

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061795.D
 Acq On : 15 Apr 2019 11:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 09:09:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	624282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.27	114	1019850	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	794384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	377224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	147192	28.13	ug/l	0.00
Spiked Amount			Recovery	=	56.26%	
35) Dibromofluoromethane	6.98	113	231659	30.07	ug/l	0.00
Spiked Amount			Recovery	=	60.14%	
50) Toluene-d8	10.45	98	488830	26.78	ug/l	0.00
Spiked Amount			Recovery	=	53.56%	
62) 4-Bromofluorobenzene	13.58	95	202468	27.36	ug/l	0.00
Spiked Amount			Recovery	=	54.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	275278	45.178	ug/l	98
3) Chloromethane	1.77	50	209293	43.100	ug/l	98
4) Vinyl Chloride	1.87	62	203691	42.265	ug/l	97
5) Bromomethane	2.17	94	49684	45.753	ug/l	96
6) Chloroethane	2.29	64	80303	48.844	ug/l	95
7) Trichlorofluoromethane	2.56	101	351866	45.018	ug/l	100
8) Diethyl Ether	2.90	74	79621	38.870	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.19	101	305743	43.870	ug/l	98
10) Methyl Iodide	3.35	142	414712	38.169	ug/l	95
11) Tert butyl alcohol	4.10	59	69040	223.758	ug/l	97
12) 1,1-Dichloroethene	3.17	96	258705	44.155	ug/l	95
13) Acrolein	3.07	56	101853	340.987	ug/l	94
14) Allyl chloride	3.66	41	345658	43.282	ug/l	96
15) Acrylonitrile	4.24	53	212203	219.070	ug/l	94
16) Acetone	3.26	43	306298	237.531	ug/l	99
17) Carbon Disulfide	3.41	76	788501	41.652	ug/l	100
18) Methyl Acetate	3.68	43	101249	39.174	ug/l	98
19) Methyl tert-butyl Ether	4.29	73	486757	44.517	ug/l	100
20) Methylene Chloride	3.86	84	282663	43.503	ug/l	96
21) trans-1,2-Dichloroethene	4.27	96	288081	44.740	ug/l	99
22) Diisopropyl ether	5.18	45	795843	46.619	ug/l	97
23) Vinyl Acetate	5.12	43	2116018	231.876	ug/l	99
24) 1,1-Dichloroethane	5.04	63	465798	45.004	ug/l	99
25) 2-Butanone	6.12	43	320911	218.594	ug/l	98
26) 2,2-Dichloropropane	6.08	77	422279	47.202	ug/l	100
27) cis-1,2-Dichloroethene	6.09	96	298009	42.694	ug/l	97
28) Bromochloromethane	6.50	49	171382	43.593	ug/l	91
29) Tetrahydrofuran	6.52	42	147949	206.888	ug/l	99
30) Chloroform	6.72	83	515693	44.670	ug/l	99
31) Cyclohexane	7.01	56	366393	46.242	ug/l	98
32) 1,1,1-Trichloroethane	6.93	97	465125	45.451	ug/l	98
36) 1,1-Dichloropropene	7.21	75	383944	46.071	ug/l	99
37) Ethyl Acetate	6.24	43	145356	40.753	ug/l #	94
38) Carbon Tetrachloride	7.17	117	520607	49.472	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.92	83	360399	41.645	ug/l	95
40) Benzene	7.51	78	860669	43.017	ug/l	99
41) Methacrylonitrile	6.50	41	178558	42.354	ug/l	99
42) 1,2-Dichloroethane	7.63	62	310568	44.570	ug/l	100
43) Isopropyl Acetate	9.28	43	205931	41.028	ug/l	97
44) Trichloroethene	8.59	130	349993	45.441	ug/l	96
45) 1,2-Dichloropropane	8.99	63	199549	38.290	ug/l	94
46) Dibromomethane	9.11	93	160299	43.168	ug/l	91
47) Bromodichloromethane	9.42	83	383159	44.726	ug/l	99
48) Methyl methacrylate	9.16	41	121552	41.198	ug/l	95
49) 1,4-Dioxane	9.12	88	28155	873.061	ug/l	97
51) 4-Methyl-2-Pentanone	10.35	43	678553	221.062	ug/l	98
52) Toluene	10.55	92	567610	44.270	ug/l	98
53) t-1,3-Dichloropropene	10.96	75	326288	42.269	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	374613	41.342	ug/l	95
55) 1,1,2-Trichloroethane	11.23	97	182000	42.126	ug/l	95
56) Ethyl methacrylate	11.08	69	195861	41.305	ug/l	97
57) 1,3-Dichloropropane	11.45	76	281206	43.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.90	63	440292	195.217	ug/l	98
59) 2-Hexanone	11.57	43	506062	221.976	ug/l	97
60) Dibromochloromethane	11.72	129	314106	44.433	ug/l	98
61) 1,2-Dibromoethane	11.84	107	219070	41.238	ug/l	97
64) Tetrachloroethene	11.30	164	269162	45.180	ug/l	99
65) Chlorobenzene	12.43	112	676012	45.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	292118	47.118	ug/l	98
67) Ethyl Benzene	12.55	91	1063976	44.909	ug/l	99
68) m/p-Xylenes	12.70	106	867727	97.504	ug/l	97
69) o-Xylene	13.07	106	347905	41.592	ug/l	95
70) Styrene	13.10	104	619267	43.021	ug/l	100
71) Bromoform	13.26	173	168475	45.781	ug/l	96
73) Isopropylbenzene	13.43	105	1078825	44.098	ug/l	99
74) N-amyl acetate	13.29	43	278624	42.353	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	186687	38.605	ug/l	99
76) 1,2,3-Trichloropropane	13.76	75	214160	43.230	ug/l	100
77) Bromobenzene	13.69	156	297722	42.842	ug/l	84
78) n-propylbenzene	13.80	91	1365806	48.322	ug/l	99
79) 2-Chlorotoluene	13.87	91	725185	43.920	ug/l	95
80) 1,3,5-Trimethylbenzene	13.96	105	859749	44.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	62432	39.620	ug/l	92
82) 4-Chlorotoluene	13.97	91	808024	42.754	ug/l	90
83) tert-Butylbenzene	14.21	119	1065826	46.762	ug/l	98
84) 1,2,4-Trimethylbenzene	14.26	105	883955	45.302	ug/l	99
85) sec-Butylbenzene	14.39	105	1059723	44.975	ug/l	99
86) p-Isopropyltoluene	14.51	119	1002184	45.459	ug/l	95
87) 1,3-Dichlorobenzene	14.48	146	528733	43.582	ug/l	99
88) 1,4-Dichlorobenzene	14.56	146	536992	44.777	ug/l	98
89) n-Butylbenzene	14.82	91	829525	42.508	ug/l	98
90) Hexachloroethane	15.03	117	276407	46.000	ug/l	95
91) 1,2-Dichlorobenzene	14.83	146	425141	41.835	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.41	75	26489	41.061	ug/l	90

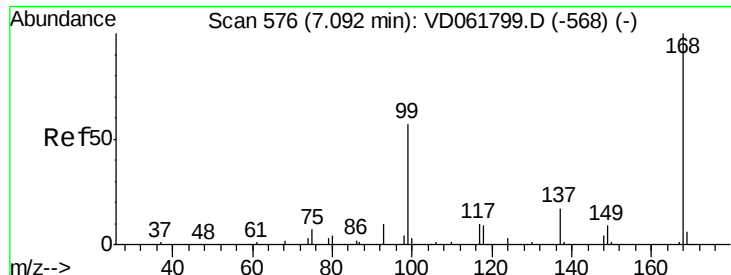
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	258102	46.243	ug/l	97
94) Hexachlorobutadiene	16.06	225	190621	47.127	ug/l	96
95) Naphthalene	16.14	128	432985	50.613	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	143596	45.146	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

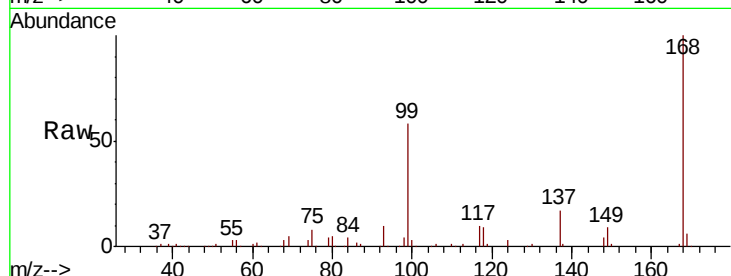
ClientSampleId :

Tot Ion:168 Resp: 624282

Ion Ratio Lower Upper

168 100

99 57.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.10

250000

200000

150000

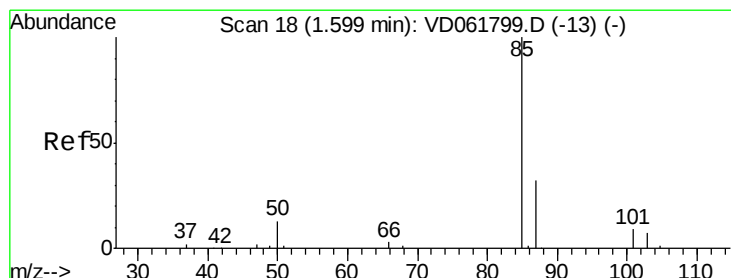
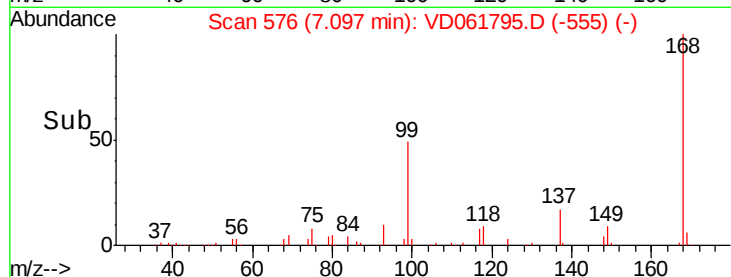
100000

50000

0

7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 45.178 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061795.D

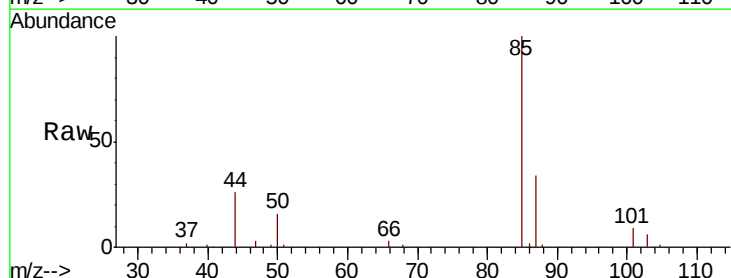
Acq: 15 Apr 2019 11:36

Tgt Ion: 85 Resp: 275278

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

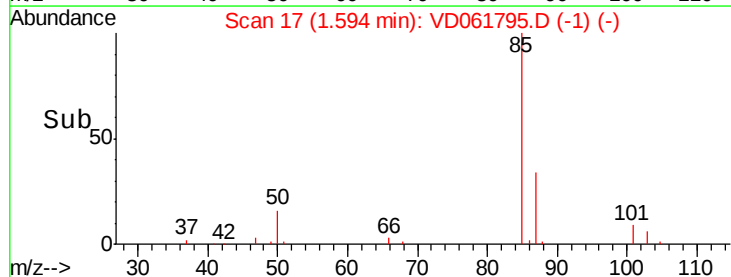
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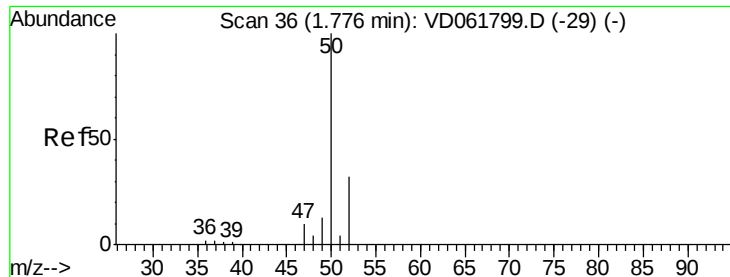
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.100 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

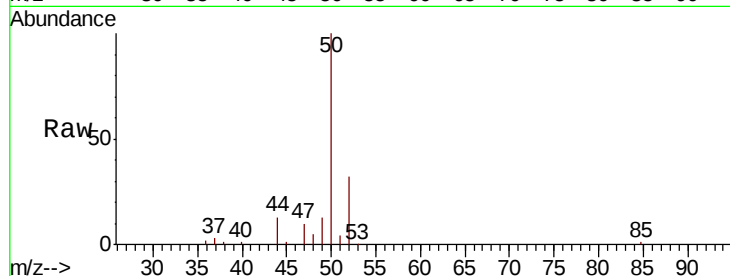
ClientSampleId :

Tot Ion: 50 Resp: 209293

Ion Ratio Lower Upper

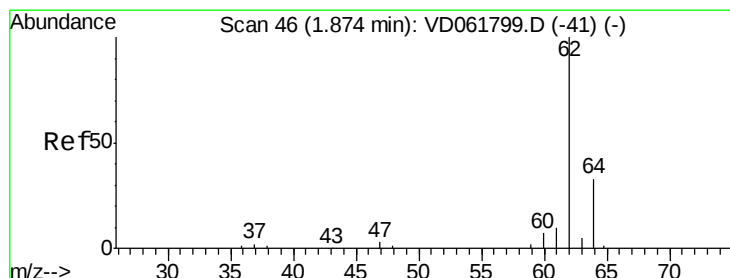
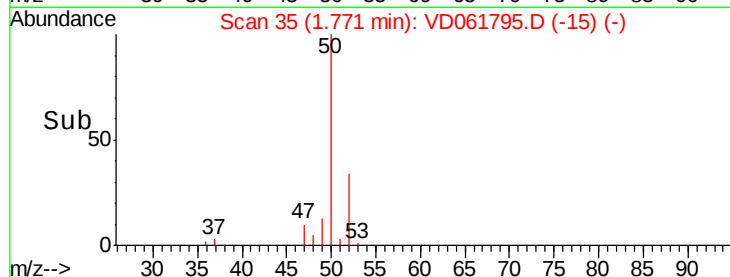
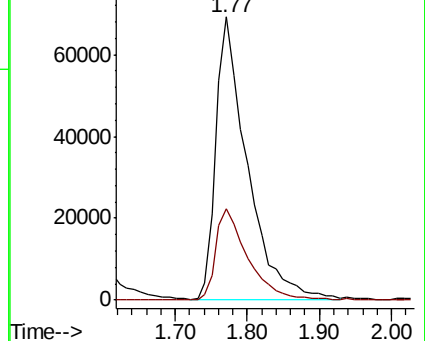
50 100

52 32.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.265 ug/l

RT: 1.87 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061795.D

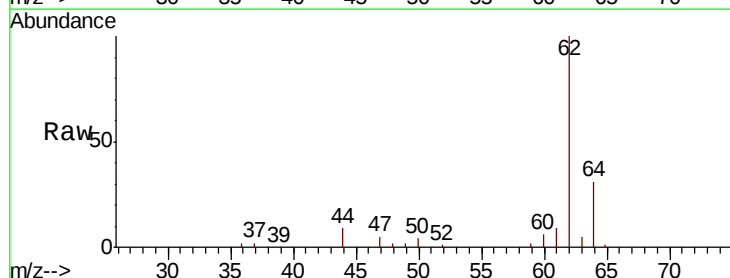
Acq: 15 Apr 2019 11:36

Tgt Ion: 62 Resp: 203691

Ion Ratio Lower Upper

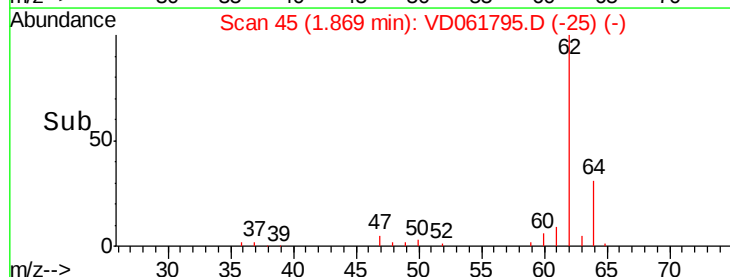
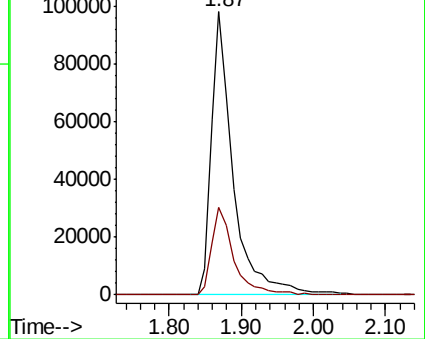
62 100

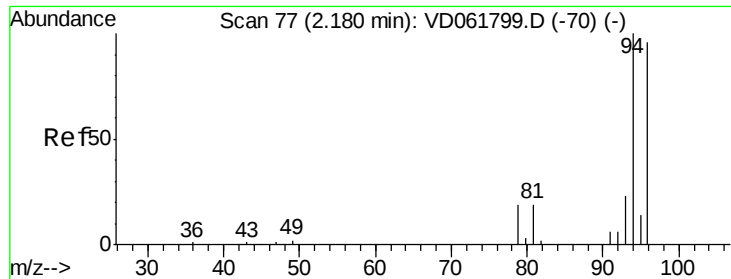
64 31.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

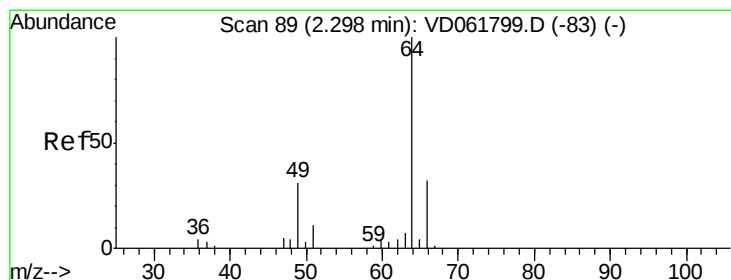
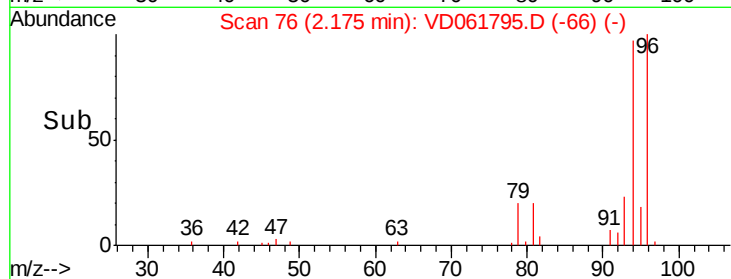
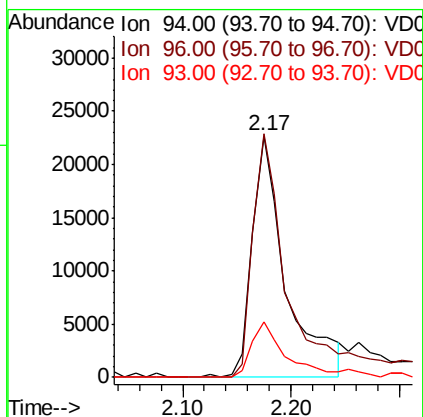
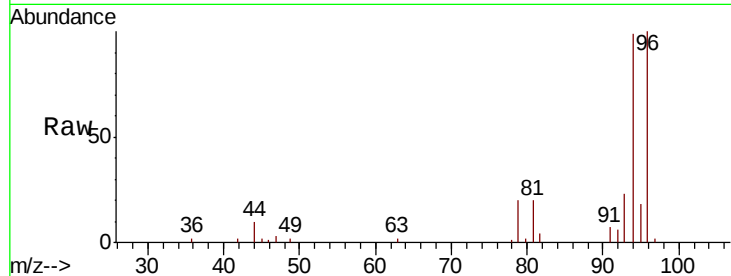




#5
Bromomethane
Concen: 45.753 ug/l
RT: 2.17 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

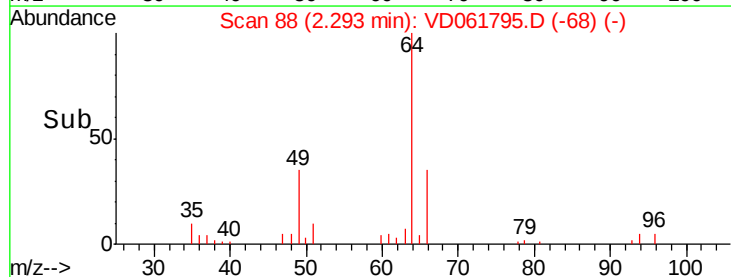
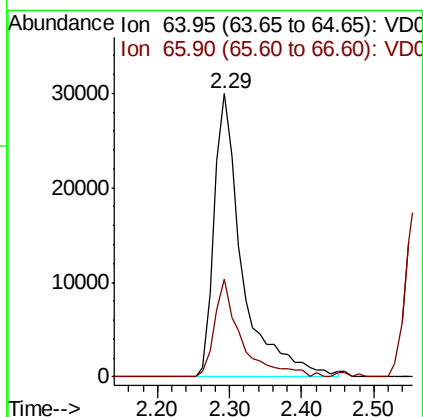
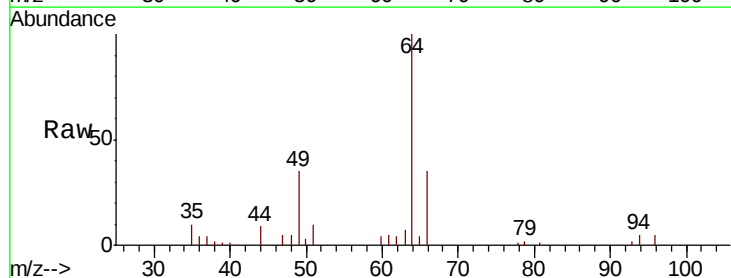
Instrument :
MSVOA_D
ClientSampled :

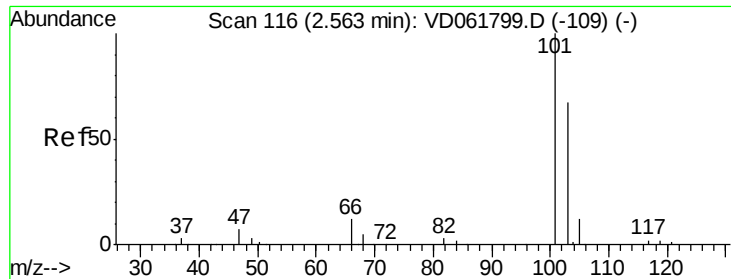
Tot Ion: 94 Resp: 49684
Ion Ratio Lower Upper
94 100
96 100.9 76.6 115.0
93 22.9 18.5 27.7



