

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061890.D
 Acq On : 19 Apr 2019 2:11
 Operator : VA/AP
 Sample : VD0418SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Quant Time: Apr 19 04:05:05 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	7.06	168	479523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	748472	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	646861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	313269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	253922	63.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.36%	
35) Dibromofluoromethane	6.93	113	347015	61.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.74%	
50) Toluene-d8	10.41	98	750840	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
62) 4-Bromofluorobenzene	13.56	95	320944	59.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	82561	17.640	ug/l	99
3) Chloromethane	1.75	50	78366	21.010	ug/l	92
4) Vinyl Chloride	1.85	62	74291	20.069	ug/l	90
5) Bromomethane	2.15	94	18572	20.225	ug/l	95
6) Chloroethane	2.25	64	24185	19.151	ug/l	100
7) Trichlorofluoromethane	2.53	101	120035	19.993	ug/l	97
8) Diethyl Ether	2.87	74	35920	22.829	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.16	101	112608	21.035	ug/l	97
10) Methyl Iodide	3.31	142	140139	18.760	ug/l	96
11) Tert butyl alcohol	4.06	59	31610	133.375	ug/l	95
12) 1,1-Dichloroethene	3.13	96	93632	20.805	ug/l	94
13) Acrolein	3.04	56	20700	90.220	ug/l #	81
14) Allyl chloride	3.62	41	131000	21.355	ug/l	95
15) Acrylonitrile	4.20	53	92303	124.056	ug/l	94
16) Acetone	3.23	43	104182	105.182	ug/l	95
17) Carbon Disulfide	3.39	76	267116	18.370	ug/l	99
18) Methyl Acetate	3.65	43	55366	27.888	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	209883	24.990	ug/l	97
20) Methylene Chloride	3.82	84	142473	26.810	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	106627	21.559	ug/l	99
22) Diisopropyl ether	5.13	45	308728	23.544	ug/l	98
23) Vinyl Acetate	5.06	43	867979	123.828	ug/l	100
24) 1,1-Dichloroethane	4.99	63	187929	23.638	ug/l	98
25) 2-Butanone	6.08	43	134770	119.514	ug/l	98
26) 2,2-Dichloropropane	6.02	77	130331	18.966	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	118216	22.049	ug/l	89
28) Bromochloromethane	6.45	49	74880	24.796	ug/l	98
29) Tetrahydrofuran	6.47	42	72453	131.902	ug/l	98
30) Chloroform	6.67	83	212173	23.927	ug/l	97
31) Cyclohexane	6.97	56	120567	19.810	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	184077	23.418	ug/l	98
36) 1,1-Dichloropropene	7.16	75	140222	22.926	ug/l	95
37) Ethyl Acetate	6.19	43	69171	26.424	ug/l	96
38) Carbon Tetrachloride	7.13	117	167479	21.686	ug/l	98

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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)
39) Methylcyclohexane	8.87	83	127897	20.137	ug/l	97
40) Benzene	7.46	78	357477	24.345	ug/l	96
41) Methacrylonitrile	6.45	41	85076	27.497	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	128997	25.224	ug/l	94
43) Isopropyl Acetate	9.24	43	98031	26.612	ug/l	98
44) Trichloroethene	8.55	130	127896	22.626	ug/l	100
45) 1,2-Dichloropropane	8.95	63	93779	24.519	ug/l	99
46) Dibromomethane	9.08	93	70839	25.993	ug/l	94
47) Bromodichloromethane	9.38	83	149867	23.837	ug/l	97
48) Methyl methacrylate	9.12	41	59312	27.392	ug/l	98
49) 1,4-Dioxane	9.09	88	13304	562.124	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	317998	141.161	ug/l	96
52) Toluene	10.52	92	223141	23.714	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	135729	23.958	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	153182	23.035	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	80788	25.479	ug/l	97
56) Ethyl methacrylate	11.04	69	91879	26.402	ug/l	97
57) 1,3-Dichloropropane	11.42	76	115467	24.223	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	219153	132.399	ug/l	95
59) 2-Hexanone	11.54	43	223283	133.450	ug/l	99
60) Dibromochloromethane	11.69	129	133864	25.802	ug/l	98
61) 1,2-Dibromoethane	11.81	107	99457	25.510	ug/l	99
64) Tetrachloroethene	11.27	164	114722	23.648	ug/l	98
65) Chlorobenzene	12.40	112	259297	21.524	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	118541	23.481	ug/l	97
67) Ethyl Benzene	12.53	91	464114	24.057	ug/l	100
68) m/p-Xylenes	12.67	106	325886	44.970	ug/l	98
69) o-Xylene	13.05	106	166818	24.491	ug/l	96
70) Styrene	13.08	104	296534	25.299	ug/l	96
71) Bromoform	13.24	173	74543	24.876	ug/l	96
73) Isopropylbenzene	13.41	105	466340	22.954	ug/l	100
74) N-amyl acetate	13.27	43	115434	21.129	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	97530	24.286	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	96046	23.346	ug/l	98
77) Bromobenzene	13.67	156	130880	22.678	ug/l	83
78) n-propylbenzene	13.78	91	516531	22.005	ug/l	99
79) 2-Chlorotoluene	13.85	91	284689	20.762	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	356354	22.106	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	26600	21.945	ug/l	90
82) 4-Chlorotoluene	13.95	91	321368	20.476	ug/l	92
83) tert-Butylbenzene	14.19	119	413155	21.827	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	344483	21.259	ug/l	99
85) sec-Butylbenzene	14.37	105	451178	23.057	ug/l	99
86) p-Isopropyltoluene	14.50	119	393768	21.508	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	213235	21.165	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	207262	20.811	ug/l	98
89) n-Butylbenzene	14.80	91	342921	21.160	ug/l	98
90) Hexachloroethane	15.01	117	99665	19.973	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	192434	22.802	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13804	27.710	ug/l	88

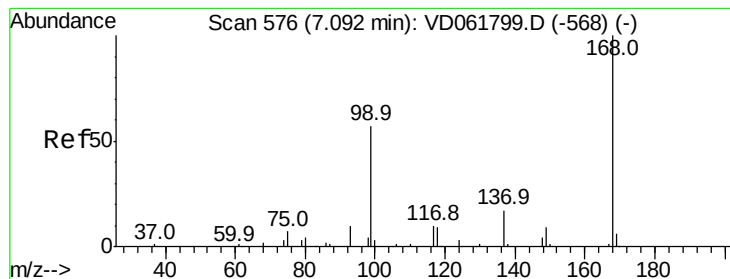
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	106326	22.939	ug/l	97
94) Hexachlorobutadiene	16.05	225	66385	19.763	ug/l	99
95) Naphthalene	16.12	128	197447	27.792	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	67746	25.648	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

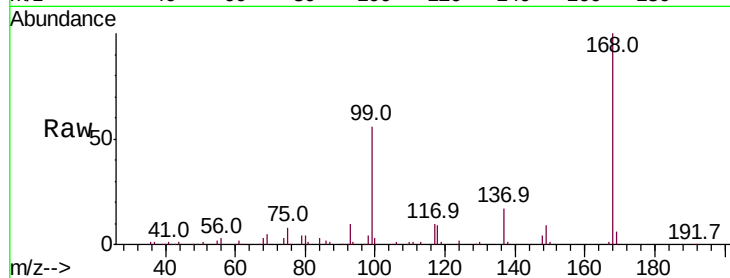
VD0418SBS02

Tot Ion:168 Resp: 479523

Ion Ratio Lower Upper

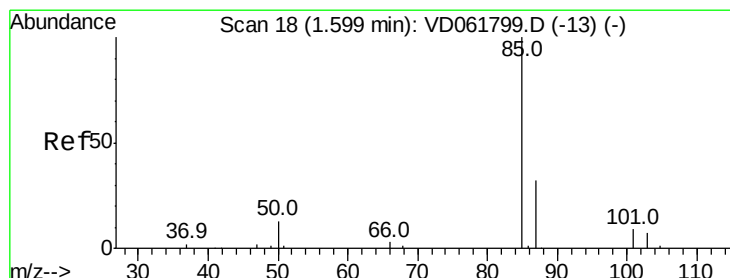
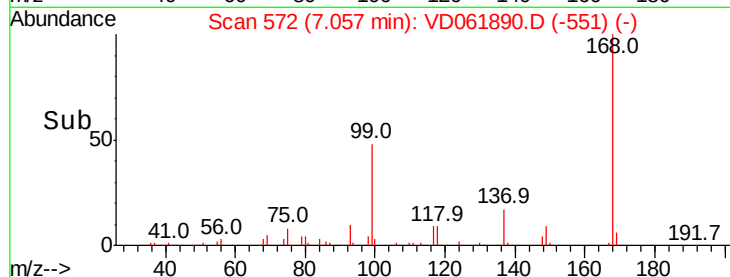
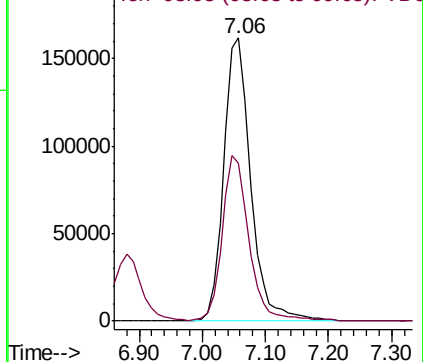
168 100

99 55.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.640 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061890.D

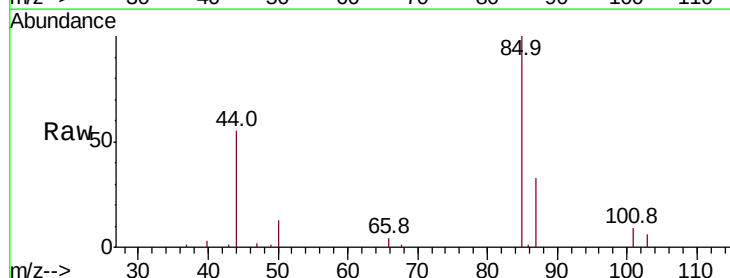
Acq: 19 Apr 2019 2:11

Tgt Ion: 85 Resp: 82561

Ion Ratio Lower Upper

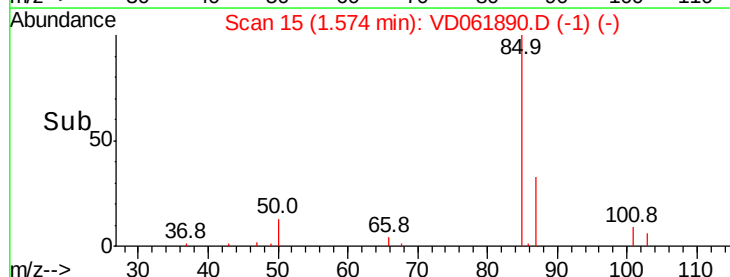
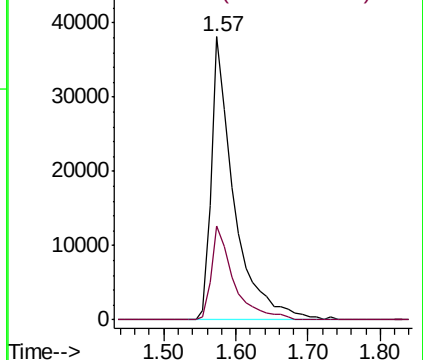
85 100

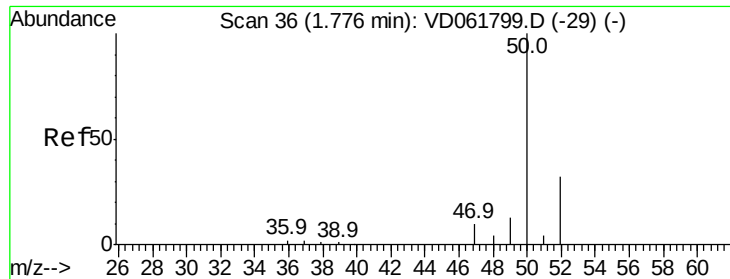
87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.010 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

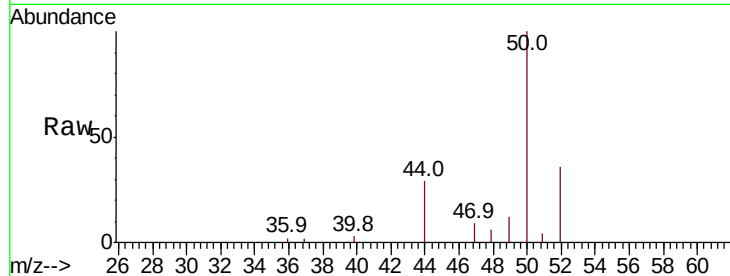
VD0418SBS02

Tot Ion: 50 Resp: 78366

Ion Ratio Lower Upper

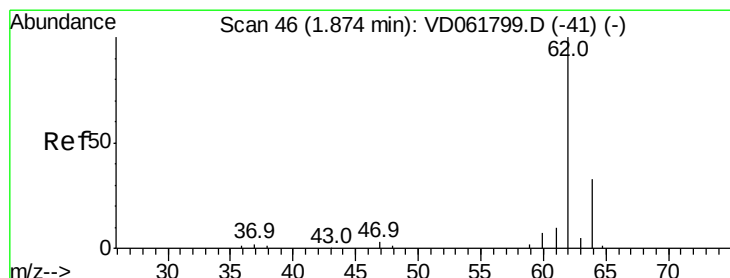
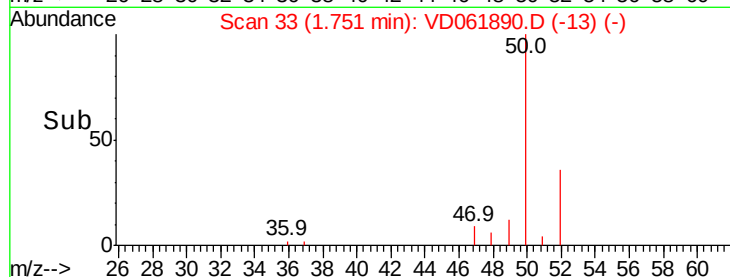
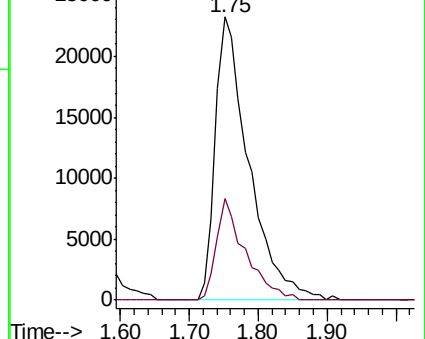
50 100

52 36.0 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: 20.069 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061890.D

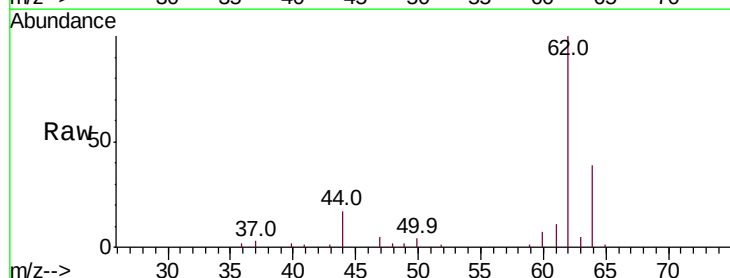
Acq: 19 Apr 2019 2:11

Tgt Ion: 62 Resp: 74291

Ion Ratio Lower Upper

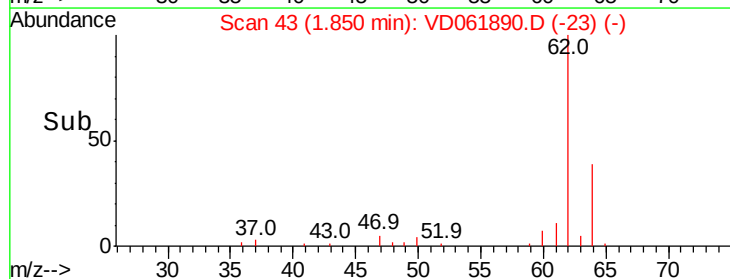
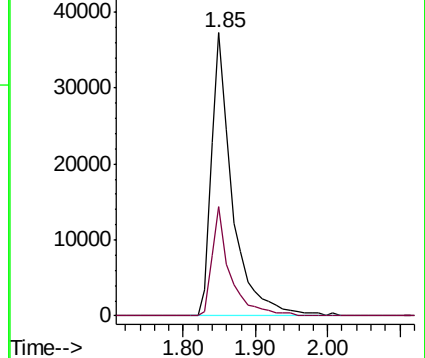
62 100

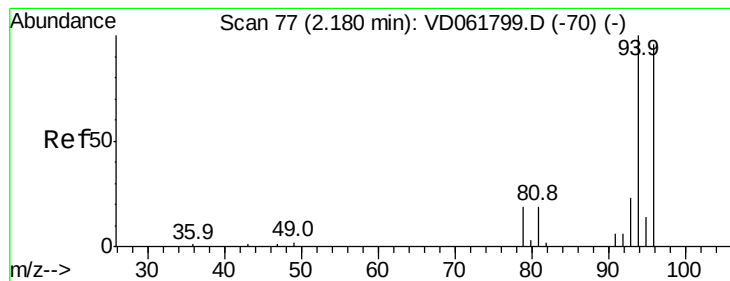
64 38.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.225 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

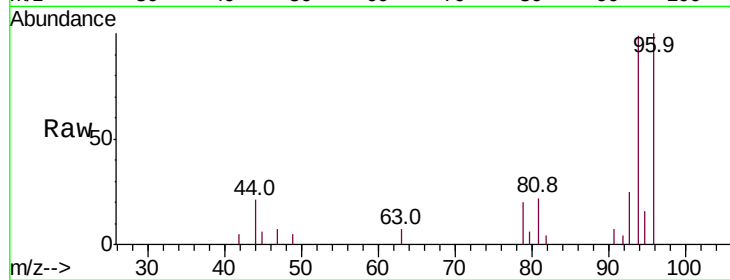
Tot Ion: 94 Resp: 18572

Ion Ratio Lower Upper

94 100

96 101.1 76.6 115.0

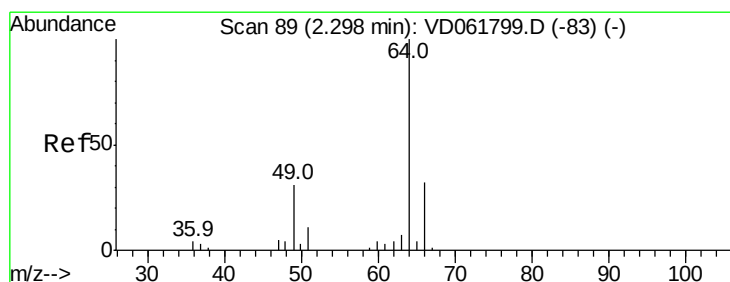
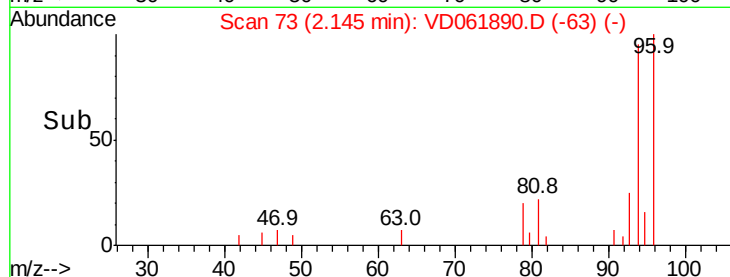
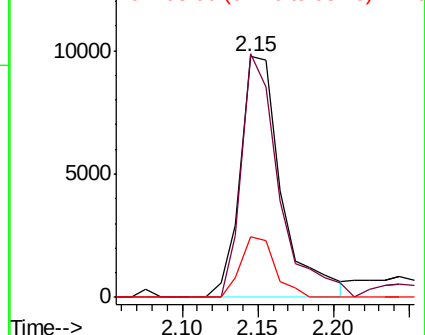
93 25.0 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.151 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061890.D

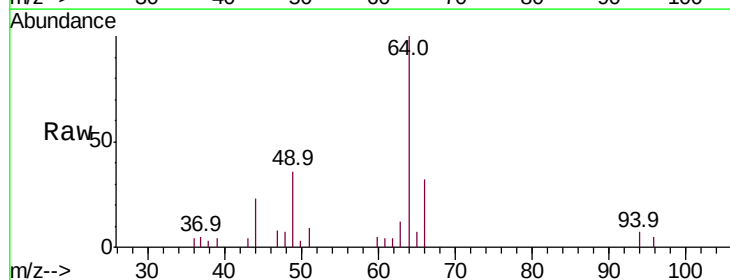
Acq: 19 Apr 2019 2:11

Tgt Ion: 64 Resp: 24185

Ion Ratio Lower Upper

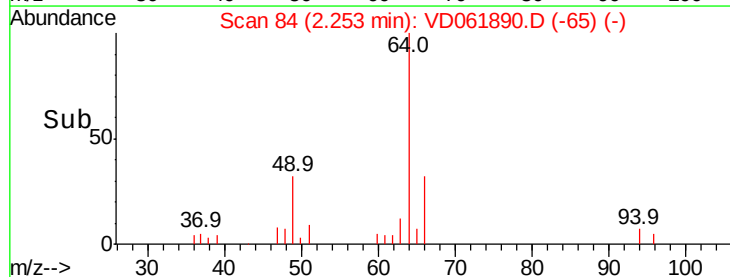
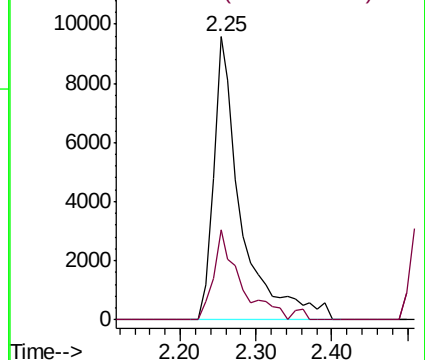
64 100

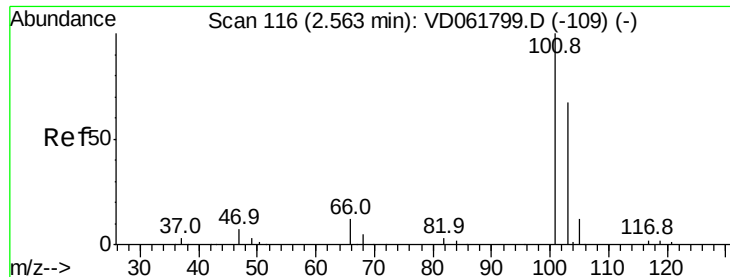
66 31.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



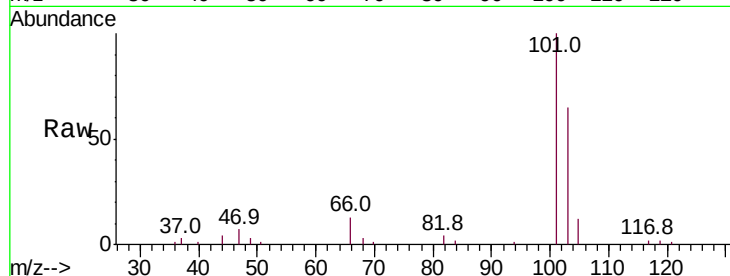


#7

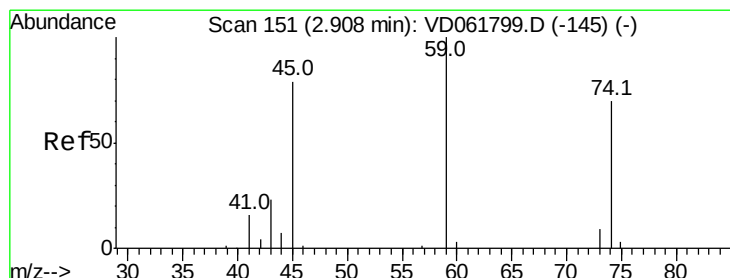
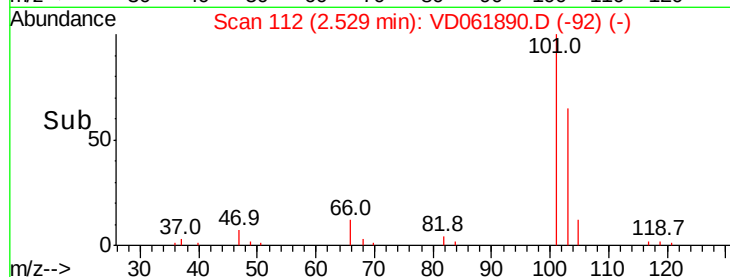
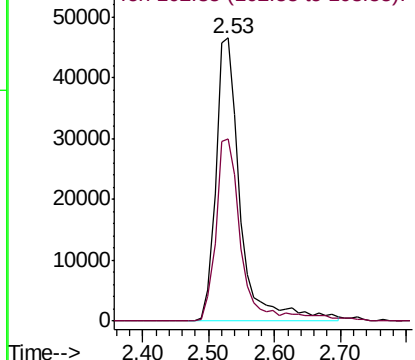
Trichlorofluoromethane
 Concen: 19.993 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion:101 Resp: 120035
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.6 80.4



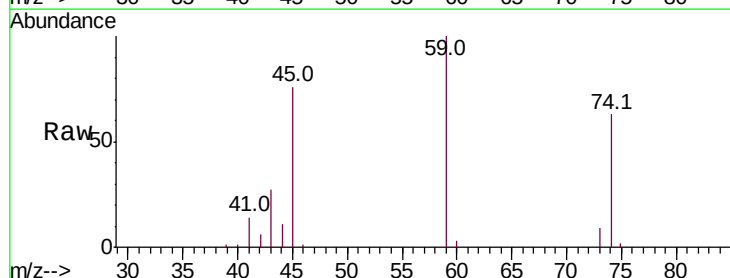
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



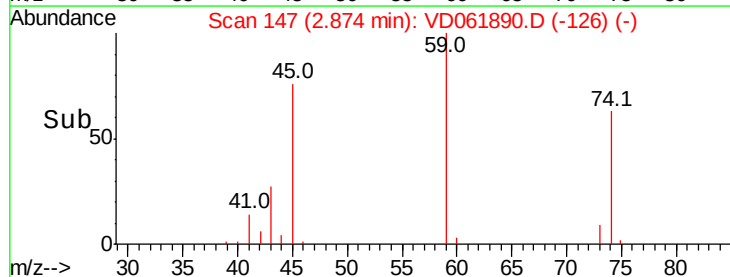
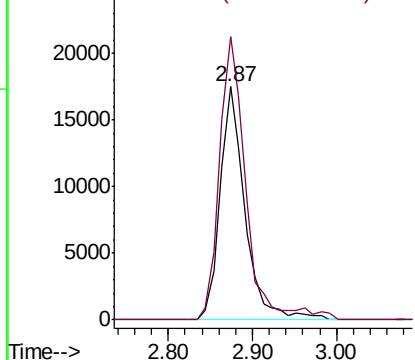
#8

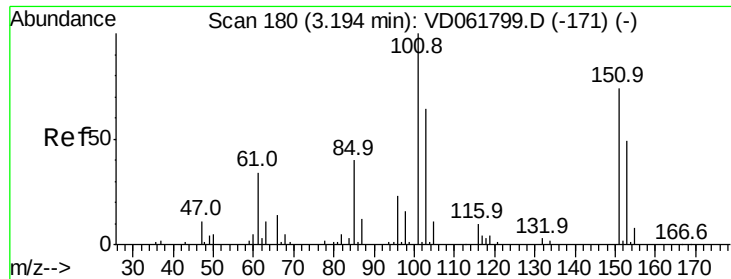
Diethyl Ether
 Concen: 22.829 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 74 Resp: 35920
 Ion Ratio Lower Upper
 74 100
 45 121.5 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.035 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

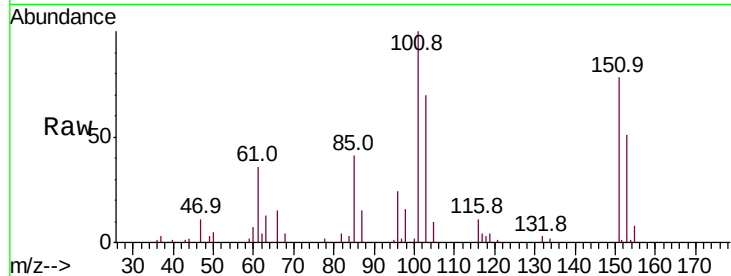
Tot Ion:101 Resp: 112608

Ion Ratio Lower Upper

101 100

85 41.2 32.4 48.6

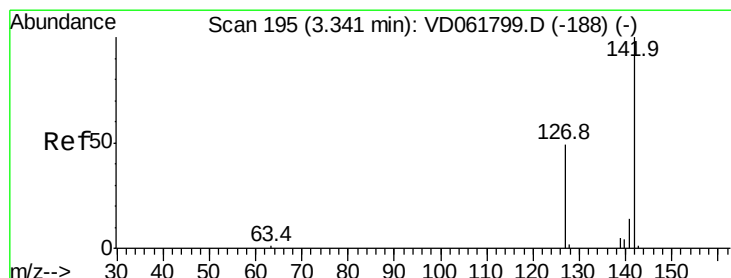
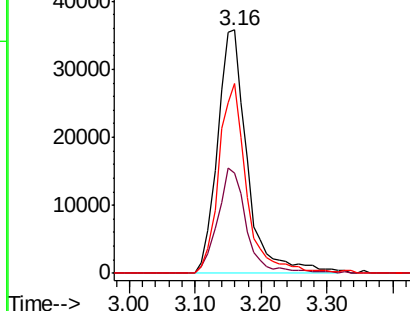
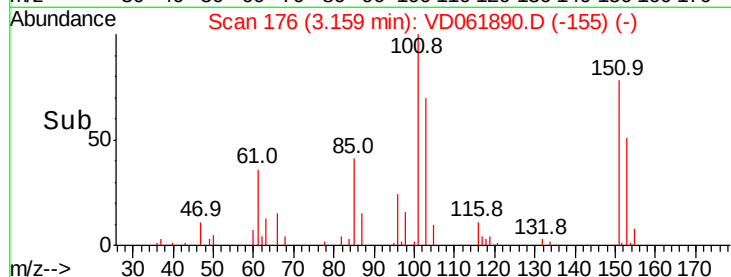
151 77.9 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.760 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

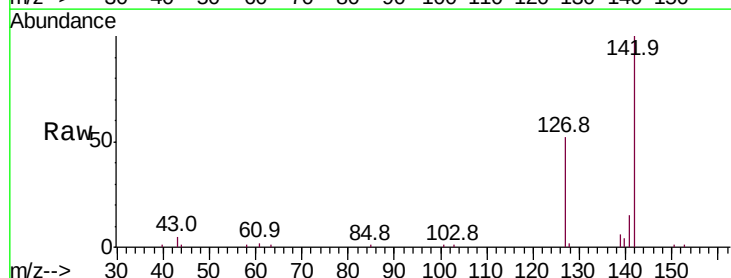
Tgt Ion:142 Resp: 140139

Ion Ratio Lower Upper

142 100

127 51.6 38.8 58.2

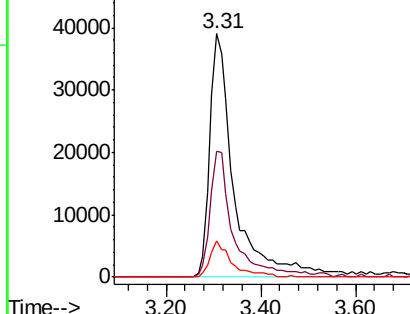
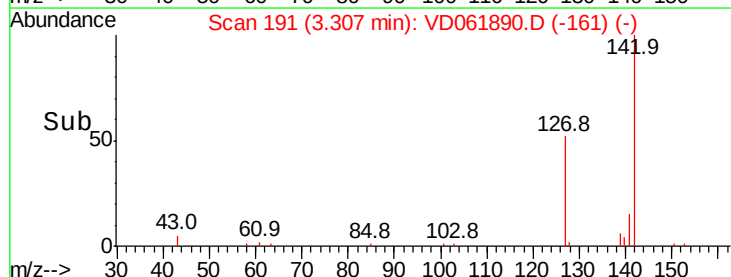
141 14.8 11.4 17.0

