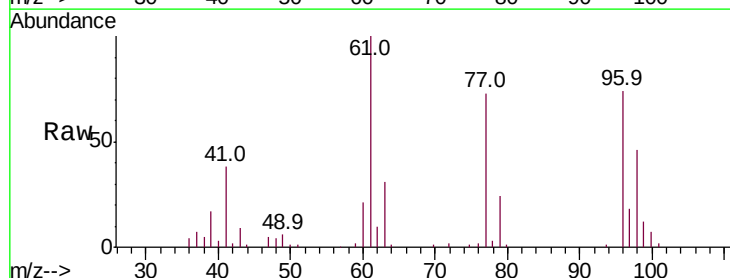
Acq: 3 Apr 2019 3:39

Tgt Ion: 77 Resp: 177879

Ion Ratio Lower Upper

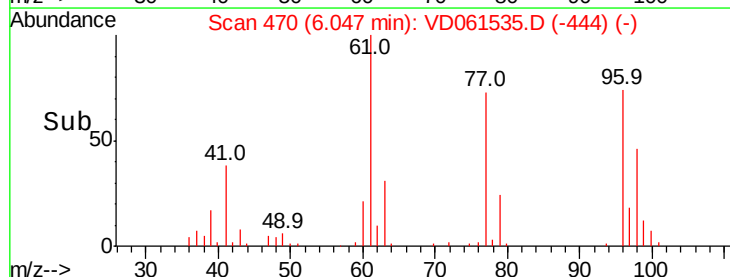
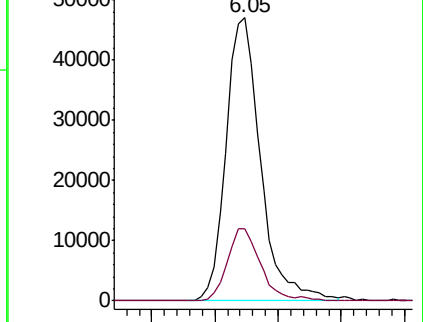
77 100

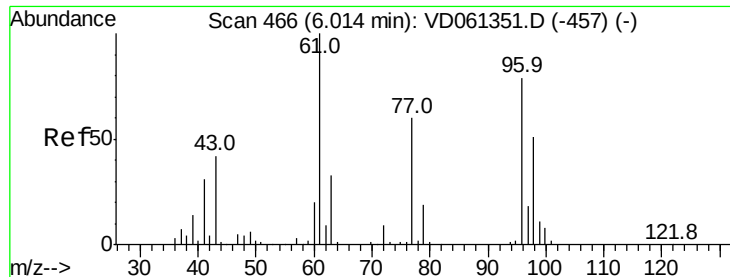
97 25.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



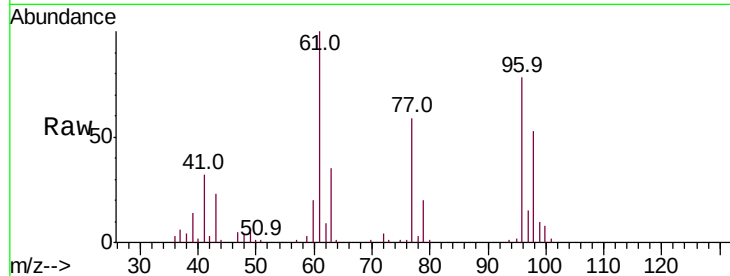


#27

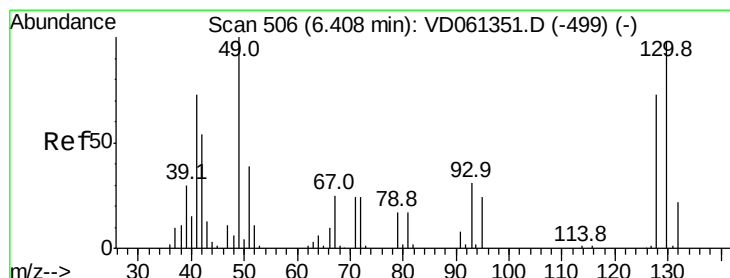
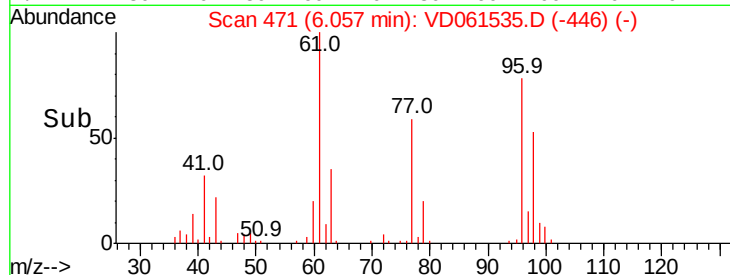
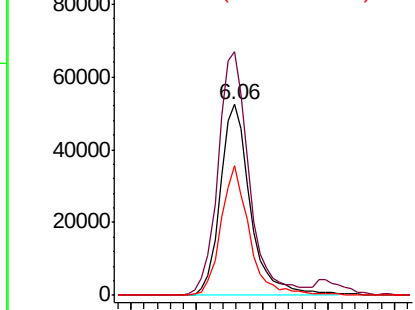
cis-1,2-Dichloroethene
 Concen: 24.125 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.04 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

Tot Ion: 96 Resp: 167970
 Ion Ratio Lower Upper
 96 100
 61 127.5 0.0 251.6
 98 67.8 0.0 129.2



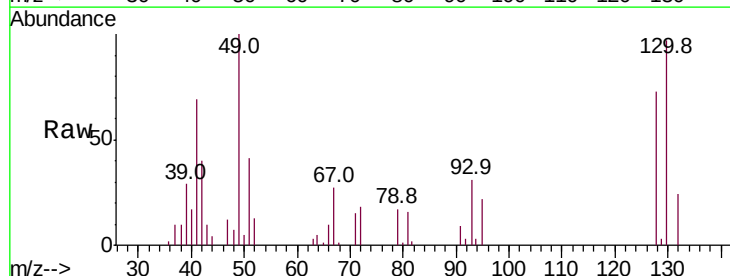
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



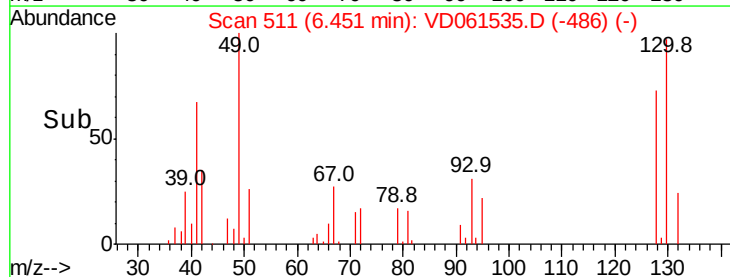
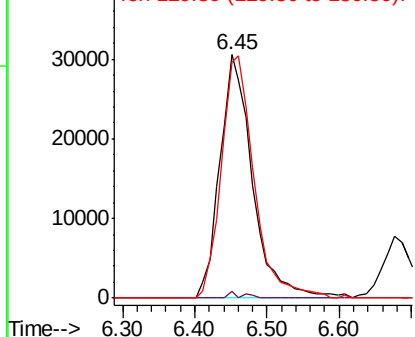
#28

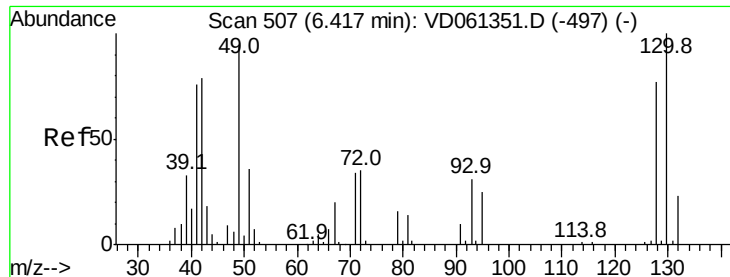
Bromochloromethane
 Concen: 23.224 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.04 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 49 Resp: 95715
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 0.0#
 130 97.1 78.4 117.6



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: 109.738 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.06 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

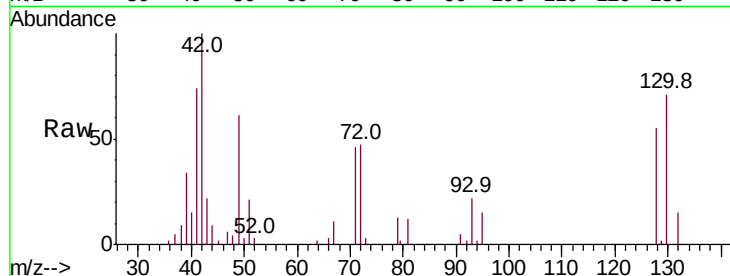
Tot Ion: 42 Resp: 80569

Ion Ratio Lower Upper

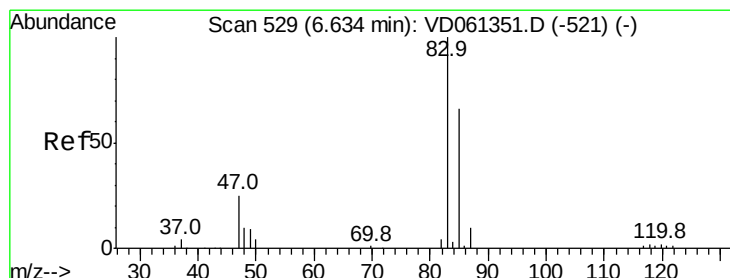
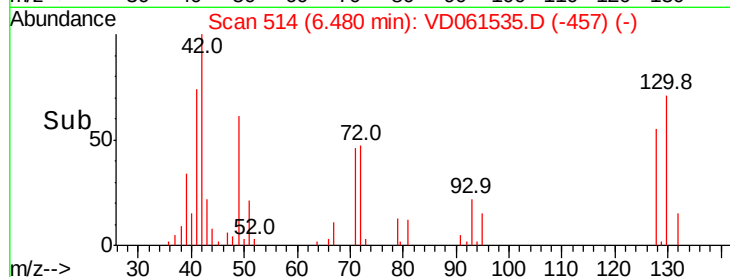
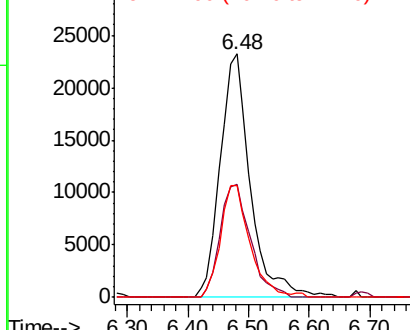
42 100

72 46.6 37.4 56.0

71 45.1 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 25.293 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.05 min

Lab File: VD061535.D

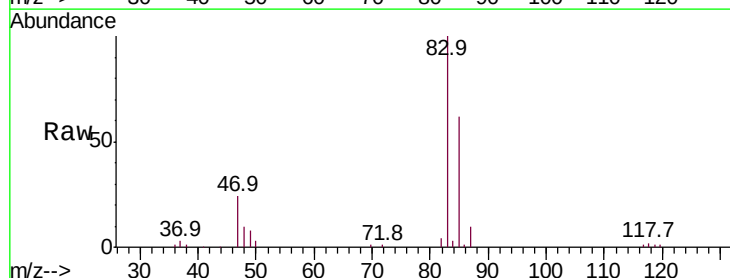
Acq: 3 Apr 2019 3:39

Tgt Ion: 83 Resp: 266823

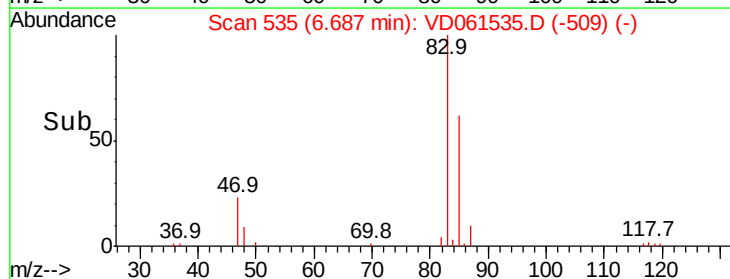
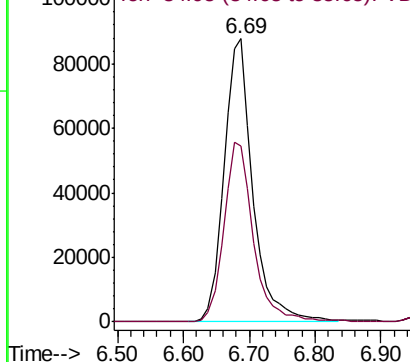
Ion Ratio Lower Upper

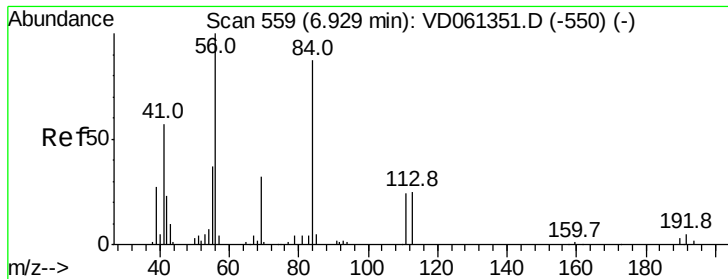
83 100

85 62.1 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

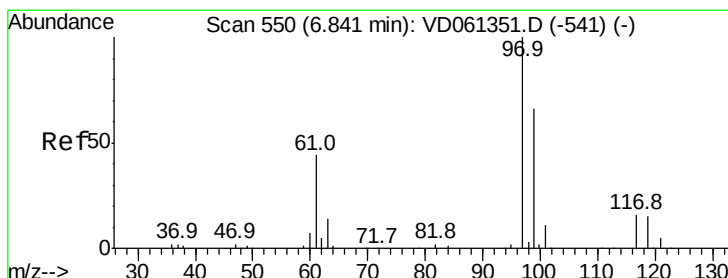
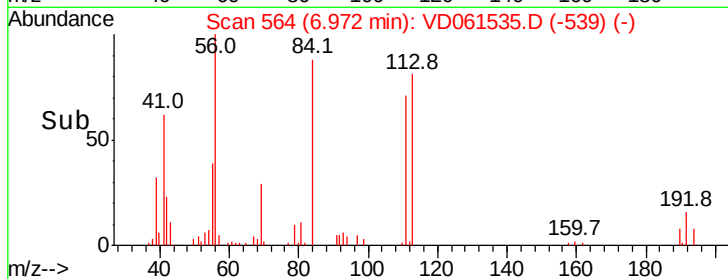
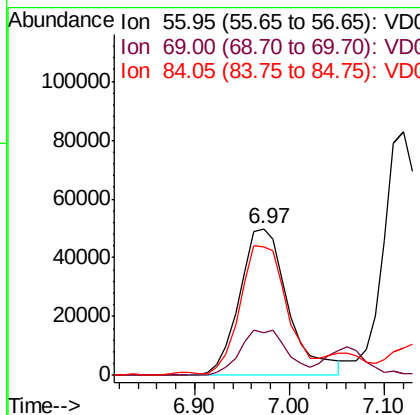
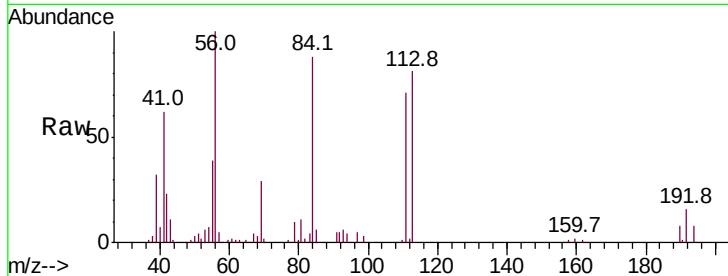




#31
Cyclohexane
Concen: 21.998 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

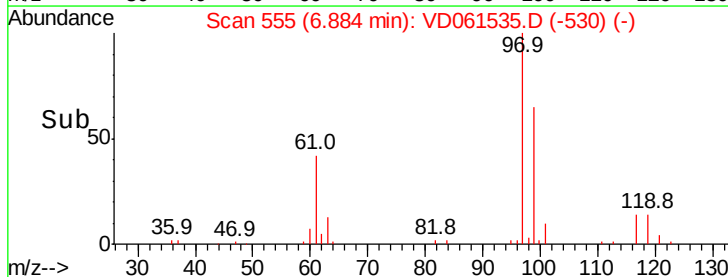
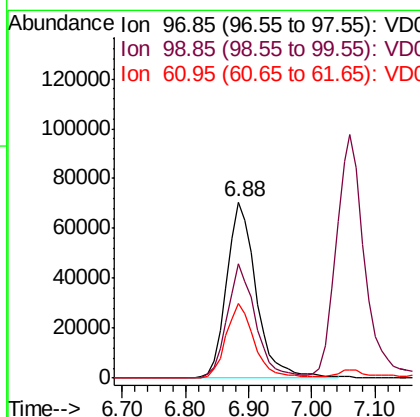
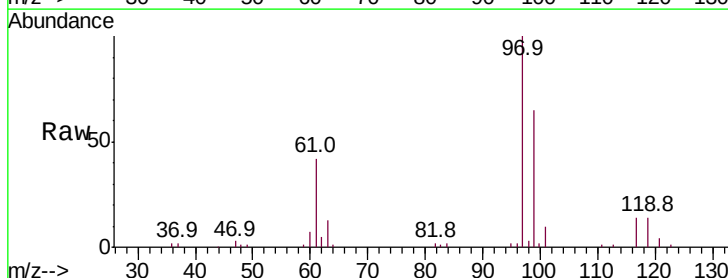
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

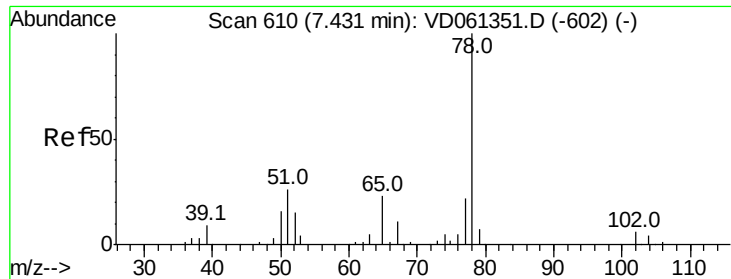
Tot Ion: 56 Resp: 177479
Ion Ratio Lower Upper
56 100
69 29.0 25.7 38.5
84 88.1 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 24.497 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 97 Resp: 227987
Ion Ratio Lower Upper
97 100
99 64.8 53.1 79.7
61 42.2 35.5 53.3

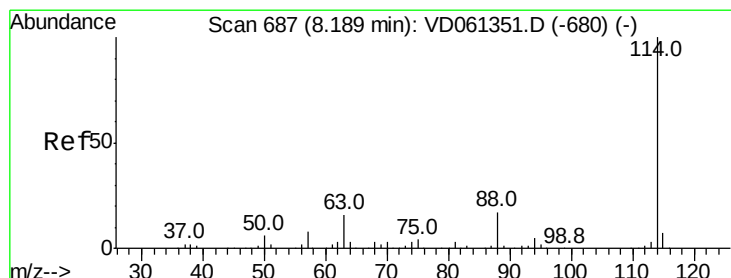
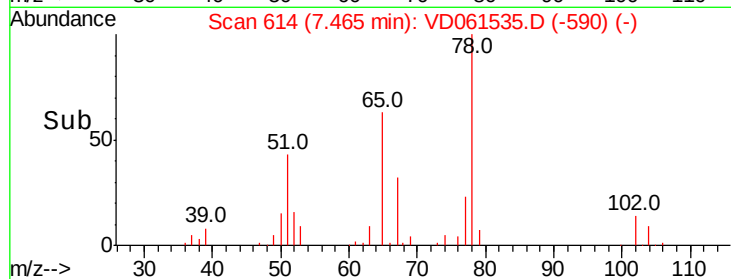
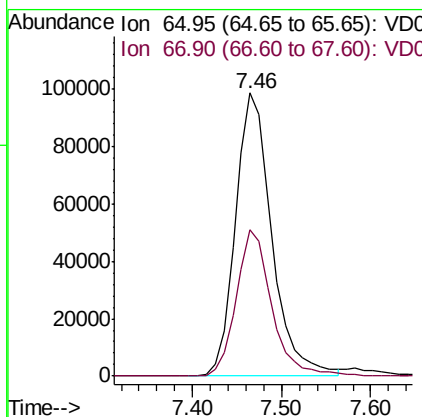
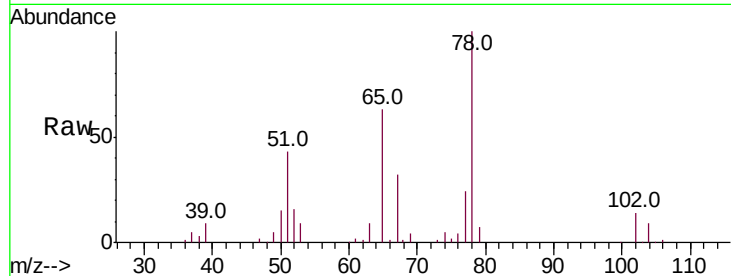




#33
 1,2-Dichloroethane-d4
 Concen: 24.497 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

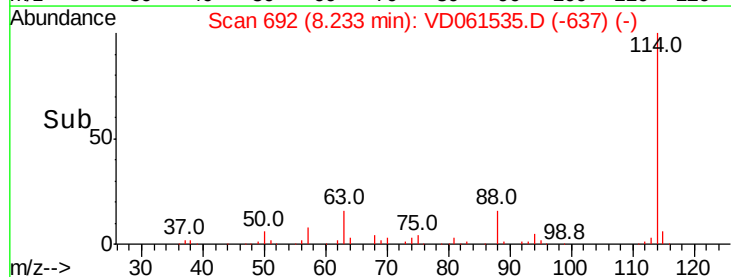
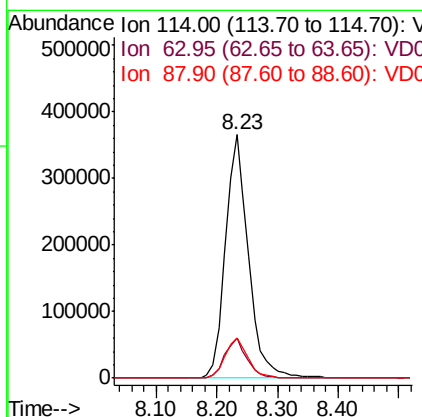
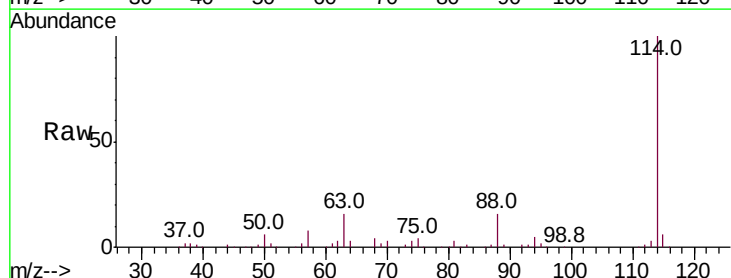
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