#6
Chloroethane
Concen: 48.844 ug/l
RT: 2.29 min Scan# 88
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 64 Resp: 80303
Ion Ratio Lower Upper
64 100
66 34.8 25.6 38.4



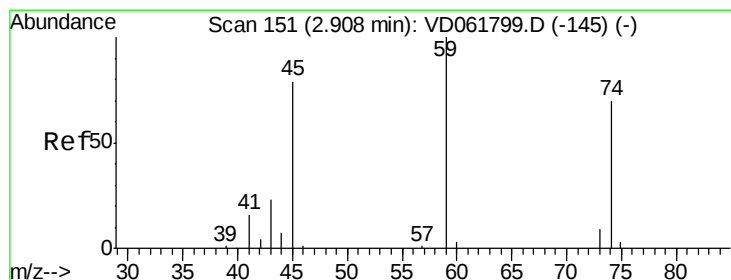
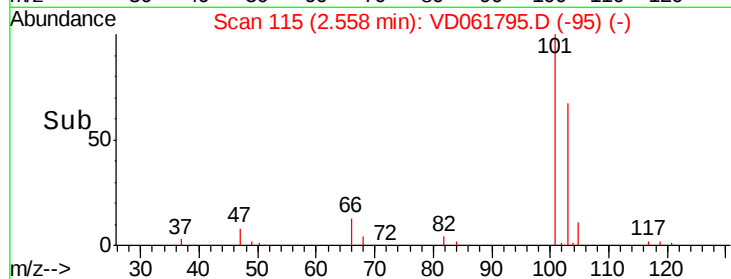
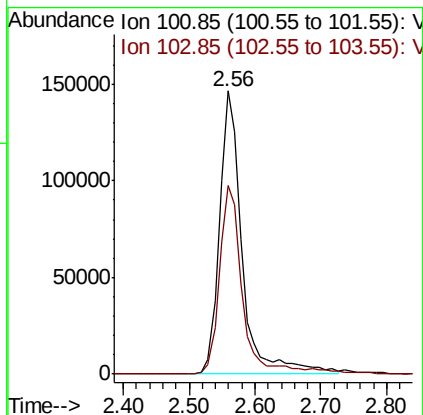
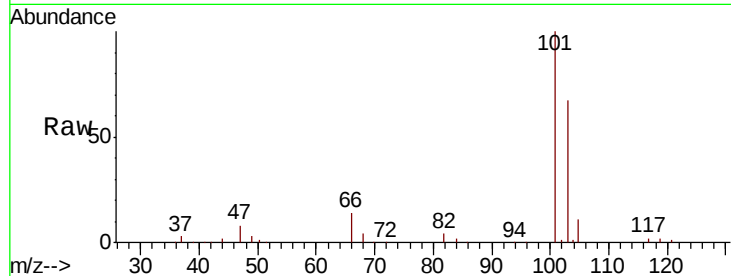


#7

Trichlorofluoromethane
 Concen: 45.018 ug/l
 RT: 2.56 min Scan# 115
 Delta R.T. -0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :

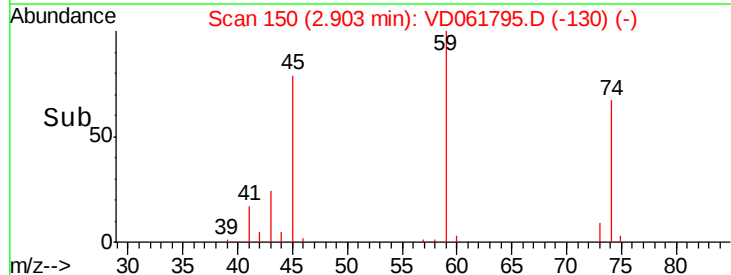
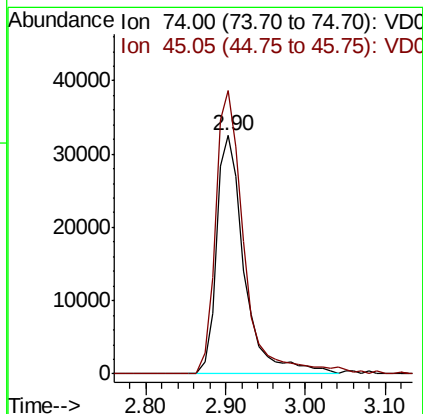
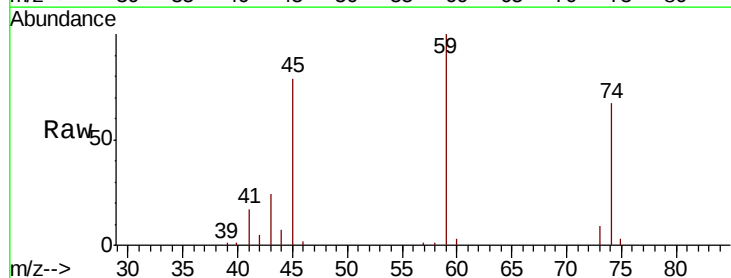
Tot Ion:101 Resp: 351866
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.6 80.4

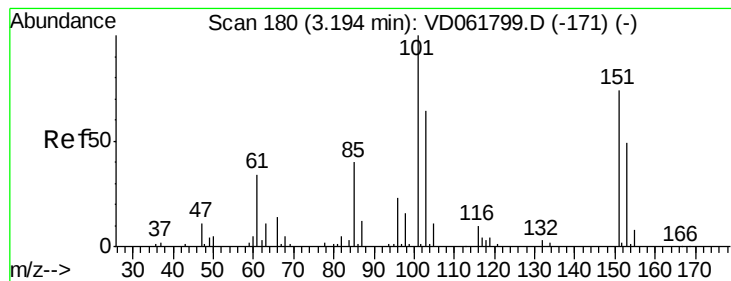


#8

Diethyl Ether
 Concen: 38.870 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. -0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 74 Resp: 79621
 Ion Ratio Lower Upper
 74 100
 45 118.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.870 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampled :

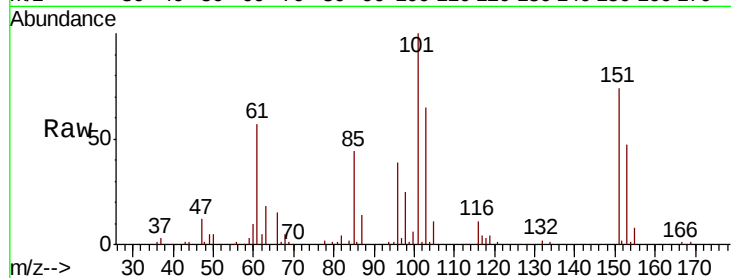
Tot Ion:101 Resp: 305743

Ion Ratio Lower Upper

101 100

85 43.6 32.4 48.6

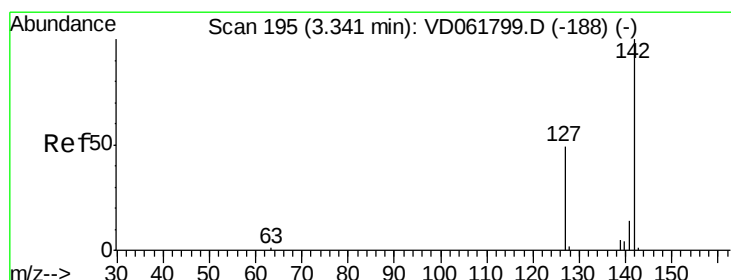
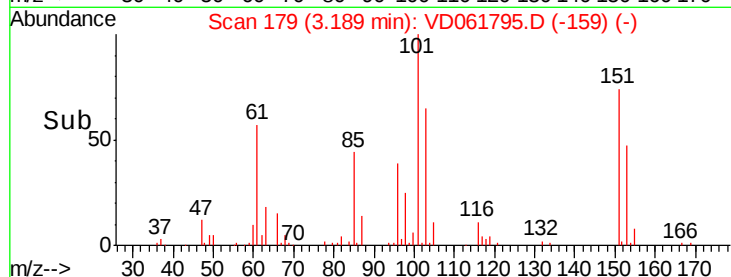
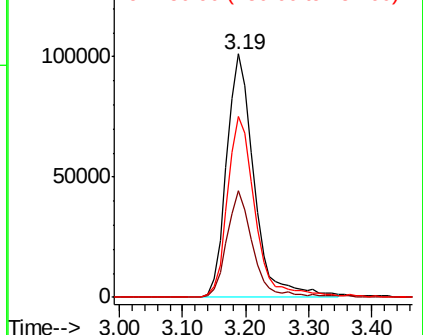
151 74.3 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 38.169 ug/l

RT: 3.35 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

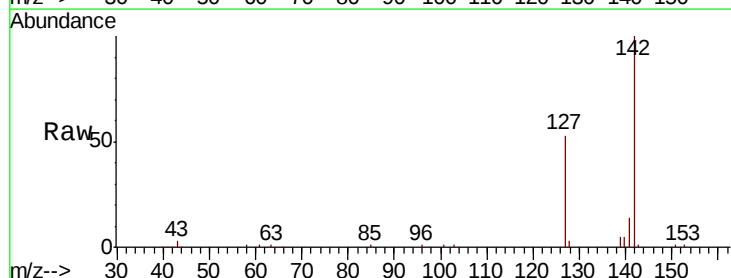
Tgt Ion:142 Resp: 414712

Ion Ratio Lower Upper

142 100

127 52.9 38.8 58.2

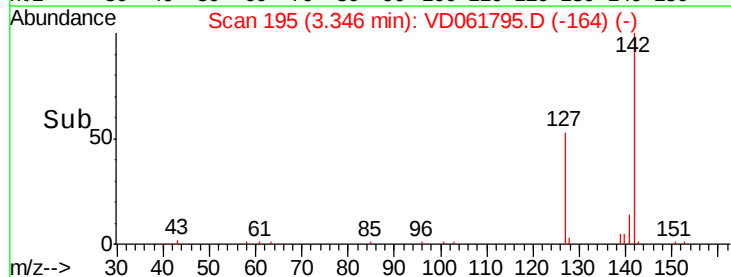
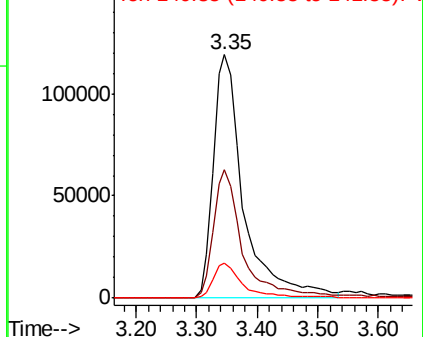
141 14.3 11.4 17.0

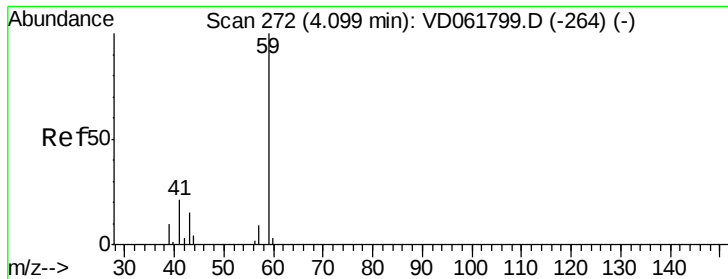


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



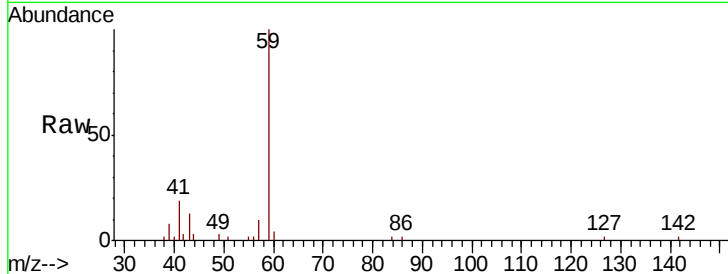


#11

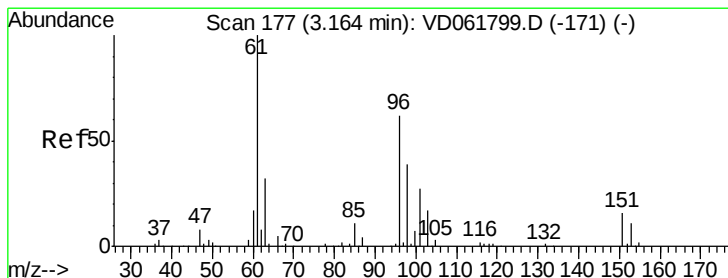
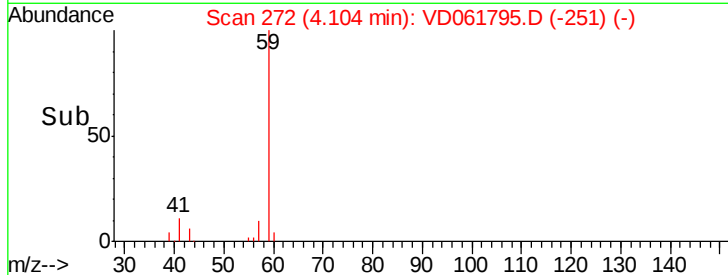
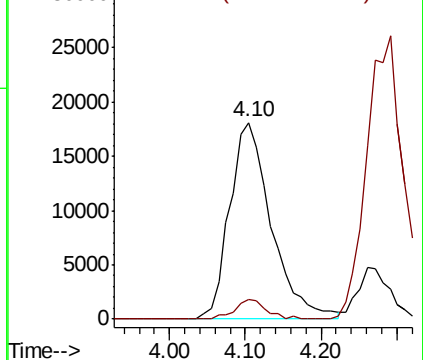
Tert butyl alcohol
Concen: 223.758 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 69040
Ion Ratio Lower Upper
59 100
57 9.8 6.9 10.3



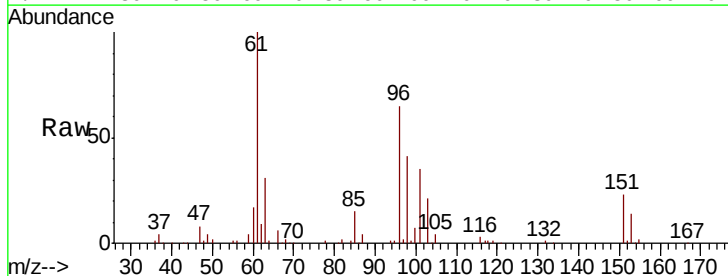
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



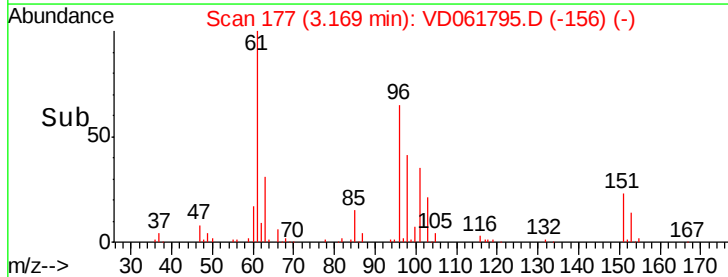
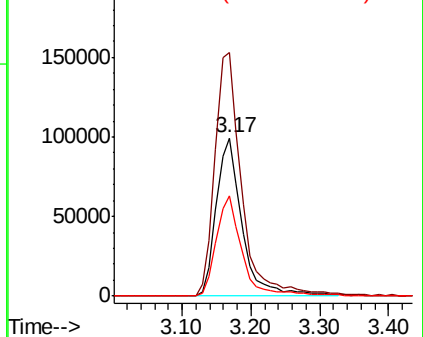
#12

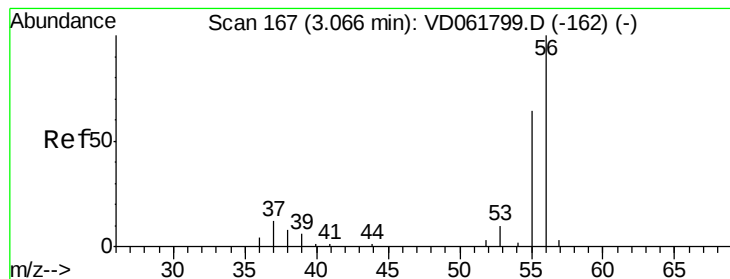
1,1-Dichloroethene
Concen: 44.155 ug/l
RT: 3.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 96 Resp: 258705
Ion Ratio Lower Upper
96 100
61 153.9 129.8 194.8
98 63.4 51.2 76.8



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





#13

Acrolein

Concen: 340.987 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

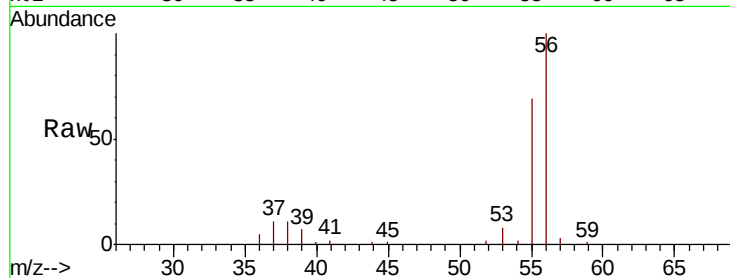
ClientSampleId :

Tot Ion: 56 Resp: 101853

Ion Ratio Lower Upper

56 100

55 68.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

40000

30000

20000

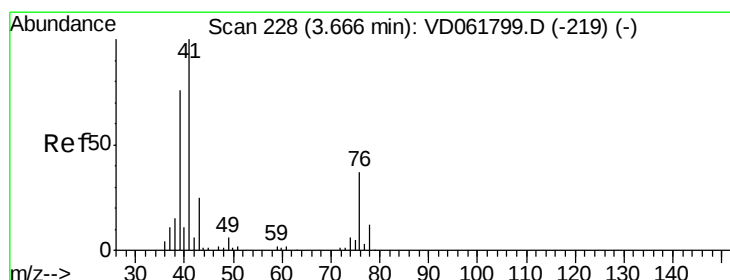
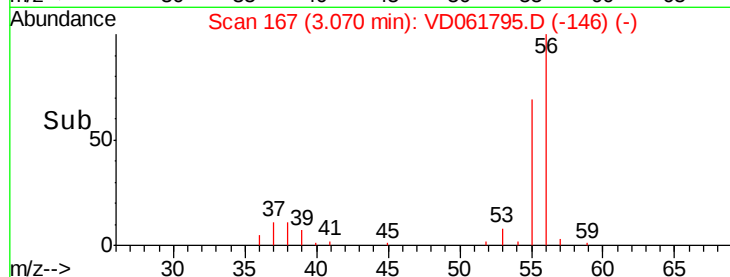
10000

0

Time-->

3.00 3.10 3.20 3.30

3.07



#14

Allyl chloride

Concen: 43.282 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

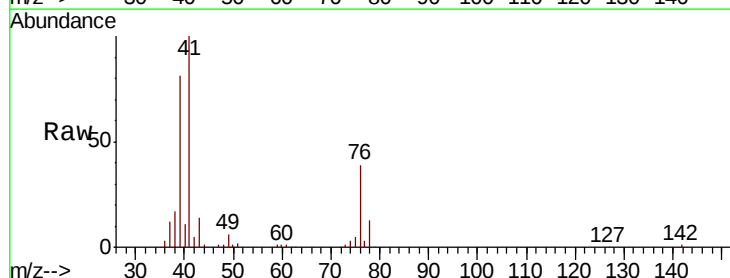
Tgt Ion: 41 Resp: 345658

Ion Ratio Lower Upper

41 100

39 80.6 60.5 90.7

76 39.3 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

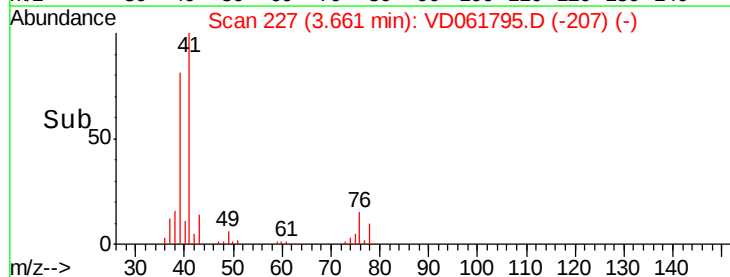
50000

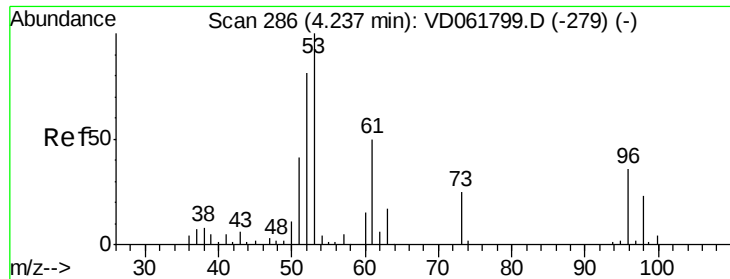
0

Time-->

3.50 3.60 3.70 3.80

3.66





#15

Acrylonitrile

Concen: 219.070 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampled :

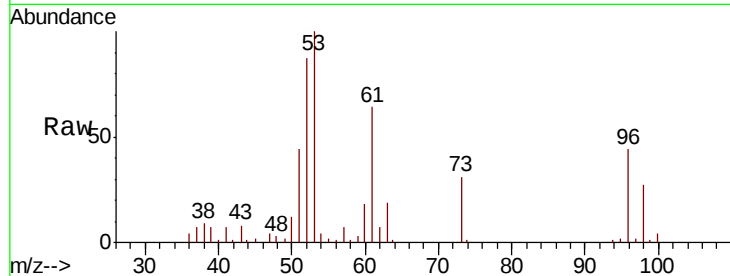
Tot Ion: 53 Resp: 212203

Ion Ratio Lower Upper

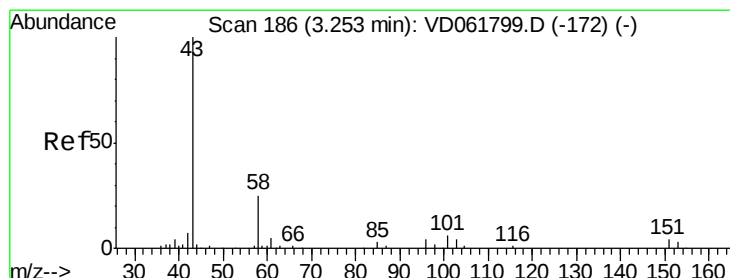
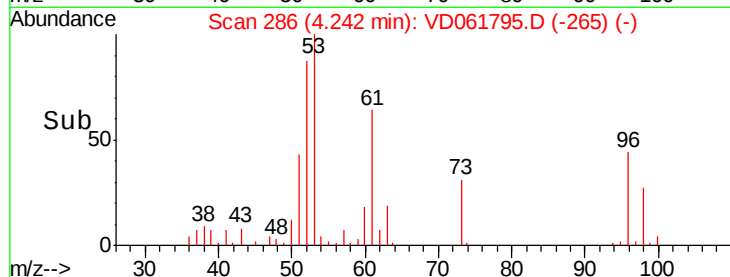
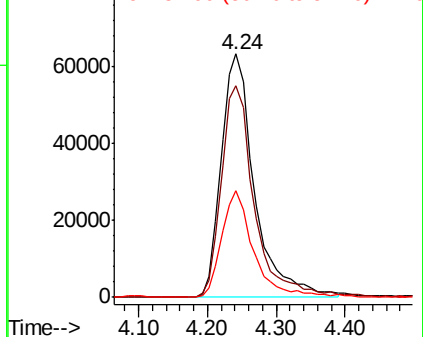
53 100

