

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061912.D
 Acq On : 19 Apr 2019 16:12
 Operator : VA/AP
 Sample : VD0419SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Quant Time: Apr 19 16:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	492197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	787760	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	694394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	322294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	243134	58.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.88%	
35) Dibromofluoromethane	6.94	113	347163	58.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.66%	
50) Toluene-d8	10.42	98	841183	59.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.30%	
62) 4-Bromofluorobenzene	13.56	95	297292	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	95547	19.889	ug/l	94
3) Chloromethane	1.76	50	77111	20.141	ug/l	95
4) Vinyl Chloride	1.85	62	81761	21.518	ug/l	98
5) Bromomethane	2.15	94	20150	21.605	ug/l	93
6) Chloroethane	2.25	64	26389	20.358	ug/l	92
7) Trichlorofluoromethane	2.53	101	115639	18.765	ug/l	99
8) Diethyl Ether	2.88	74	31209	19.324	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	101026	18.386	ug/l	97
10) Methyl Iodide	3.31	142	104570	14.597	ug/l	99
11) Tert butyl alcohol	4.06	59	25113	103.233	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	83259	18.024	ug/l	95
13) Acrolein	3.04	56	19059	80.929	ug/l	100
14) Allyl chloride	3.63	41	117895	18.724	ug/l	95
15) Acrylonitrile	4.20	53	89431	117.101	ug/l	97
16) Acetone	3.23	43	91269	89.772	ug/l	93
17) Carbon Disulfide	3.38	76	244910	16.409	ug/l	99
18) Methyl Acetate	3.65	43	42122	20.671	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	205655	23.856	ug/l	96
20) Methylene Chloride	3.83	84	130422	23.364	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	111445	21.953	ug/l	98
22) Diisopropyl ether	5.13	45	298586	22.184	ug/l	96
23) Vinyl Acetate	5.07	43	859074	119.401	ug/l	99
24) 1,1-Dichloroethane	5.00	63	185429	22.723	ug/l	98
25) 2-Butanone	6.08	43	131899	113.956	ug/l	99
26) 2,2-Dichloropropane	6.03	77	155448	22.039	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	120050	21.814	ug/l	97
28) Bromochloromethane	6.45	49	71655	23.117	ug/l	94
29) Tetrahydrofuran	6.46	42	68717	121.879	ug/l	97
30) Chloroform	6.67	83	205821	22.613	ug/l	97
31) Cyclohexane	6.96	56	133766	21.413	ug/l	100
32) 1,1,1-Trichloroethane	6.89	97	174501	21.628	ug/l	95
36) 1,1-Dichloropropene	7.15	75	144116	22.388	ug/l	96
37) Ethyl Acetate	6.19	43	62634	22.734	ug/l	96
38) Carbon Tetrachloride	7.12	117	178474	21.957	ug/l	97

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0419SBS01

Quant Time: Apr 19 16:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	144668	21.642	ug/l	98
40) Benzene	7.47	78	334384	21.637	ug/l	96
41) Methacrylonitrile	6.45	41	76940	23.627	ug/l	96
42) 1,2-Dichloroethane	7.59	62	129842	24.123	ug/l	100
43) Isopropyl Acetate	9.25	43	91062	23.487	ug/l	99
44) Trichloroethene	8.55	130	127766	21.476	ug/l	99
45) 1,2-Dichloropropane	8.94	63	84829	21.073	ug/l	95
46) Dibromomethane	9.07	93	66794	23.287	ug/l	87
47) Bromodichloromethane	9.39	83	152348	23.023	ug/l	98
48) Methyl methacrylate	9.13	41	52891	23.208	ug/l	94
49) 1,4-Dioxane	9.08	88	10451	419.555	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	289370	122.047	ug/l	98
52) Toluene	10.52	92	210693	21.274	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	136902	22.960	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	144053	20.581	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	80531	24.132	ug/l	98
56) Ethyl methacrylate	11.05	69	81100	22.142	ug/l	99
57) 1,3-Dichloropropane	11.42	76	120639	24.046	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	228740	131.299	ug/l	99
59) 2-Hexanone	11.54	43	212799	120.841	ug/l	99
60) Dibromochloromethane	11.69	129	130593	23.916	ug/l	98
61) 1,2-Dibromoethane	11.81	107	99136	24.159	ug/l	95
64) Tetrachloroethene	11.27	164	107627	20.667	ug/l	96
65) Chlorobenzene	12.41	112	266115	20.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	122074	22.525	ug/l	99
67) Ethyl Benzene	12.53	91	455831	22.010	ug/l	99
68) m/p-Xylenes	12.68	106	345571	44.422	ug/l	100
69) o-Xylene	13.06	106	154839	21.176	ug/l	97
70) Styrene	13.08	104	281030	22.335	ug/l	99
71) Bromoform	13.24	173	69509	21.608	ug/l	98
73) Isopropylbenzene	13.41	105	423546	20.264	ug/l	96
74) N-amyl acetate	13.27	43	126081	22.432	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	92021	22.272	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	90923	21.482	ug/l	98
77) Bromobenzene	13.68	156	123482	20.797	ug/l	93
78) n-propylbenzene	13.78	91	532582	22.054	ug/l	100
79) 2-Chlorotoluene	13.85	91	300859	21.327	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	369794	22.297	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	23832	19.540	ug/l	88
82) 4-Chlorotoluene	13.96	91	350208	21.688	ug/l	96
83) tert-Butylbenzene	14.19	119	429274	22.044	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	360527	21.626	ug/l	97
85) sec-Butylbenzene	14.37	105	468432	23.269	ug/l	96
86) p-Isopropyltoluene	14.50	119	367787	19.526	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	225675	21.772	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	221140	21.583	ug/l	95
89) n-Butylbenzene	14.80	91	346841	20.803	ug/l	96
90) Hexachloroethane	15.01	117	111067	21.634	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	180880	20.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14538	28.286	ug/l	75

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

Quant Time: Apr 19 16:41:08 2019
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

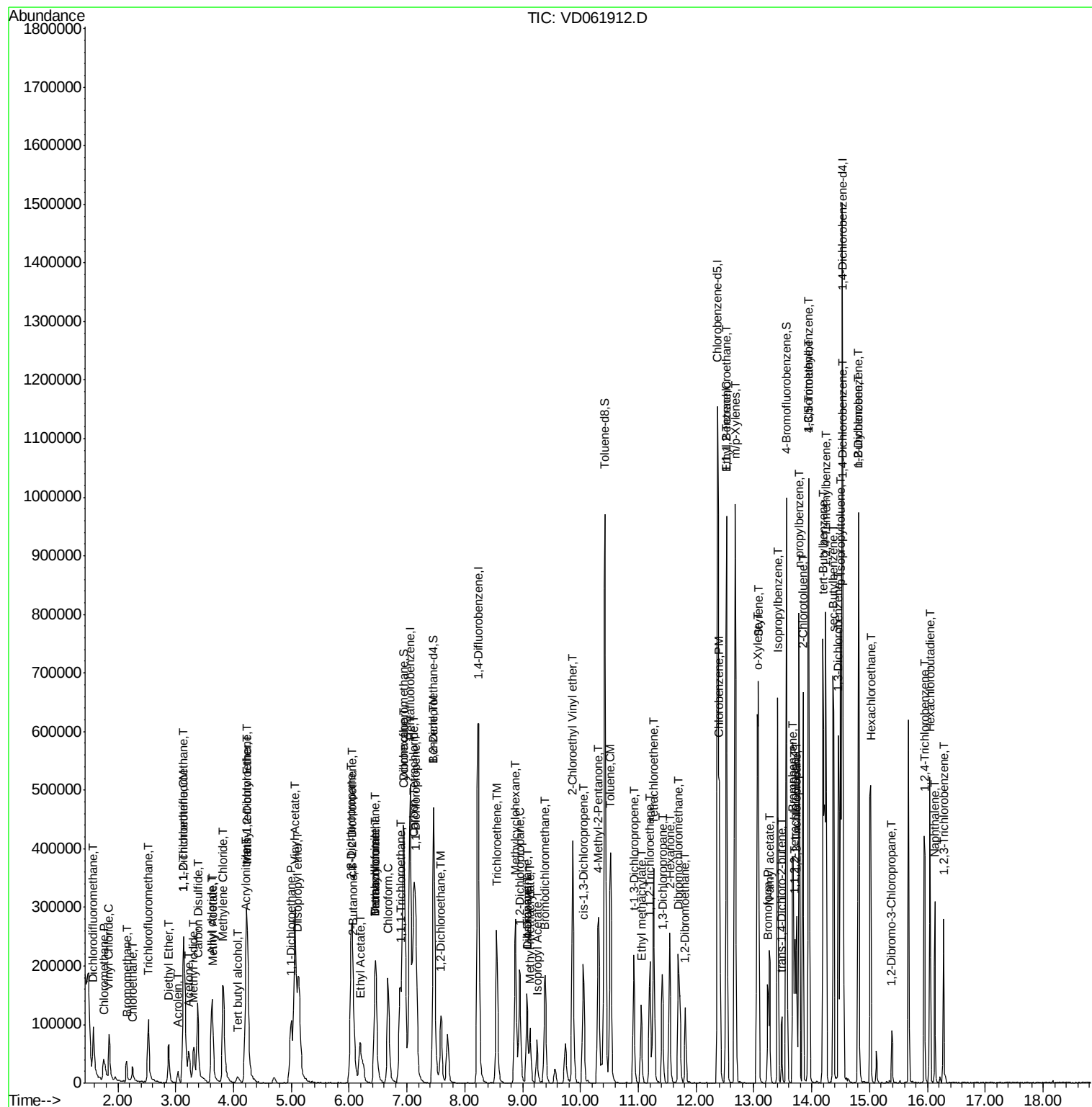
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	122120	25.609	ug/l	96
94) Hexachlorobutadiene	16.04	225	81117	23.473	ug/l	98
95) Naphthalene	16.13	128	192400	26.323	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	76549	28.169	ug/l	97

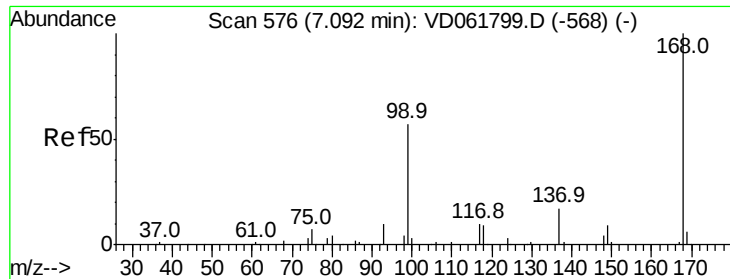
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041919\
Data File : VD061912.D
Acq On : 19 Apr 2019 16:12
Operator : VA/AP
Sample : VD0419SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

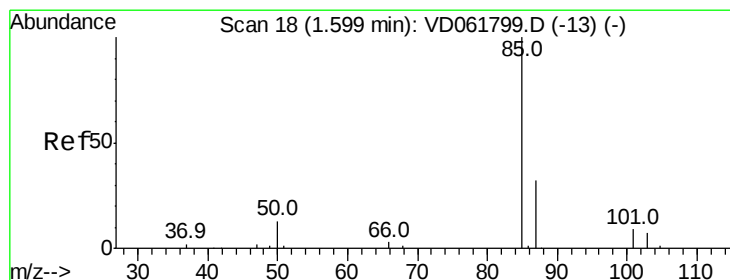
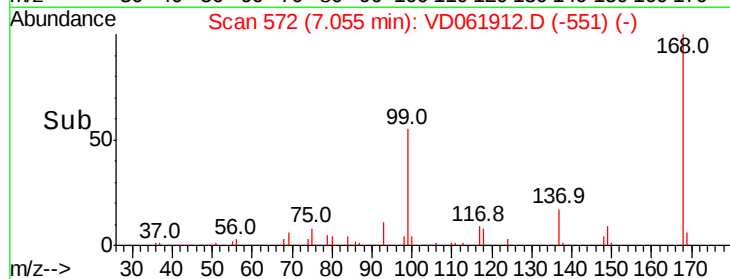
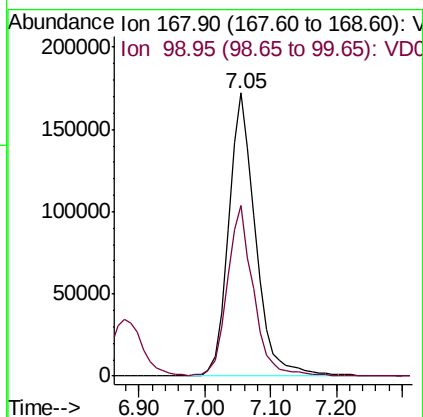
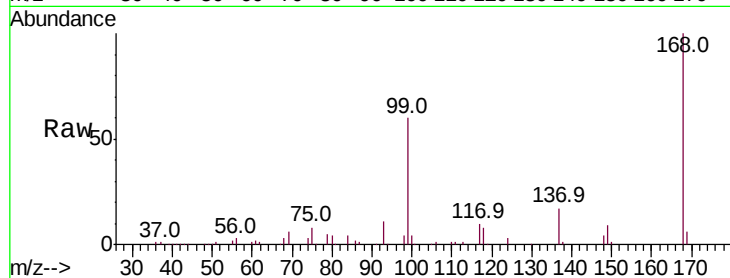




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

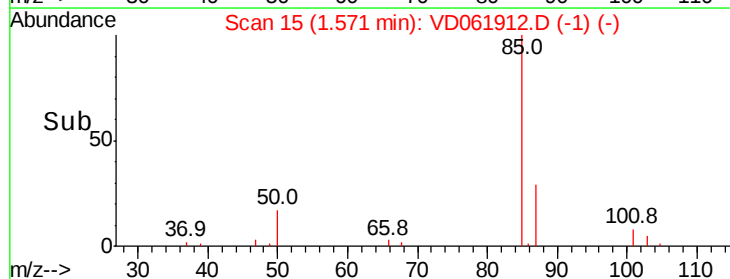
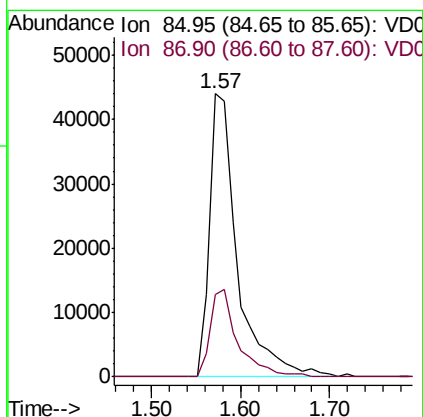
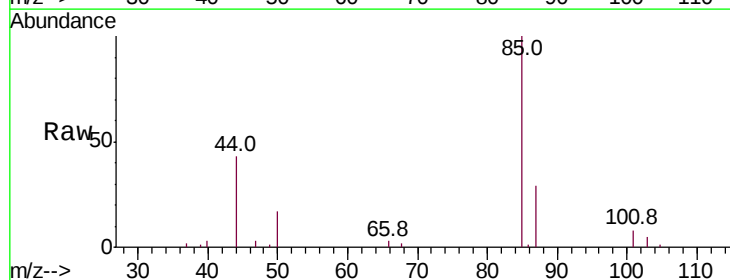
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

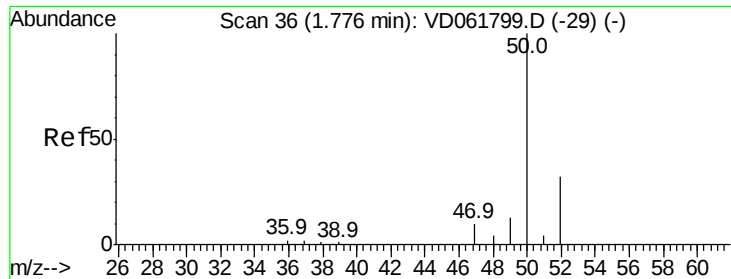
Tot Ion:168 Resp: 492197
Ion Ratio Lower Upper
168 100
99 60.4 46.5 69.7



#2
Dichlorodifluoromethane
Concen: 19.889 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 85 Resp: 95547
Ion Ratio Lower Upper
85 100
87 29.2 16.2 48.6





#3

Chloromethane

Concen: 20.141 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

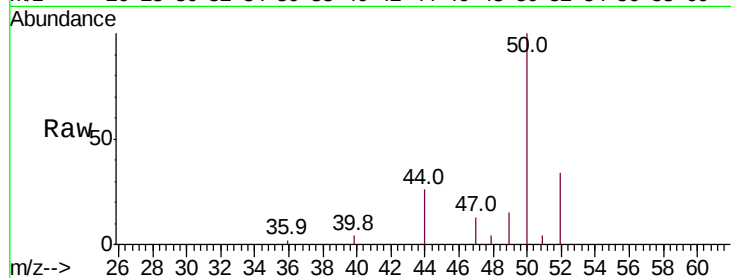
VD0419SBSD01

Tot Ion: 50 Resp: 77111

Ion Ratio Lower Upper

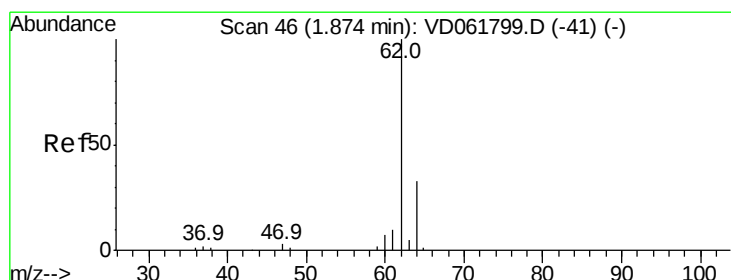
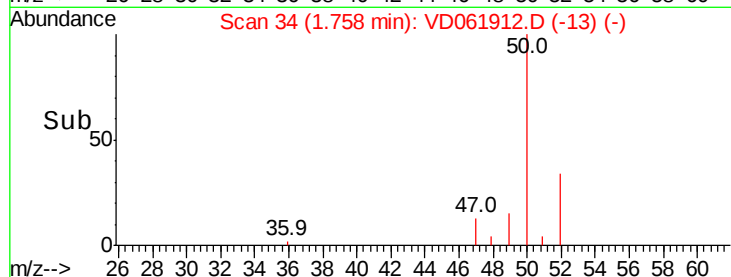
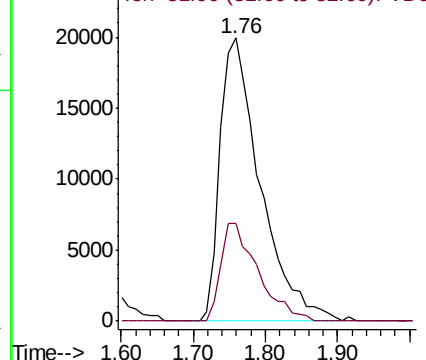
50 100

52 34.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.518 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061912.D

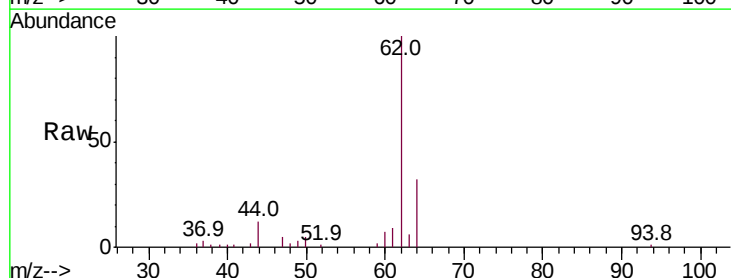
Acq: 19 Apr 2019 16:12

Tgt Ion: 62 Resp: 81761

Ion Ratio Lower Upper

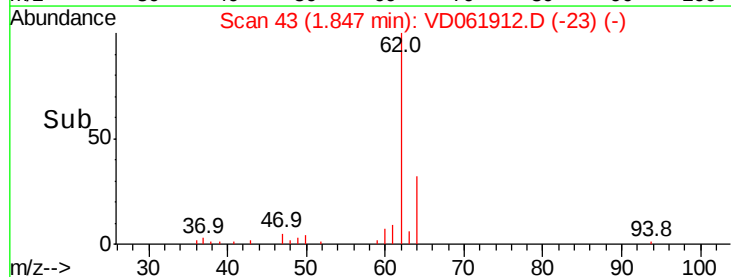
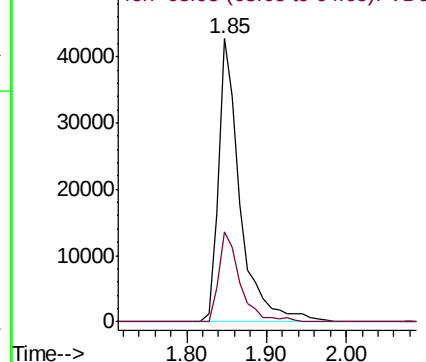
62 100

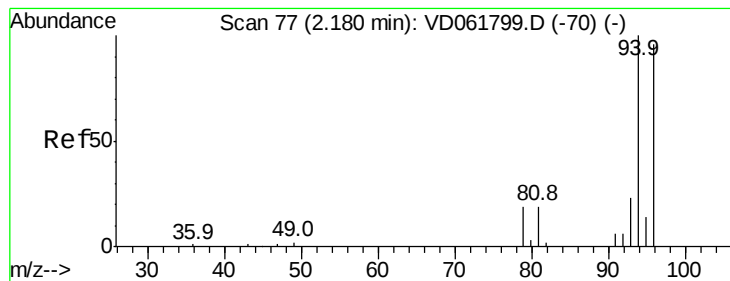
64 31.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.605 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

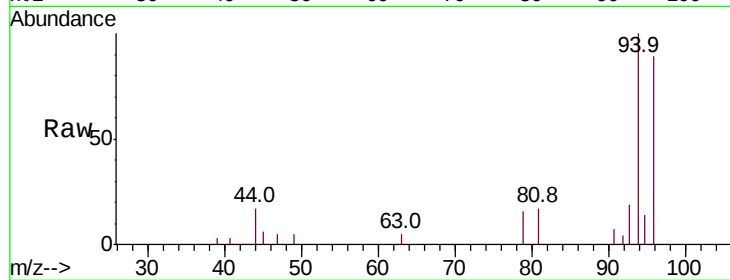
Tot Ion: 94 Resp: 20150

Ion Ratio Lower Upper

94 100

96 89.4 76.6 115.0

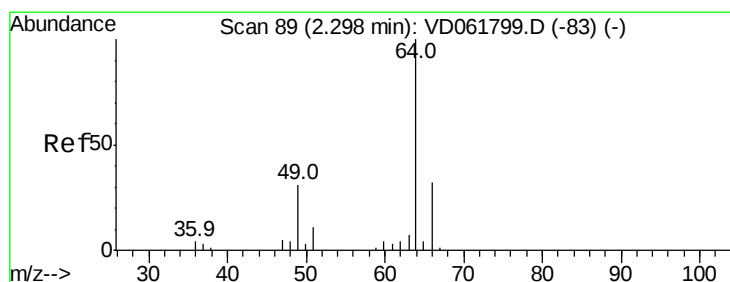
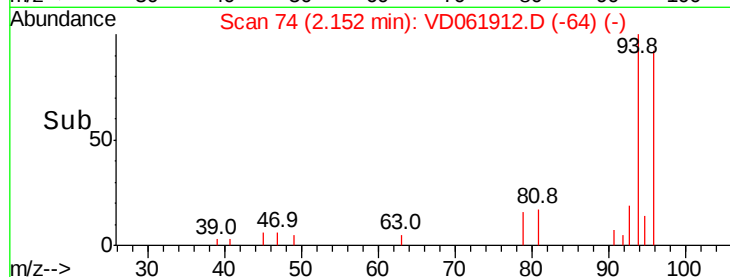
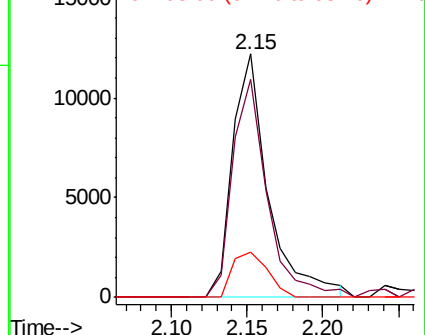
93 18.7 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.358 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD061912.D

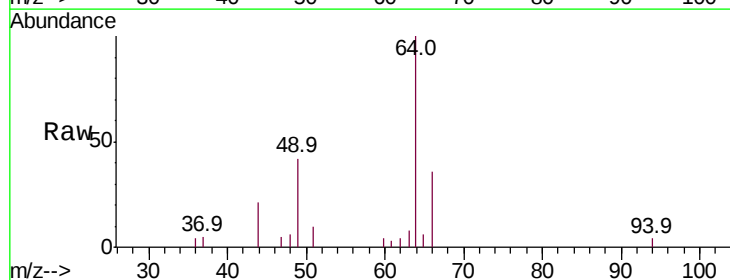
Acq: 19 Apr 2019 16:12

Tgt Ion: 64 Resp: 26389

Ion Ratio Lower Upper

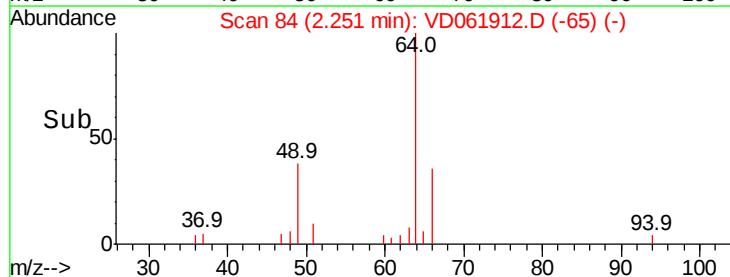
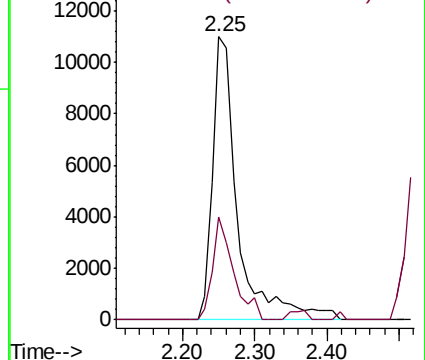
64 100

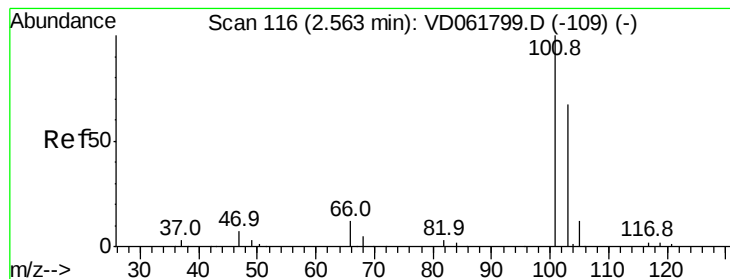
66 36.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



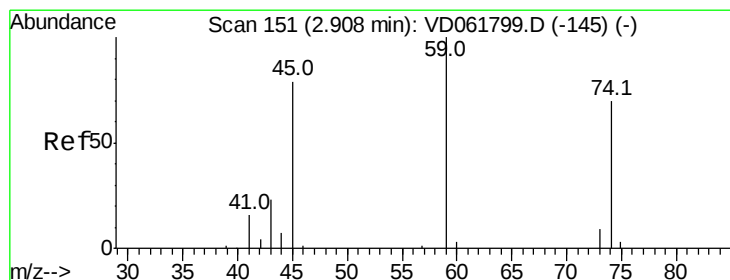
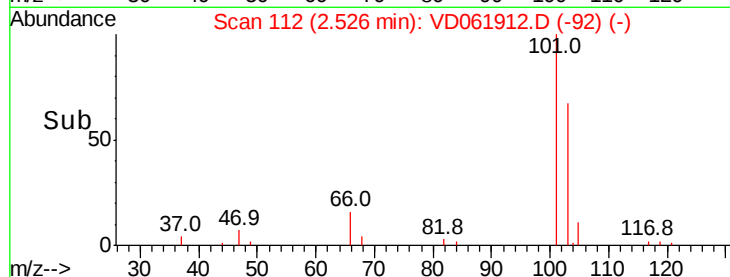
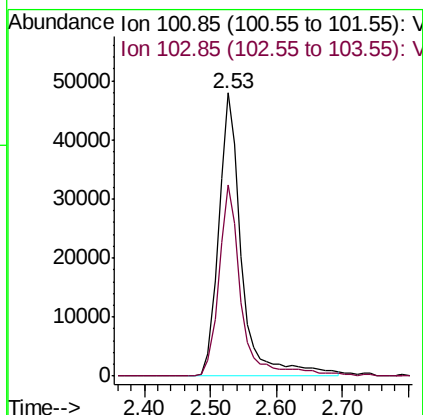
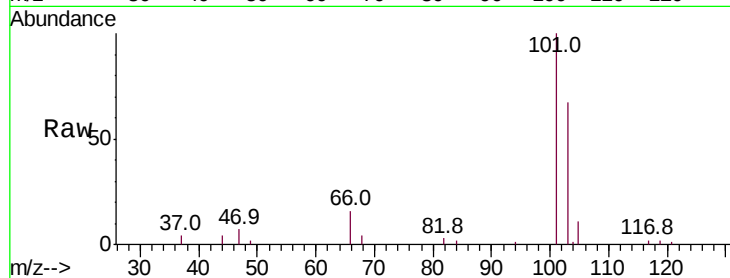


#7

Trichlorofluoromethane
 Concen: 18.765 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

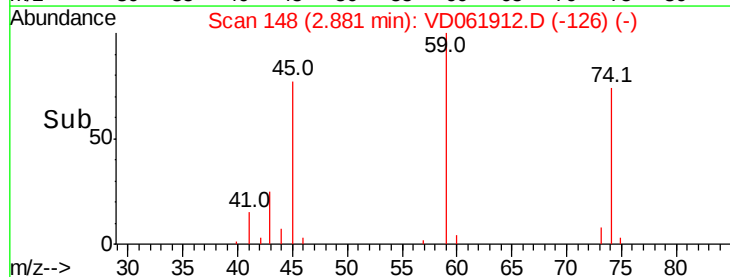
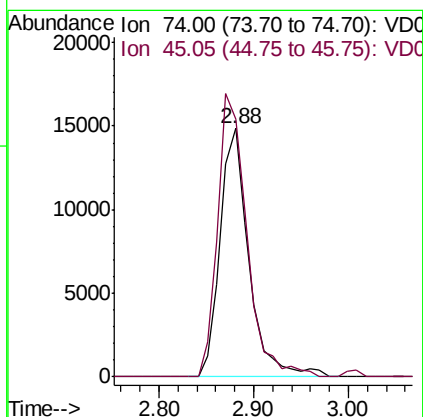
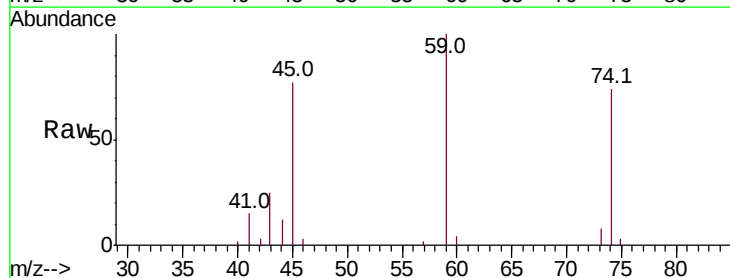
Tot Ion:101 Resp: 115639
 Ion Ratio Lower Upper
 101 100
 103 67.5 53.6 80.4

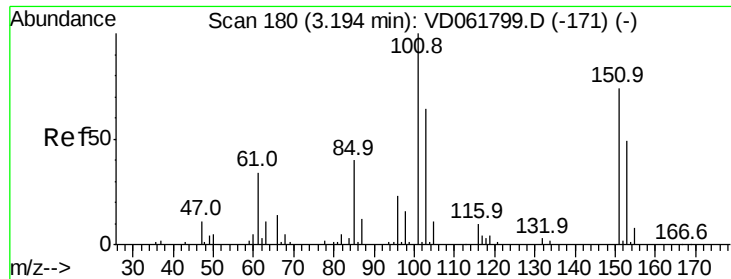


#8

Diethyl Ether
 Concen: 19.324 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 74 Resp: 31209
 Ion Ratio Lower Upper
 74 100
 45 103.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.386 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBSD01