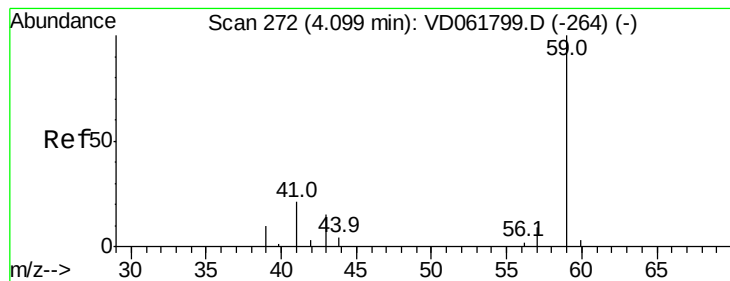


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



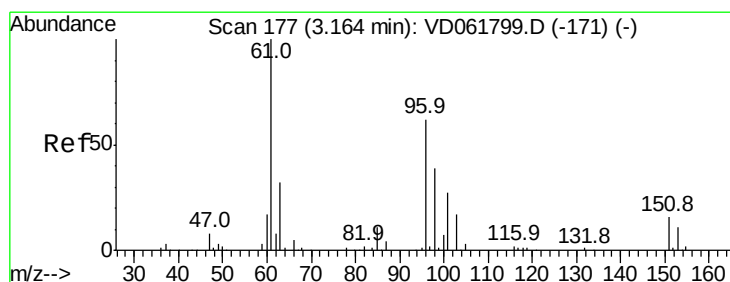
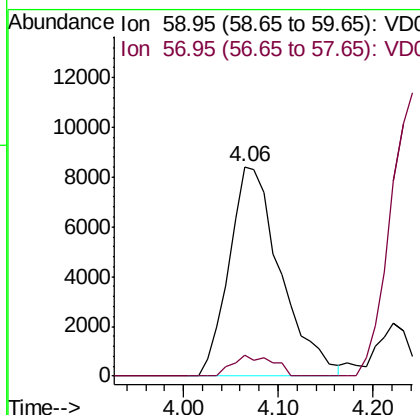
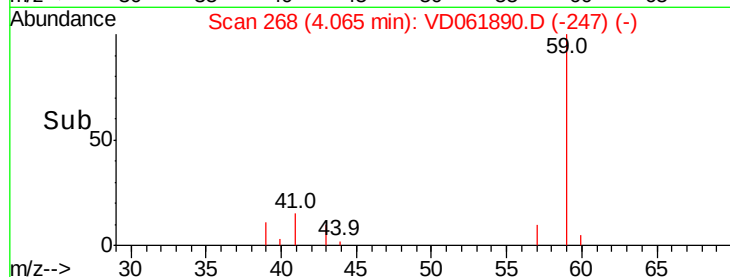
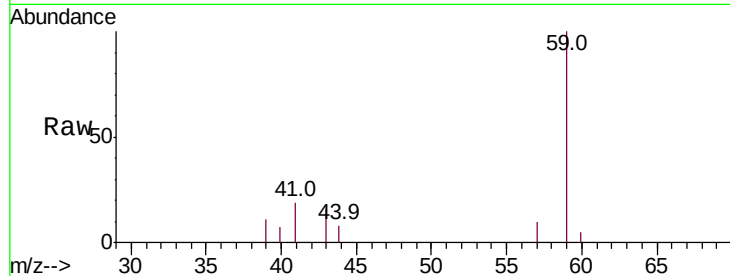


#11

Tert butyl alcohol
 Concen: 133.375 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

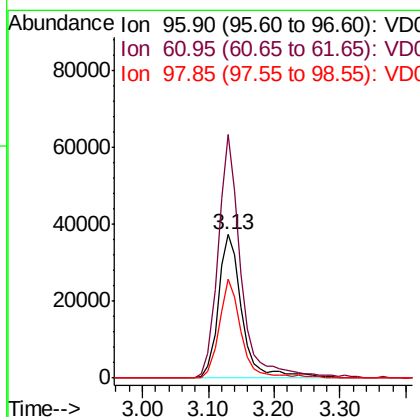
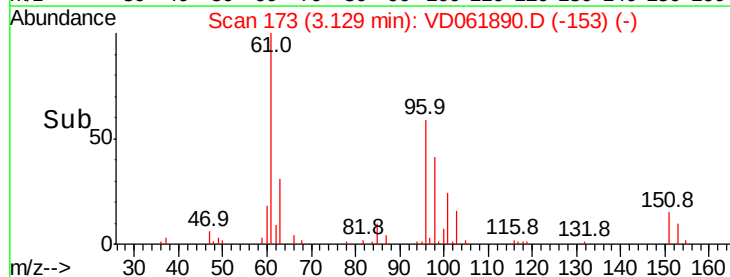
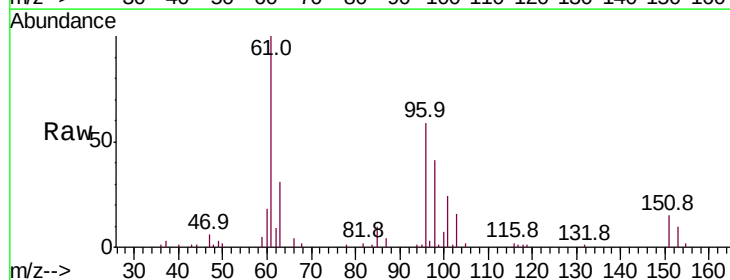
Tot Ion: 59 Resp: 31610
 Ion Ratio Lower Upper
 59 100
 57 10.2 6.9 10.3

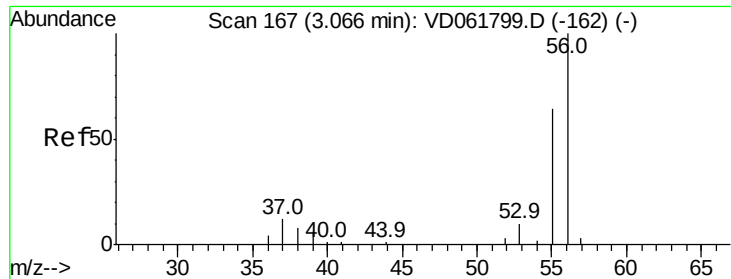


#12

1,1-Dichloroethene
 Concen: 20.805 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 96 Resp: 93632
 Ion Ratio Lower Upper
 96 100
 61 169.7 129.8 194.8
 98 69.4 51.2 76.8





#13

Acrolein

Concen: 90.220 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

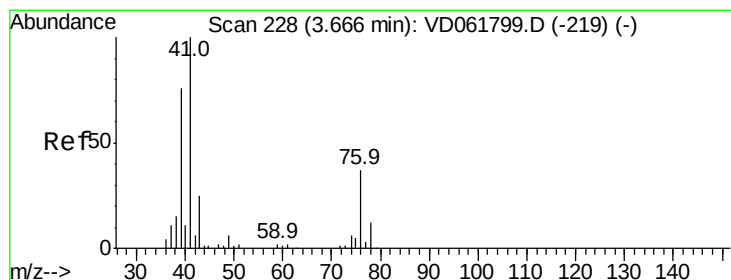
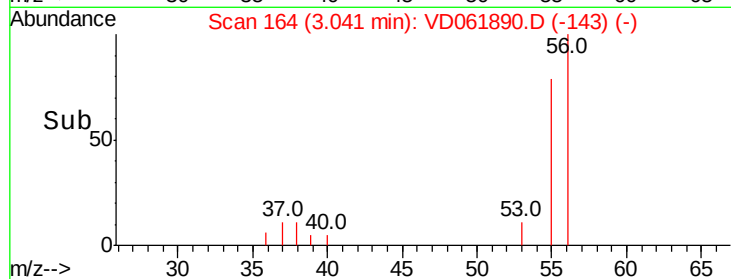
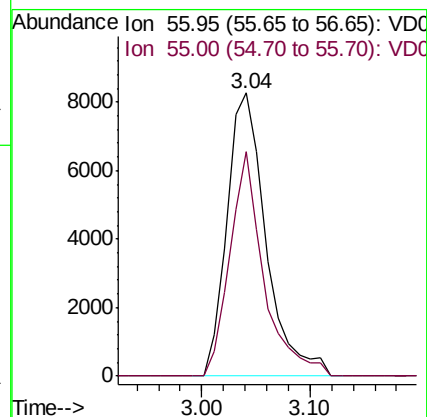
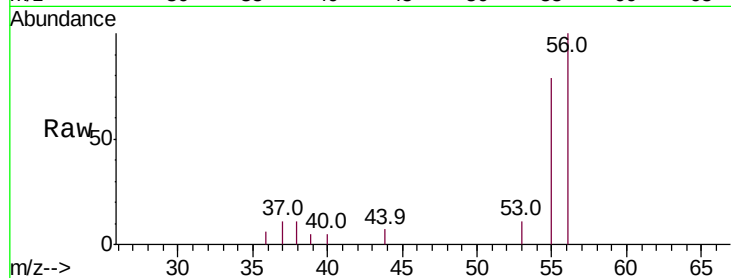
VD0418SBS02

Tot Ion: 56 Resp: 20700

Ion Ratio Lower Upper

56 100

55 79.4 51.4 77.2#



#14

Allyl chloride

Concen: 21.355 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

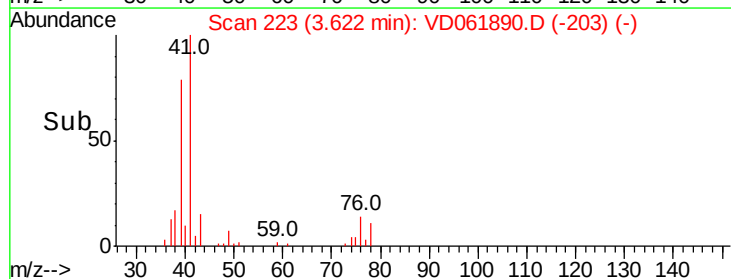
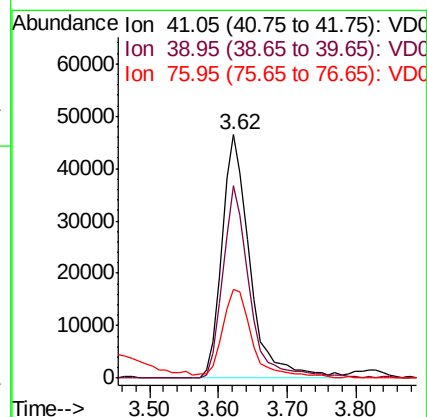
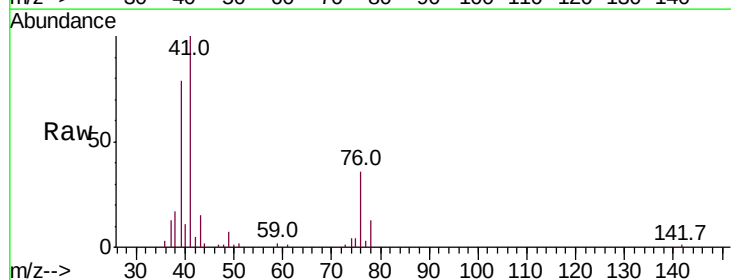
Tgt Ion: 41 Resp: 131000

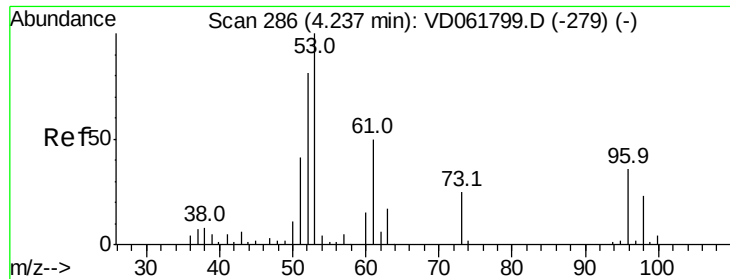
Ion Ratio Lower Upper

41 100

39 79.3 60.5 90.7

76 36.3 31.8 47.8





#15

Acrylonitrile

Concen: 124.056 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

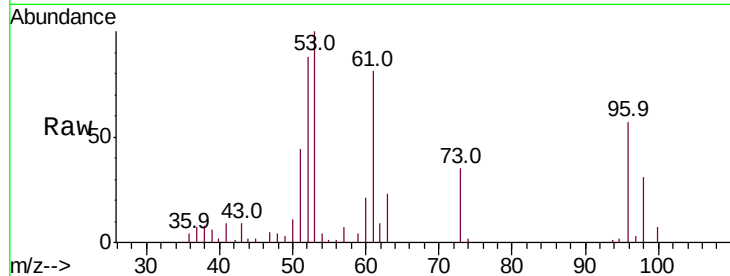
Tot Ion: 53 Resp: 92303

Ion Ratio Lower Upper

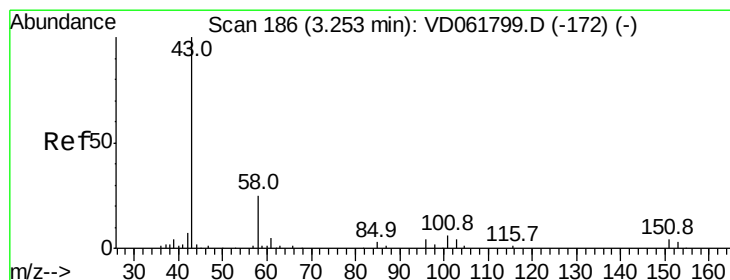
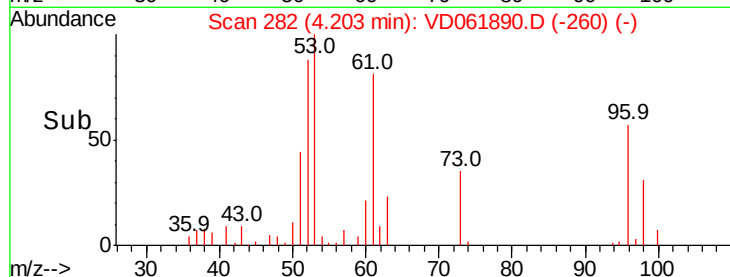
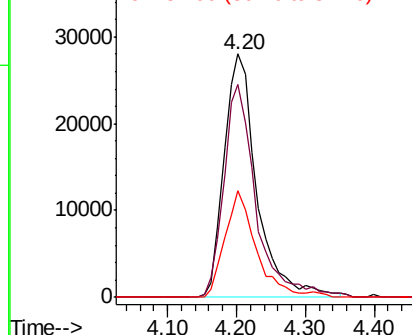
53 100

52 87.6 65.0 97.4

51 43.6 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: 105.182 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061890.D

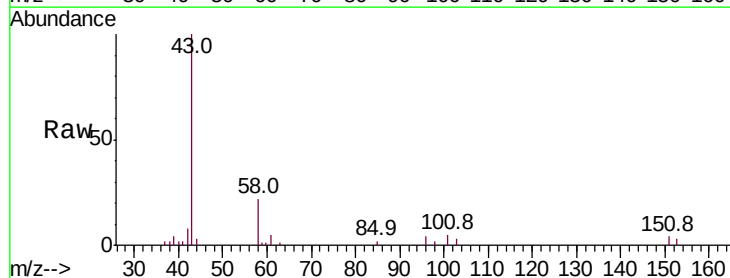
Acq: 19 Apr 2019 2:11

Tgt Ion: 43 Resp: 104182

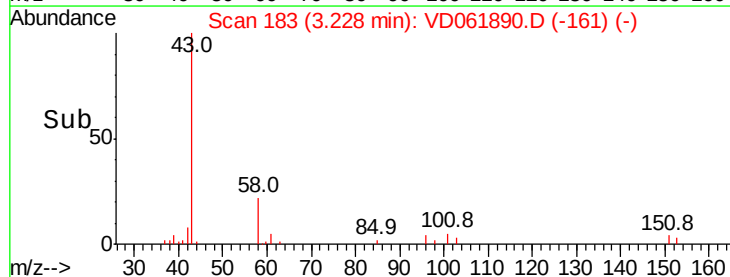
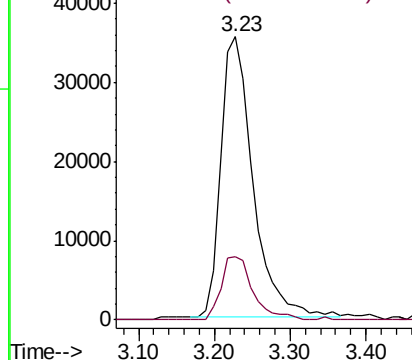
Ion Ratio Lower Upper

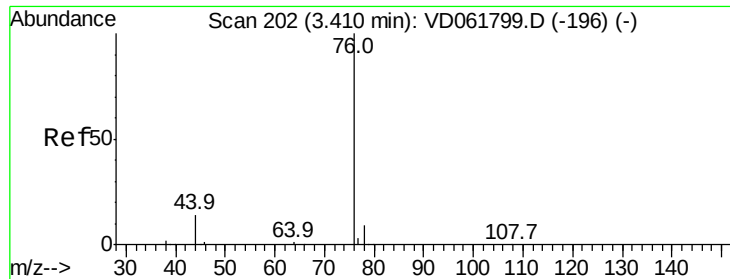
43 100

58 22.3 19.9 29.9



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

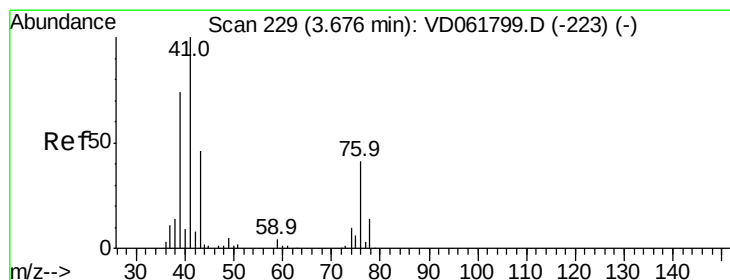
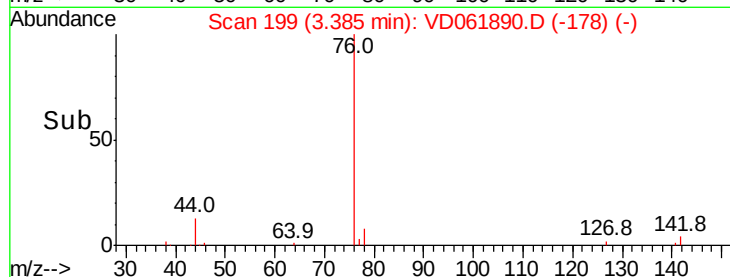
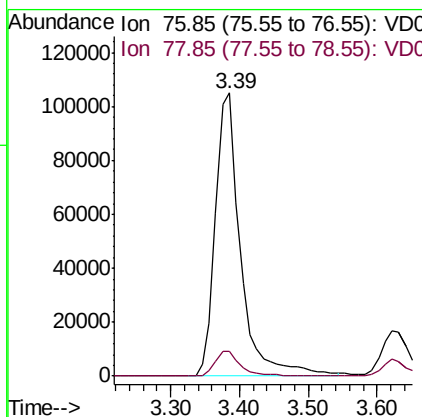
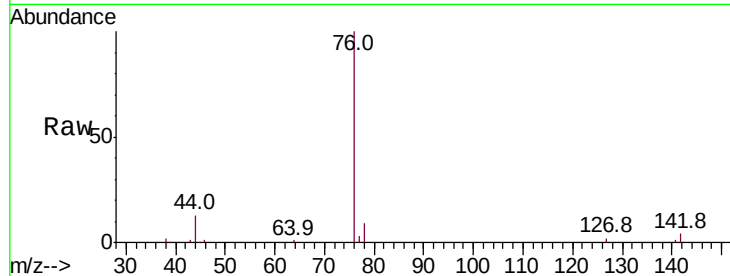




#17
Carbon Disulfide
Concen: 18.370 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

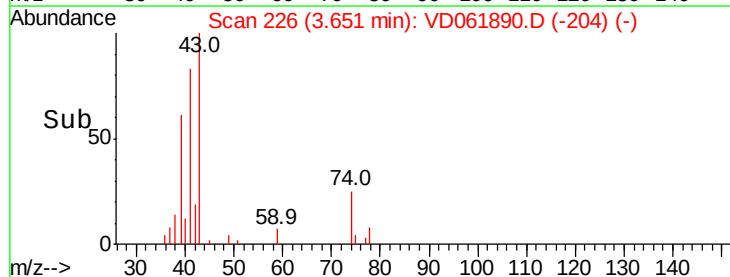
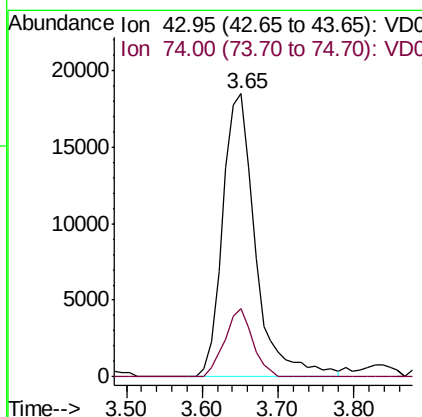
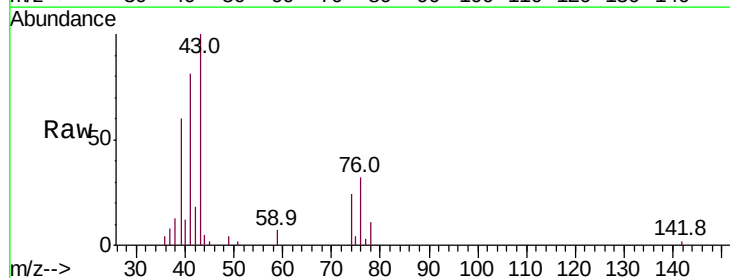
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

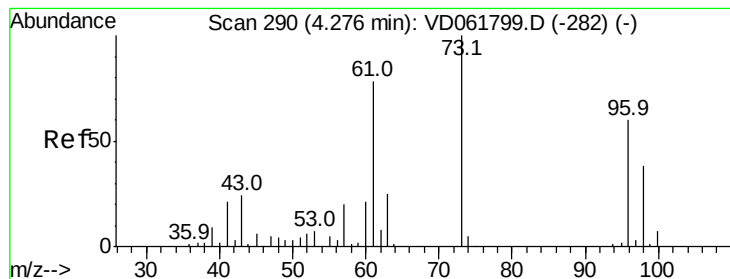
Tot Ion: 76 Resp: 267116
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 27.888 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion: 43 Resp: 55366
Ion Ratio Lower Upper
43 100
74 24.0 18.0 27.0



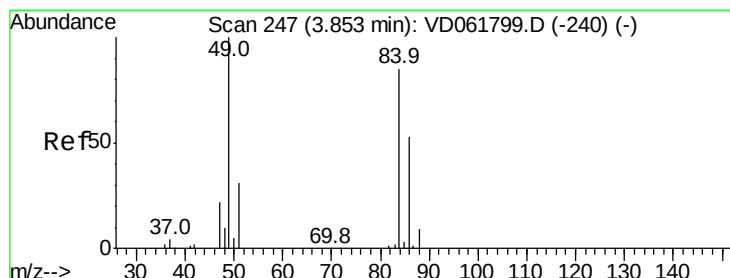
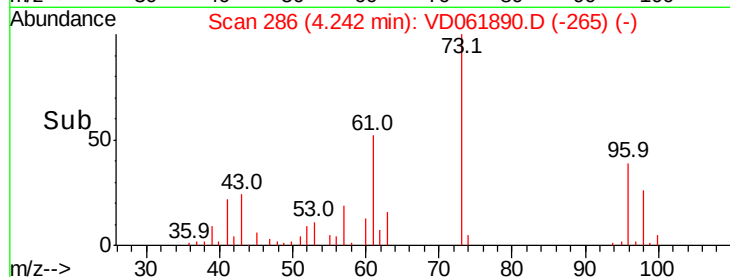
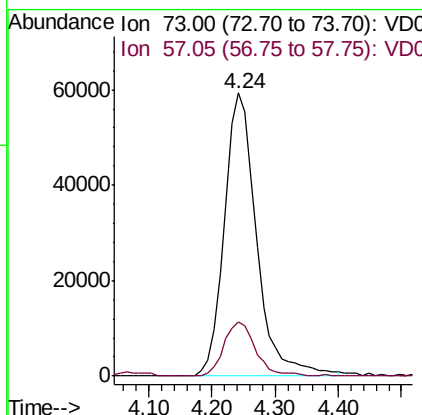
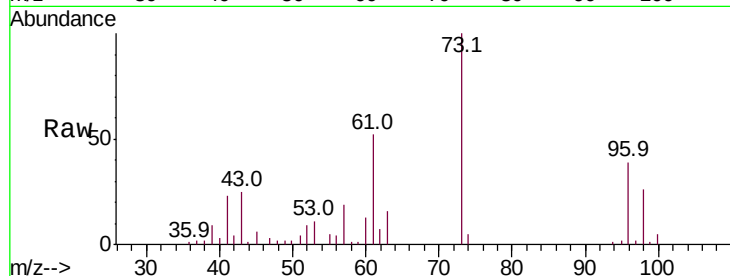


#19

Methyl tert-butyl Ether
 Concen: 24.990 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

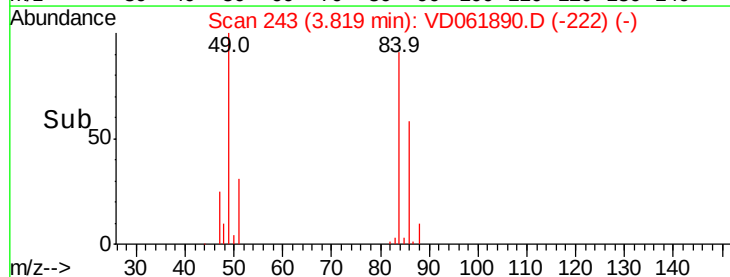
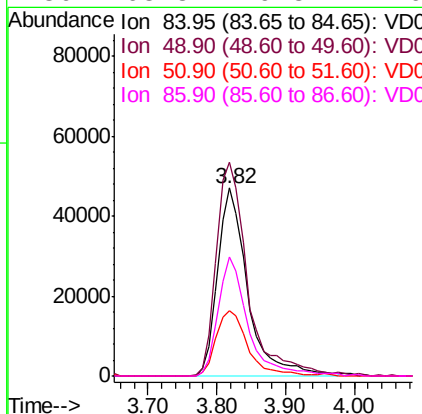
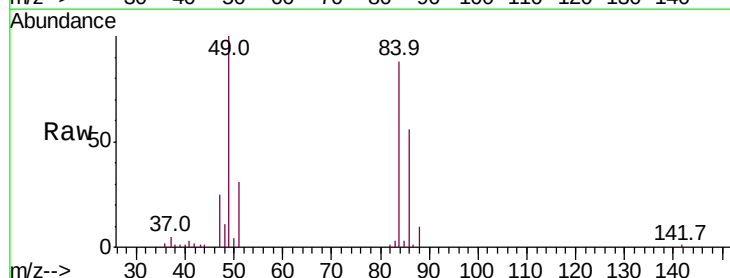
Tot Ion: 73 Resp: 209883
 Ion Ratio Lower Upper
 73 100
 57 19.2 16.3 24.5

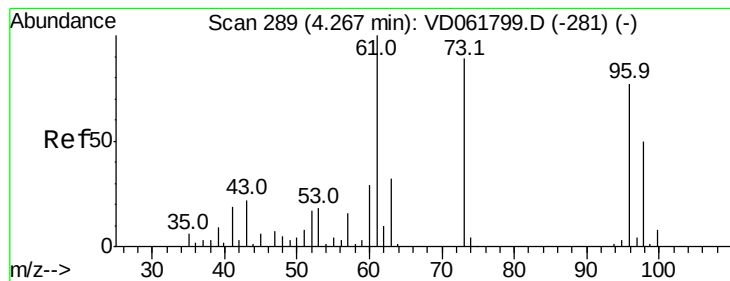


#20

Methylene Chloride
 Concen: 26.810 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 84 Resp: 142473
 Ion Ratio Lower Upper
 84 100
 49 113.8 94.0 141.0
 51 35.1 29.0 43.4
 86 63.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.559 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

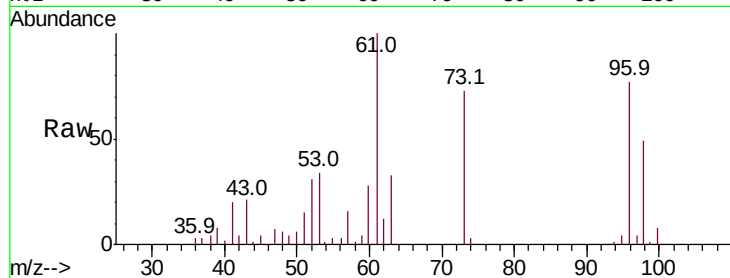
Tot Ion: 96 Resp: 106627

Ion Ratio Lower Upper

96 100

61 129.4 104.4 156.6

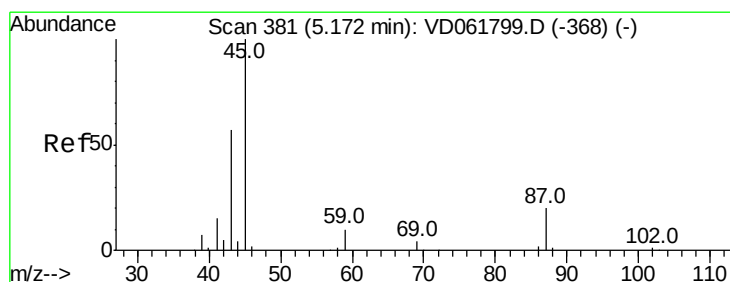
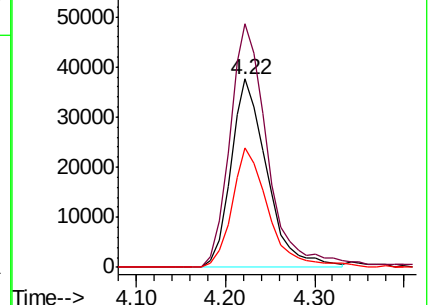
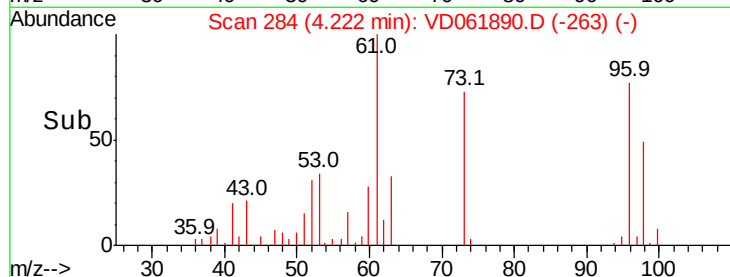
98 63.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.544 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Tgt Ion: 45 Resp: 308728

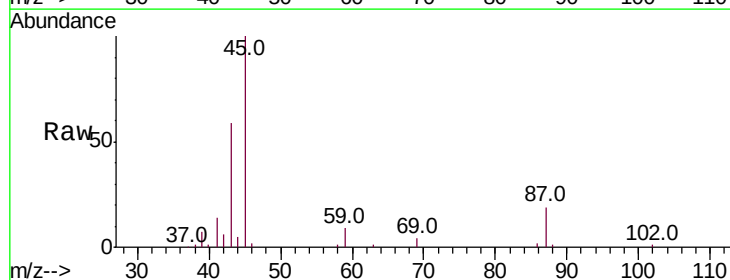
Ion Ratio Lower Upper

45 100

43 58.8 46.2 69.2

87 18.7 15.9 23.9

59 9.1 7.9 11.9

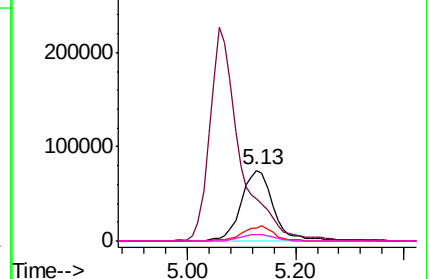
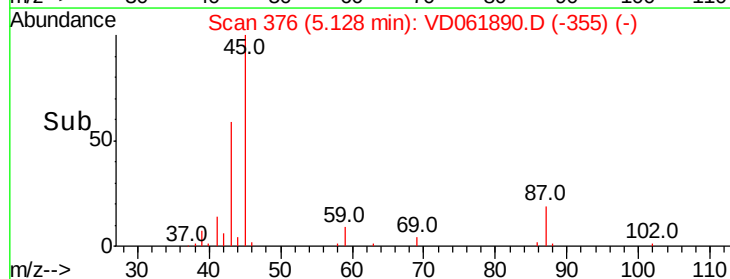