52 86.8 65.0 97.4

51 43.7 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: 237.531 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.00 min

Lab File: VD061795.D

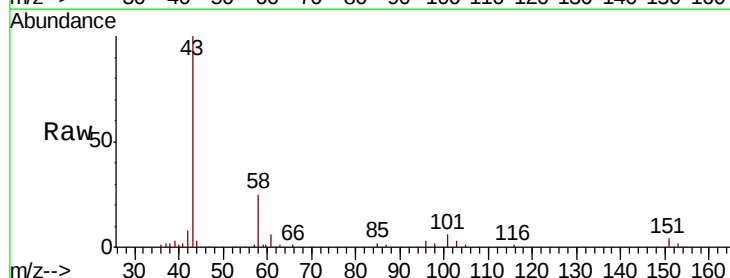
Acq: 15 Apr 2019 11:36

Tgt Ion: 43 Resp: 306298

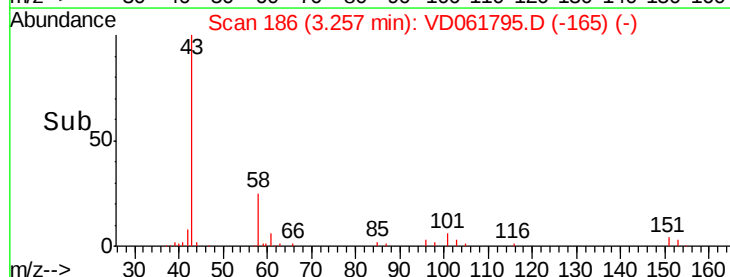
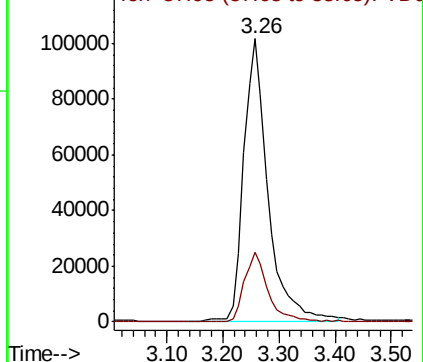
Ion Ratio Lower Upper

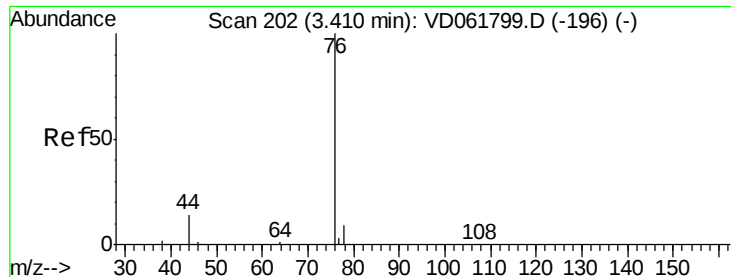
43 100

58 24.5 19.9 29.9



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

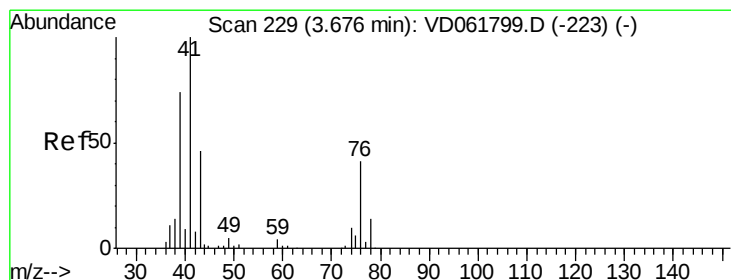
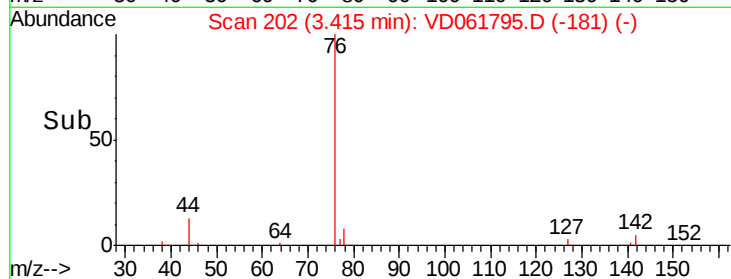
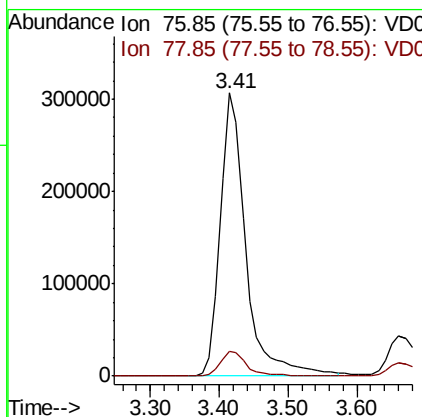
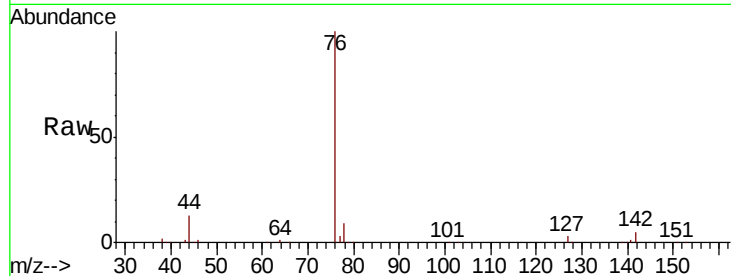




#17
Carbon Disulfide
Concen: 41.652 ug/l
RT: 3.41 min Scan# 202
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

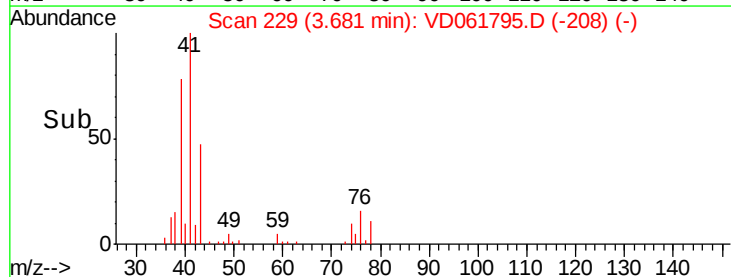
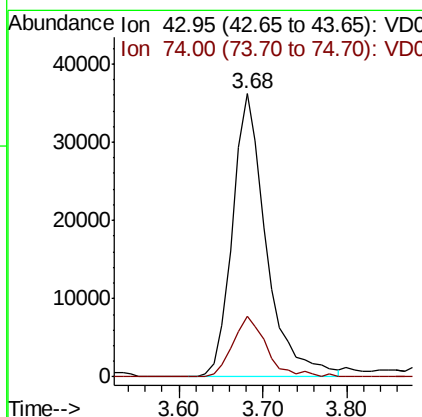
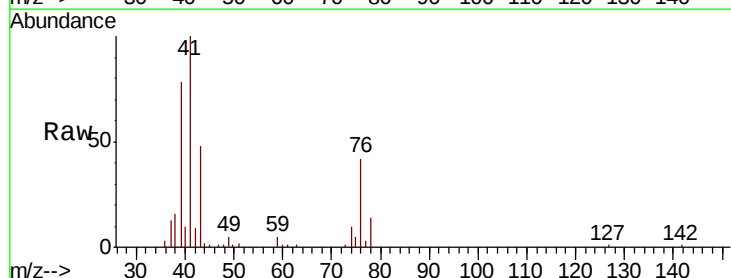
Instrument :
MSVOA_D
ClientSampleId :

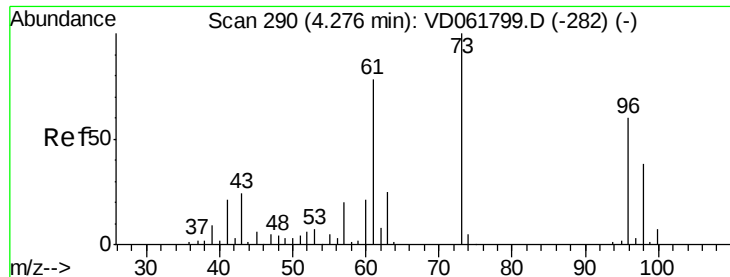
Tot Ion: 76 Resp: 788501
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 39.174 ug/l
RT: 3.68 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 43 Resp: 101249
Ion Ratio Lower Upper
43 100
74 21.4 18.0 27.0

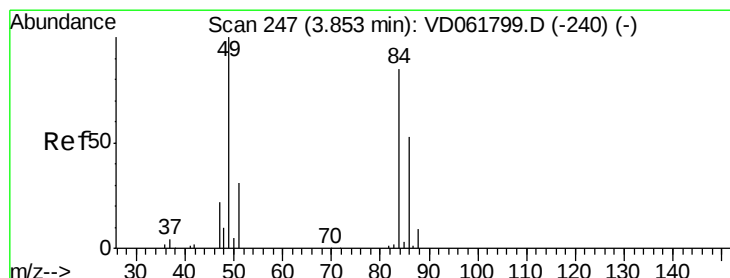
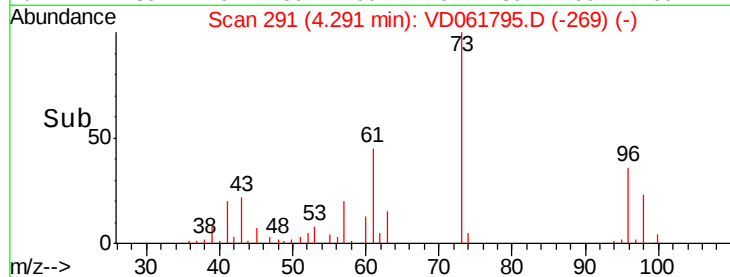
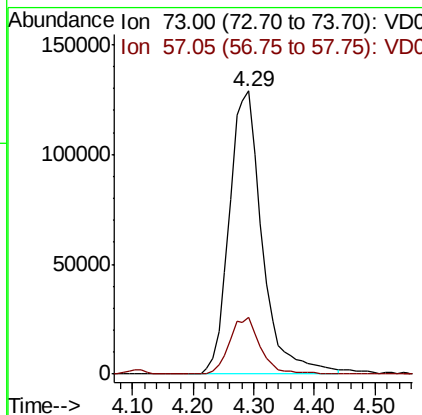
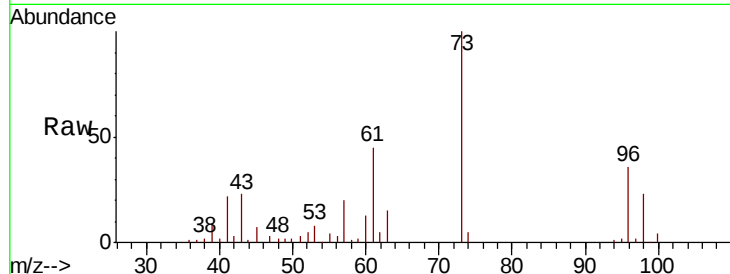




#19
Methyl tert-butyl Ether
Concen: 44.517 ug/l
RT: 4.29 min Scan# 291
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

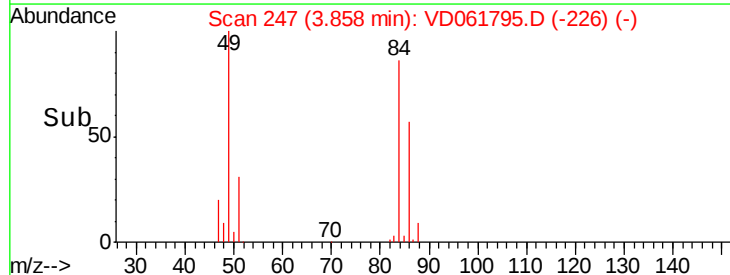
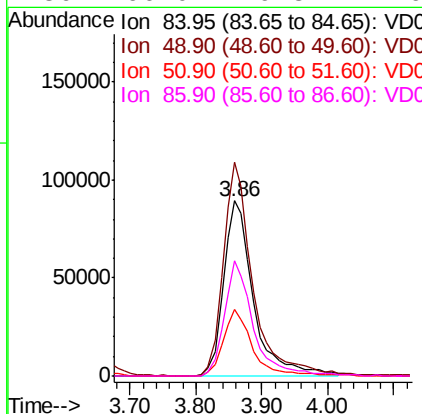
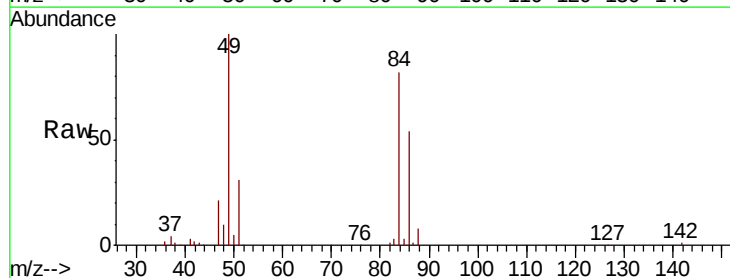
Instrument :
MSVOA_D
ClientSampled :

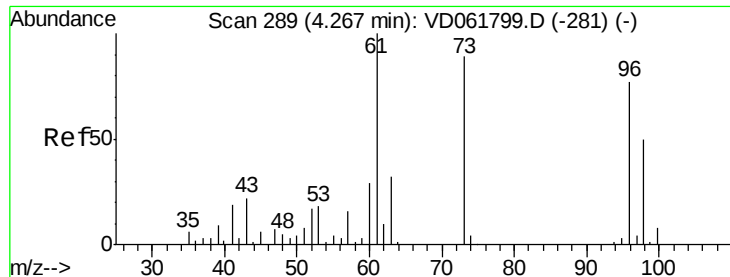
Tot Ion: 73 Resp: 486757
Ion Ratio Lower Upper
73 100
57 20.3 16.3 24.5



#20
Methylene Chloride
Concen: 43.503 ug/l
RT: 3.86 min Scan# 247
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 84 Resp: 282663
Ion Ratio Lower Upper
84 100
49 122.1 94.0 141.0
51 38.2 29.0 43.4
86 66.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 44.740 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :

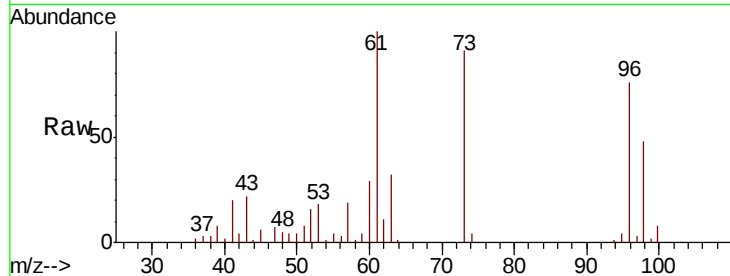
Tot Ion: 96 Resp: 288081

Ion Ratio Lower Upper

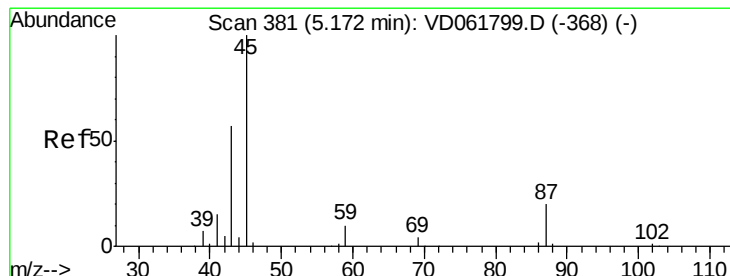
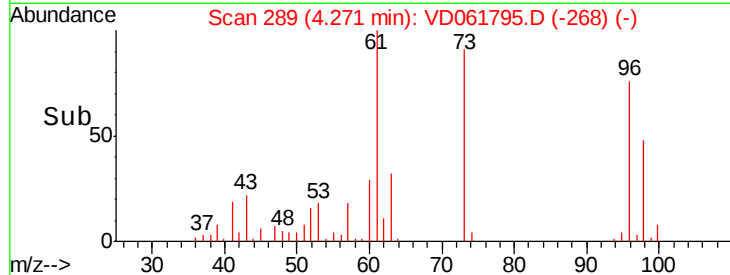
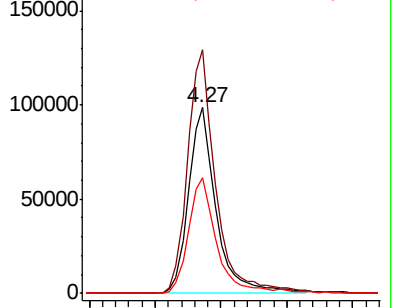
96 100

61 131.3 104.4 156.6

98 62.6 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: 46.619 ug/l

RT: 5.18 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion: 45 Resp: 795843

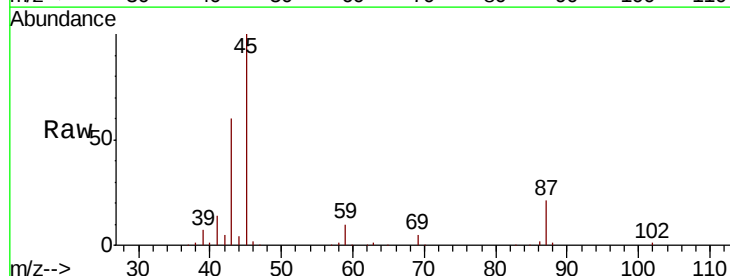
Ion Ratio Lower Upper

45 100

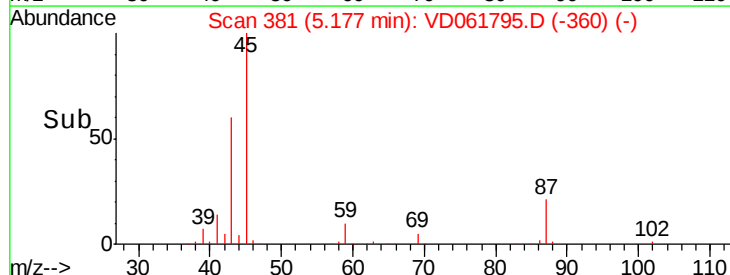
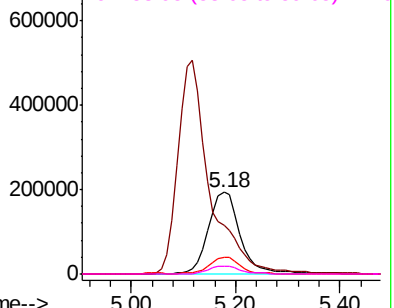
43 60.0 46.2 69.2

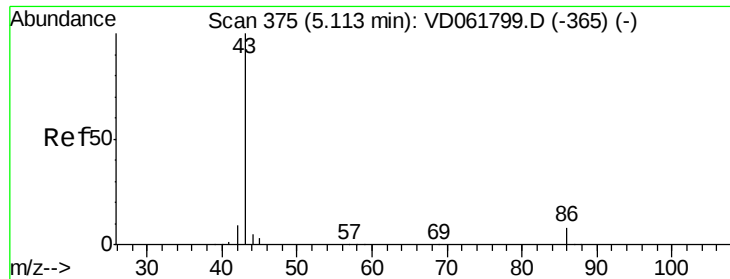
87 20.8 15.9 23.9

59 9.6 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: 231.876 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

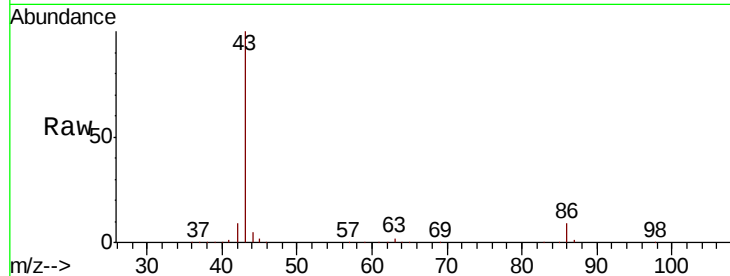
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2116018

Ion Ratio Lower Upper

43 100

86 8.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.12

500000

400000

300000

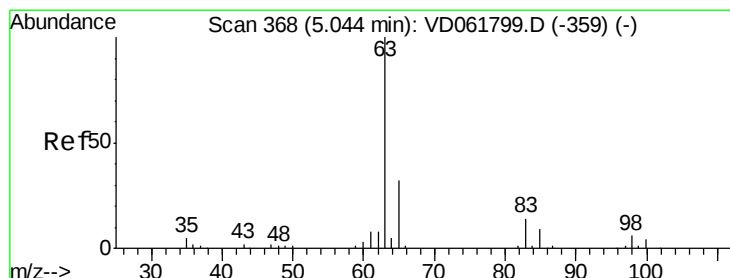
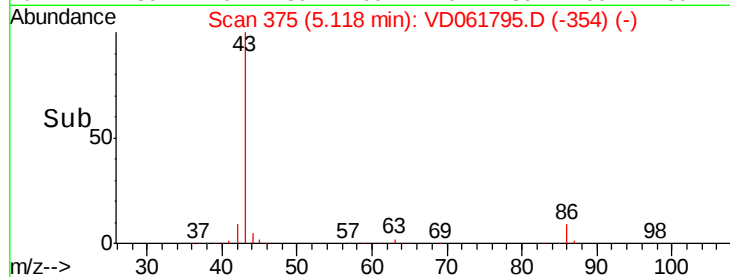
200000

100000

0

Time-->

5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 45.004 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