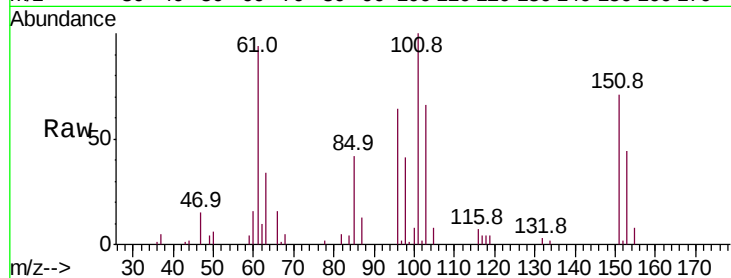
Tot Ion:101 Resp: 101026

Ion Ratio Lower Upper

101 100

85 41.7 32.4 48.6

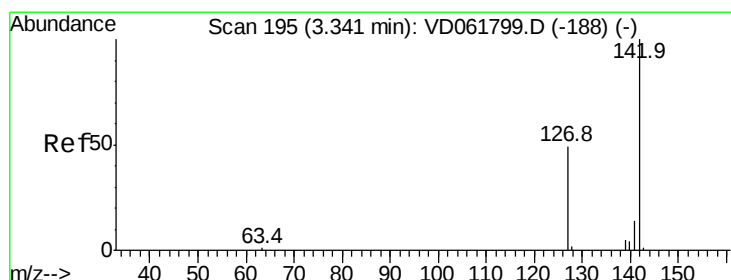
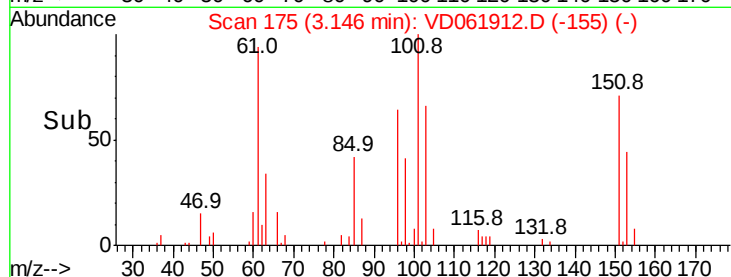
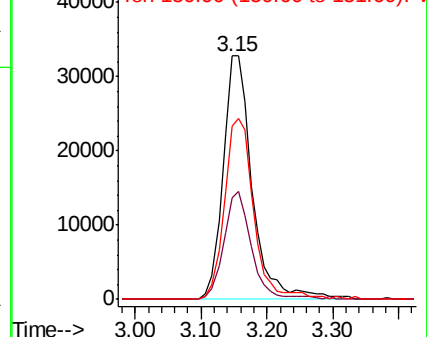
151 71.2 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 14.597 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

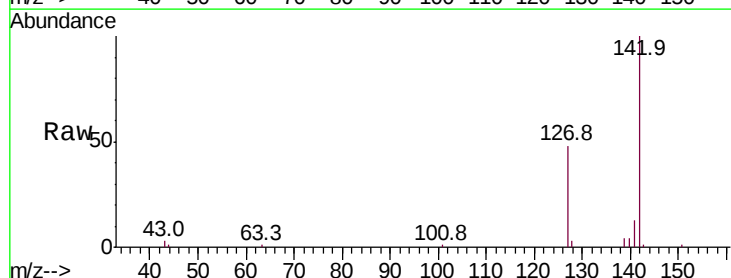
Tgt Ion:142 Resp: 104570

Ion Ratio Lower Upper

142 100

127 48.0 38.8 58.2

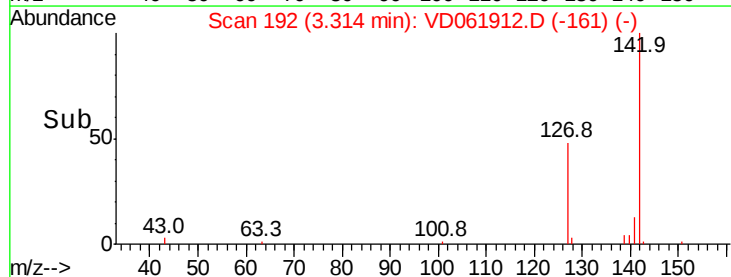
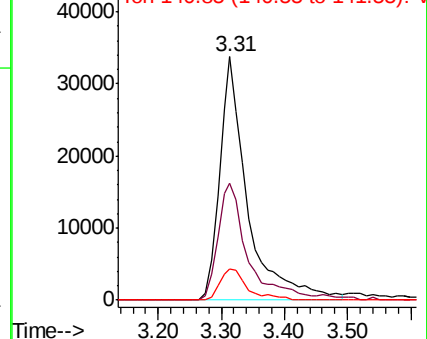
141 12.9 11.4 17.0

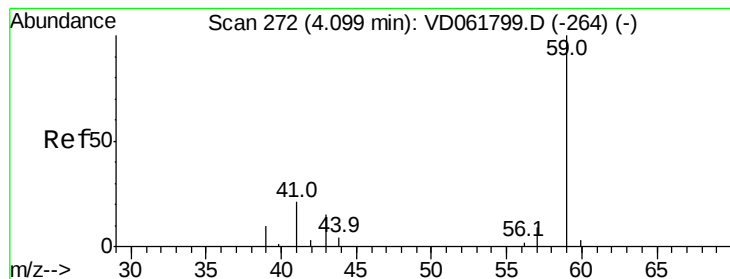


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



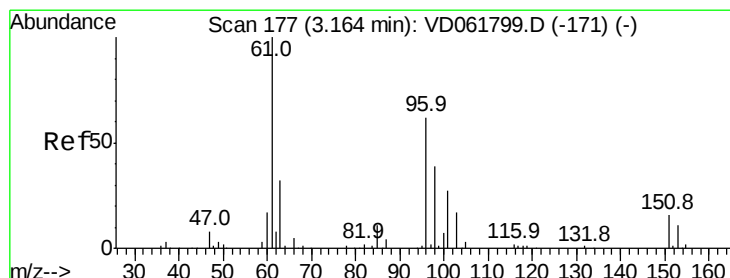
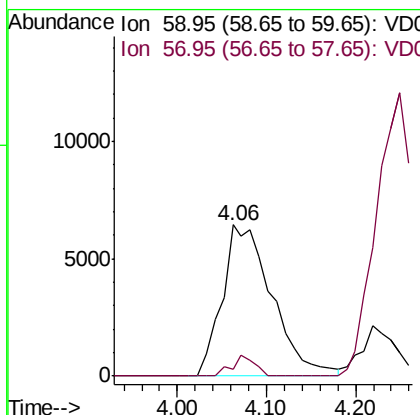
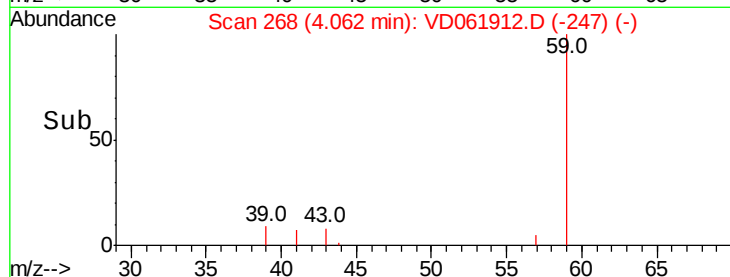
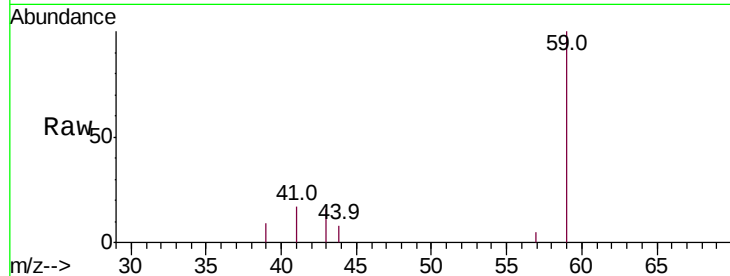


#11

Tert butyl alcohol
 Concen: 103.233 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

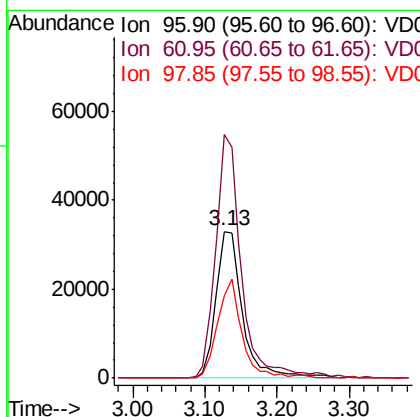
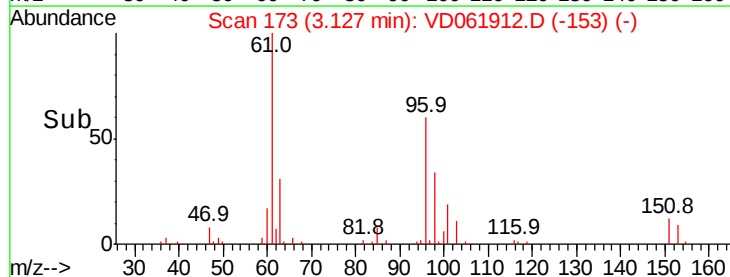
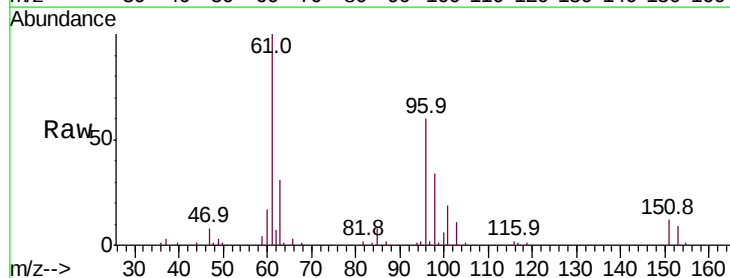
Tot Ion: 59 Resp: 25113
 Ion Ratio Lower Upper
 59 100
 57 4.9 6.9 10.3#

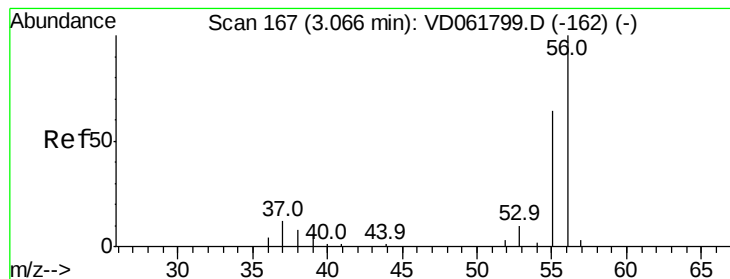


#12

1,1-Dichloroethene
 Concen: 18.024 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 96 Resp: 83259
 Ion Ratio Lower Upper
 96 100
 61 165.7 129.8 194.8
 98 56.4 51.2 76.8





#13

Acrolein

Concen: 80.929 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

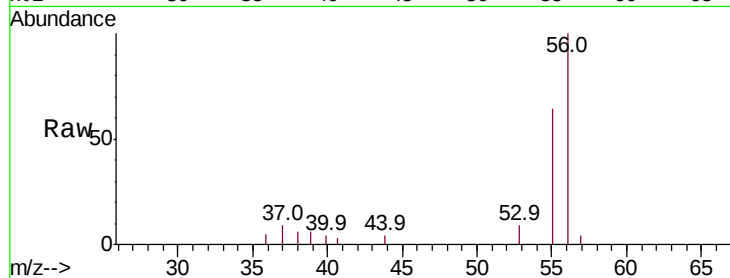
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

Tot Ion: 56 Resp: 19059

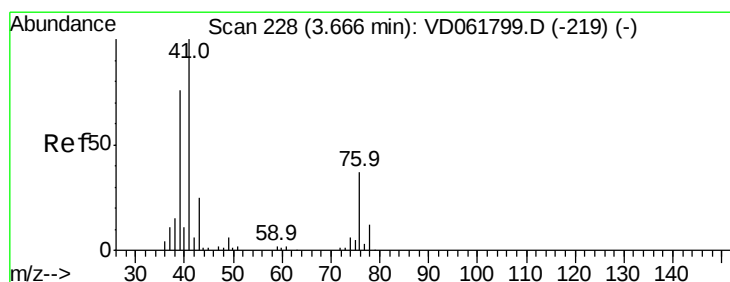
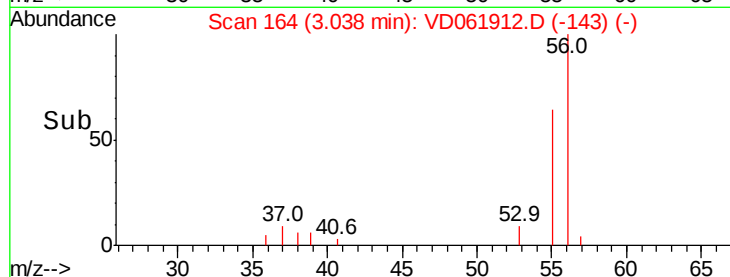
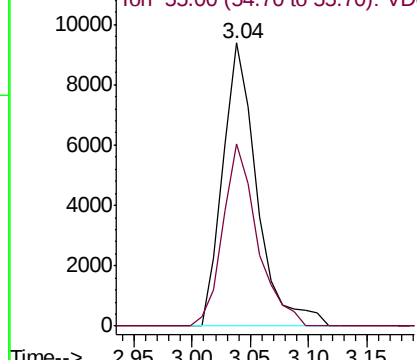
Ion Ratio Lower Upper

56 100

55 64.5 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.724 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

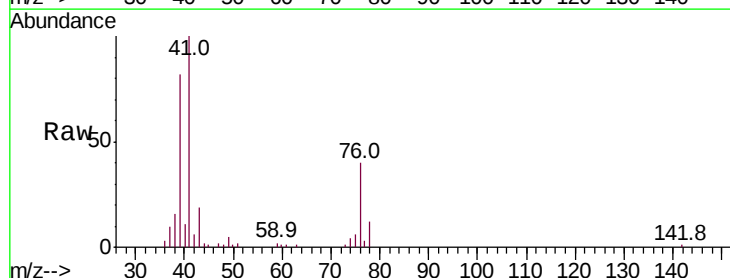
Tgt Ion: 41 Resp: 117895

Ion Ratio Lower Upper

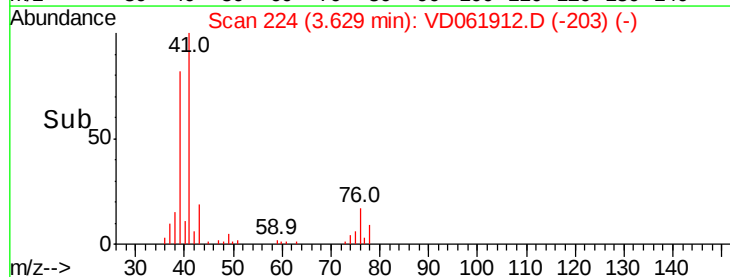
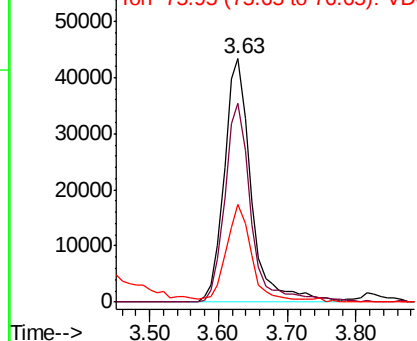
41 100

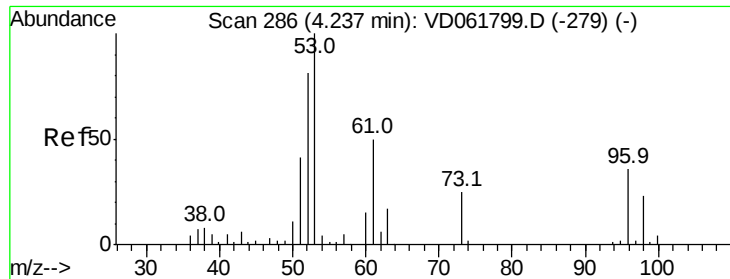
39 81.8 60.5 90.7

76 40.2 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 117.101 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

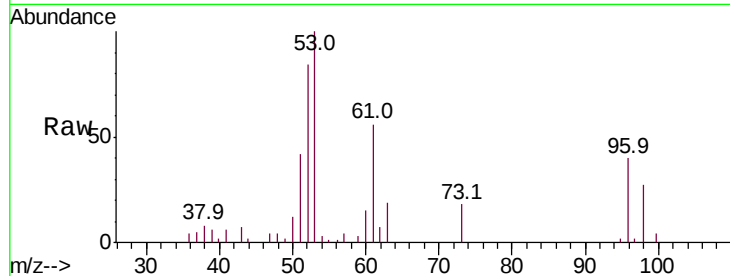
Tot Ion: 53 Resp: 89431

Ion Ratio Lower Upper

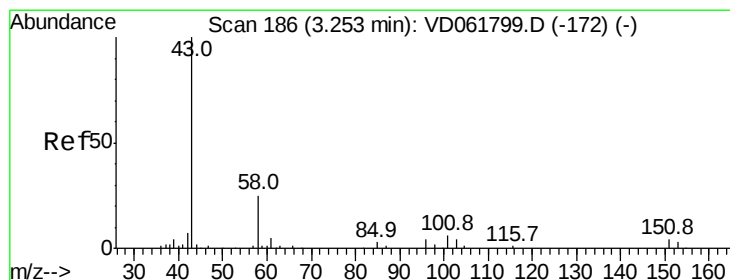
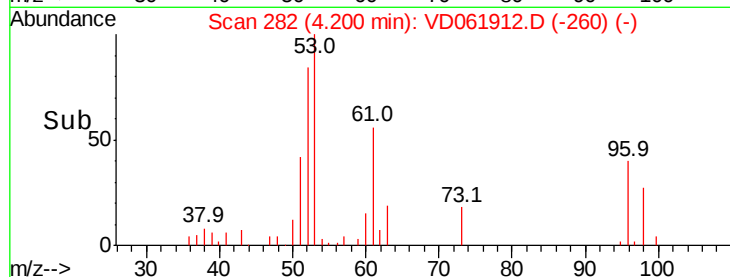
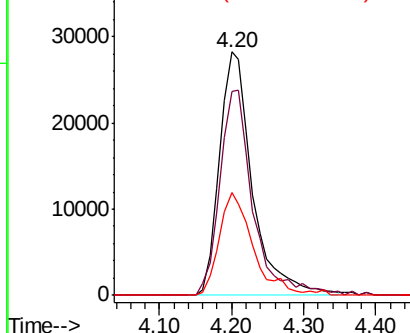
53 100

52 83.7 65.0 97.4

51 42.1 32.6 48.8



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



#16

Acetone

Concen: 89.772 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061912.D

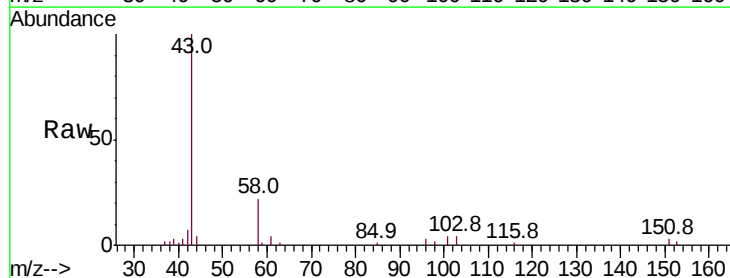
Acq: 19 Apr 2019 16:12

Tgt Ion: 43 Resp: 91269

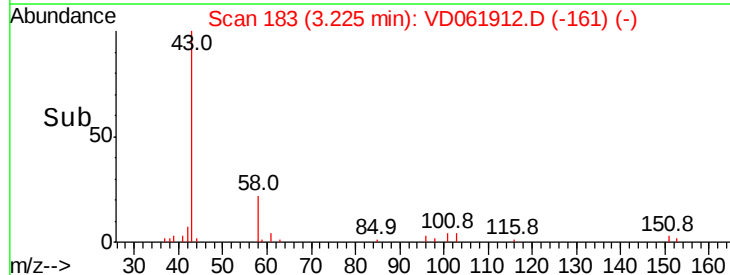
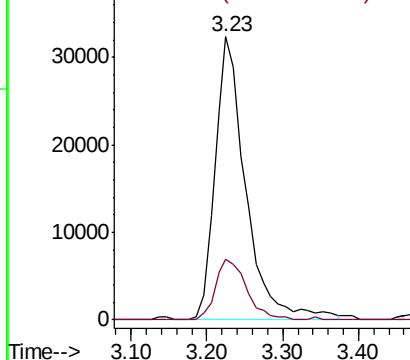
Ion Ratio Lower Upper

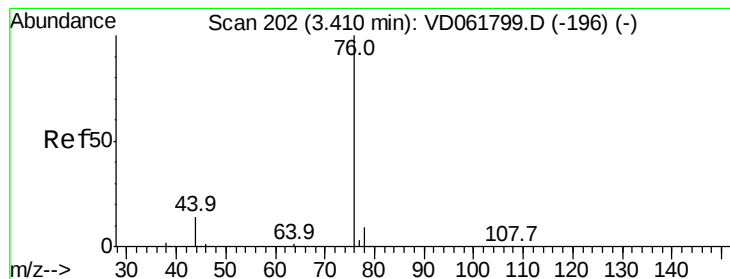
43 100

58 21.6 19.9 29.9



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





#17

Carbon Disulfide

Concen: 16.409 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

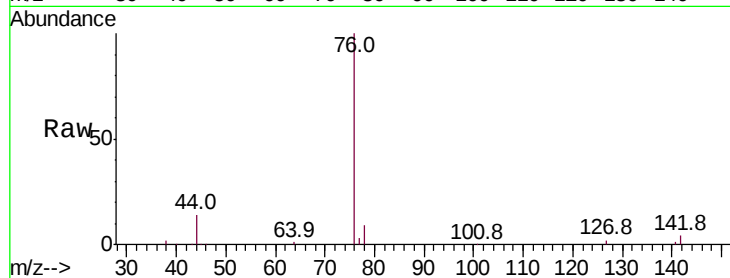
VD0419SBSD01

Tot Ion: 76 Resp: 244910

Ion Ratio Lower Upper

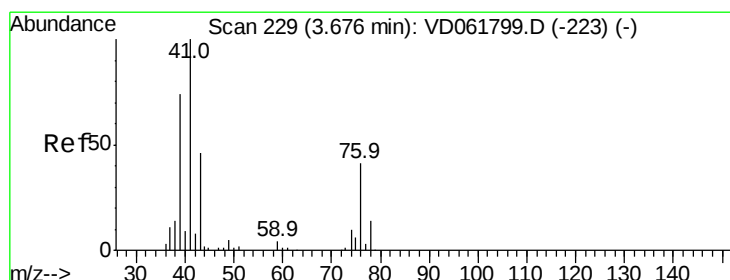
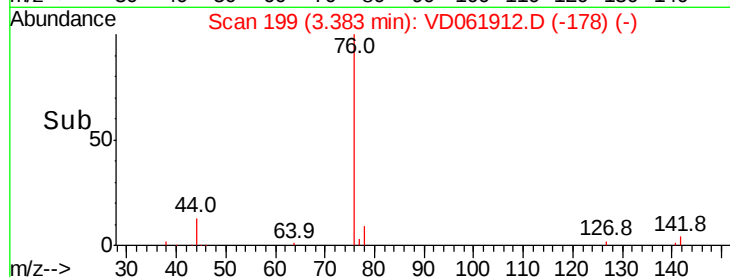
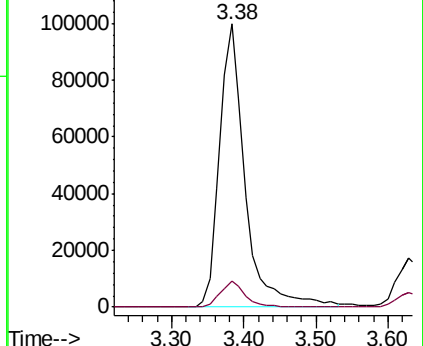
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.671 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061912.D

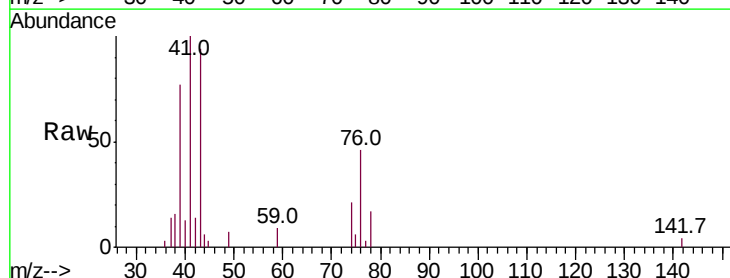
Acq: 19 Apr 2019 16:12

Tgt Ion: 43 Resp: 42122

Ion Ratio Lower Upper

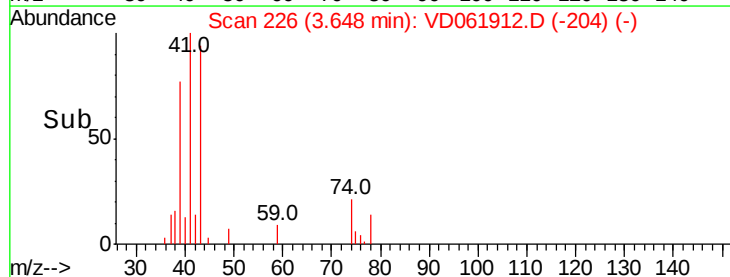
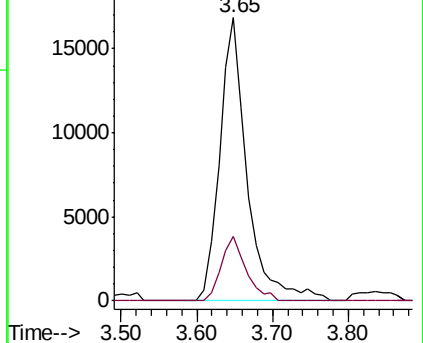
43 100

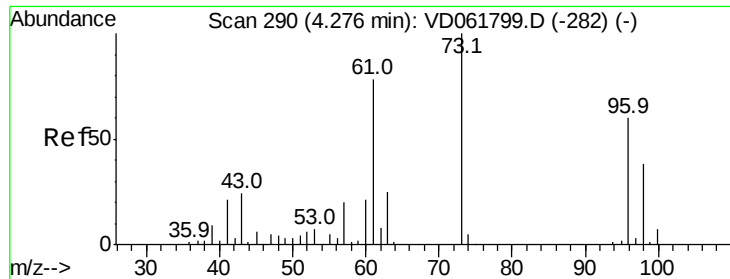
74 22.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



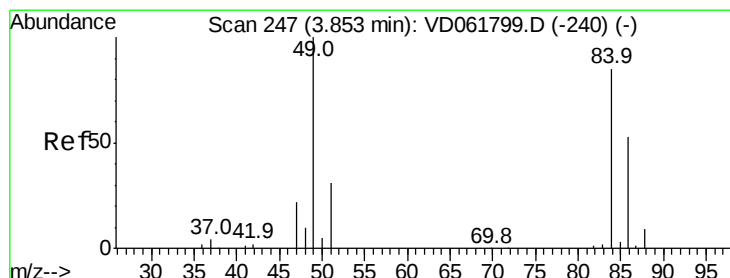
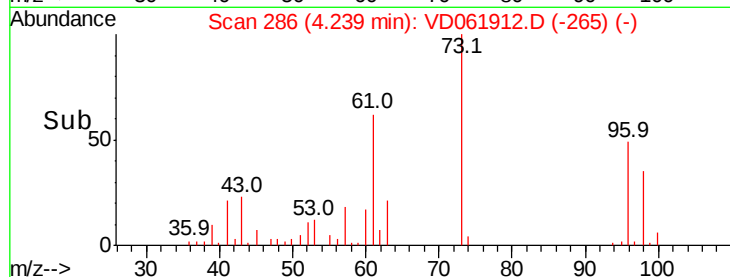
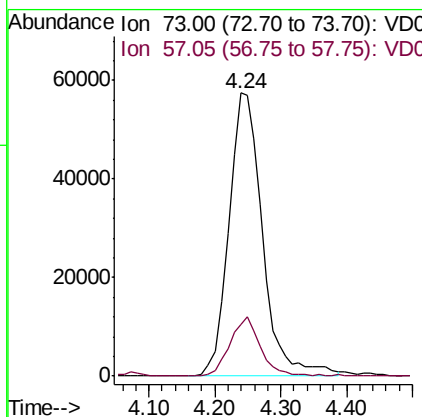
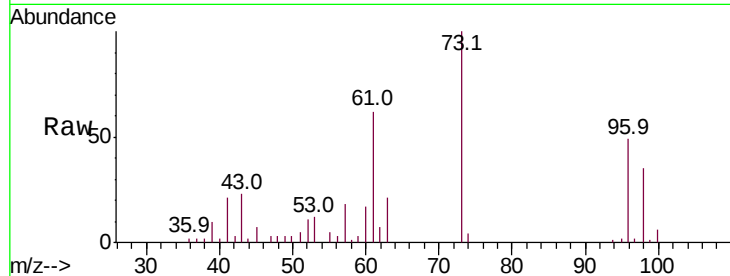


#19

Methyl tert-butyl Ether
 Concen: 23.856 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

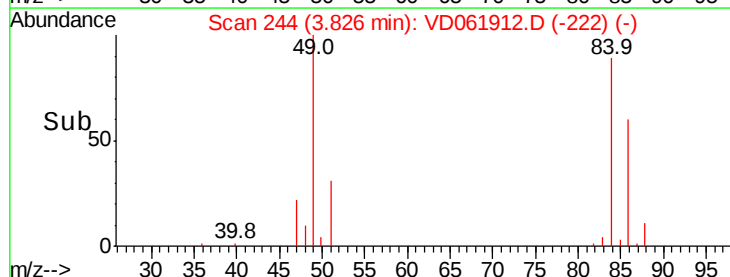
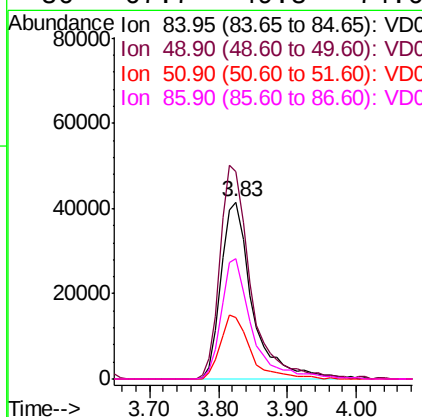
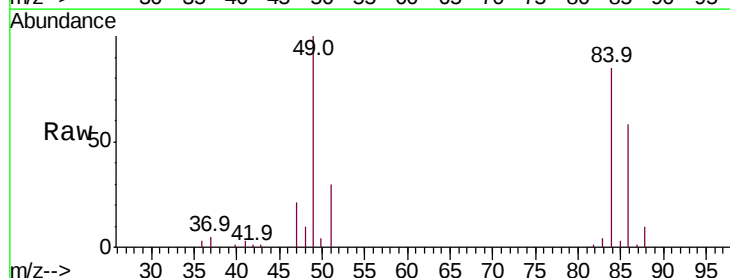
Tot Ion: 73 Resp: 205655
 Ion Ratio Lower Upper
 73 100
 57 18.4 16.3 24.5

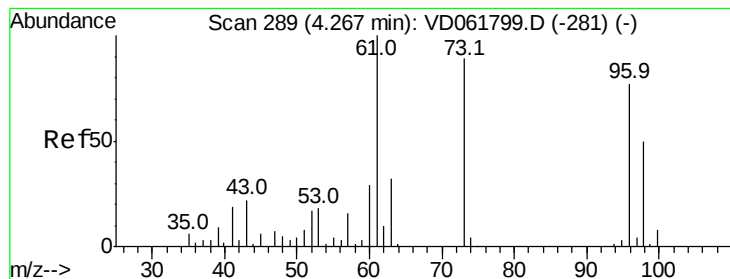


#20

Methylene Chloride
 Concen: 23.364 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 84 Resp: 130422
 Ion Ratio Lower Upper
 84 100
 49 117.3 94.0 141.0
 51 34.7 29.0 43.4
 86 67.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.953 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