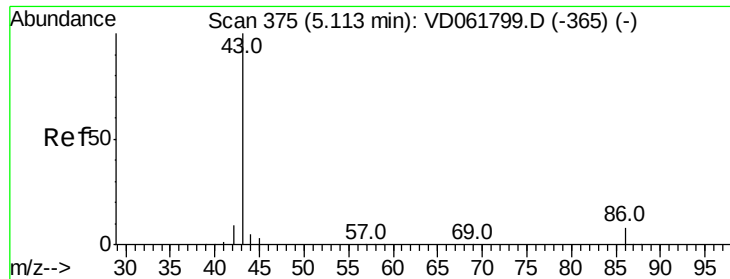
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 123.828 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

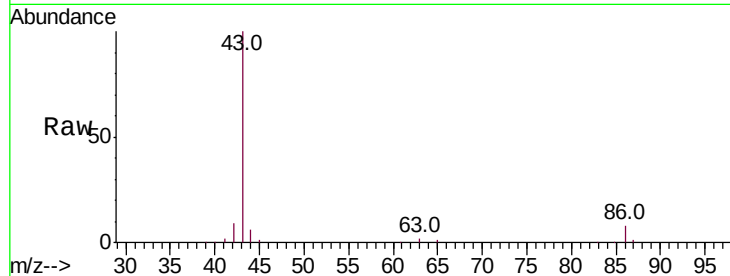
VD0418SBS02

Tot Ion: 43 Resp: 867979

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD061890.D (-369) (-)

Ion 86.00 (85.70 to 86.70): VD061890.D (-369) (-)

5.06

250000

200000

150000

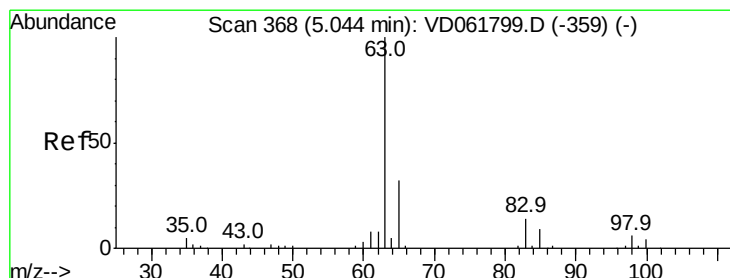
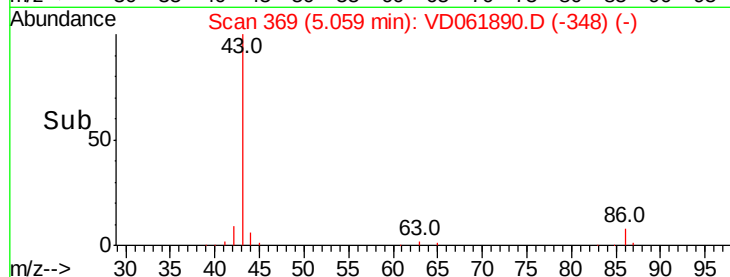
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 23.638 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

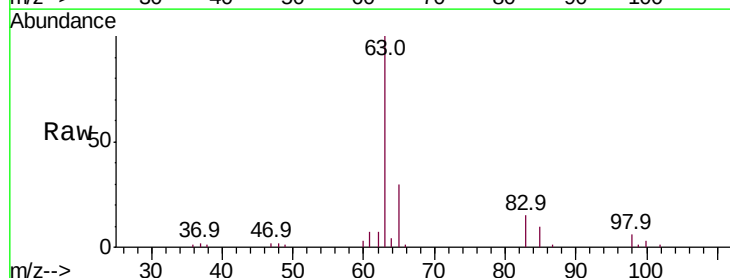
Tgt Ion: 63 Resp: 187929

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD061890.D (-362) (-)

Ion 97.95 (97.65 to 98.65): VD061890.D (-362) (-)

Ion 99.95 (99.65 to 100.65): VD061890.D (-362) (-)

4.99

60000

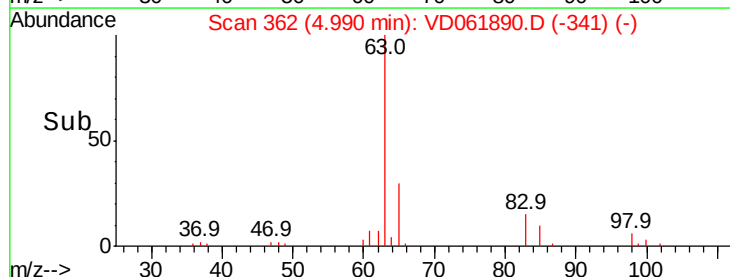
40000

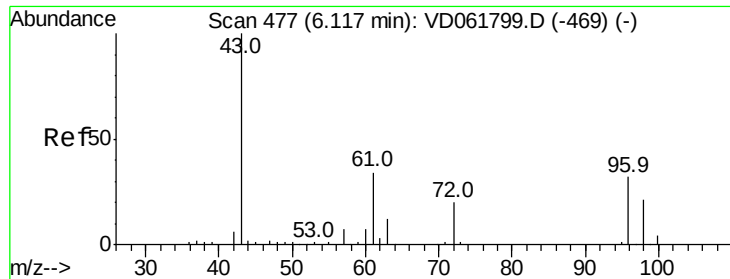
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 119.514 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

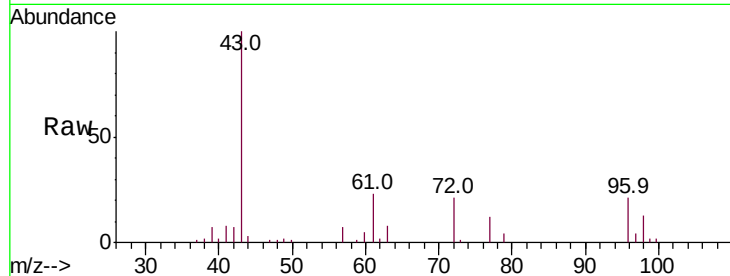
VD0418SBS02

Tot Ion: 43 Resp: 134770

Ion Ratio Lower Upper

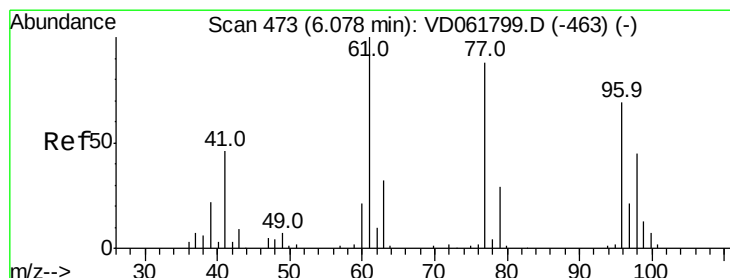
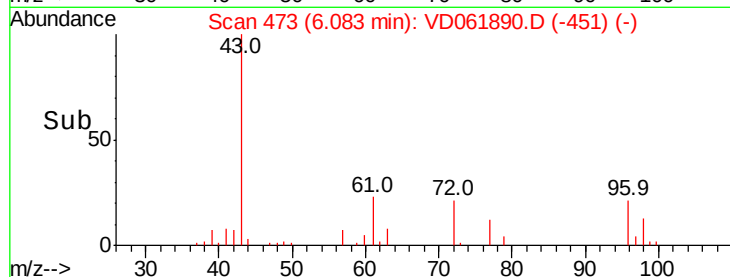
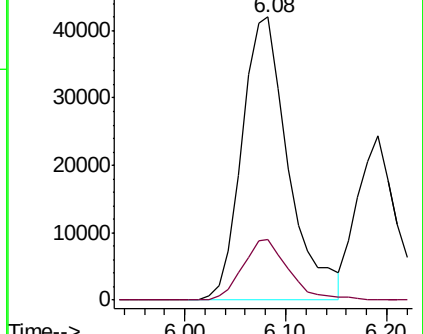
43 100

72 21.4 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: 18.966 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD061890.D

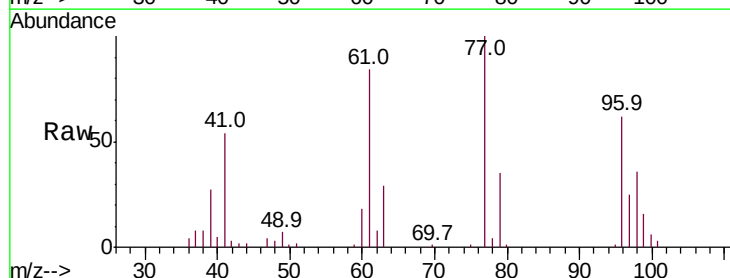
Acq: 19 Apr 2019 2:11

Tgt Ion: 77 Resp: 130331

Ion Ratio Lower Upper

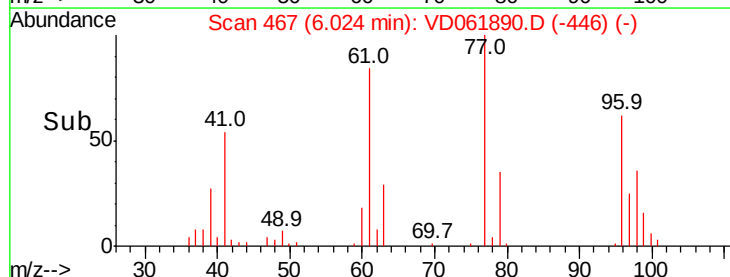
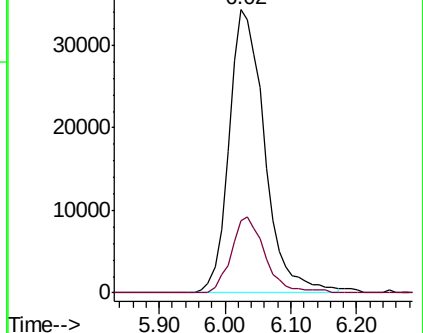
77 100

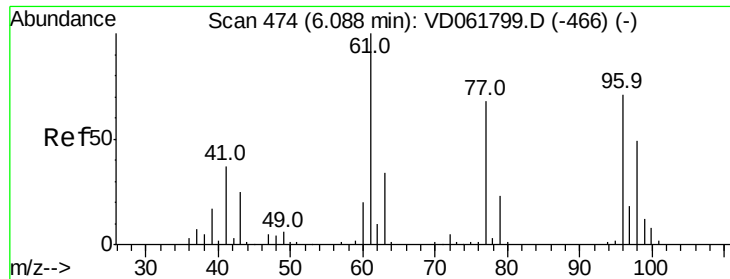
97 25.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



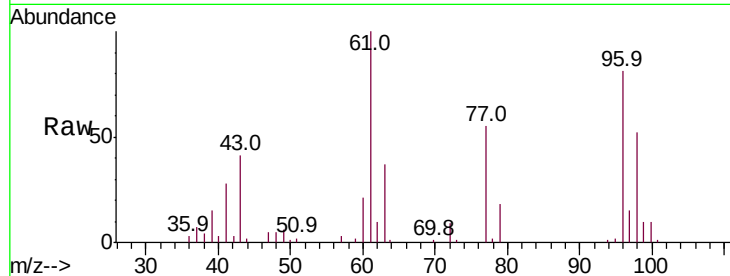


#27

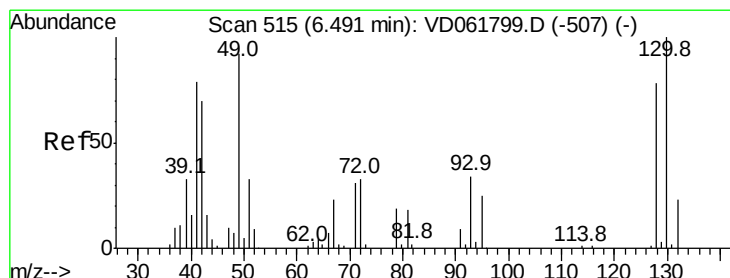
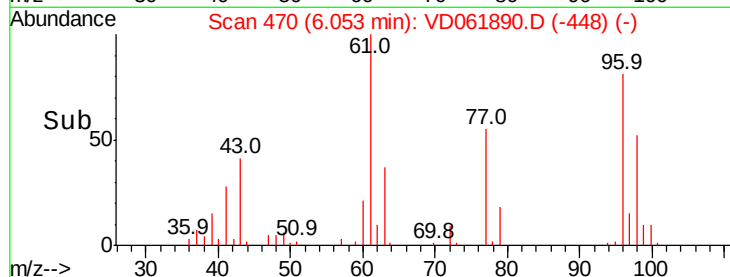
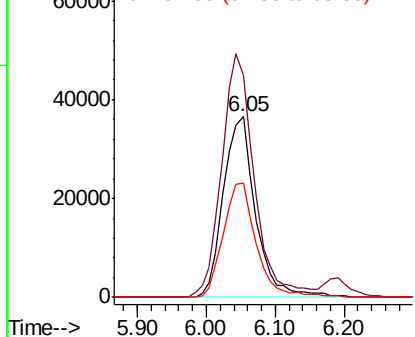
cis-1,2-Dichloroethene
Concen: 22.049 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion: 96 Resp: 118216
Ion Ratio Lower Upper
96 100
61 122.7 0.0 279.8
98 63.4 0.0 136.0



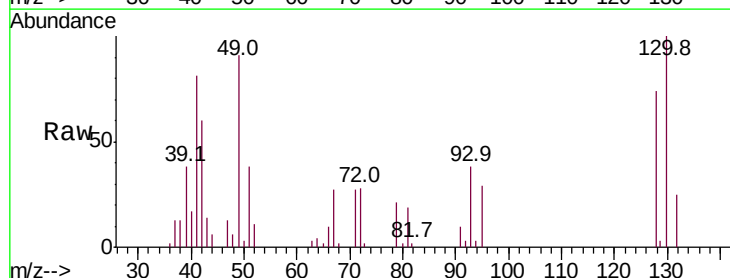
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



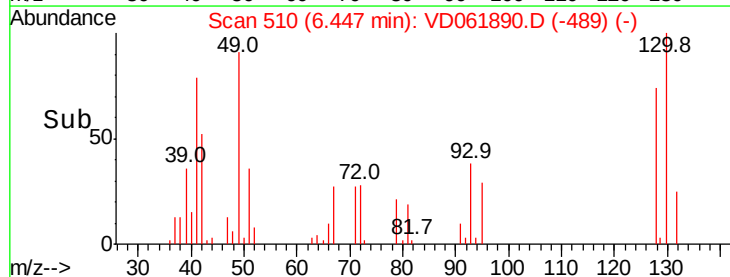
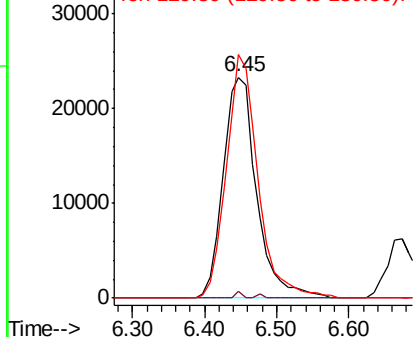
#28

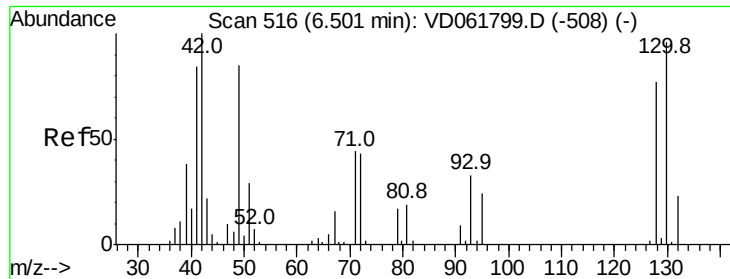
Bromochloromethane
Concen: 24.796 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion: 49 Resp: 74880
Ion Ratio Lower Upper
49 100
129 3.2 0.0 6.6
130 110.3 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: 131.902 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

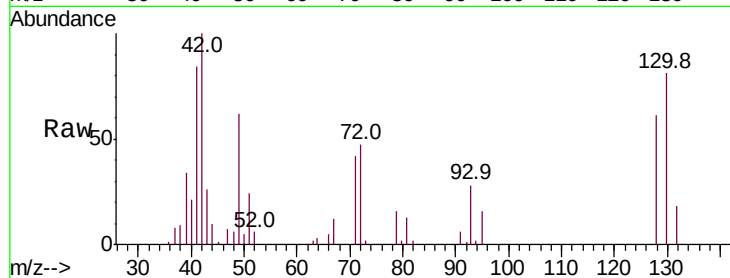
Tot Ion: 42 Resp: 72453

Ion Ratio Lower Upper

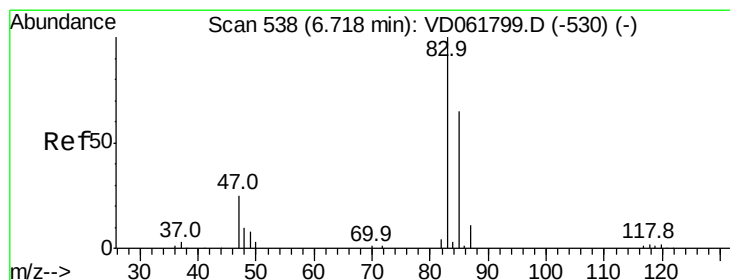
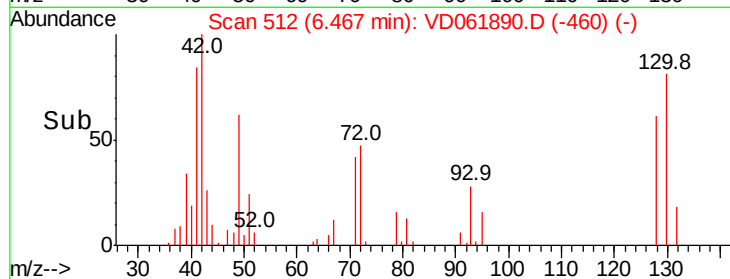
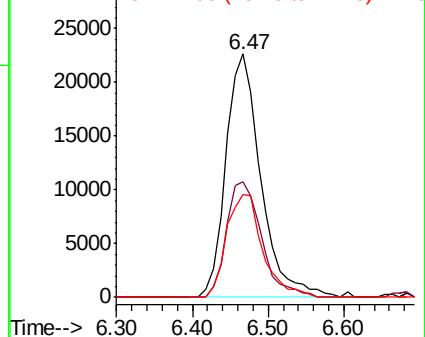
42 100

72 47.6 37.8 56.6

71 43.5 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: 23.927 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD061890.D

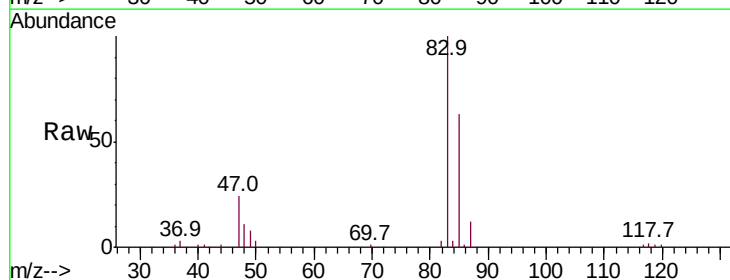
Acq: 19 Apr 2019 2:11

Tgt Ion: 83 Resp: 212173

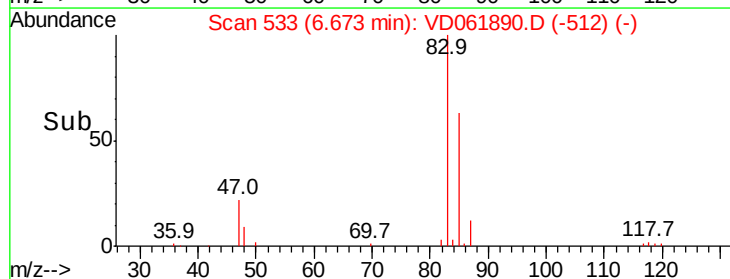
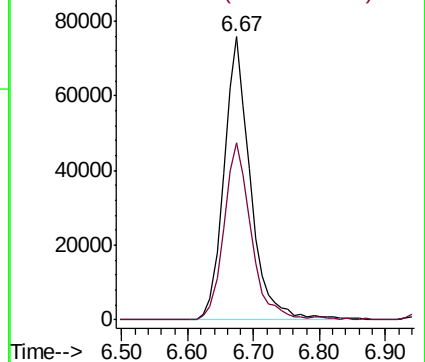
Ion Ratio Lower Upper

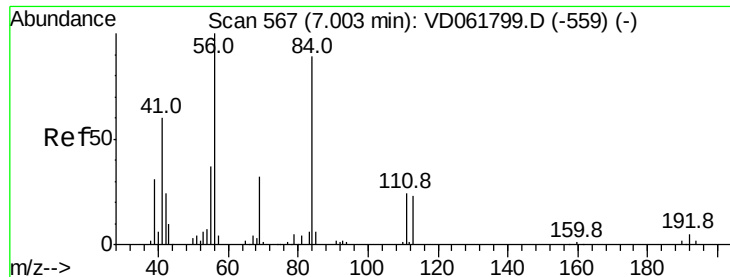
83 100

85 62.6 51.7 77.5



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

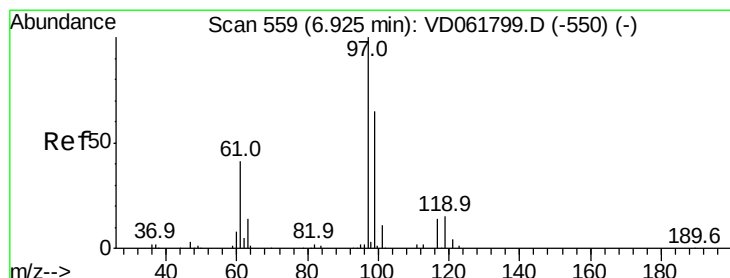
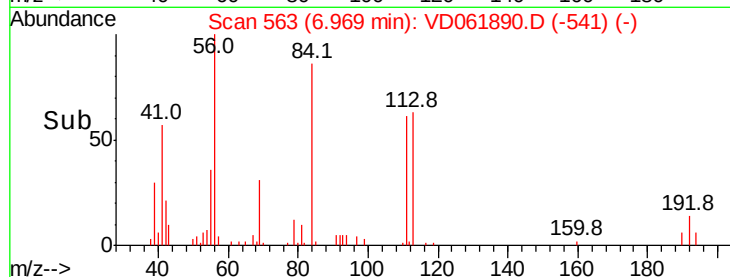
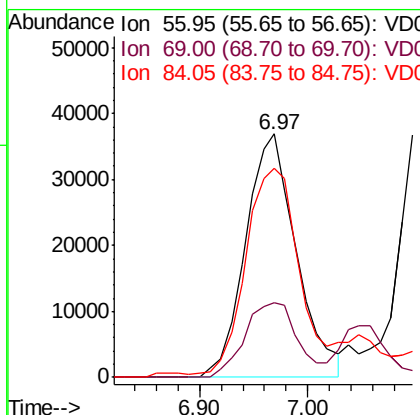
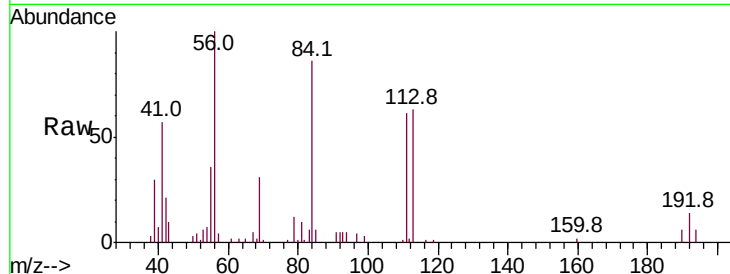




#31
Cyclohexane
Concen: 19.810 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

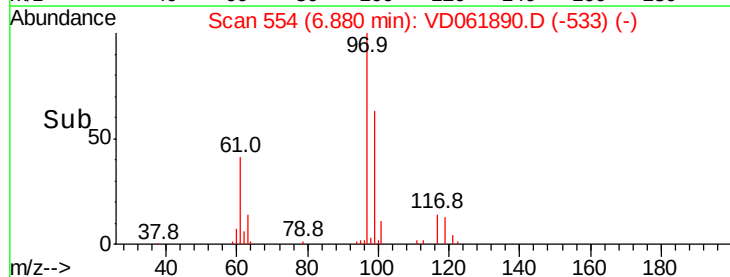
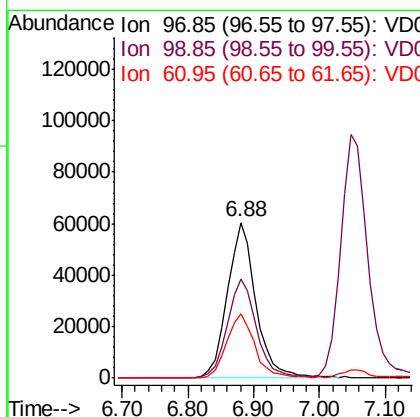
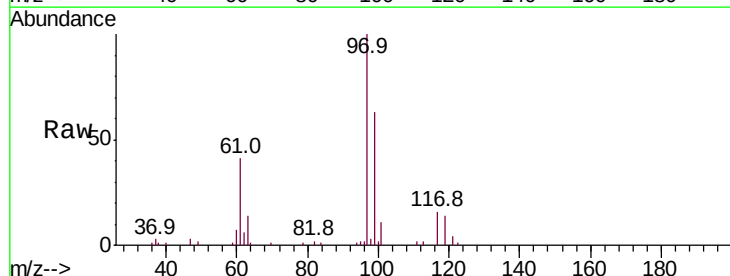
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

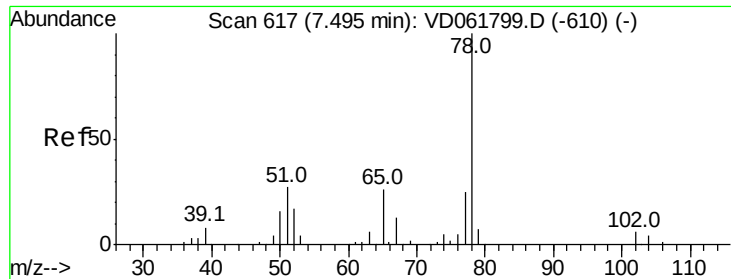
Tot Ion: 56 Resp: 120567
Ion Ratio Lower Upper
56 100
69 30.7 25.8 38.6
84 85.9 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 23.418 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion: 97 Resp: 184077
Ion Ratio Lower Upper
97 100
99 63.1 52.2 78.2
61 41.4 32.4 48.6

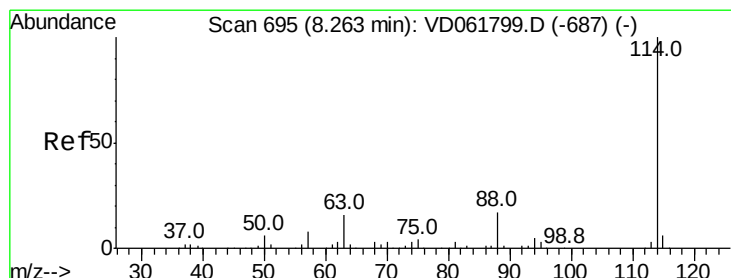
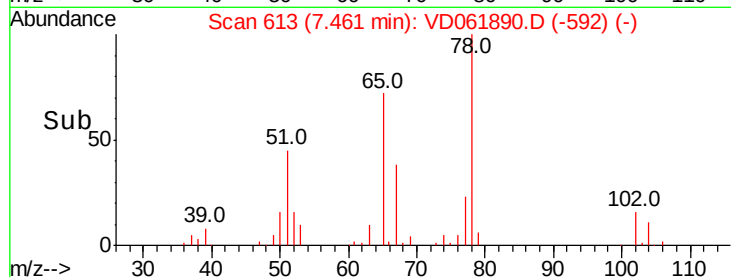
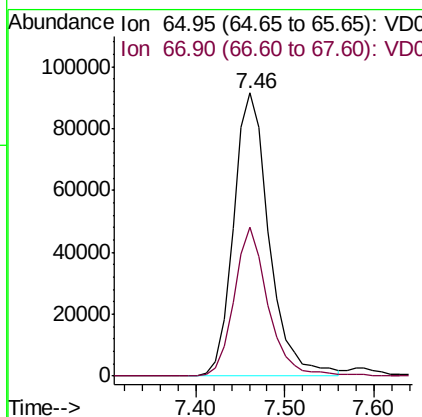
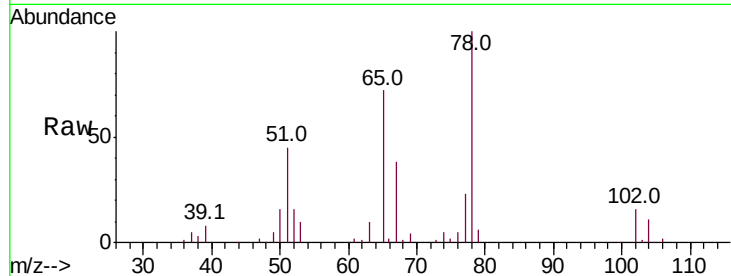




#33
 1,2-Dichloroethane-d4
 Concen: 23.418 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

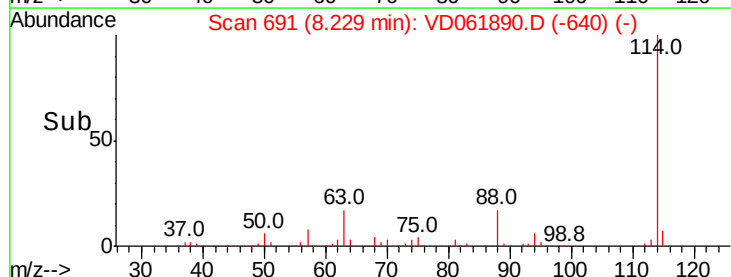
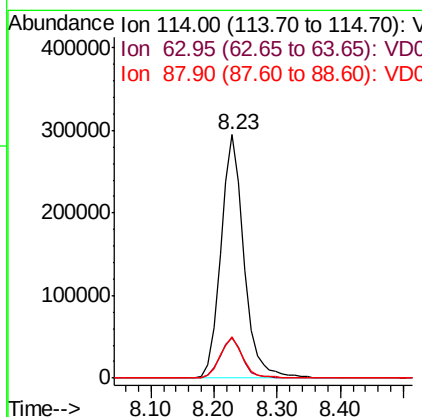
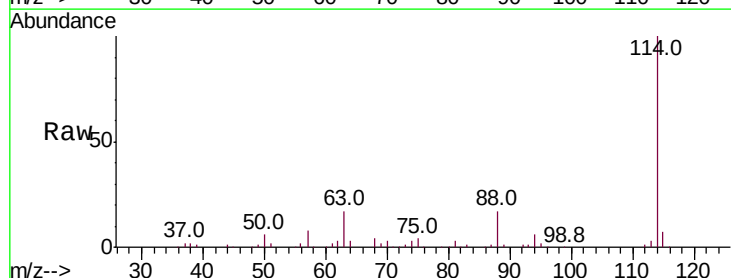
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

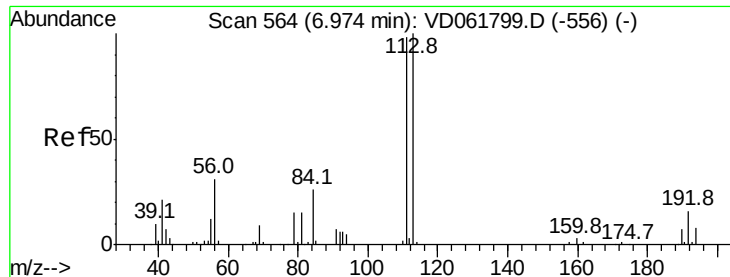
Tot Ion: 65 Resp: 253922
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 114 Resp: 748472
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 32.4
 88 17.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