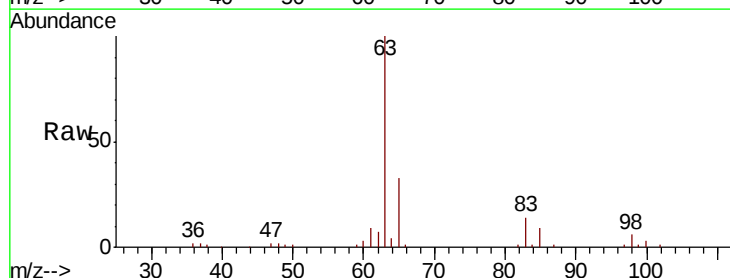
Tgt Ion: 63 Resp: 465798

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

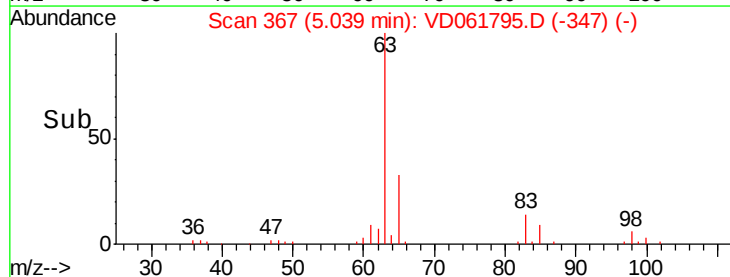
100000

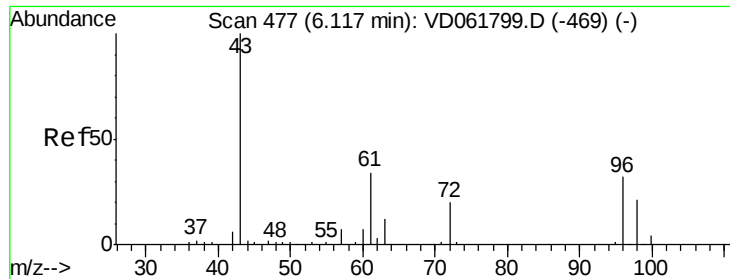
50000

0

Time-->

4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 218.594 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

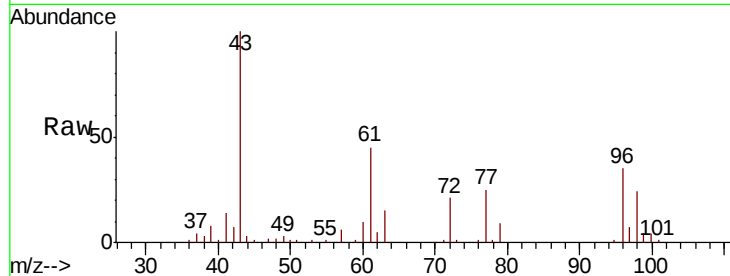
ClientSampled :

Tot Ion: 43 Resp: 320911

Ion Ratio Lower Upper

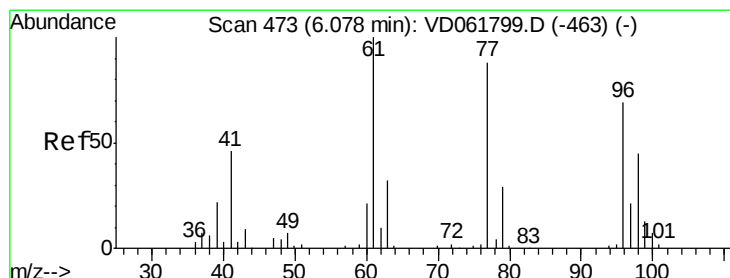
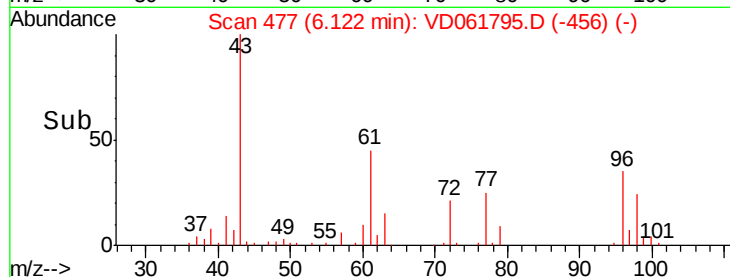
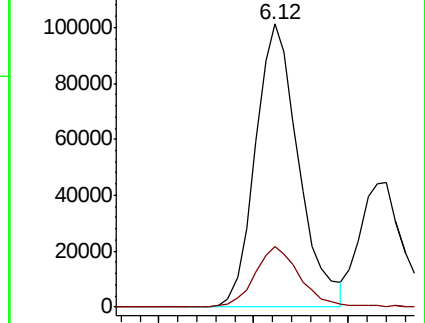
43 100

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: 47.202 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061795.D

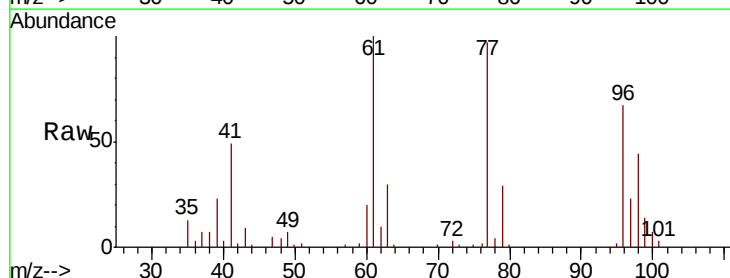
Acq: 15 Apr 2019 11:36

Tgt Ion: 77 Resp: 422279

Ion Ratio Lower Upper

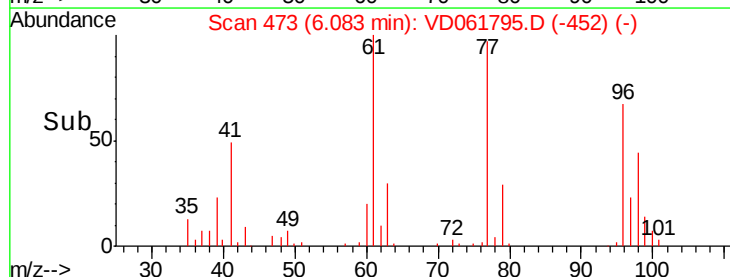
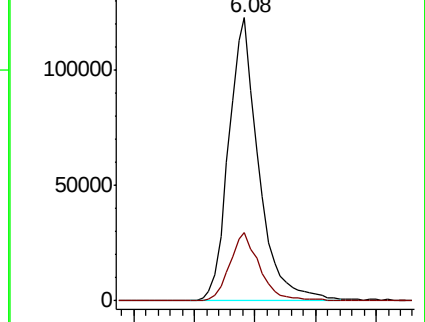
77 100

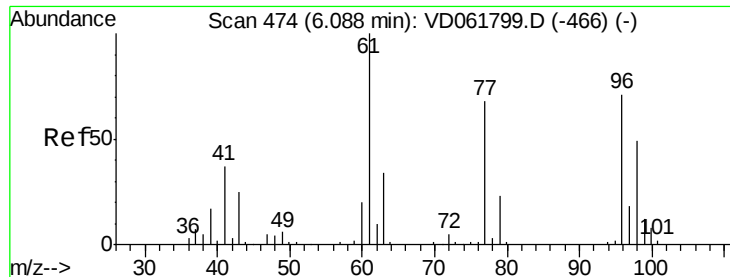
97 24.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



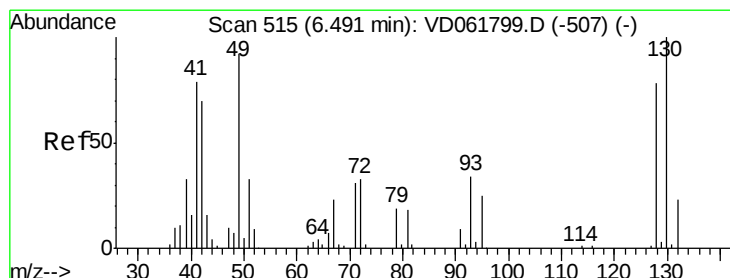
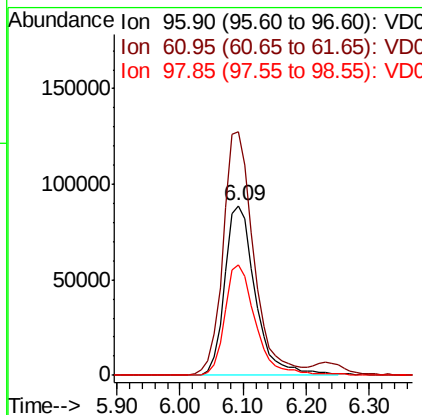
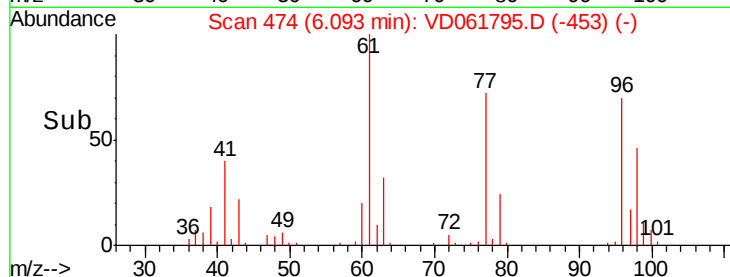
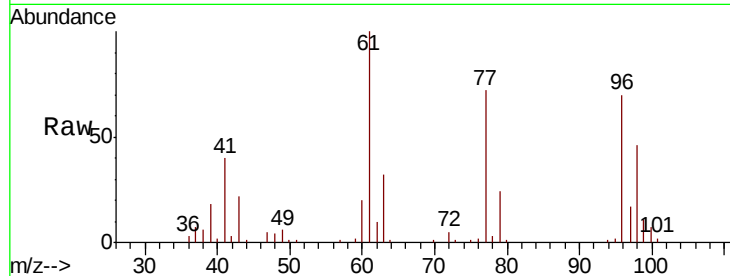


#27

cis-1,2-Dichloroethene
Concen: 42.694 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :

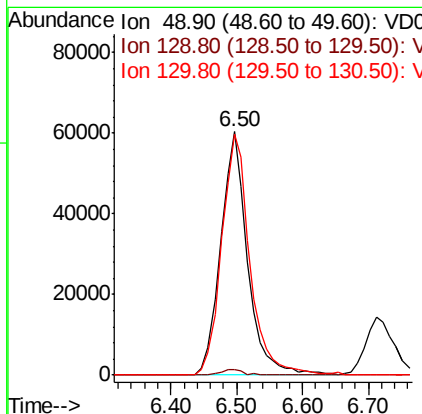
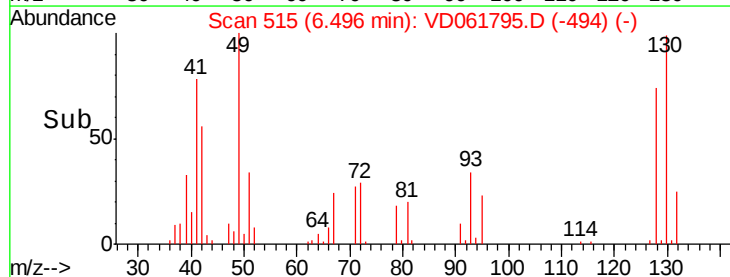
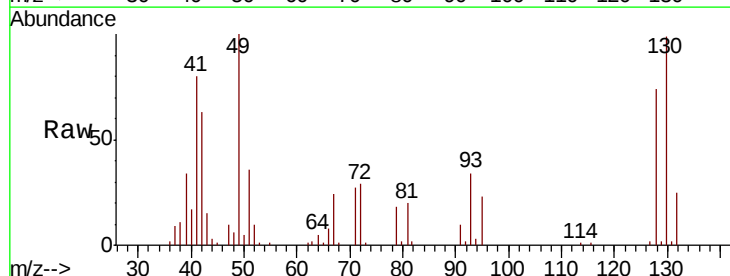
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	279.8
98	65.4	0.0	136.0

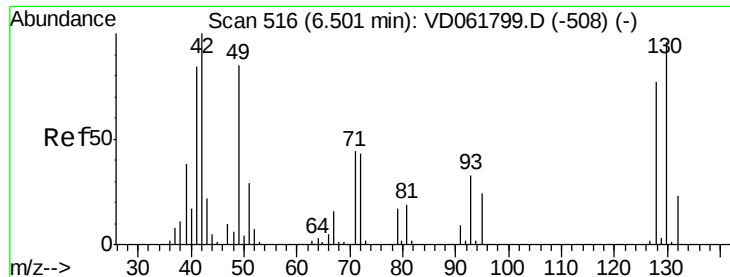


#28

Bromochloromethane
Concen: 43.593 ug/l
RT: 6.50 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	6.6
130	99.0	86.7	130.1

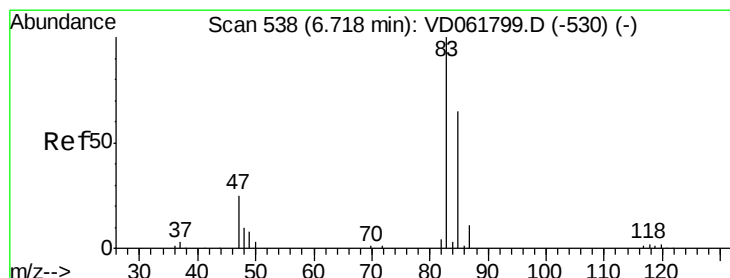
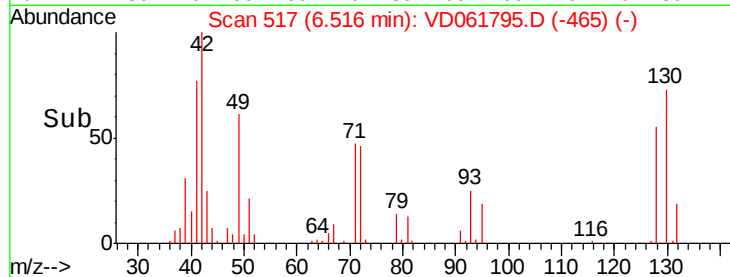
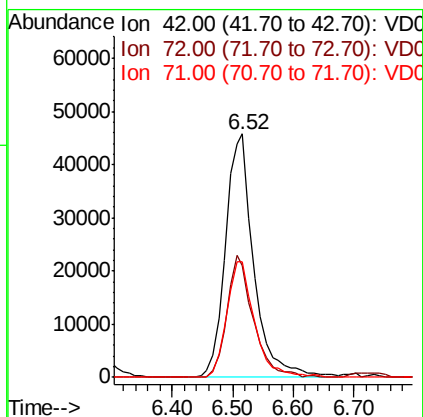
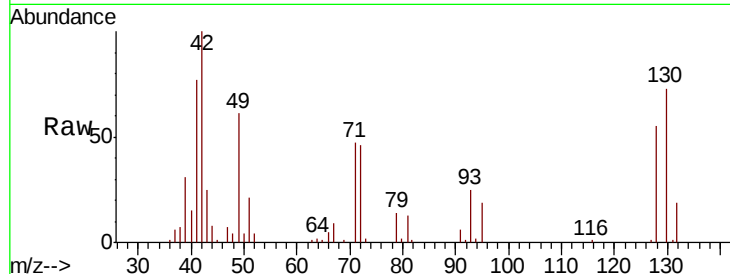




#29
Tetrahydrofuran
Concen: 206.888 ug/l
RT: 6.52 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

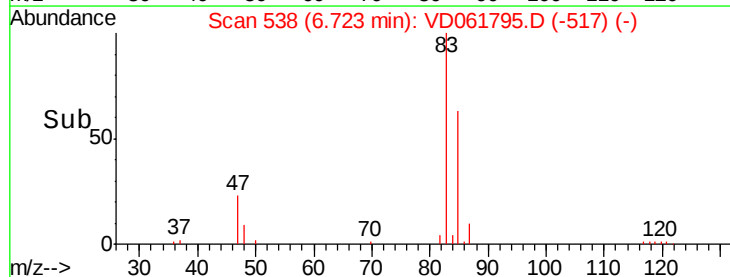
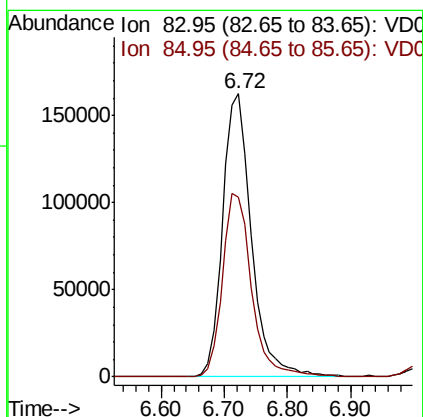
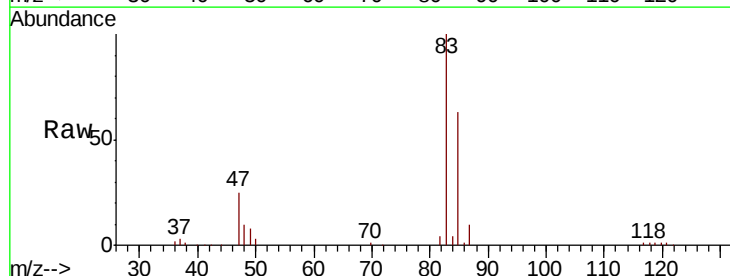
Instrument :
MSVOA_D
ClientSampleId :

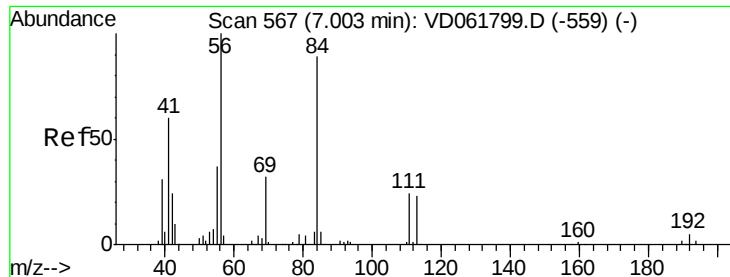
Tot Ion: 42 Resp: 147949
Ion Ratio Lower Upper
42 100
72 46.7 37.8 56.6
71 46.8 36.7 55.1



#30
Chloroform
Concen: 44.670 ug/l
RT: 6.72 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 83 Resp: 515693
Ion Ratio Lower Upper
83 100
85 63.5 51.7 77.5

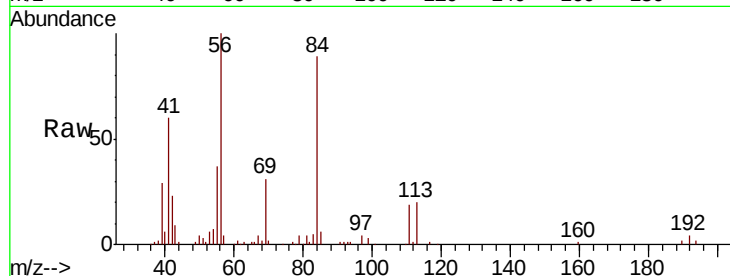




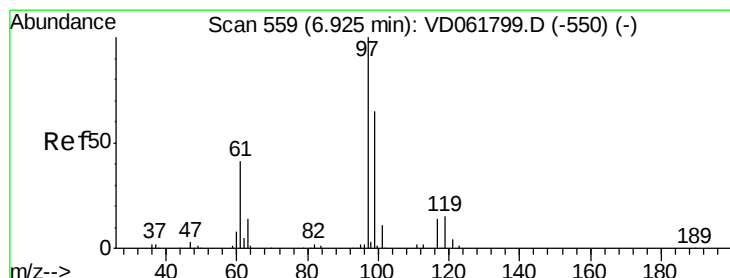
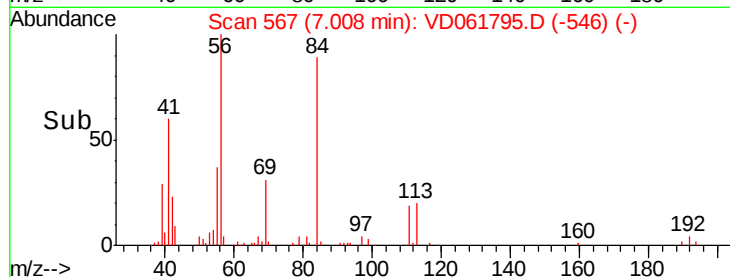
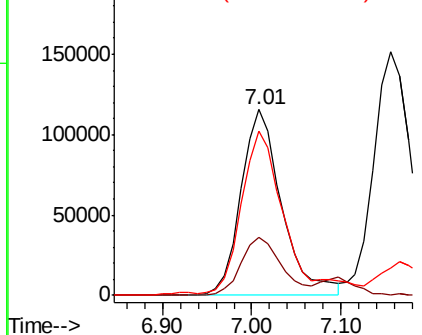
#31
Cvclohexane
Concen: 46.242 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 366393
Ion Ratio Lower Upper
56 100
69 31.4 25.8 38.6
84 88.5 72.2 108.4

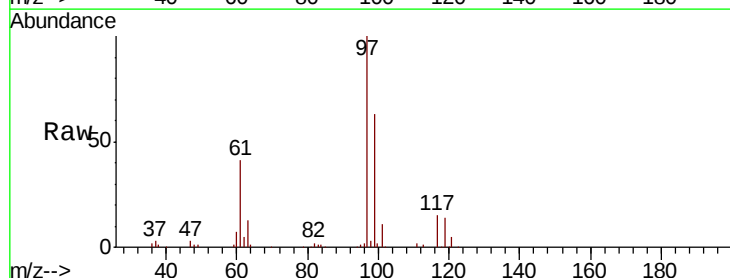


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

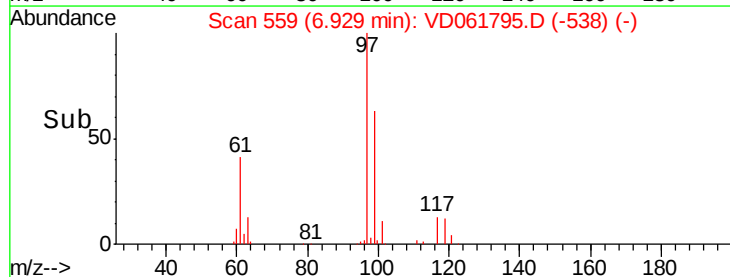
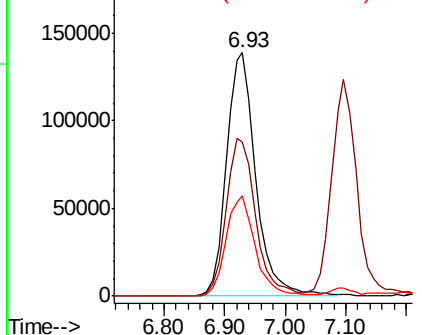


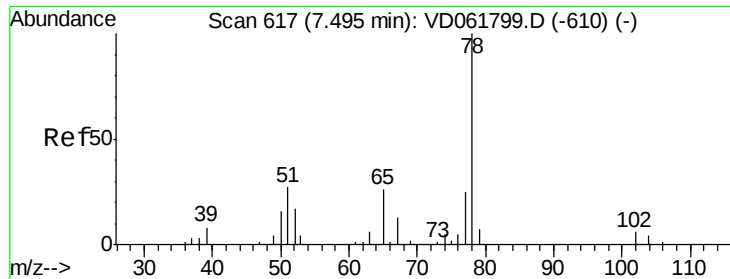
#32
1,1,1-Trichloroethane
Concen: 45.451 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 97 Resp: 465125
Ion Ratio Lower Upper
97 100
99 63.3 52.2 78.2
61 41.1 32.4 48.6