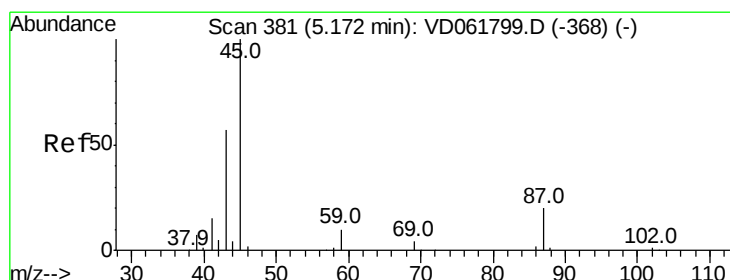
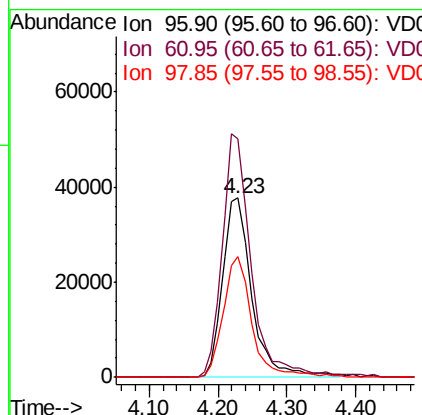
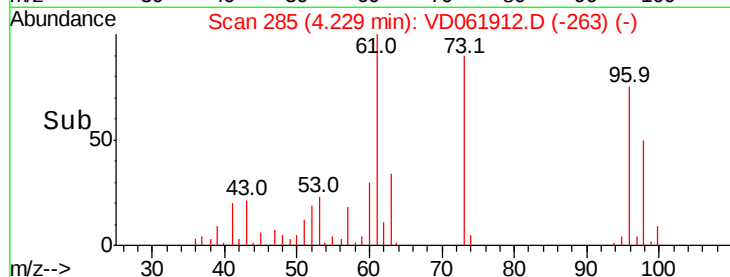
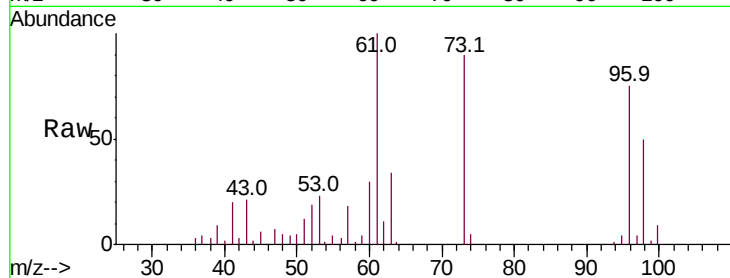
Tot Ion: 96 Resp: 111445

Ion Ratio Lower Upper

96 100

61 132.9 104.4 156.6

98 67.1 51.8 77.8



#22

Diisopropyl ether

Concen: 22.184 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Tgt Ion: 45 Resp: 298586

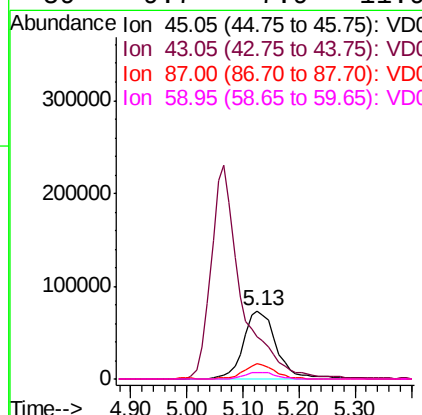
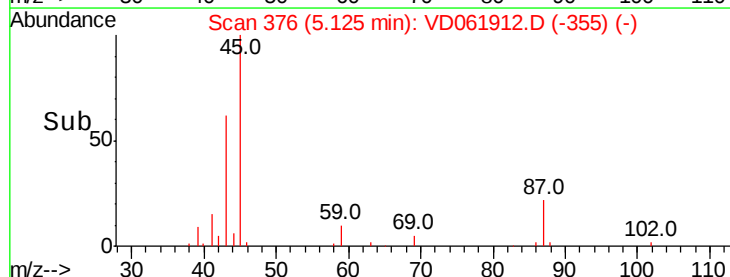
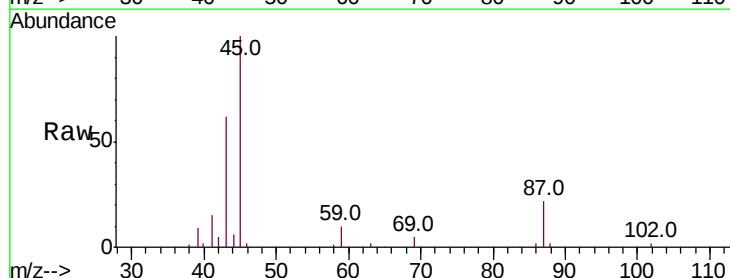
Ion Ratio Lower Upper

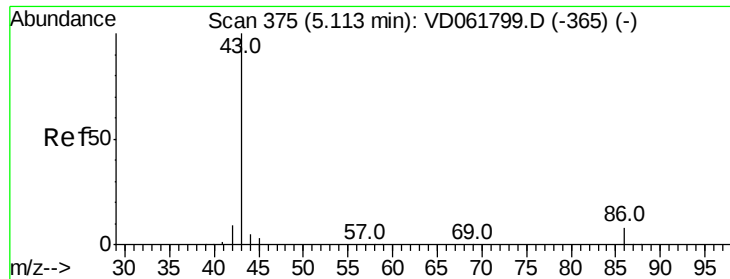
45 100

43 61.5 46.2 69.2

87 21.6 15.9 23.9

59 9.7 7.9 11.9





#23

Vinyl Acetate

Concen: 119.401 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

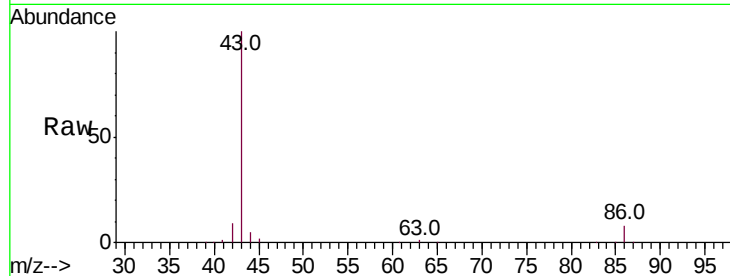
VD0419SBSD01

Tot Ion: 43 Resp: 859074

Ion Ratio Lower Upper

43 100

86 8.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

100000

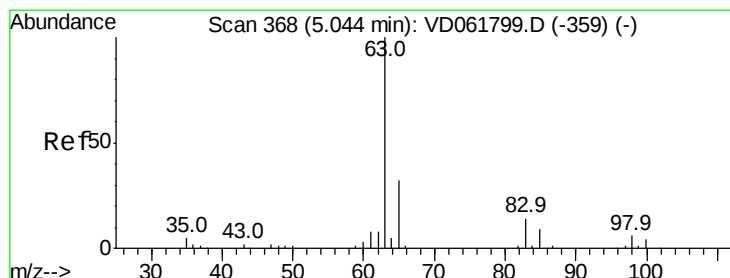
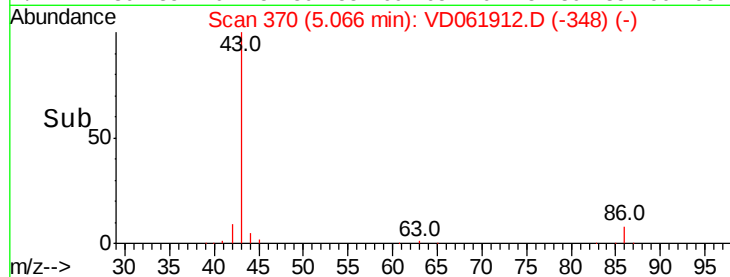
50000

0

Time-->

4.90 5.00 5.10 5.20

5.07



#24

1,1-Dichloroethane

Concen: 22.723 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

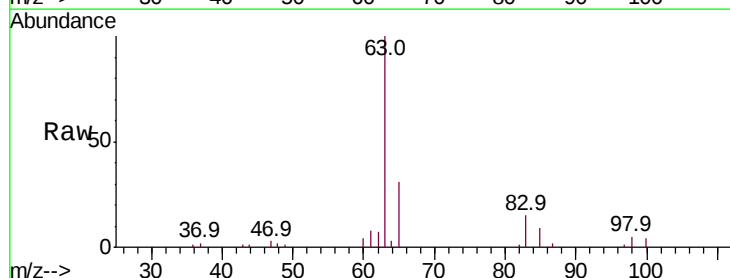
Tgt Ion: 63 Resp: 185429

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 4.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

60000

40000

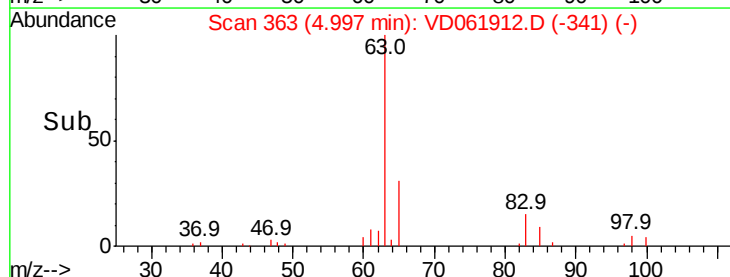
20000

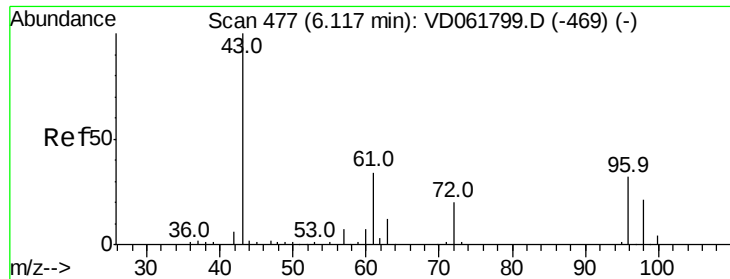
0

Time-->

4.80 4.90 5.00 5.10 5.20

5.00





#25

2-Butanone

Concen: 113.956 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

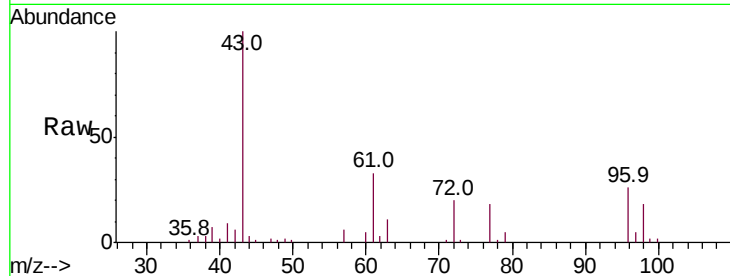
VD0419SBS01

Tot Ion: 43 Resp: 131899

Ion Ratio Lower Upper

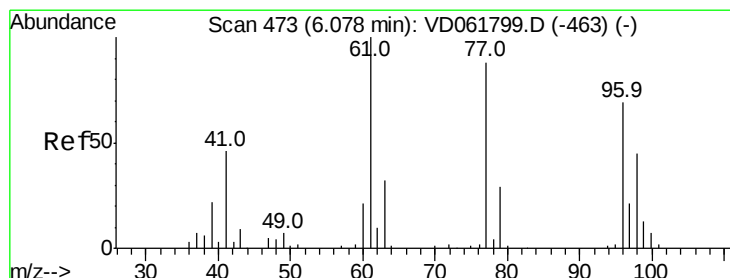
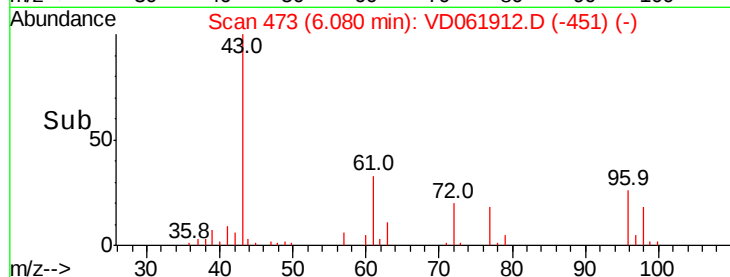
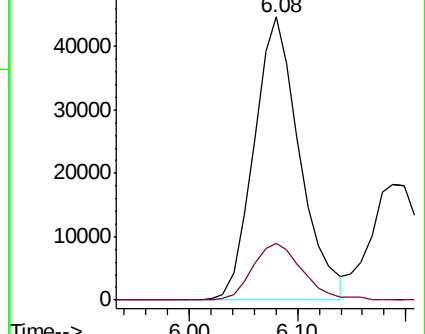
43 100

72 20.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.039 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061912.D

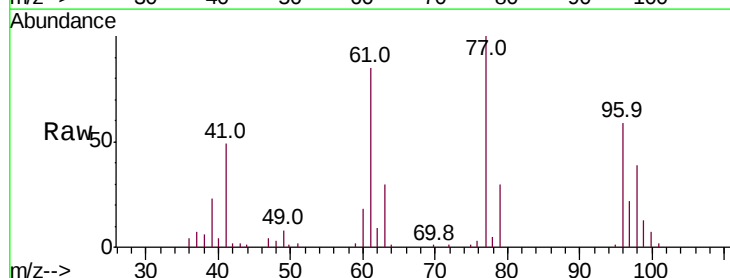
Acq: 19 Apr 2019 16:12

Tgt Ion: 77 Resp: 155448

Ion Ratio Lower Upper

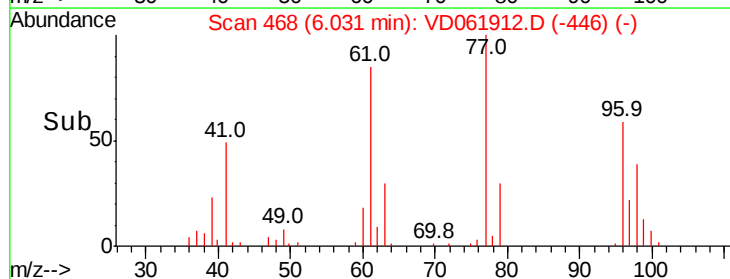
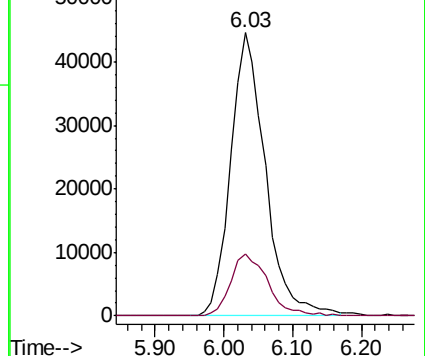
77 100

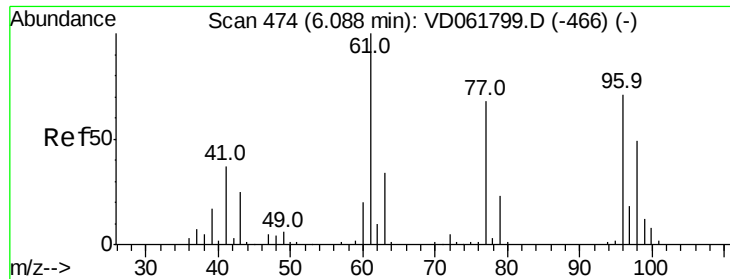
97 21.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



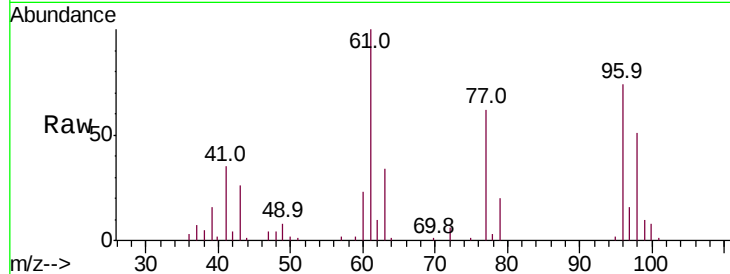


#27

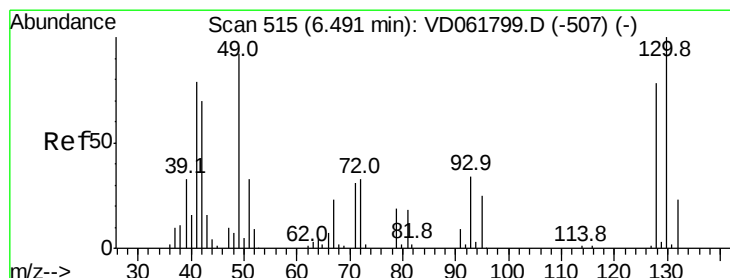
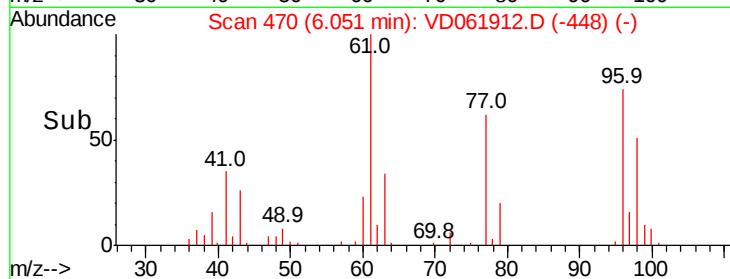
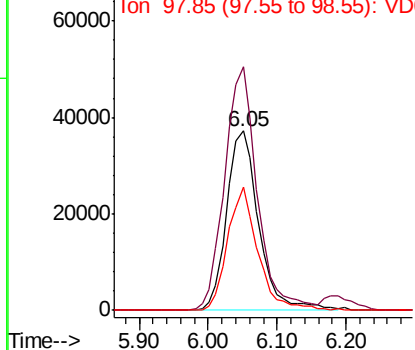
cis-1,2-Dichloroethene
 Concen: 21.814 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

Tot Ion: 96 Resp: 120050
 Ion Ratio Lower Upper
 96 100
 61 135.9 0.0 279.8
 98 69.1 0.0 136.0



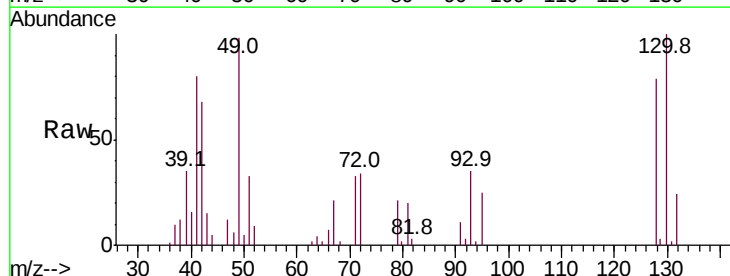
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



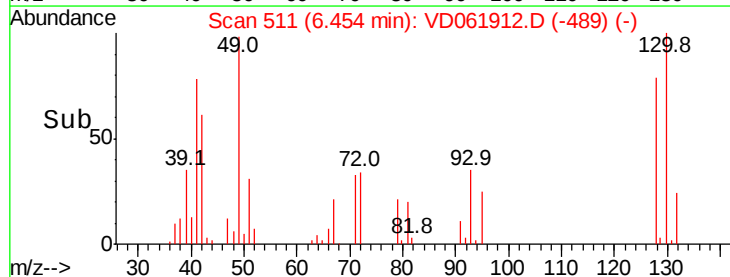
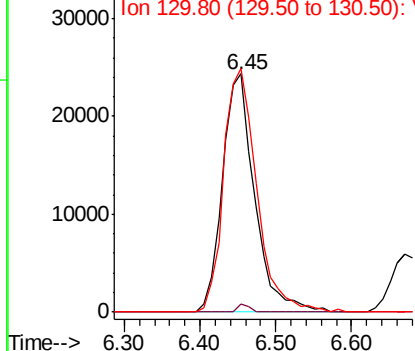
#28

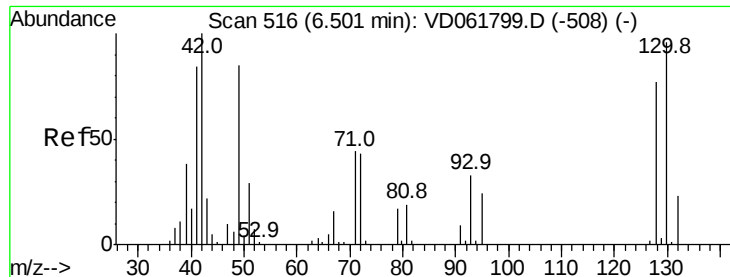
Bromochloromethane
 Concen: 23.117 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 49 Resp: 71655
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 6.6
 130 102.1 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 121.879 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

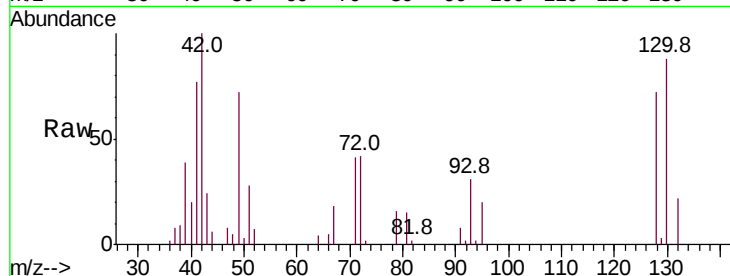
Tot Ion: 42 Resp: 68717

Ion Ratio Lower Upper

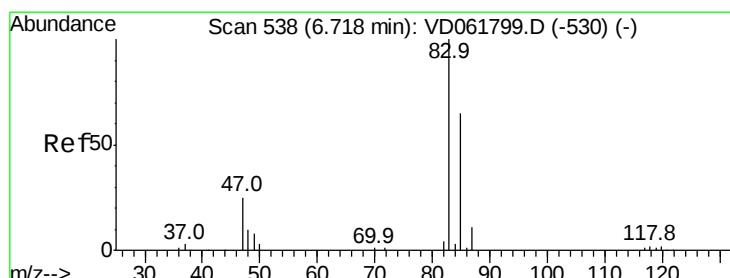
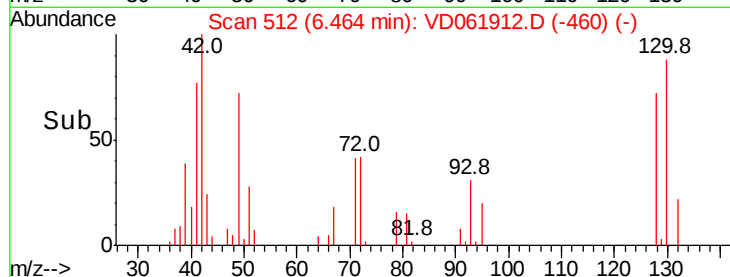
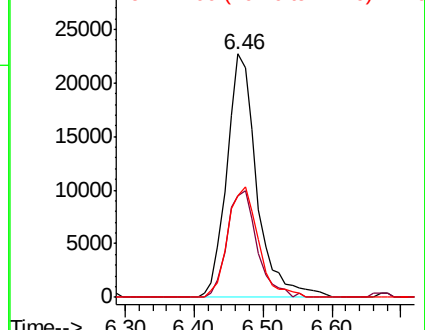
42 100

72 43.6 37.8 56.6

71 45.9 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: 22.613 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061912.D

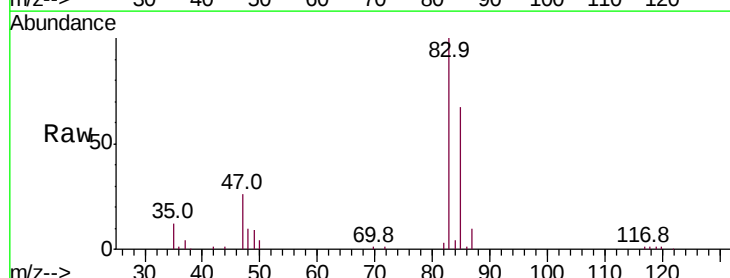
Acq: 19 Apr 2019 16:12

Tgt Ion: 83 Resp: 205821

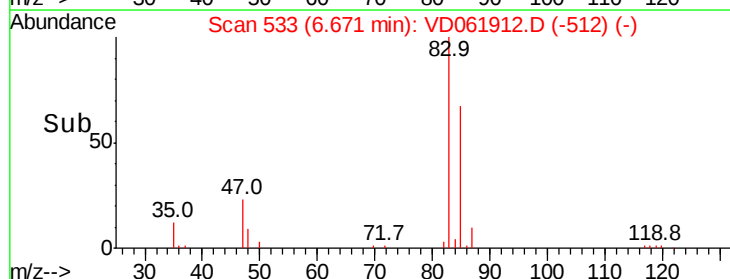
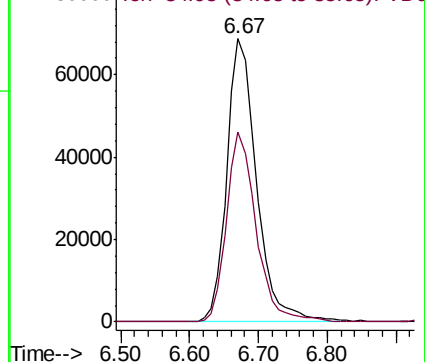
Ion Ratio Lower Upper

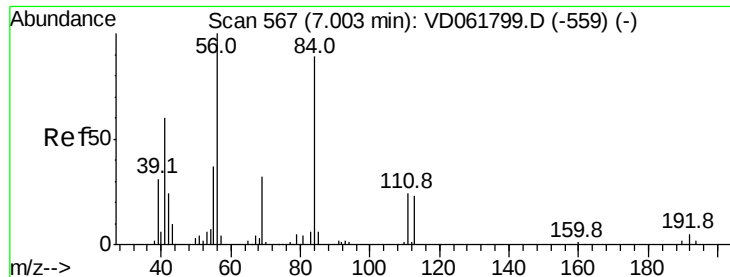
83 100

85 67.3 51.7 77.5



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

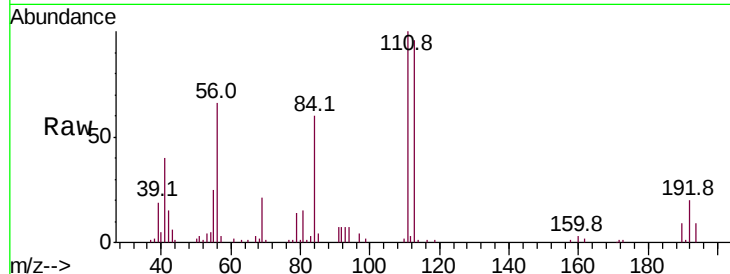




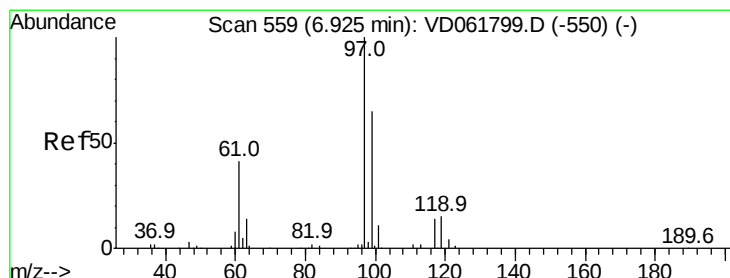
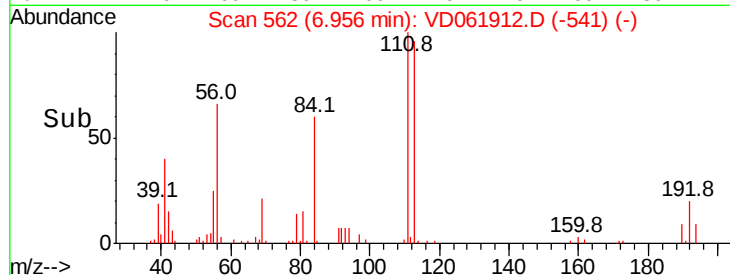
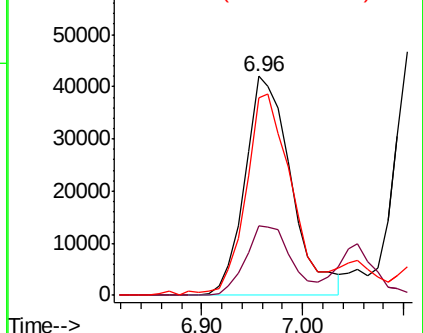
#31
Cvclohexane
Concen: 21.413 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

Tot Ion: 56 Resp: 133766
Ion Ratio Lower Upper
56 100
69 32.0 25.8 38.6
84 90.3 72.2 108.4

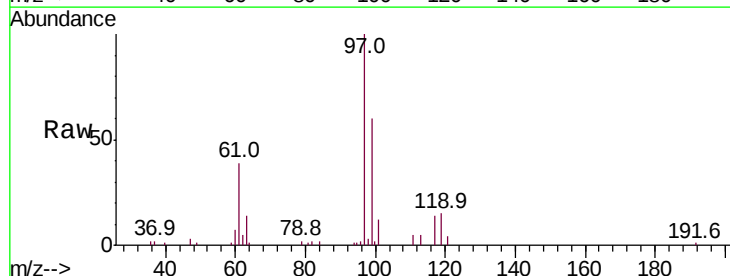


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

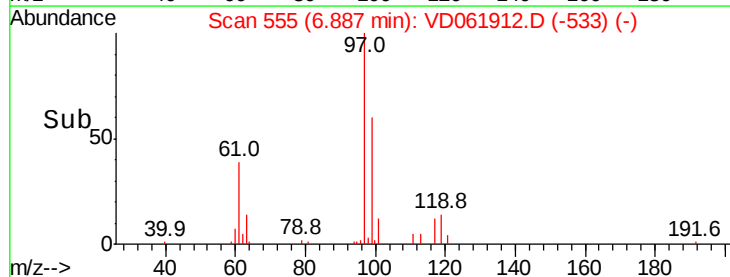
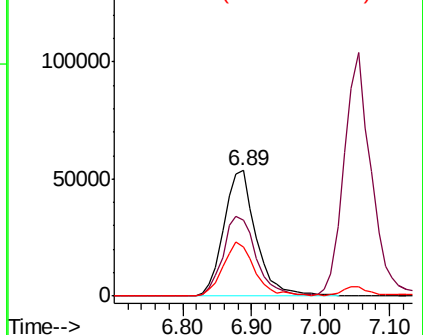


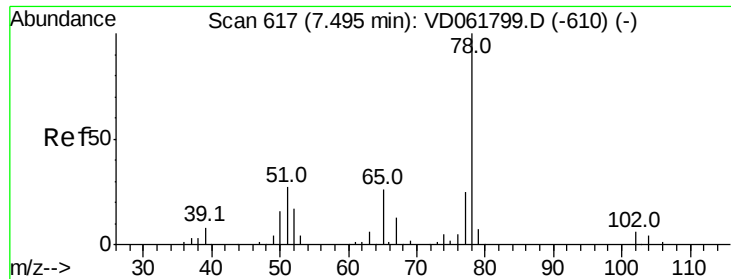
#32
1,1,1-Trichloroethane
Concen: 21.628 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 97 Resp: 174501
Ion Ratio Lower Upper
97 100
99 60.1 52.2 78.2
61 38.7 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 58.940 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

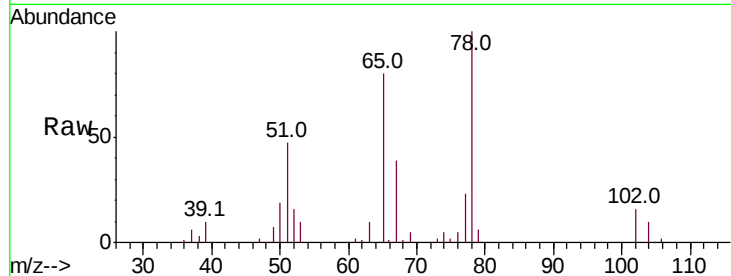
VD0419SBSD01

Tot Ion: 65 Resp: 243134

Ion Ratio Lower Upper

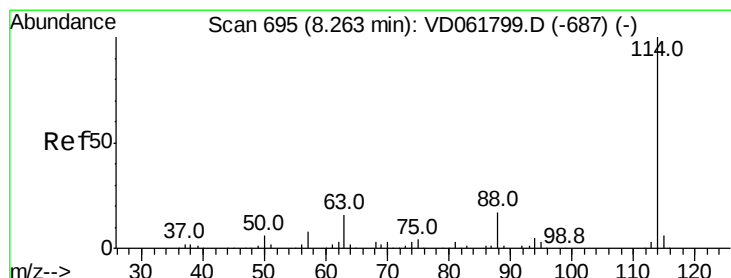
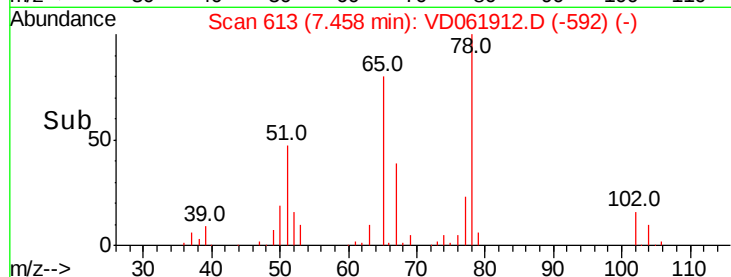
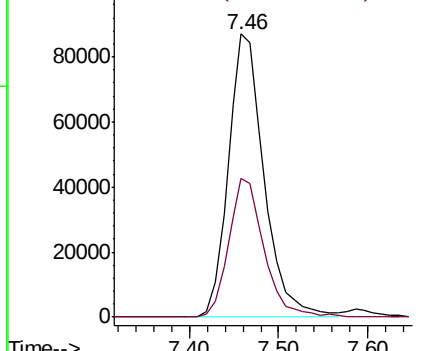
65 100