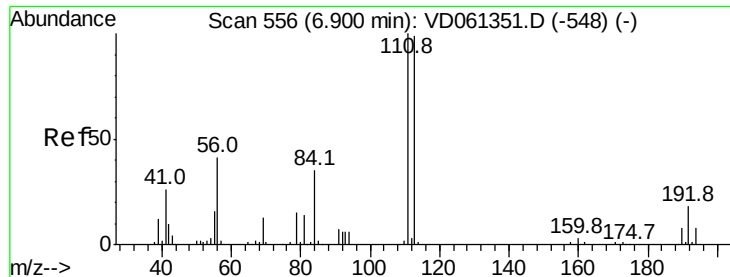
Tot Ion: 65 Resp: 279361
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 114 Resp: 960776
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

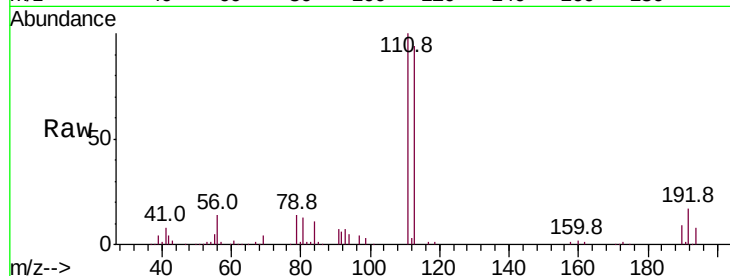
Tot Ion:113 Resp: 423615

Ion Ratio Lower Upper

113 100

111 106.9 81.0 121.6

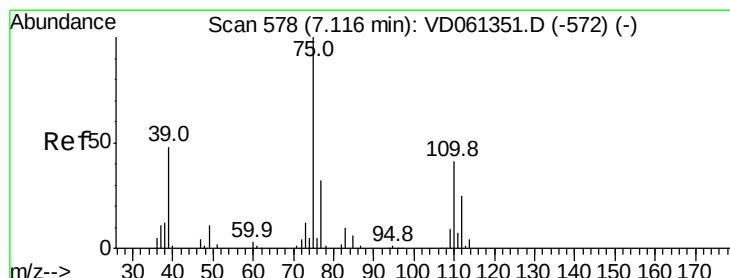
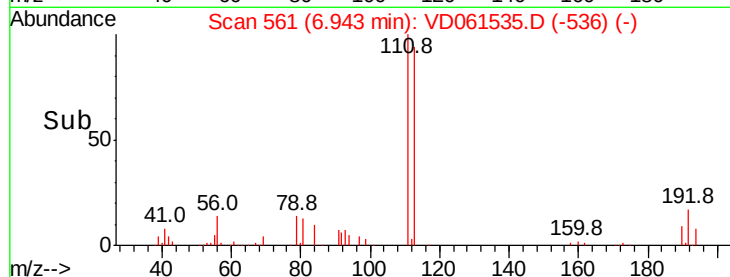
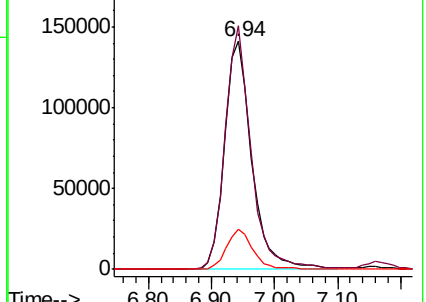
192 17.8 14.4 21.6



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: 22.857 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

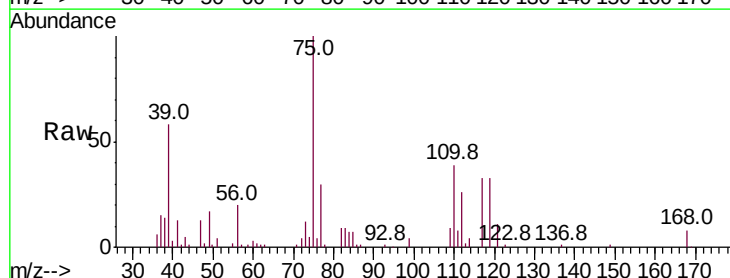
Tgt Ion: 75 Resp: 191666

Ion Ratio Lower Upper

75 100

110 39.4 20.4 61.3

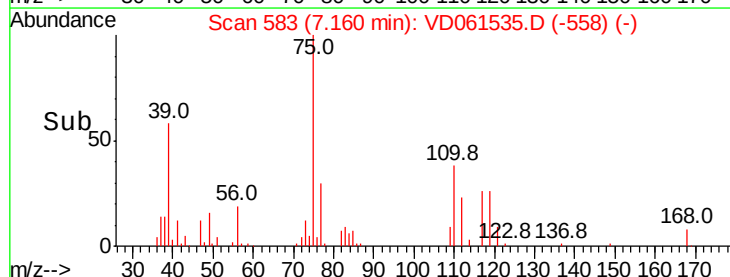
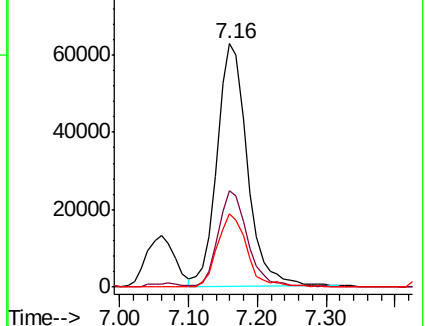
77 29.9 24.9 37.3

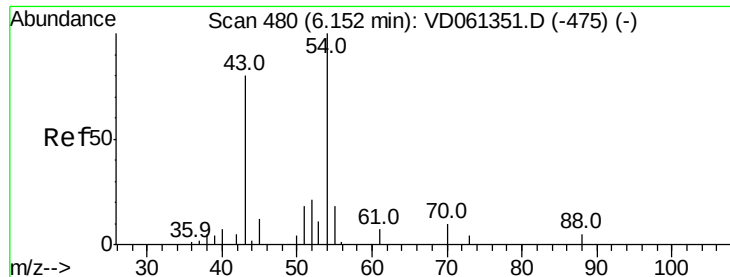


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

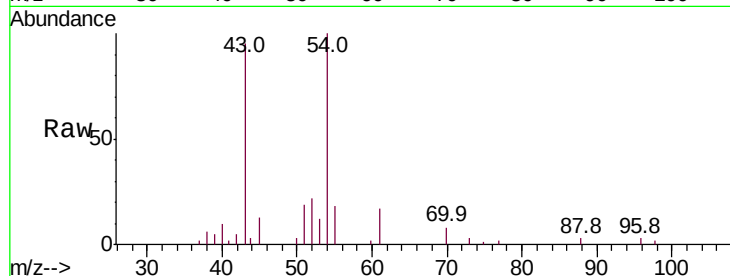




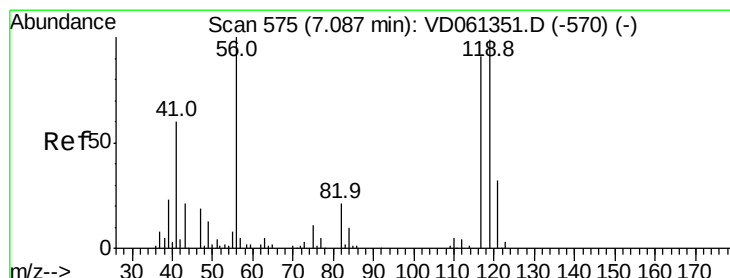
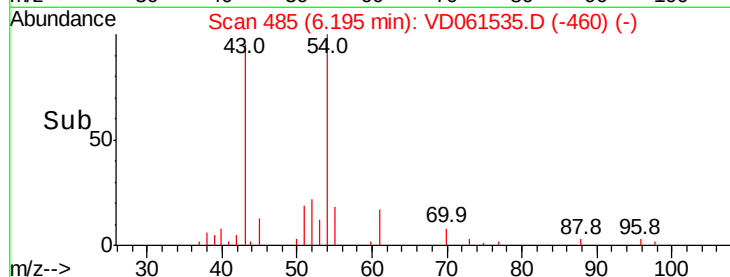
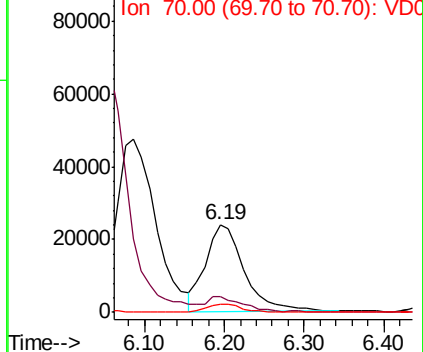
#37
Ethyl Acetate
Concen: 22.497 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

Tot Ion: 43 Resp: 80679
Ion Ratio Lower Upper
43 100
61 18.2 13.8 20.8
70 8.6 7.8 11.8

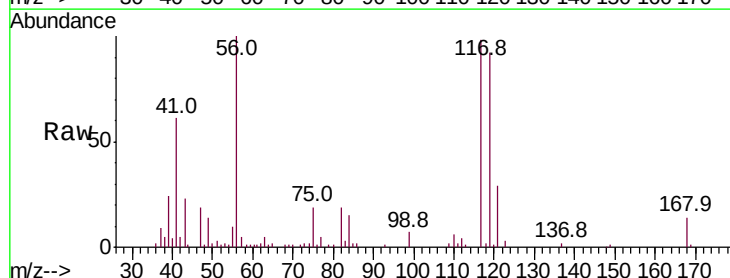


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

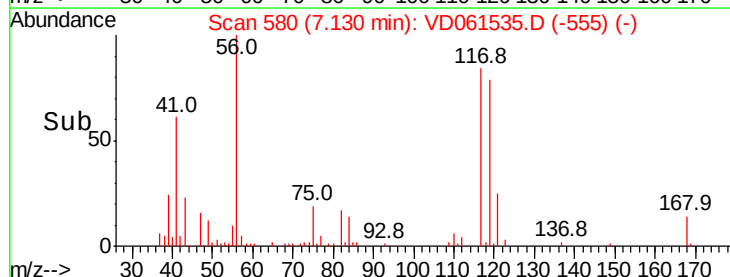
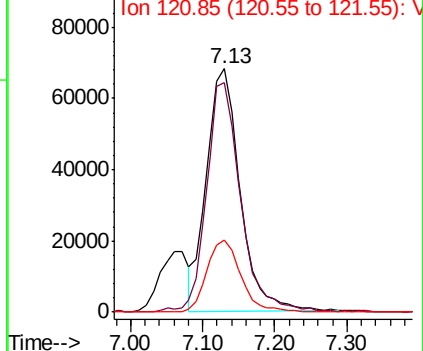


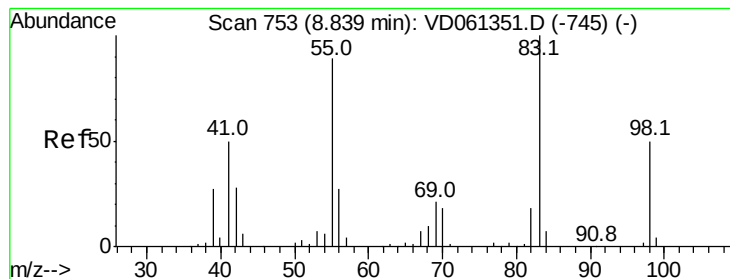
#38
Carbon Tetrachloride
Concen: 22.719 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 117 Resp: 218909
Ion Ratio Lower Upper
117 100
119 94.1 80.1 120.1
121 29.8 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 21.112 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

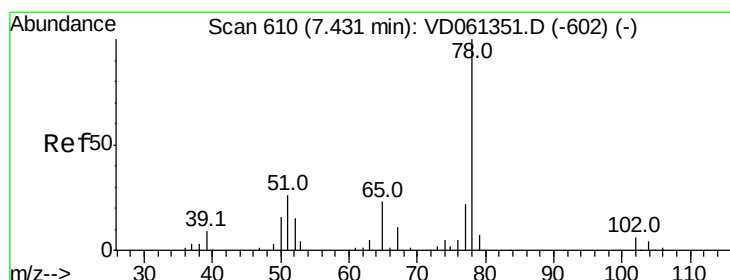
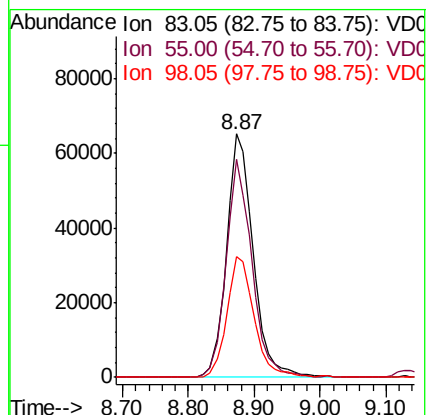
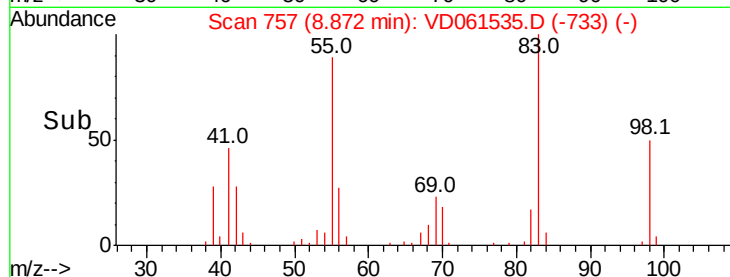
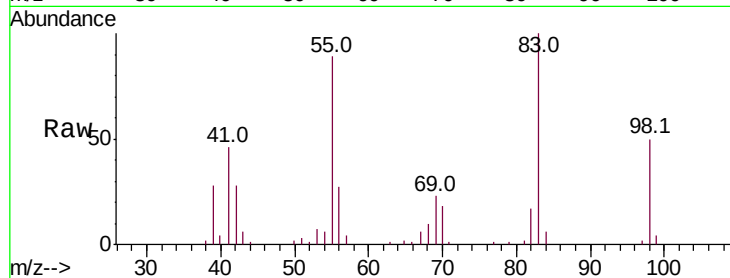
Tot Ion: 83 Resp: 184379

Ion Ratio Lower Upper

83 100

55 89.3 71.5 107.3

98 49.8 40.3 60.5



#40

Benzene

Concen: 22.459 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061535.D

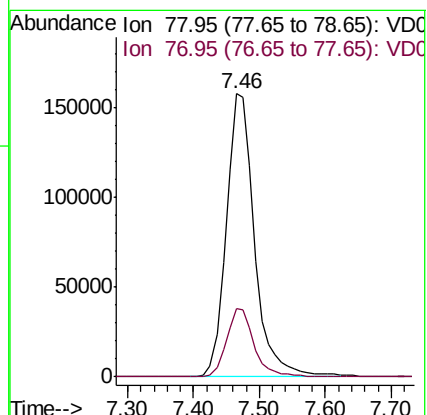
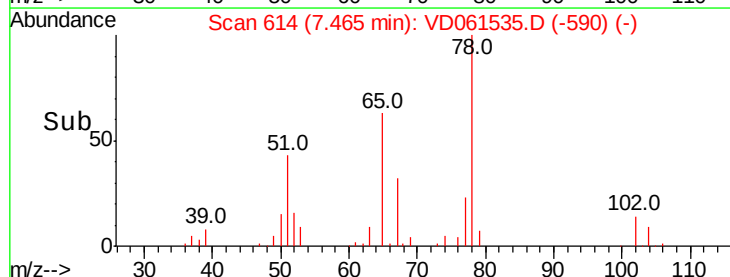
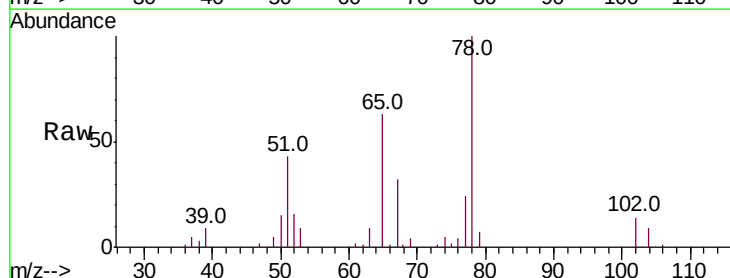
Acq: 3 Apr 2019 3:39

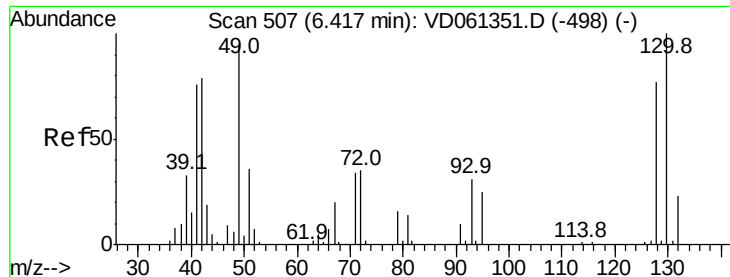
Tgt Ion: 78 Resp: 472646

Ion Ratio Lower Upper

78 100

77 23.9 17.8 26.6

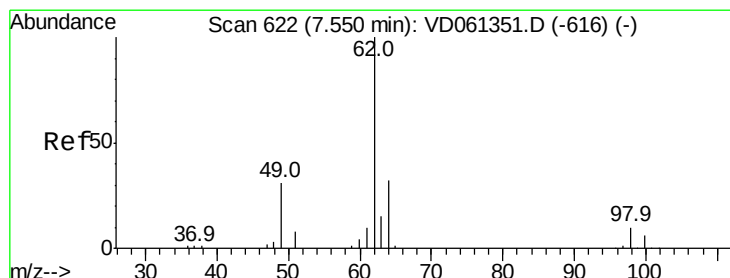
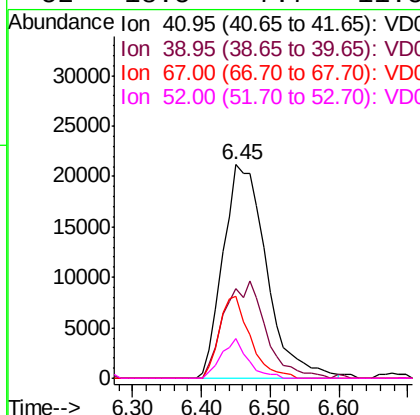
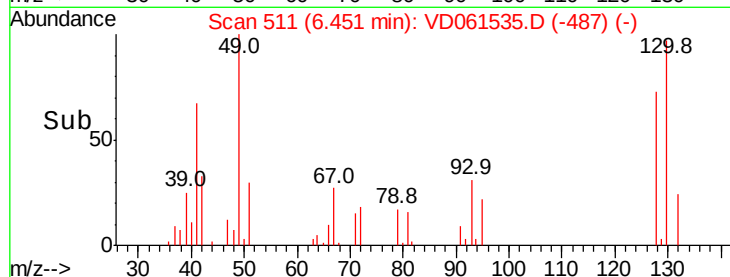
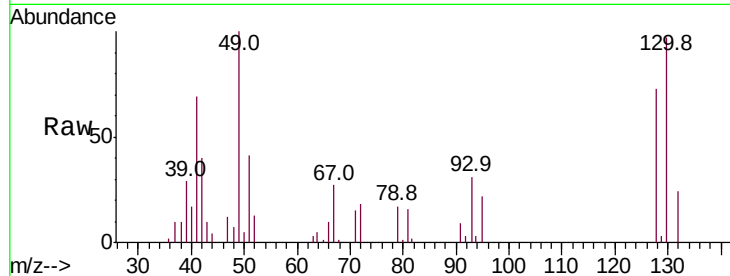




#41
Methacrylonitrile
Concen: 22.067 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

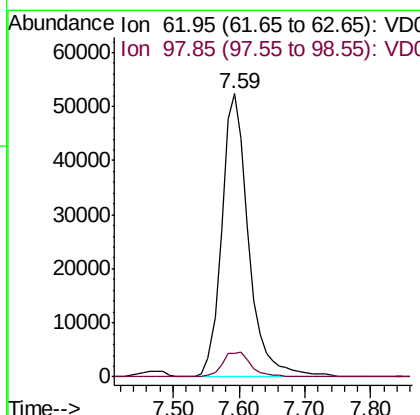
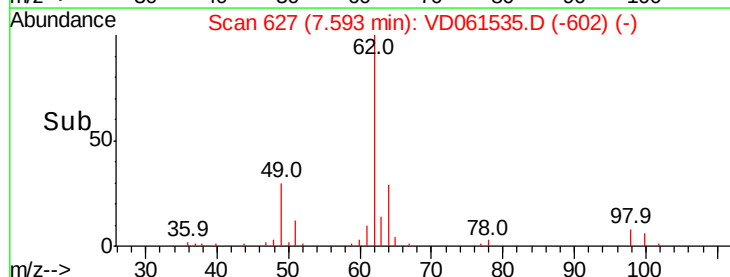
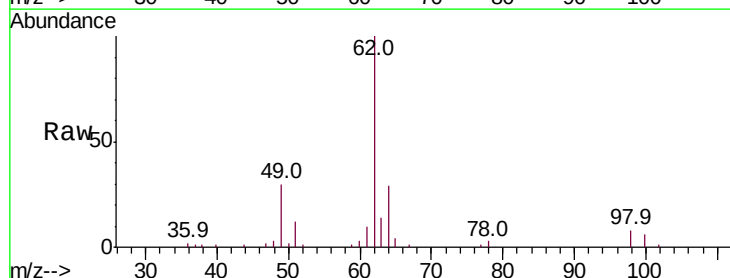
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

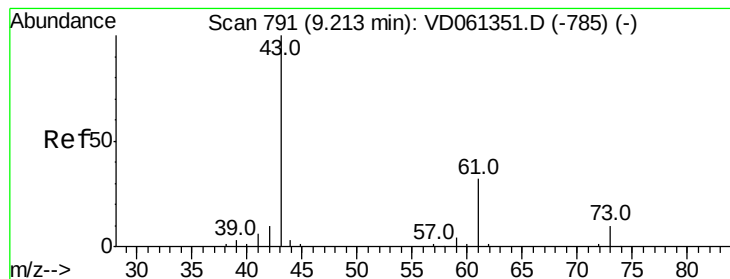
Tot Ion: 41 Resp: 92531
Ion Ratio Lower Upper
41 100
39 41.7 35.0 52.6
67 38.5 21.0 31.6#
52 18.5 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 23.644 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 62 Resp: 148841
Ion Ratio Lower Upper
62 100
98 8.4 0.0 19.8



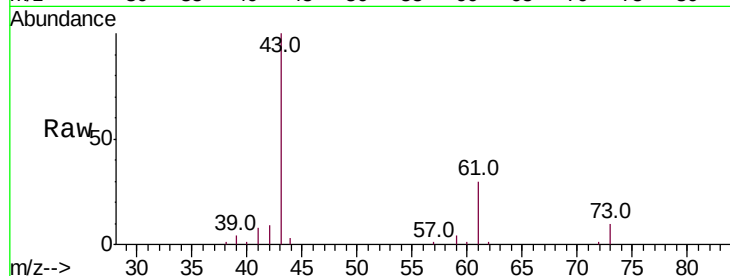


#43

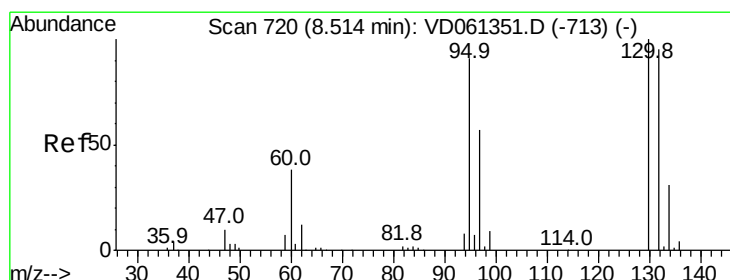
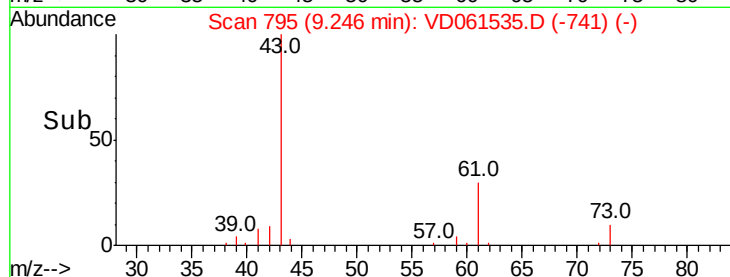
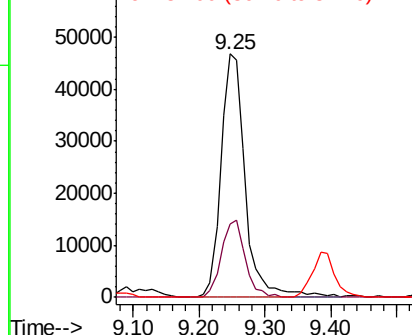
Isopropyl Acetate
 Concen: 23.000 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