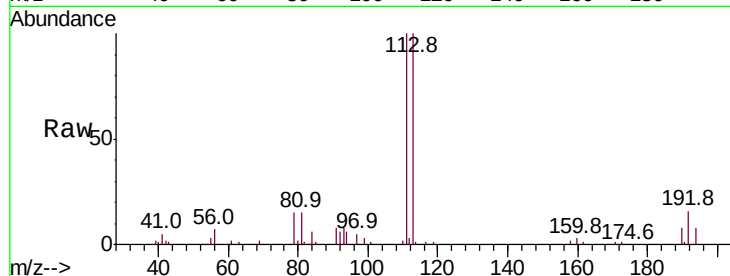
Tot Ion:113 Resp: 347015

Ion Ratio Lower Upper

113 100

111 99.9 78.5 117.7

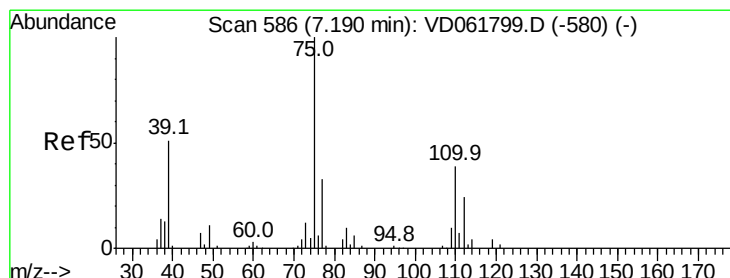
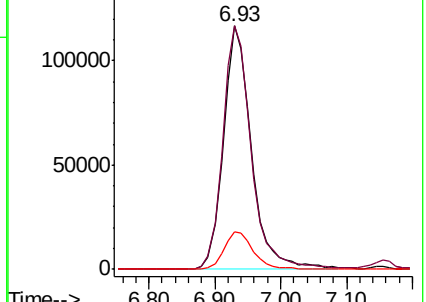
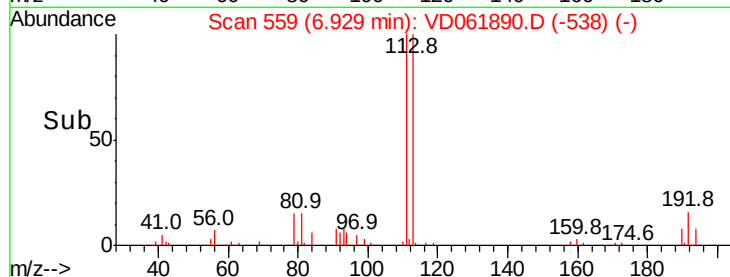
192 15.7 13.0 19.4



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: 22.926 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

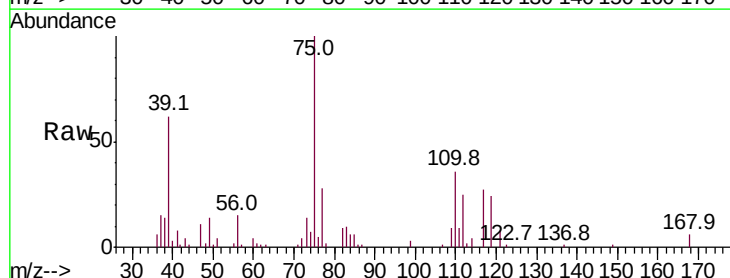
Tgt Ion: 75 Resp: 140222

Ion Ratio Lower Upper

75 100

110 36.1 19.1 57.1

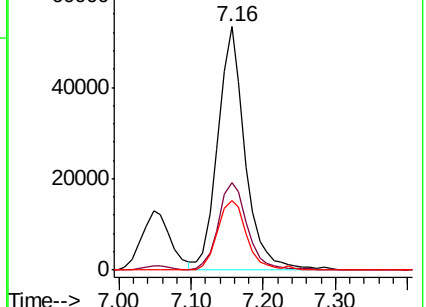
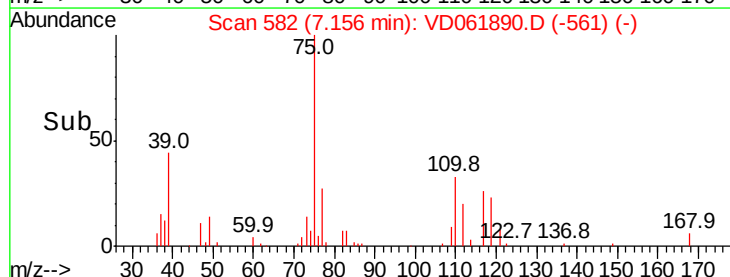
77 28.4 25.6 38.4

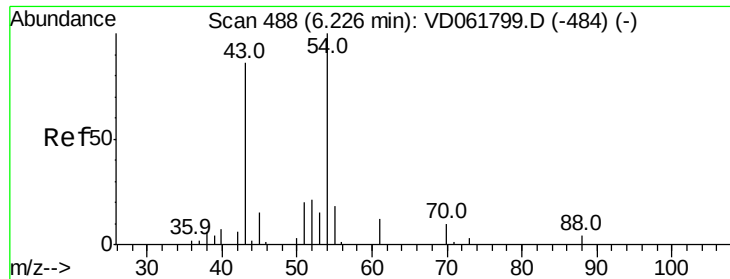


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

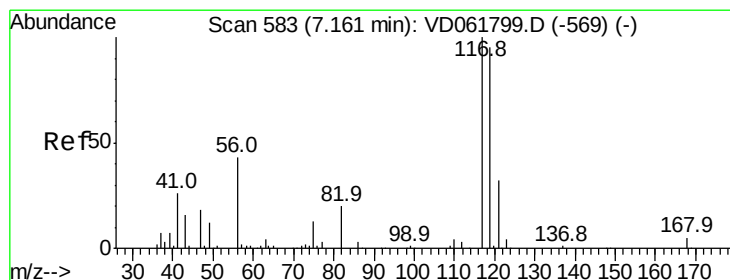
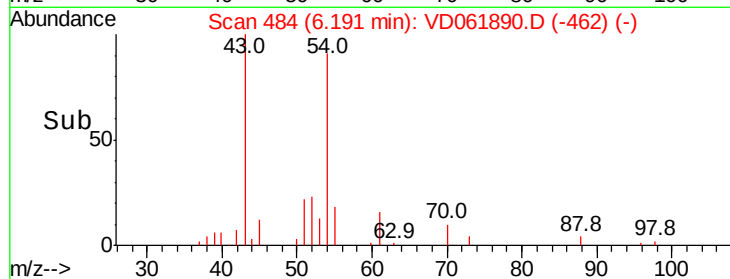
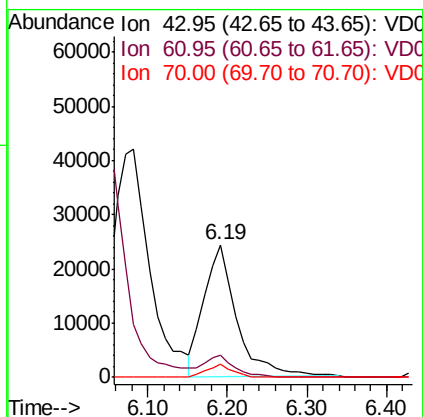
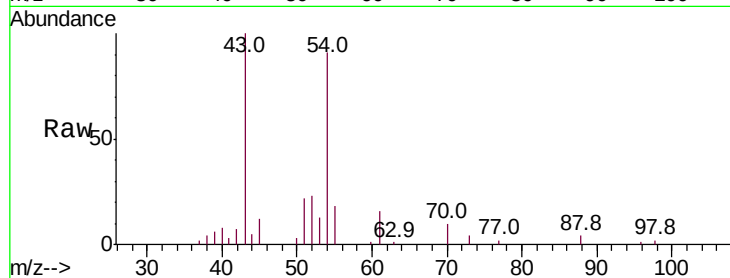




#37
Ethyl Acetate
Concen: 26.424 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

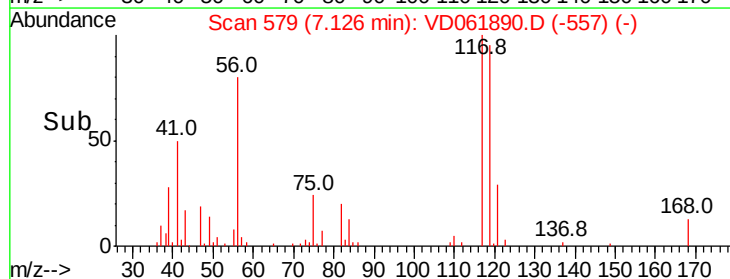
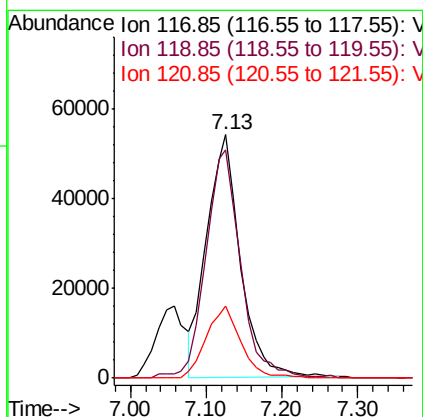
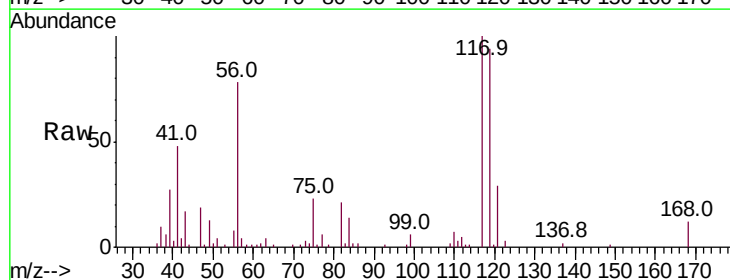
Instrument :
MSVOA_D
ClientSampleID :
VD0418SBS02

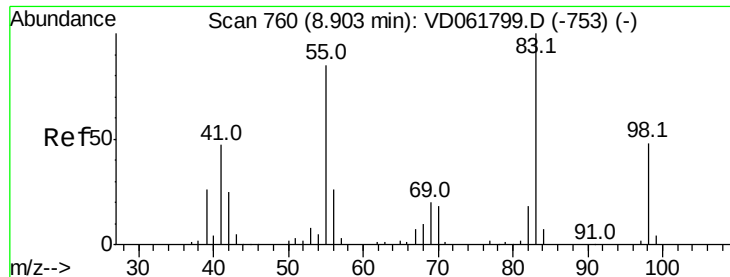
Tot Ion: 43 Resp: 69171
Ion Ratio Lower Upper
43 100
61 16.3 14.7 22.1
70 10.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 21.686 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion: 117 Resp: 167479
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.8
121 29.5 25.9 38.9

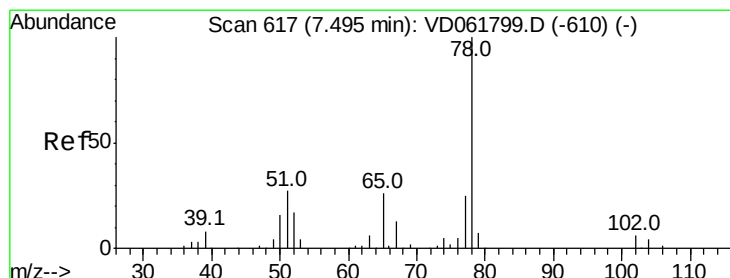
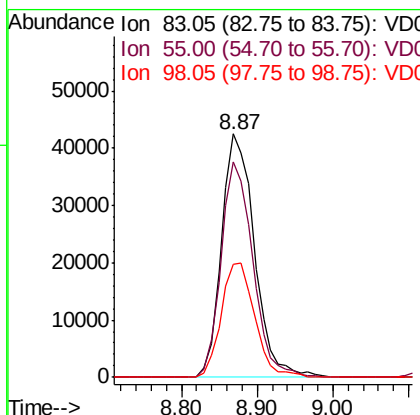
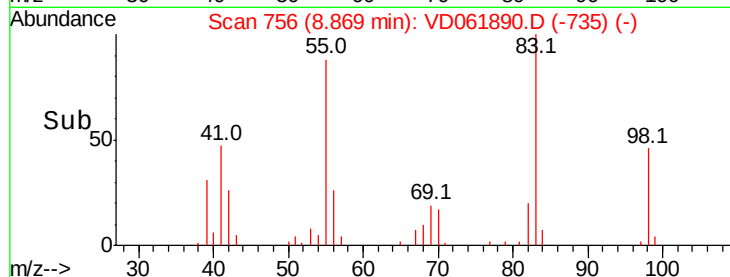
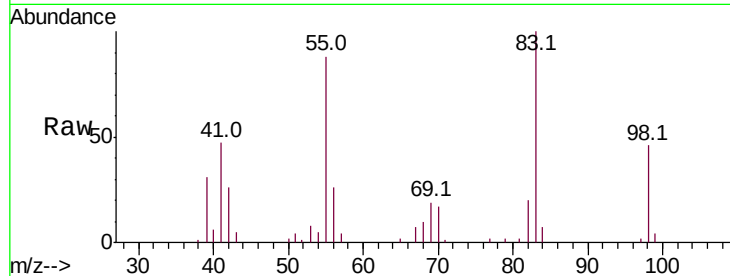




#39
Methylvlcyclohexane
Concen: 20.137 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

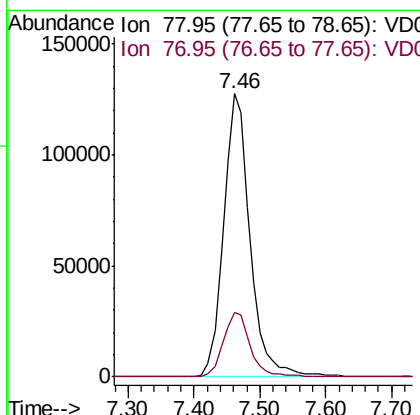
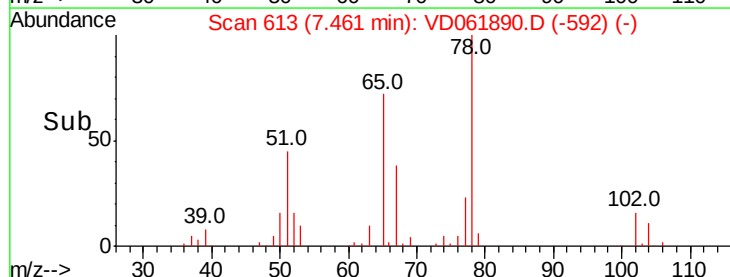
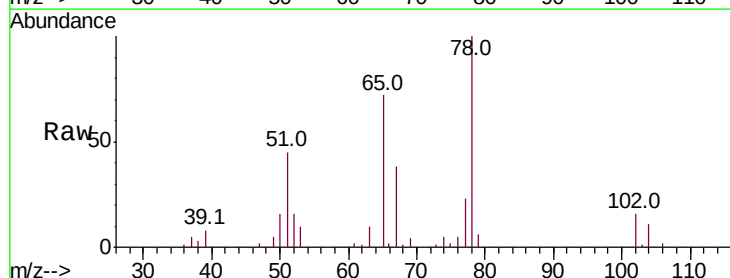
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

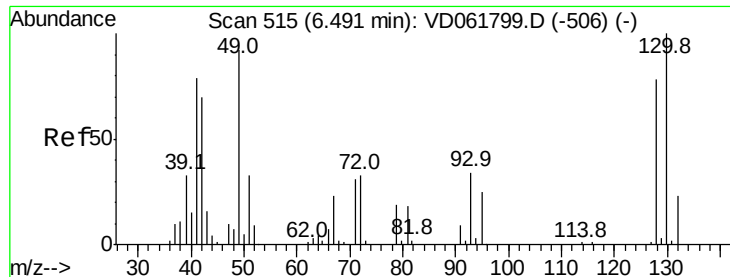
Tot Ion: 83 Resp: 127897
Ion Ratio Lower Upper
83 100
55 88.4 68.2 102.4
98 46.3 38.2 57.4



#40
Benzene
Concen: 24.345 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion: 78 Resp: 357477
Ion Ratio Lower Upper
78 100
77 22.8 19.7 29.5





#41

Methacrylonitrile

Concen: 27.497 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

Tot Ion: 41 Resp: 85076

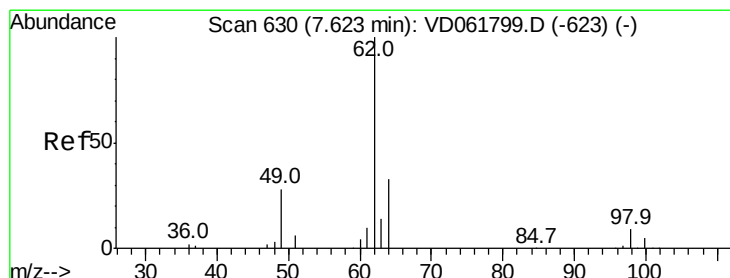
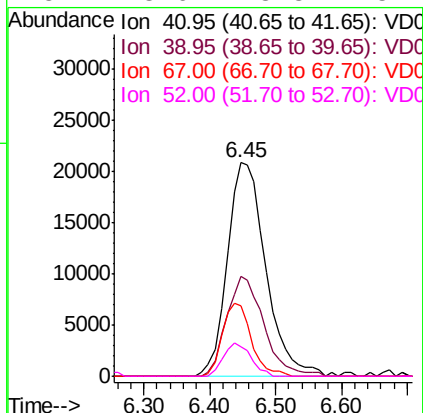
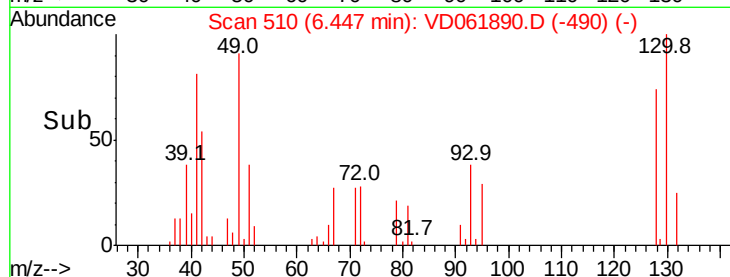
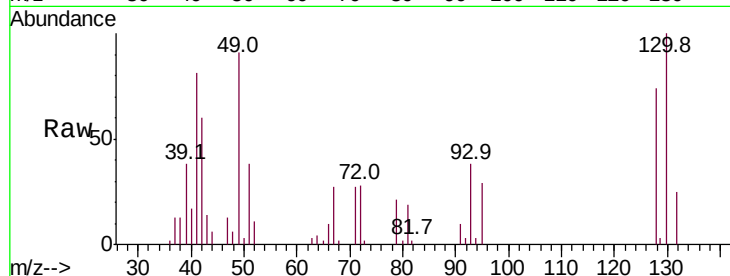
Ion Ratio Lower Upper

41 100

39 46.6 34.1 51.1

67 32.7 23.8 35.6

52 13.6 8.8 13.2#



#42

1,2-Dichloroethane

Concen: 25.224 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD061890.D

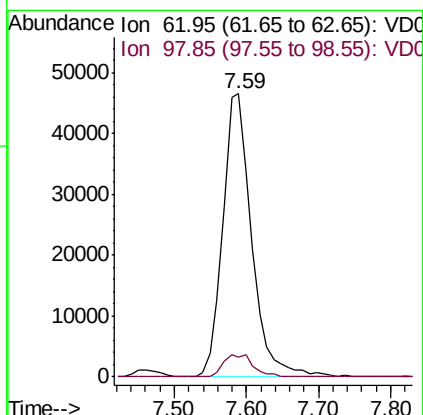
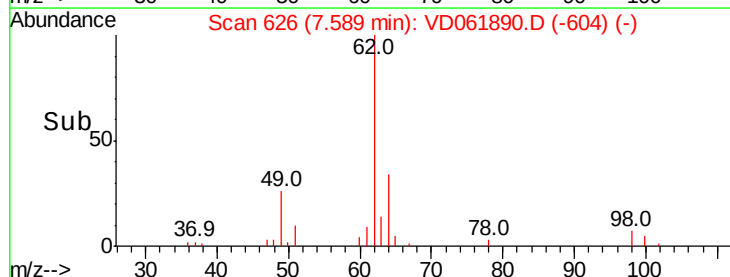
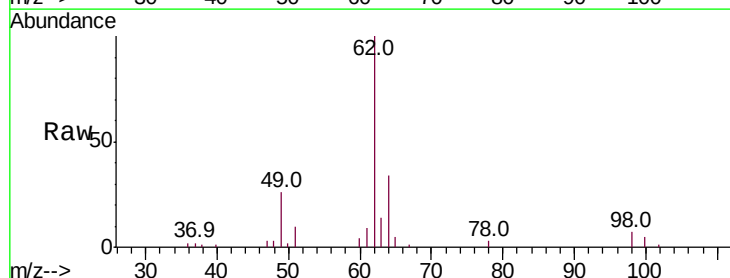
Acq: 19 Apr 2019 2:11

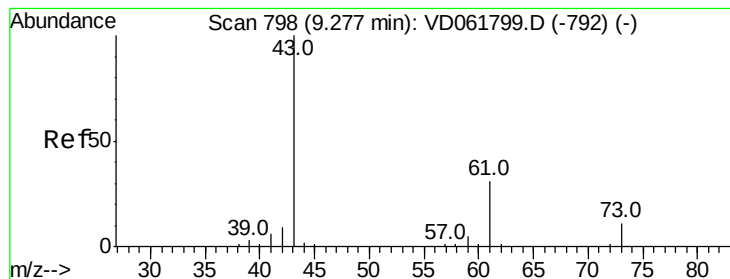
Tgt Ion: 62 Resp: 128997

Ion Ratio Lower Upper

62 100

98 6.9 0.0 17.8





#43

Isopropyl Acetate

Concen: 26.612 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

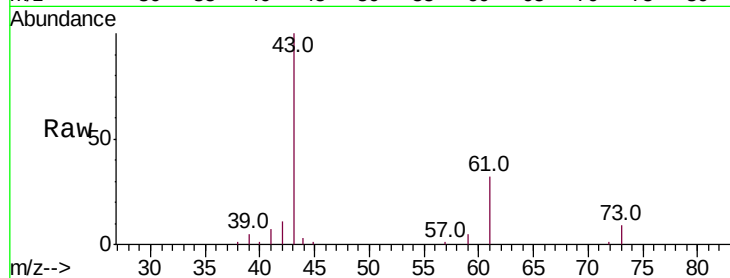
Tot Ion: 43 Resp: 98031

Ion Ratio Lower Upper

43 100

61 32.3 25.1 37.7

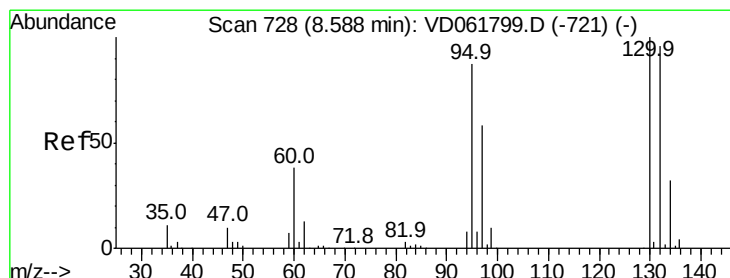
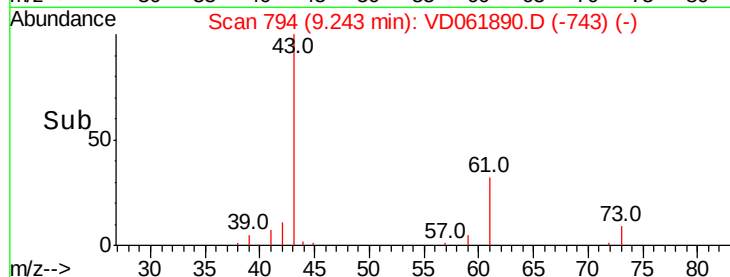
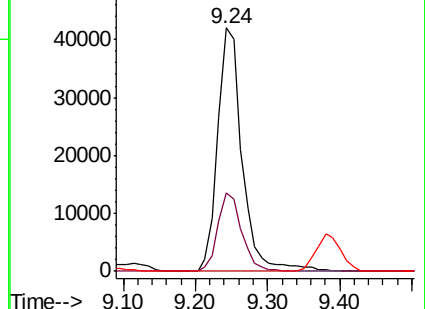
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.626 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD061890.D

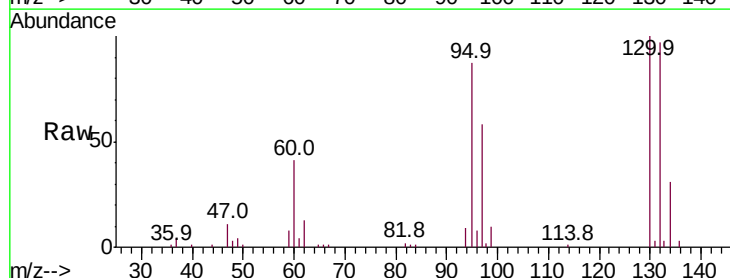
Acq: 19 Apr 2019 2:11

Tgt Ion: 130 Resp: 127896

Ion Ratio Lower Upper

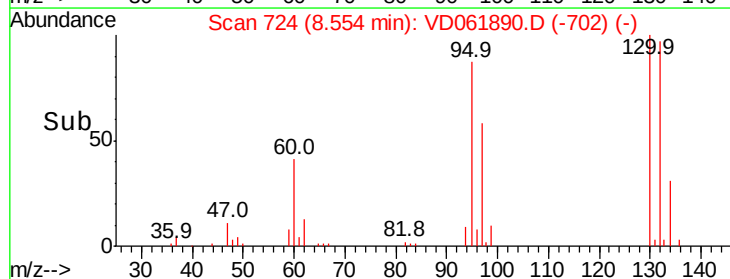
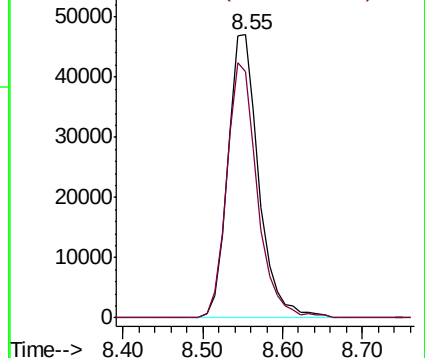
130 100

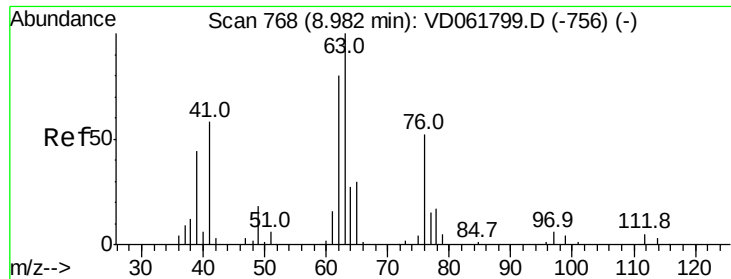
95 86.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

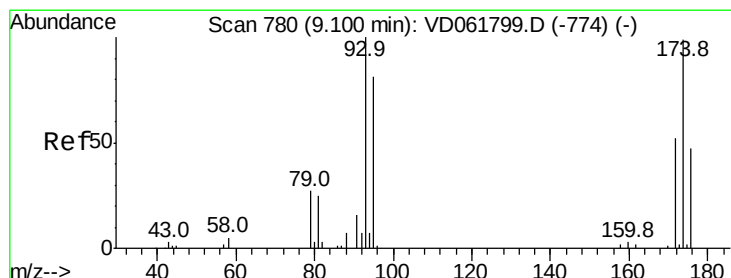
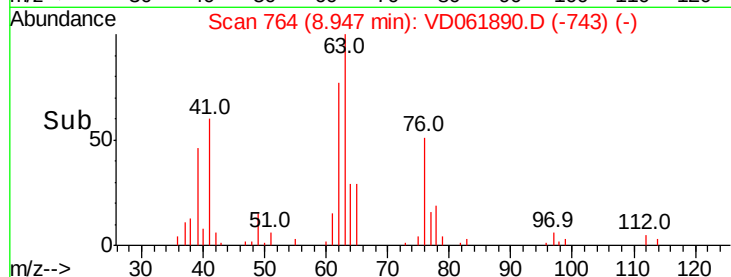
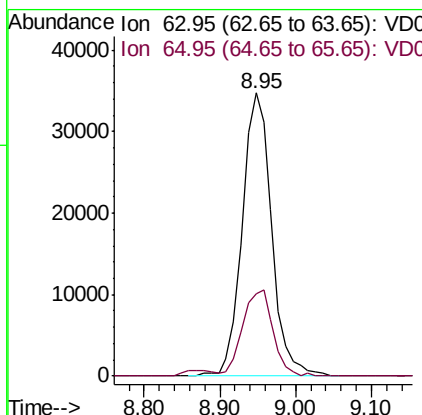
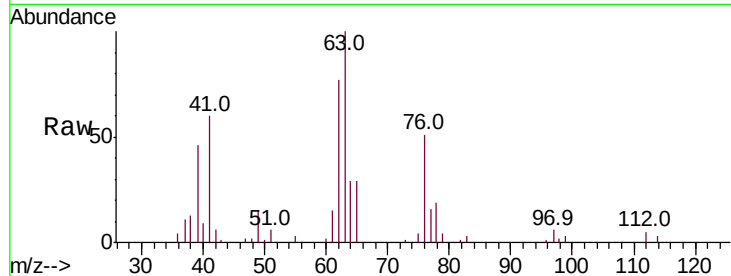




#45
 1,2-Dichloropropane
 Concen: 24.519 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

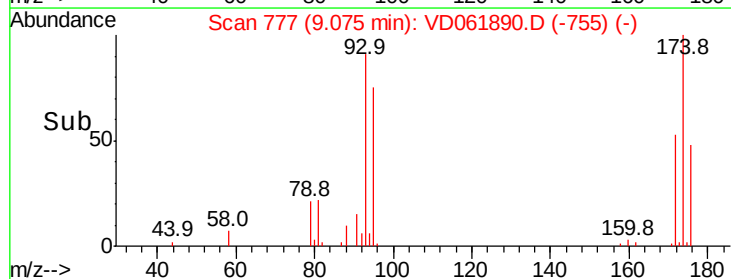
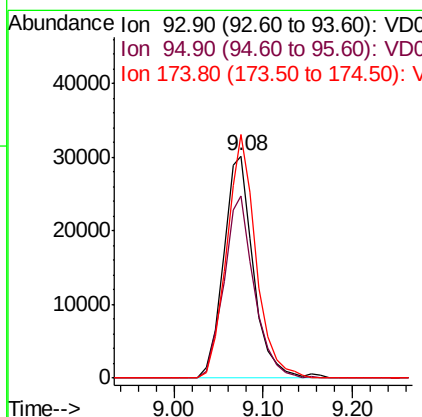
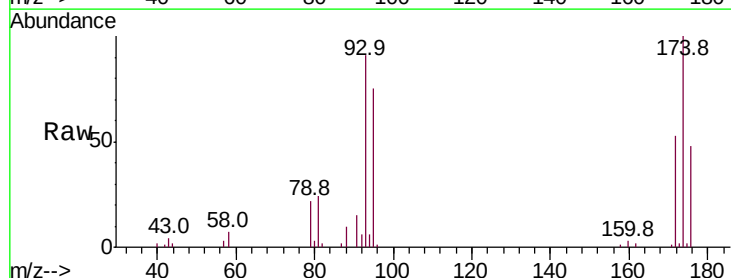
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

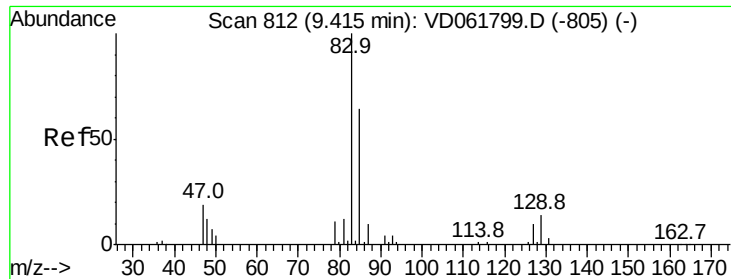
Tot Ion: 63 Resp: 93779
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.8 35.6