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

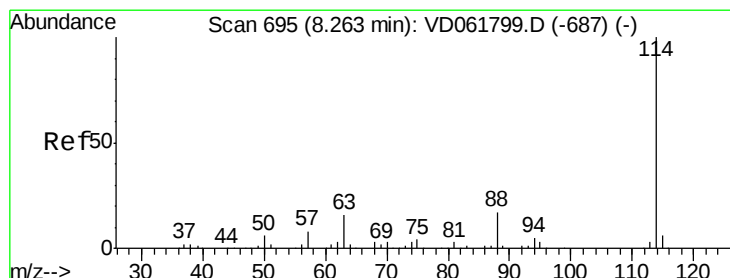
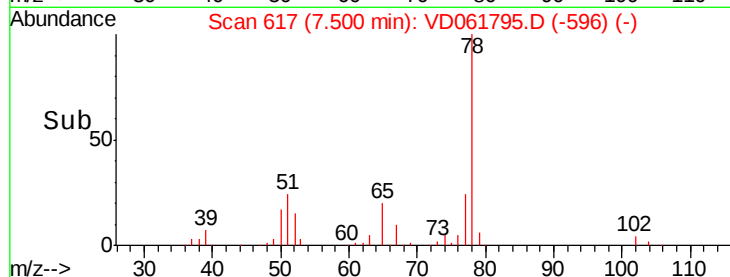
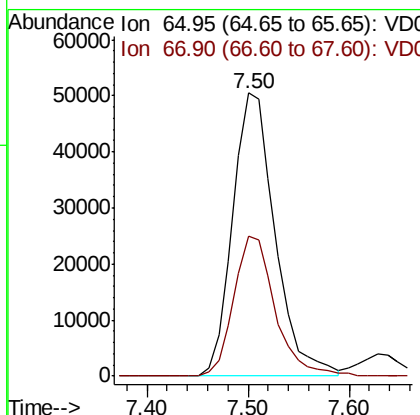
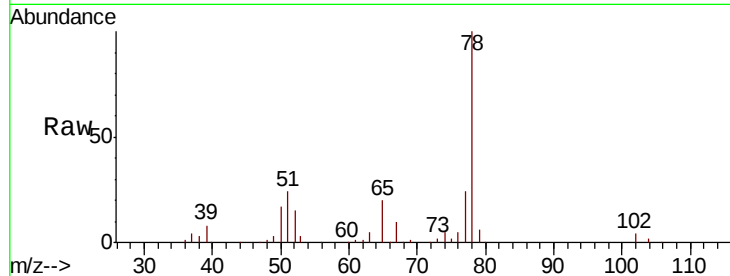




#33
 1,2-Dichloroethane-d4
 Concen: 45.451 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

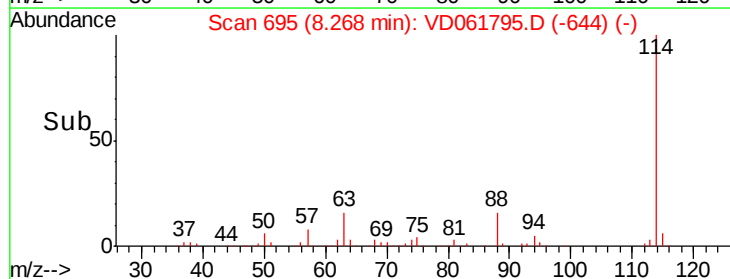
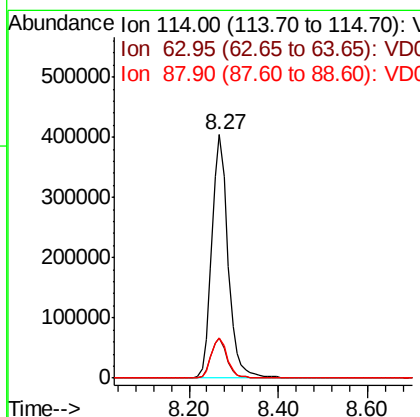
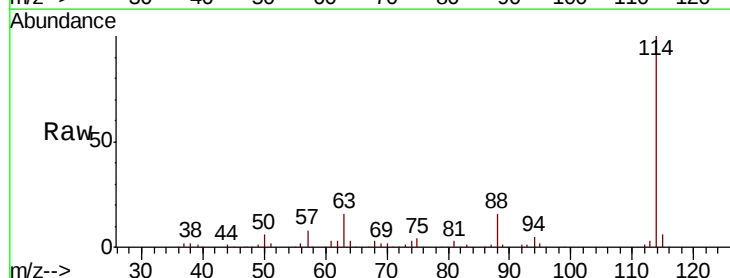
Instrument :
 MSVOA_D
 ClientSampled :

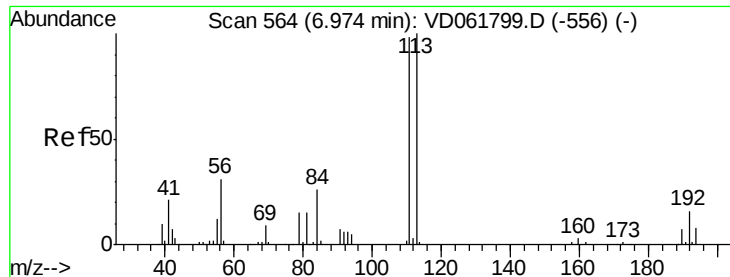
Tot Ion: 65 Resp: 147192
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.27 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 114 Resp: 1019850
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 16.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampled :

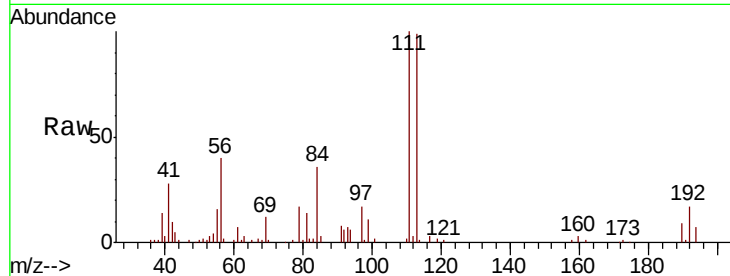
Tot Ion:113 Resp: 231659

Ion Ratio Lower Upper

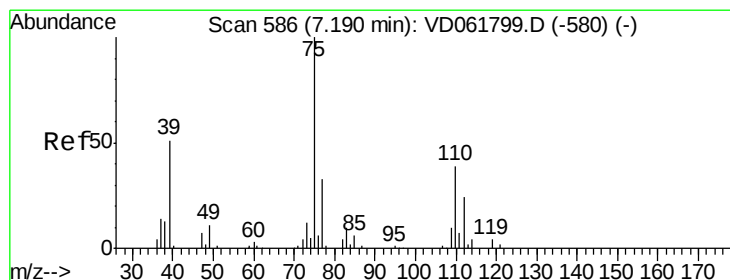
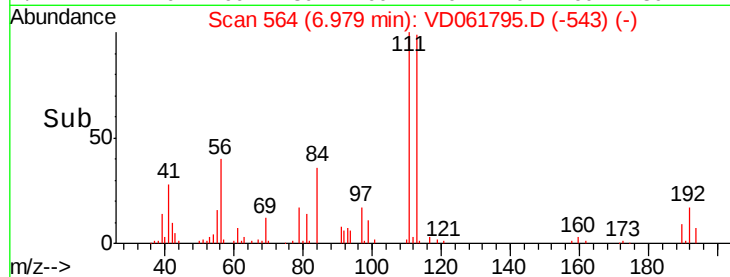
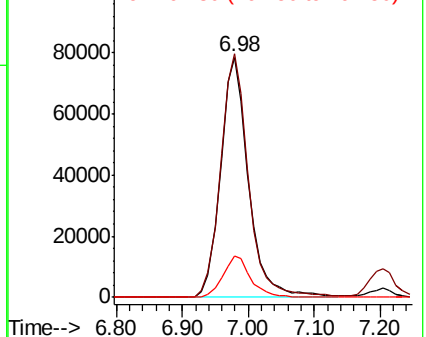
113 100

111 101.4 78.5 117.7

192 17.1 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: 46.071 ug/l

RT: 7.21 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

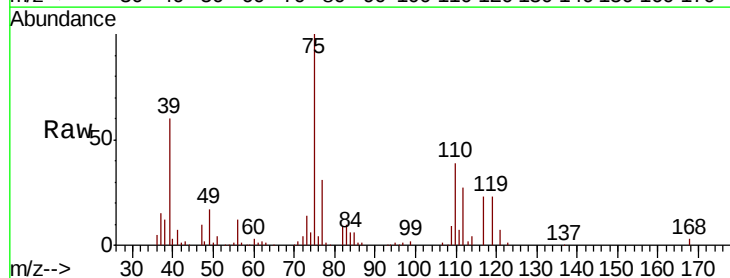
Tgt Ion: 75 Resp: 383944

Ion Ratio Lower Upper

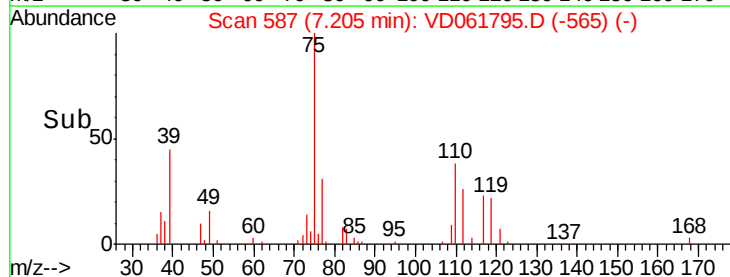
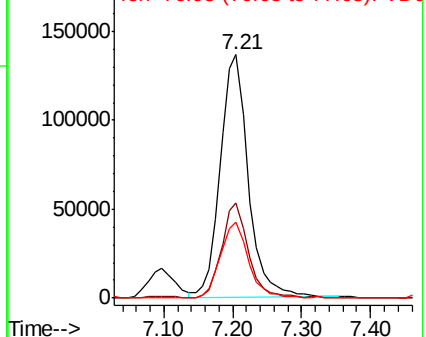
75 100

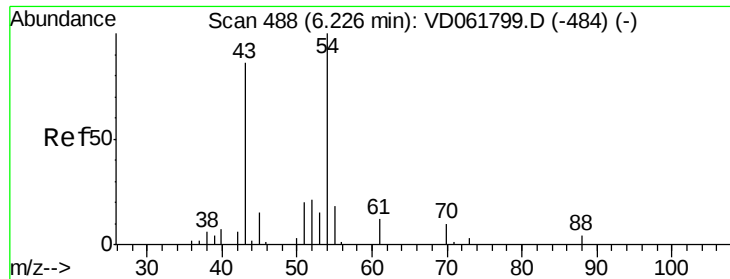
110 38.9 19.1 57.1

77 31.4 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

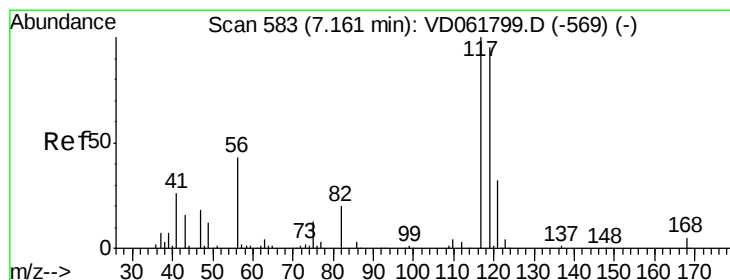
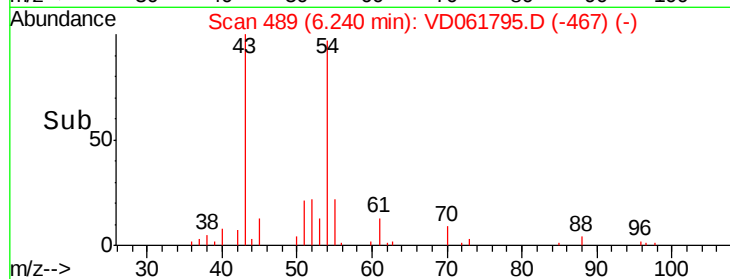
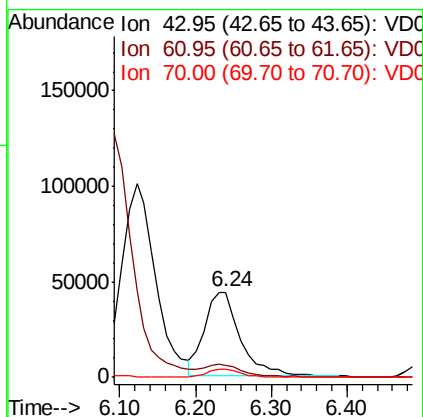
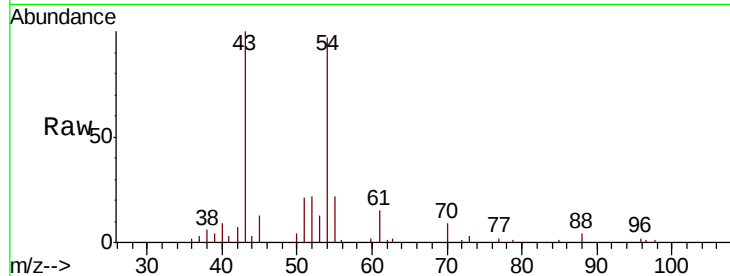




#37
Ethyl Acetate
Concen: 40.753 ug/l
RT: 6.24 min Scan# 489
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

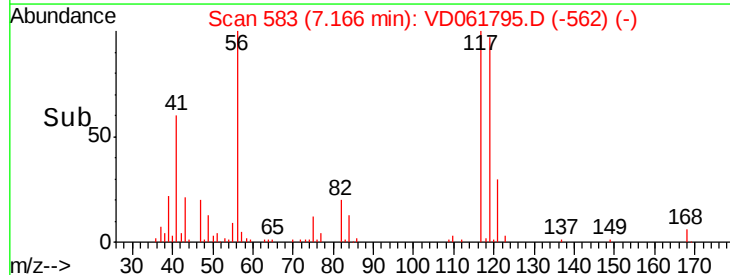
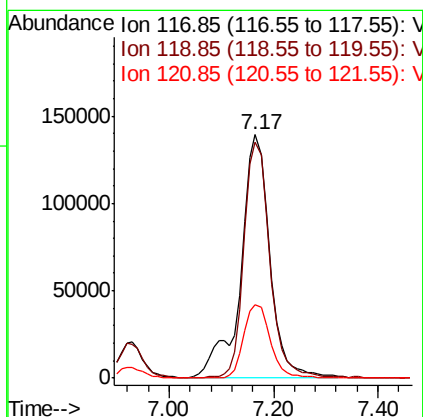
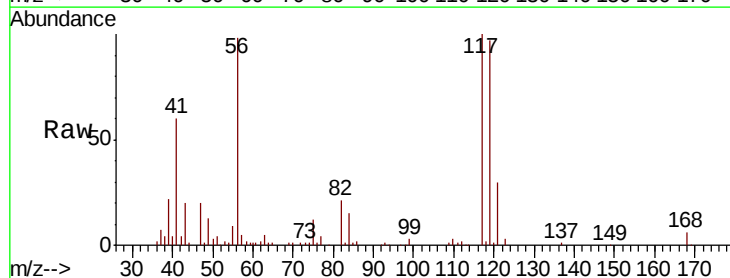
Instrument :
MSVOA_D
ClientSampleId :

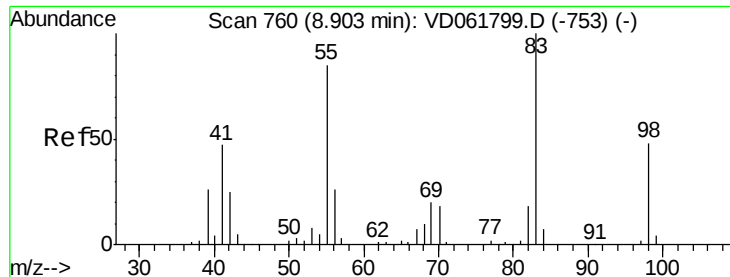
Tot Ion: 43 Resp: 145356
Ion Ratio Lower Upper
43 100
61 14.5 14.7 22.1#
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 49.472 ug/l
RT: 7.17 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 117 Resp: 520607
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8
121 30.1 25.9 38.9

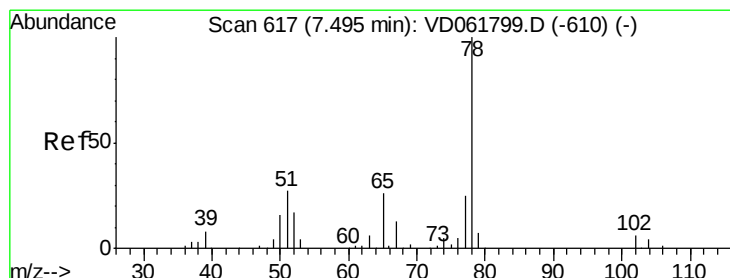
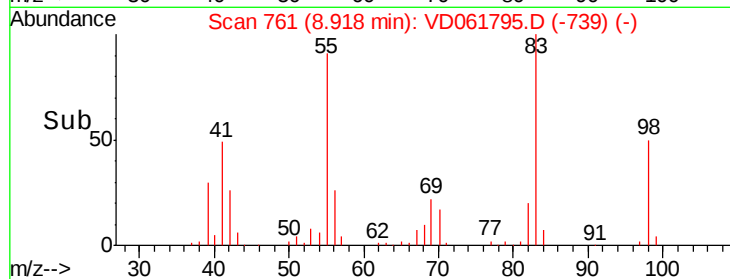
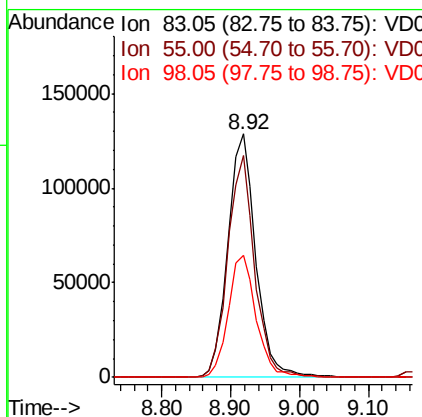
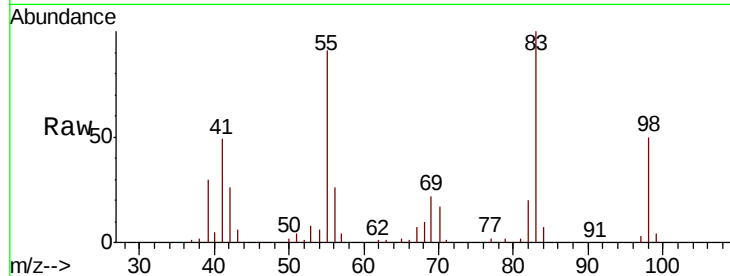




#39
Methvlcvclohexane
Concen: 41.645 ug/l
RT: 8.92 min Scan# 761
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

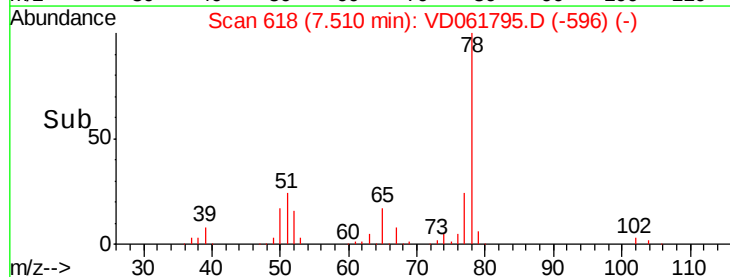
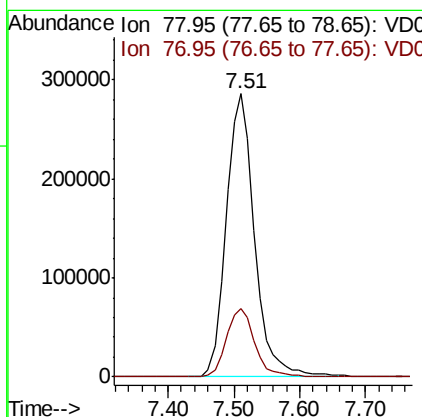
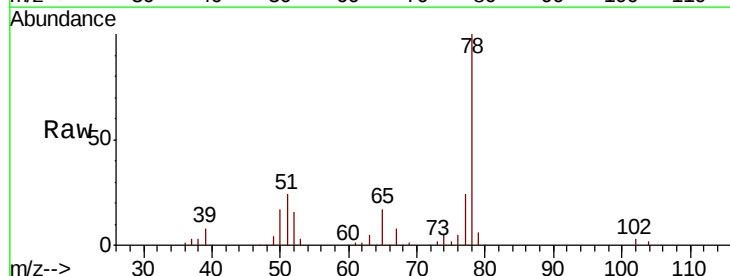
Instrument :
MSVOA_D
ClientSampleId :

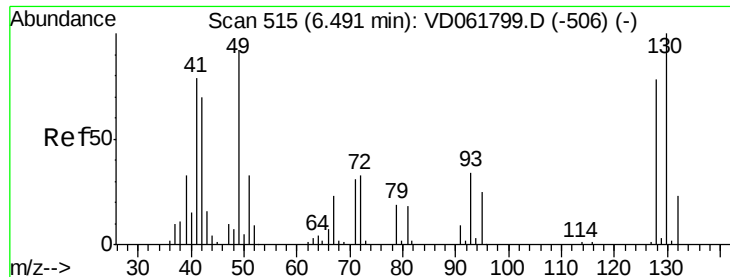
Tot Ion: 83 Resp: 360399
Ion Ratio Lower Upper
83 100
55 91.3 68.2 102.4
98 49.9 38.2 57.4



#40
Benzene
Concen: 43.017 ug/l
RT: 7.51 min Scan# 618
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 78 Resp: 860669
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5