Tot Ion: 43 Resp: 120013
 Ion Ratio Lower Upper
 43 100
 61 30.2 25.8 38.6
 87 0.0 0.0 0.0



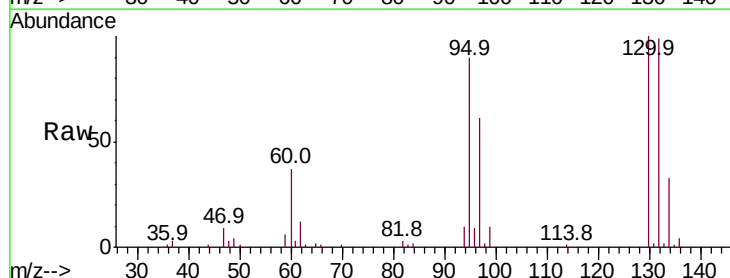
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



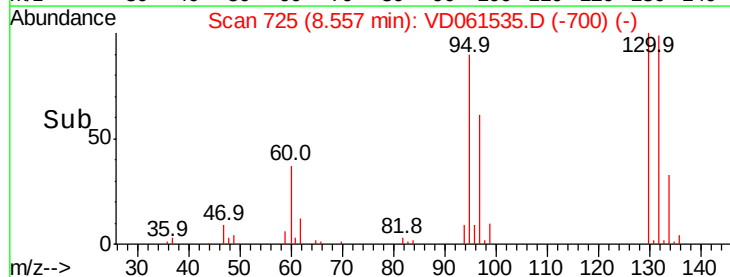
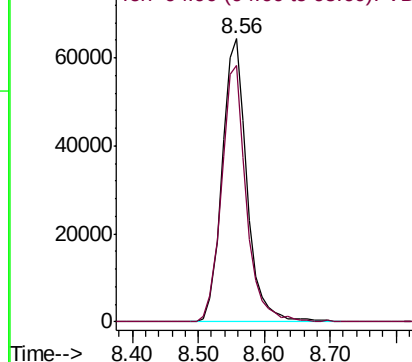
#44

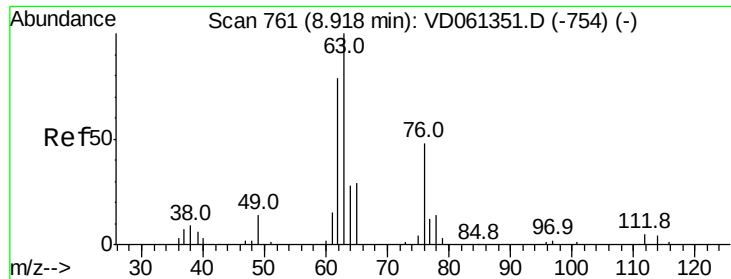
Trichloroethene
 Concen: 21.542 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.04 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 130 Resp: 168713
 Ion Ratio Lower Upper
 130 100
 95 90.4 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 24.187 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

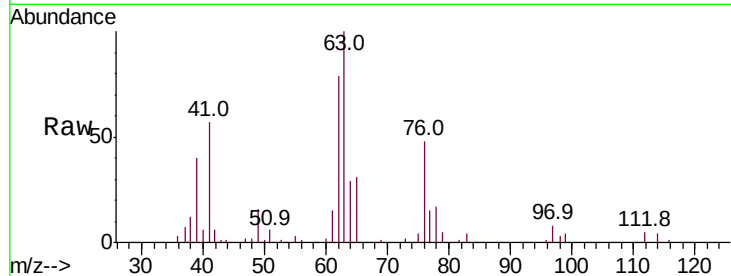
VD0402SBS03

Tot Ion: 63 Resp: 129070

Ion Ratio Lower Upper

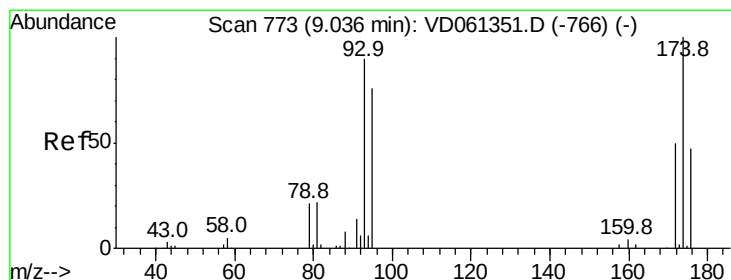
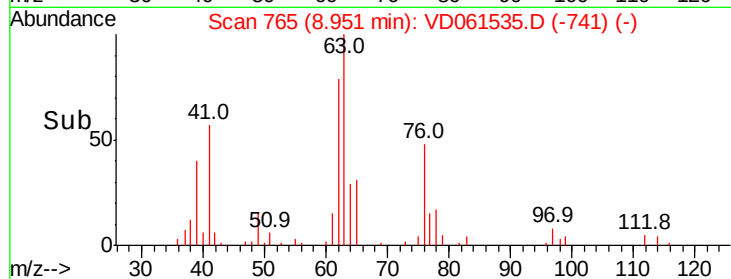
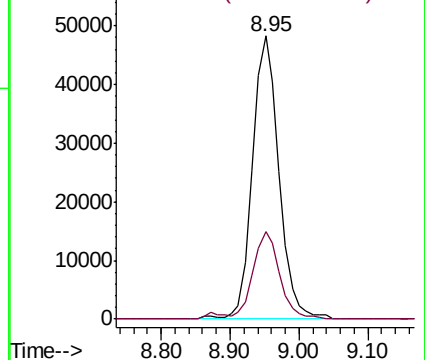
63 100

65 31.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.265 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

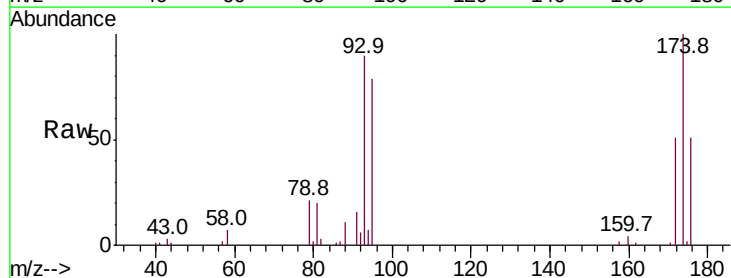
Tgt Ion: 93 Resp: 83565

Ion Ratio Lower Upper

93 100

95 88.4 67.4 101.0

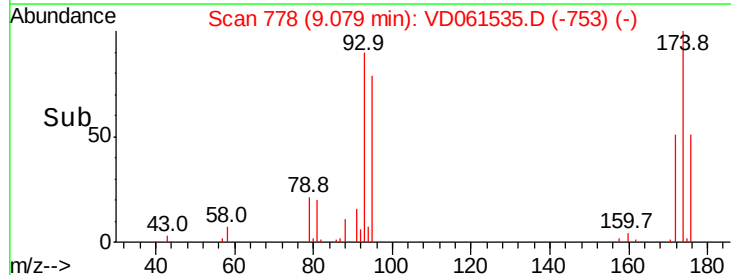
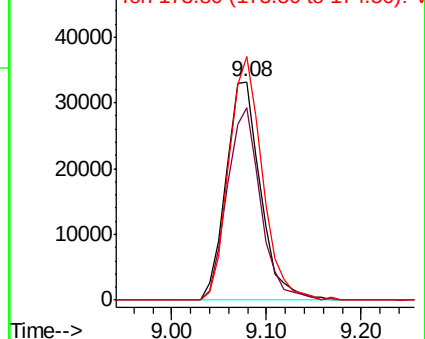
174 111.6 88.9 133.3

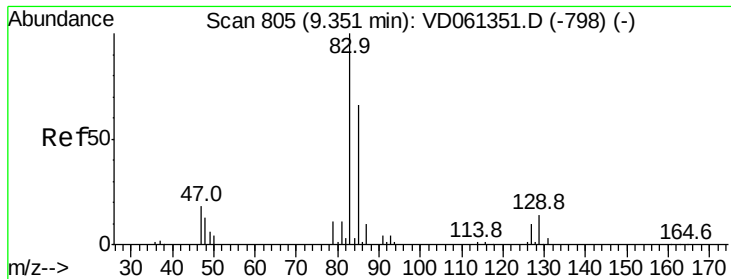


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.259 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

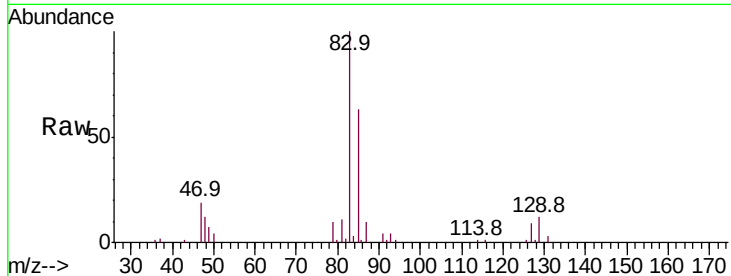
Tot Ion: 83 Resp: 195566

Ion Ratio Lower Upper

83 100

85 62.6 53.0 79.4

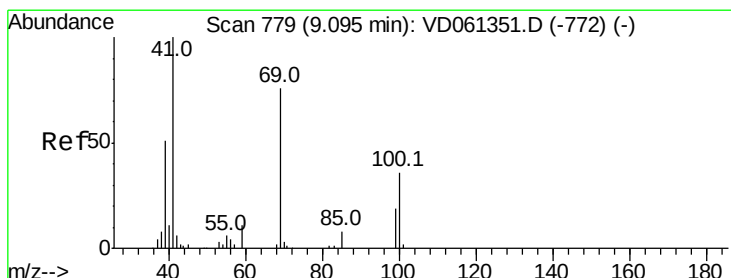
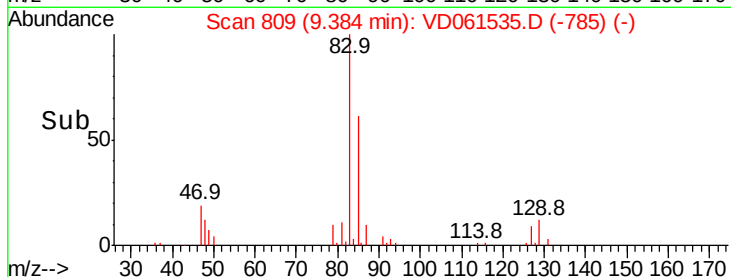
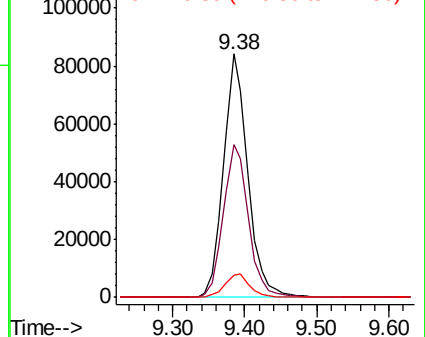
127 9.1 8.4 12.6



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: 24.499 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

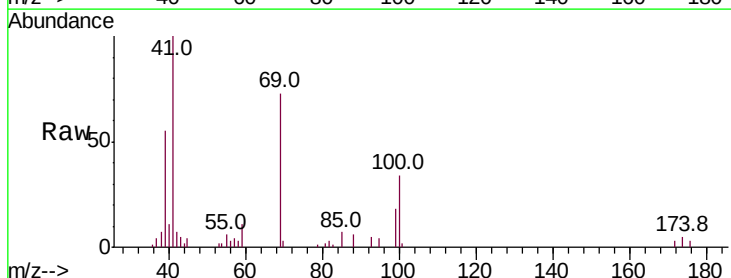
Tgt Ion: 41 Resp: 70550

Ion Ratio Lower Upper

41 100

69 73.2 60.2 90.4

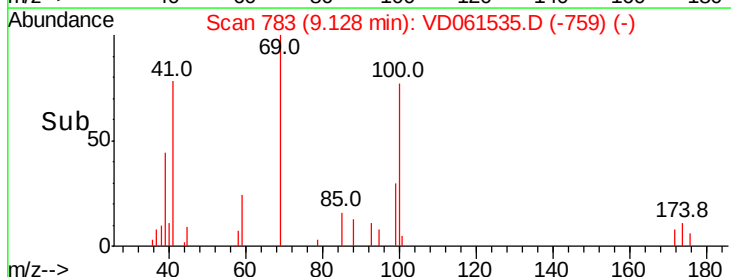
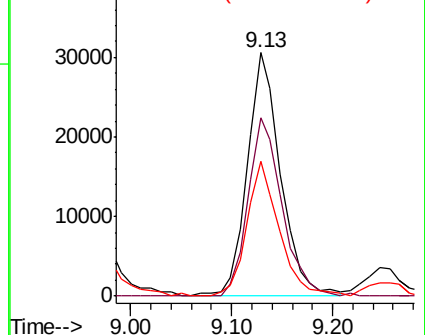
39 55.2 41.4 62.2

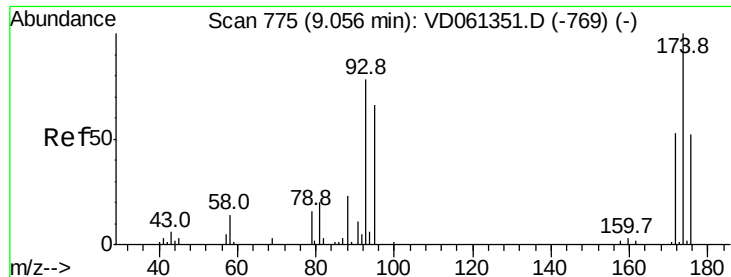


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 498.255 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

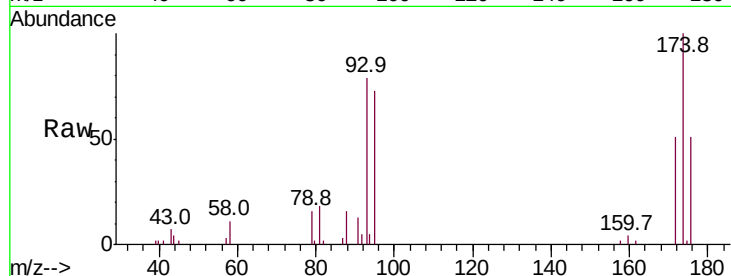
Tot Ion: 88 Resp: 15826

Ion Ratio Lower Upper

88 100

43 45.4 23.3 34.9#

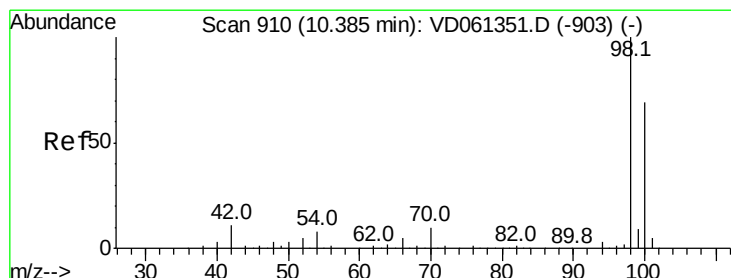
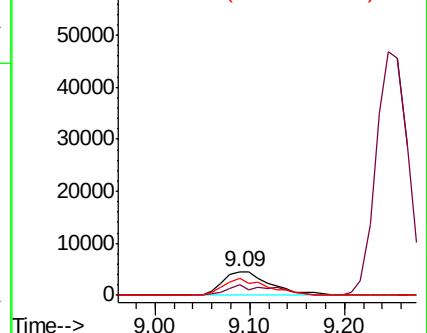
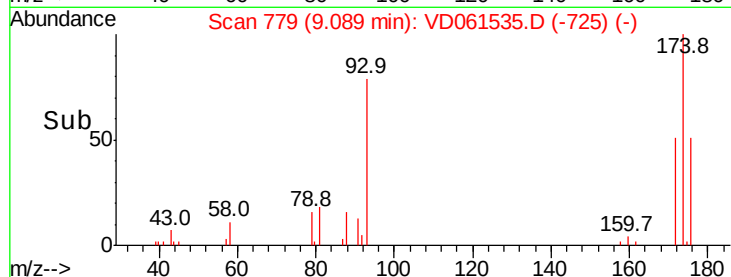
58 70.5 50.8 76.2



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: 498.255 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061535.D

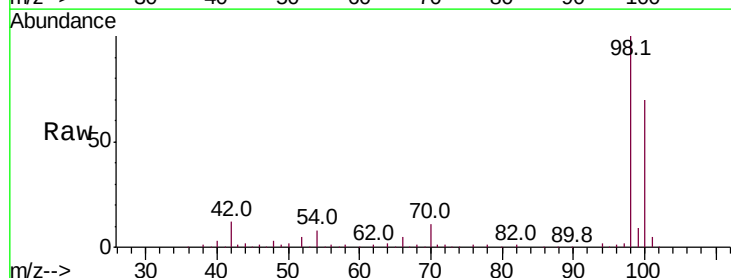
Acq: 3 Apr 2019 3:39

Tgt Ion: 98 Resp: 941495

Ion Ratio Lower Upper

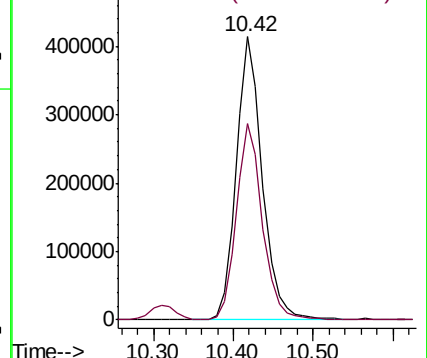
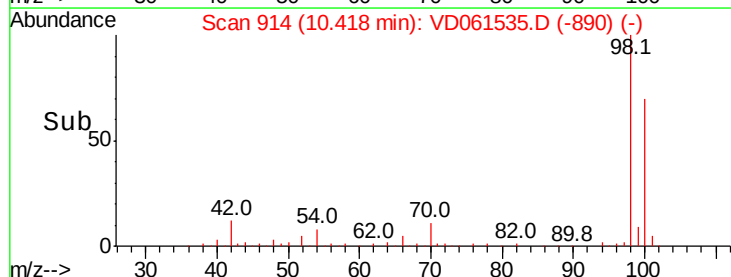
98 100

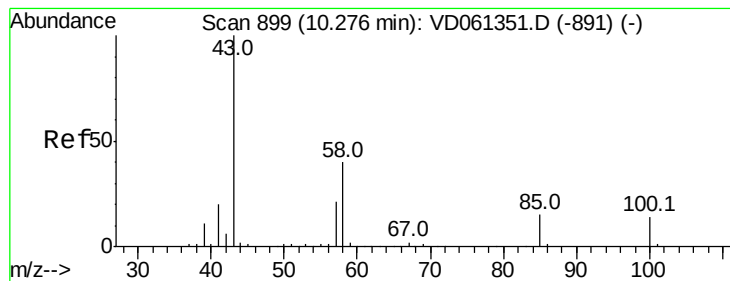
100 69.6 56.2 84.2



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: 113.742 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

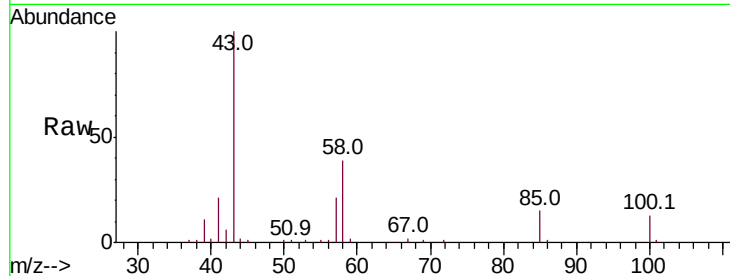
VD0402SBS03

Tot Ion: 43 Resp: 361079

Ion Ratio Lower Upper

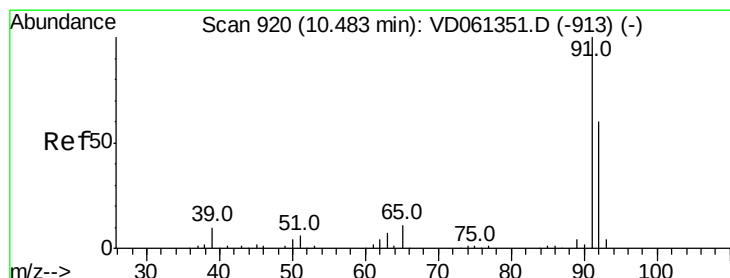
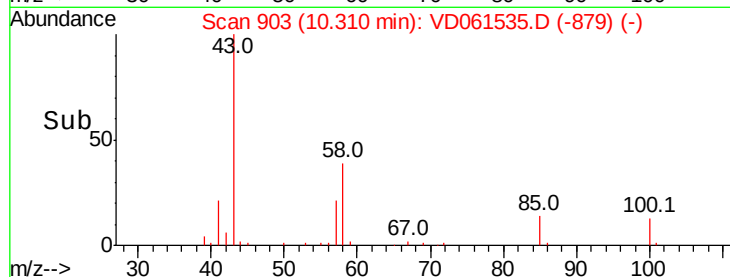
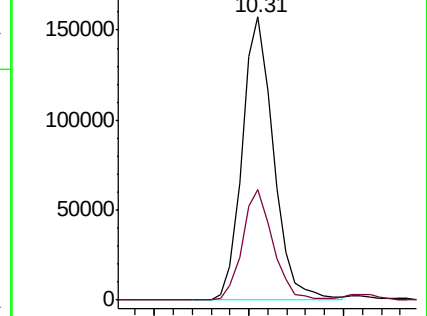
43 100

58 39.3 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 24.070 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061535.D