#46
 Dibromomethane
 Concen: 25.993 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.02 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 93 Resp: 70839
 Ion Ratio Lower Upper
 93 100
 95 82.1 64.8 97.2
 174 109.6 79.3 118.9





#47

Bromodichloromethane

Concen: 23.837 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

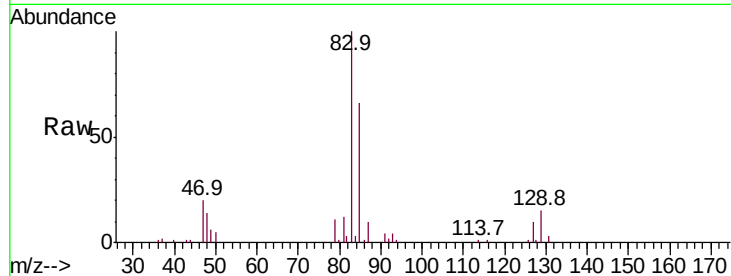
Tot Ion: 83 Resp: 149867

Ion Ratio Lower Upper

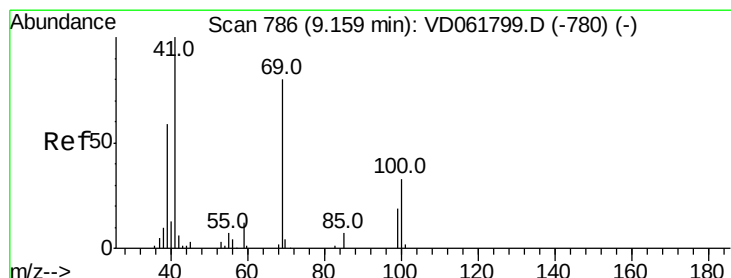
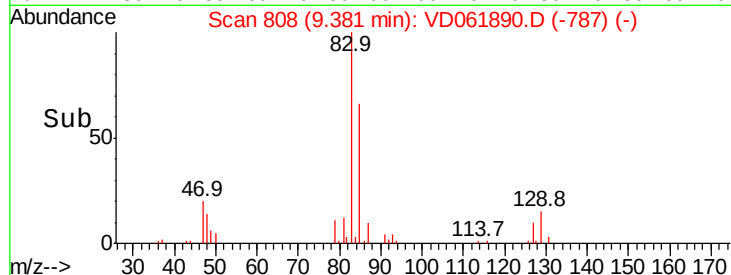
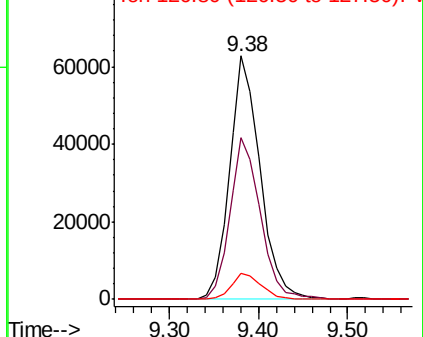
83 100

85 66.3 50.9 76.3

127 10.5 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: 27.392 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

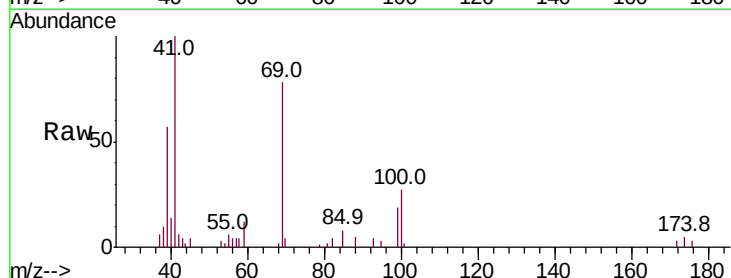
Tgt Ion: 41 Resp: 59312

Ion Ratio Lower Upper

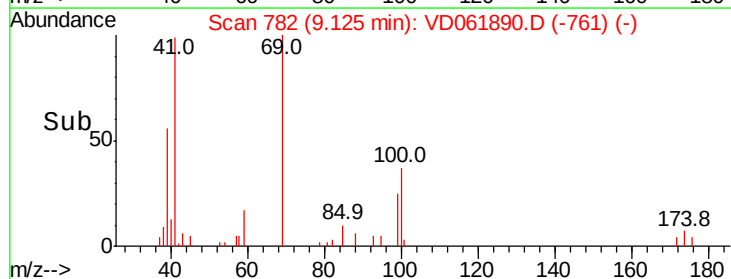
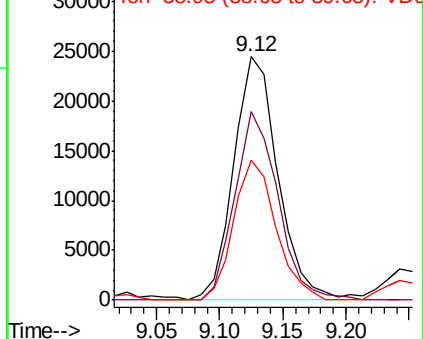
41 100

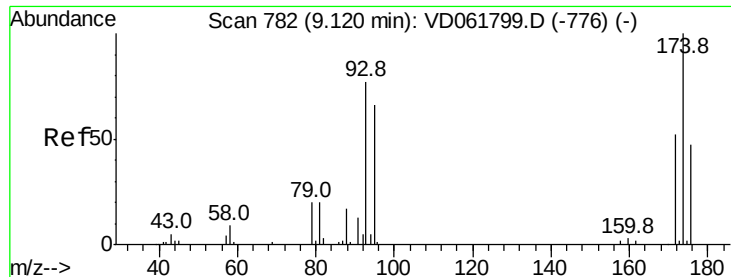
69 77.6 64.2 96.2

39 57.4 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

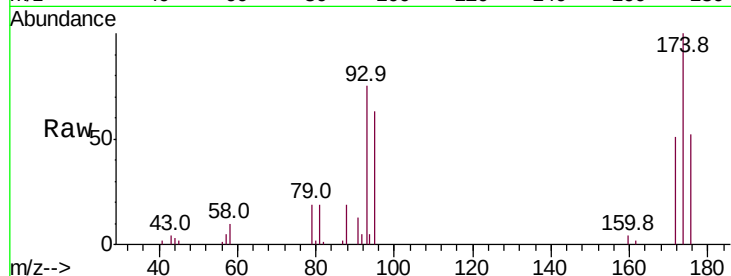




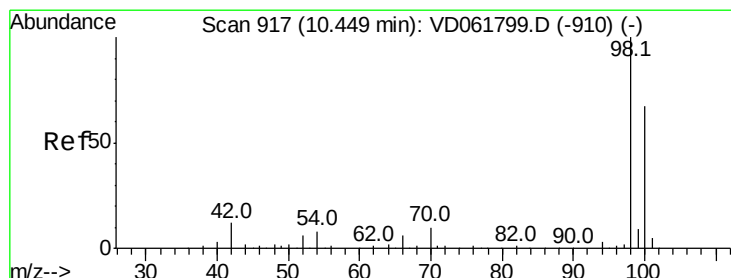
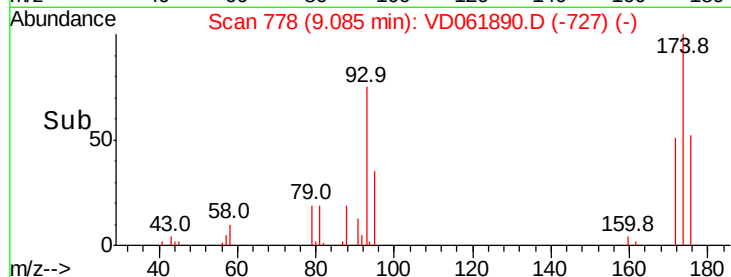
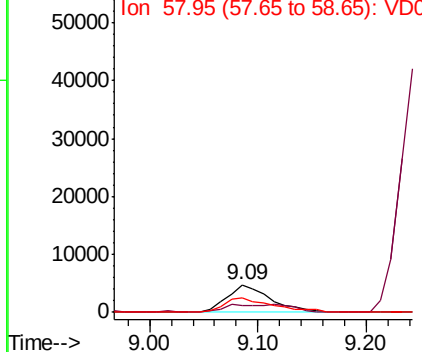
#49
 1,4-Dioxane
 Concen: 562.124 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion: 88 Resp: 13304
 Ion Ratio Lower Upper
 88 100
 43 23.8 23.4 35.0
 58 53.6 44.0 66.0

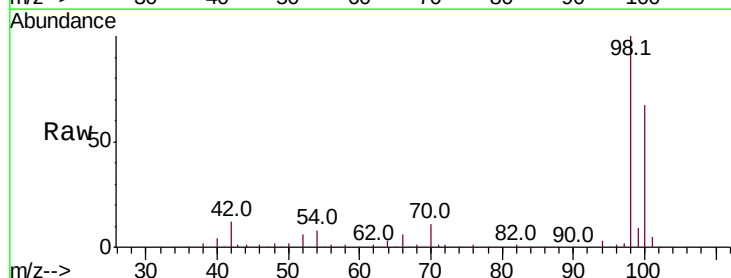


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

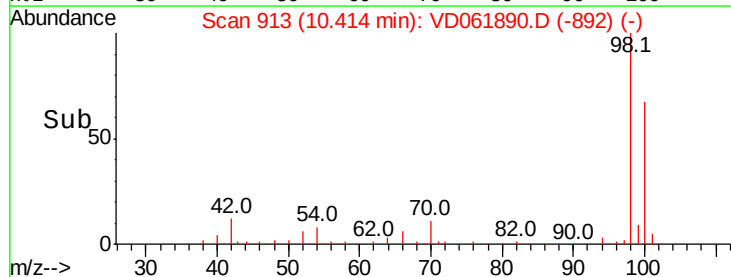
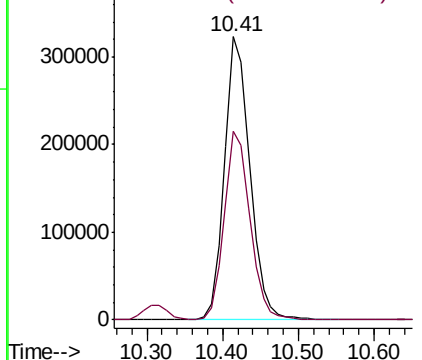


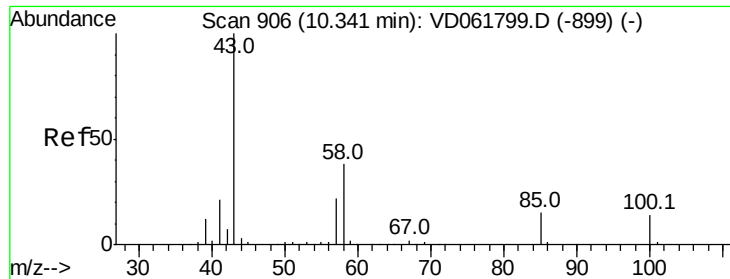
#50
 Toluene-d8
 Concen: 562.124 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 98 Resp: 750840
 Ion Ratio Lower Upper
 98 100
 100 66.7 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: 141.161 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

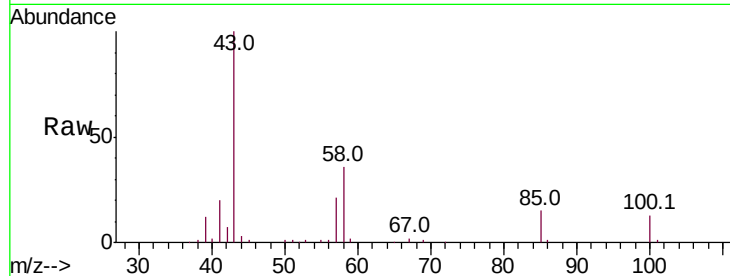
VD0418SBS02

Tot Ion: 43 Resp: 317998

Ion Ratio Lower Upper

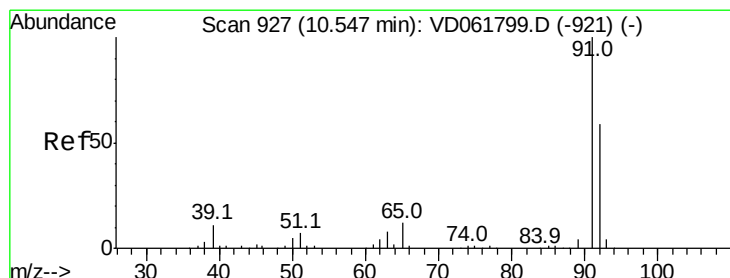
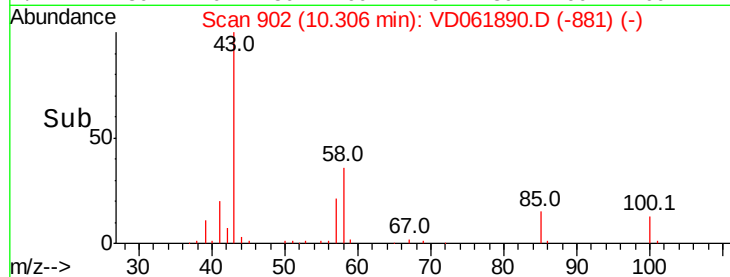
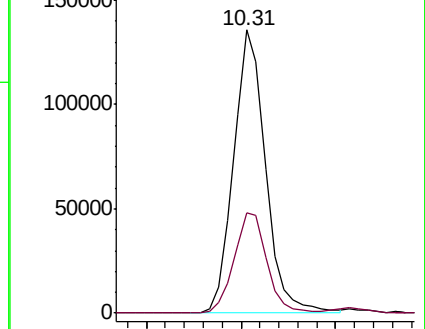
43 100

58 35.6 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: 23.714 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061890.D

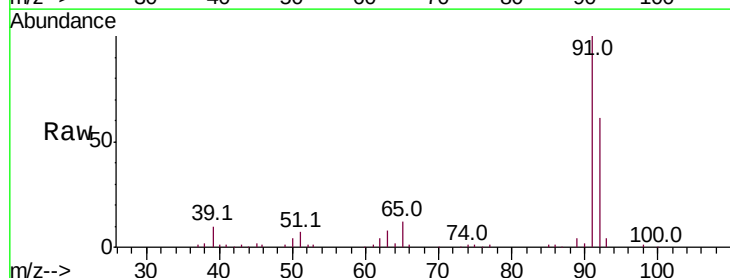
Acq: 19 Apr 2019 2:11

Tgt Ion: 92 Resp: 223141

Ion Ratio Lower Upper

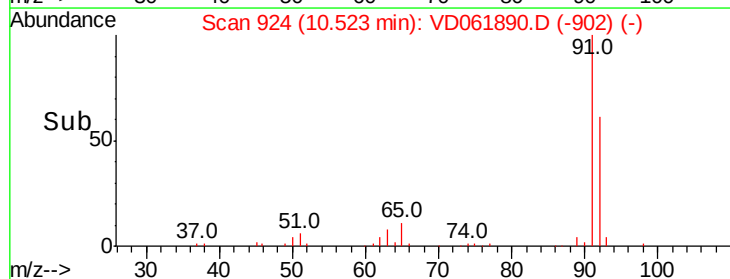
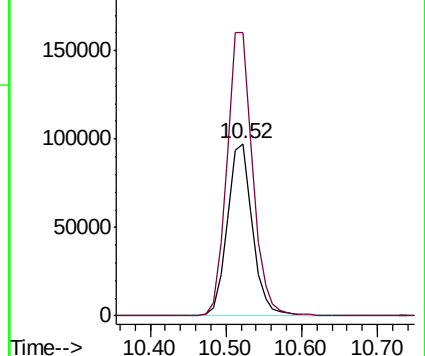
92 100

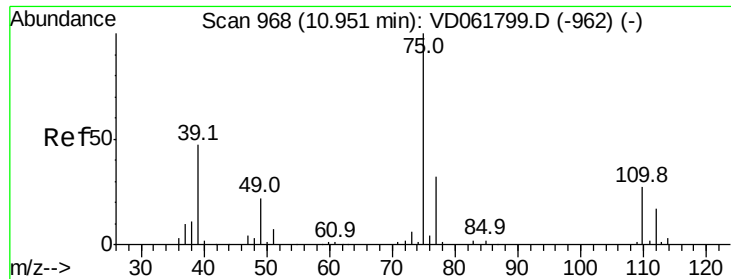
91 163.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

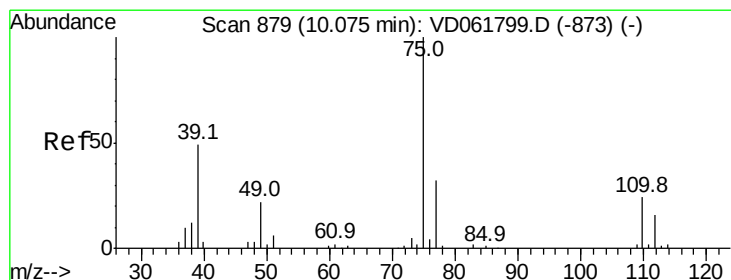
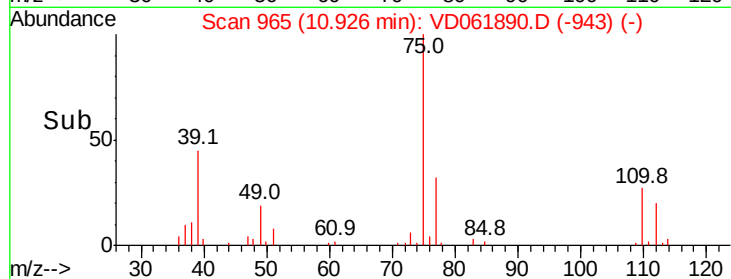
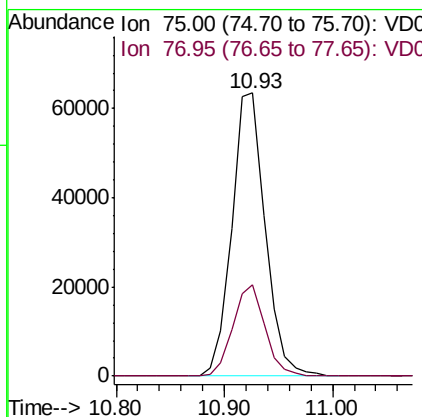
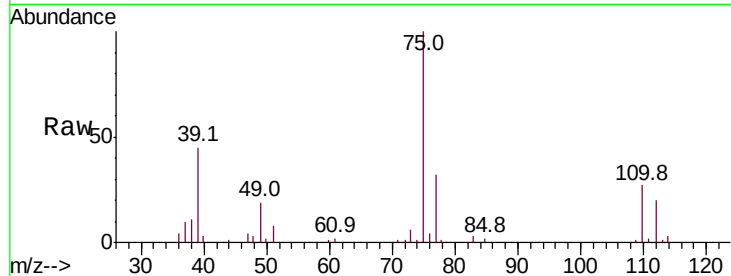




#53
 t-1,3-Dichloropropene
 Concen: 23.958 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

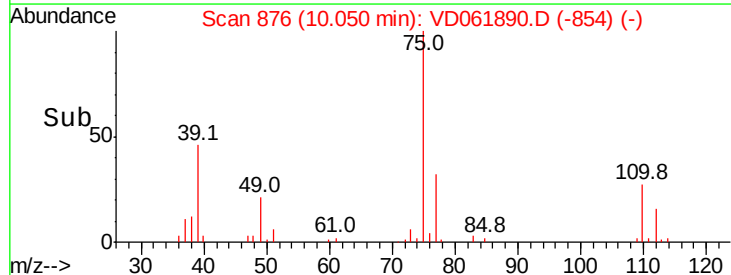
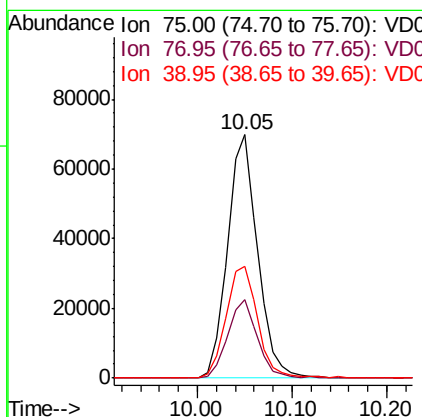
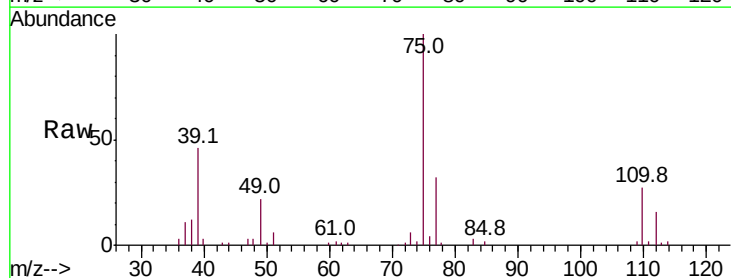
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

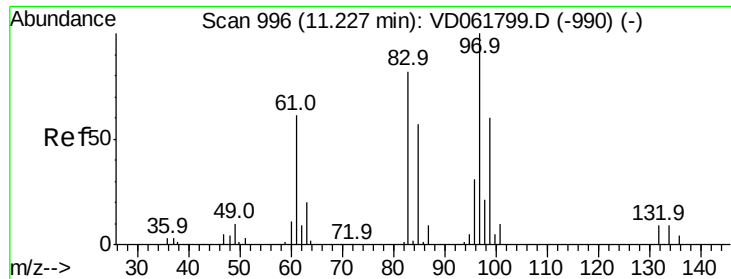
Tot Ion: 75 Resp: 135729
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.035 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 75 Resp: 153182
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3
 39 46.0 39.4 59.2

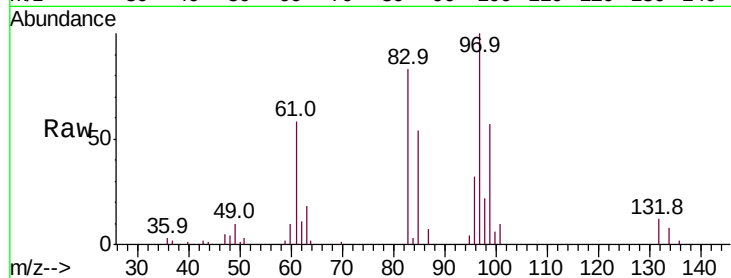




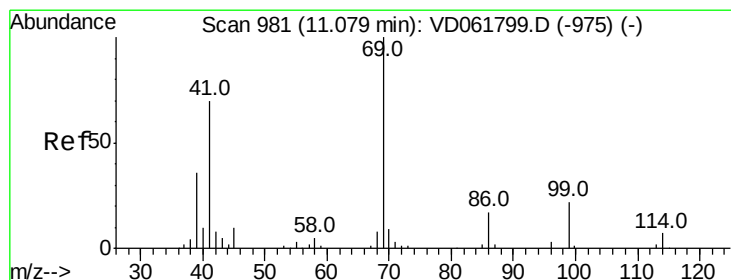
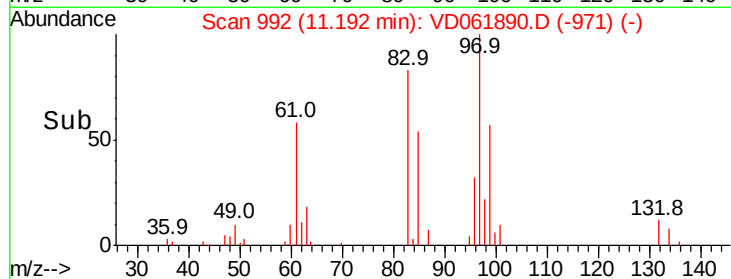
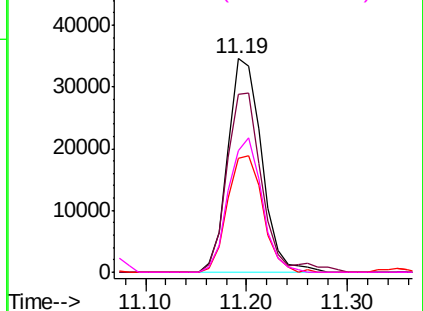
#55
1,1,2-Trichloroethane
Concen: 25.479 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:	97	Resp:	80788
Ion	Ratio	Lower	Upper
97	100		
83	83.2	65.7	98.5
85	53.5	45.6	68.4
99	57.0	48.4	72.6

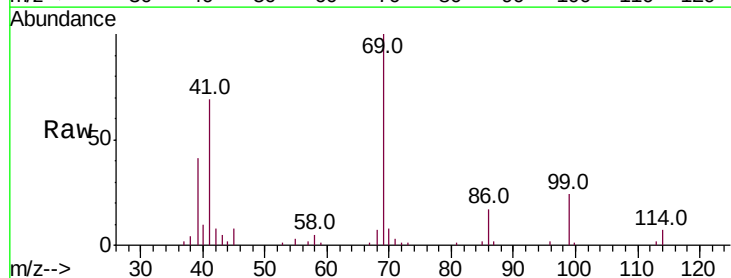


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

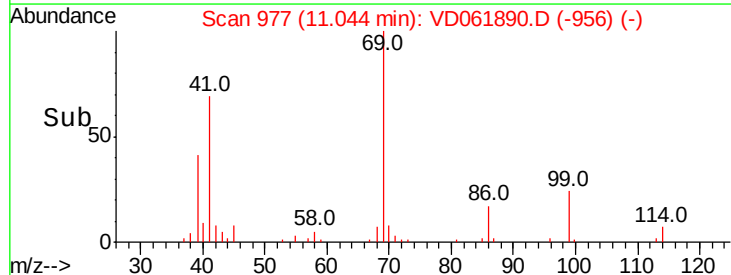
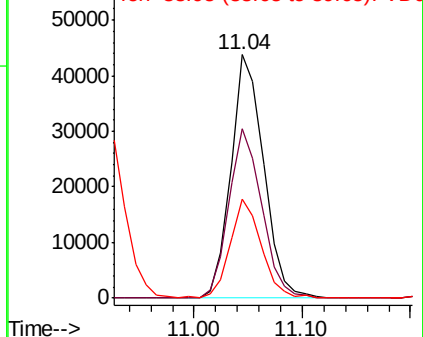


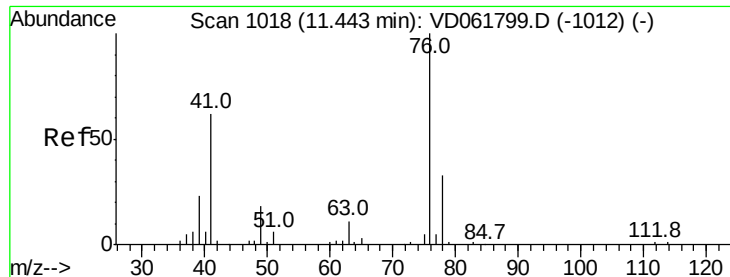
#56
Ethyl methacrylate
Concen: 26.402 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion:	69	Resp:	91879
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.3	84.5
39	40.8	29.4	44.2



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





#57

1,3-Dichloropropane

Concen: 24.223 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

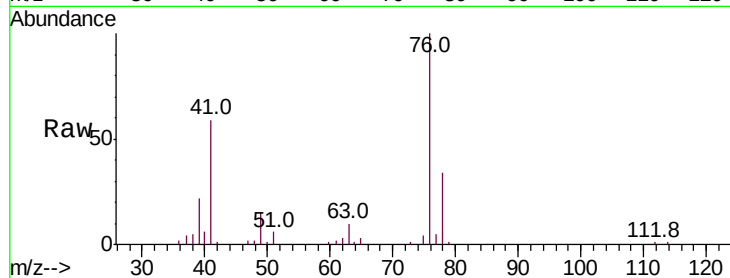
VD0418SBS02

Tot Ion: 76 Resp: 115467

Ion Ratio Lower Upper

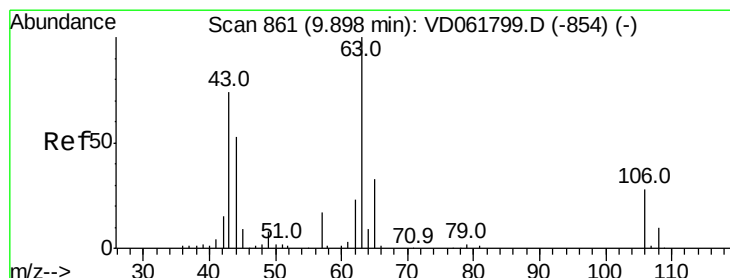
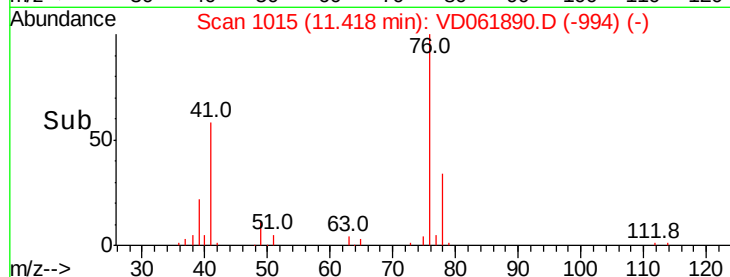
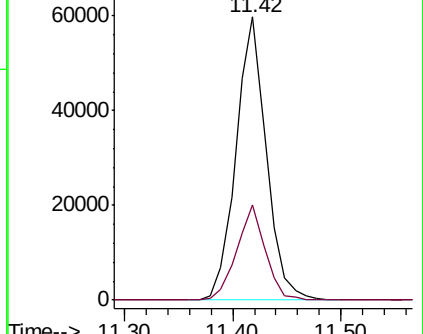
76 100

78 33.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 132.399 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD061890.D

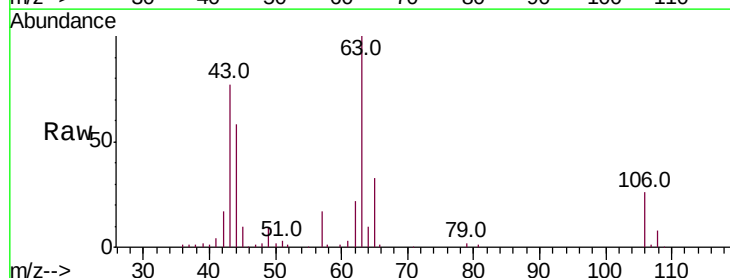
Acq: 19 Apr 2019 2:11

Tgt Ion: 63 Resp: 219153

Ion Ratio Lower Upper

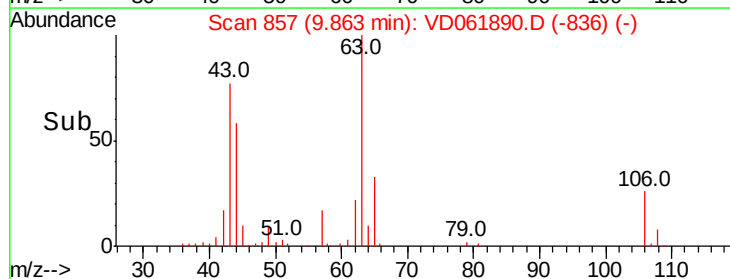
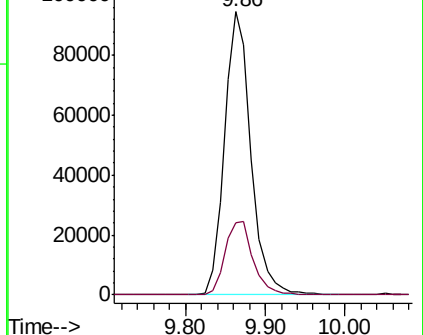
63 100

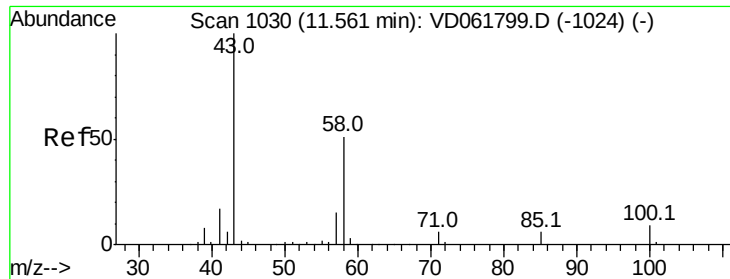
106 25.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 133.450 ug/l