67 49.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

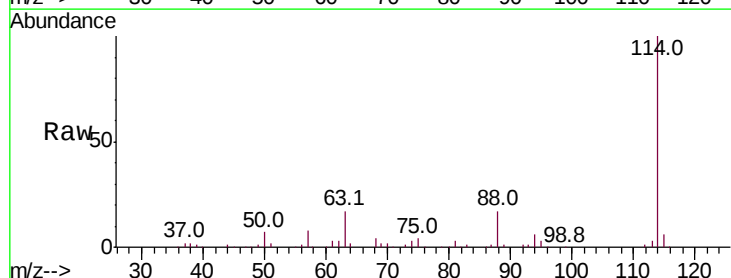
Tgt Ion: 114 Resp: 787760

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

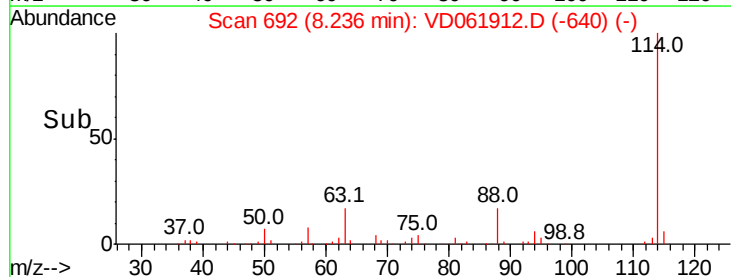
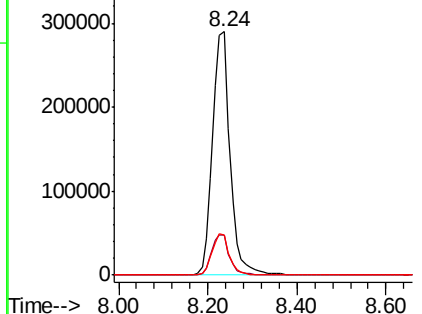
88 16.7 0.0 33.6

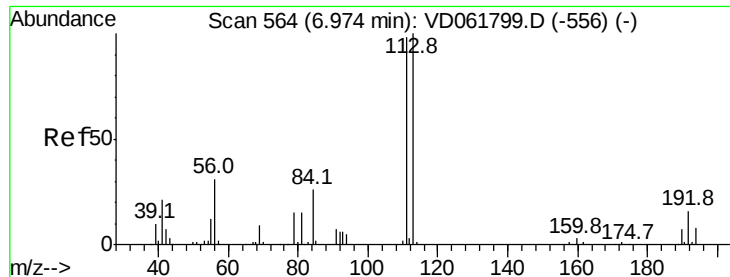


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

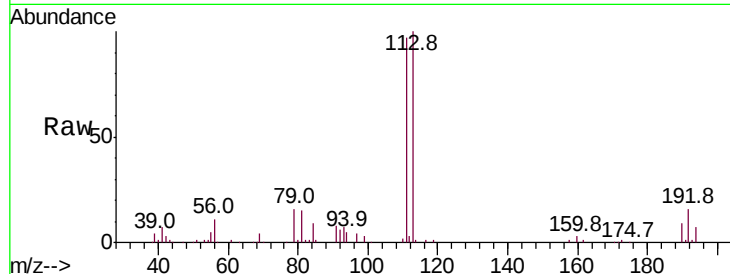




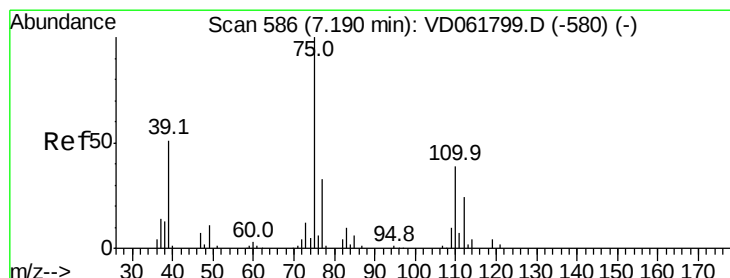
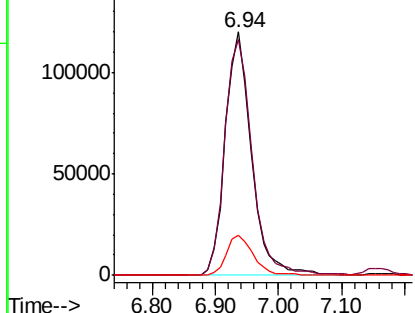
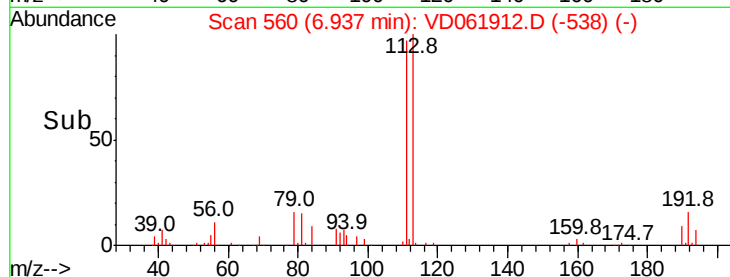
#35
 Dibromofluoromethane
 Concen: 58.331 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

Tot Ion:113 Resp: 347163
 Ion Ratio Lower Upper
 113 100
 111 96.9 78.5 117.7
 192 16.4 13.0 19.4

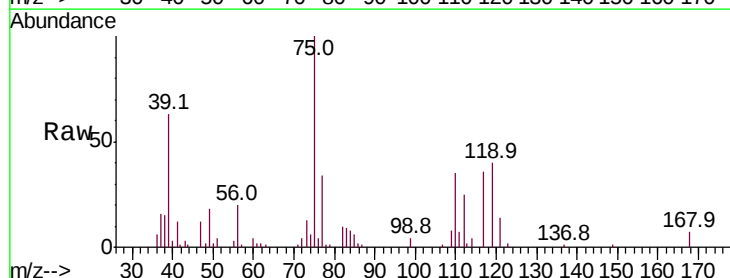


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

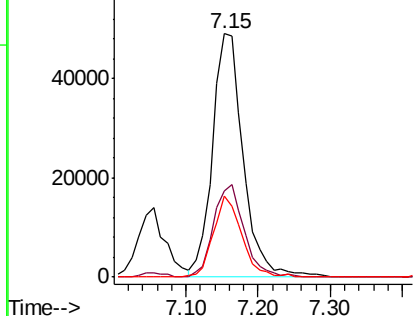
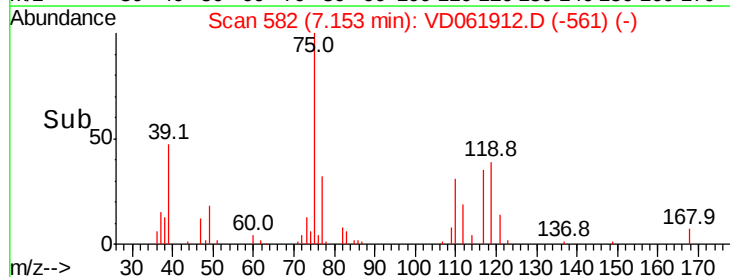


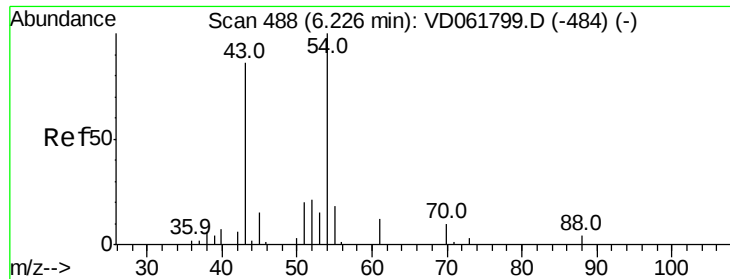
#36
 1,1-Dichloropropene
 Concen: 22.388 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 75 Resp: 144116
 Ion Ratio Lower Upper
 75 100
 110 35.3 19.1 57.1
 77 33.5 25.6 38.4



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

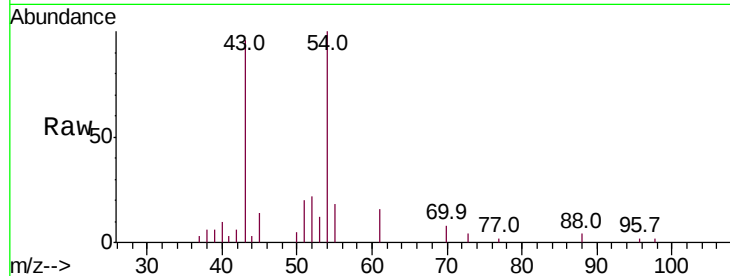




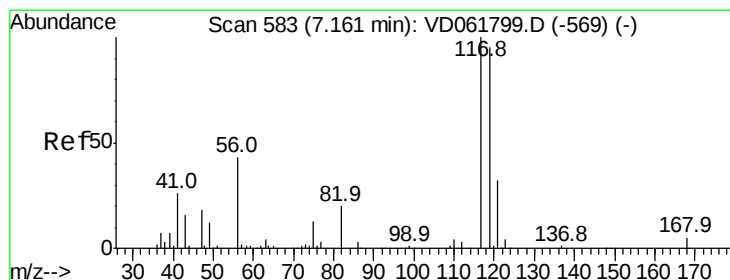
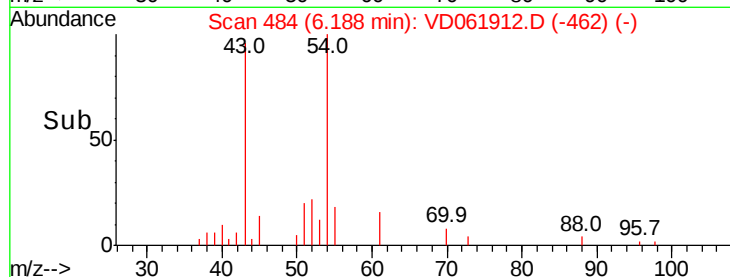
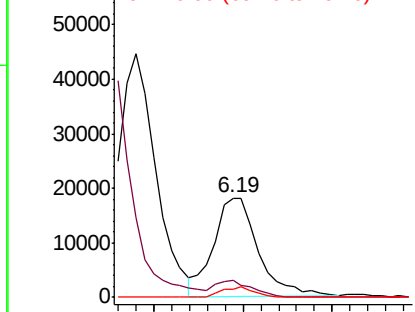
#37
Ethyl Acetate
Concen: 22.734 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

Tot Ion: 43 Resp: 62634
Ion Ratio Lower Upper
43 100
61 16.5 14.7 22.1
70 8.4 7.8 11.6

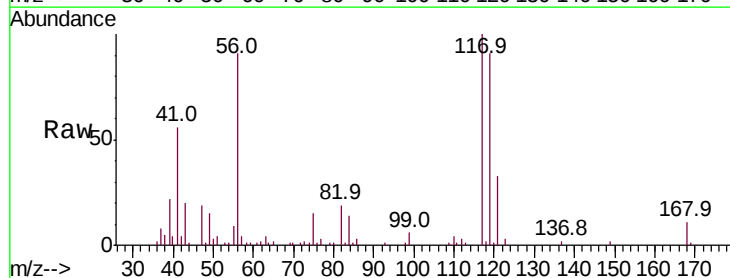


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

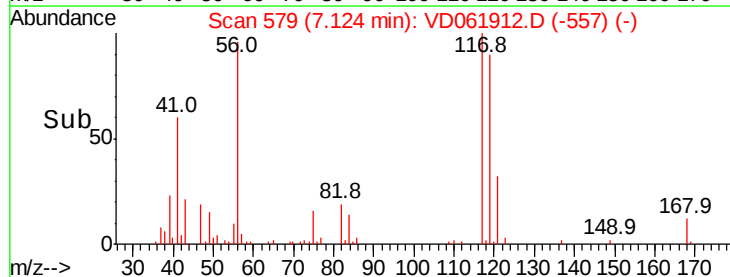
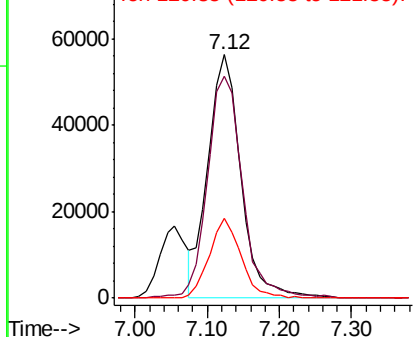


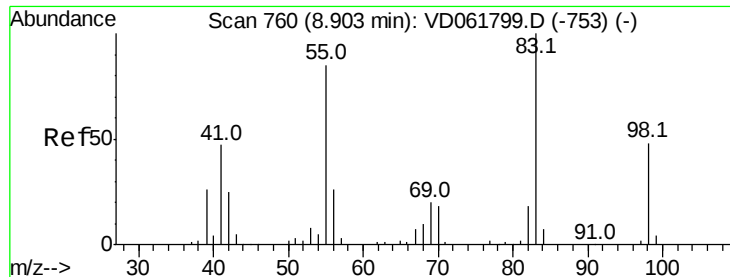
#38
Carbon Tetrachloride
Concen: 21.957 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 117 Resp: 178474
Ion Ratio Lower Upper
117 100
119 91.4 75.8 113.8
121 32.8 25.9 38.9



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

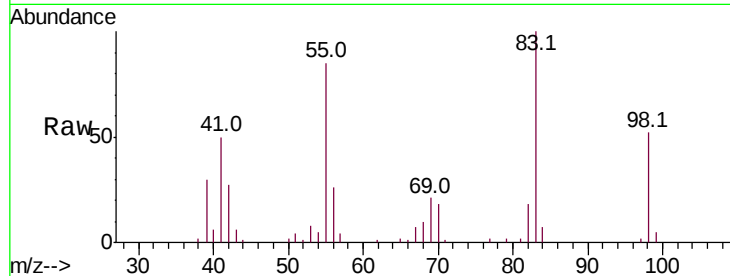




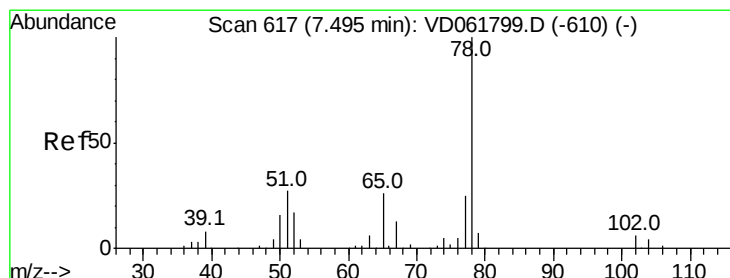
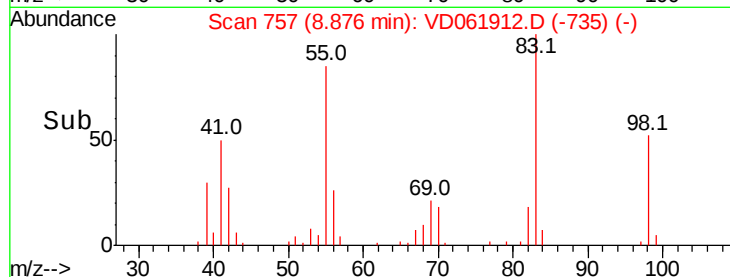
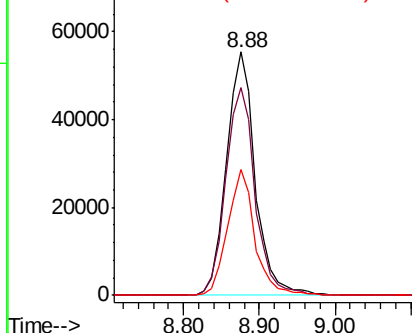
#39
Methvlcvclohexane
Concen: 21.642 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

Tot Ion: 83 Resp: 144668
Ion Ratio Lower Upper
83 100
55 85.3 68.2 102.4
98 51.7 38.2 57.4

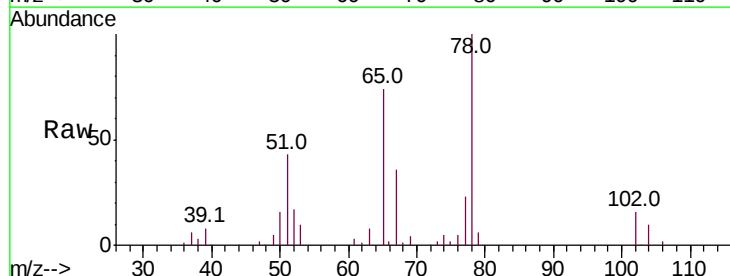


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

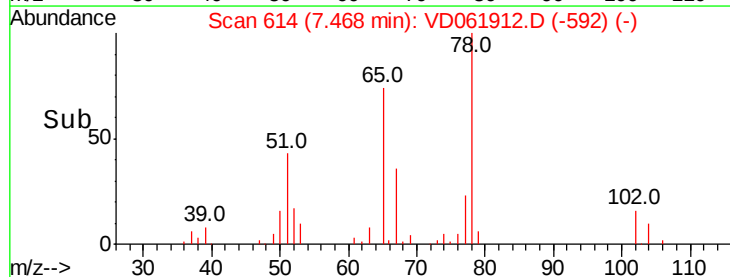
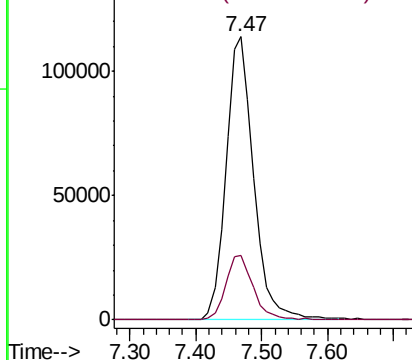


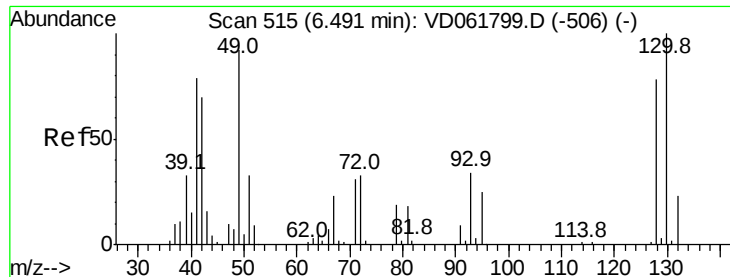
#40
Benzene
Concen: 21.637 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 78 Resp: 334384
Ion Ratio Lower Upper
78 100
77 22.6 19.7 29.5



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

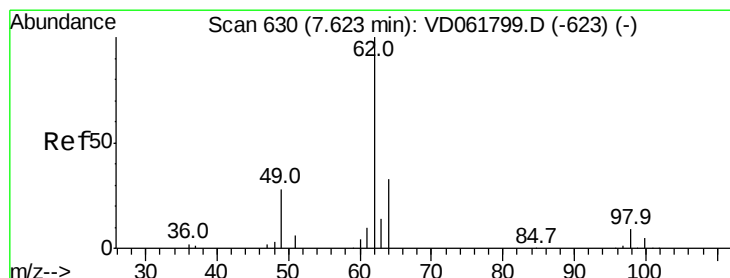
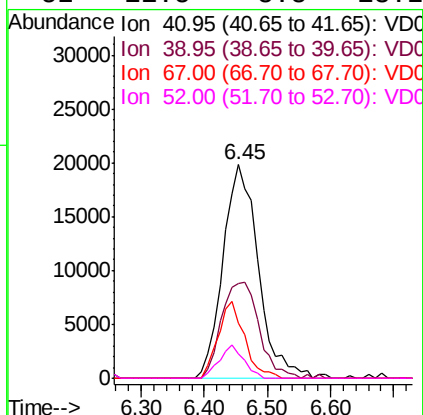
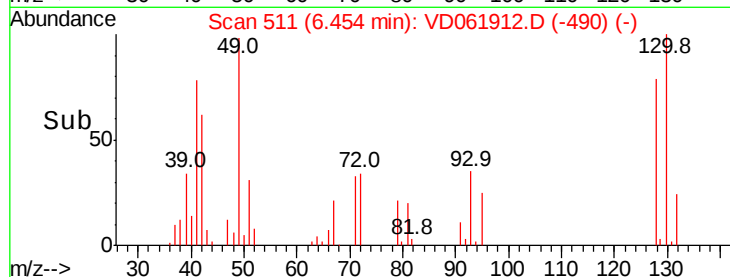
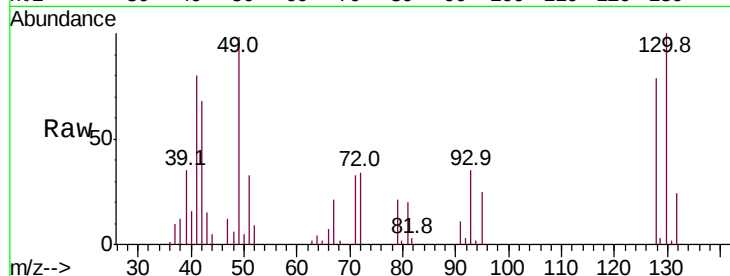




#41
Methacrylonitrile
Concen: 23.627 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

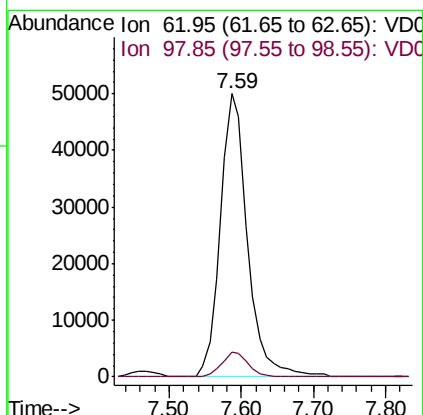
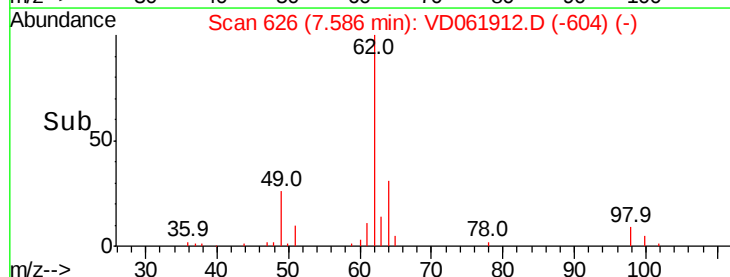
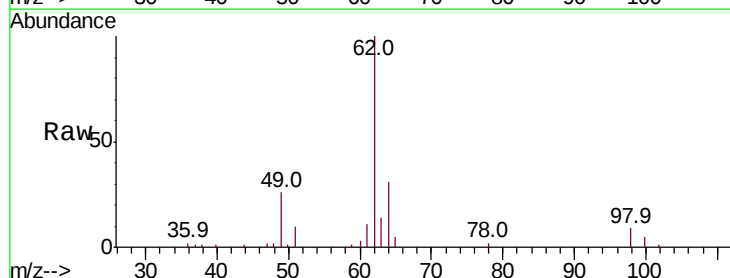
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

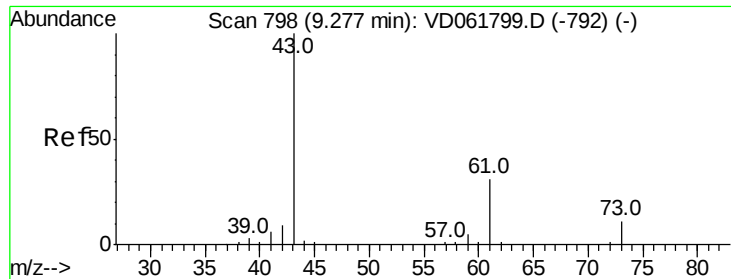
Tot Ion: 41 Resp: 76940
Ion Ratio Lower Upper
41 100
39 44.1 34.1 51.1
67 26.0 23.8 35.6
52 11.5 8.8 13.2



#42
1,2-Dichloroethane
Concen: 24.123 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 62 Resp: 129842
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.8



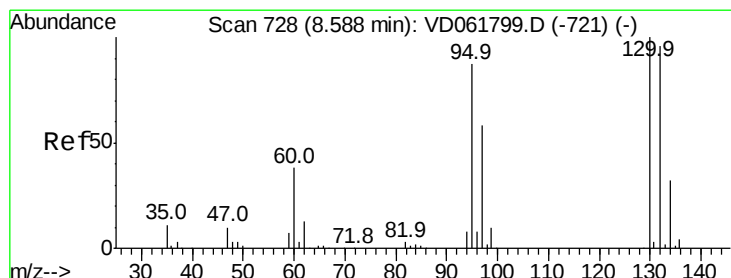
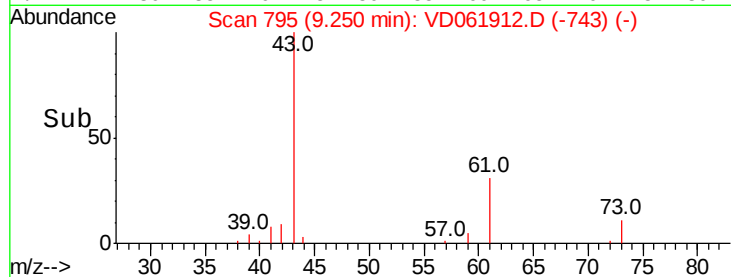
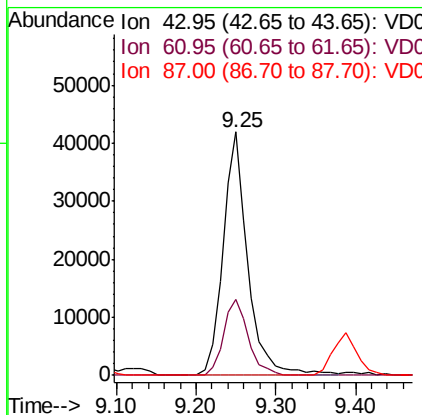
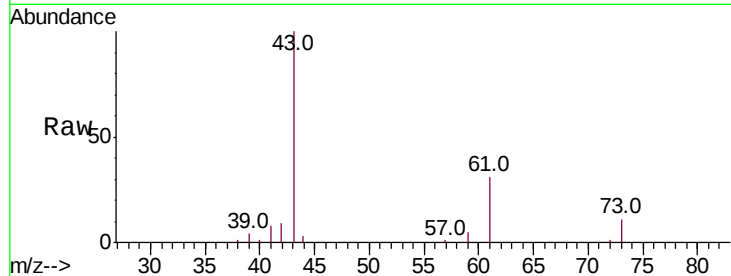


#43

Isopropyl Acetate
 Concen: 23.487 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0419SBS01

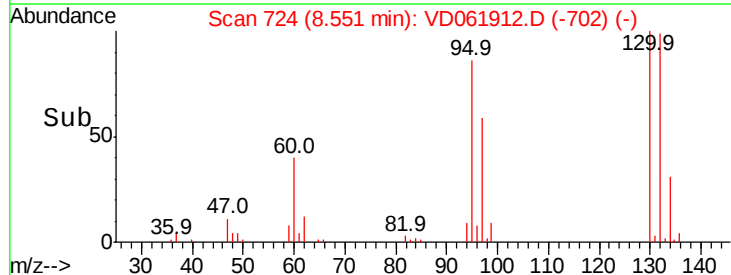
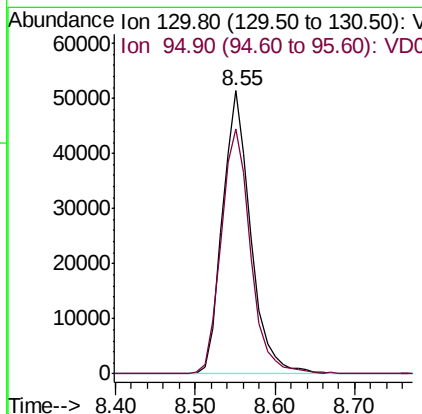
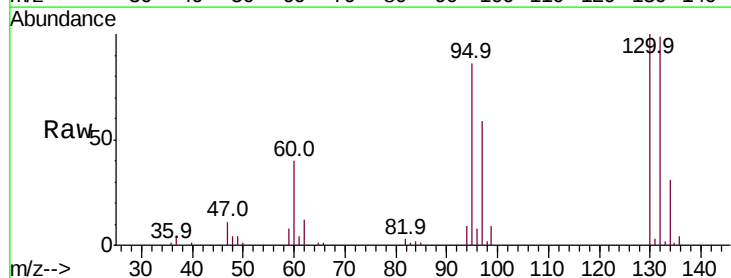
Tot Ion: 43 Resp: 91062
 Ion Ratio Lower Upper
 43 100
 61 31.0 25.1 37.7
 87 0.0 0.0 0.0

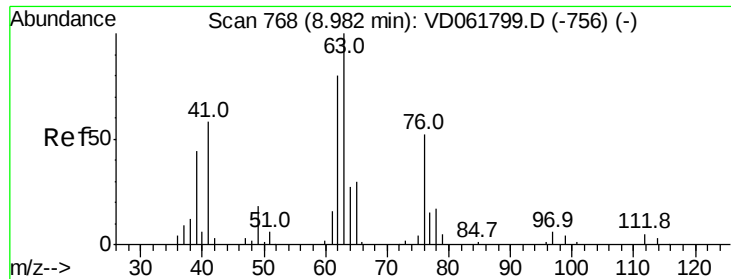


#44

Trichloroethene
 Concen: 21.476 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 130 Resp: 127766
 Ion Ratio Lower Upper
 130 100
 95 86.4 0.0 174.0

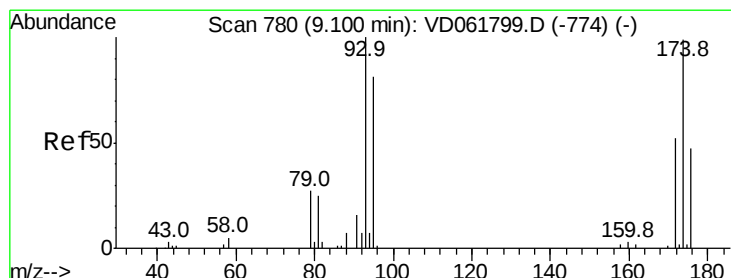
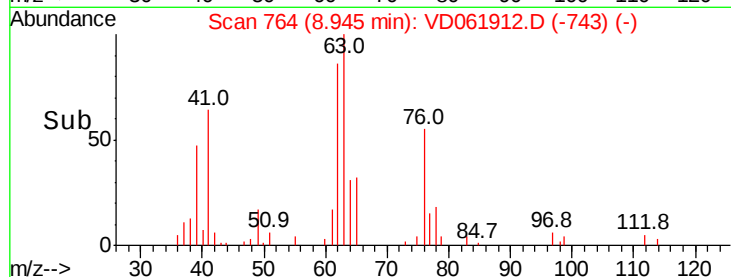
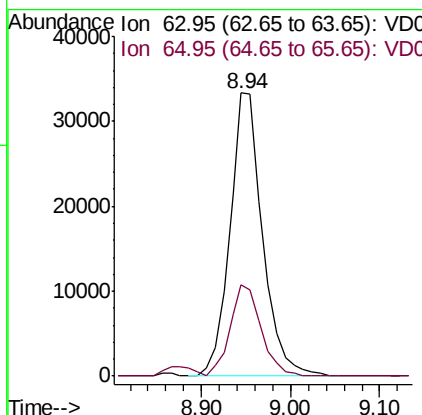
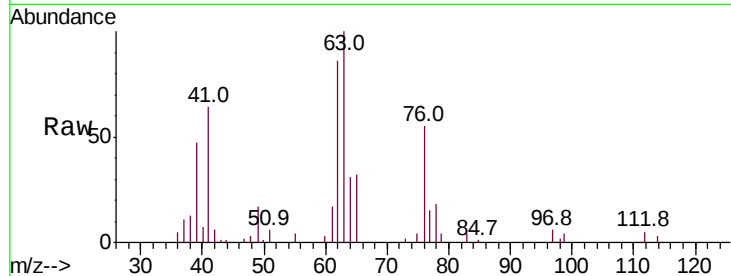




#45
 1,2-Dichloropropane
 Concen: 21.073 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