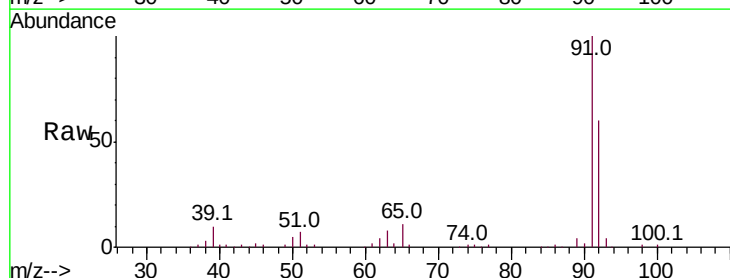
Acq: 3 Apr 2019 3:39

Tgt Ion: 92 Resp: 309040

Ion Ratio Lower Upper

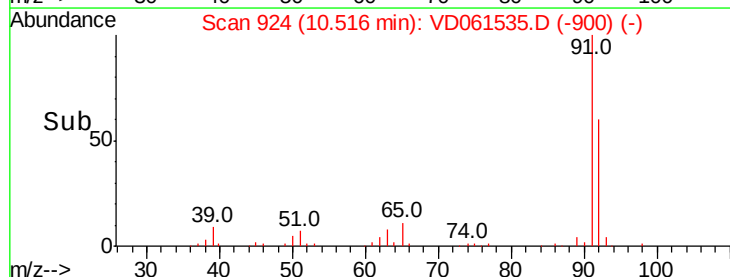
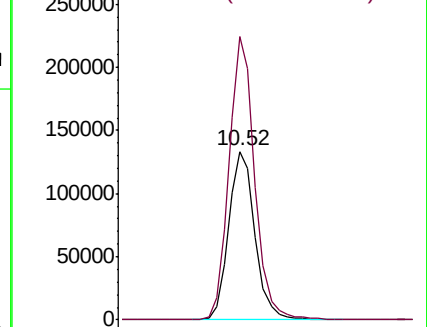
92 100

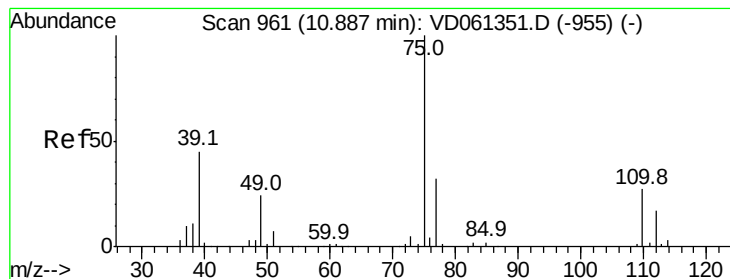
91 167.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.386 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

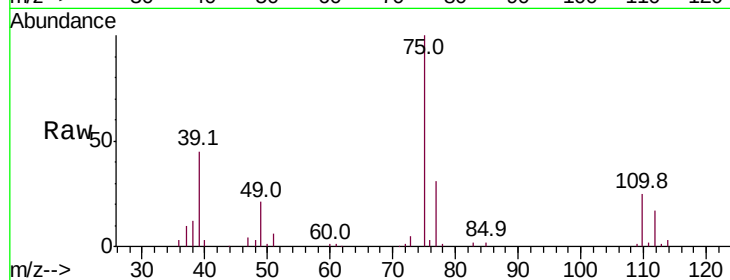
VD0402SBS03

Tot Ion: 75 Resp: 163961

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

80000

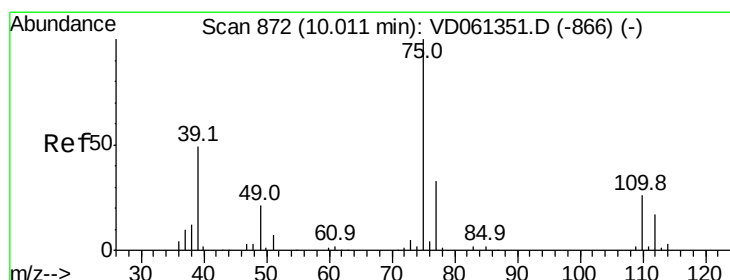
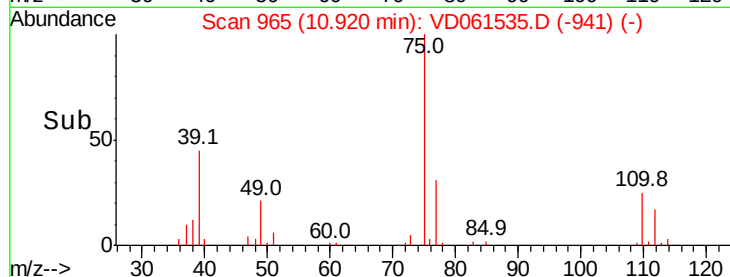
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 23.066 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.04 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

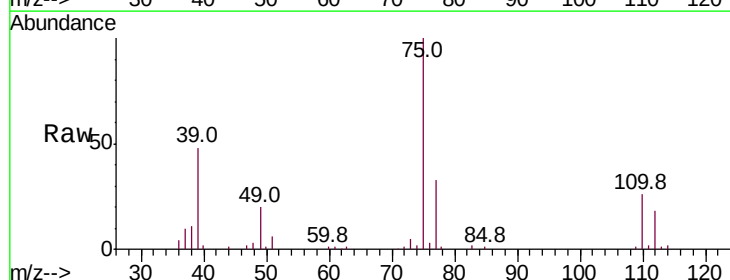
Tgt Ion: 75 Resp: 205716

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.4

39 48.0 39.4 59.0



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

10.05

120000

100000

80000

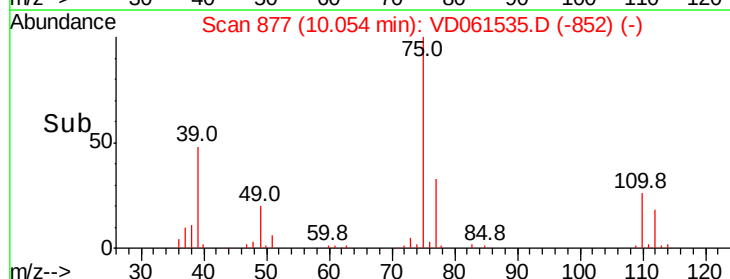
60000

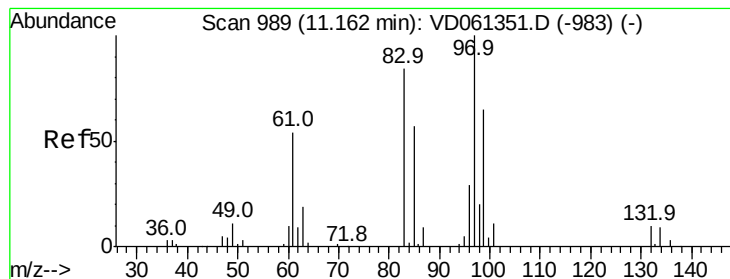
40000

20000

0

Time--> 9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 21.694 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

Tot Ion: 97 Resp: 97409

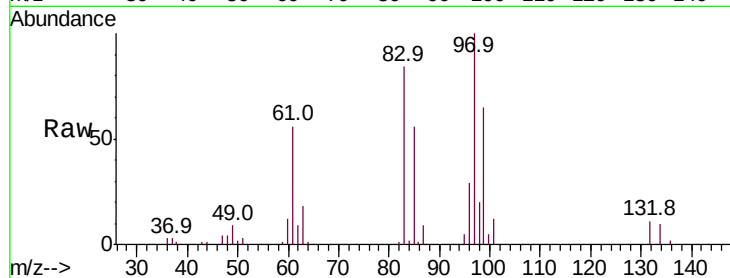
Ion Ratio Lower Upper

97 100

83 83.8 67.0 100.6

85 56.3 45.4 68.2

99 65.3 51.9 77.9

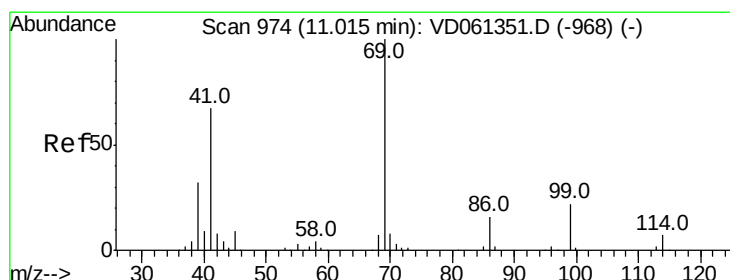
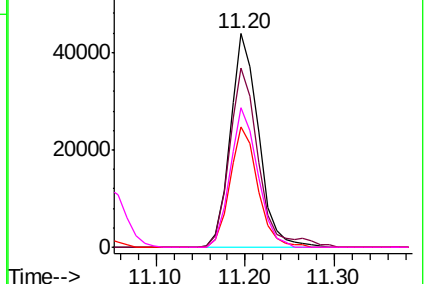
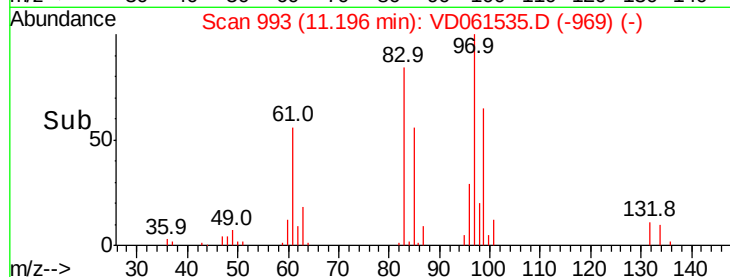


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 23.513 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.03 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

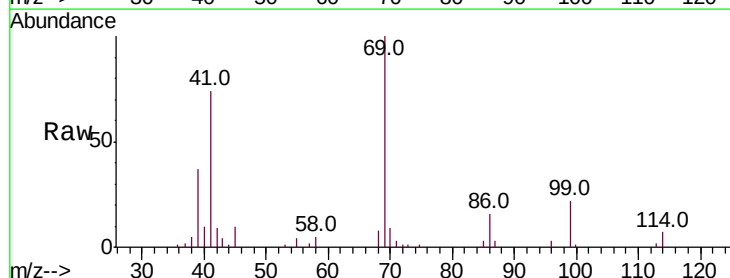
Tgt Ion: 69 Resp: 113419

Ion Ratio Lower Upper

69 100

41 74.4 53.8 80.6

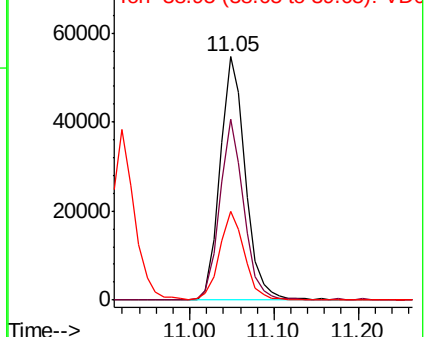
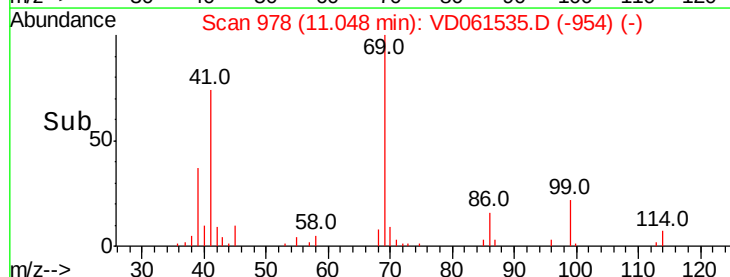
39 36.7 26.4 39.6

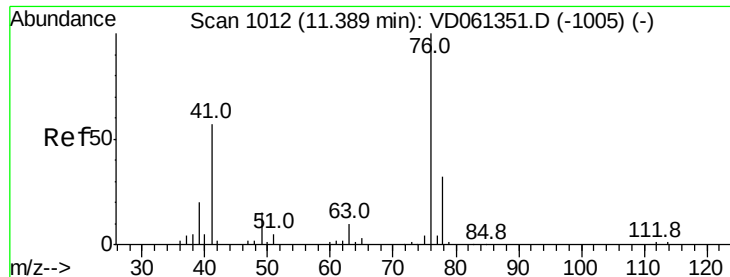


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.428 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

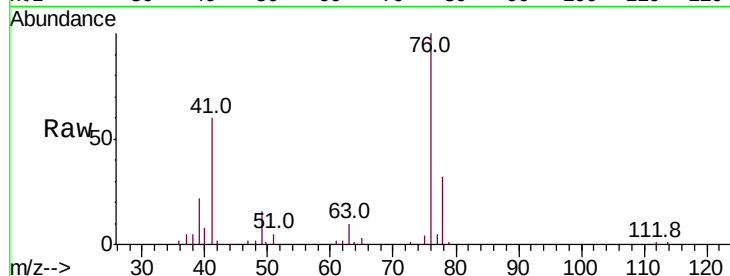
VD0402SBS03

Tot Ion: 76 Resp: 154614

Ion Ratio Lower Upper

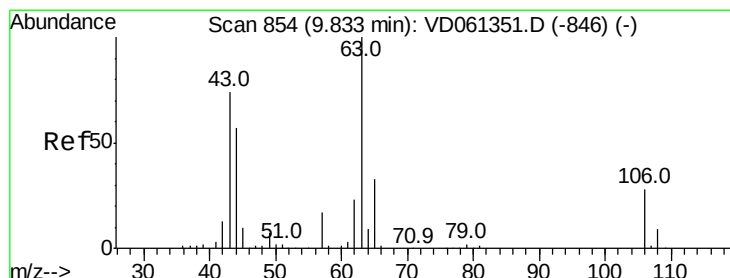
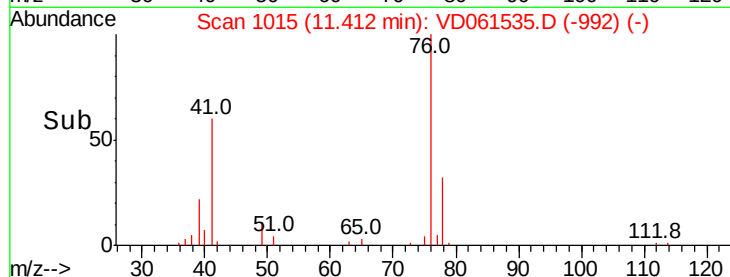
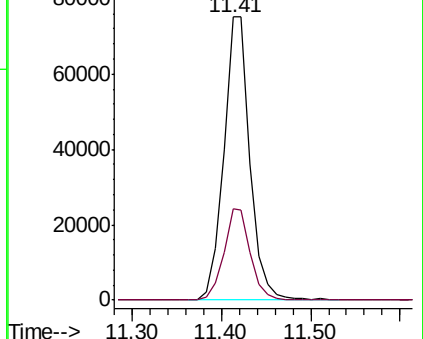
76 100

78 32.5 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 127.141 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD061535.D

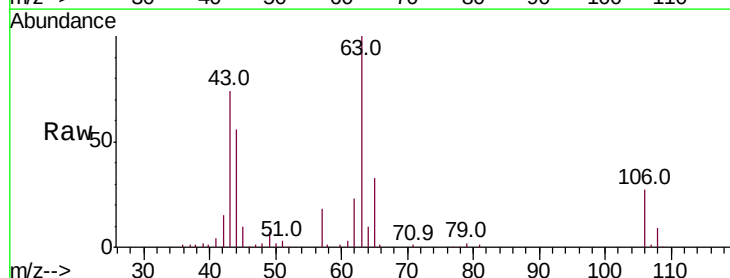
Acq: 3 Apr 2019 3:39

Tgt Ion: 63 Resp: 298661

Ion Ratio Lower Upper

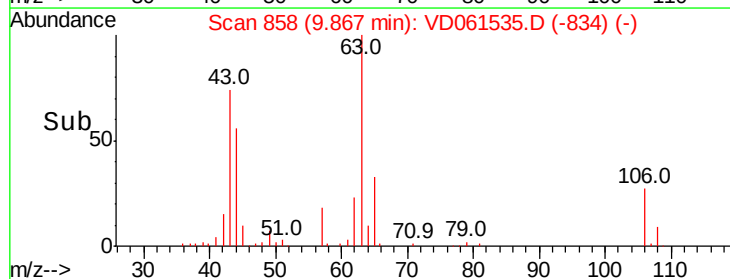
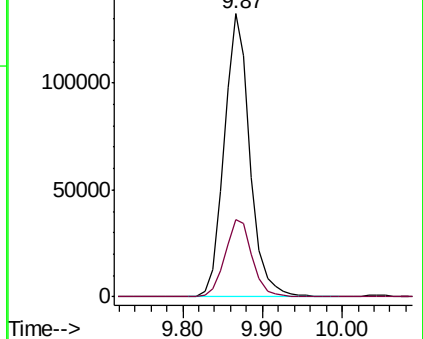
63 100

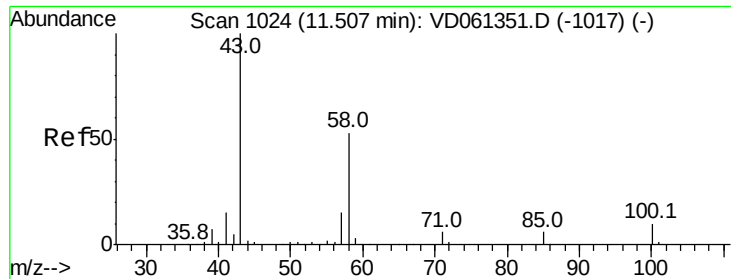
106 27.2 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

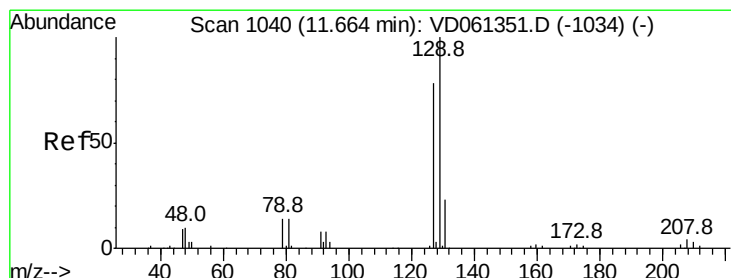
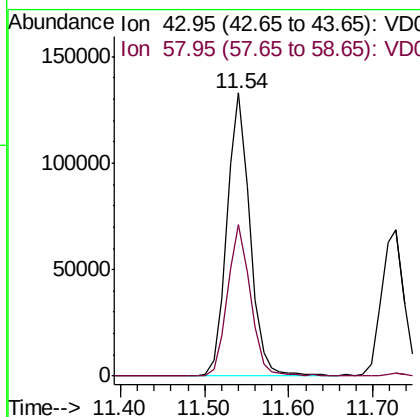
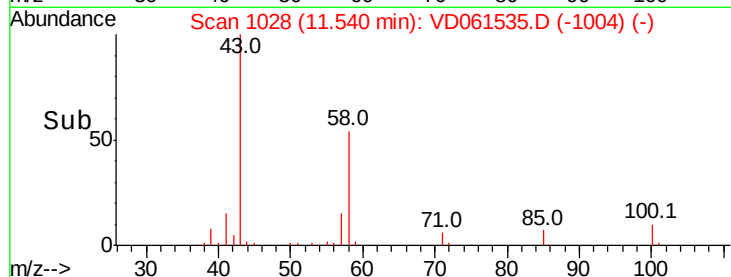
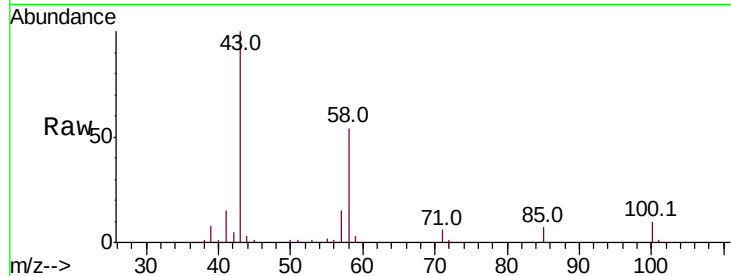




#59
2-Hexanone
Concen: 109.336 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

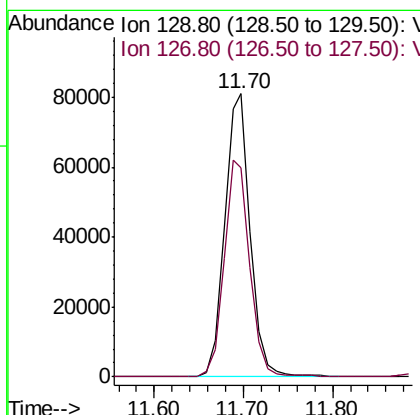
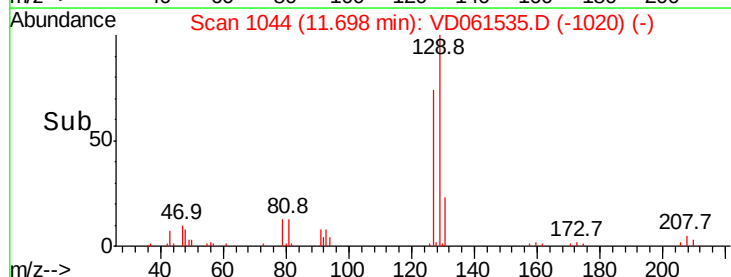
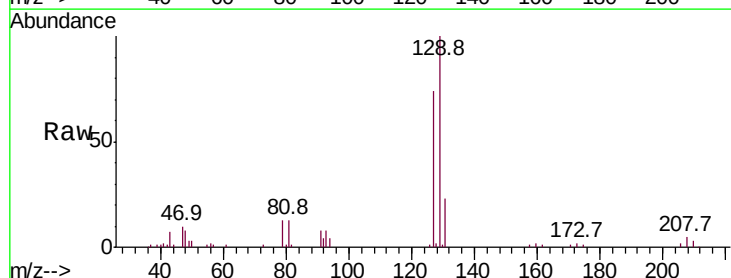
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

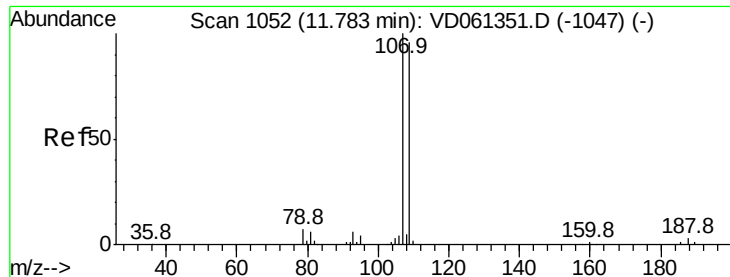
Tot Ion: 43 Resp: 251478
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.9



#60
Dibromochloromethane
Concen: 23.466 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 129 Resp: 162434
Ion Ratio Lower Upper
129 100
127 74.1 39.0 116.9