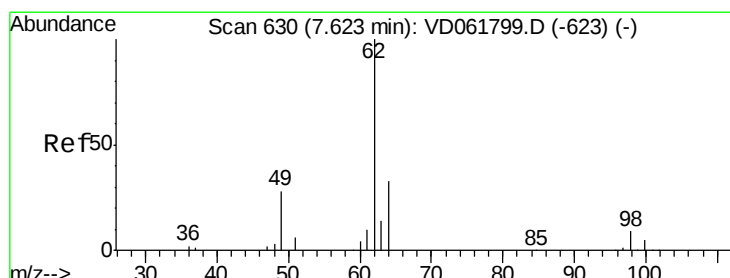
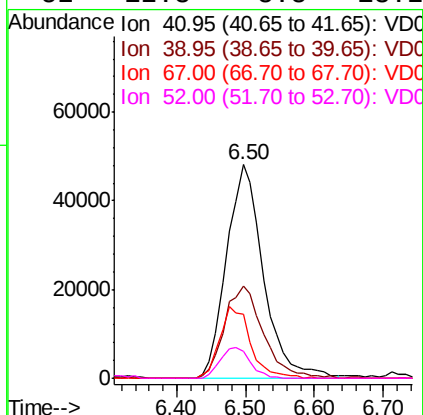
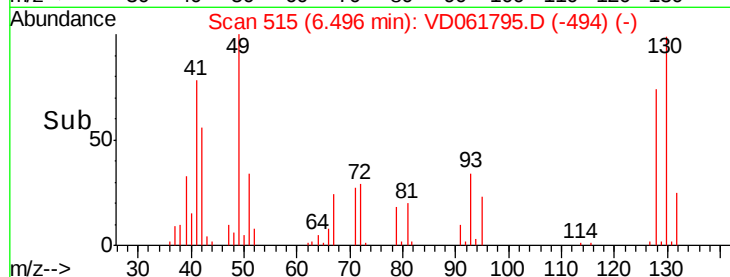
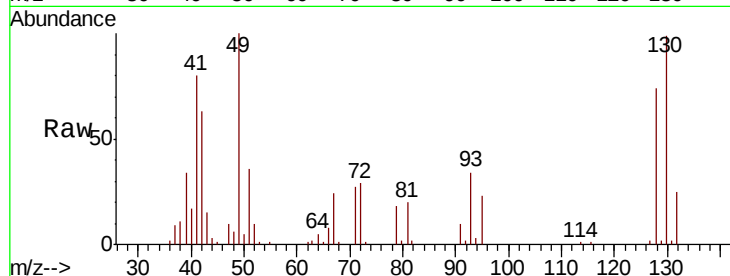




#41
Methacrylonitrile
Concen: 42.354 ug/l
RT: 6.50 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

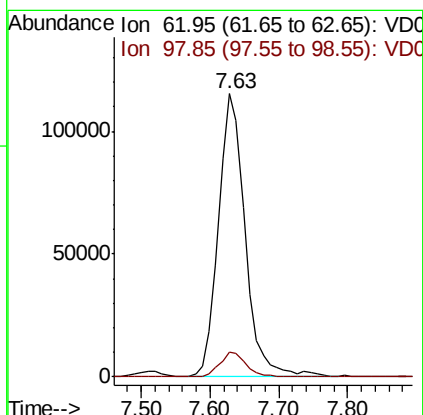
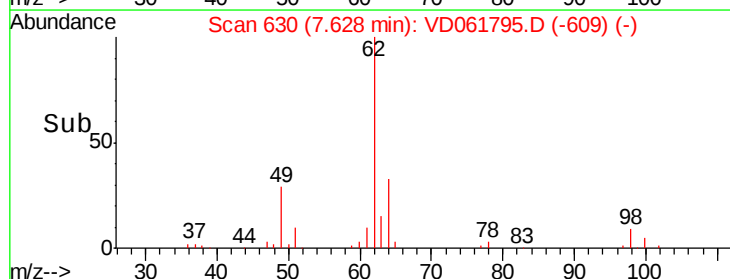
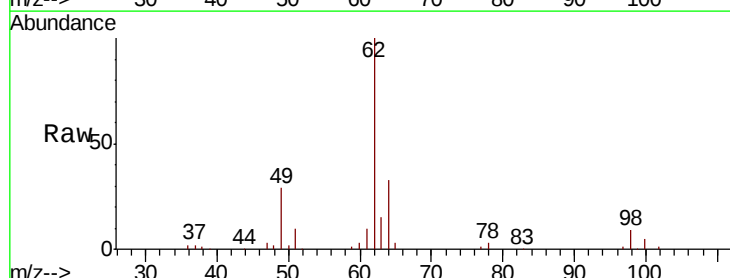
Instrument :
MSVOA_D
ClientSampleId :

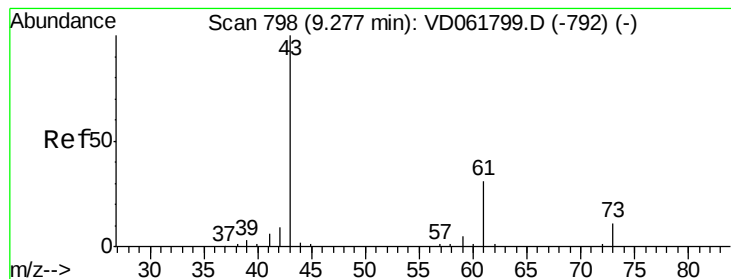
Tot Ion:	41	Resp:	178558
Ion	Ratio	Lower	Upper
41	100		
39	42.9	34.1	51.1
67	29.9	23.8	35.6
52	12.3	8.8	13.2



#42
1,2-Dichloroethane
Concen: 44.570 ug/l
RT: 7.63 min Scan# 630
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion:	62	Resp:	310568
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



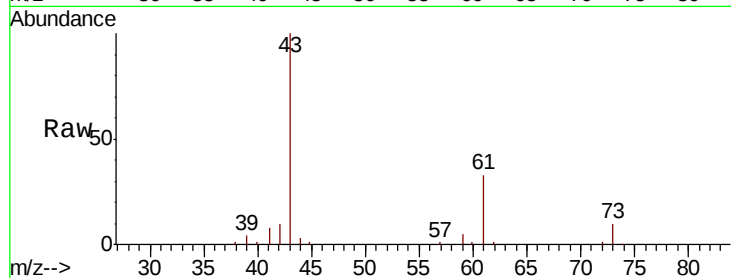


#43

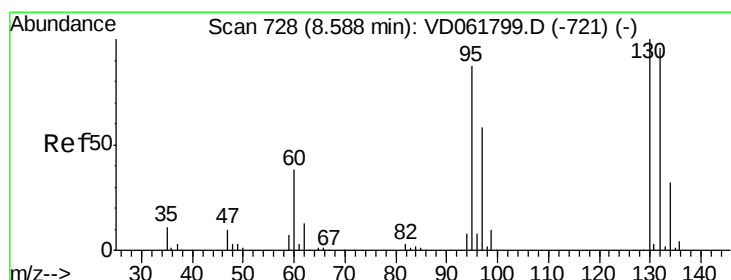
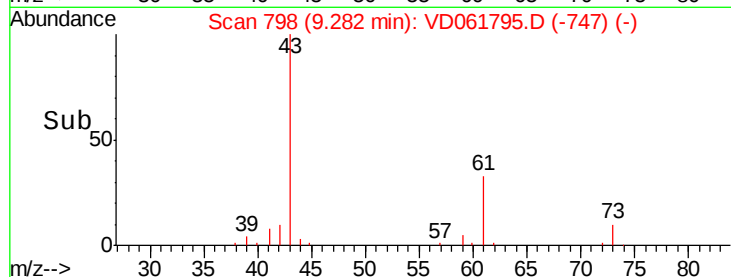
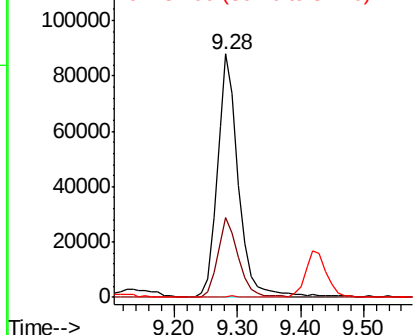
Isopropyl Acetate
 Concen: 41.028 ug/l
 RT: 9.28 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 205931
 Ion Ratio Lower Upper
 43 100
 61 33.0 25.1 37.7
 87 0.0 0.0 0.0



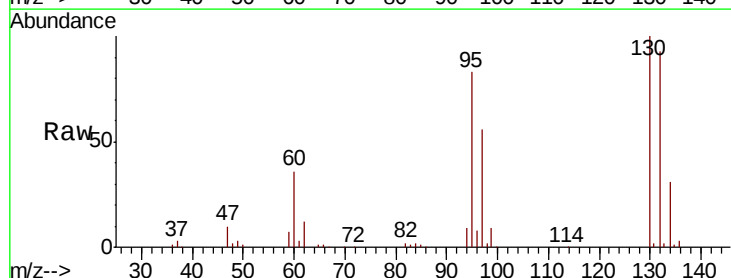
Abundance Ion 42.95 (42.65 to 43.65): VDC
 120000 Ion 60.95 (60.65 to 61.65): VDC
 100000 Ion 87.00 (86.70 to 87.70): VDC



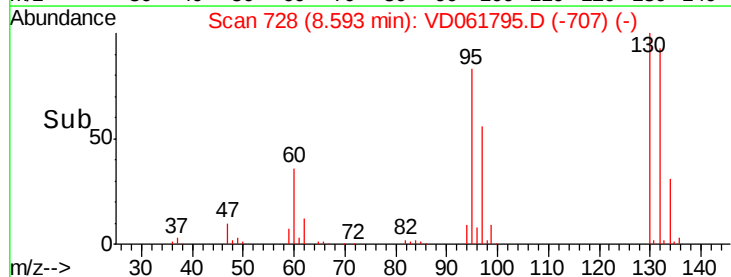
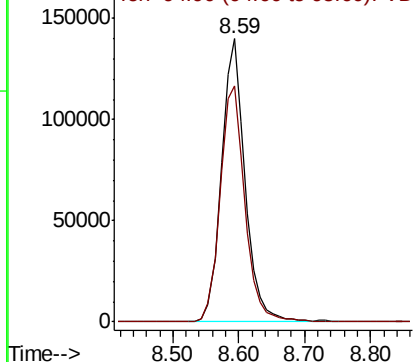
#44

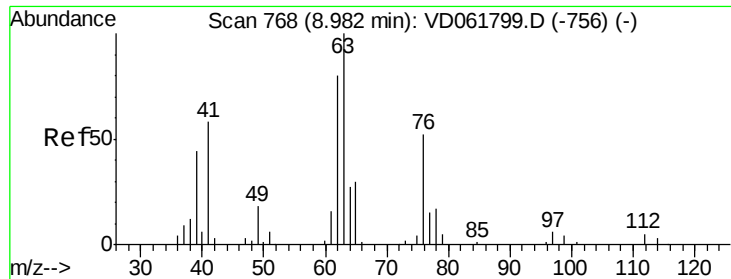
Trichloroethene
 Concen: 45.441 ug/l
 RT: 8.59 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 130 Resp: 349993
 Ion Ratio Lower Upper
 130 100
 95 83.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 150000 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 38.290 ug/l

RT: 8.99 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

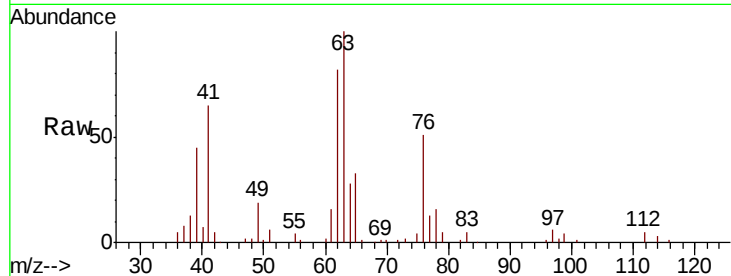
ClientSampled :

Tot Ion: 63 Resp: 199549

Ion Ratio Lower Upper

63 100

65 33.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.99

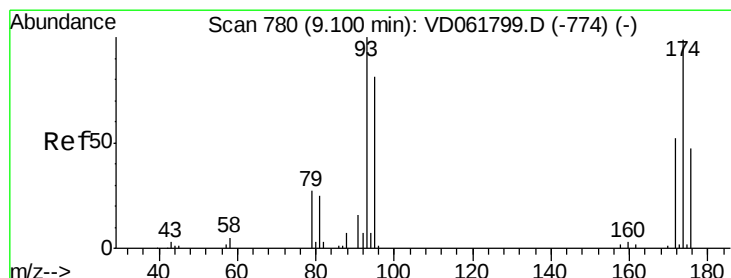
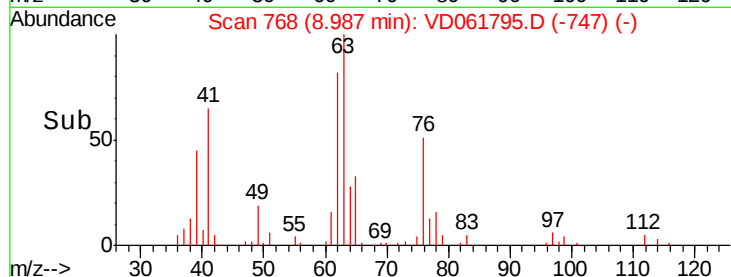
80000

60000

40000

20000

Time-->



#46

Dibromomethane

Concen: 43.168 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

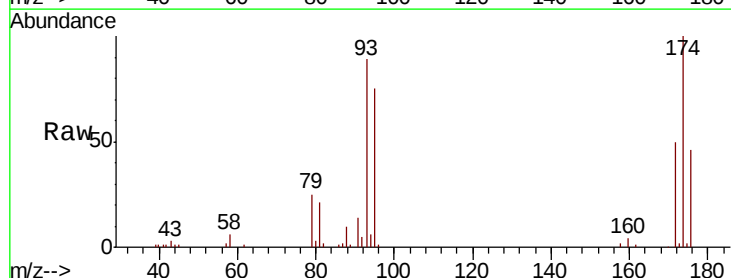
Tgt Ion: 93 Resp: 160299

Ion Ratio Lower Upper

93 100

95 84.6 64.8 97.2

174 112.7 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

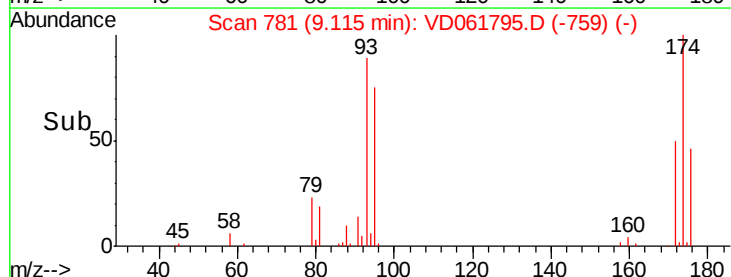
80000

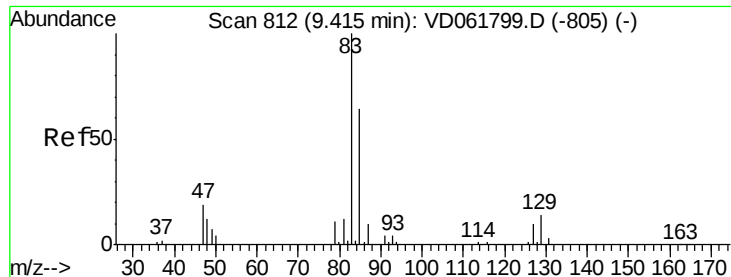
60000

40000

20000

Time-->





#47

Bromodichloromethane

Concen: 44.726 ug/l

RT: 9.42 min Scan# 812

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

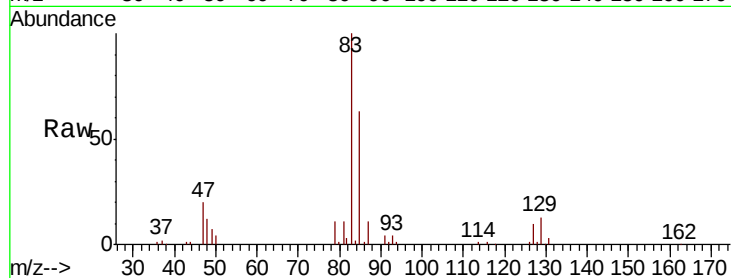
Tot Ion: 83 Resp: 383159

Ion Ratio Lower Upper

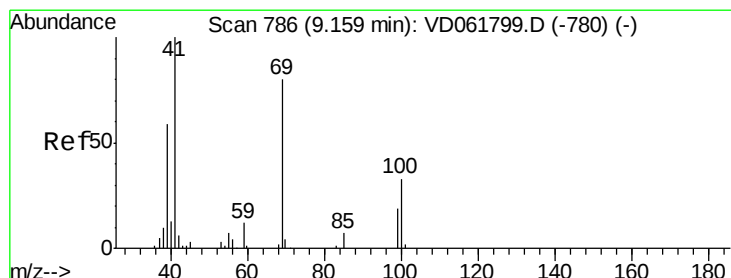
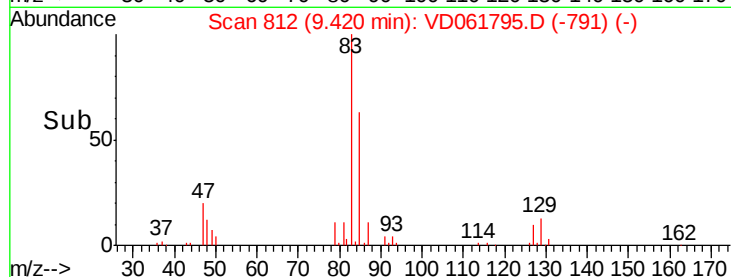
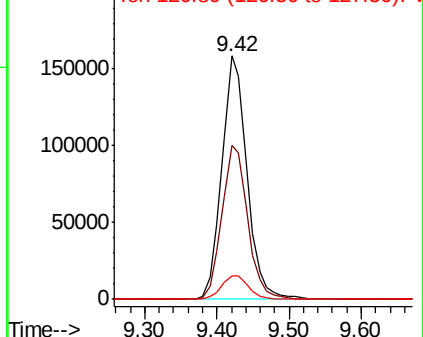
83 100

85 63.2 50.9 76.3

127 9.7 8.1 12.1



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



#48

Methyl methacrylate

Concen: 41.198 ug/l

RT: 9.16 min Scan# 786

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

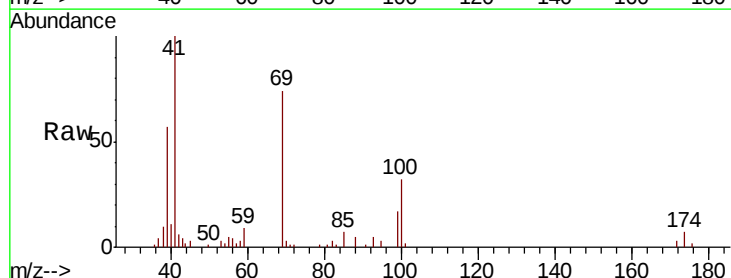
Tgt Ion: 41 Resp: 121552

Ion Ratio Lower Upper

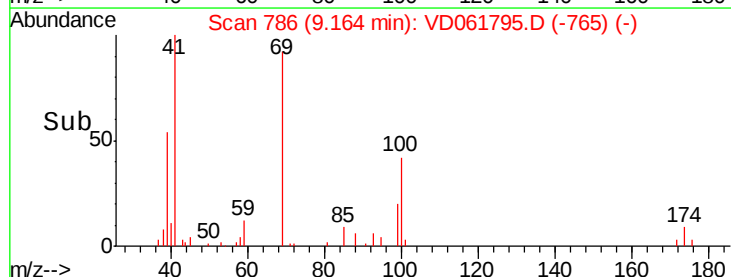
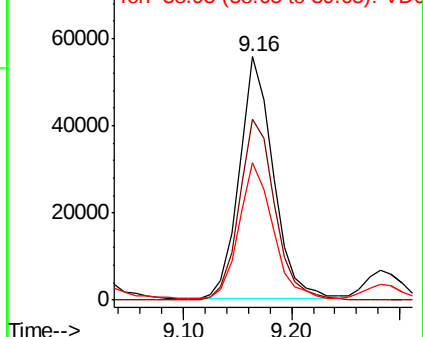
41 100

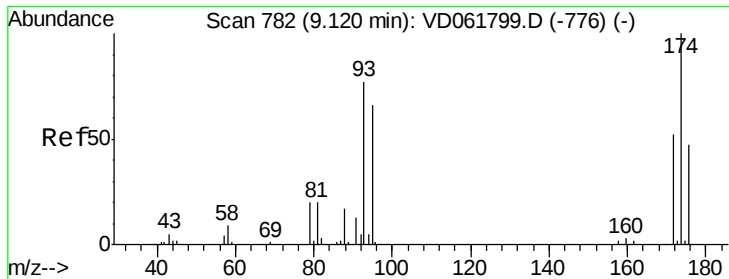
69 74.3 64.2 96.2

39 56.6 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

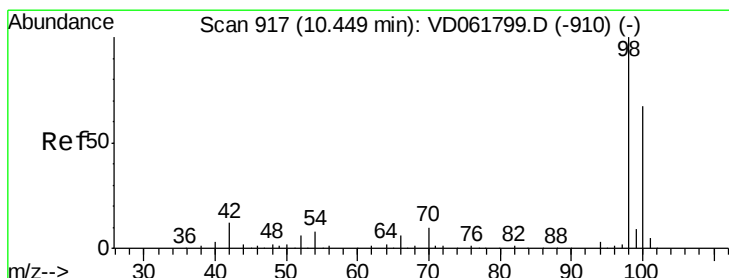
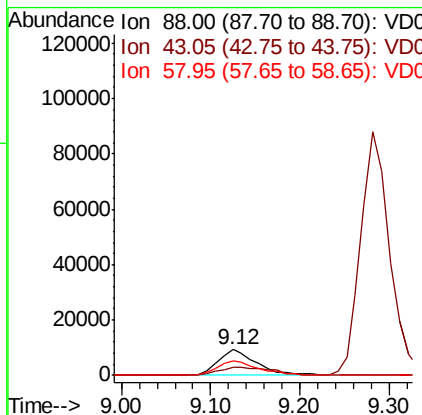
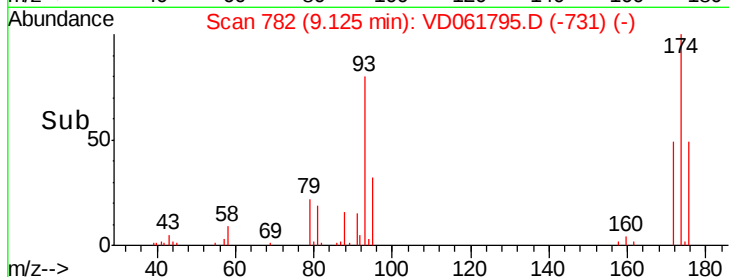
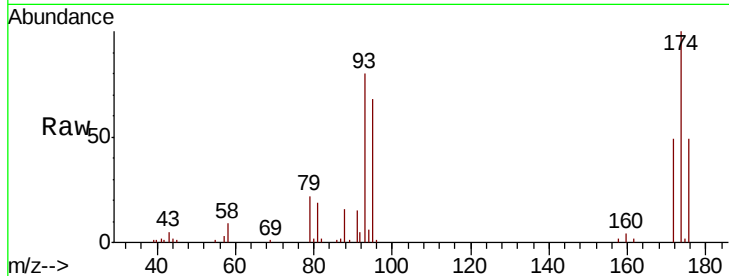