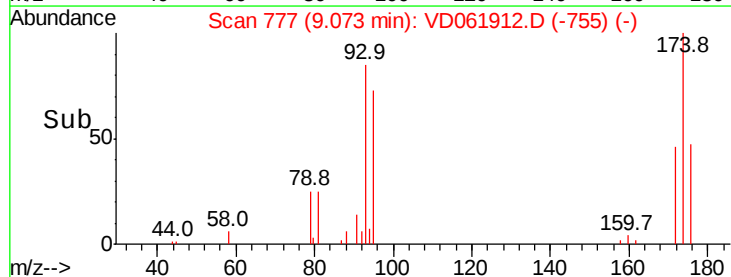
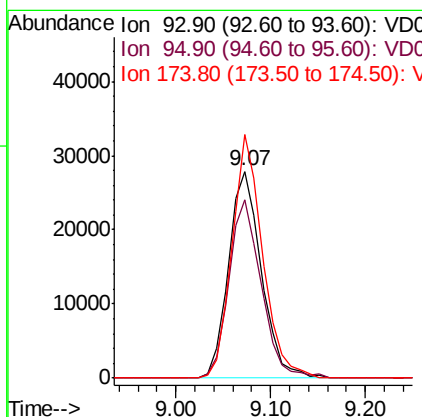
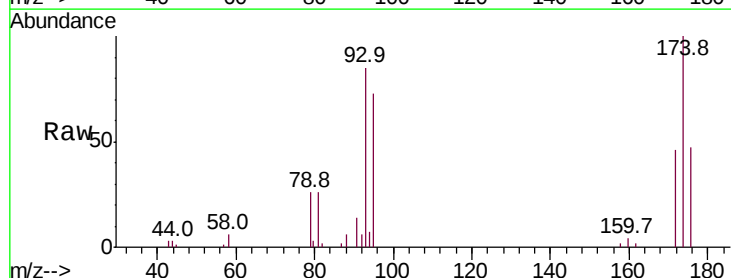
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

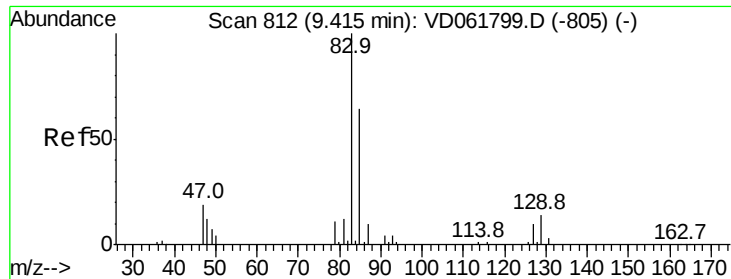
Tot Ion: 63 Resp: 84829
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.8 35.6



#46
 Dibromomethane
 Concen: 23.287 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 93 Resp: 66794
 Ion Ratio Lower Upper
 93 100
 95 86.0 64.8 97.2
 174 117.6 79.3 118.9





#47

Bromodichloromethane

Concen: 23.023 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

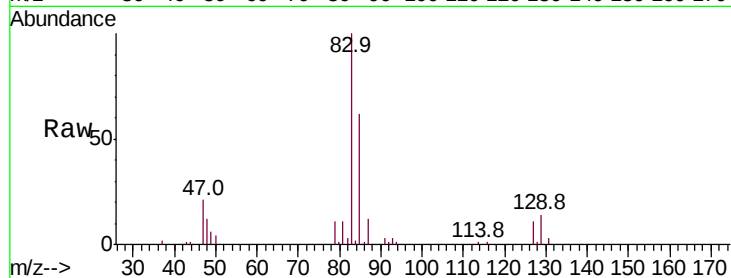
Tot Ion: 83 Resp: 152348

Ion Ratio Lower Upper

83 100

85 62.3 50.9 76.3

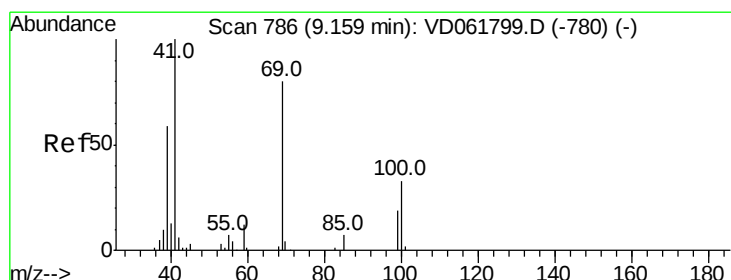
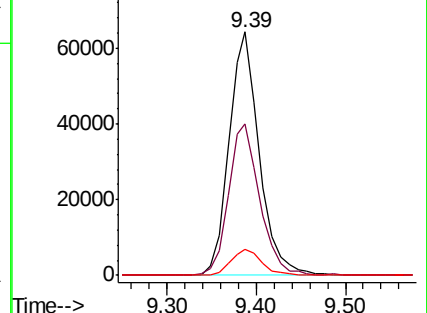
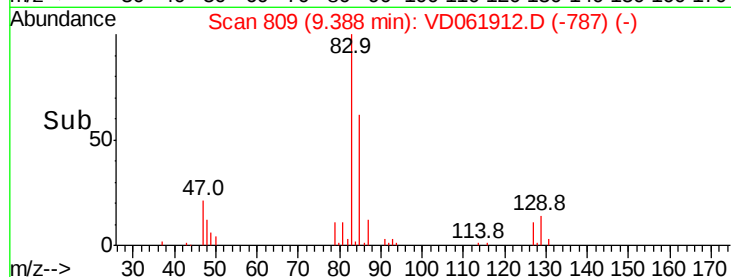
127 10.7 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.208 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

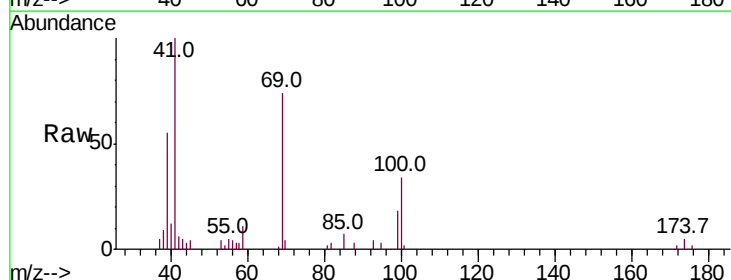
Tgt Ion: 41 Resp: 52891

Ion Ratio Lower Upper

41 100

69 73.8 64.2 96.2

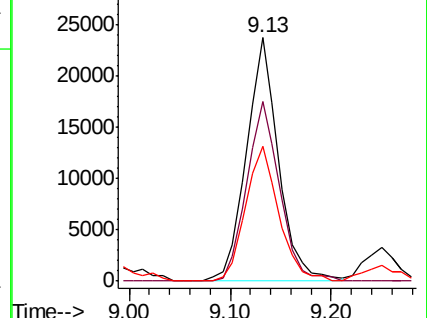
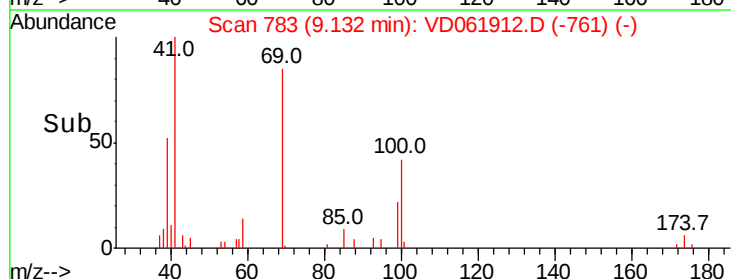
39 55.2 46.8 70.2

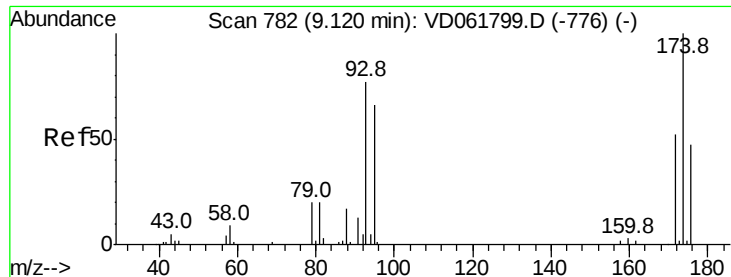


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 419.555 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

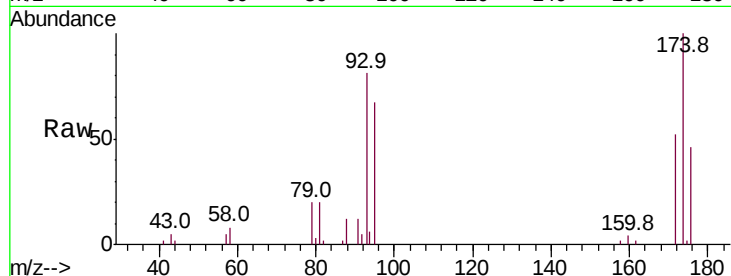
Tot Ion: 88 Resp: 10451

Ion Ratio Lower Upper

88 100

43 39.4 23.4 35.0#

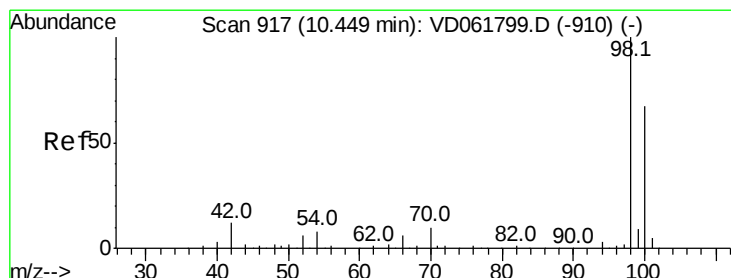
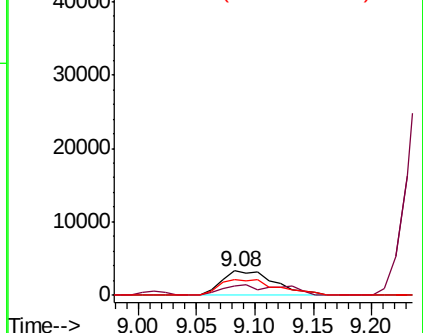
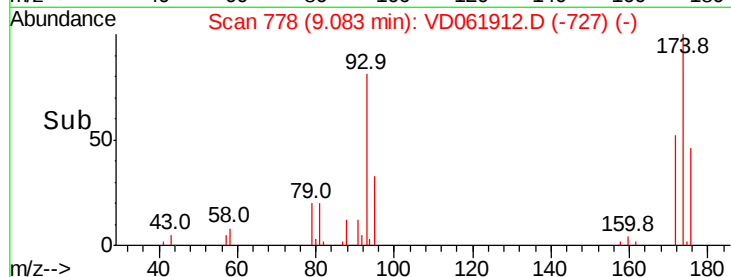
58 63.5 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 59.651 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061912.D

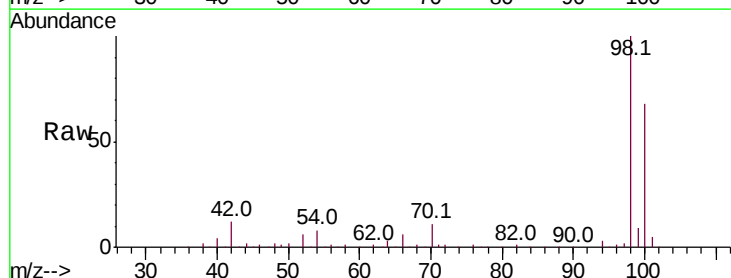
Acq: 19 Apr 2019 16:12

Tgt Ion: 98 Resp: 841183

Ion Ratio Lower Upper

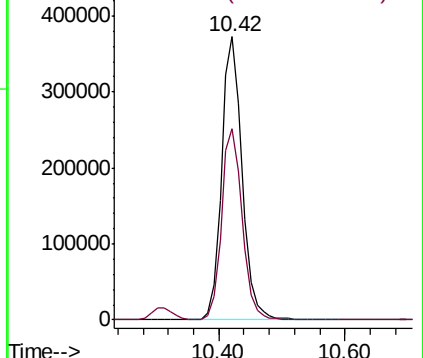
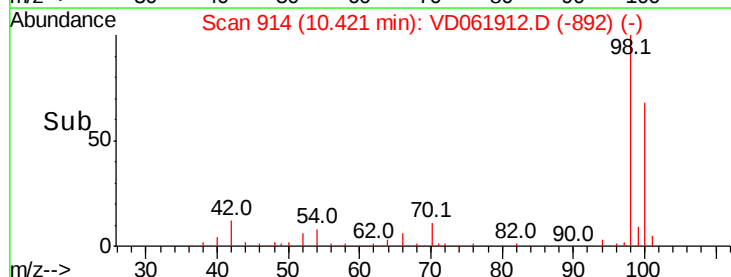
98 100

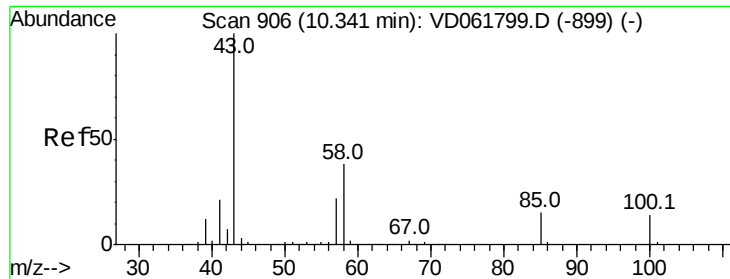
100 67.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 122.047 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

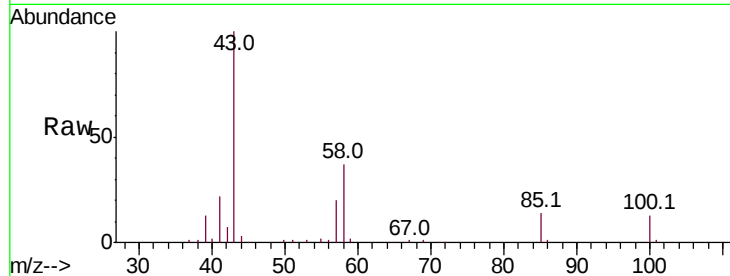
VD0419SBS01

Tot Ion: 43 Resp: 289370

Ion Ratio Lower Upper

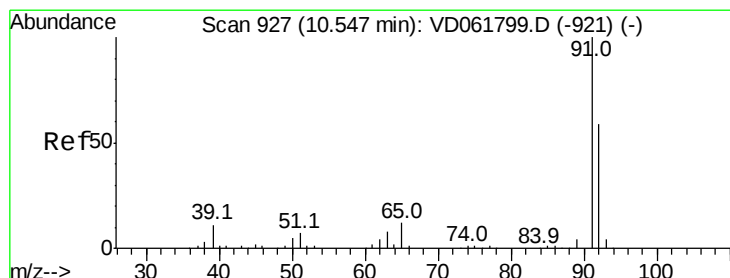
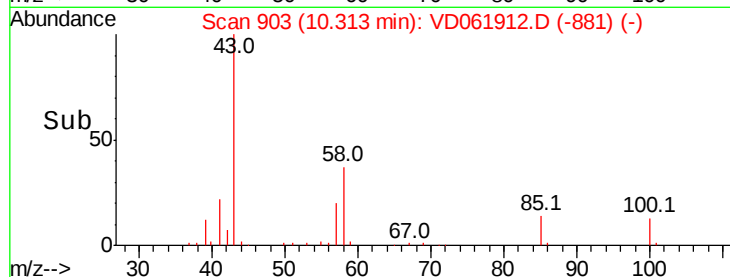
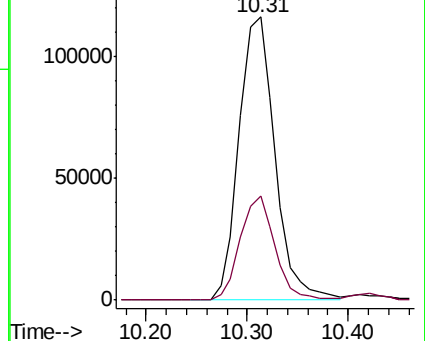
43 100

58 36.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.274 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061912.D

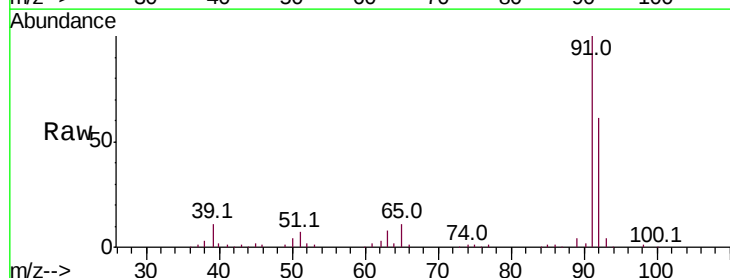
Acq: 19 Apr 2019 16:12

Tgt Ion: 92 Resp: 210693

Ion Ratio Lower Upper

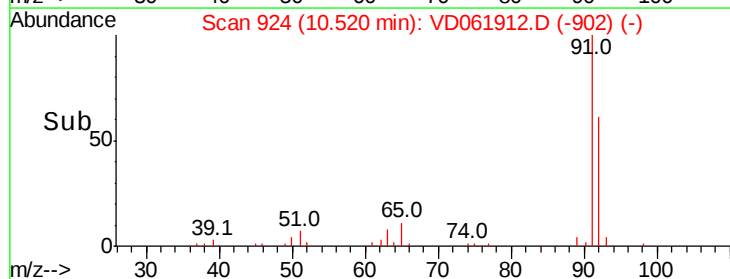
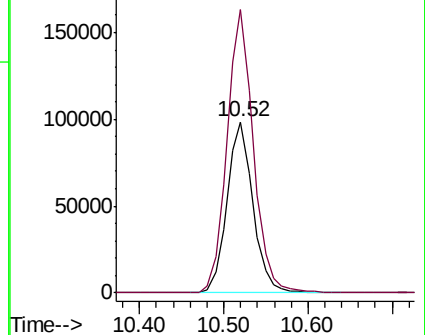
92 100

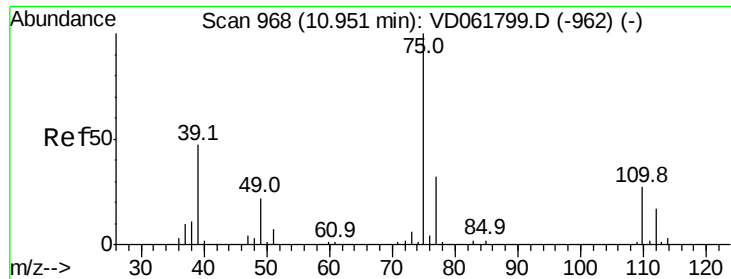
91 165.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.960 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

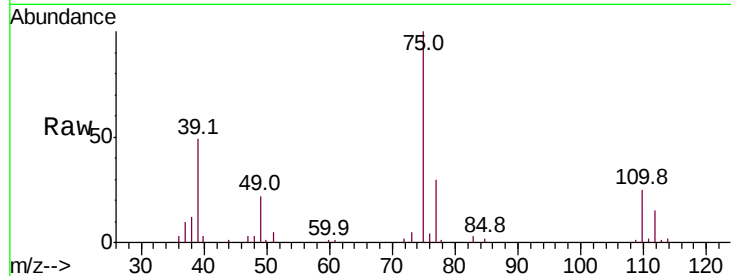
VD0419SBS01

Tot Ion: 75 Resp: 136902

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

80000

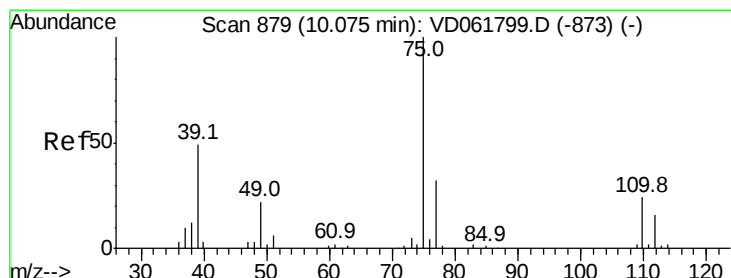
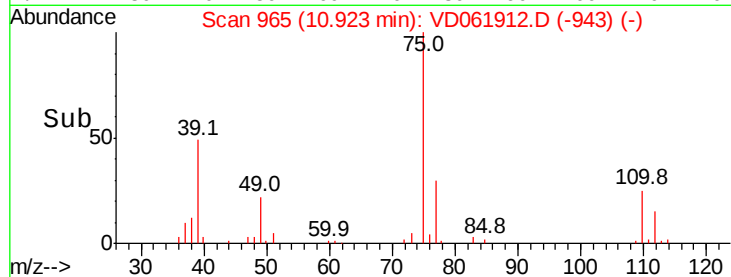
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 20.581 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

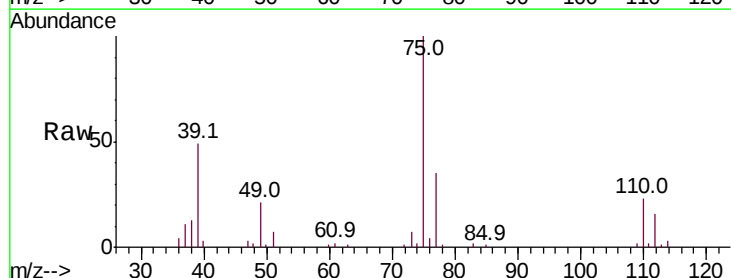
Tgt Ion: 75 Resp: 144053

Ion Ratio Lower Upper

75 100

77 34.7 25.5 38.3

39 49.1 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

80000

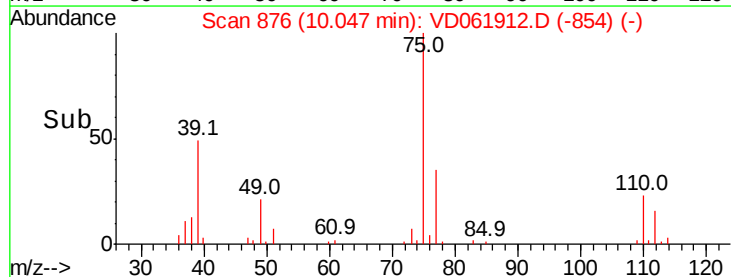
60000

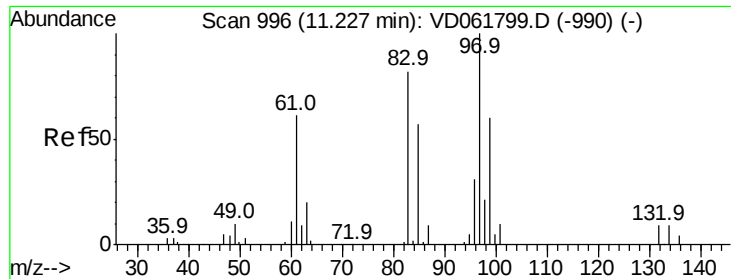
40000

20000

0

Time--> 10.00 10.10 10.20

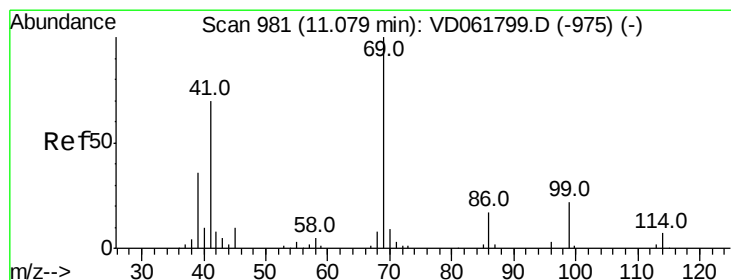
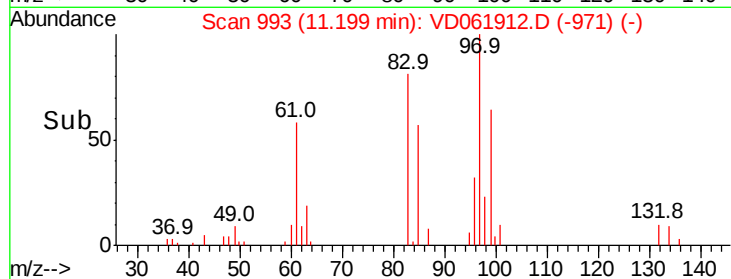
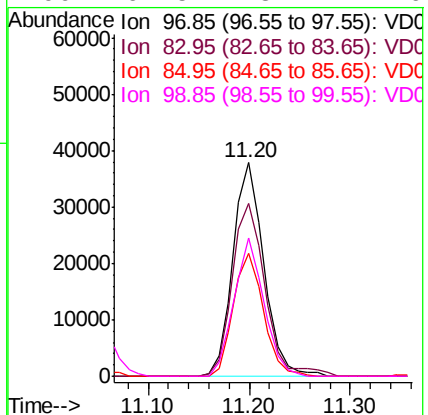
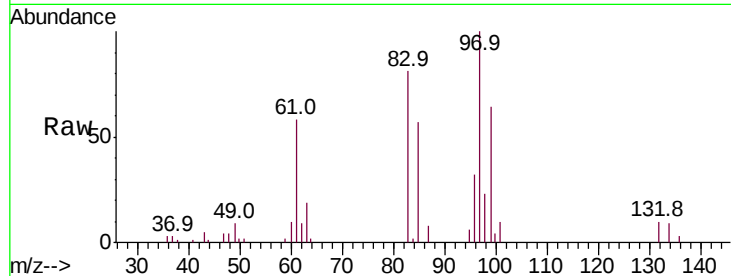




#55
1,1,2-Trichloroethane
Concen: 24.132 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

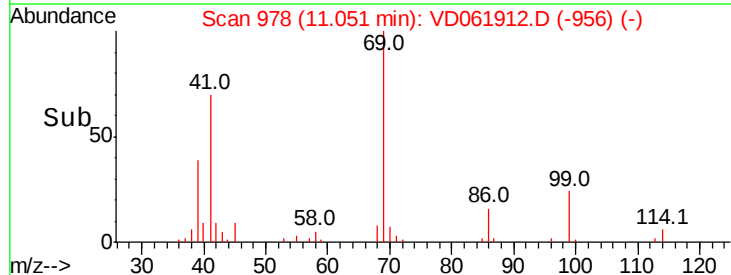
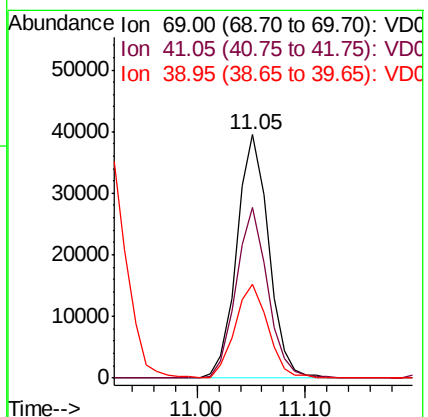
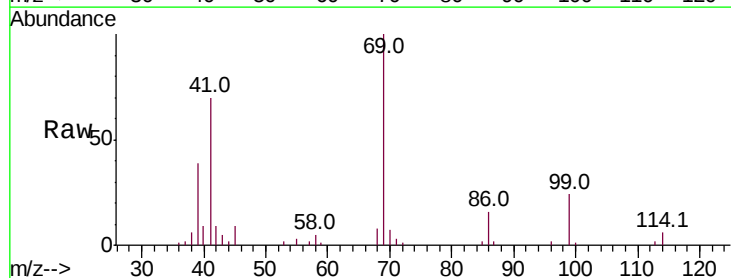
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

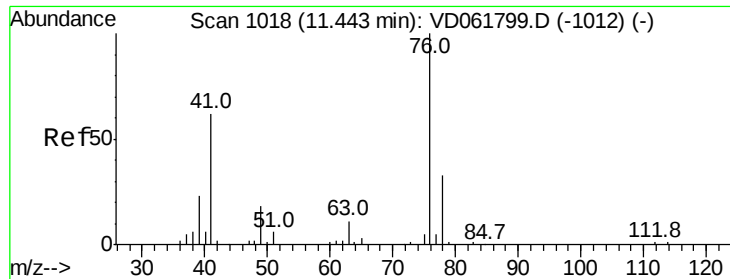
Tot Ion: 97 Resp: 80531
Ion Ratio Lower Upper
97 100
83 81.2 65.7 98.5
85 57.5 45.6 68.4
99 64.5 48.4 72.6



#56
Ethyl methacrylate
Concen: 22.142 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 69 Resp: 81100
Ion Ratio Lower Upper
69 100
41 70.0 56.3 84.5
39 38.5 29.4 44.2

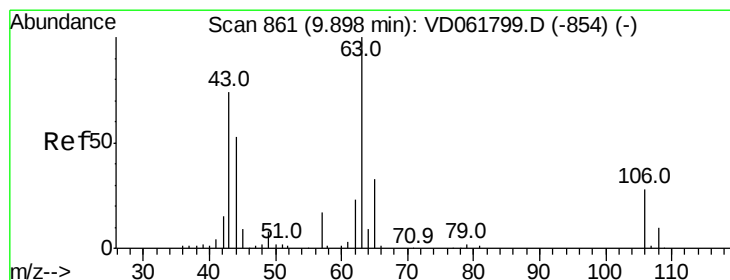
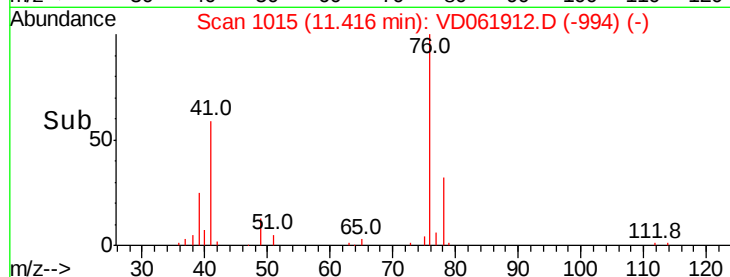
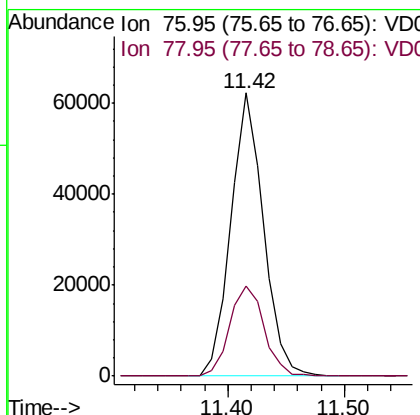
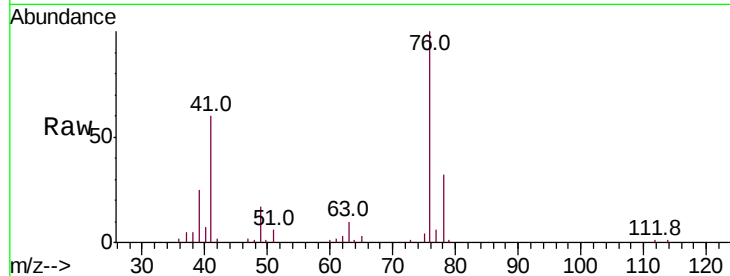




#57
 1,3-Dichloropropane
 Concen: 24.046 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

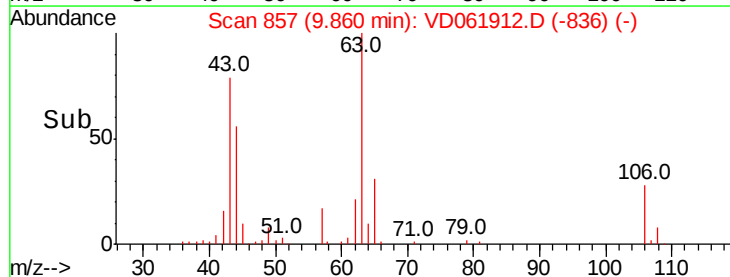
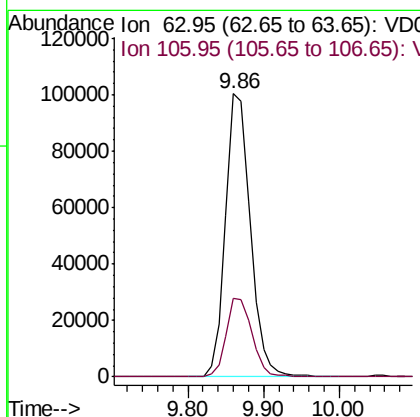
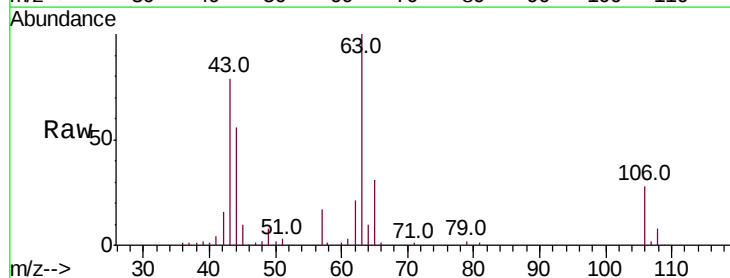
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

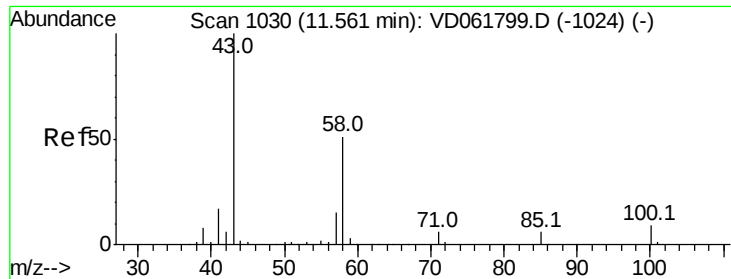
Tot Ion: 76 Resp: 120639
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 131.299 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 63 Resp: 228740
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.6 34.0