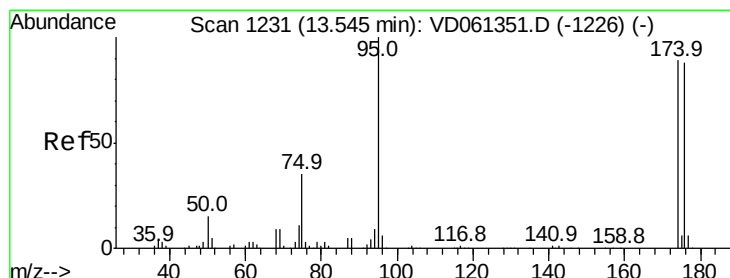
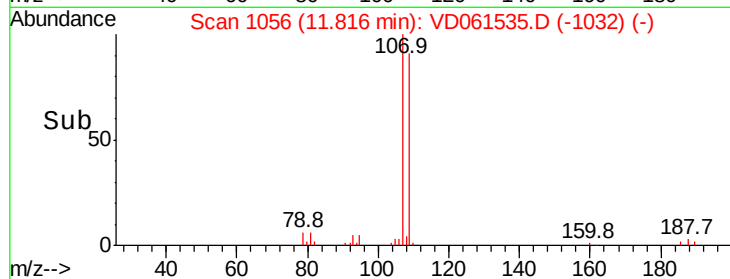
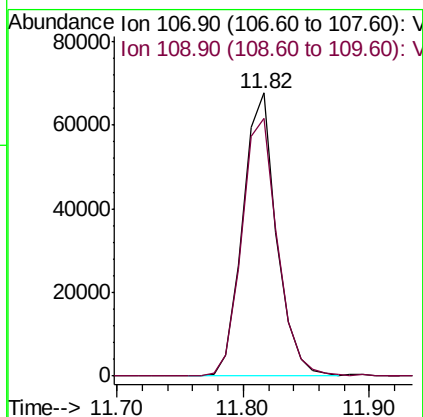
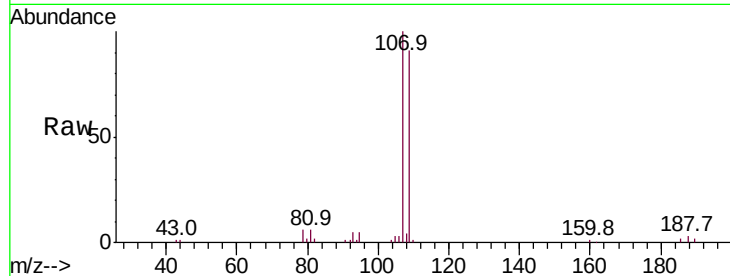




#61
 1,2-Dibromoethane
 Concen: 24.150 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.03 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

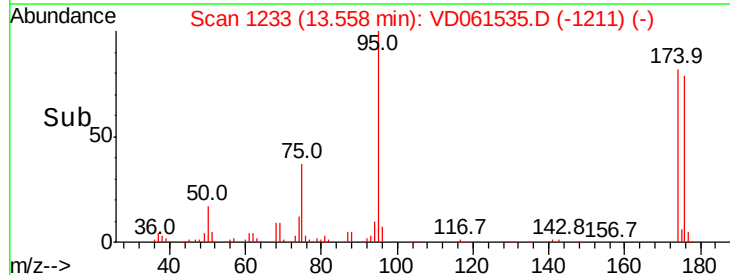
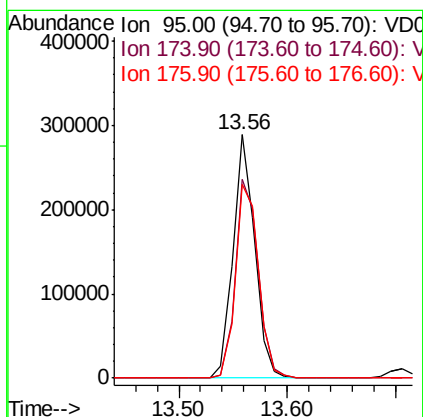
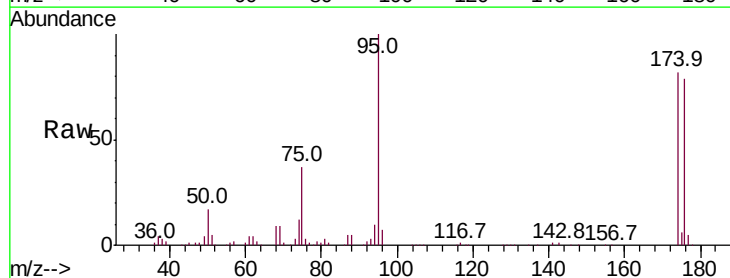
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

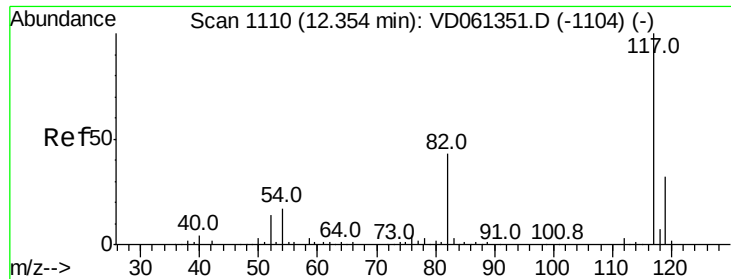
Tot Ion: 107 Resp: 125562
 Ion Ratio Lower Upper
 107 100
 109 91.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 24.150 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 95 Resp: 403968
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 178.0
 176 79.5 0.0 175.0

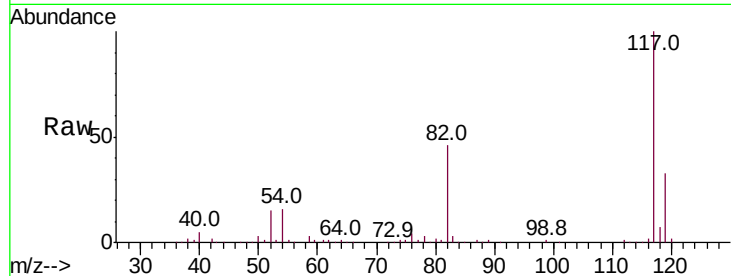




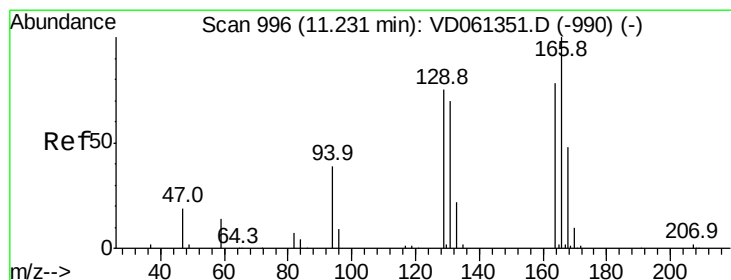
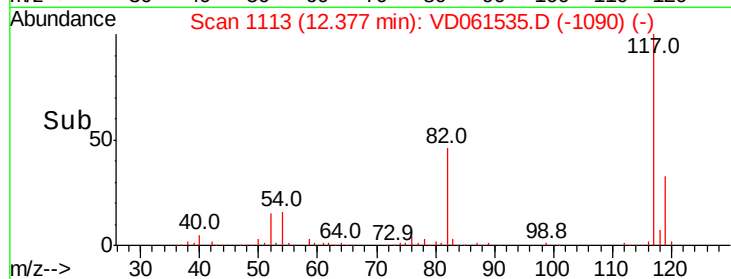
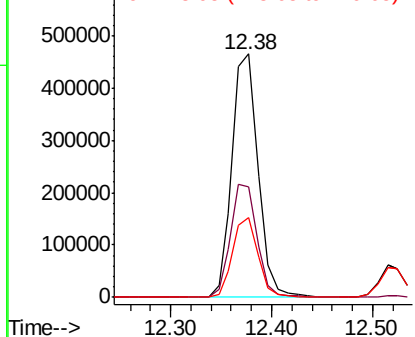
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

Tot Ion:117 Resp: 837313
Ion Ratio Lower Upper
117 100
82 45.5 34.4 51.6
119 32.6 25.8 38.6

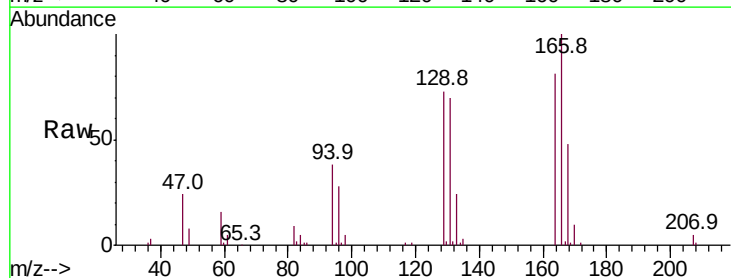


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

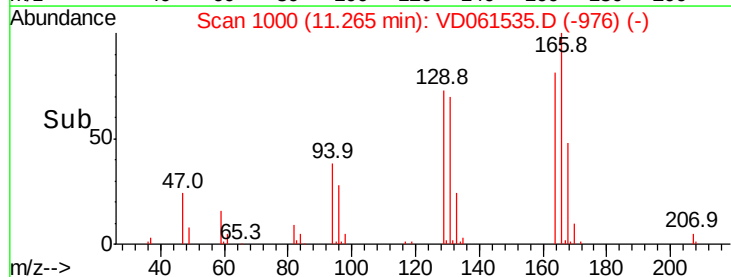
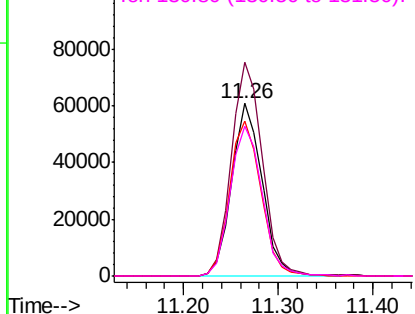


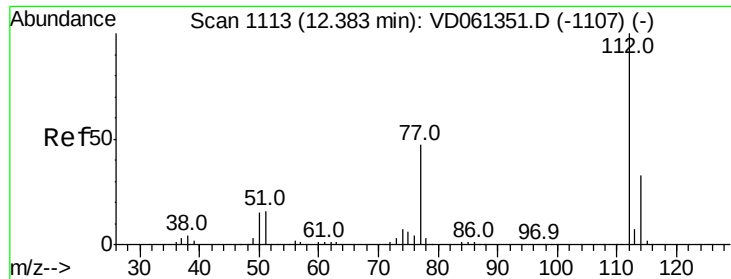
#64
Tetrachloroethene
Concen: 20.502 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion:164 Resp: 134730
Ion Ratio Lower Upper
164 100
166 123.9 102.4 153.6
129 90.1 76.8 115.2
131 86.8 71.8 107.6



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

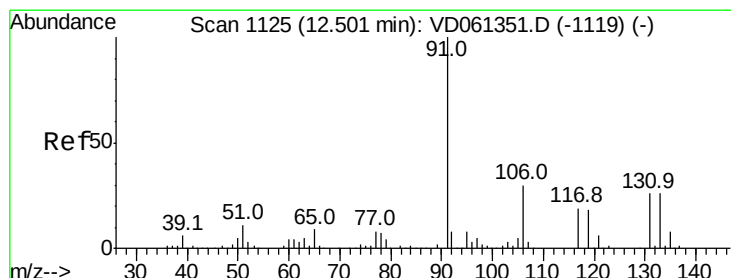
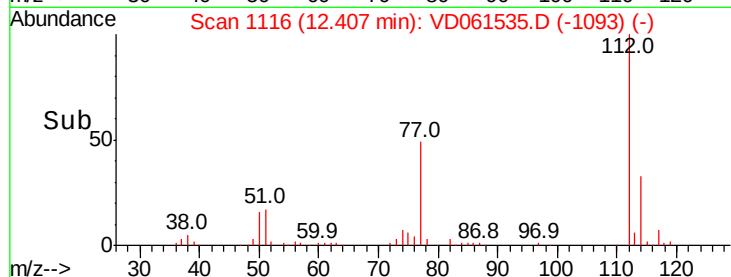
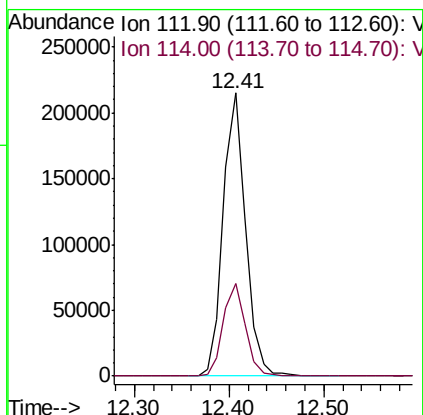
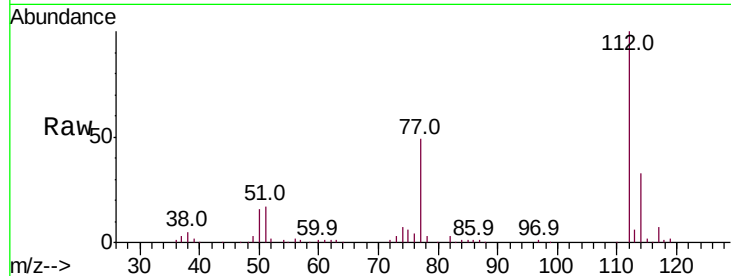




#65
Chlorobenzene
Concen: 20.621 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

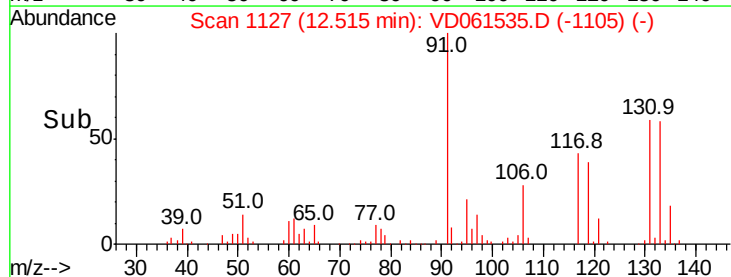
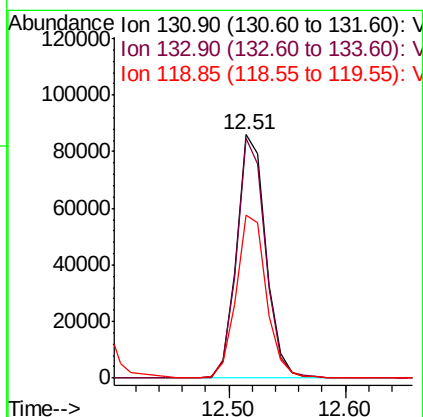
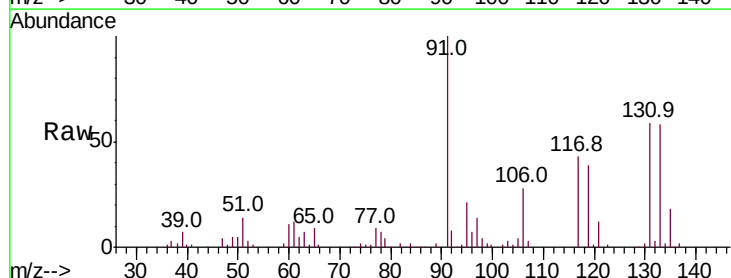
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

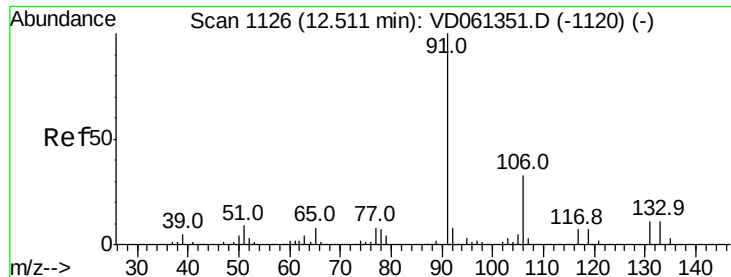
Tot Ion:112 Resp: 352858
Ion Ratio Lower Upper
112 100
114 32.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.643 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion:131 Resp: 150019
Ion Ratio Lower Upper
131 100
133 98.3 49.4 148.2
119 66.9 34.1 102.2

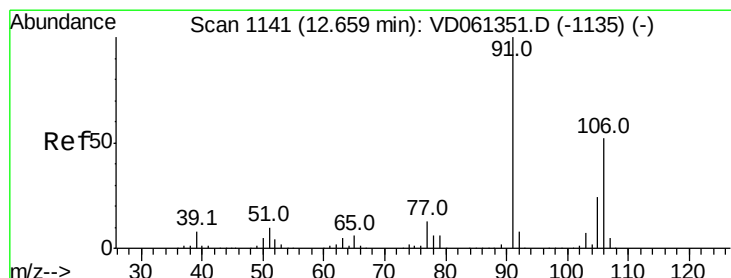
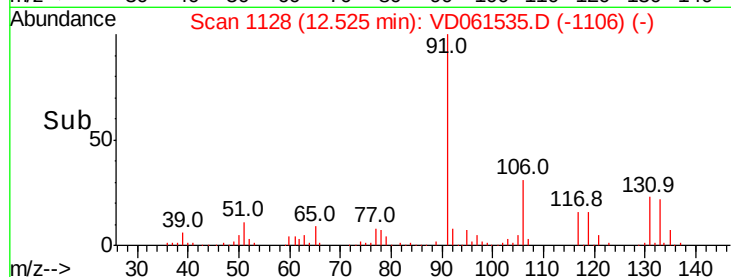
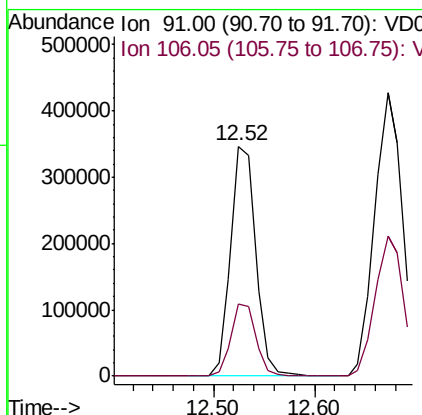
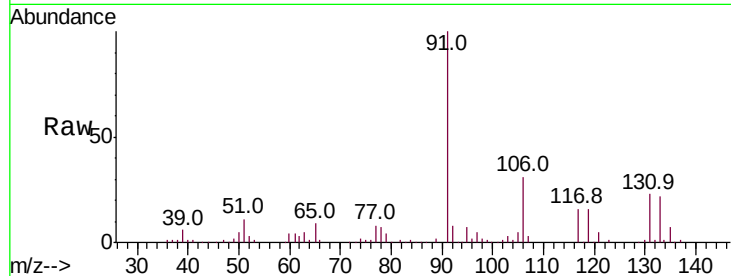




#67
Ethyl Benzene
Concen: 23.015 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

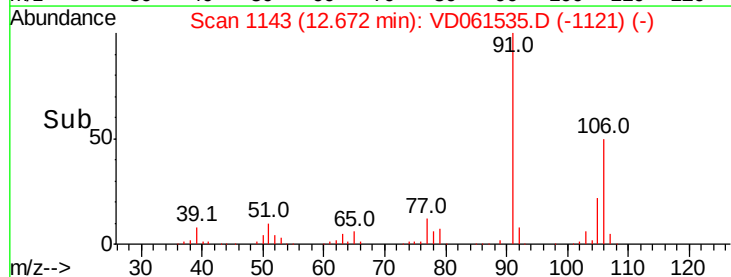
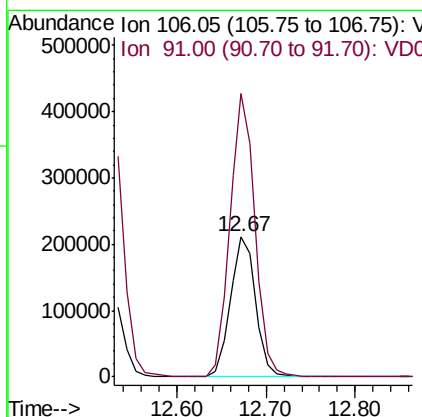
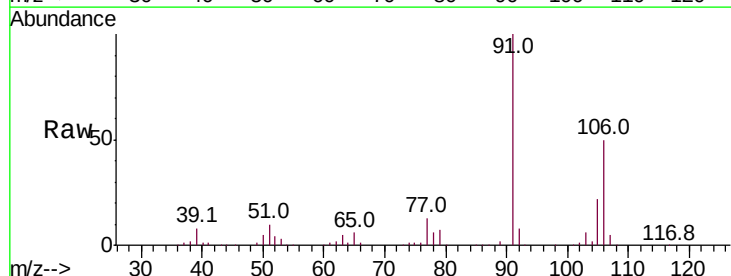
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

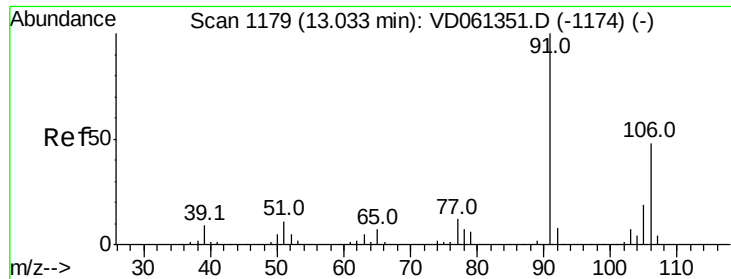
Tot Ion: 91 Resp: 601126
Ion Ratio Lower Upper
91 100
106 31.4 26.1 39.1



#68
m/p-Xylenes
Concen: 42.535 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 106 Resp: 420846
Ion Ratio Lower Upper
106 100
91 201.2 153.1 229.7

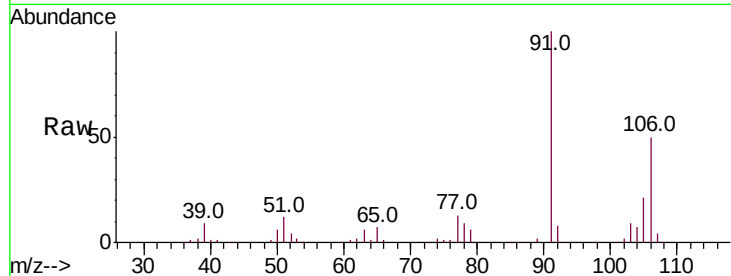




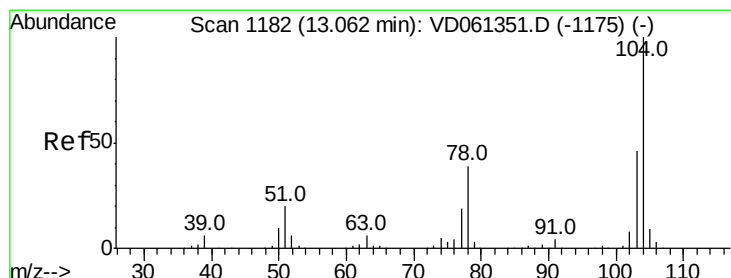
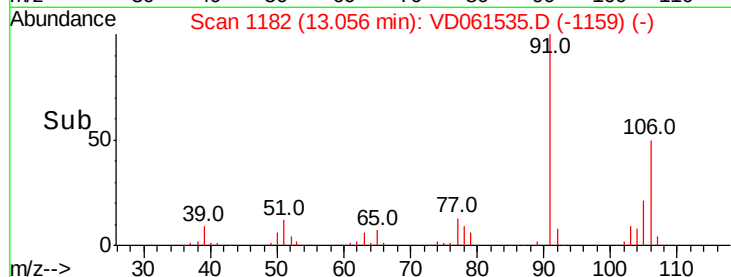
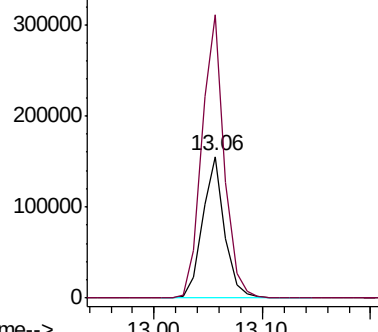
#69
o-Xylene
Concen: 22.702 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