RT: 11.54 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

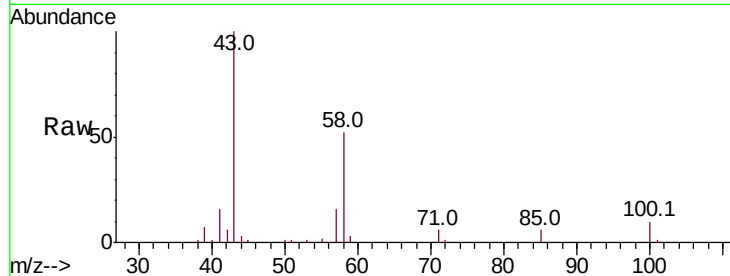
VD0418SBS02

Tot Ion: 43 Resp: 223283

Ion Ratio Lower Upper

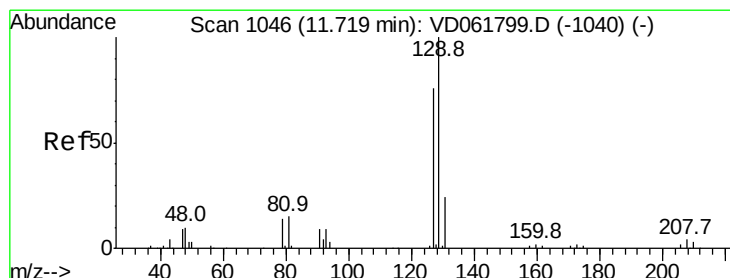
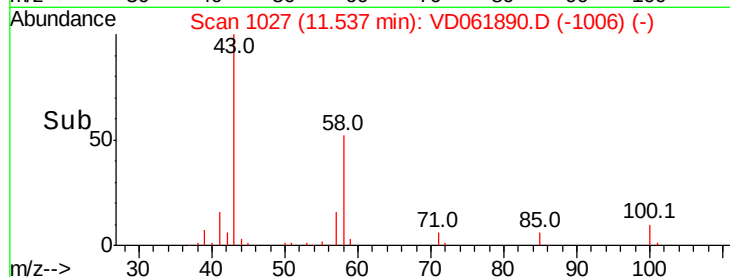
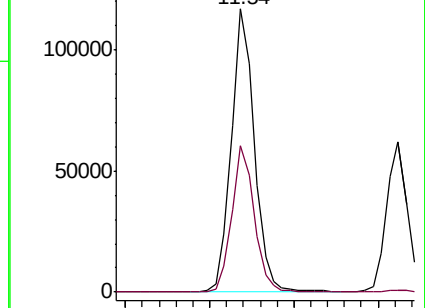
43 100

58 51.9 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 25.802 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VD061890.D

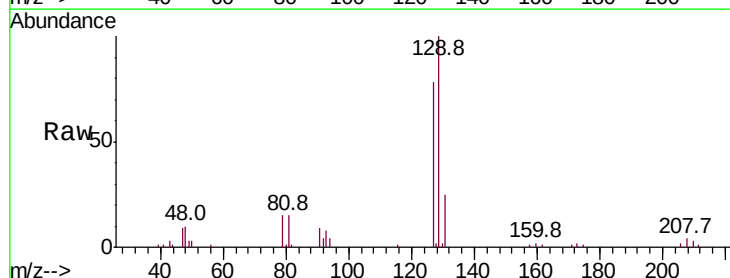
Acq: 19 Apr 2019 2:11

Tgt Ion: 129 Resp: 133864

Ion Ratio Lower Upper

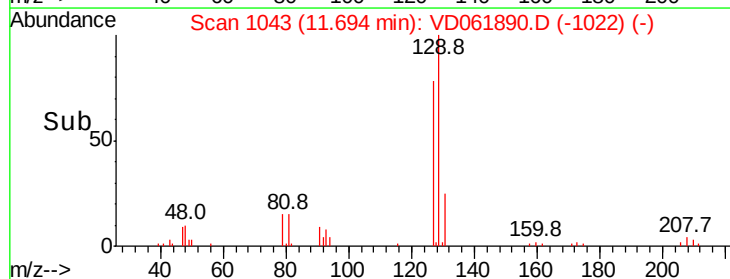
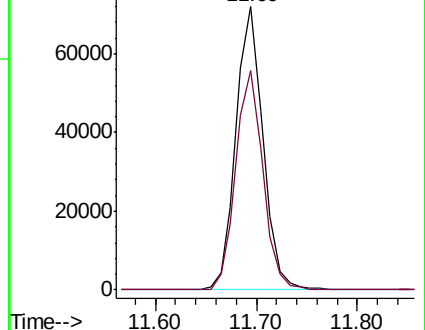
129 100

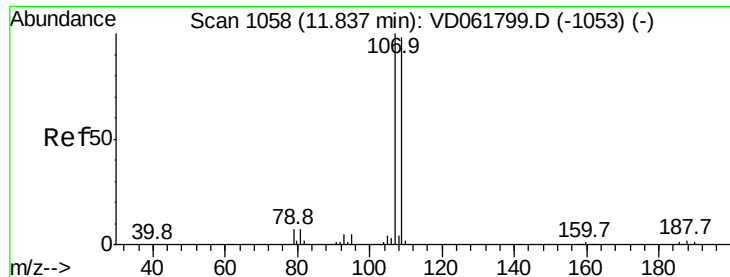
127 77.5 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

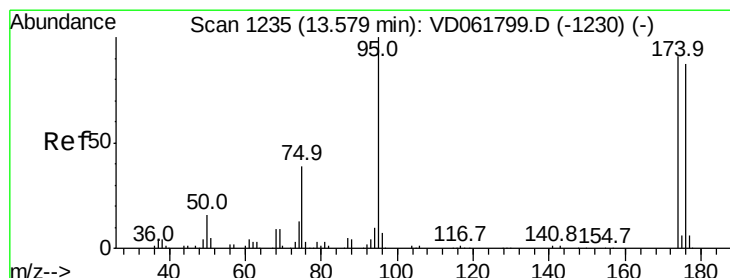
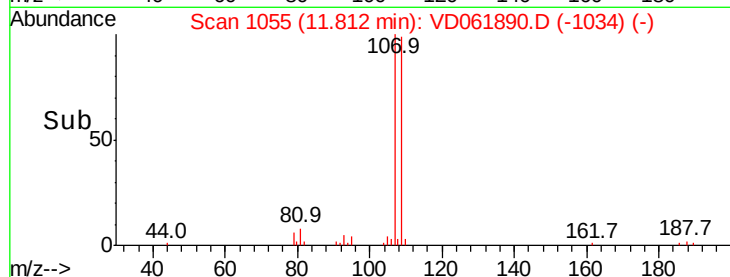
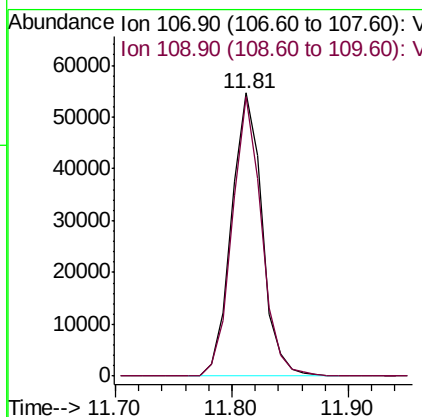
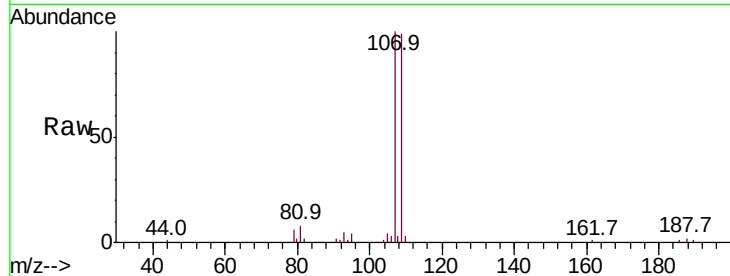




#61
 1,2-Dibromoethane
 Concen: 25.510 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

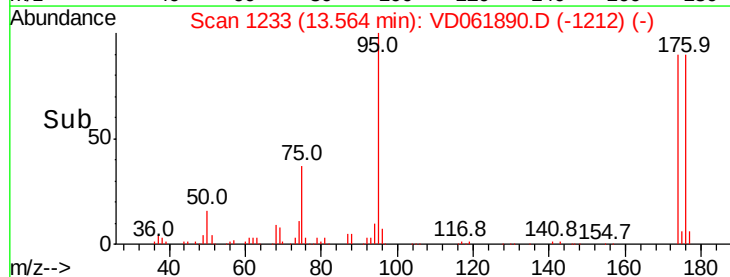
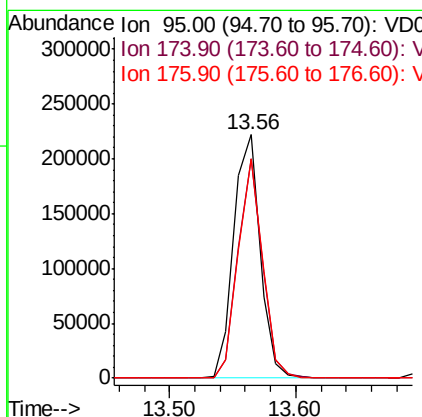
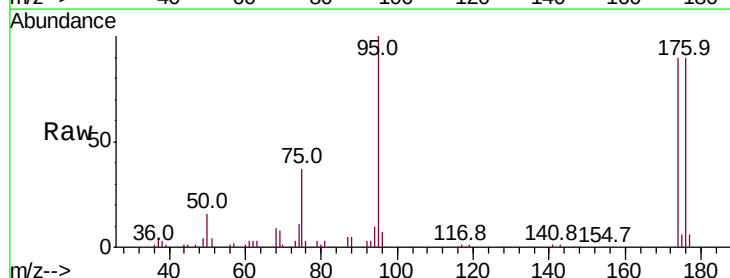
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

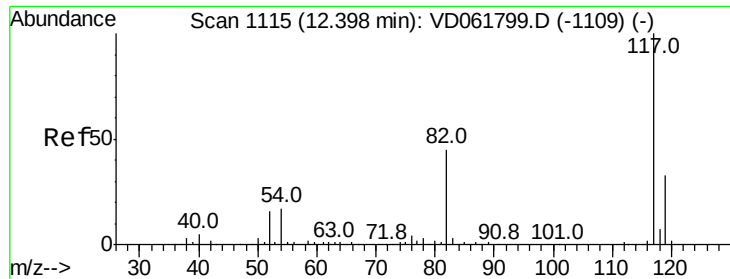
Tot Ion:107 Resp: 99457
 Ion Ratio Lower Upper
 107 100
 109 98.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 25.510 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 95 Resp: 320944
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 181.8
 176 89.8 0.0 174.4

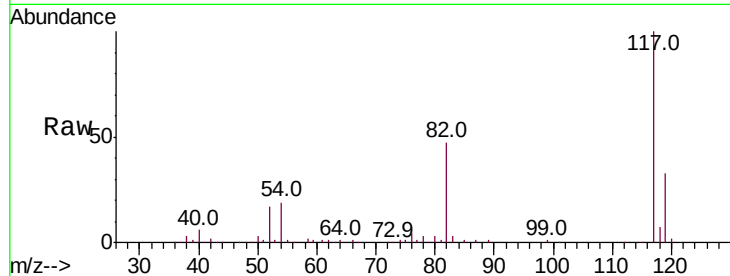




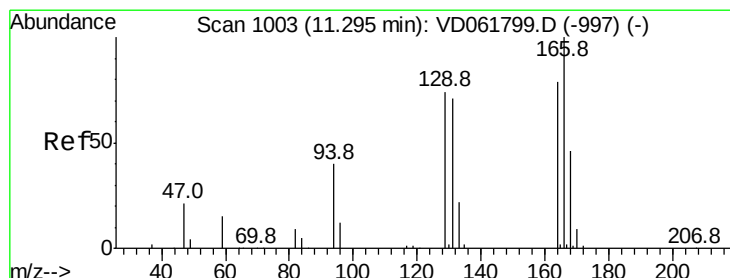
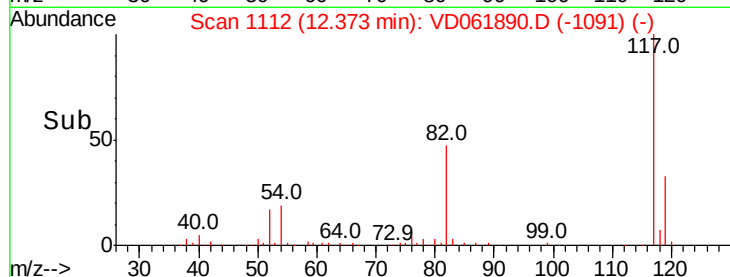
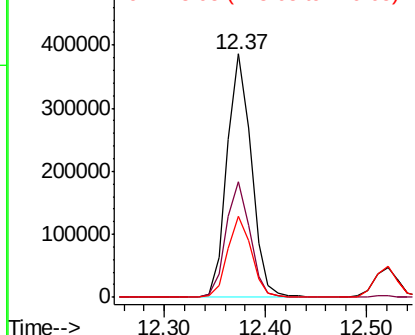
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:117 Resp: 646861
Ion Ratio Lower Upper
117 100
82 47.5 36.2 54.2
119 33.0 26.2 39.4

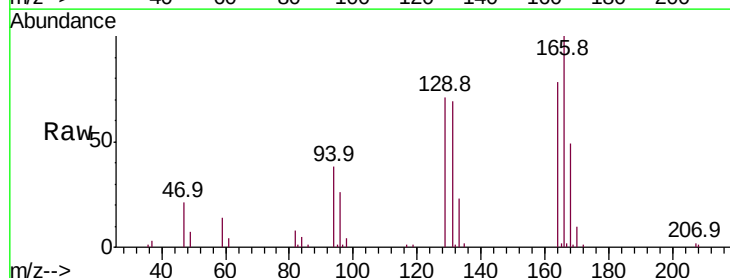


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

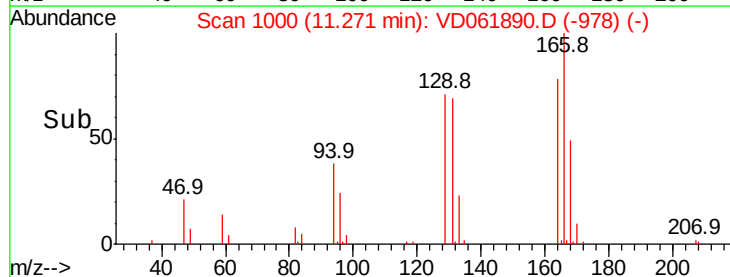
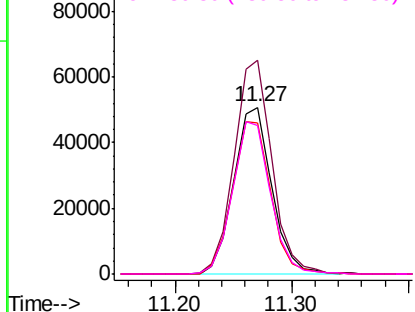


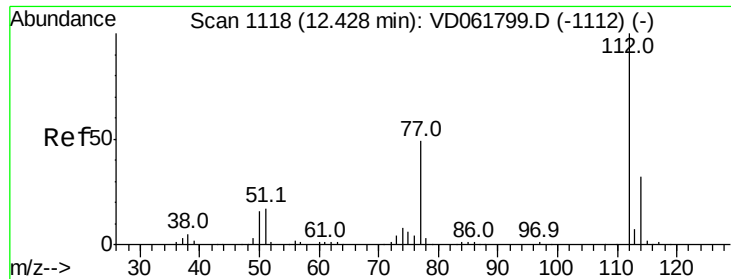
#64
Tetrachloroethene
Concen: 23.648 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion:164 Resp: 114722
Ion Ratio Lower Upper
164 100
166 127.9 101.5 152.3
129 90.2 74.6 112.0
131 88.7 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

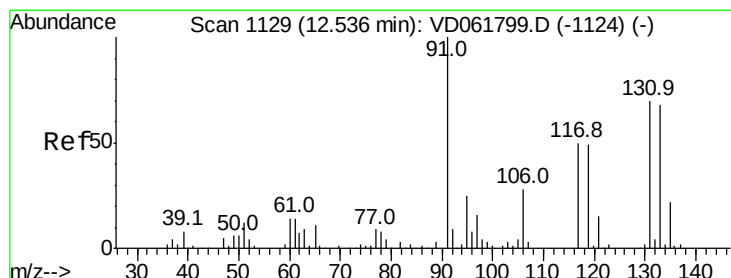
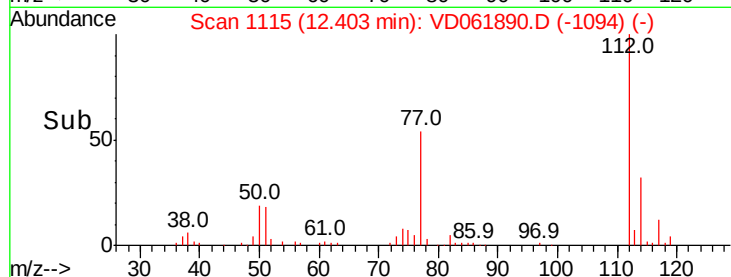
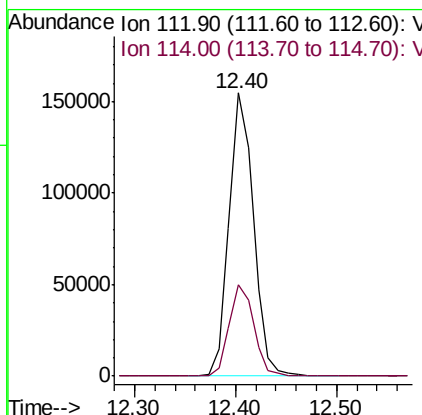
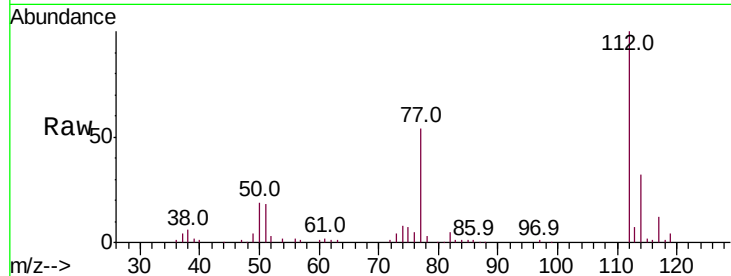




#65
Chlorobenzene
Concen: 21.524 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

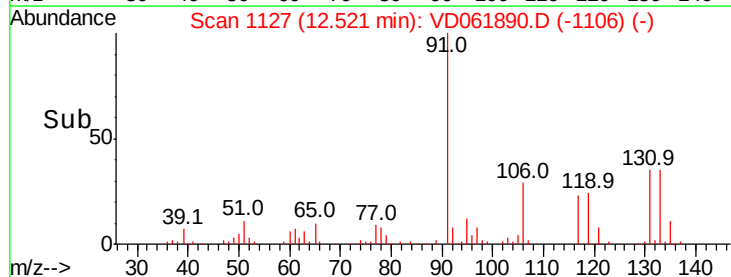
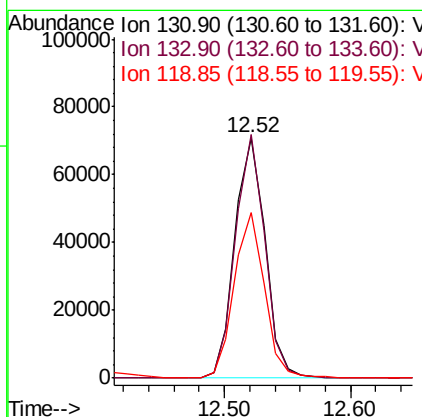
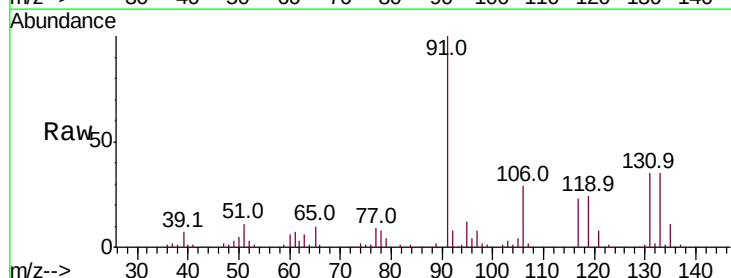
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

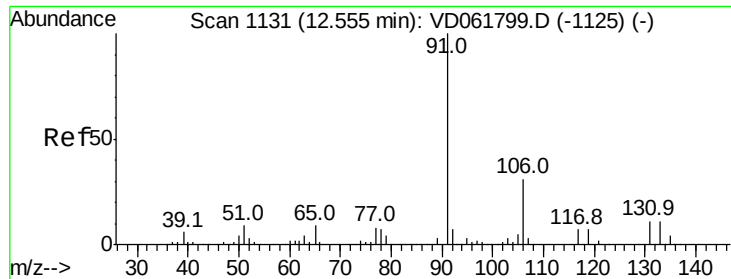
Tot Ion:112 Resp: 259297
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.481 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion:131 Resp: 118541
Ion Ratio Lower Upper
131 100
133 101.5 48.6 145.8
119 68.8 34.7 104.1

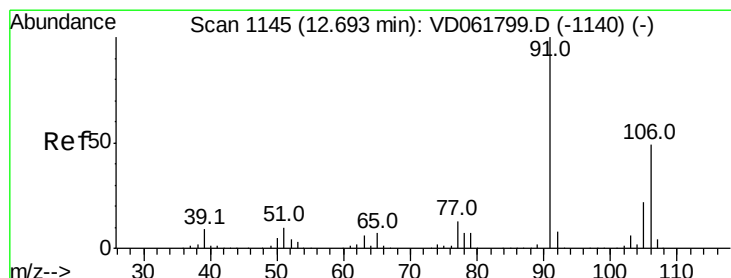
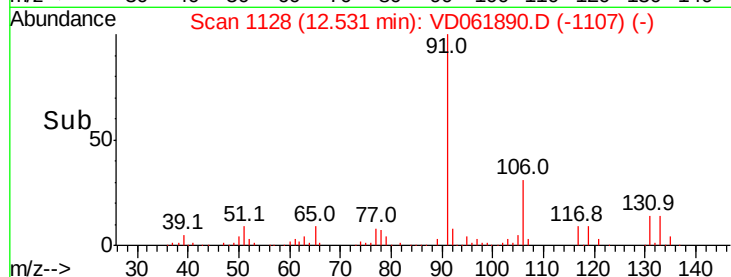
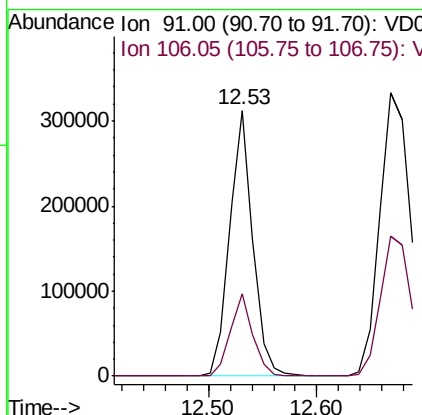
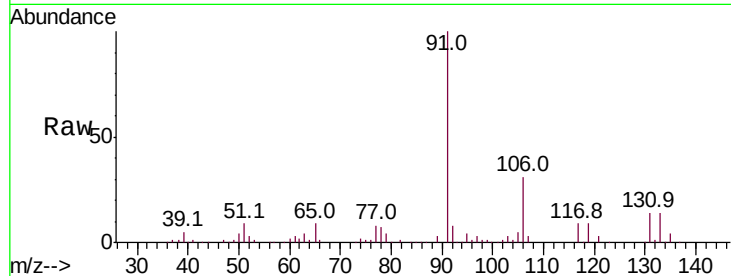




#67
Ethyl Benzene
Concen: 24.057 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

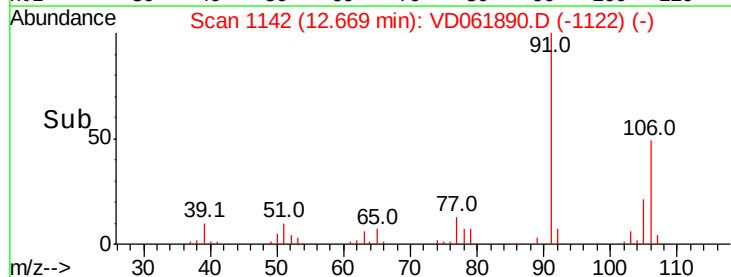
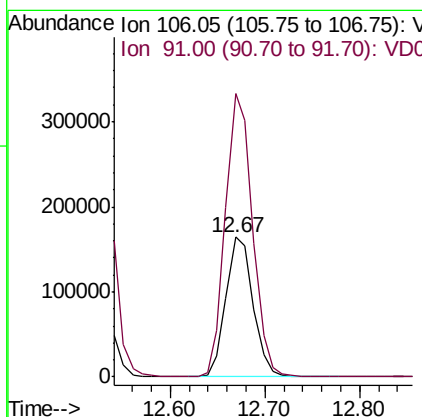
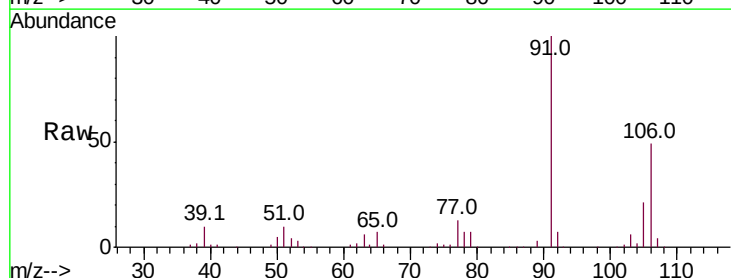
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

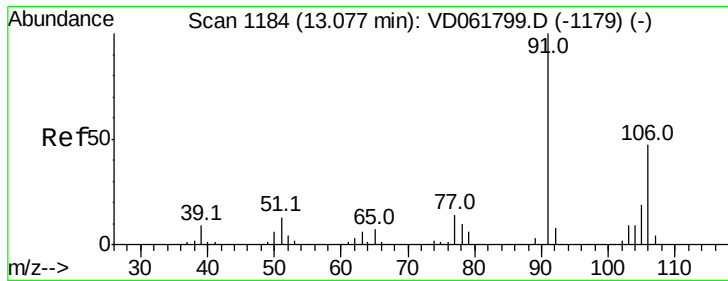
Tot Ion: 91 Resp: 464114
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 44.970 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion:106 Resp: 325886
Ion Ratio Lower Upper
106 100
91 202.6 164.0 246.0

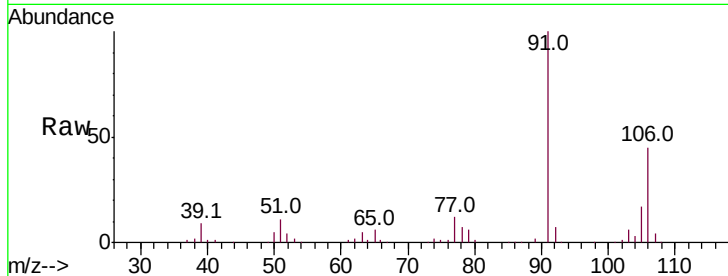




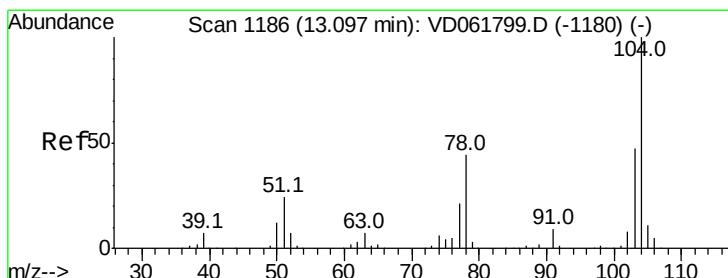
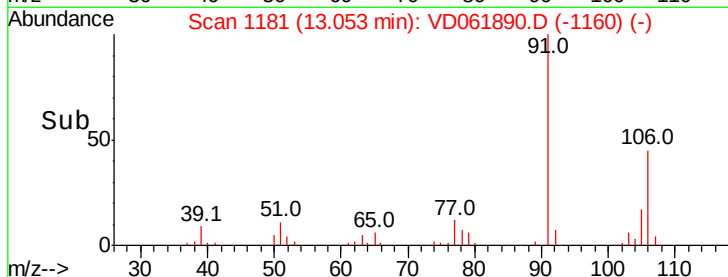
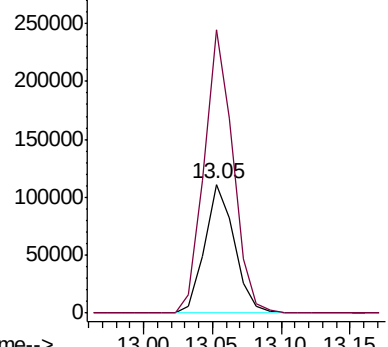
#69
o-Xylene
Concen: 24.491 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:106 Resp: 166818
Ion Ratio Lower Upper
106 100
91 220.2 106.7 319.9

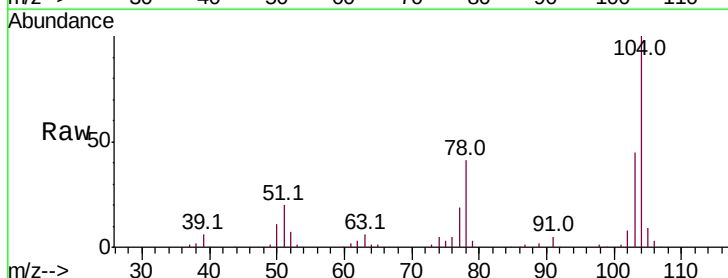


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

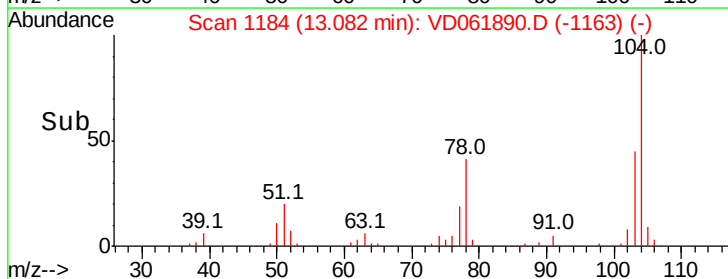
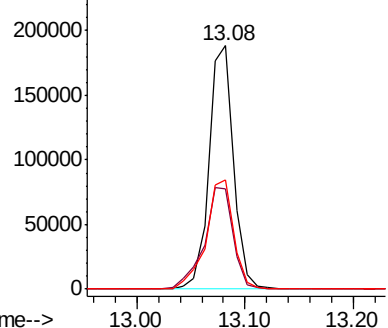


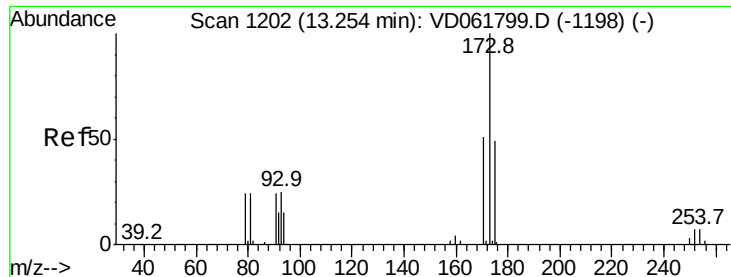
#70
Styrene
Concen: 25.299 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion:104 Resp: 296534
Ion Ratio Lower Upper
104 100
78 41.4 35.4 53.2
103 44.8 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: 24.876 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