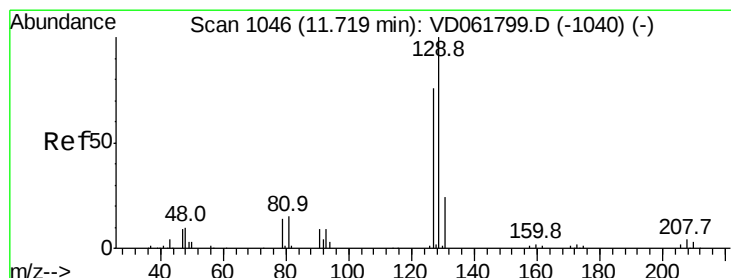
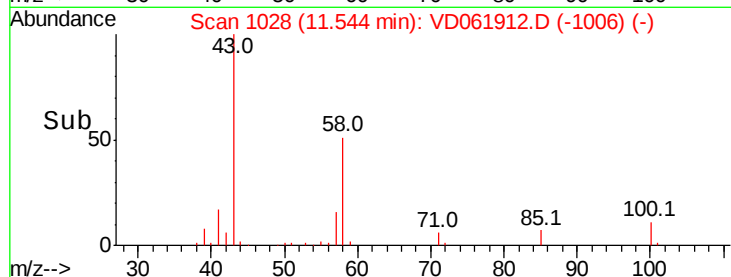
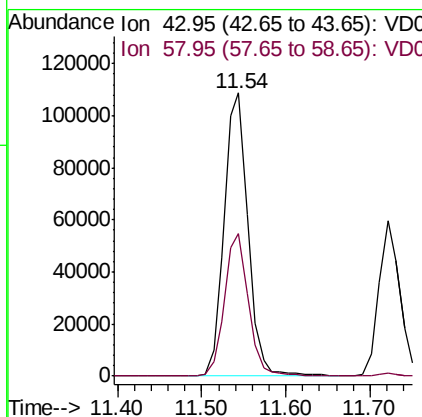
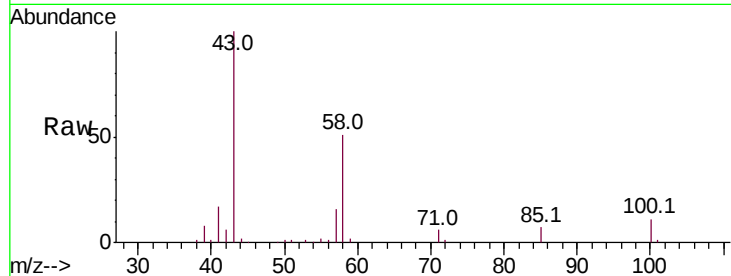




#59
2-Hexanone
Concen: 120.841 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

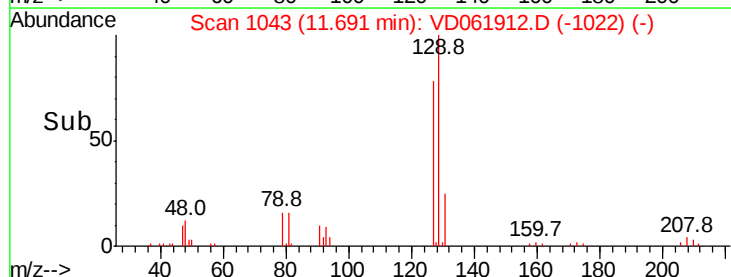
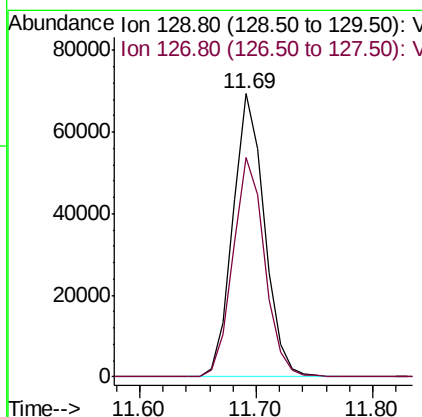
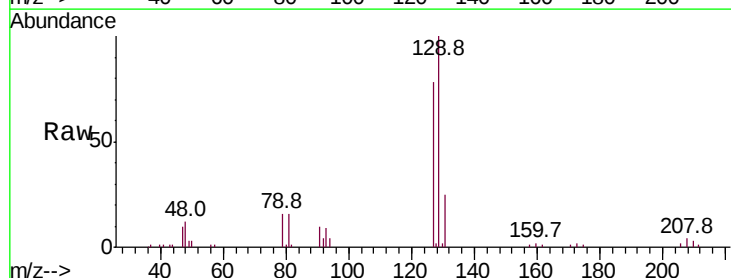
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

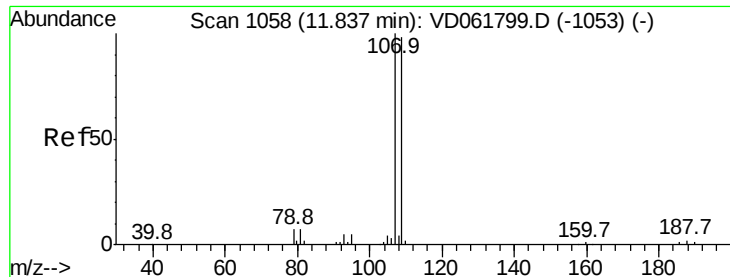
Tot Ion: 43 Resp: 212799
Ion Ratio Lower Upper
43 100
58 50.5 25.4 76.4



#60
Dibromochloromethane
Concen: 23.916 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 129 Resp: 130593
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9

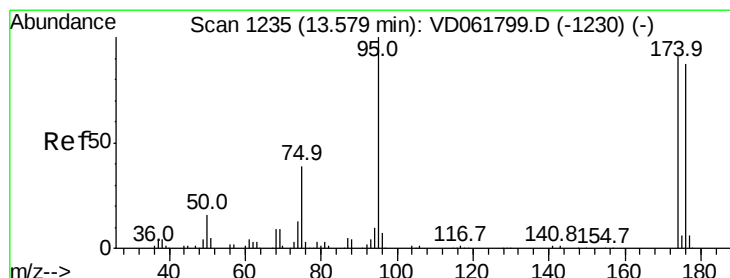
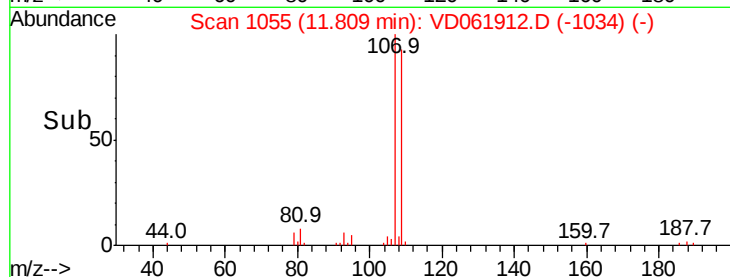
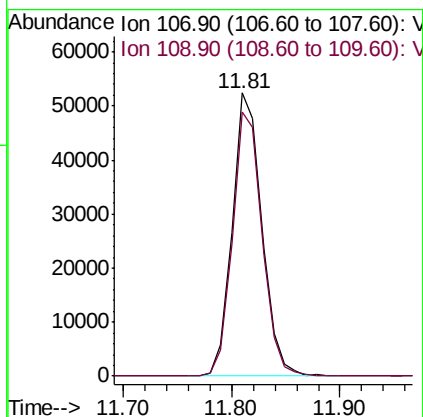
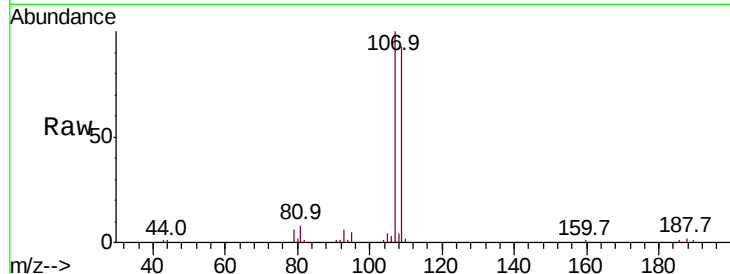




#61
 1,2-Dibromoethane
 Concen: 24.159 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

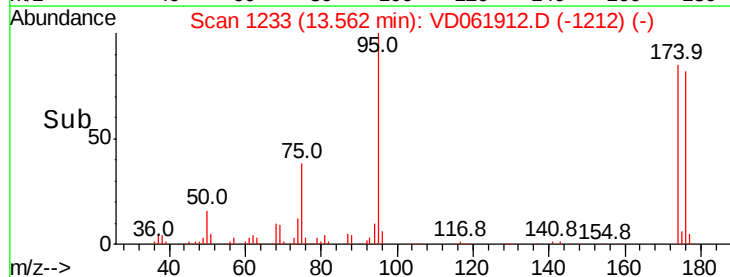
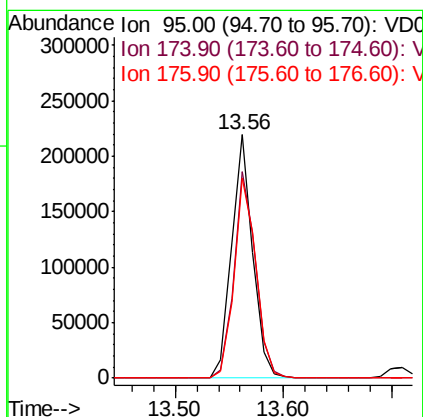
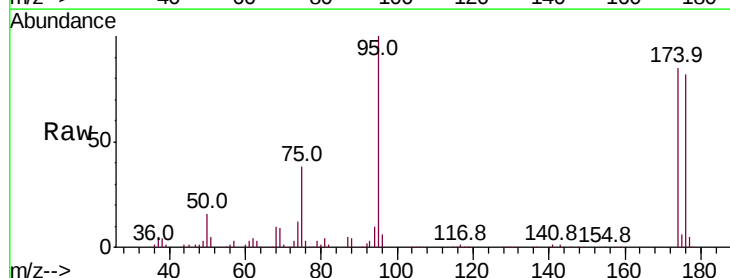
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

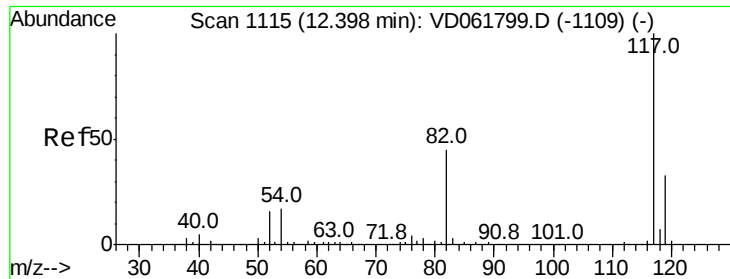
Tot Ion:107 Resp: 99136
 Ion Ratio Lower Upper
 107 100
 109 93.3 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 52.014 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 95 Resp: 297292
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 181.8
 176 82.1 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBSD01

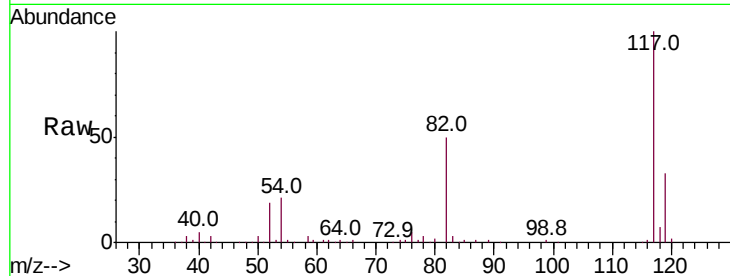
Tot Ion:117 Resp: 694394

Ion Ratio Lower Upper

117 100

82 49.7 36.2 54.2

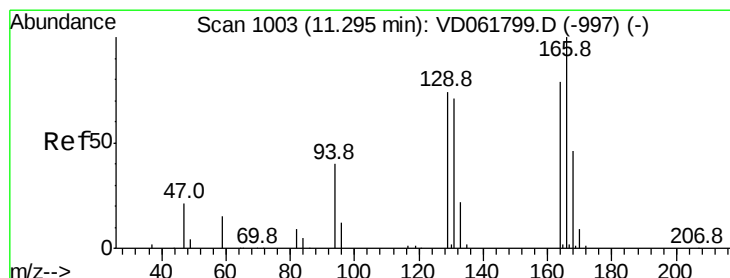
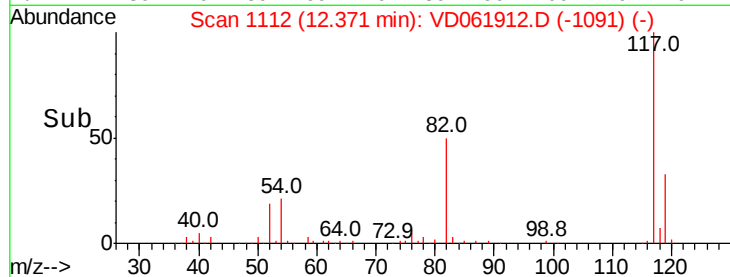
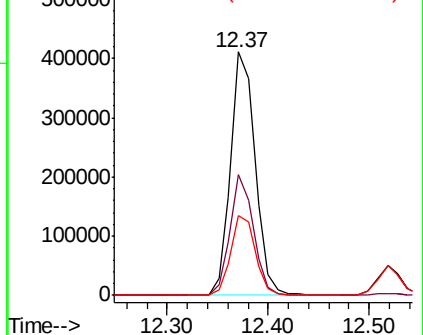
119 32.7 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 20.667 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Tgt Ion:164 Resp: 107627

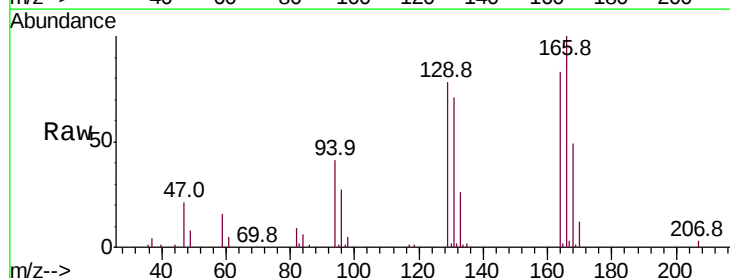
Ion Ratio Lower Upper

164 100

166 120.1 101.5 152.3

129 93.7 74.6 112.0

131 85.5 72.6 108.8

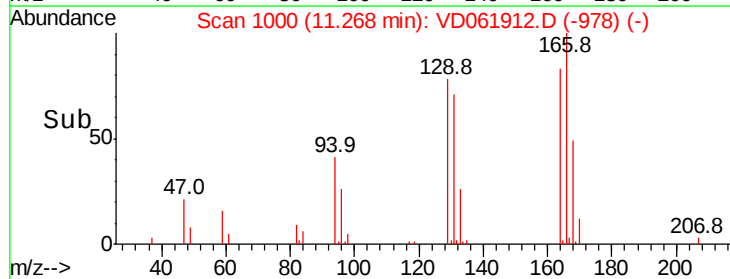
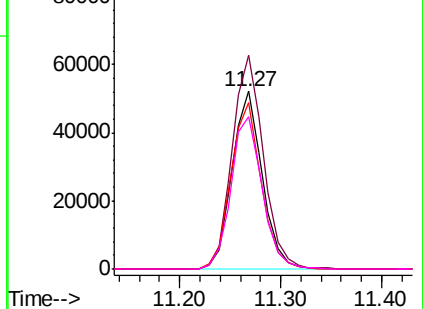


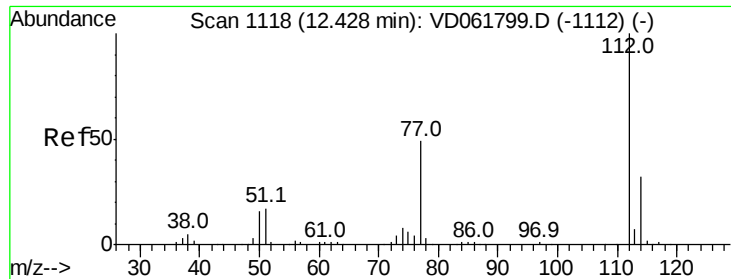
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

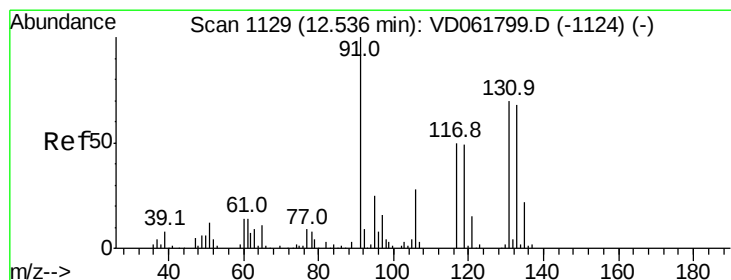
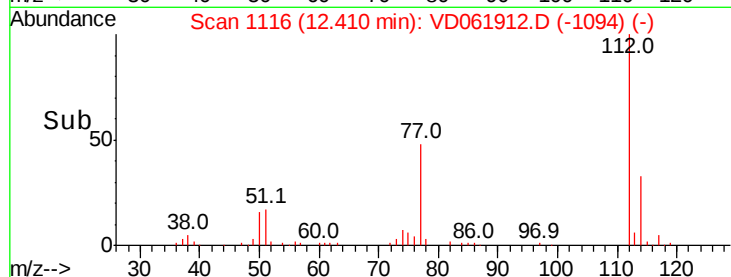
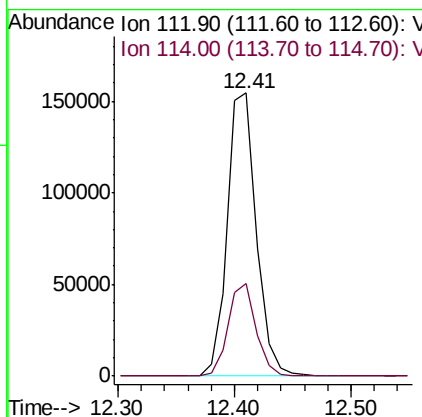
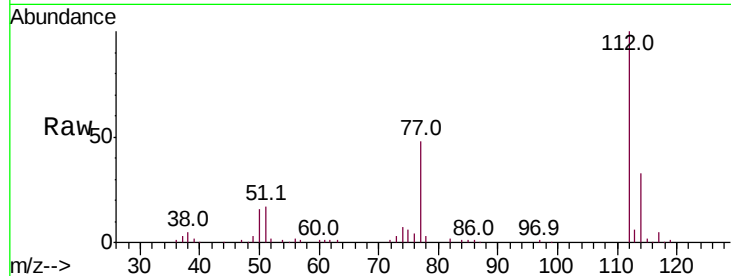




#65
Chlorobenzene
Concen: 20.578 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

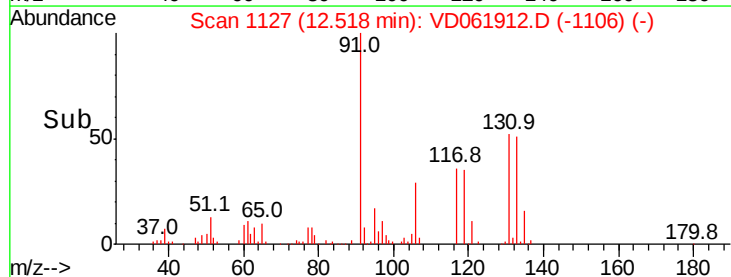
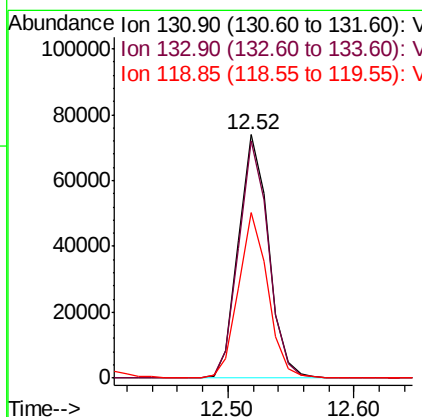
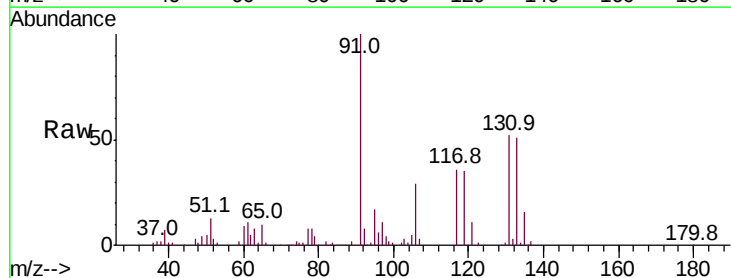
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

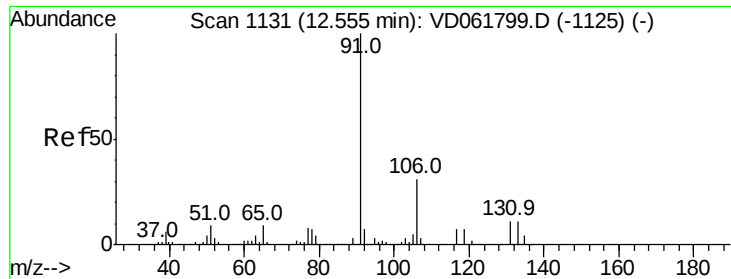
Tot Ion:112 Resp: 266115
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.525 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion:131 Resp: 122074
Ion Ratio Lower Upper
131 100
133 97.5 48.6 145.8
119 68.0 34.7 104.1

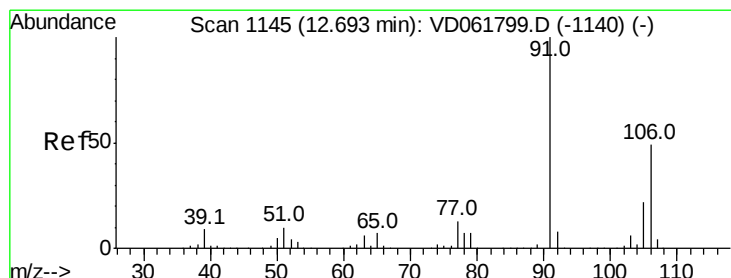
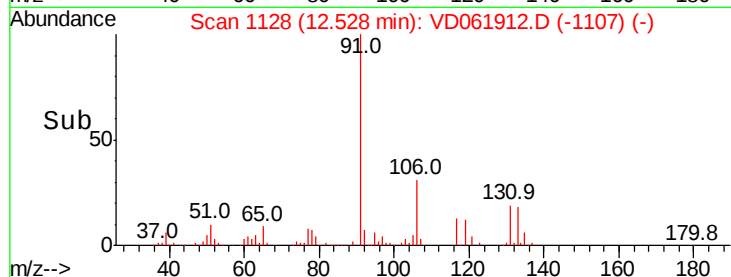
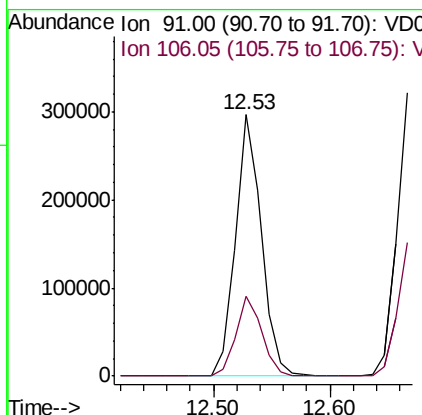
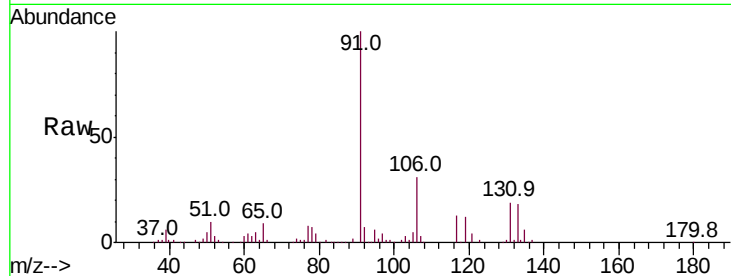




#67
Ethyl Benzene
Concen: 22.010 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

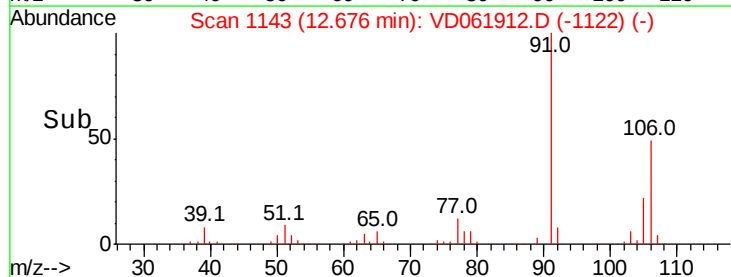
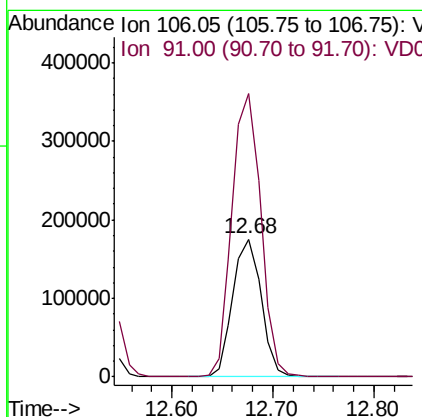
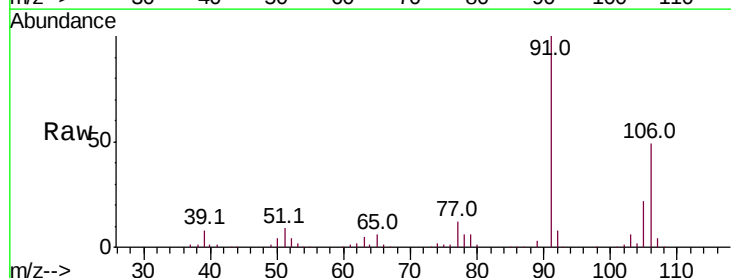
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

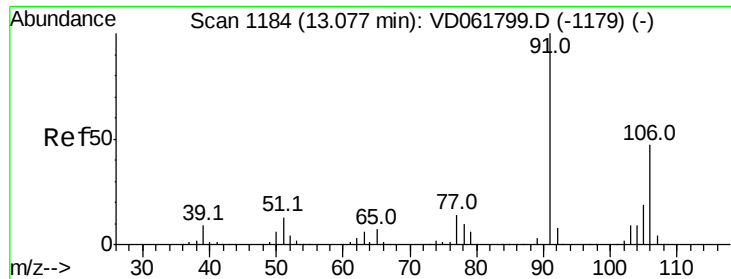
Tot Ion: 91 Resp: 455831
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 44.422 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 106 Resp: 345571
Ion Ratio Lower Upper
106 100
91 205.5 164.0 246.0

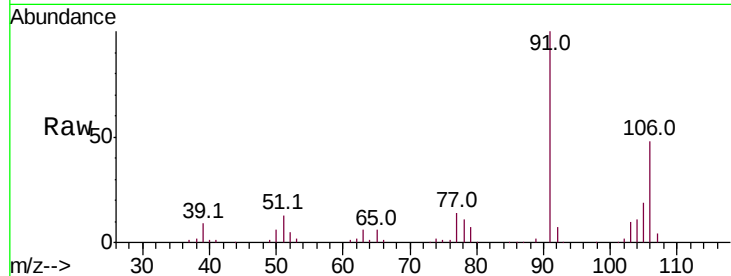




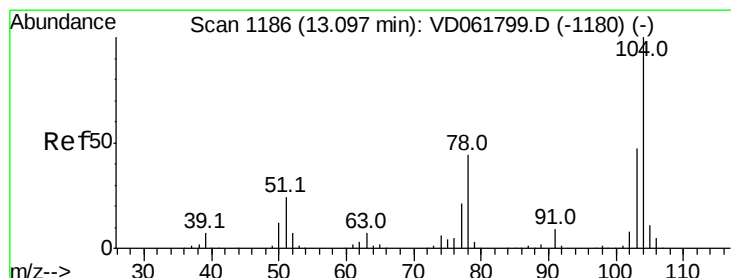
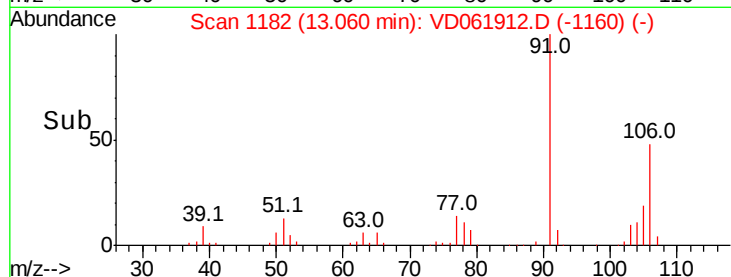
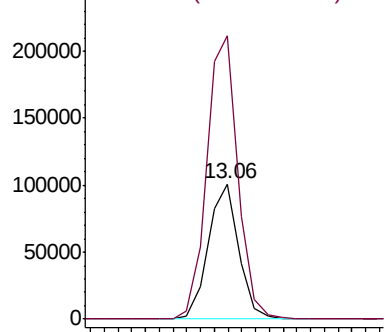
#69
o-Xylene
Concen: 21.176 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

Tot Ion:106 Resp: 154839
Ion Ratio Lower Upper
106 100
91 209.3 106.7 319.9

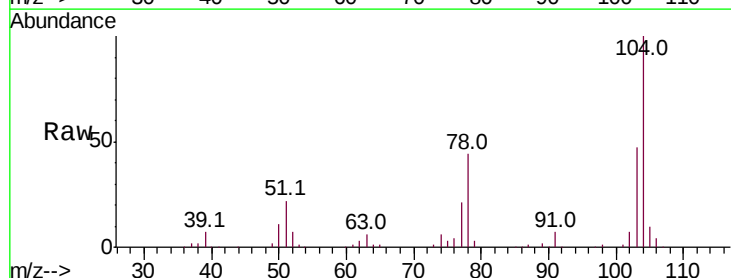


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

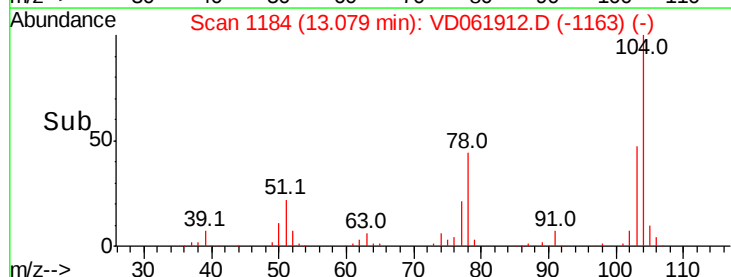
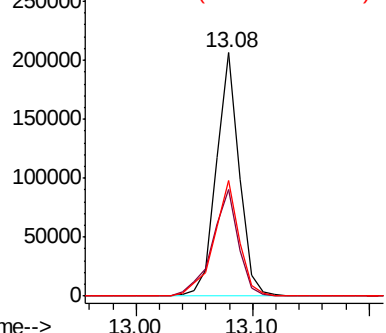


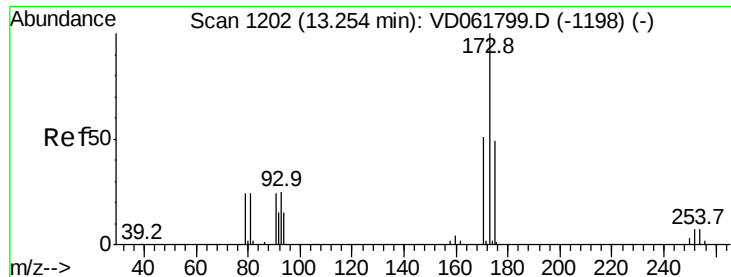
#70
Styrene
Concen: 22.335 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion:104 Resp: 281030
Ion Ratio Lower Upper
104 100
78 43.8 35.4 53.2
103 47.2 37.5 56.3



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: 21.608 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBS01