Tot Ion:106 Resp: 217972
Ion Ratio Lower Upper
106 100
91 200.2 103.8 311.3

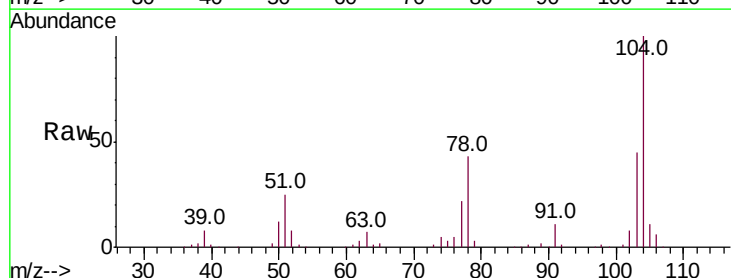


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

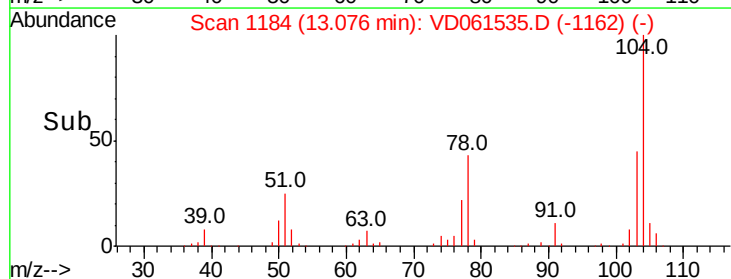
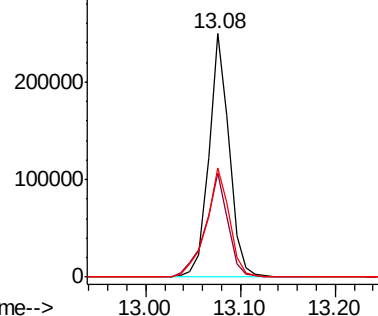


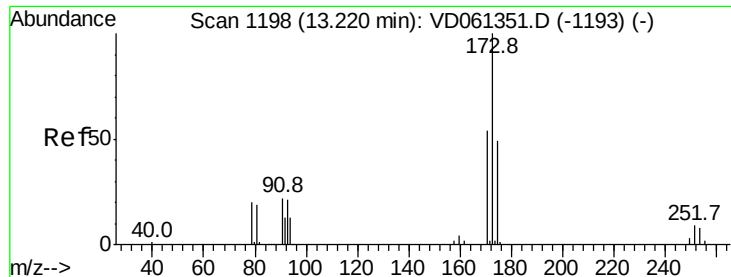
#70
Styrene
Concen: 22.032 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion:104 Resp: 368747
Ion Ratio Lower Upper
104 100
78 42.9 31.0 46.6
103 45.1 37.0 55.4



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

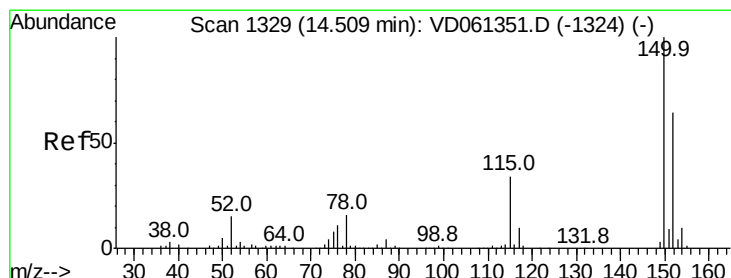
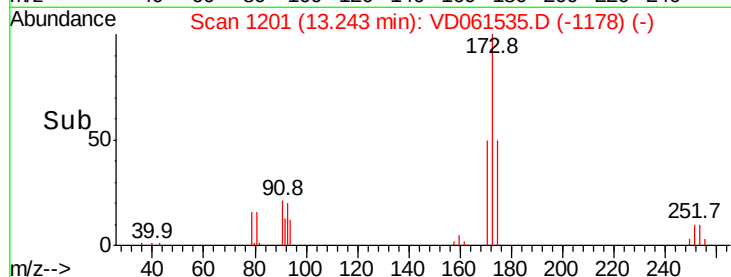
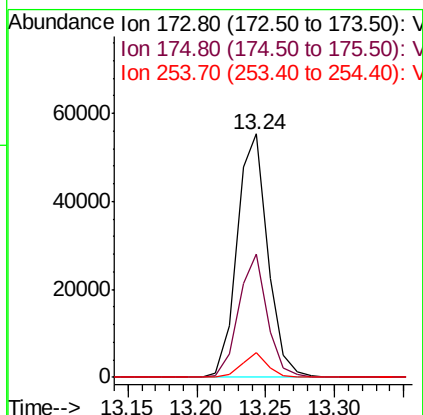
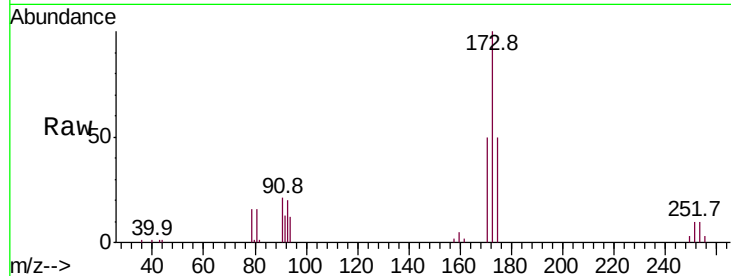




#71
Bromoform
Concen: 20.390 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

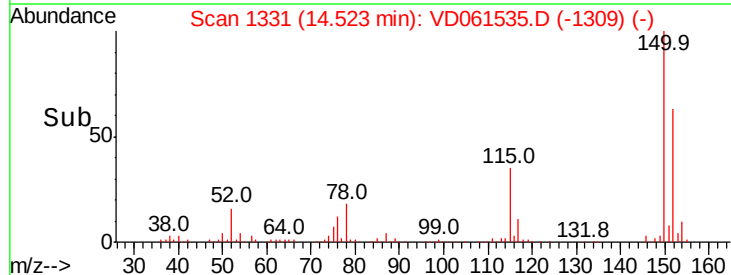
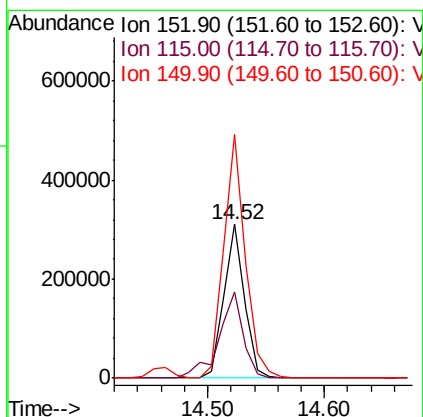
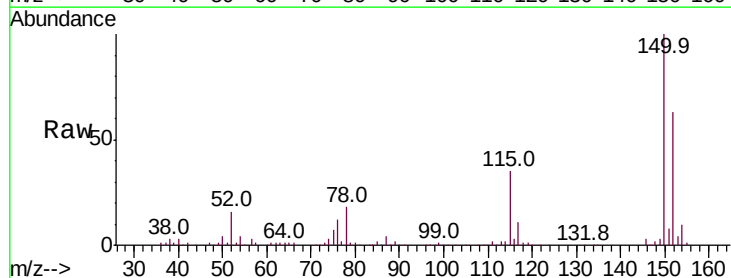
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

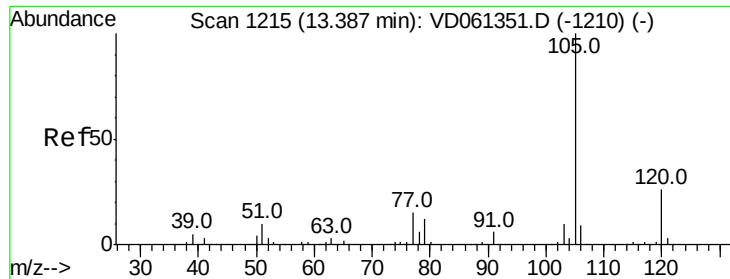
Tot Ion:173 Resp: 85638
Ion Ratio Lower Upper
173 100
175 50.4 24.6 73.8
254 10.2 6.6 10.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion:152 Resp: 378637
Ion Ratio Lower Upper
152 100
115 56.0 26.9 80.6
150 158.5 0.0 318.0

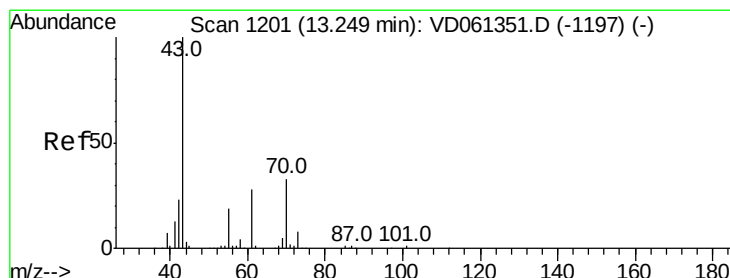
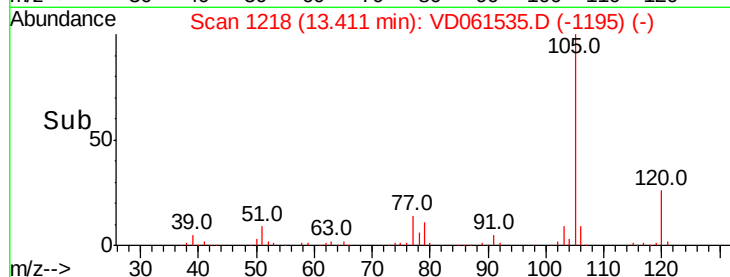
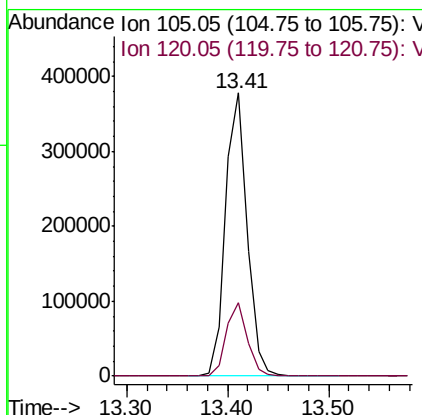
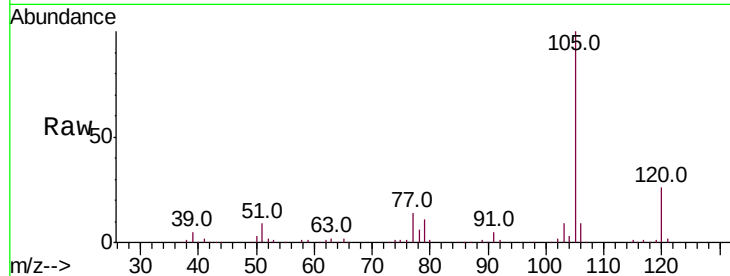




#73
Isopropylbenzene
Concen: 21.326 ug/l
RT: 13.41 min Scan# 1218
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

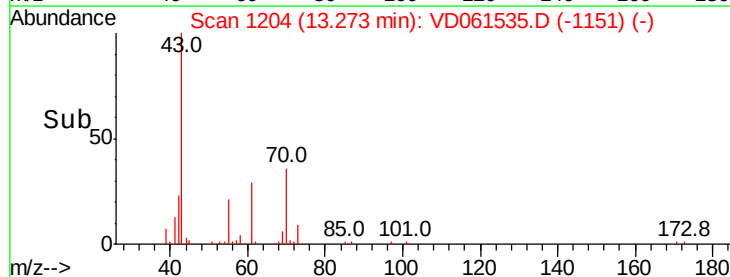
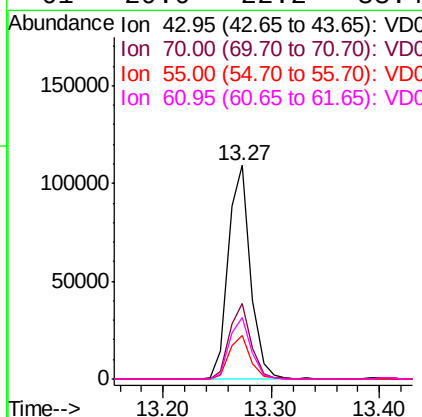
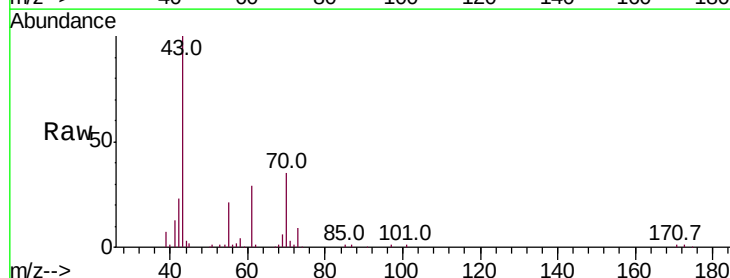
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

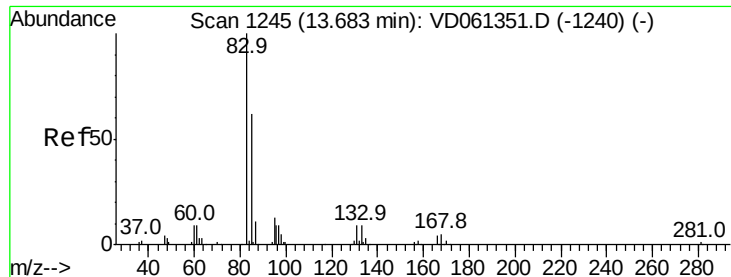
Tot Ion:105 Resp: 562005
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3



#74
N-ethyl acetate
Concen: 21.277 ug/l
RT: 13.27 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 43 Resp: 156194
Ion Ratio Lower Upper
43 100
70 35.4 26.6 40.0
55 20.5 15.4 23.2
61 29.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.297 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

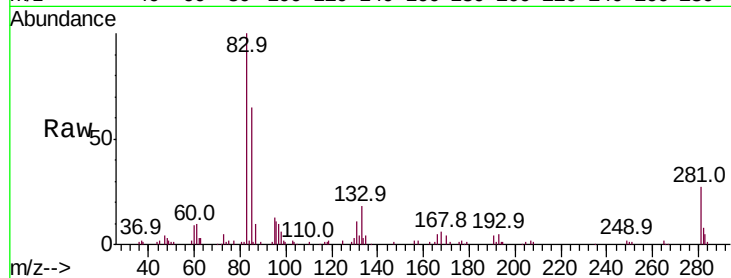
Tot Ion: 83 Resp: 112836

Ion Ratio Lower Upper

83 100

131 10.6 4.3 13.1

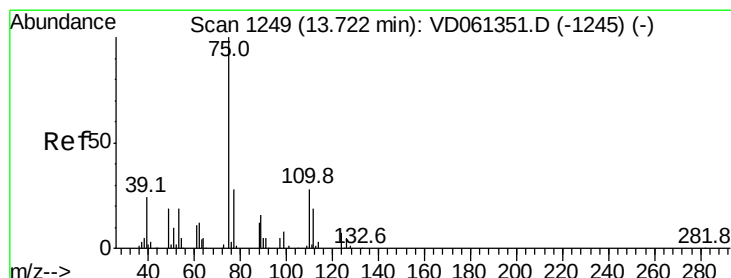
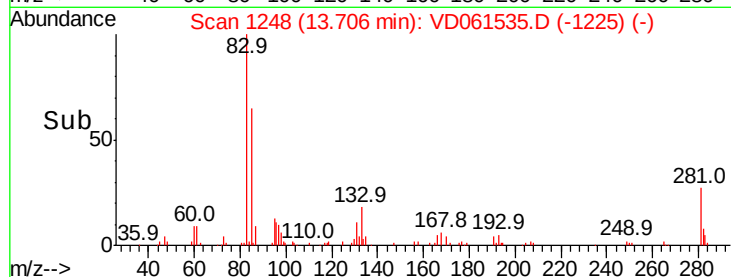
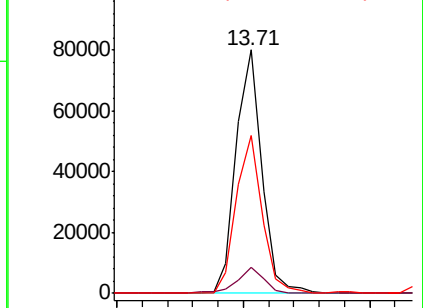
85 64.9 31.2 93.6



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: 19.762 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061535.D

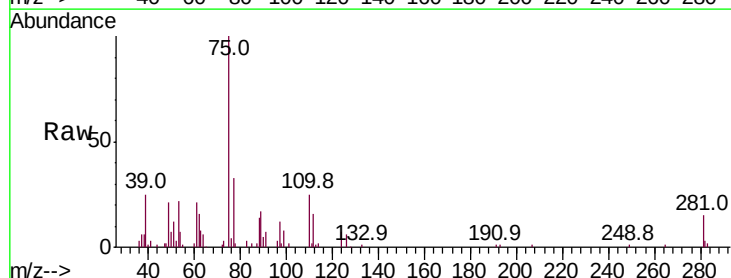
Acq: 3 Apr 2019 3:39

Tgt Ion: 75 Resp: 108088

Ion Ratio Lower Upper

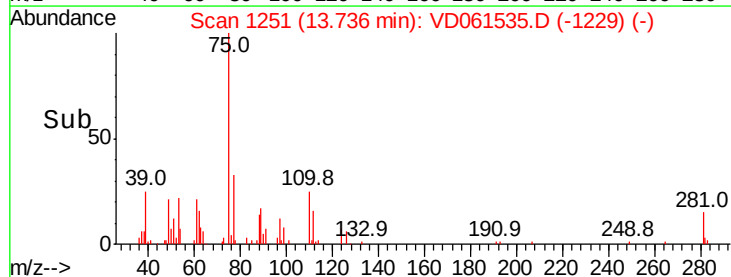
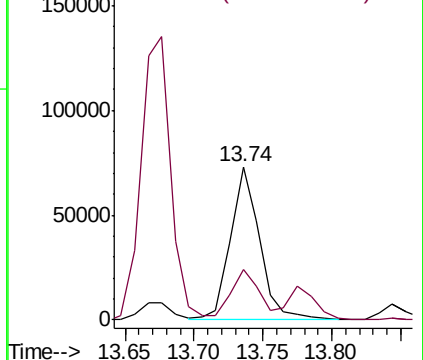
75 100

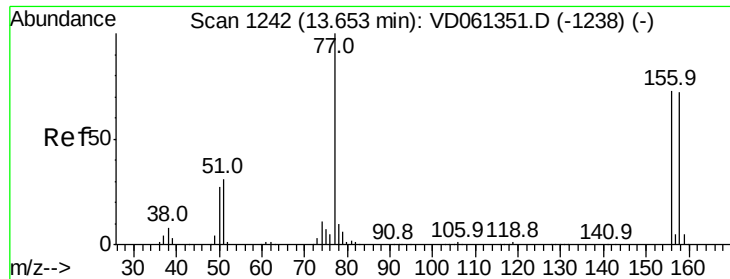
77 32.6 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.170 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

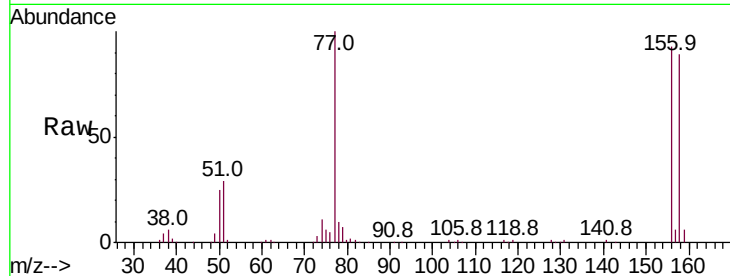
Tot Ion:156 Resp: 165389

Ion Ratio Lower Upper

156 100

77 108.0 68.5 205.6

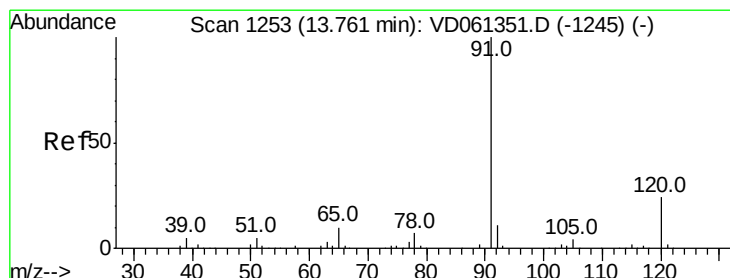
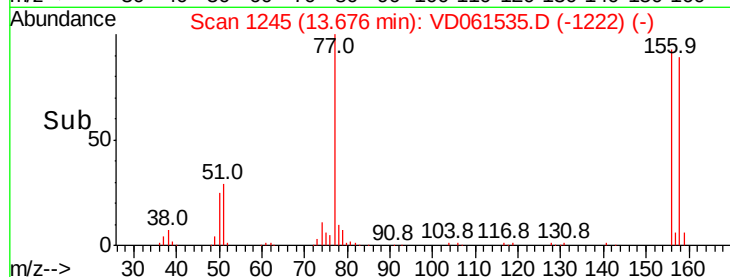
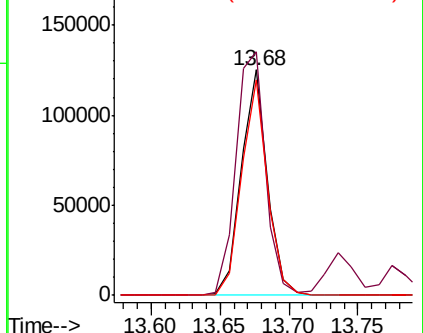
158 95.9 49.1 147.3



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: 19.799 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061535.D

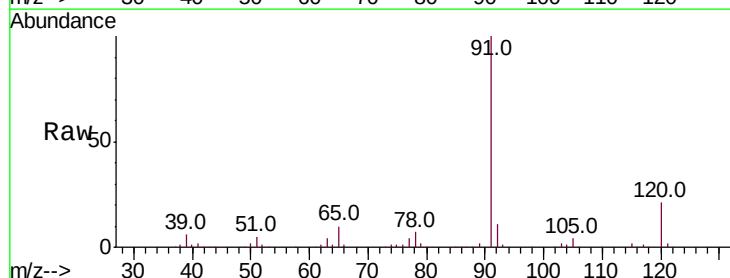
Acq: 3 Apr 2019 3:39

Tgt Ion: 91 Resp: 638517

Ion Ratio Lower Upper

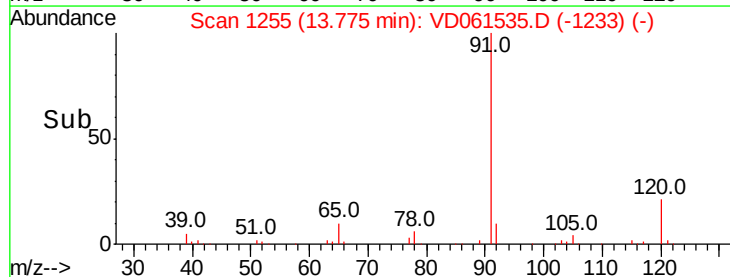
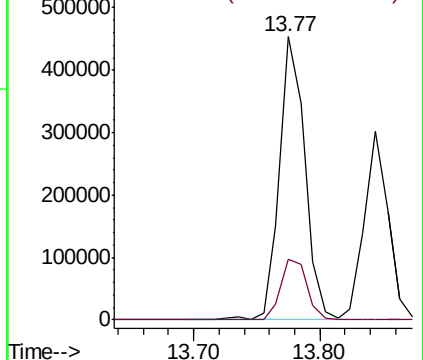
91 100