#49
1,4-Dioxane
Concen: 873.061 ug/l
RT: 9.12 min Scan# 782
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

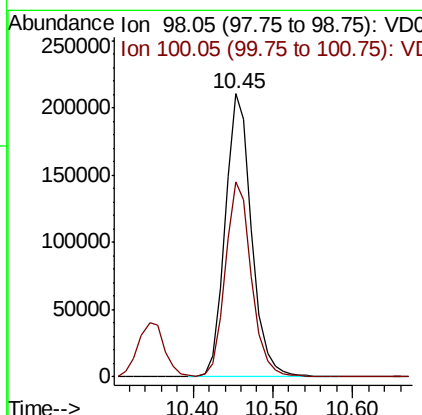
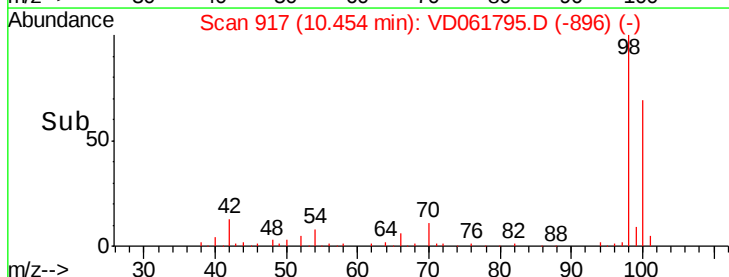
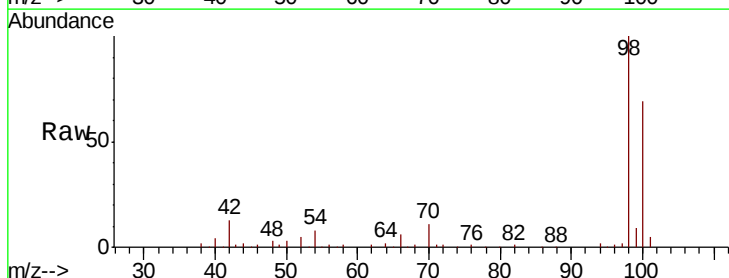
Instrument :
MSVOA_D
ClientSampled :

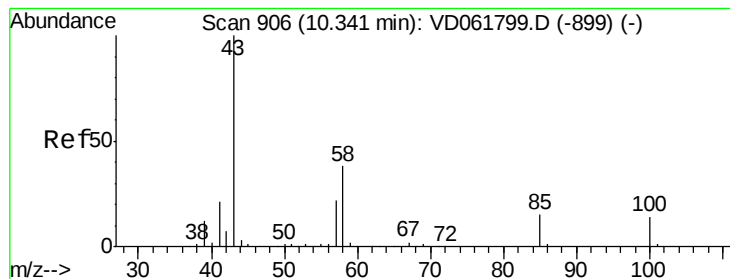
Tot Ion: 88 Resp: 28155
Ion Ratio Lower Upper
88 100
43 29.8 23.4 35.0
58 58.1 44.0 66.0



#50
Toluene-d8
Concen: 873.061 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 98 Resp: 488830
Ion Ratio Lower Upper
98 100
100 68.9 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 221.062 ug/l

RT: 10.35 min Scan# 906

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

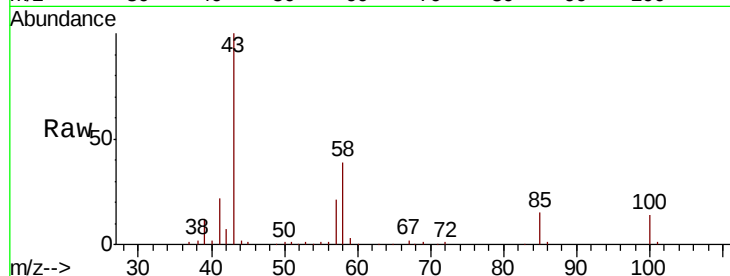
ClientSampleId :

Tot Ion: 43 Resp: 678553

Ion Ratio Lower Upper

43 100

58 39.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.35

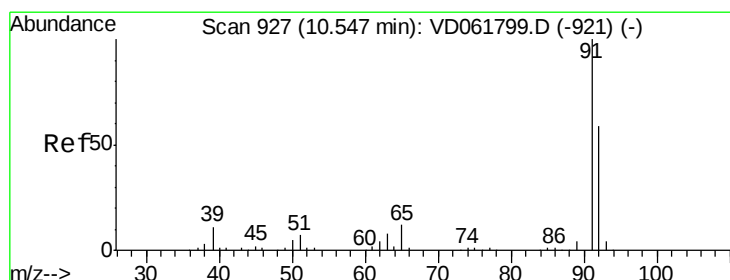
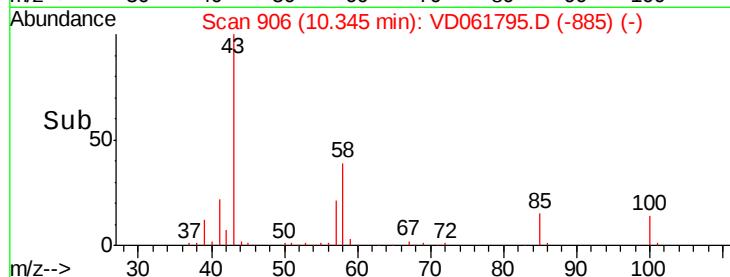
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 44.270 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD061795.D

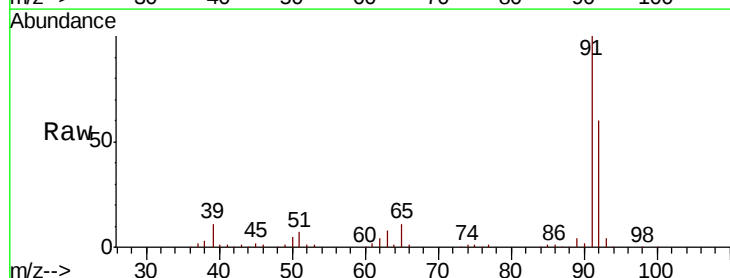
Acq: 15 Apr 2019 11:36

Tgt Ion: 92 Resp: 567610

Ion Ratio Lower Upper

92 100

91 167.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

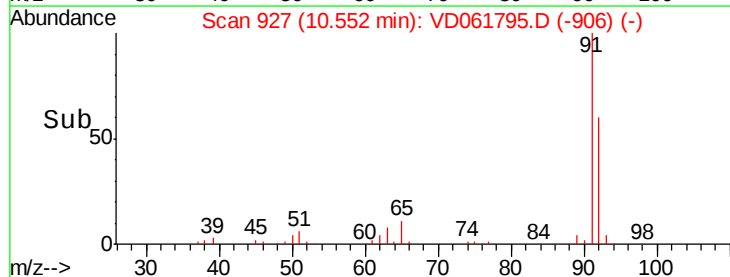
300000

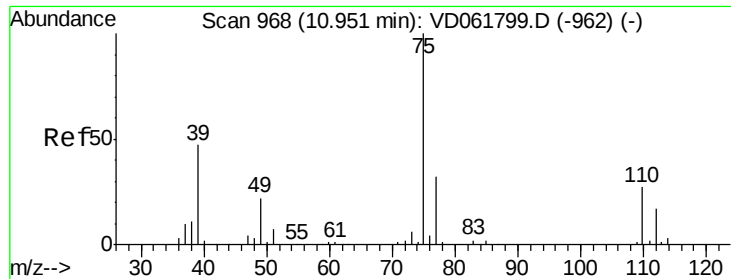
200000

100000

0

Time--> 10.40 10.50 10.60 10.70

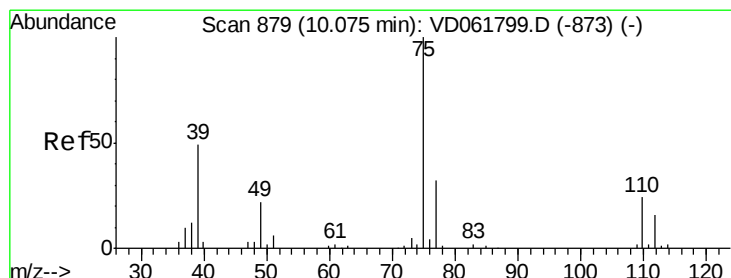
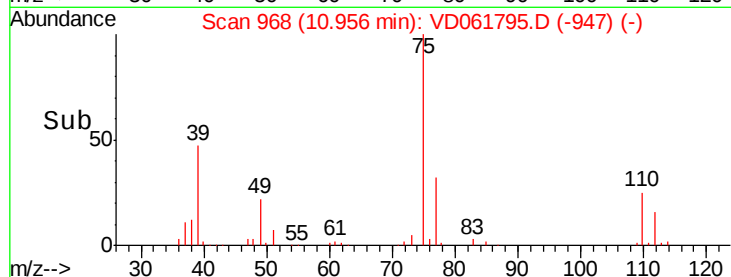
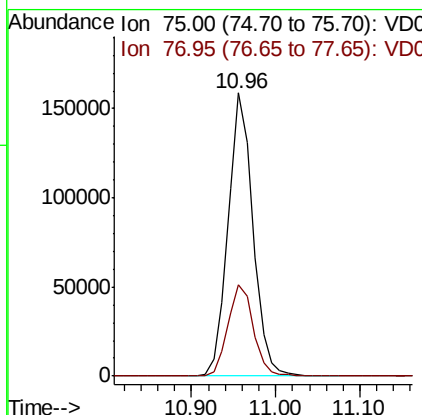
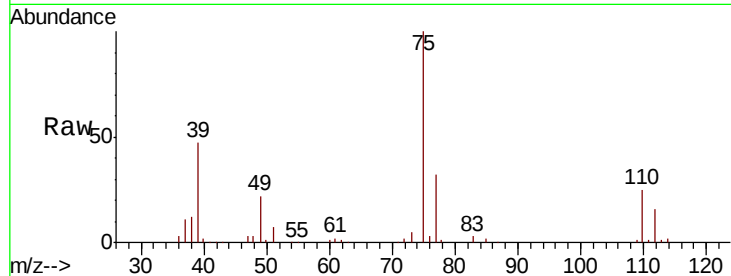




#53
t-1,3-Dichloropropene
Concen: 42.269 ug/l
RT: 10.96 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

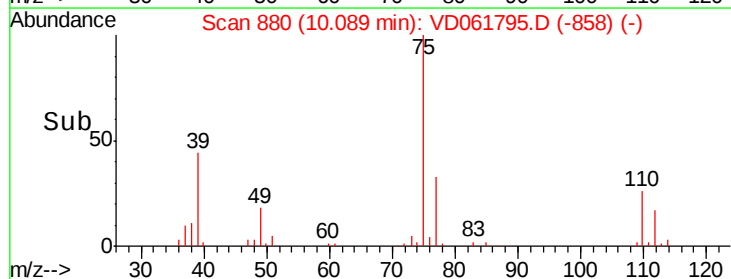
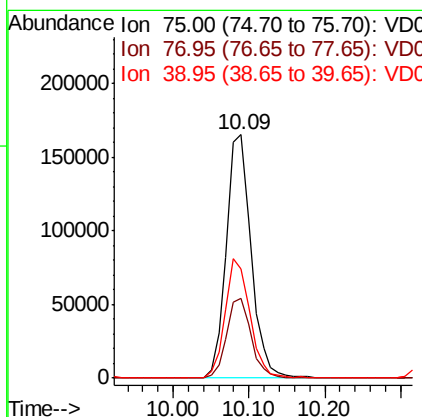
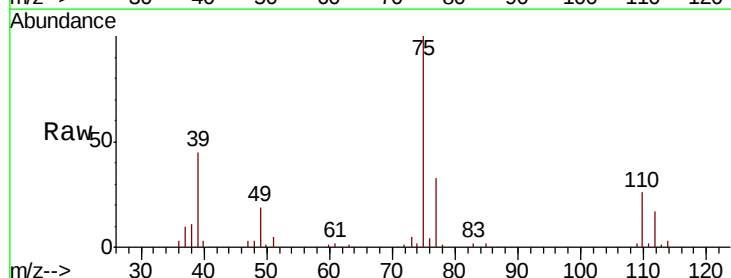
Instrument :
MSVOA_D
ClientSampleId :

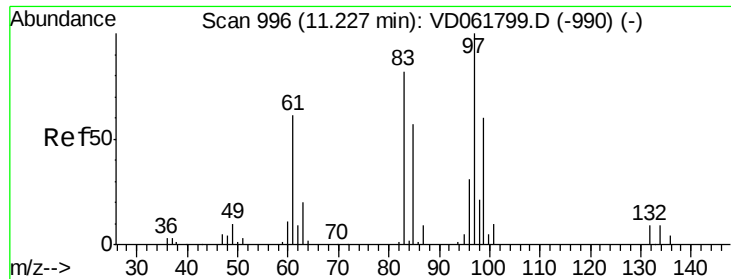
Tot Ion: 75 Resp: 326288
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 41.342 ug/l
RT: 10.09 min Scan# 880
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 75 Resp: 374613
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
39 44.8 39.4 59.2

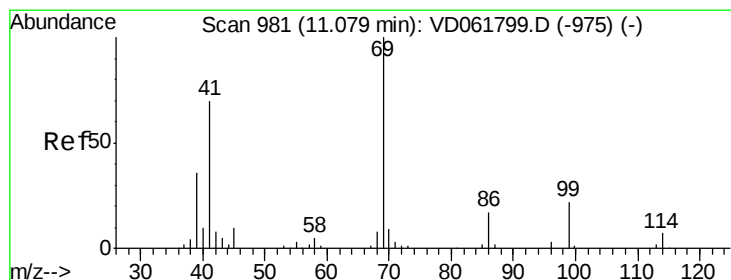
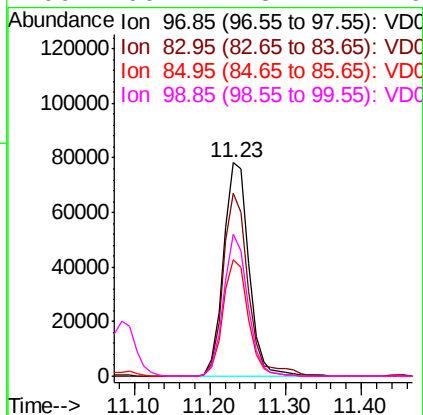
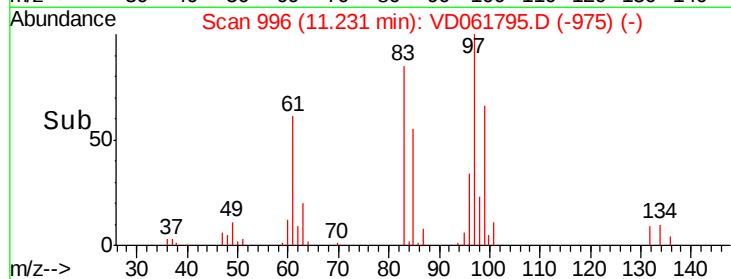
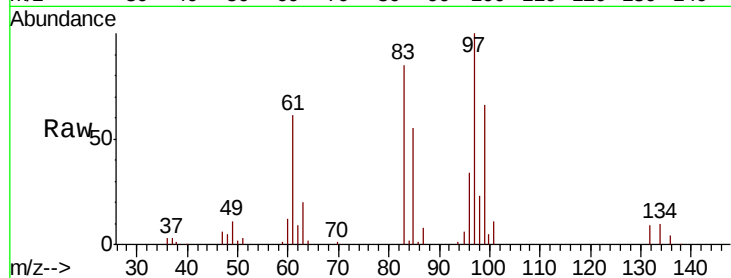




#55
1,1,2-Trichloroethane
Concen: 42.126 ug/l
RT: 11.23 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

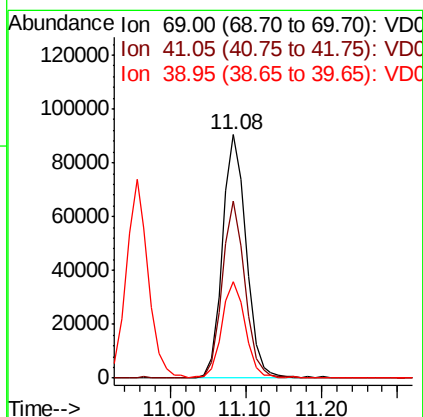
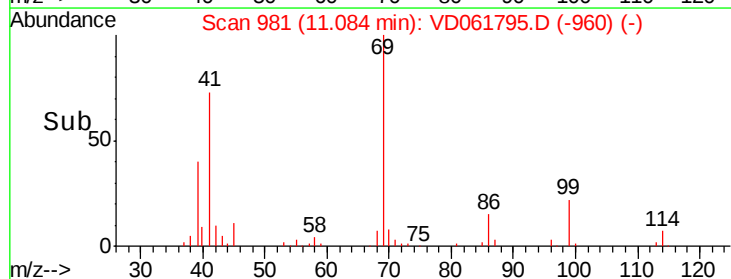
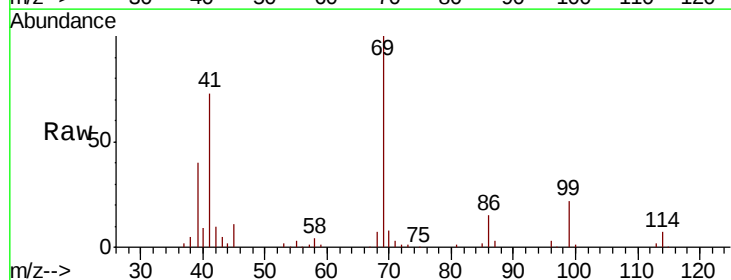
Instrument :
MSVOA_D
ClientSampleId :

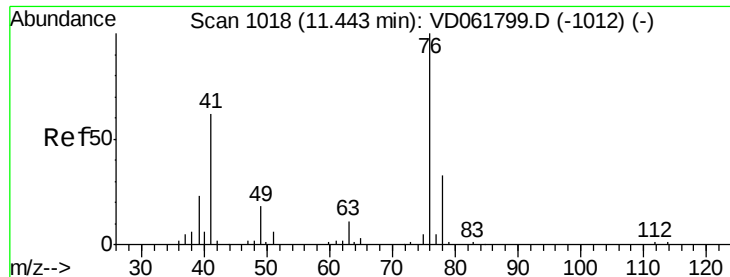
Tot Ion:	97	Resp:	182000
Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.7	98.5
85	54.7	45.6	68.4
99	66.4	48.4	72.6



#56
Ethyl methacrylate
Concen: 41.305 ug/l
RT: 11.08 min Scan# 981
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion:	69	Resp:	195861
Ion	Ratio	Lower	Upper
69	100		
41	72.8	56.3	84.5
39	39.6	29.4	44.2

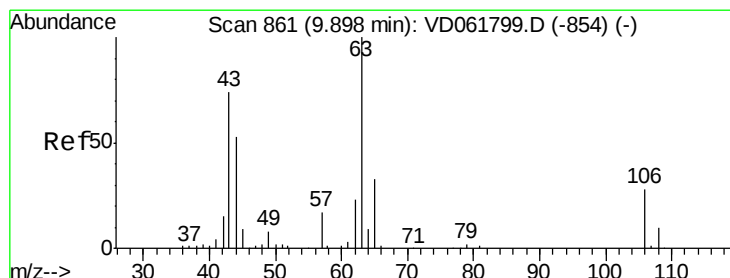
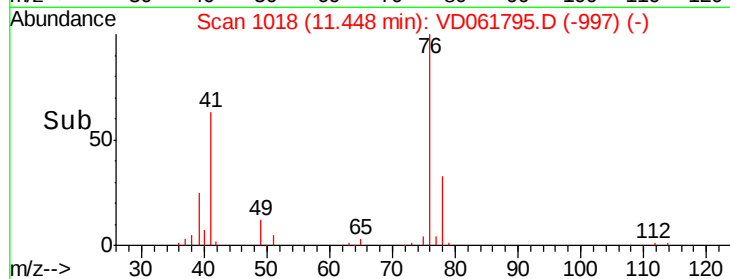
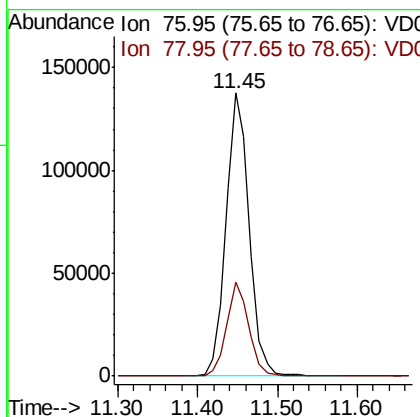
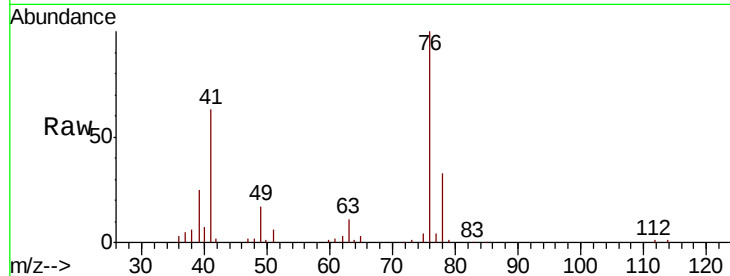




#57
 1,3-Dichloropropane
 Concen: 43.295 ug/l
 RT: 11.45 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

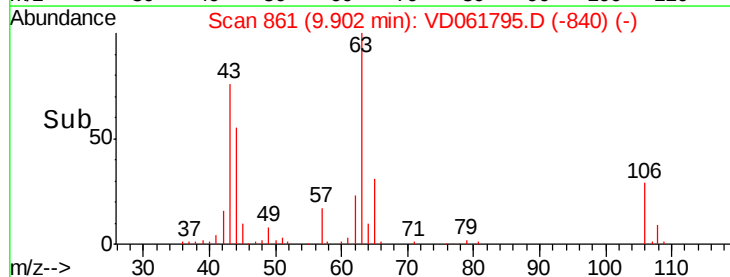
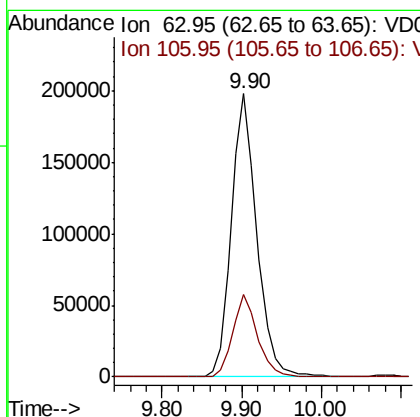
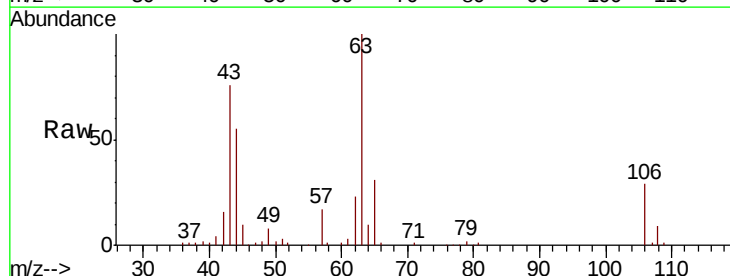
Instrument :
 MSVOA_D
 ClientSampleId :