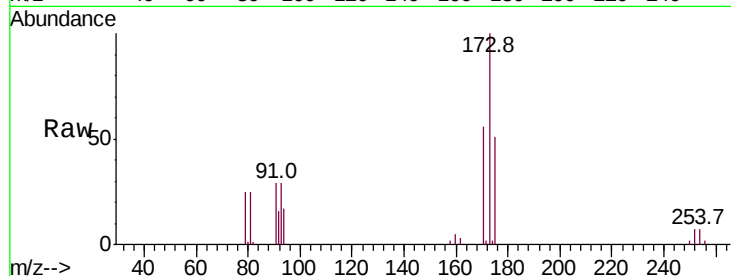
Tot Ion:173 Resp: 69509

Ion Ratio Lower Upper

173 100

175 50.6 24.4 73.4

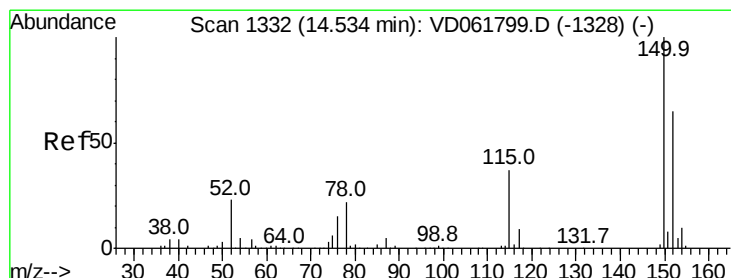
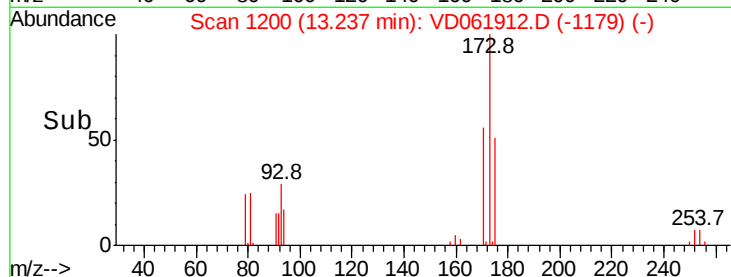
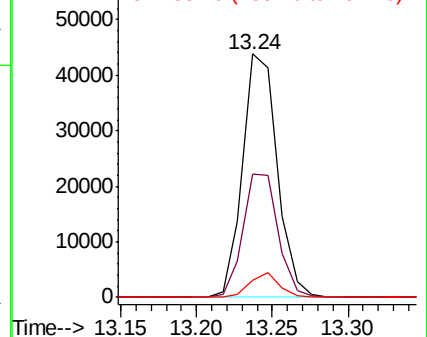
254 6.9 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

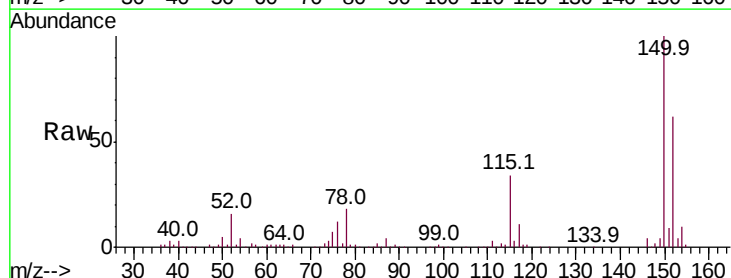
Tgt Ion:152 Resp: 322294

Ion Ratio Lower Upper

152 100

115 55.1 30.9 92.7

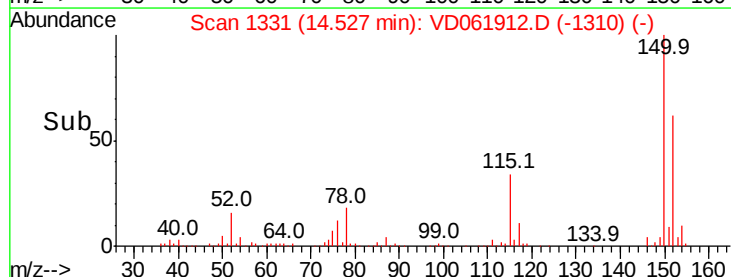
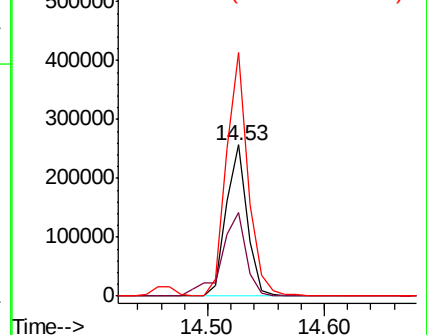
150 160.9 0.0 314.8

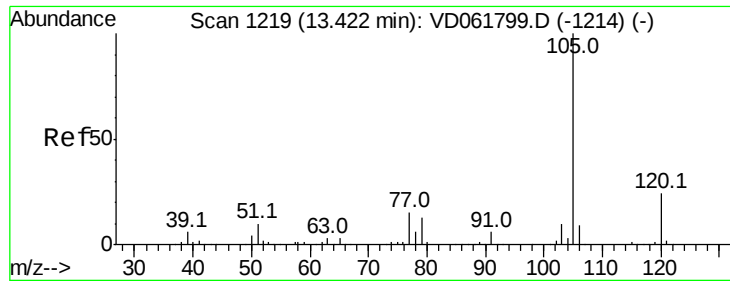


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.264 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

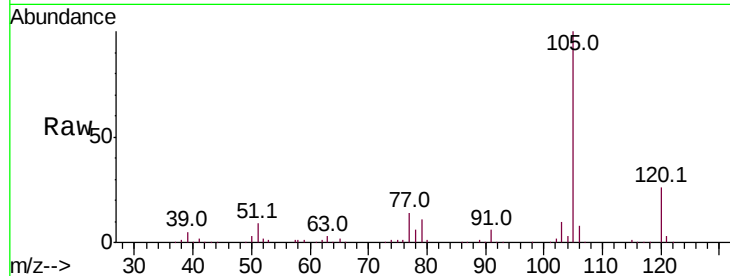
VD0419SBS01

Tot Ion:105 Resp: 423546

Ion Ratio Lower Upper

105 100

120 25.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

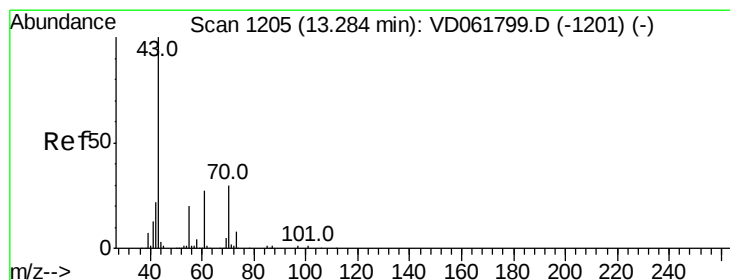
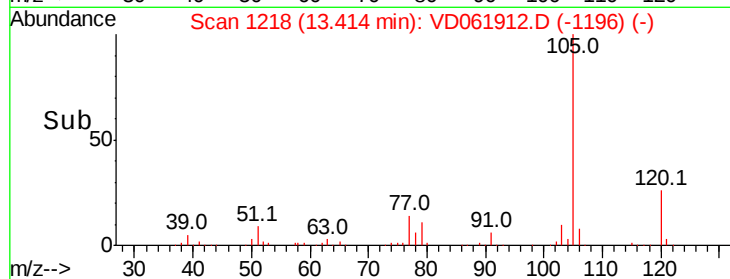
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 22.432 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Tgt Ion: 43 Resp: 126081

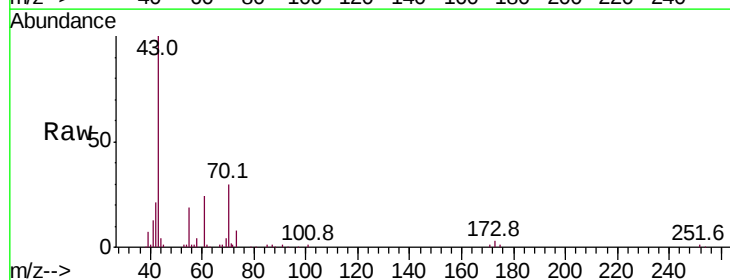
Ion Ratio Lower Upper

43 100

70 29.6 24.2 36.4

55 19.2 16.0 24.0

61 24.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

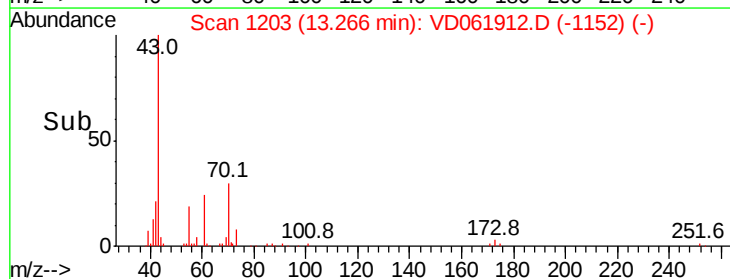
Ion 60.95 (60.65 to 61.65): V

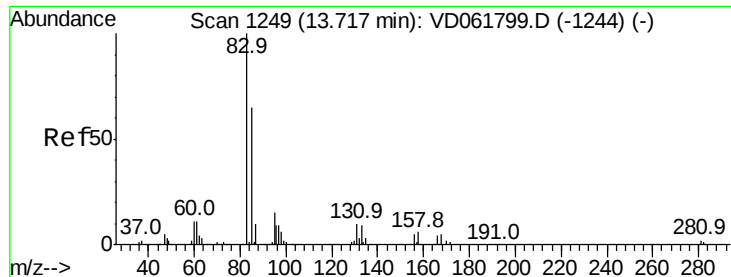
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.272 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBSD01

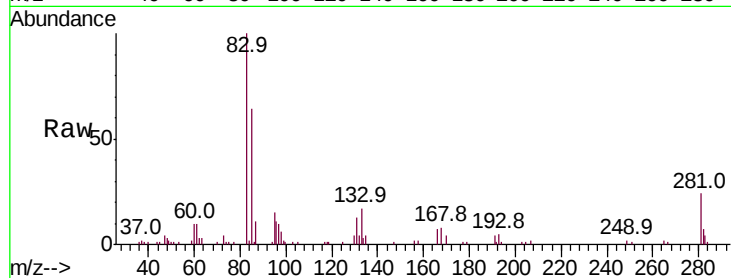
Tot Ion: 83 Resp: 92021

Ion Ratio Lower Upper

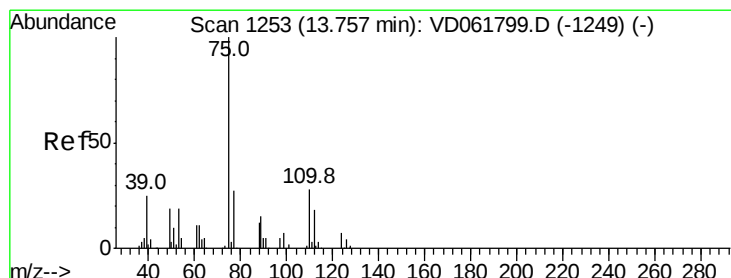
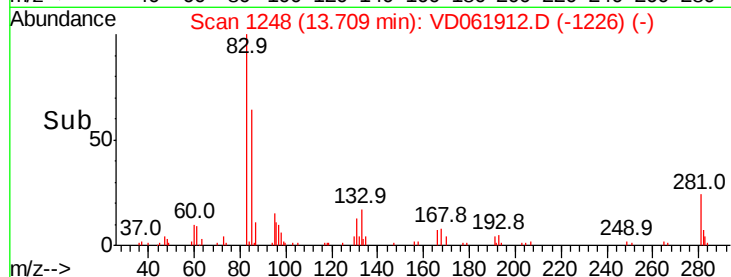
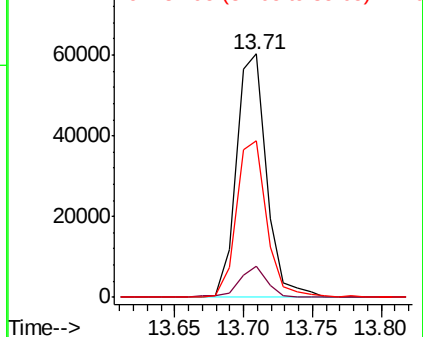
83 100

131 12.6 5.0 14.9

85 64.5 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.482 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061912.D

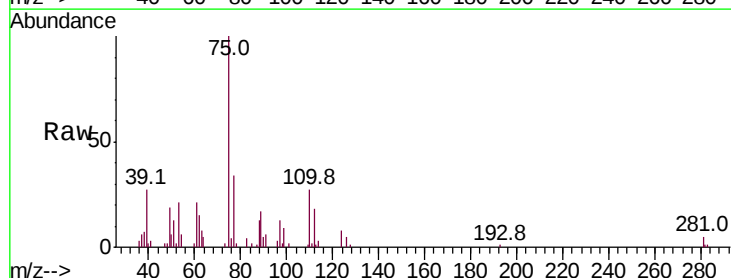
Acq: 19 Apr 2019 16:12

Tgt Ion: 75 Resp: 90923

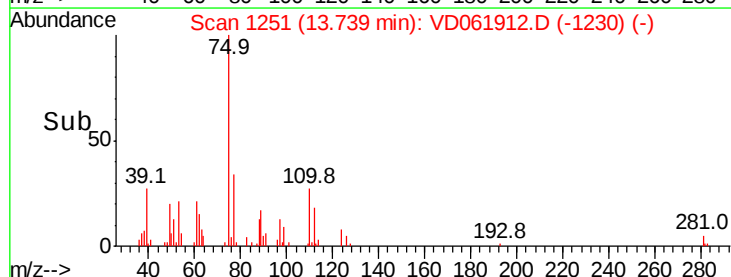
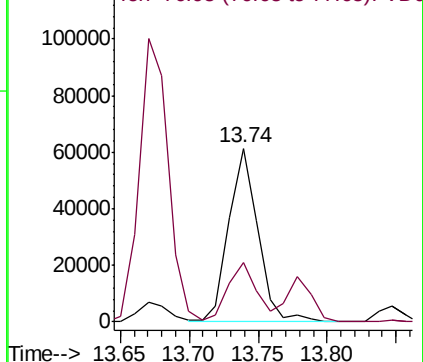
Ion Ratio Lower Upper

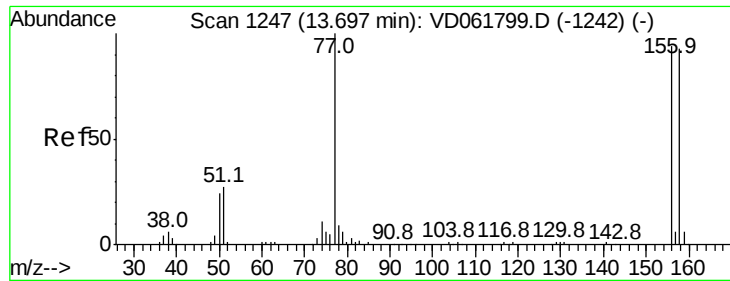
75 100

77 33.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.797 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBSD01

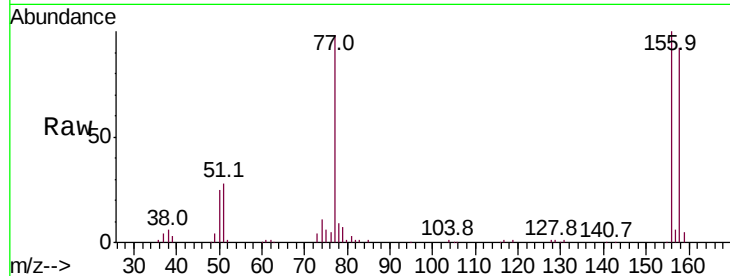
Tot Ion:156 Resp: 123482

Ion Ratio Lower Upper

156 100

77 97.9 53.1 159.4

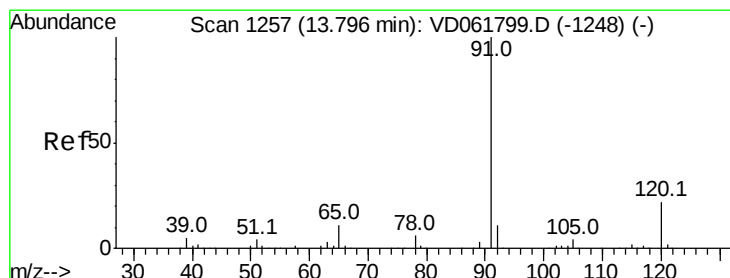
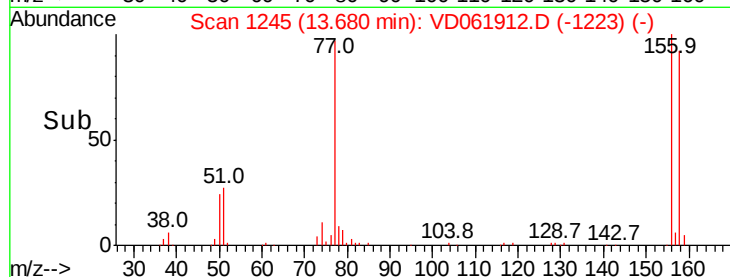
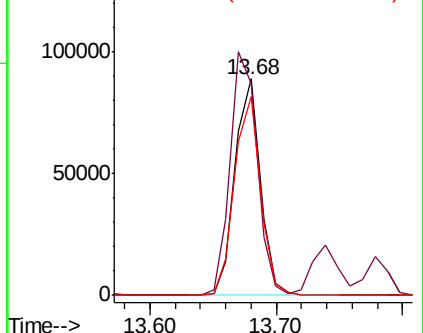
158 91.9 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.054 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061912.D

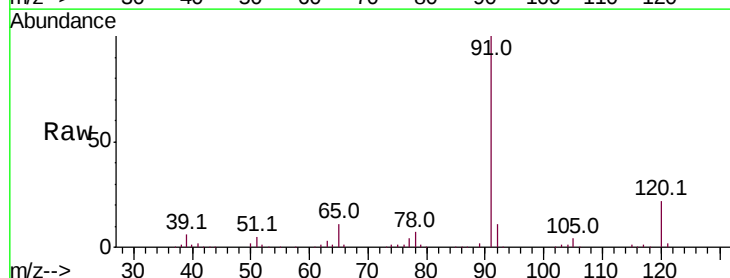
Acq: 19 Apr 2019 16:12

Tgt Ion: 91 Resp: 532582

Ion Ratio Lower Upper

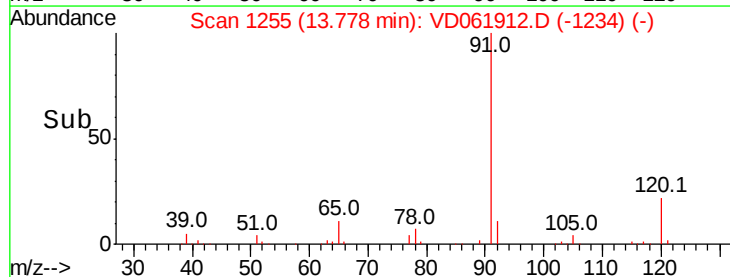
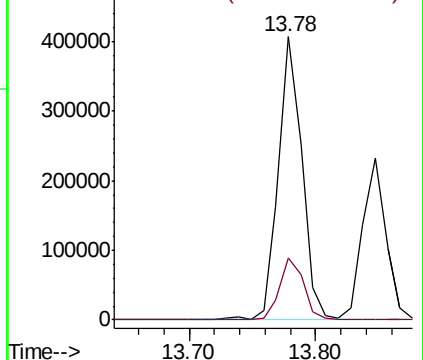
91 100

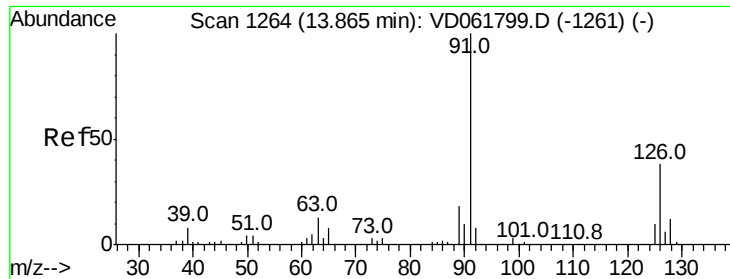
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

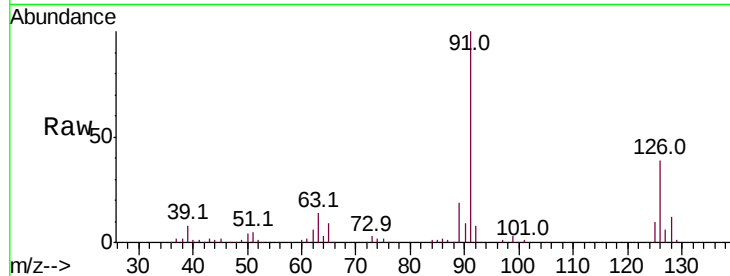




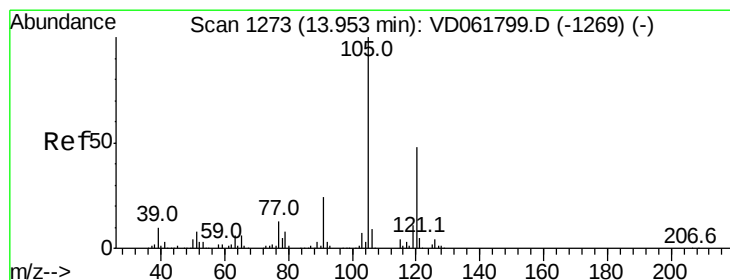
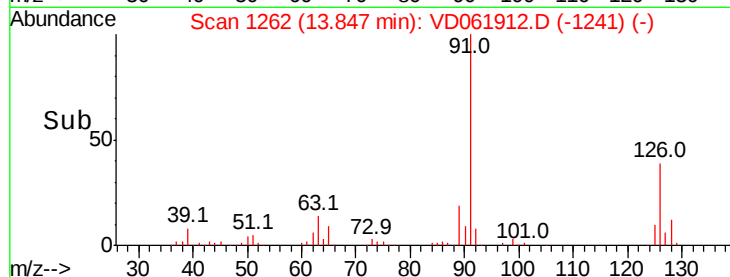
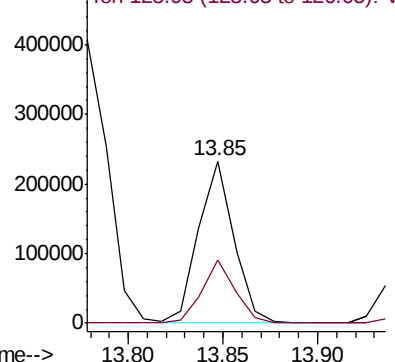
#79
 2-Chlorotoluene
 Concen: 21.327 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

Tot Ion: 91 Resp: 300859
 Ion Ratio Lower Upper
 91 100
 126 38.8 18.6 55.8

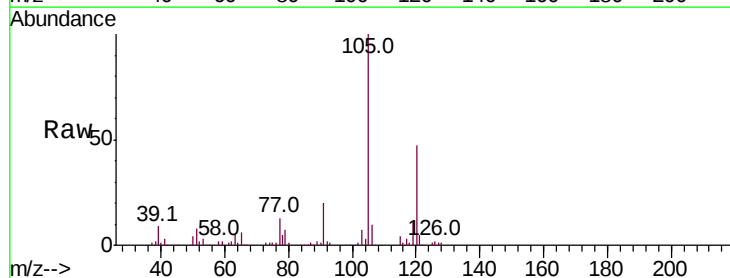


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

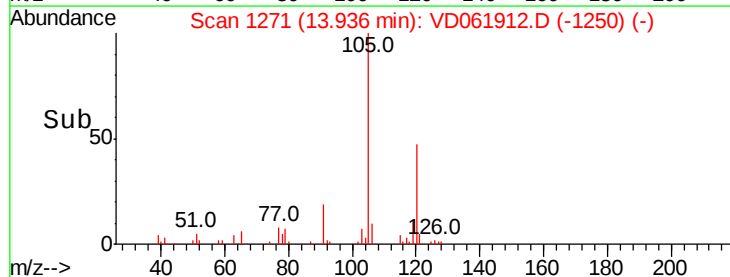
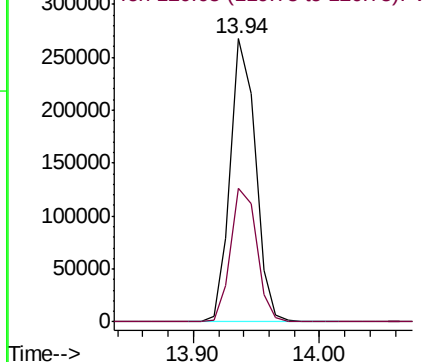


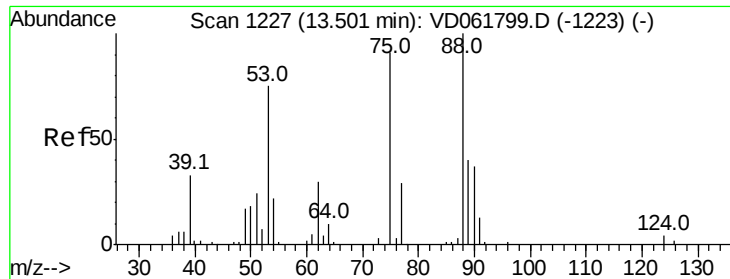
#80
 1,3,5-Trimethylbenzene
 Concen: 22.297 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion:105 Resp: 369794
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.0 72.0



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

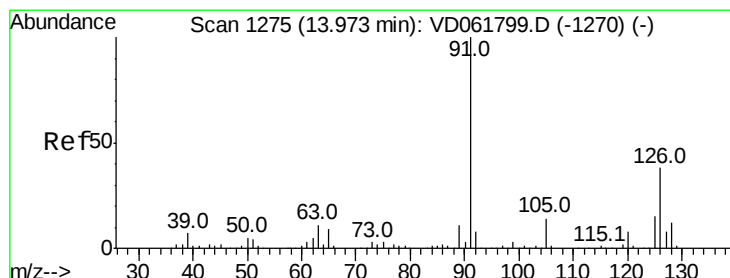
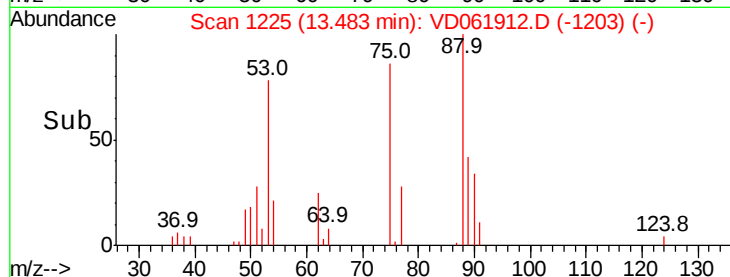
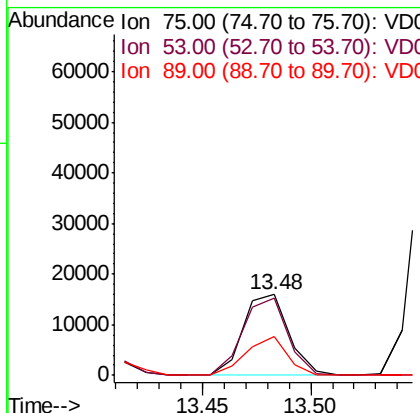
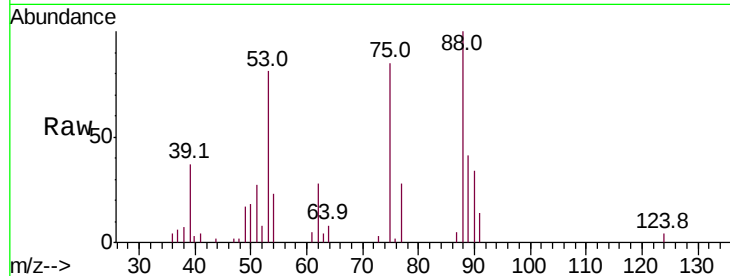




#81
trans-1,4-Dichloro-2-butene
Concen: 19.540 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

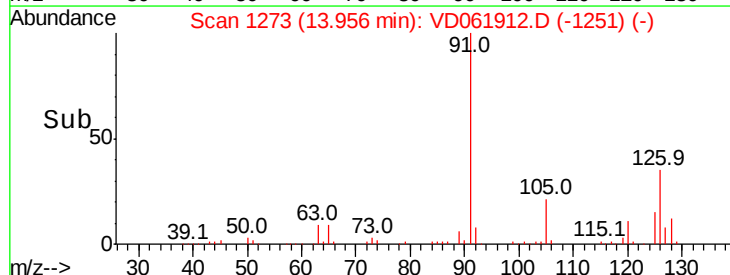
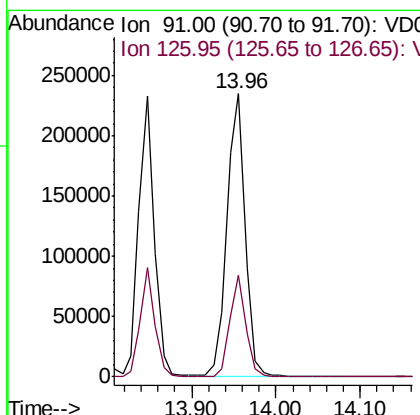
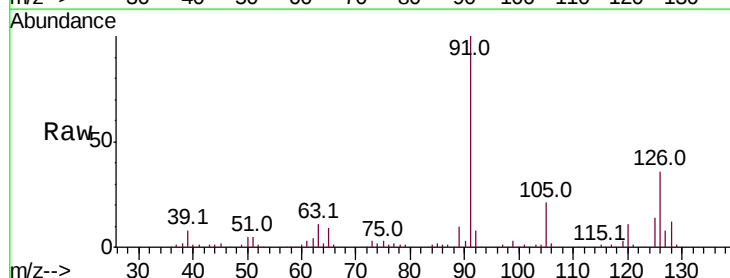
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

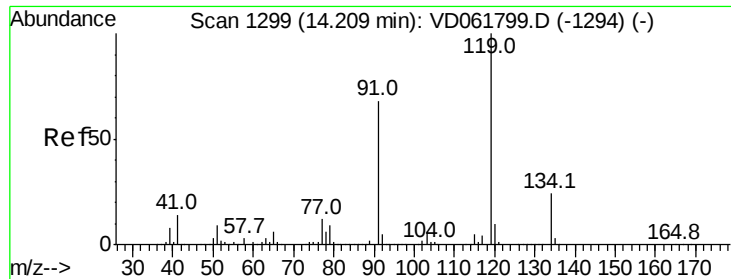
Tot Ion: 75 Resp: 23832
Ion Ratio Lower Upper
75 100
53 95.0 65.8 98.8
89 48.6 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.688 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion: 91 Resp: 350208
Ion Ratio Lower Upper
91 100
126 36.1 19.1 57.5

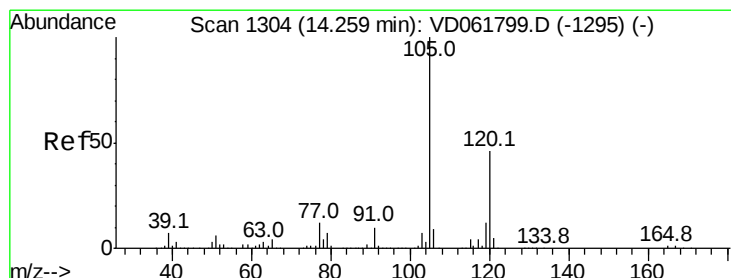
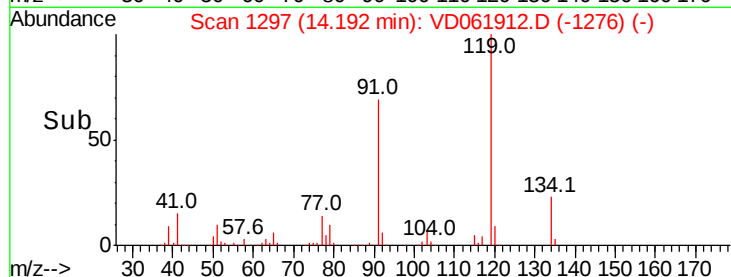
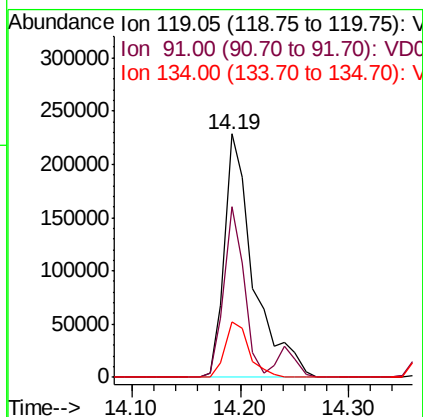
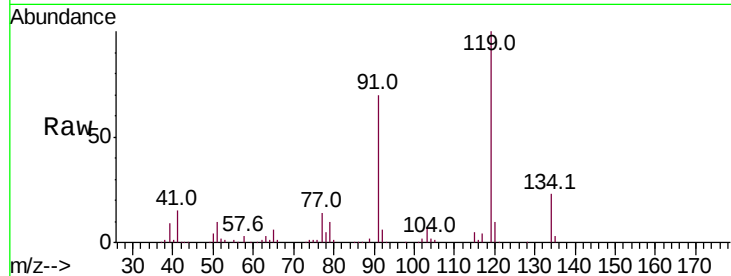