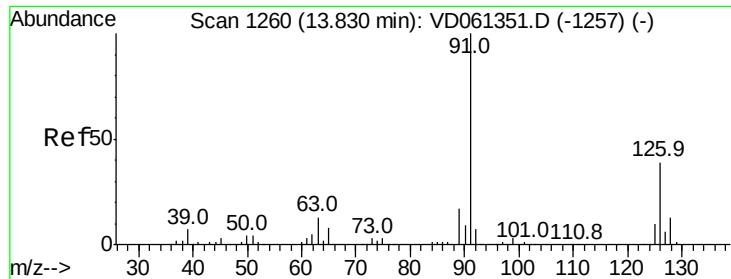
120 21.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.452 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

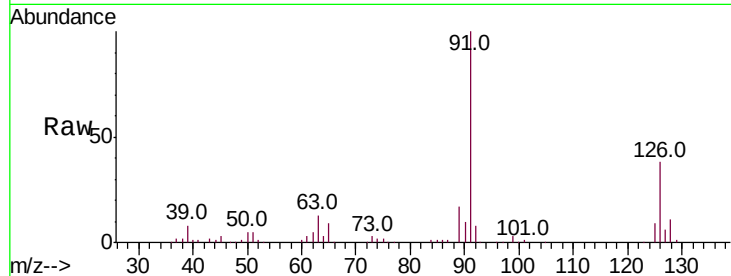
VD0402SBS03

Tot Ion: 91 Resp: 393160

Ion Ratio Lower Upper

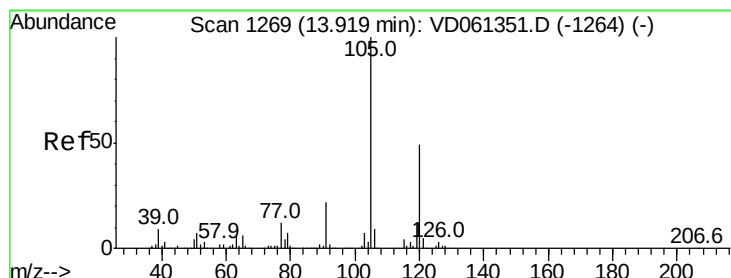
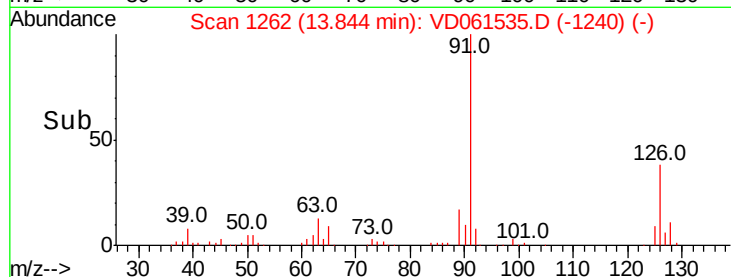
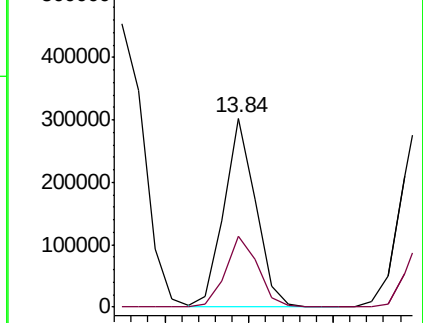
91 100

126 37.6 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.814 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD061535.D

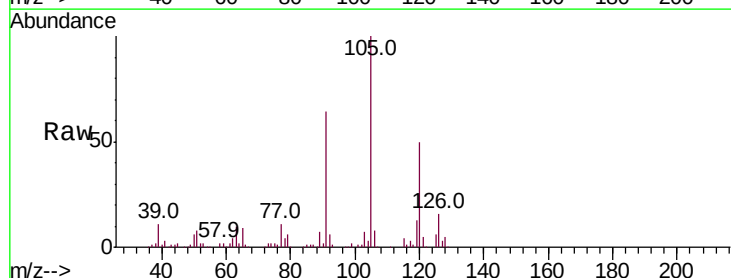
Acq: 3 Apr 2019 3:39

Tgt Ion:105 Resp: 486920

Ion Ratio Lower Upper

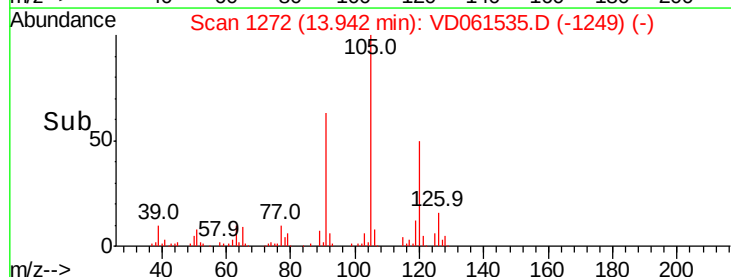
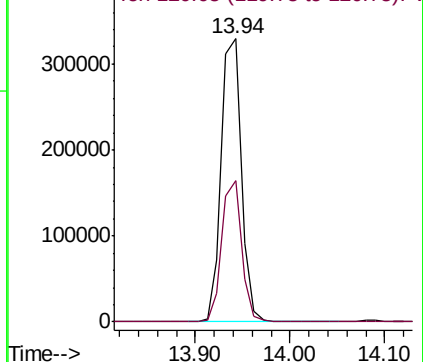
105 100

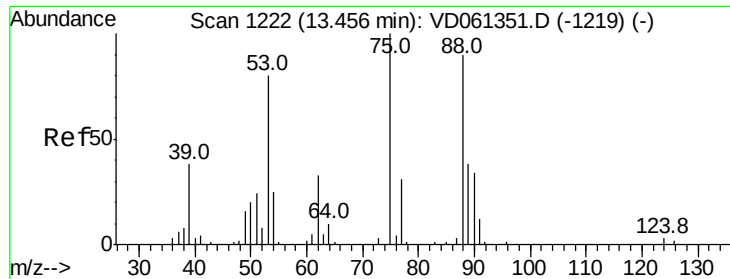
120 50.1 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.126 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

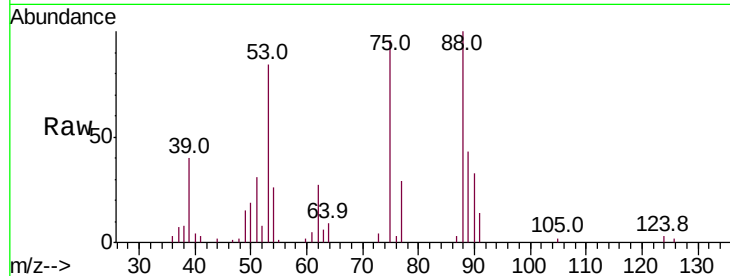
Tot Ion: 75 Resp: 33564

Ion Ratio Lower Upper

75 100

53 87.3 63.8 95.8

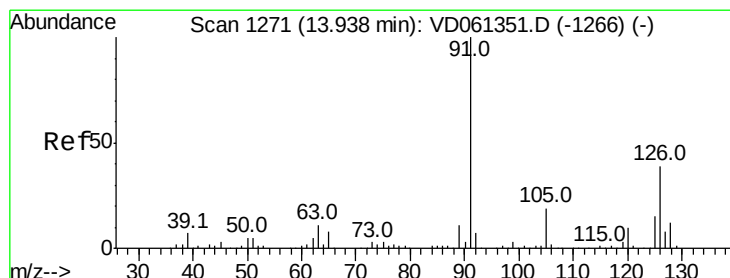
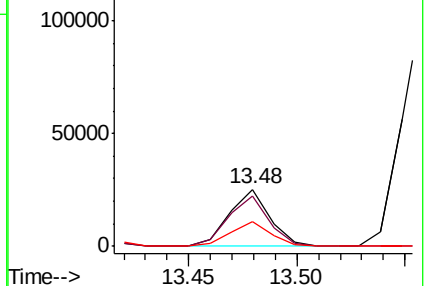
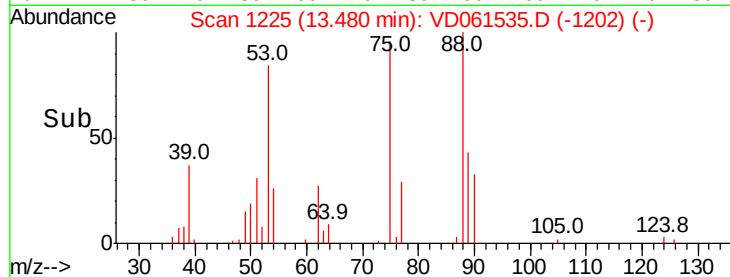
89 44.4 30.5 45.7



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: 24.423 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061535.D

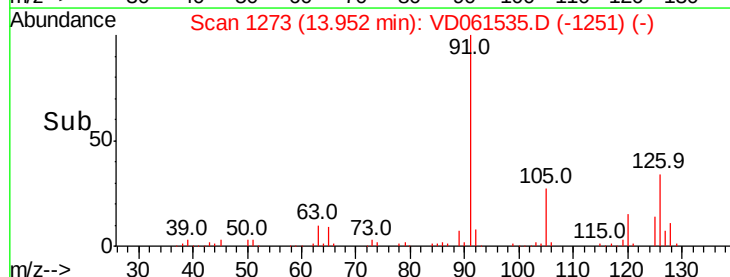
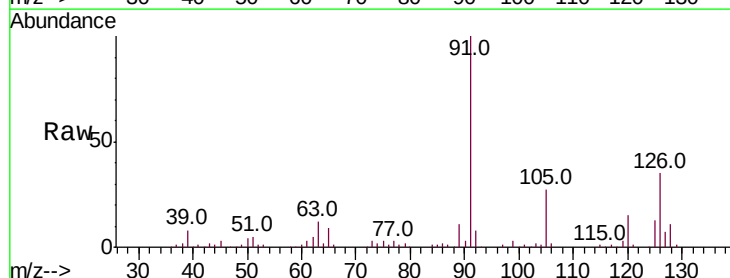
Acq: 3 Apr 2019 3:39

Tgt Ion: 91 Resp: 465023

Ion Ratio Lower Upper

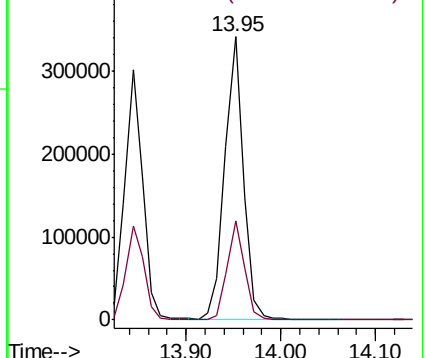
91 100

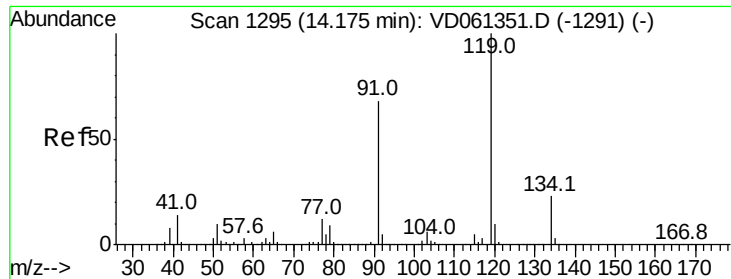
126 35.1 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 20.293 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.02 min

Lab File: VD061535.D

Acq: 3 Apr 2019 3:39

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS03

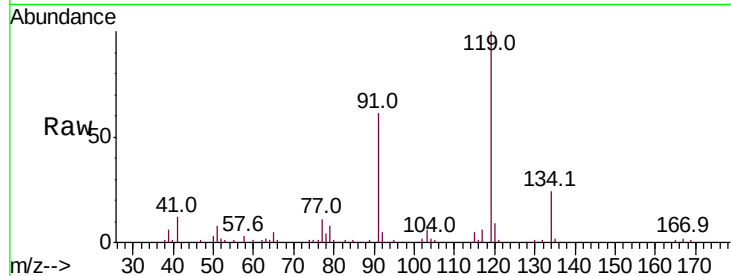
Tot Ion:119 Resp: 518553

Ion Ratio Lower Upper

119 100

91 60.8 34.1 102.3

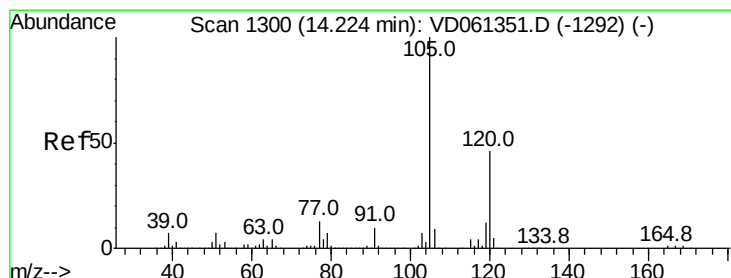
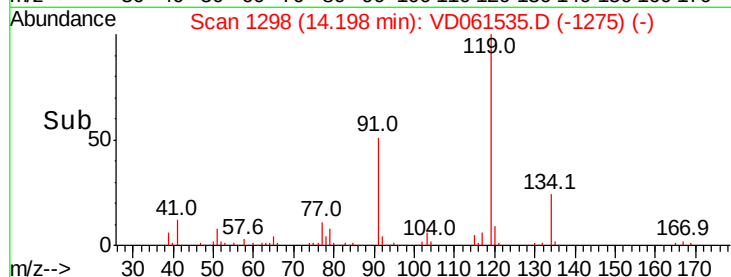
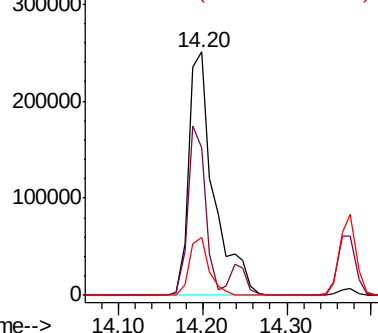
134 23.6 11.6 34.8



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: 21.635 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061535.D

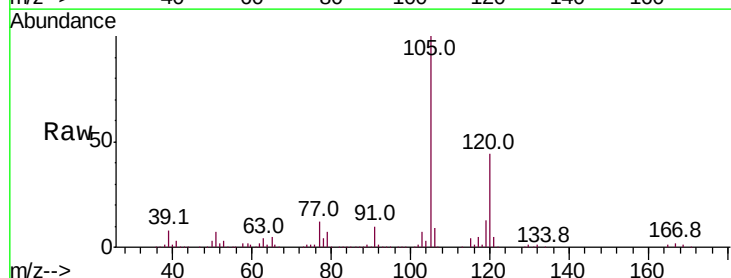
Acq: 3 Apr 2019 3:39

Tgt Ion:105 Resp: 478911

Ion Ratio Lower Upper

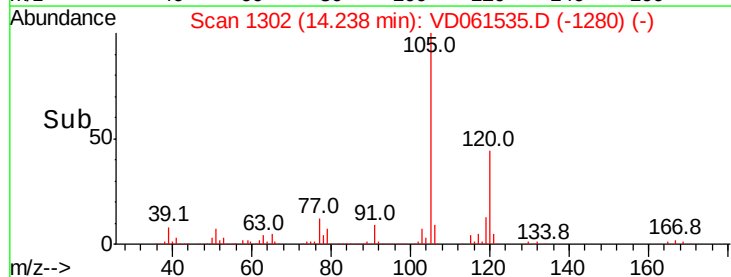
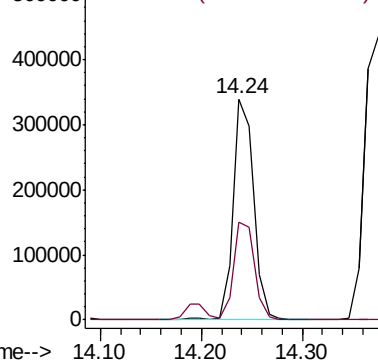
105 100

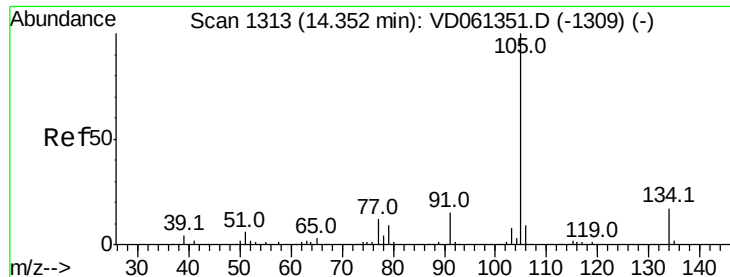
120 44.0 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

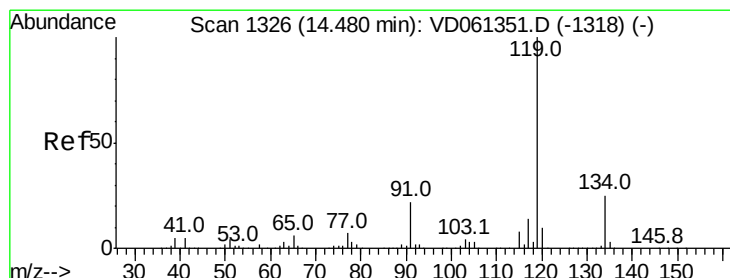
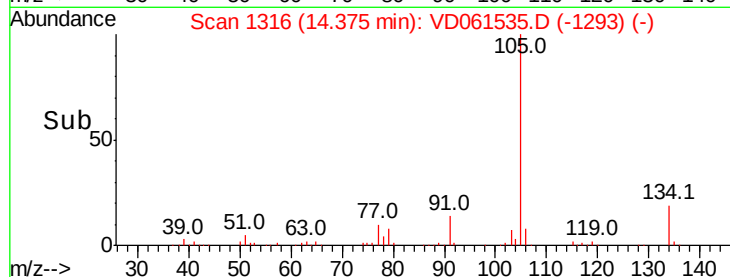
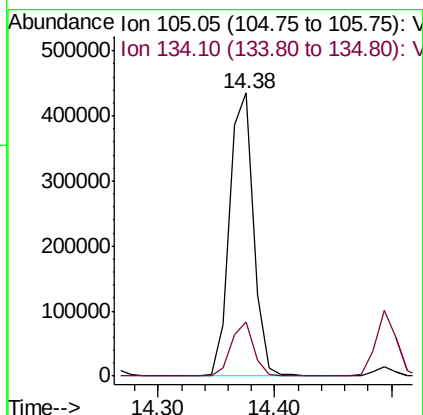
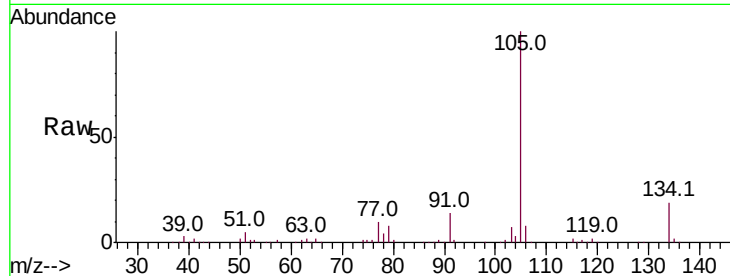




#85
 sec-Butylbenzene
 Concen: 22.768 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

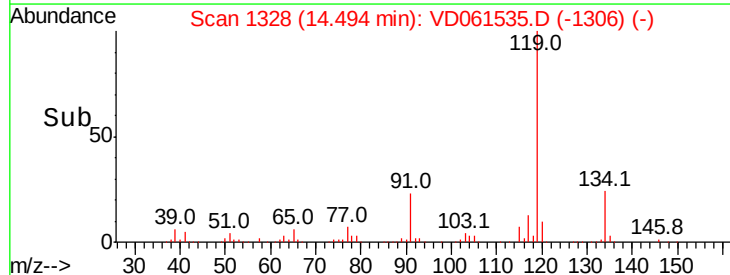
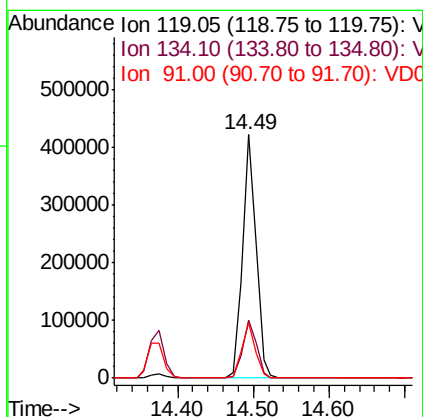
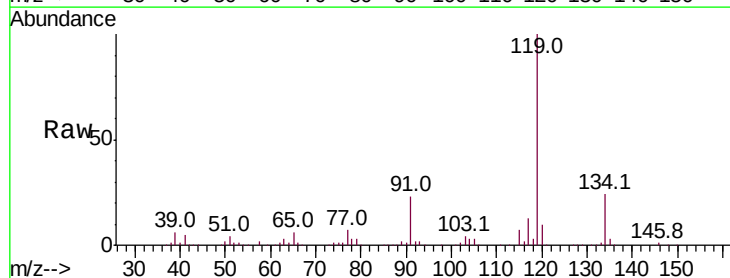
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0402SBS03

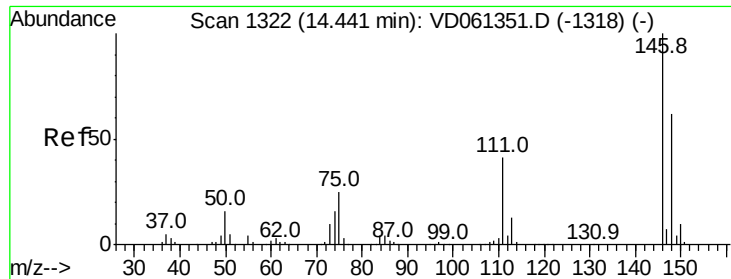
Tot Ion:105 Resp: 618066
 Ion Ratio Lower Upper
 105 100
 134 19.3 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 22.418 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion:119 Resp: 514593
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.3 36.8
 91 22.8 11.1 33.1