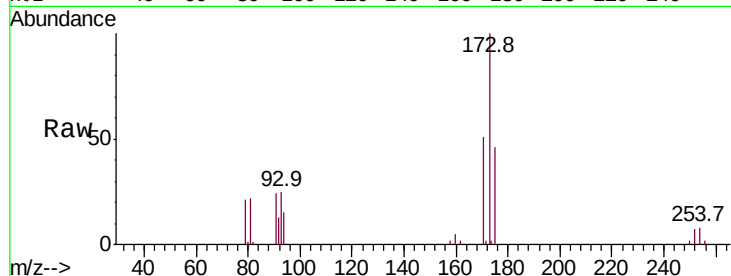
Tot Ion:173 Resp: 74543

Ion Ratio Lower Upper

173 100

175 45.9 24.4 73.4

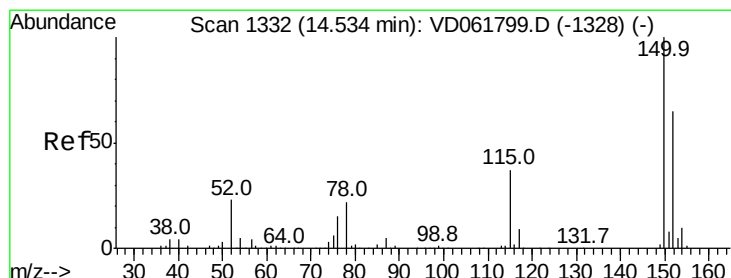
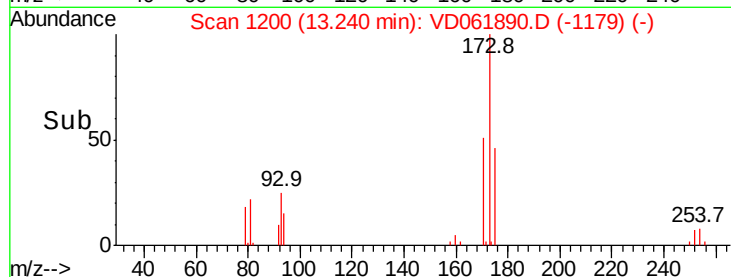
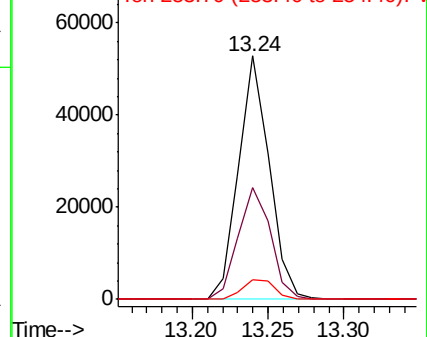
254 8.0 5.4 8.2



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

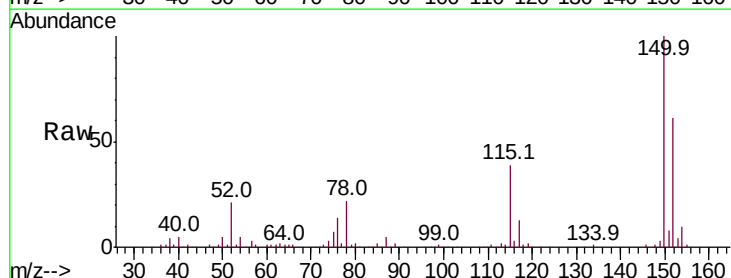
Tgt Ion:152 Resp: 313269

Ion Ratio Lower Upper

152 100

115 63.3 30.9 92.7

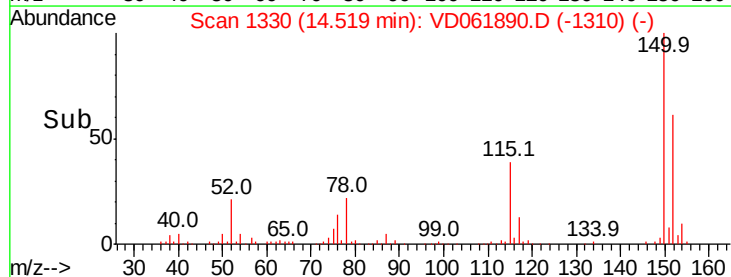
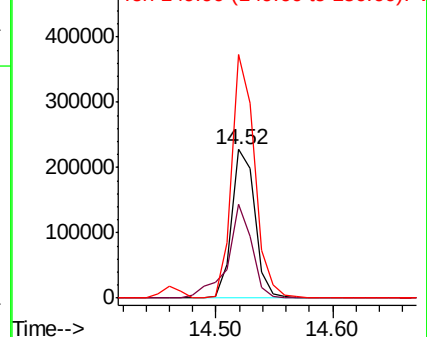
150 163.8 0.0 314.8

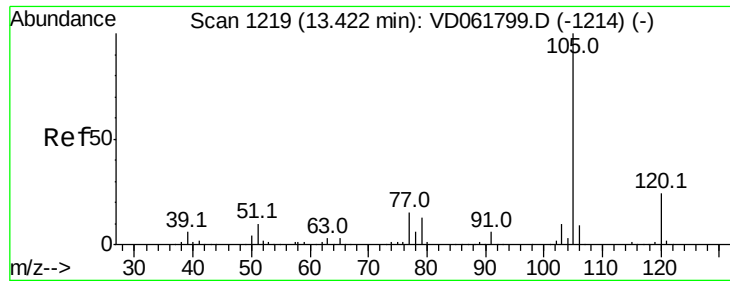


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.954 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

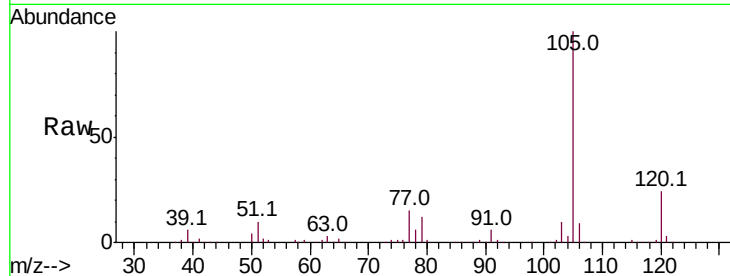
VD0418SBS02

Tot Ion:105 Resp: 466340

Ion Ratio Lower Upper

105 100

120 23.9 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

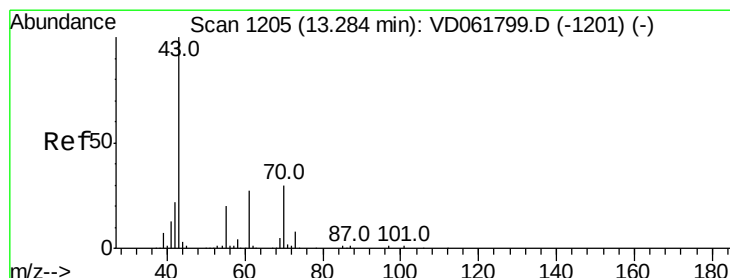
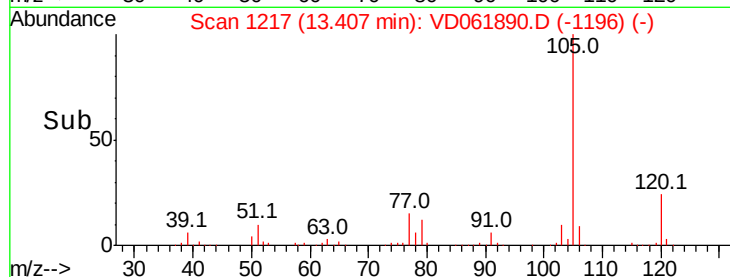
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.129 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Tgt Ion: 43 Resp: 115434

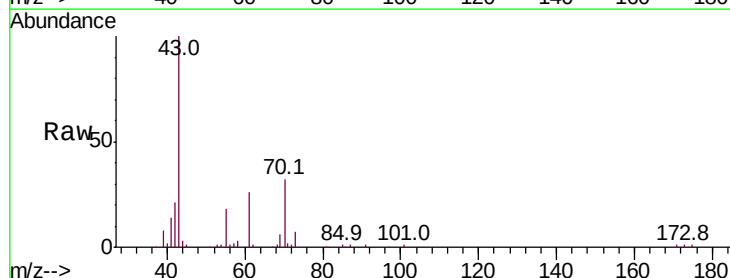
Ion Ratio Lower Upper

43 100

70 31.8 24.2 36.4

55 17.9 16.0 24.0

61 26.2 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

120000

100000

80000

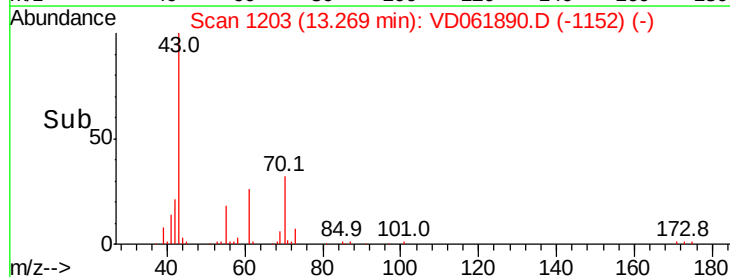
60000

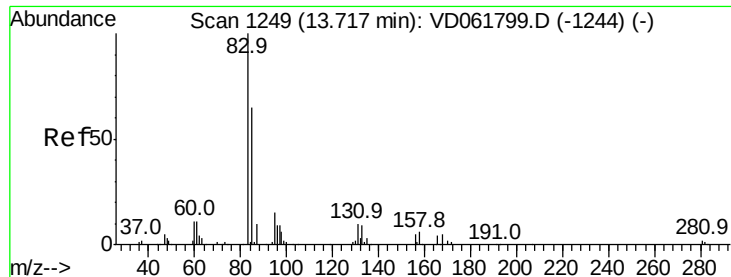
40000

20000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 24.286 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

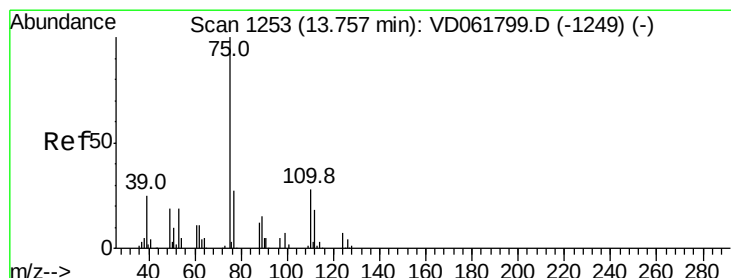
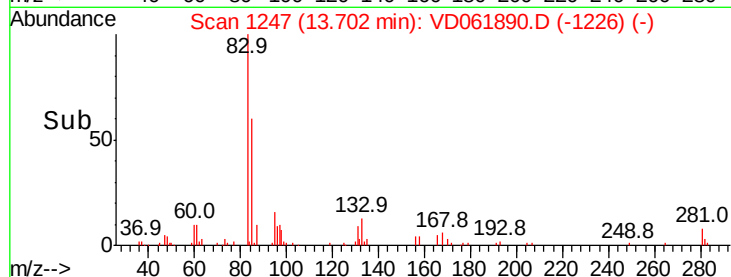
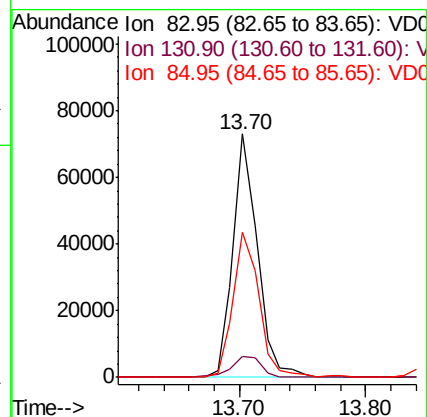
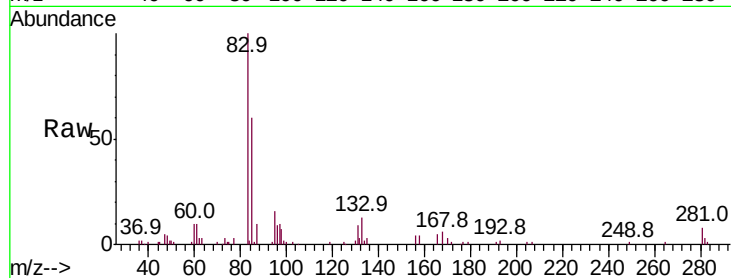
Tot Ion: 83 Resp: 97530

Ion Ratio Lower Upper

83 100

131 8.5 5.0 14.9

85 59.8 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 23.346 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061890.D

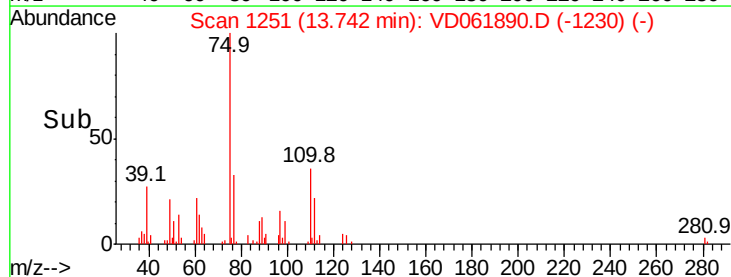
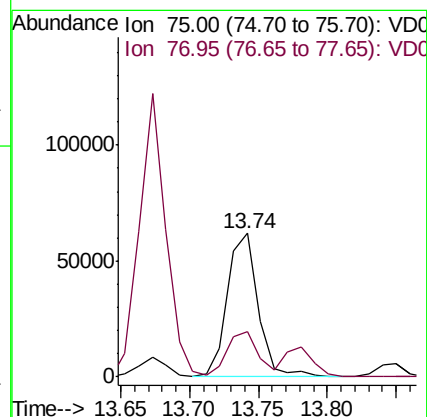
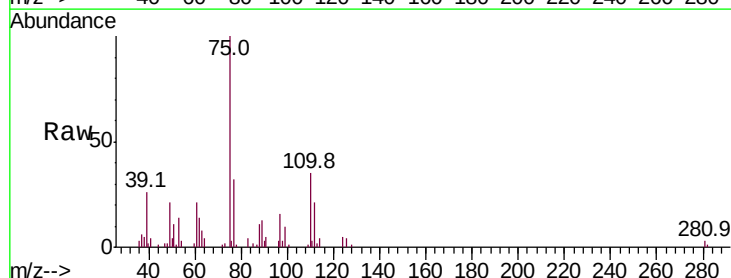
Acq: 19 Apr 2019 2:11

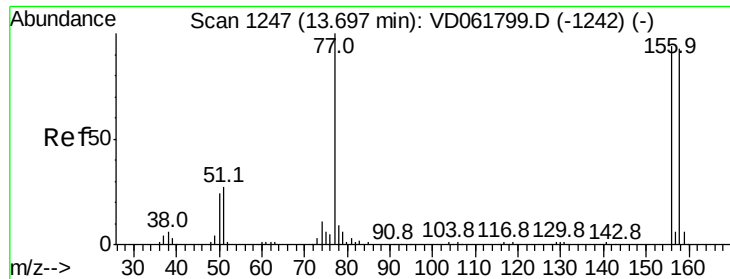
Tgt Ion: 75 Resp: 96046

Ion Ratio Lower Upper

75 100

77 32.0 16.4 49.4





#77

Bromobenzene

Concen: 22.678 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

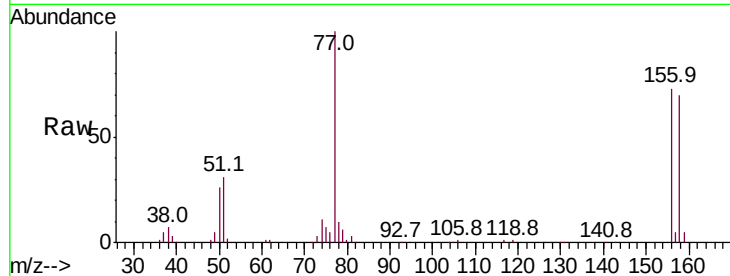
Tot Ion:156 Resp: 130880

Ion Ratio Lower Upper

156 100

77 136.1 53.1 159.4

158 95.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

150000

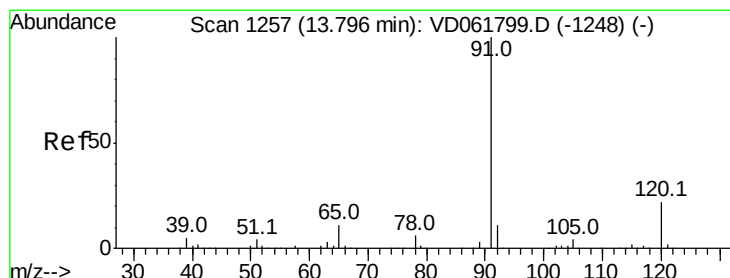
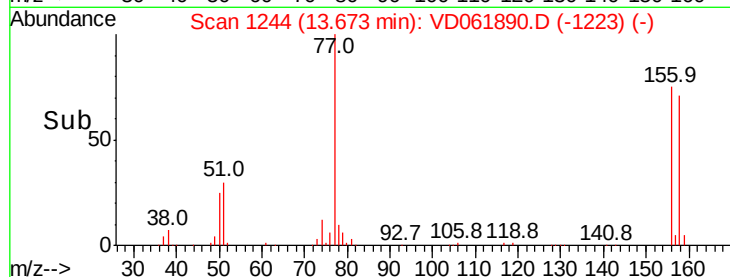
100000

50000

0

13.60 13.65 13.70 13.75

Time-->



#78

n-propylbenzene

Concen: 22.005 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061890.D

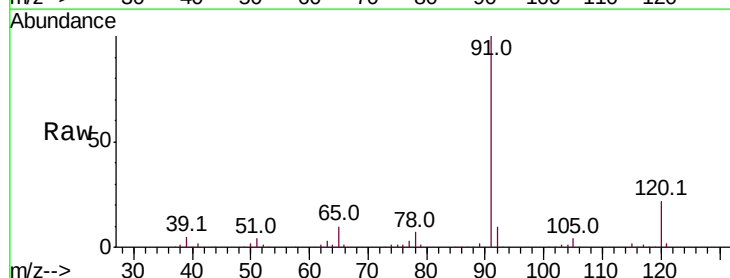
Acq: 19 Apr 2019 2:11

Tgt Ion: 91 Resp: 516531

Ion Ratio Lower Upper

91 100

120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

400000

300000

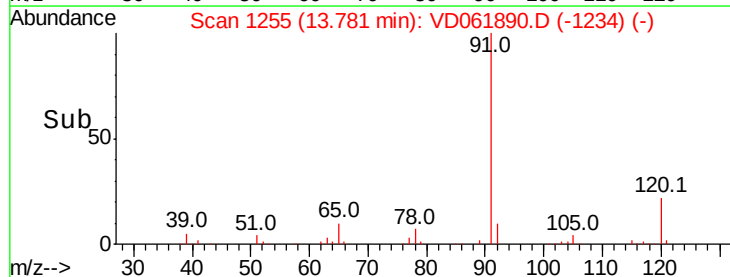
200000

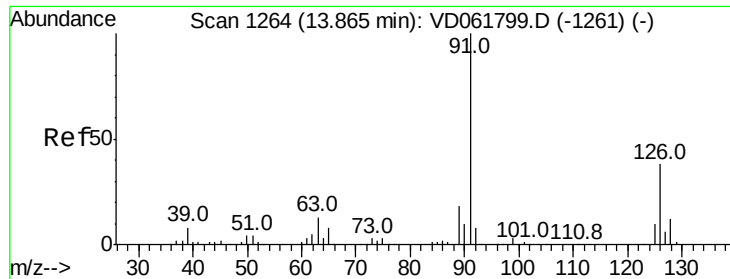
100000

0

13.70 13.75 13.80 13.85

Time-->

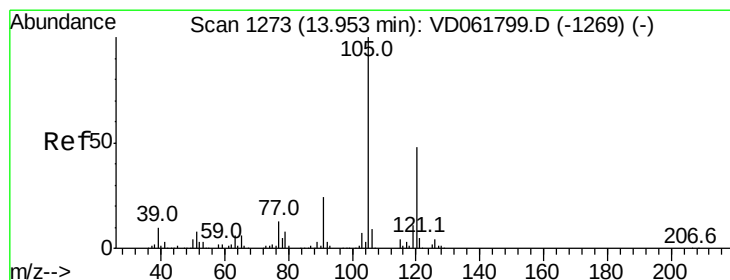
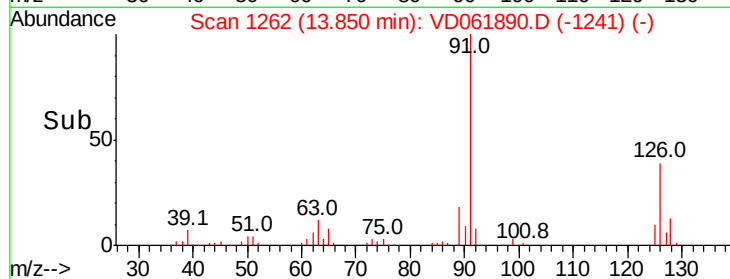
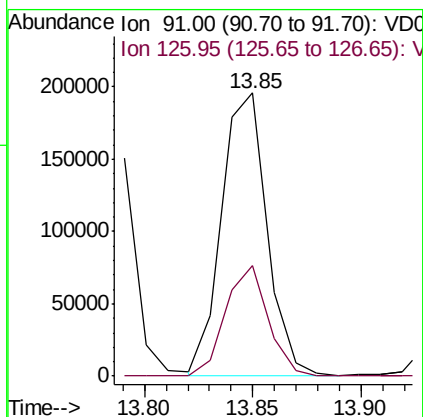
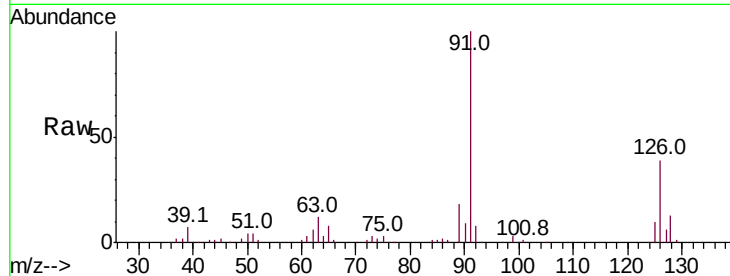




#79
 2-Chlorotoluene
 Concen: 20.762 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

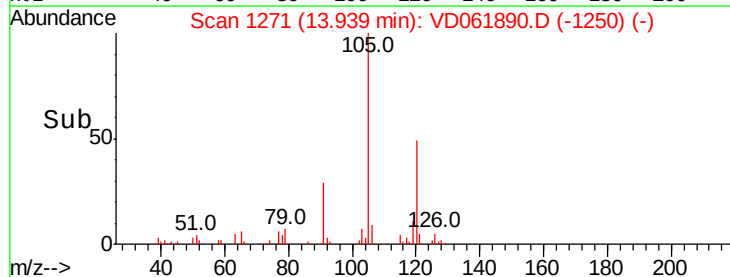
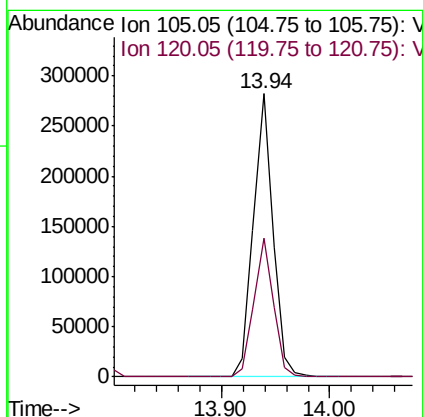
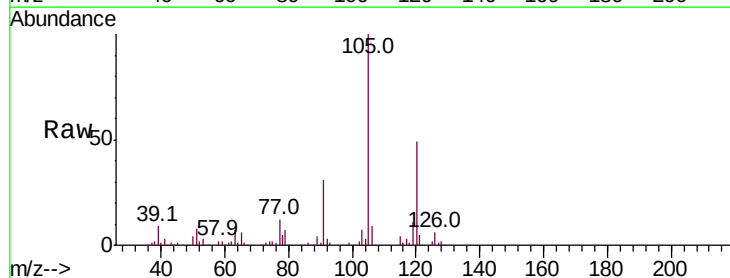
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

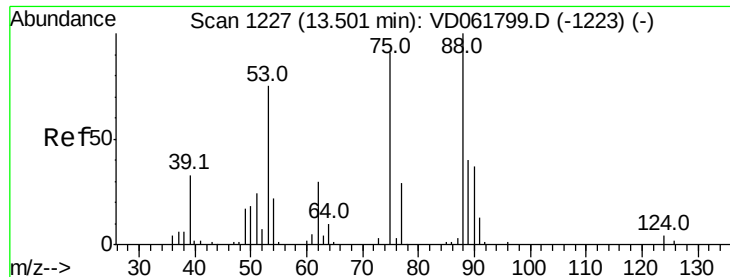
Tot Ion: 91 Resp: 284689
 Ion Ratio Lower Upper
 91 100
 126 38.9 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.106 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion:105 Resp: 356354
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.945 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

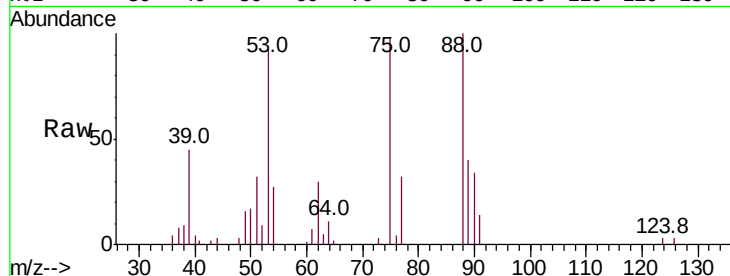
Tot Ion: 75 Resp: 26600

Ion Ratio Lower Upper

75 100

53 94.5 65.8 98.8

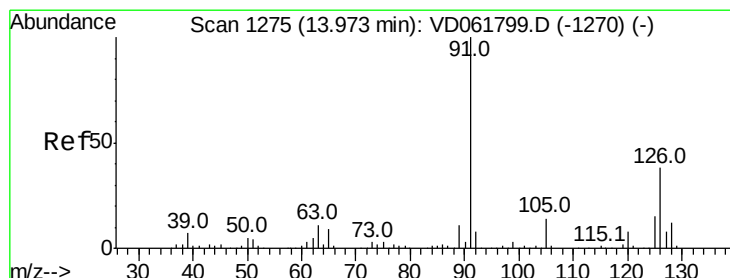
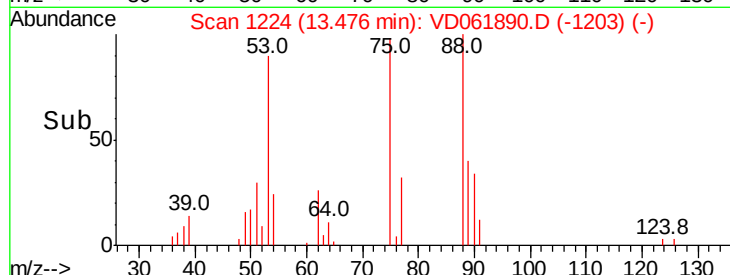
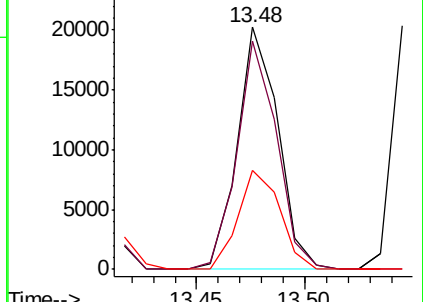
89 41.2 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.476 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061890.D

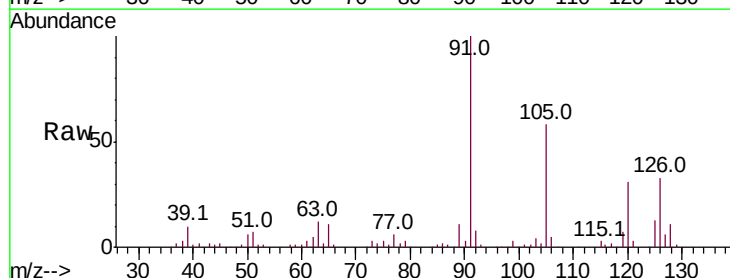
Acq: 19 Apr 2019 2:11

Tgt Ion: 91 Resp: 321368

Ion Ratio Lower Upper

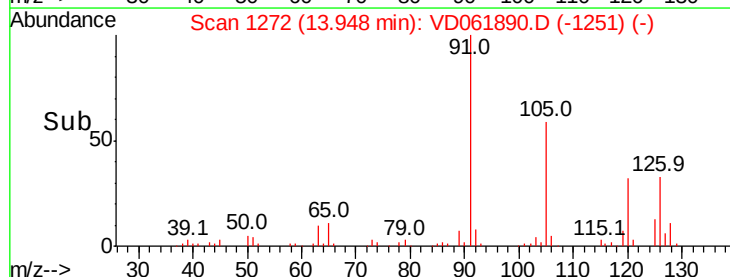
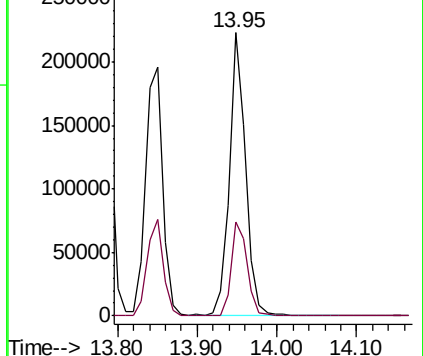
91 100

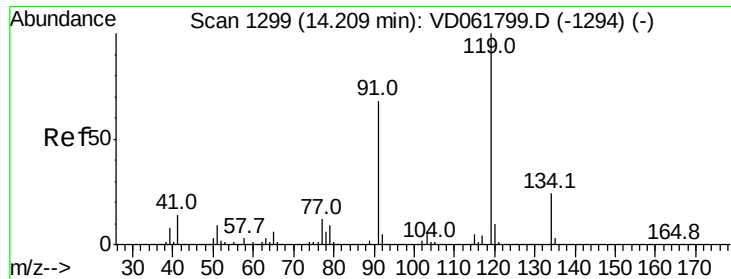
126 33.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

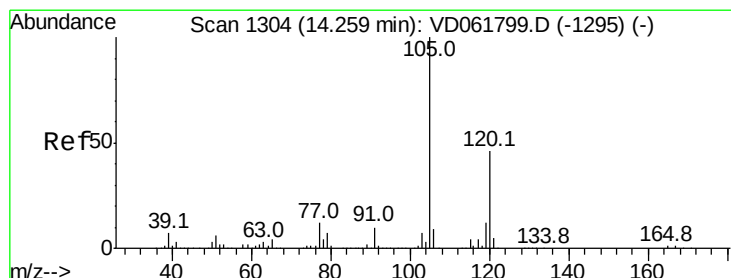
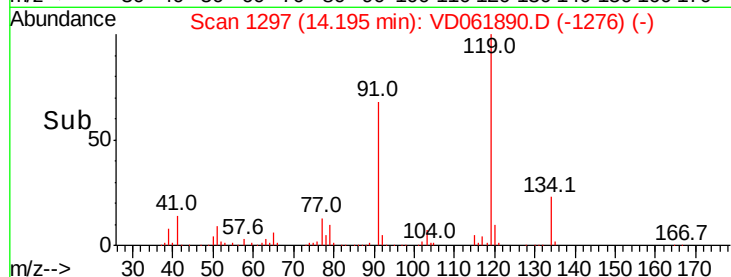
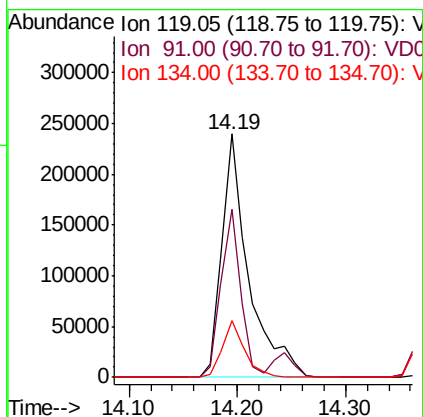
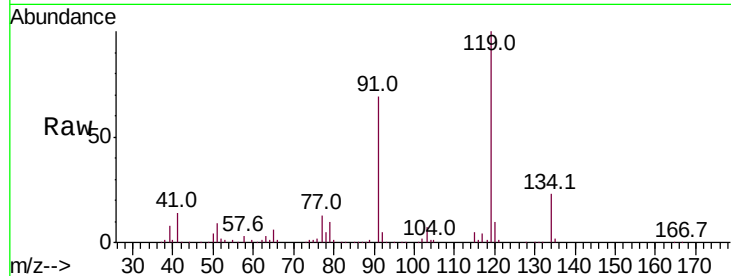