#83
tert-Butylbenzene
Concen: 22.044 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

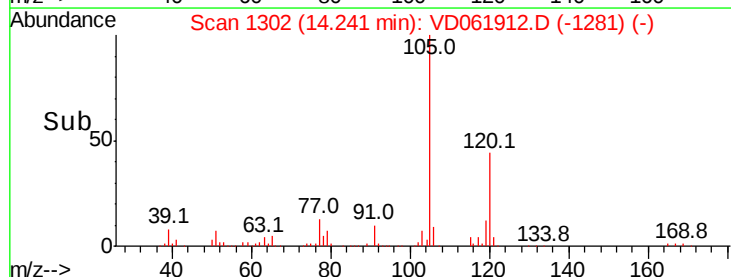
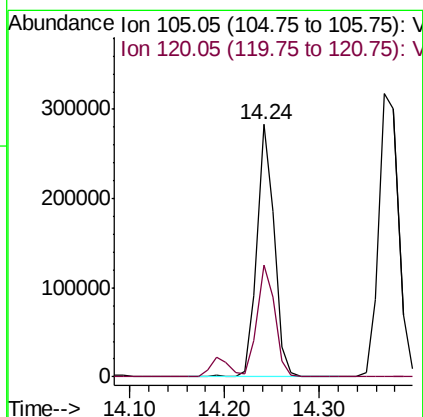
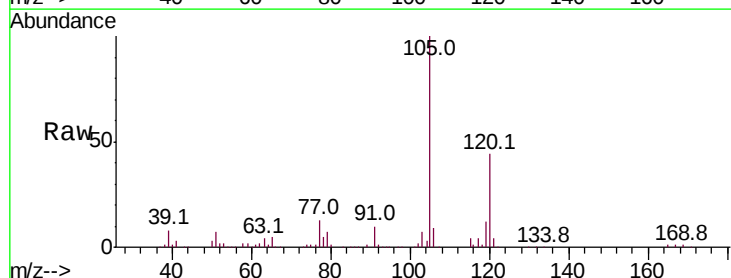
Instrument :
MSVOA_D
ClientSampleId :
VD0419SBS01

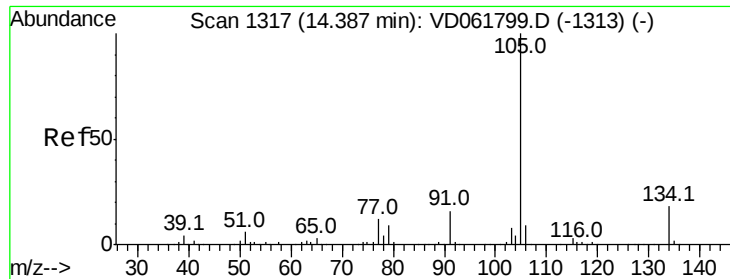
Tot Ion:119 Resp: 429274
Ion Ratio Lower Upper
119 100
91 70.2 34.2 102.6
134 22.8 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 21.626 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion:105 Resp: 360527
Ion Ratio Lower Upper
105 100
120 44.1 23.1 69.2

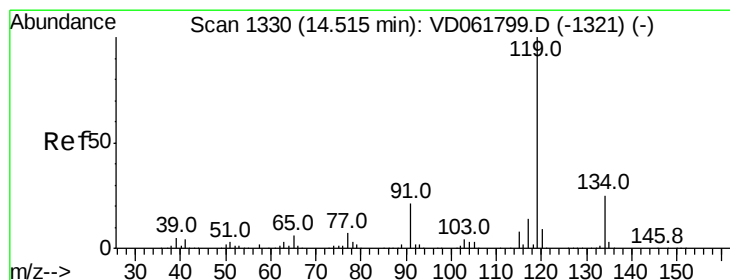
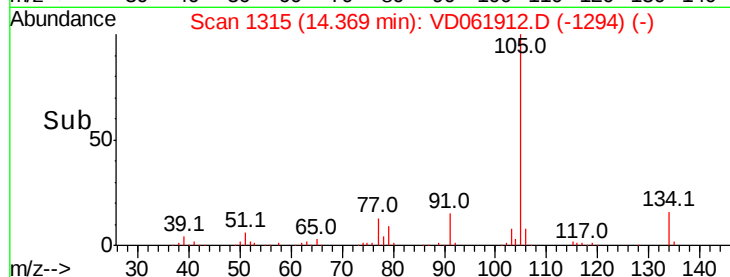
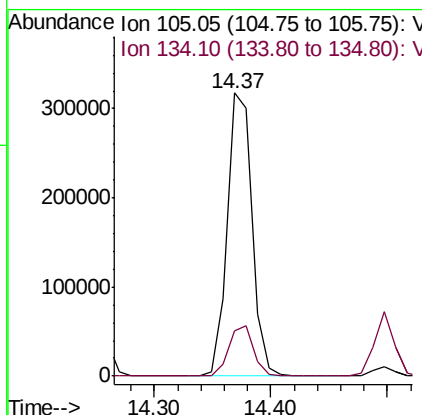
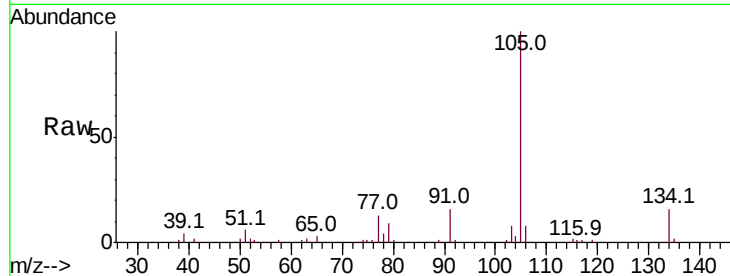




#85
 sec-Butylbenzene
 Concen: 23.269 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

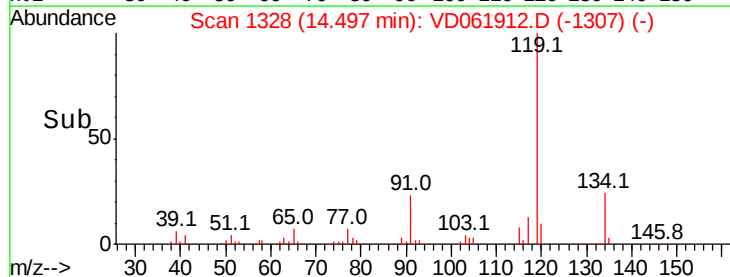
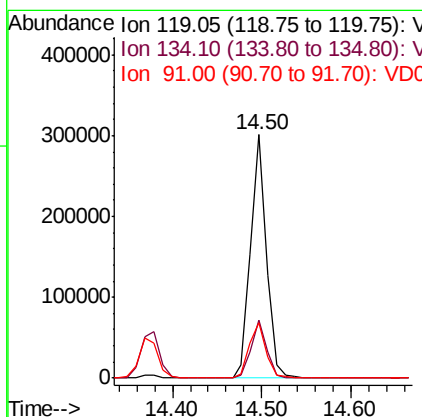
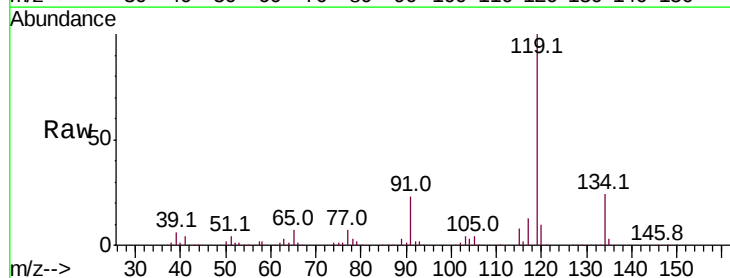
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

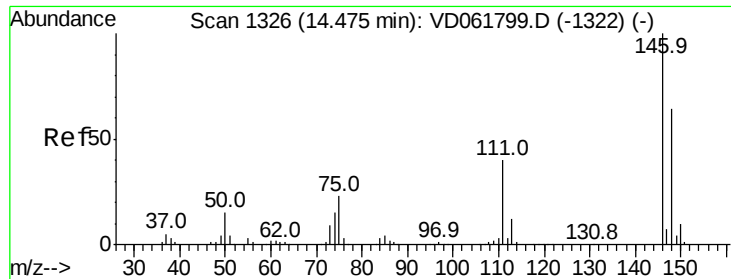
Tot Ion:105 Resp: 468432
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.526 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion:119 Resp: 367787
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.8 38.3
 91 22.7 10.7 32.1

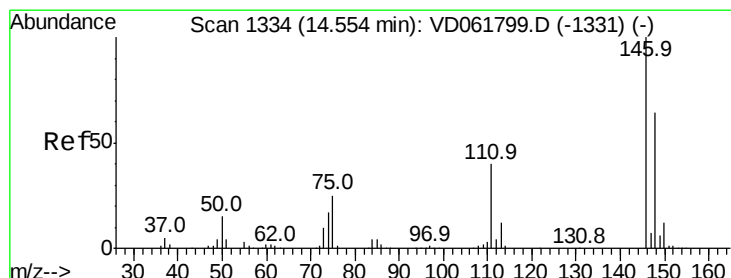
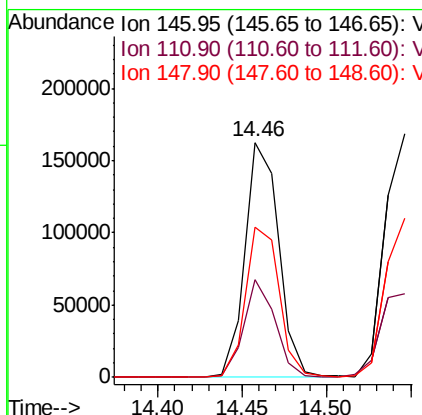
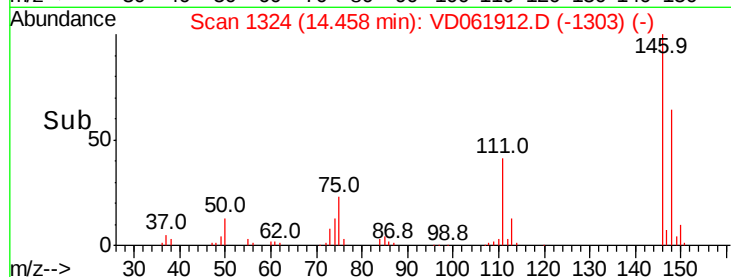
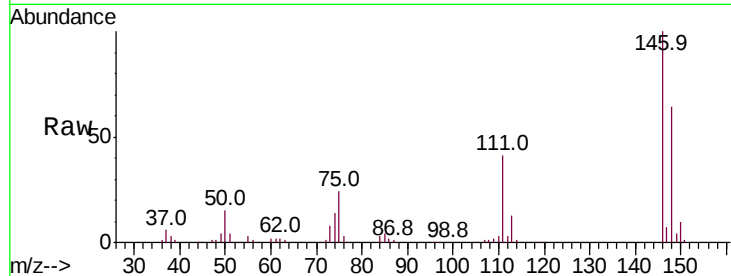




#87
 1,3-Dichlorobenzene
 Concen: 21.772 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

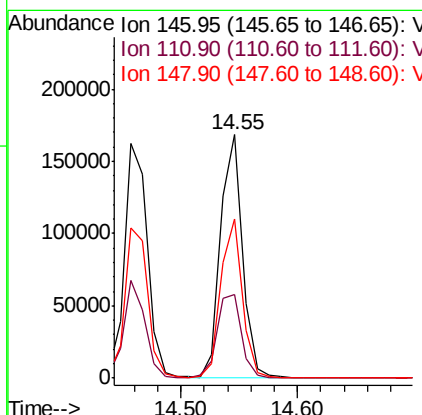
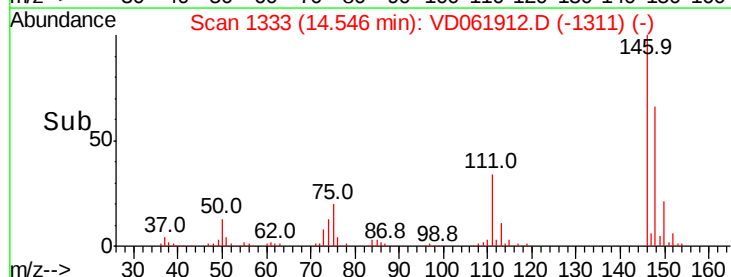
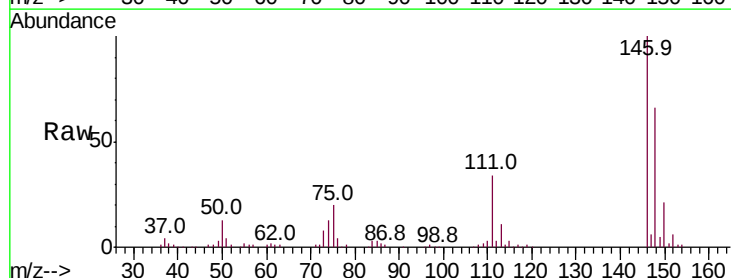
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

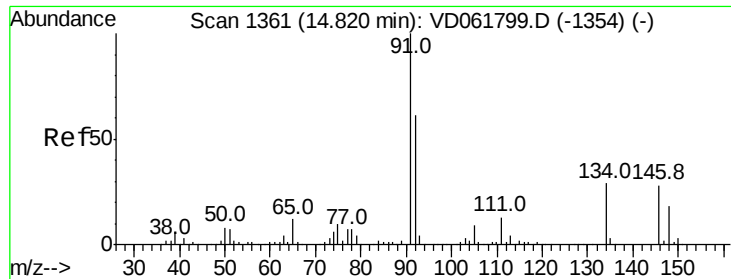
Tot Ion:146 Resp: 225675
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.583 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion:146 Resp: 221140
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.2 60.5
 148 65.6 32.0 96.2





#89

n-Butylbenzene

Concen: 20.803 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061912.D

Acq: 19 Apr 2019 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD0419SBSD01

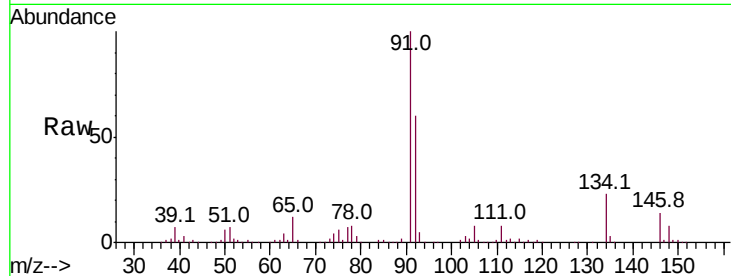
Tot Ion: 91 Resp: 346841

Ion Ratio Lower Upper

91 100

92 59.8 30.3 91.0

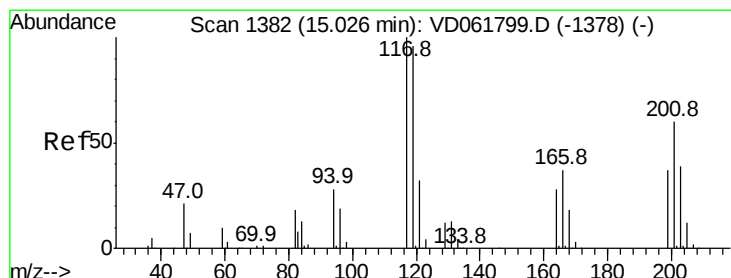
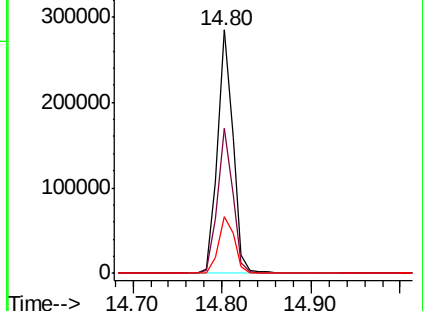
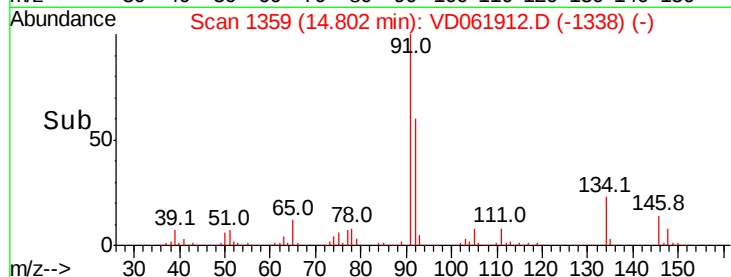
134 23.2 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.634 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061912.D

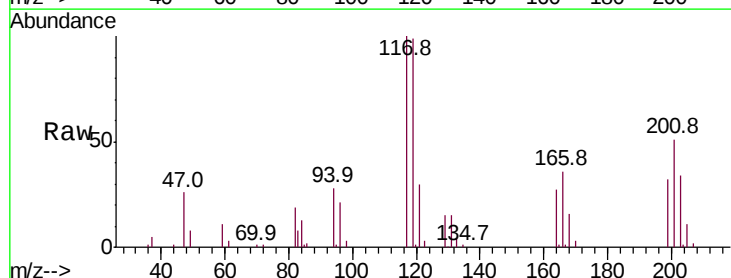
Acq: 19 Apr 2019 16:12

Tgt Ion: 117 Resp: 111067

Ion Ratio Lower Upper

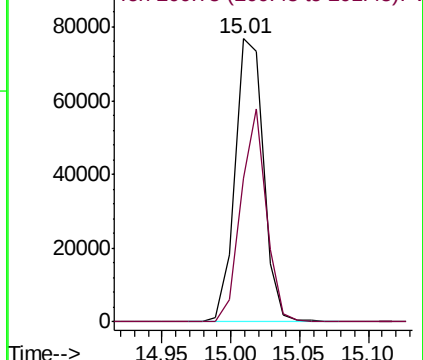
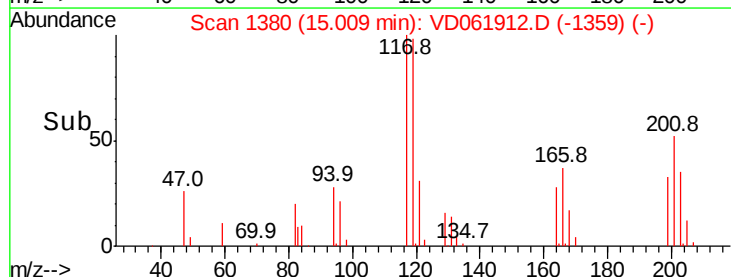
117 100

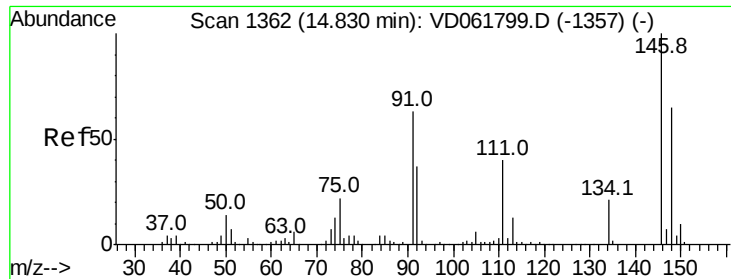
201 50.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

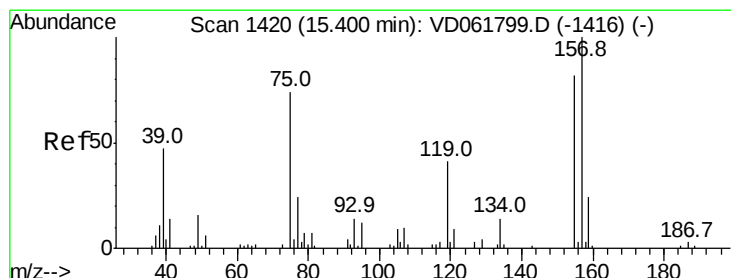
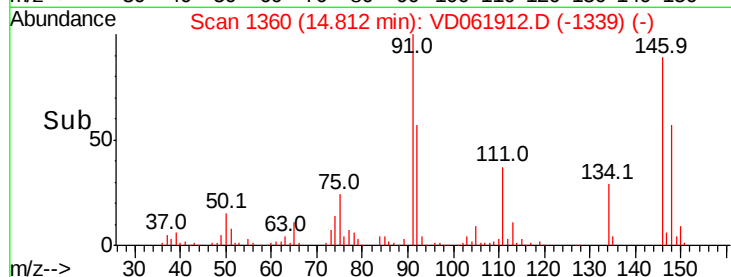
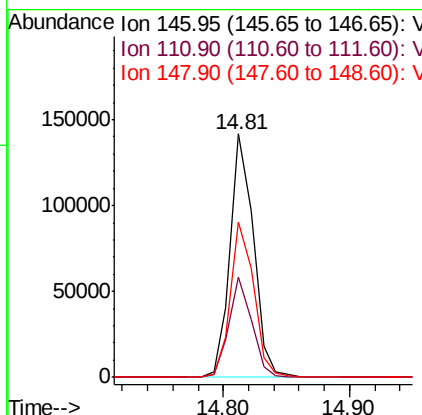
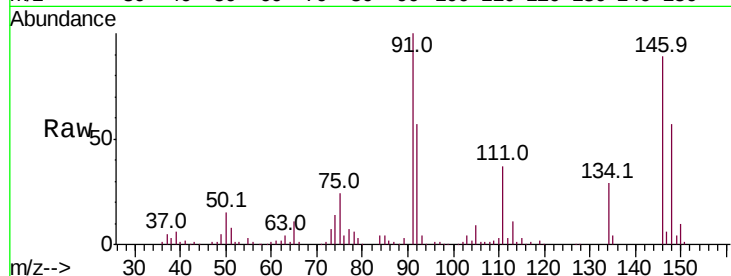




#91
 1,2-Dichlorobenzene
 Concen: 20.833 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

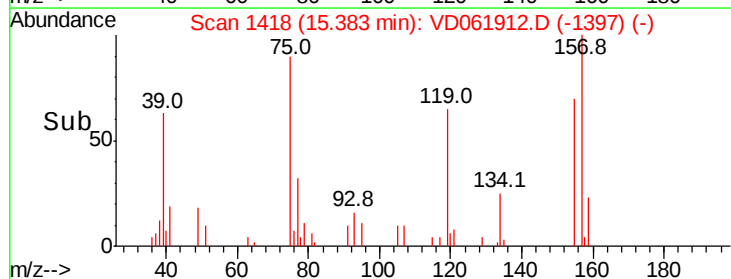
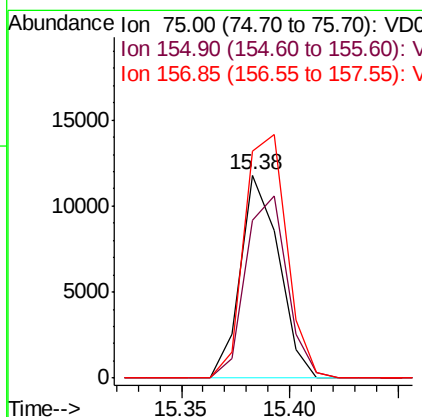
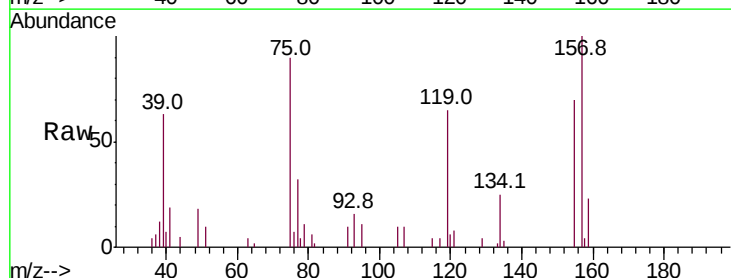
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

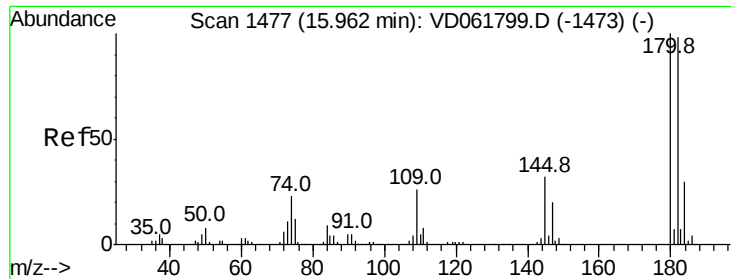
Tot Ion:146 Resp: 180880
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 59.9
 148 64.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.286 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion: 75 Resp: 14538
 Ion Ratio Lower Upper
 75 100
 155 77.7 55.3 165.8
 157 111.4 67.8 203.2

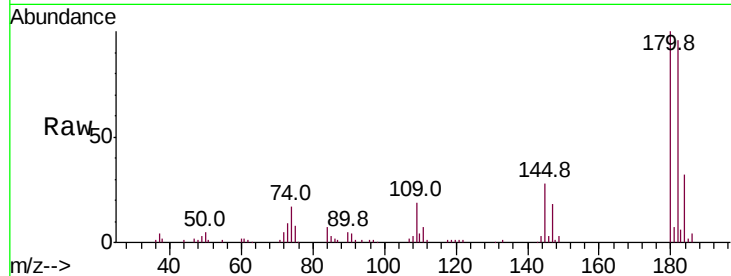




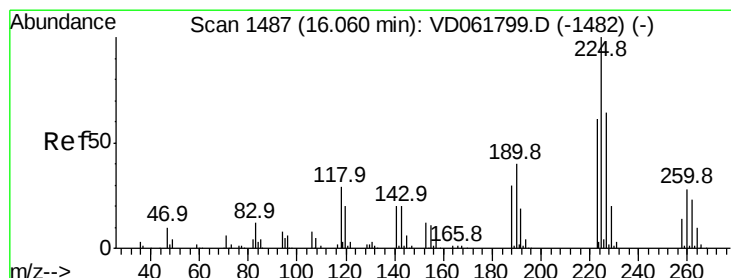
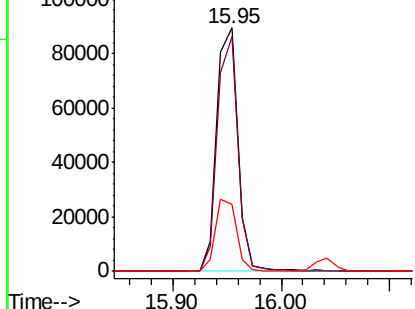
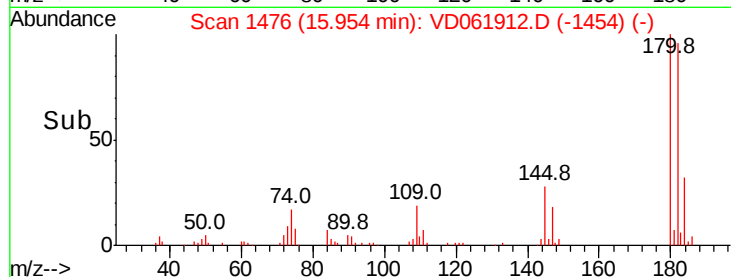
#93
 1,2,4-Trichlorobenzene
 Concen: 25.609 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	49.3	147.8
145	27.6	16.2	48.6

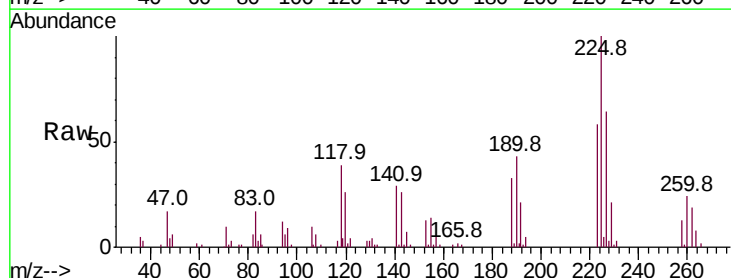


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

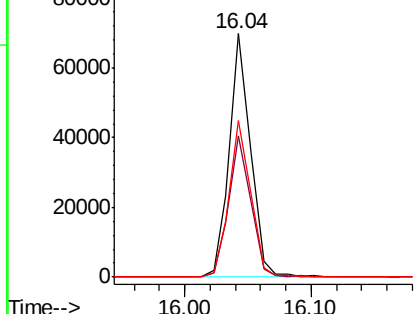
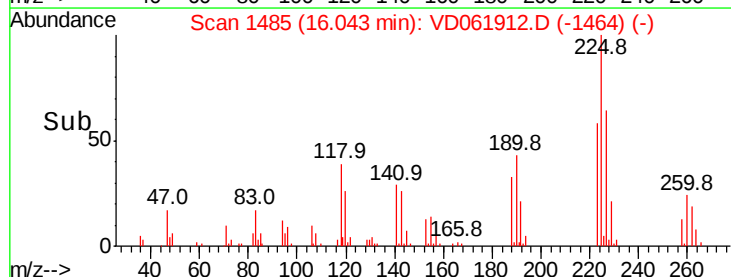


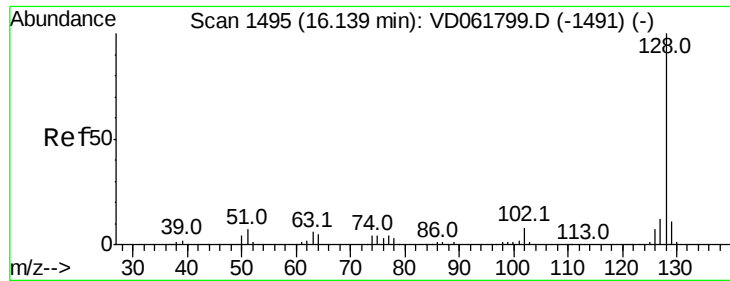
#94
 Hexachlorobutadiene
 Concen: 23.473 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061912.D
 Acq: 19 Apr 2019 16:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.1	30.6	92.0
227	64.3	32.0	96.2



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

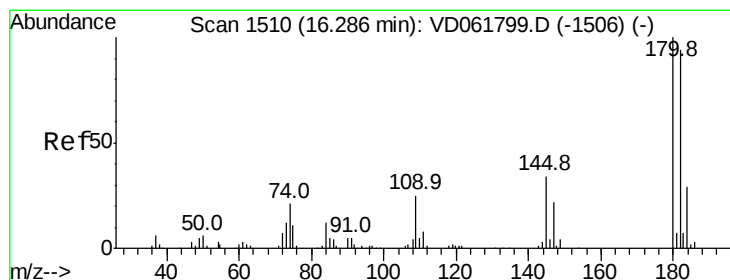
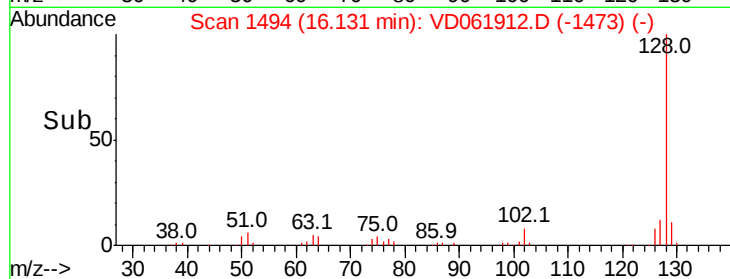
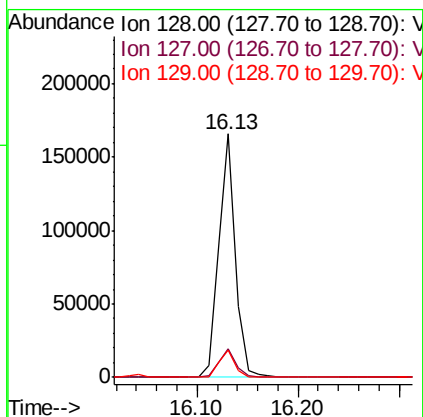
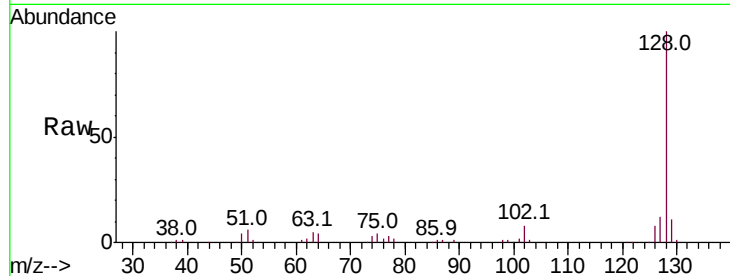




#95
Naphthalene
Concen: 26.323 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD0419SBSD01

Tot Ion:128 Resp: 192400
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 28.169 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061912.D
Acq: 19 Apr 2019 16:12

Tgt Ion:180 Resp: 76549
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.0
145 31.0 17.0 51.0