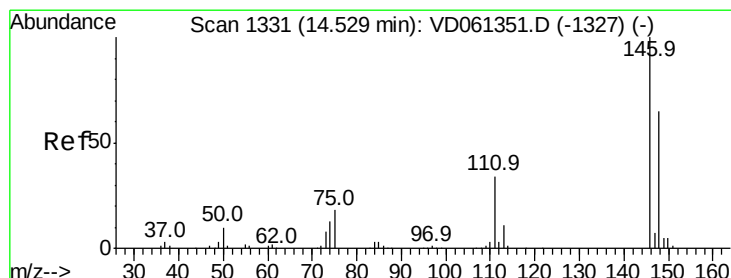
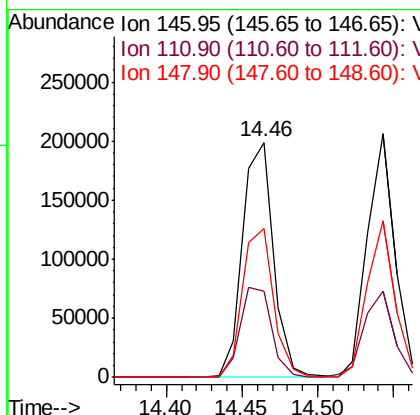
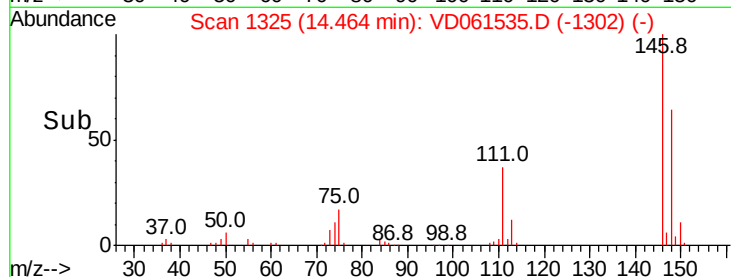
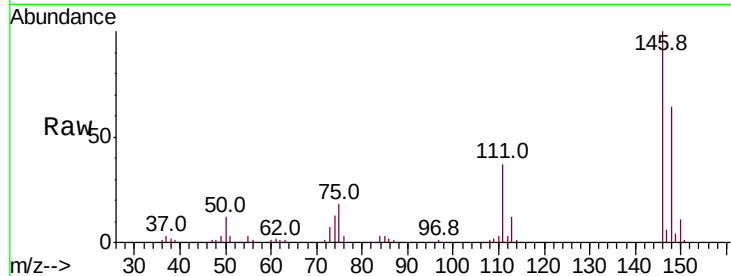




#87
 1,3-Dichlorobenzene
 Concen: 21.415 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

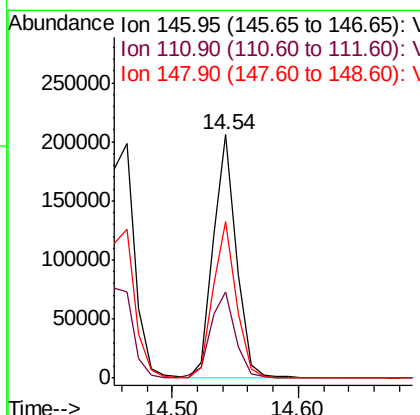
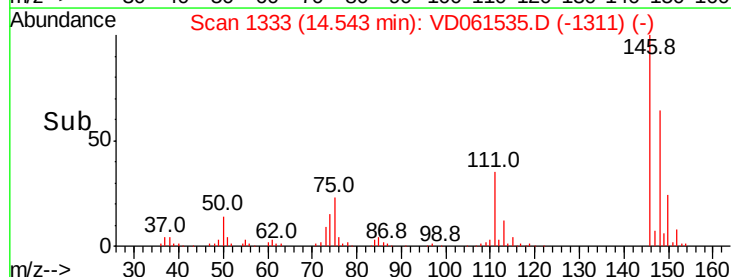
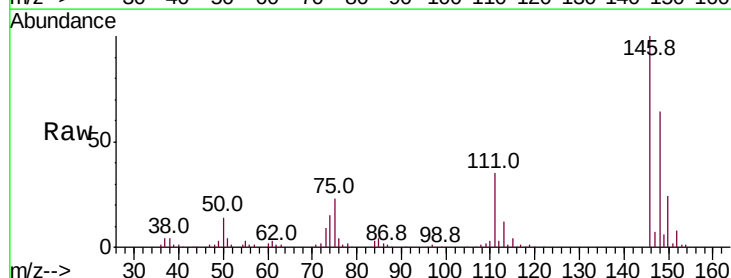
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

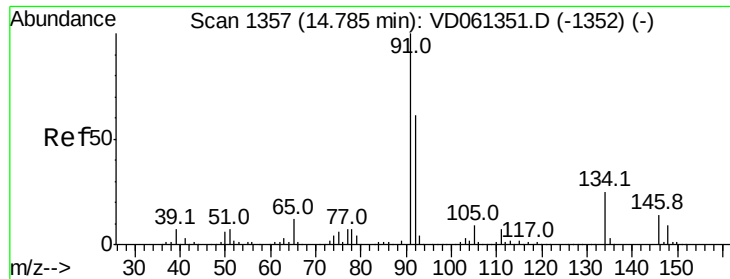
Tot Ion:146 Resp: 283318
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.6 61.9
 148 63.5 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion:146 Resp: 264677
 Ion Ratio Lower Upper
 146 100
 111 35.4 16.8 50.4
 148 64.4 32.6 98.0

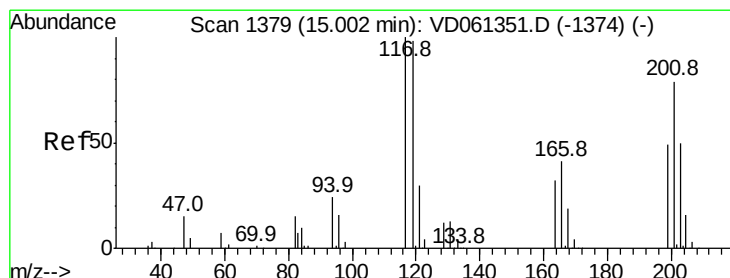
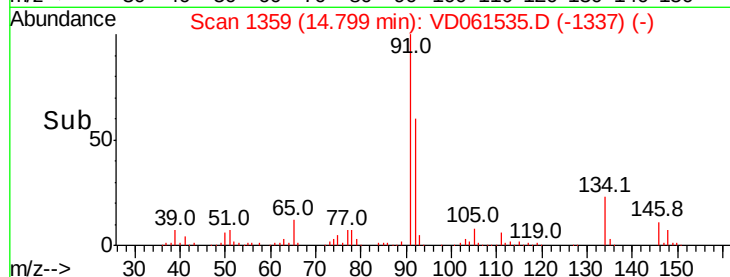
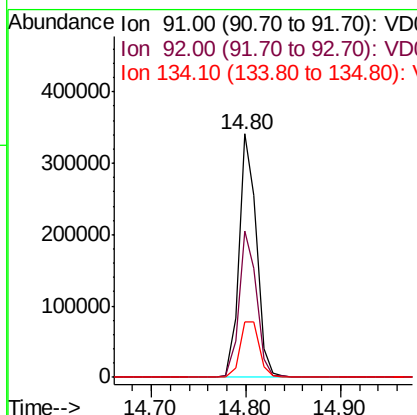
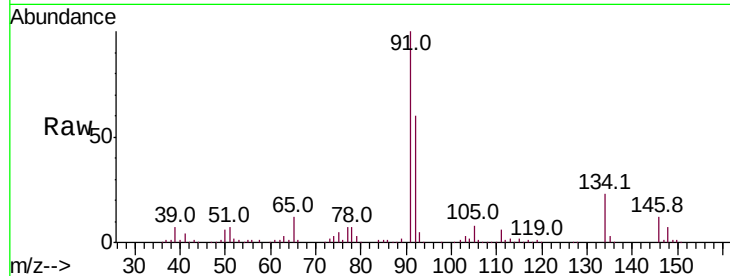




#89
n-Butylbenzene
Concen: 20.593 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

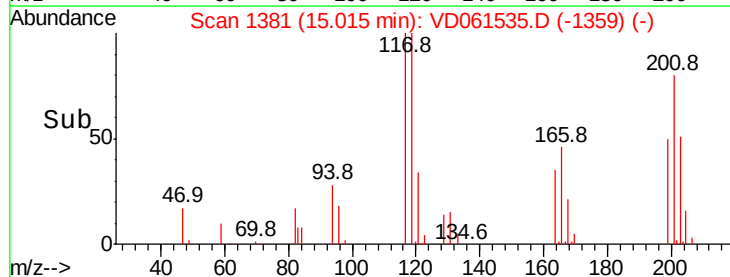
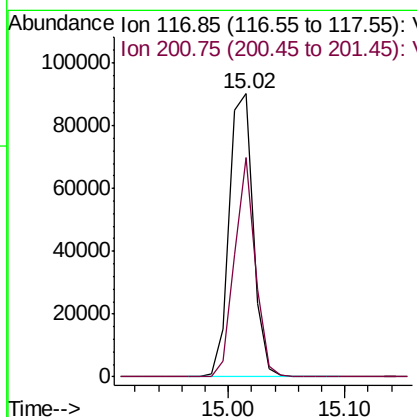
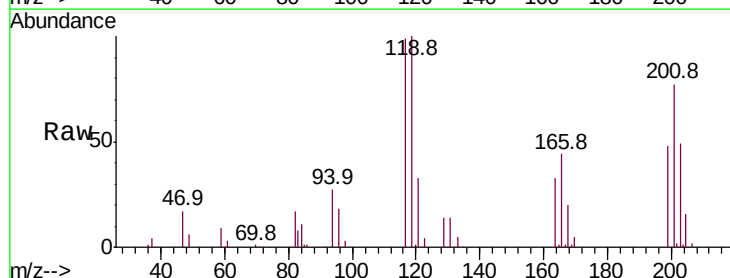
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

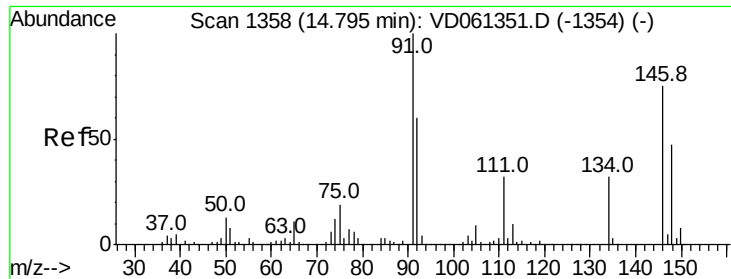
Tot Ion: 91 Resp: 433870
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 22.6 12.4 37.0



#90
Hexachloroethane
Concen: 19.935 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion: 117 Resp: 129274
Ion Ratio Lower Upper
117 100
201 77.7 39.6 119.0

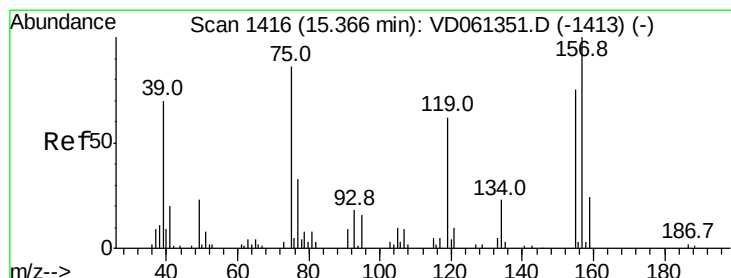
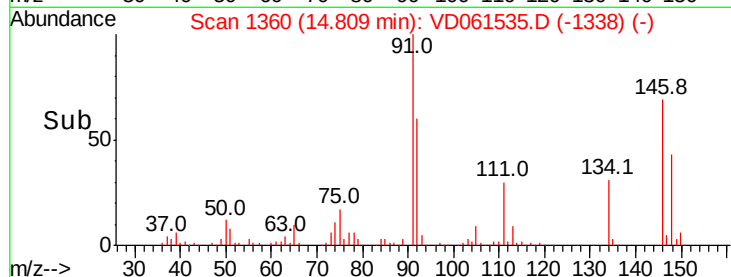
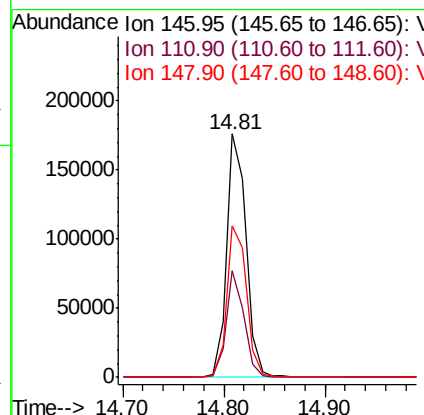
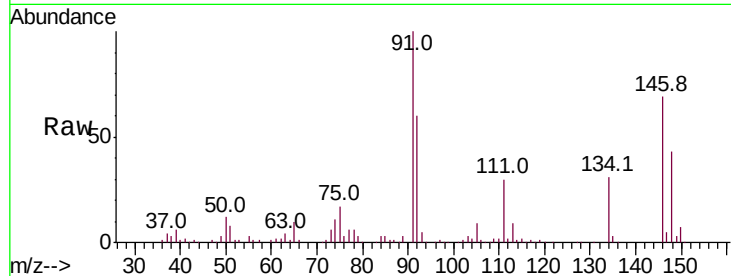




#91
 1,2-Dichlorobenzene
 Concen: 21.769 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

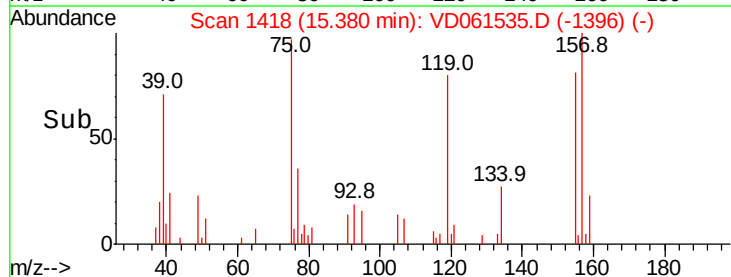
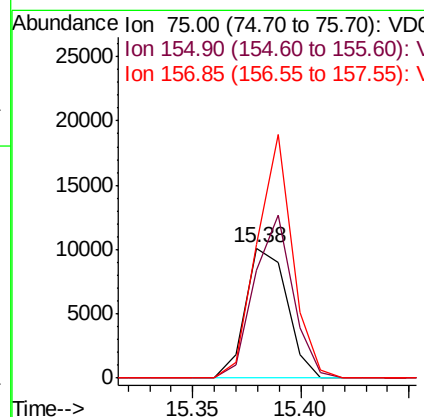
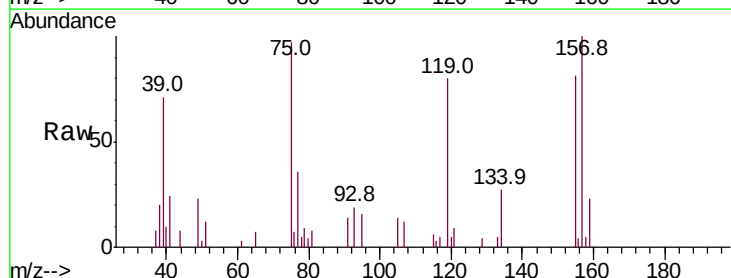
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

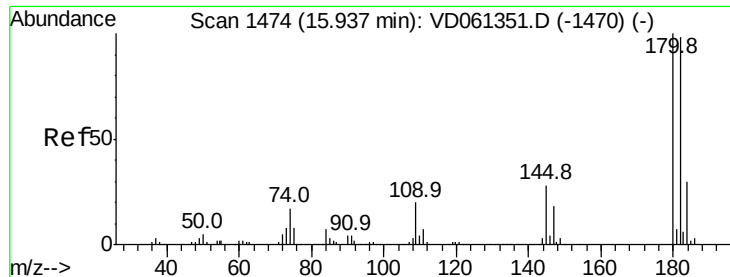
Tot Ion:146 Resp: 236225
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.2 63.6
 148 62.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.617 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion: 75 Resp: 13442
 Ion Ratio Lower Upper
 75 100
 155 83.5 43.6 130.9
 157 103.1 58.5 175.3

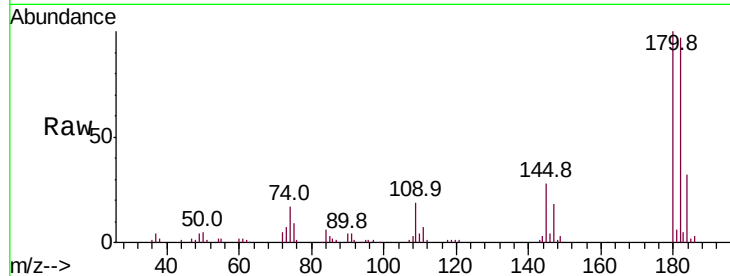




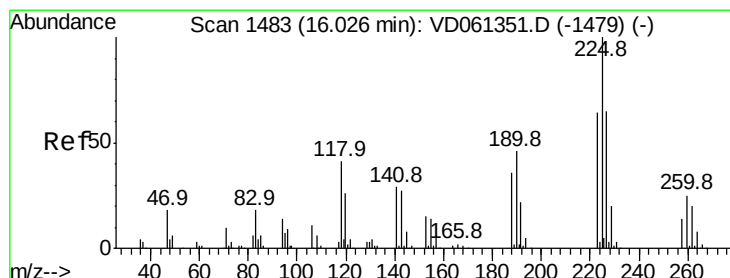
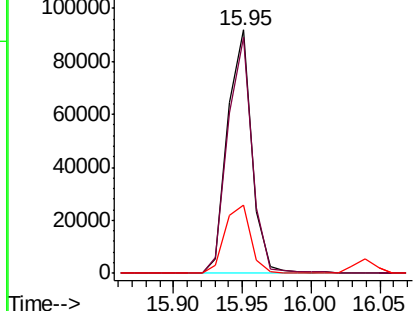
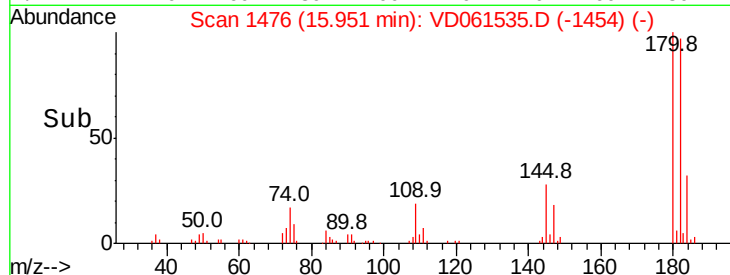
#93
 1,2,4-Trichlorobenzene
 Concen: 22.833 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

Tot Ion:180 Resp: 112871
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.9 146.8
 145 28.2 14.1 42.3

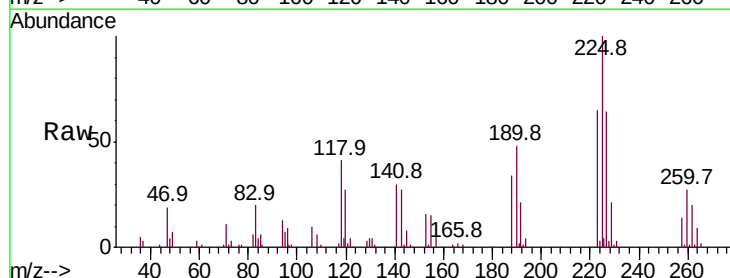


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

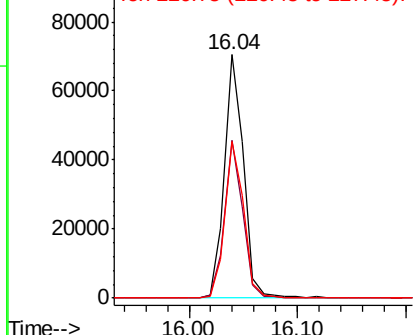
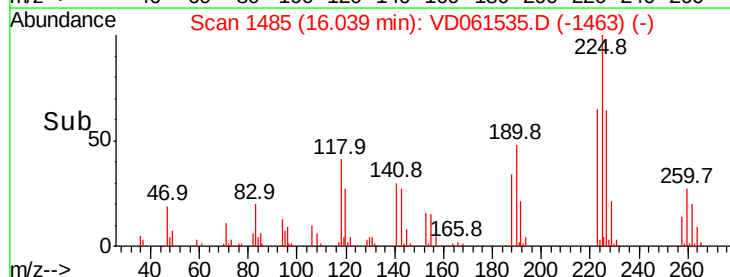


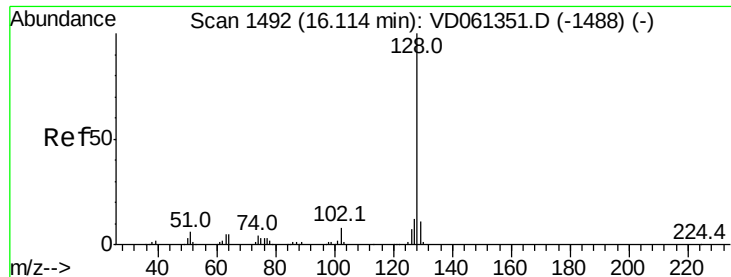
#94
 Hexachlorobutadiene
 Concen: 22.316 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061535.D
 Acq: 3 Apr 2019 3:39

Tgt Ion:225 Resp: 86202
 Ion Ratio Lower Upper
 225 100
 223 64.8 32.0 96.0
 227 64.4 32.4 97.2



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

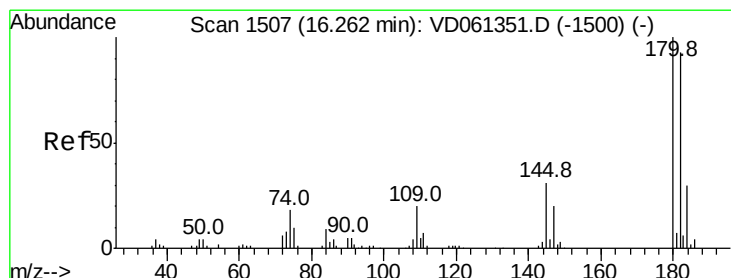
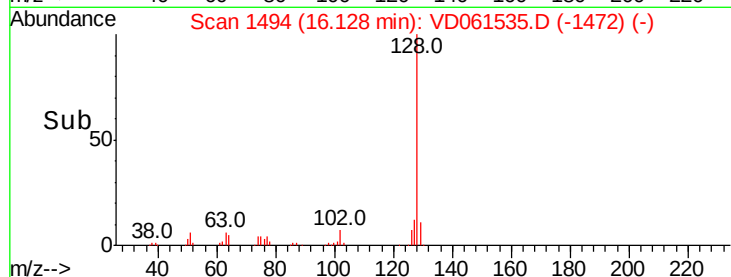
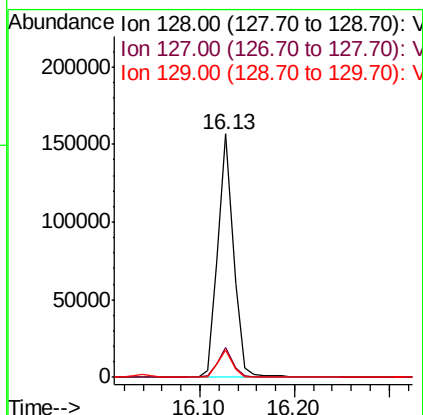
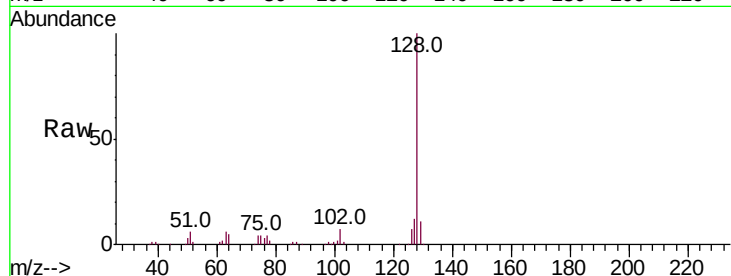




#95
Naphthalene
Concen: 24.088 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS03

Tot Ion:128 Resp: 181503
Ion Ratio Lower Upper
128 100
127 12.1 9.9 14.9
129 11.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 25.218 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061535.D
Acq: 3 Apr 2019 3:39

Tgt Ion:180 Resp: 54855
Ion Ratio Lower Upper
180 100
182 99.5 46.4 139.1
145 32.2 15.3 45.9