#83
 tert-Butylbenzene
 Concen: 21.827 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

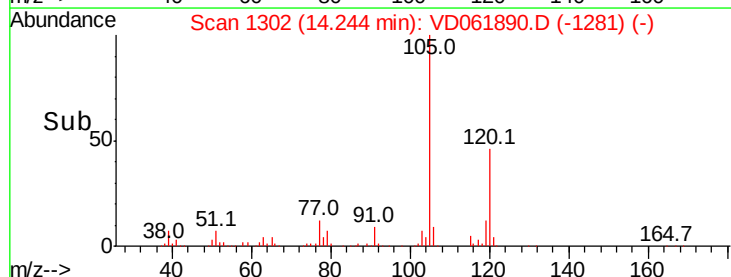
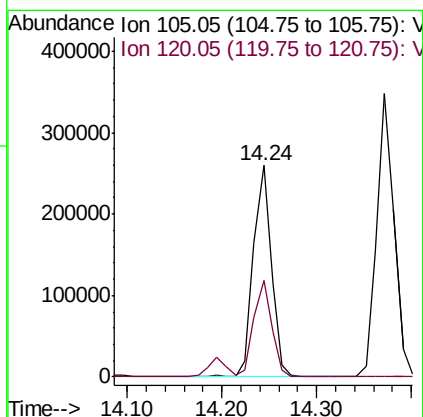
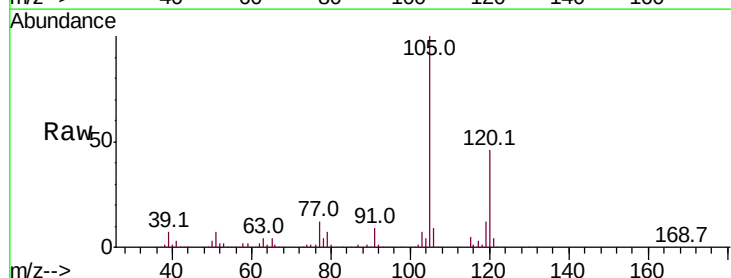
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

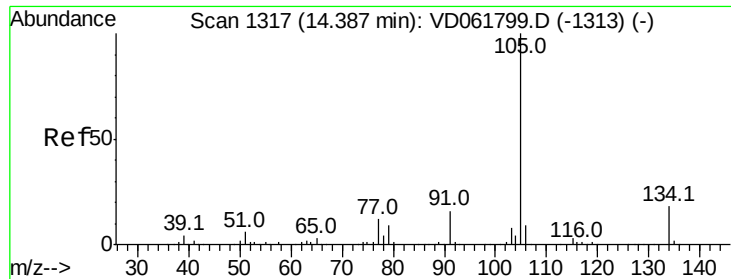
Tot Ion:119 Resp: 413155
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.2 102.6
 134 23.5 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.259 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion:105 Resp: 344483
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2

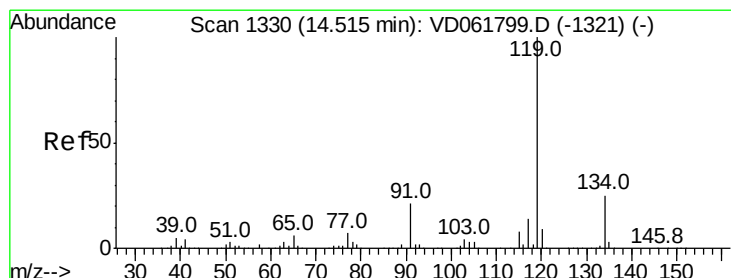
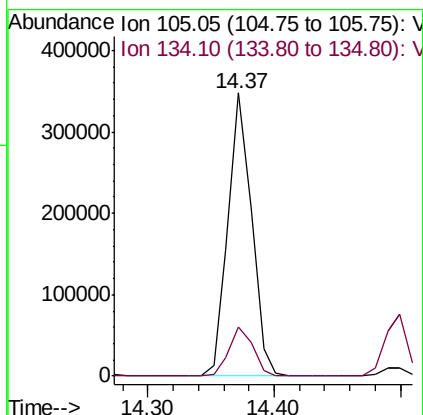
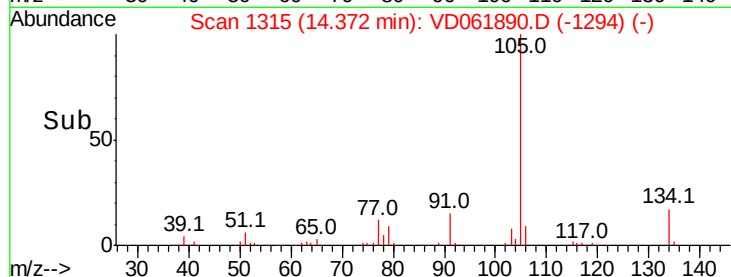
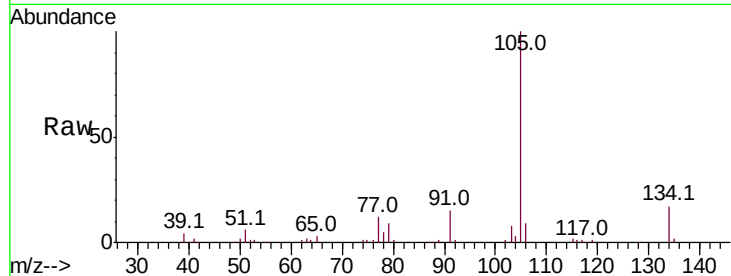




#85
 sec-Butylbenzene
 Concen: 23.057 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

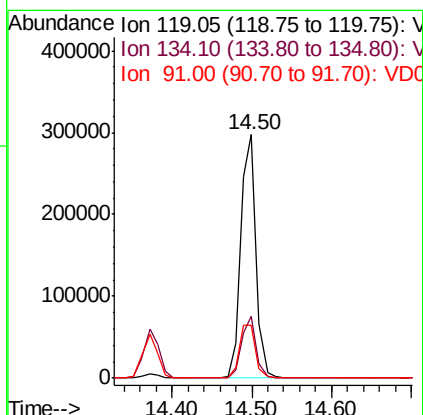
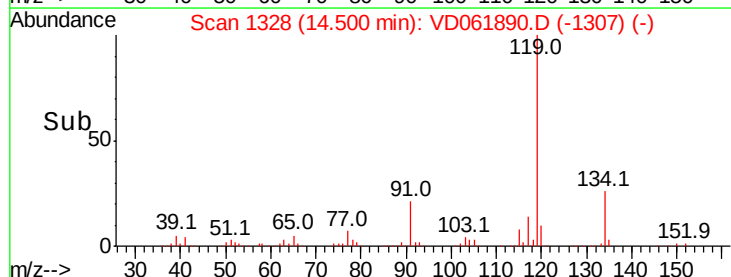
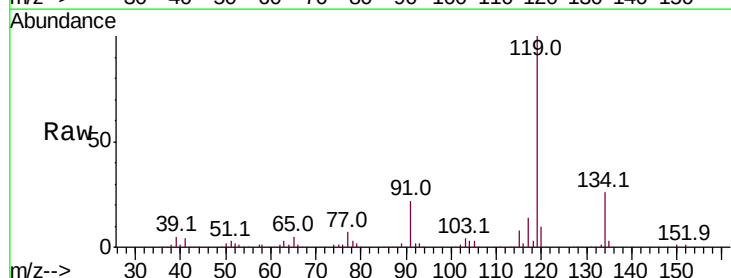
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

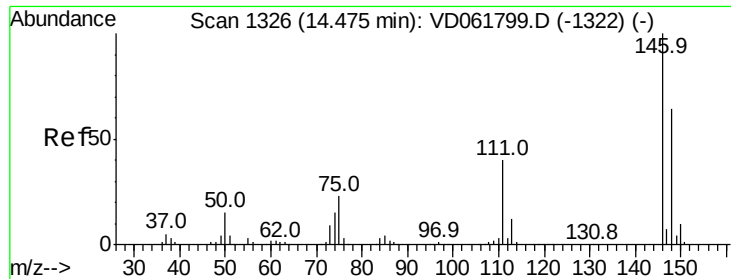
Tot Ion:105 Resp: 451178
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.508 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion:119 Resp: 393768
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 21.7 10.7 32.1

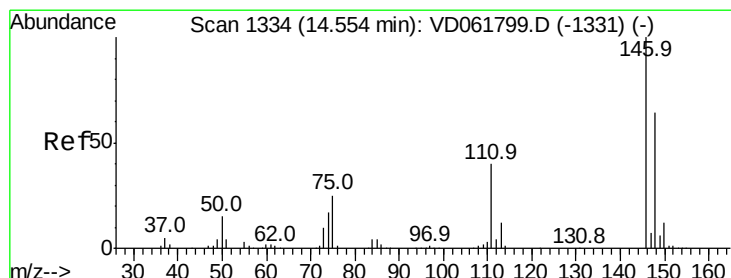
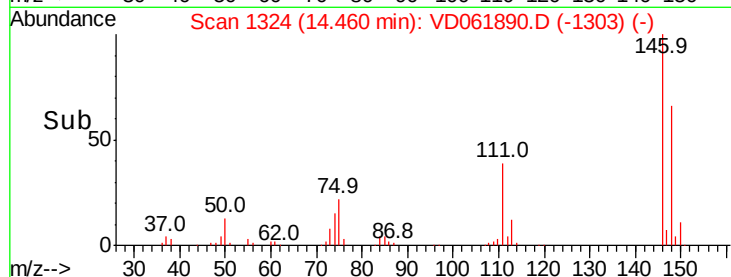
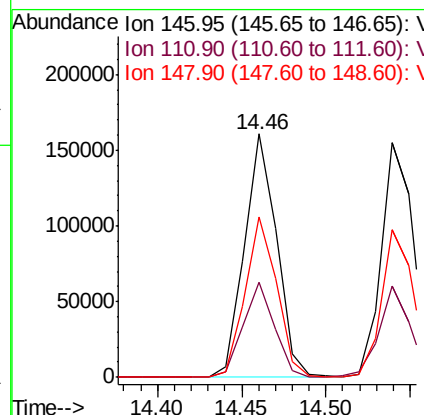
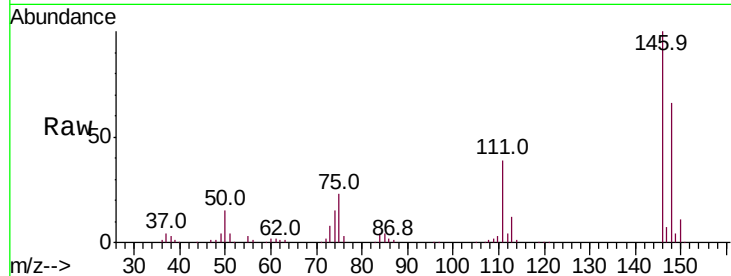




#87
 1,3-Dichlorobenzene
 Concen: 21.165 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

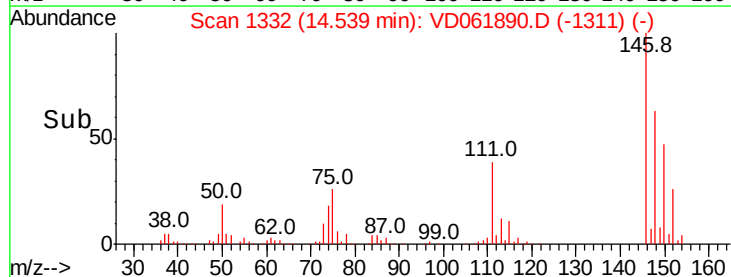
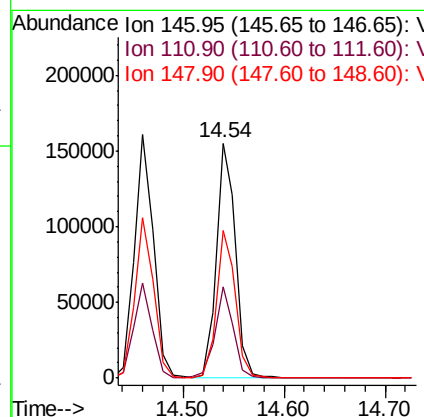
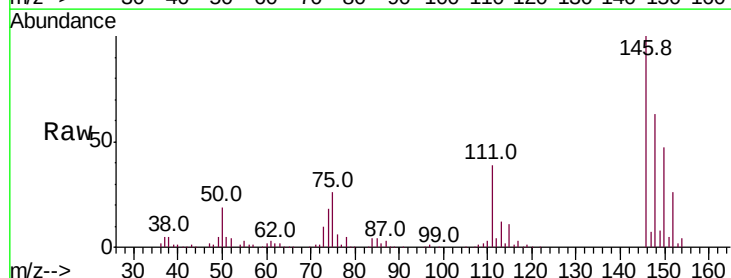
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

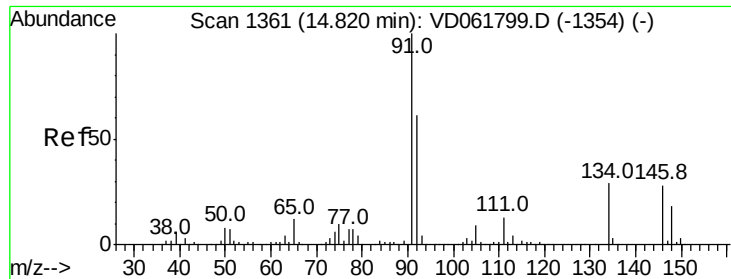
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	66.0	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.811 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.2	60.5
148	62.6	32.0	96.2





#89

n-Butylbenzene

Concen: 21.160 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061890.D

Acq: 19 Apr 2019 2:11

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

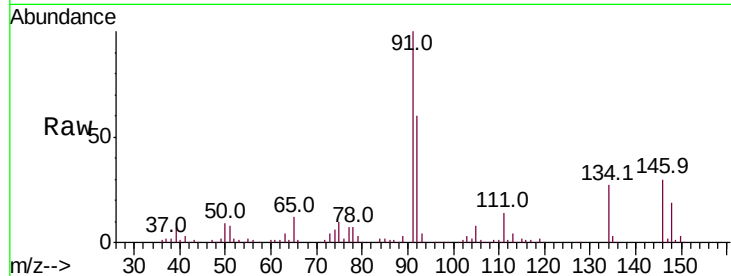
Tot Ion: 91 Resp: 342921

Ion Ratio Lower Upper

91 100

92 60.0 30.3 91.0

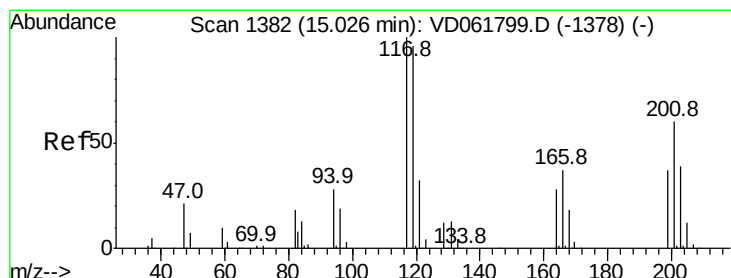
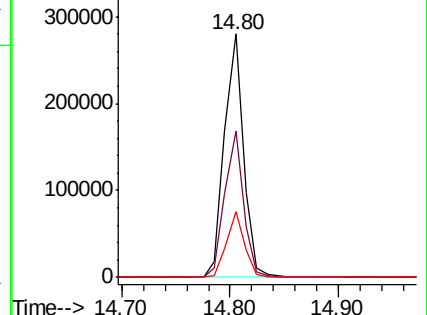
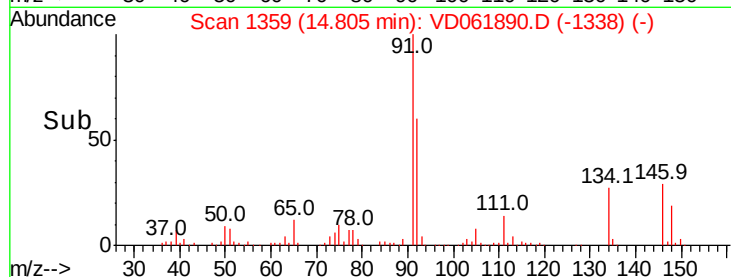
134 26.8 14.5 43.6



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: 19.973 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061890.D

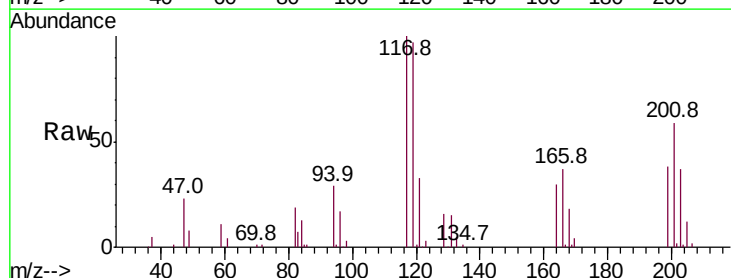
Acq: 19 Apr 2019 2:11

Tgt Ion: 117 Resp: 99665

Ion Ratio Lower Upper

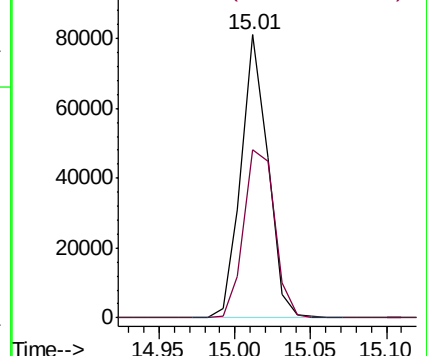
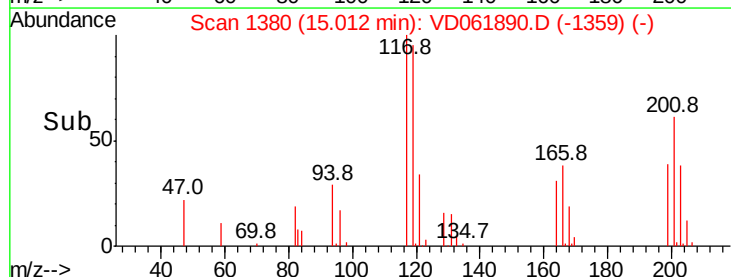
117 100

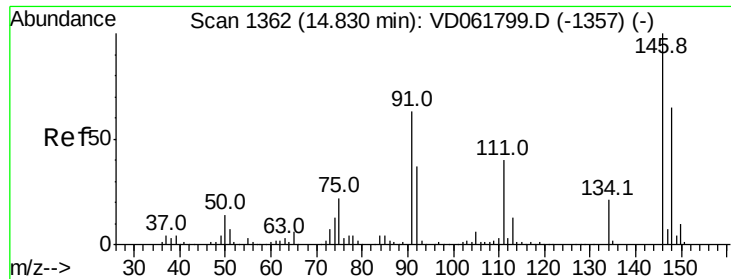
201 59.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

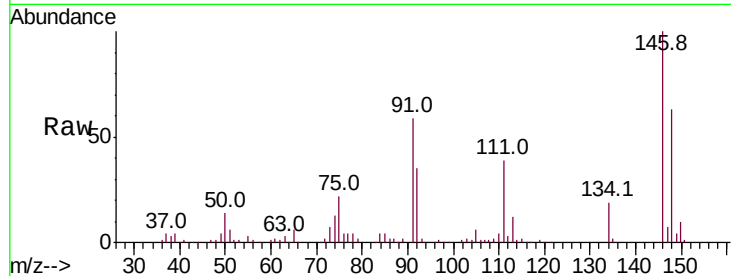




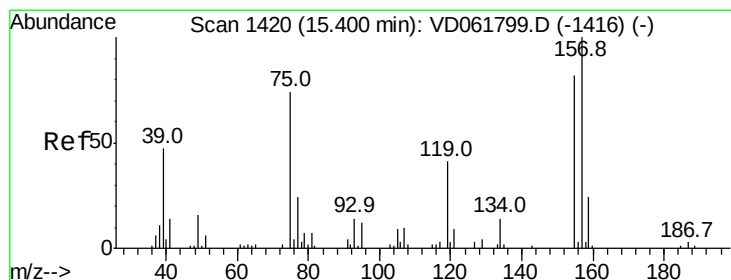
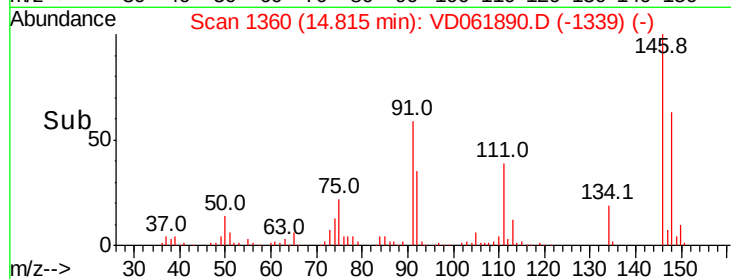
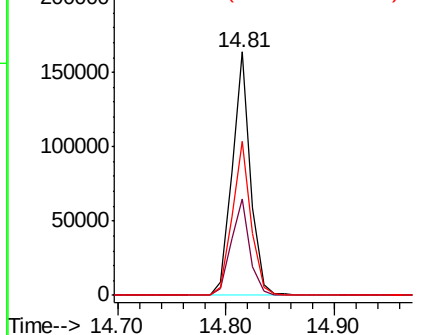
#91
 1,2-Dichlorobenzene
 Concen: 22.802 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion:146 Resp: 192434
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 63.4 32.3 96.8

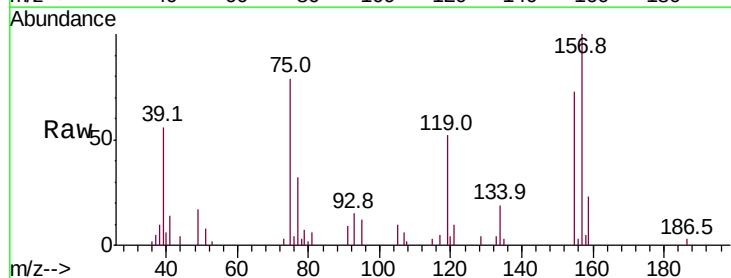


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

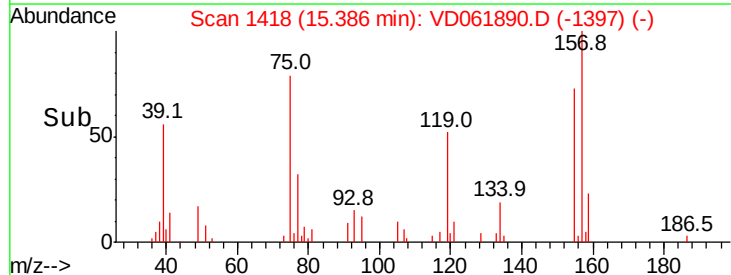
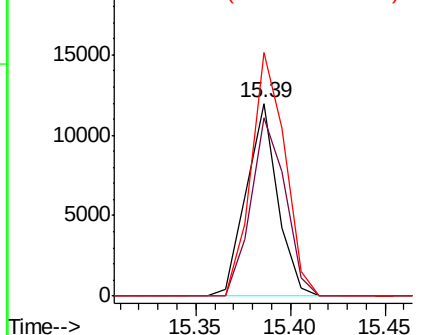


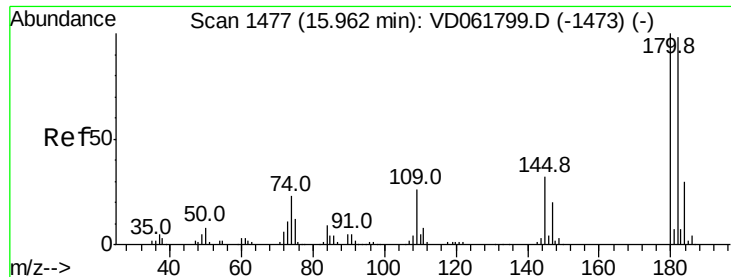
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.710 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion: 75 Resp: 13804
 Ion Ratio Lower Upper
 75 100
 155 92.4 55.3 165.8
 157 126.2 67.8 203.2



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

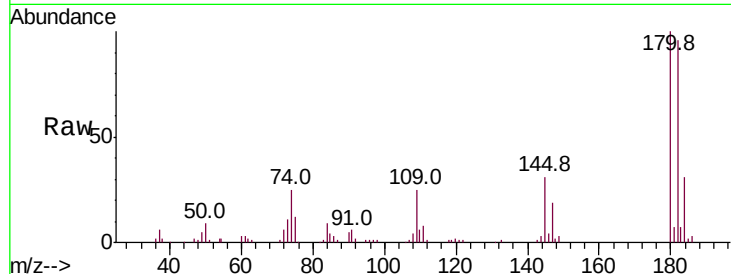




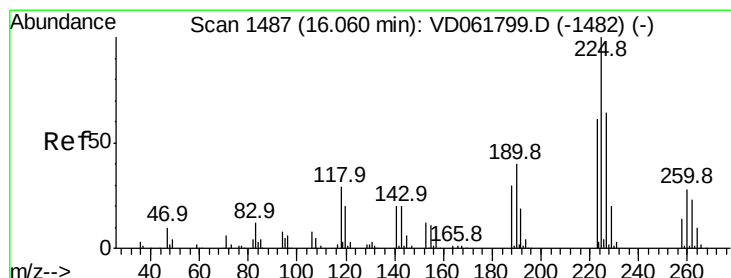
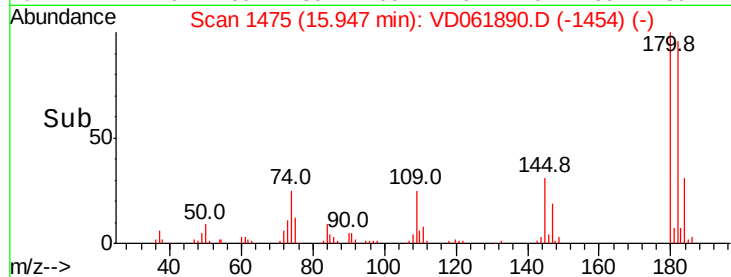
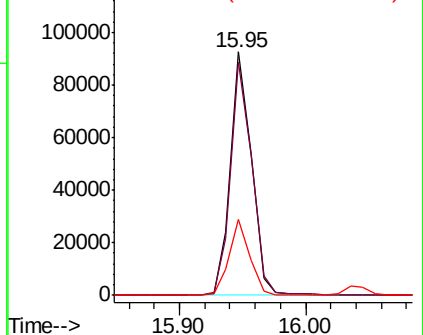
#93
 1,2,4-Trichlorobenzene
 Concen: 22.939 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.3	147.8
145	31.2	16.2	48.6

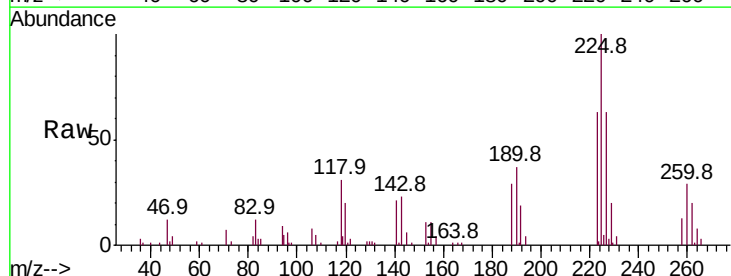


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

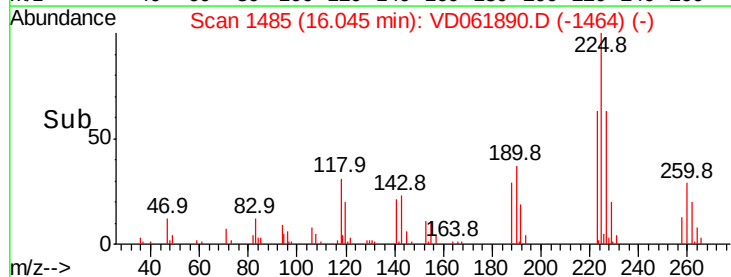
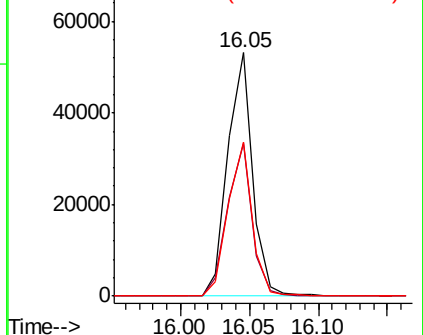


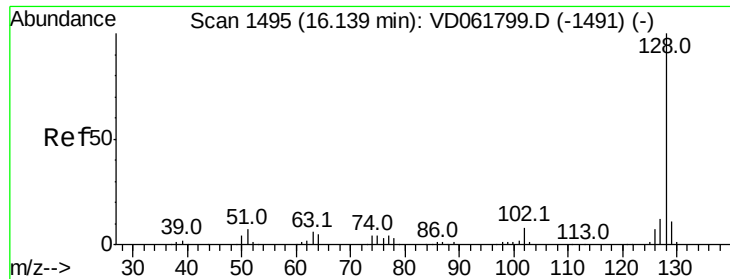
#94
 Hexachlorobutadiene
 Concen: 19.763 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061890.D
 Acq: 19 Apr 2019 2:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.6	92.0
227	63.2	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

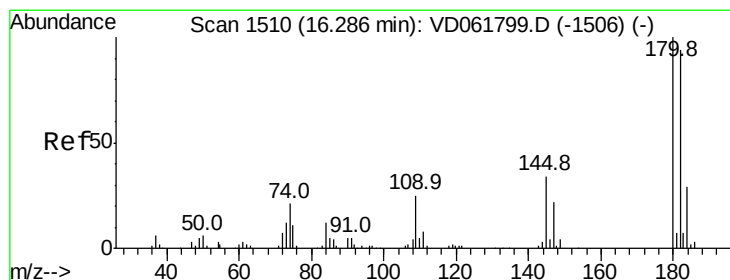
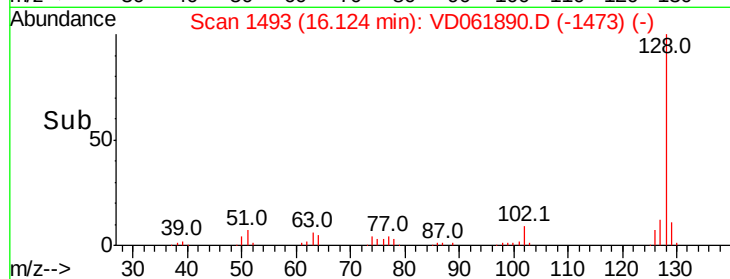
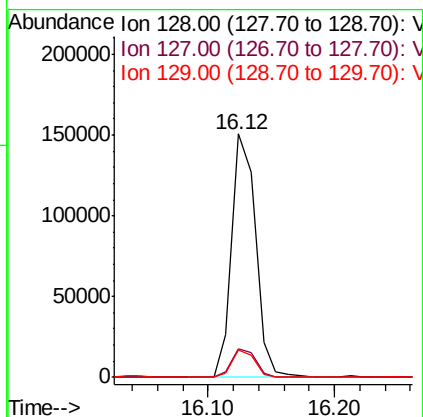
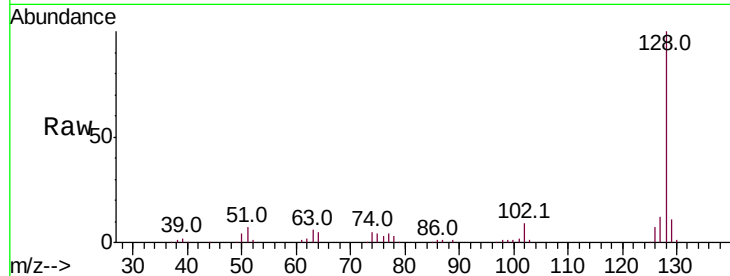




#95
Naphthalene
Concen: 27.792 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:128 Resp: 197447
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 25.648 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061890.D
Acq: 19 Apr 2019 2:11

Tgt Ion:180 Resp: 67746
Ion Ratio Lower Upper
180 100
182 98.5 47.0 141.0
145 32.8 17.0 51.0