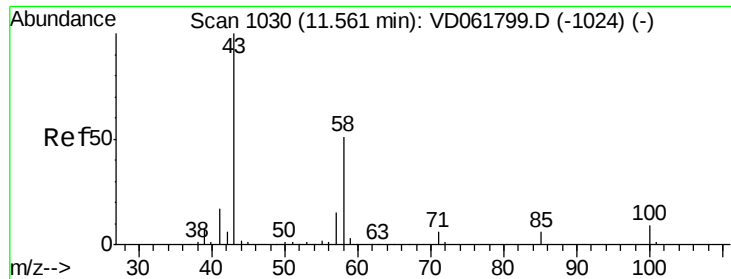
Tot Ion: 76 Resp: 281206
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 195.217 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 63 Resp: 440292
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.6 34.0

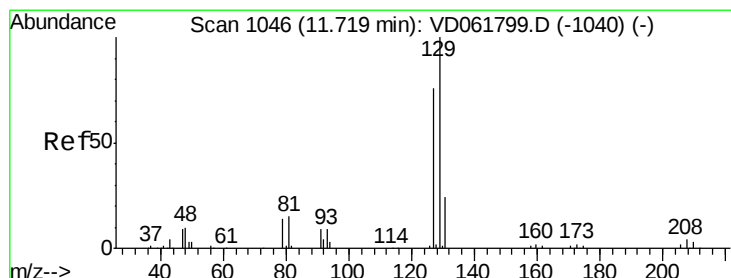
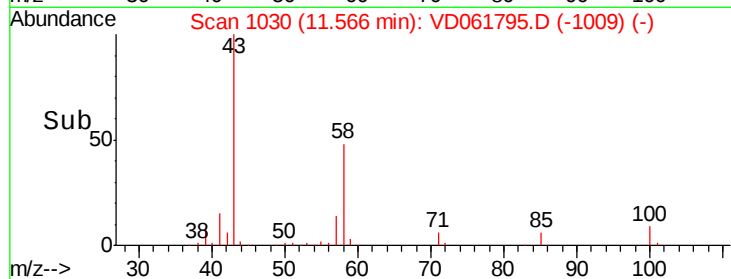
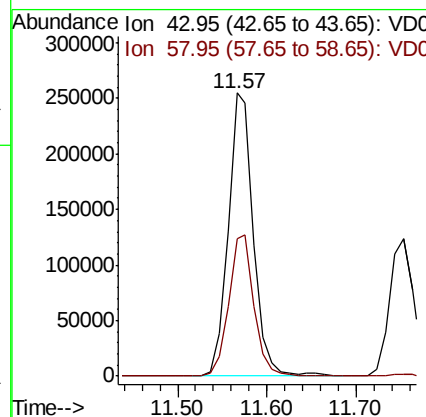
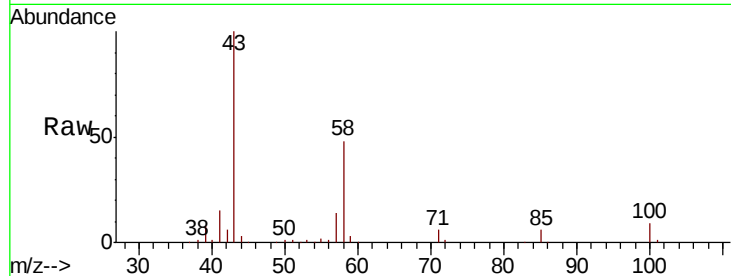




#59
2-Hexanone
Concen: 221.976 ug/l
RT: 11.57 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

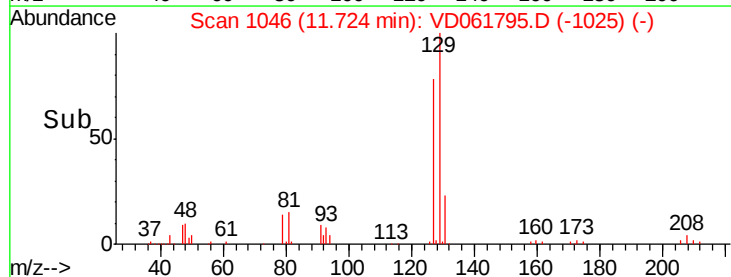
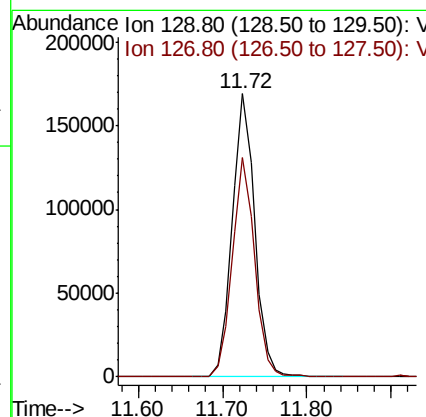
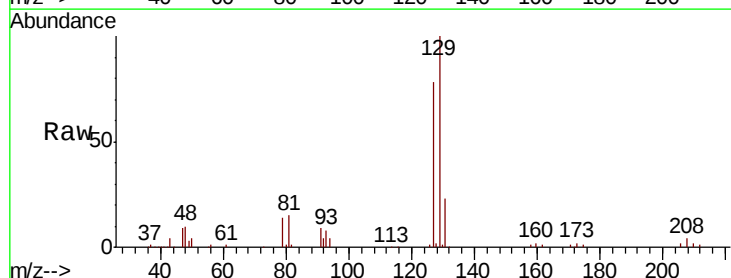
Instrument :
MSVOA_D
ClientSampled :

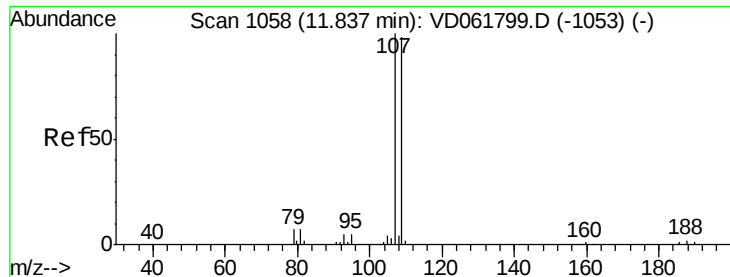
Tot Ion: 43 Resp: 506062
Ion Ratio Lower Upper
43 100
58 48.5 25.4 76.4



#60
Dibromochloromethane
Concen: 44.433 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 129 Resp: 314106
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9

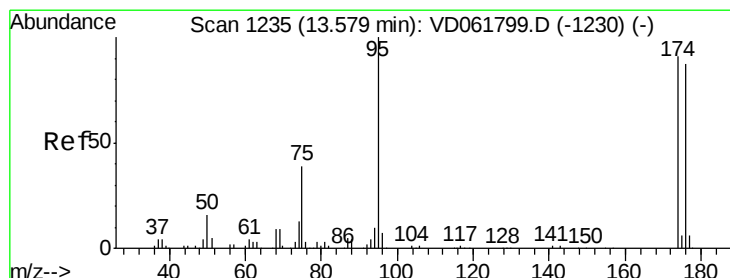
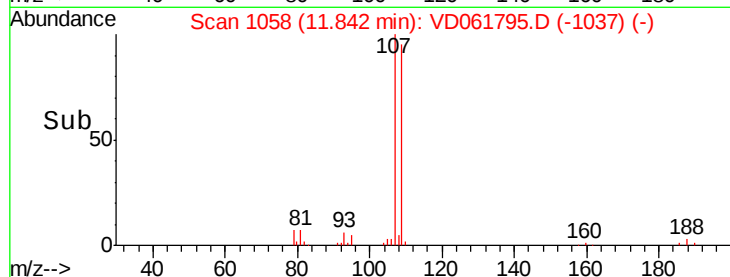
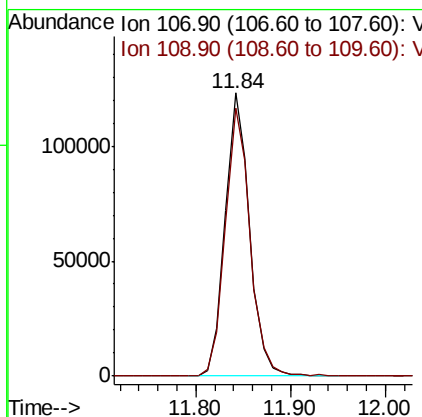
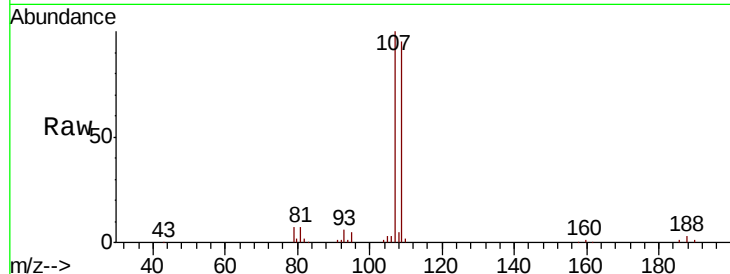




#61
 1,2-Dibromoethane
 Concen: 41.238 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

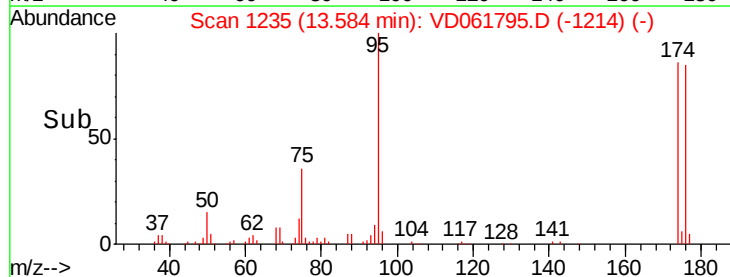
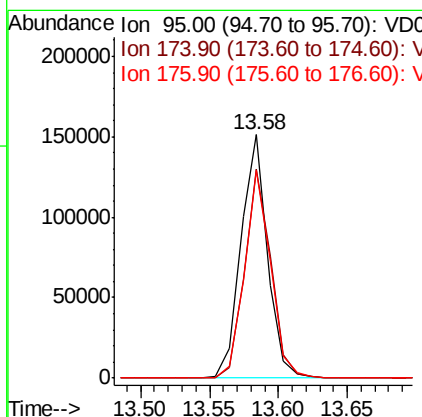
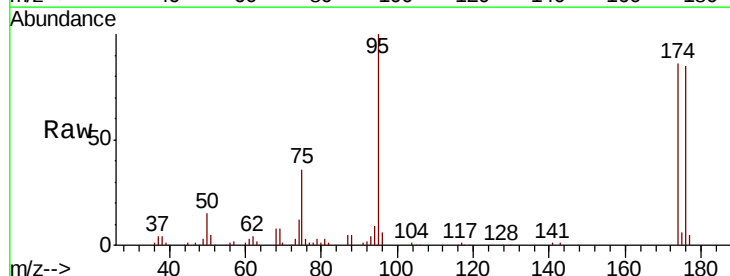
Instrument :
 MSVOA_D
 ClientSampled :

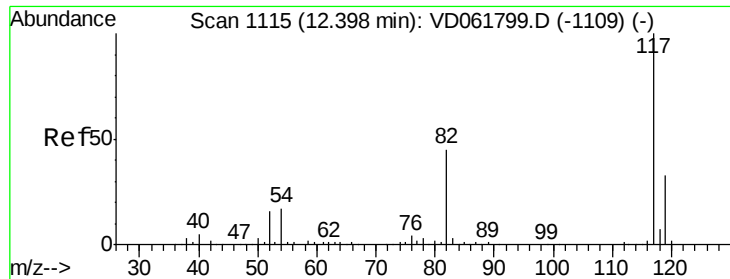
Tot Ion:107 Resp: 219070
 Ion Ratio Lower Upper
 107 100
 109 94.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 41.238 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 95 Resp: 202468
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 181.8
 176 85.3 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

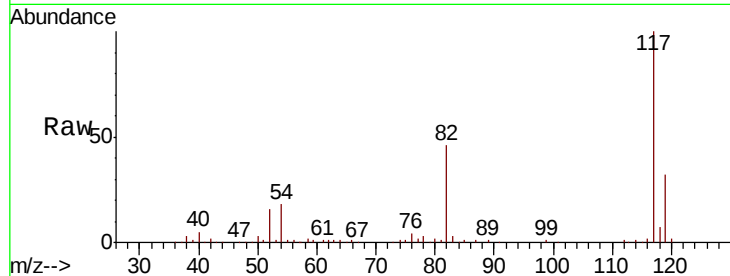
Tot Ion:117 Resp: 794384

Ion Ratio Lower Upper

117 100

82 46.0 36.2 54.2

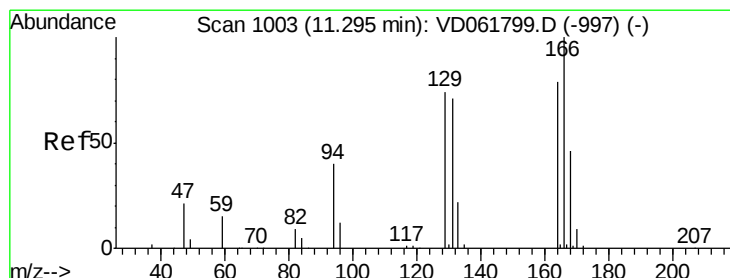
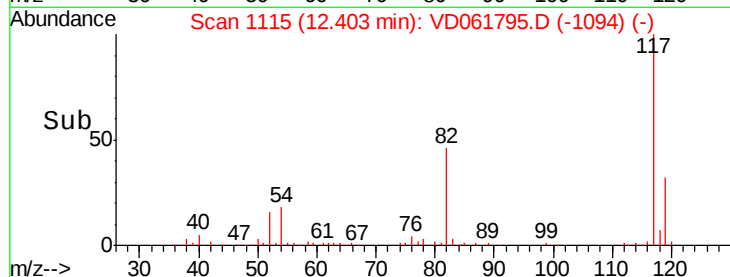
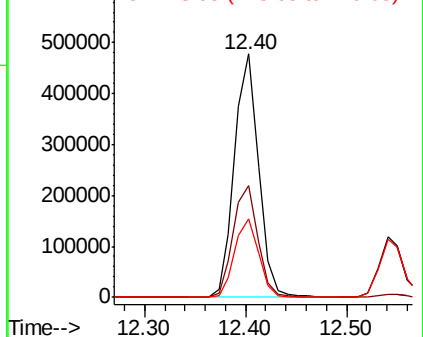
119 32.4 26.2 39.4



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: 45.180 ug/l

RT: 11.30 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:164 Resp: 269162

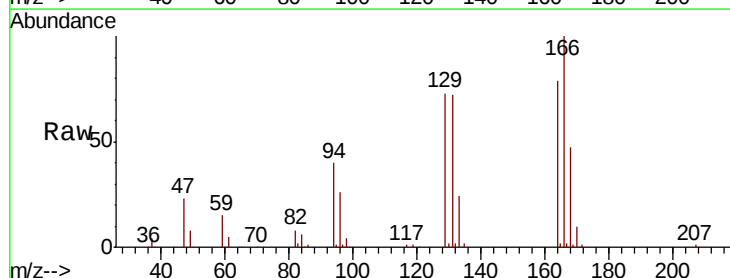
Ion Ratio Lower Upper

164 100

166 126.0 101.5 152.3

129 91.5 74.6 112.0

131 91.3 72.6 108.8

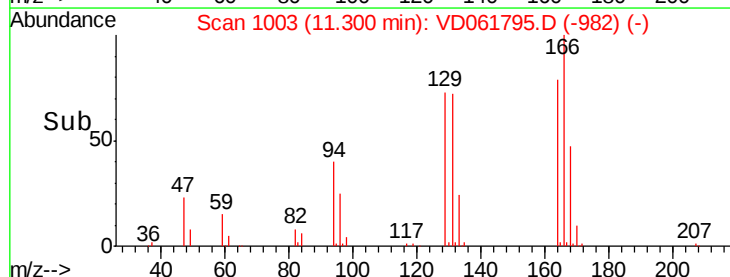
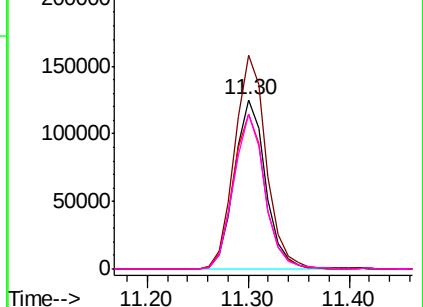


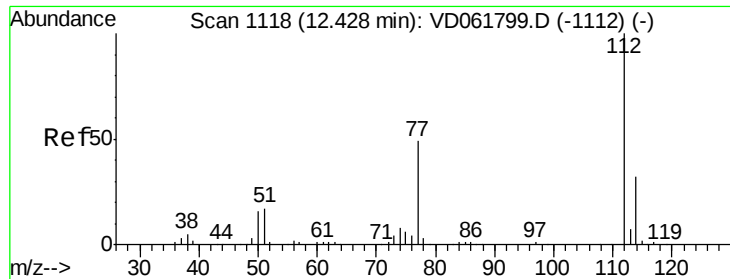
Abundance Ion 163.85 (163.55 to 164.55): V

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: 45.695 ug/l

RT: 12.43 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

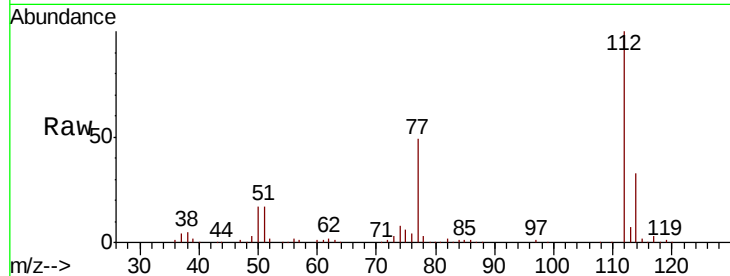
ClientSampled :

Tot Ion:112 Resp: 676012

Ion Ratio Lower Upper

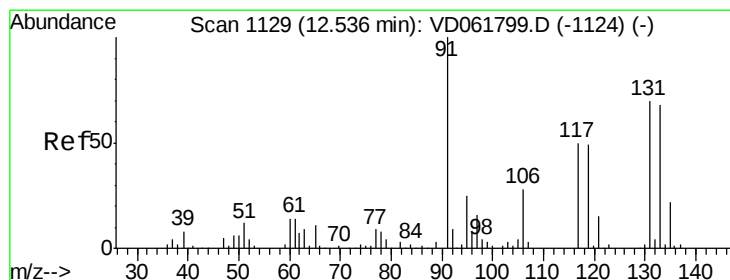
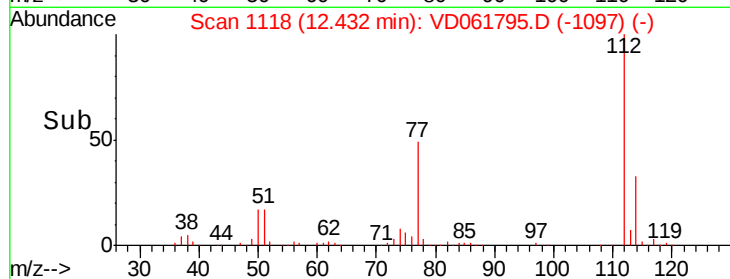
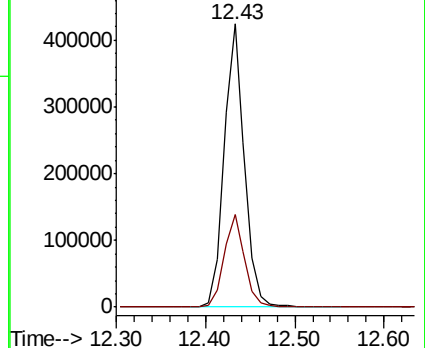
112 100

114 32.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.118 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

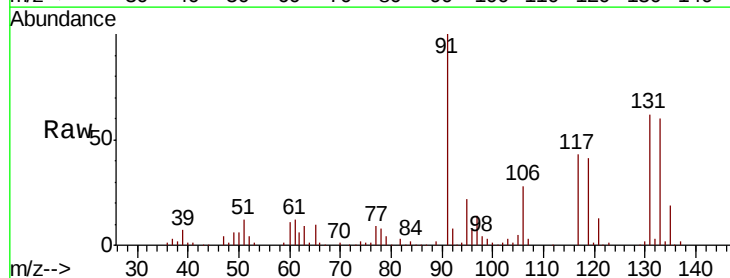
Tgt Ion:131 Resp: 292118

Ion Ratio Lower Upper

131 100

133 96.8 48.6 145.8

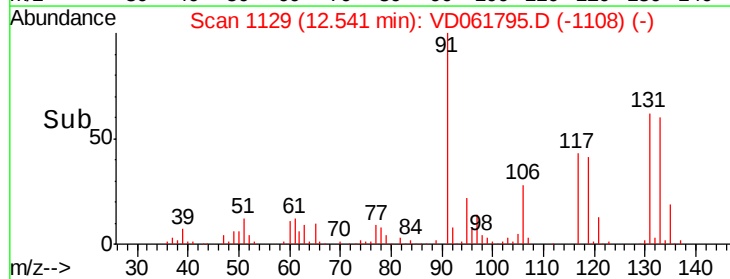
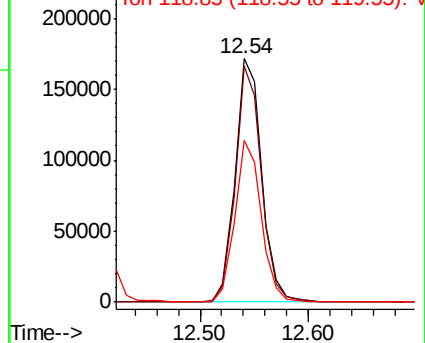
119 66.4 34.7 104.1

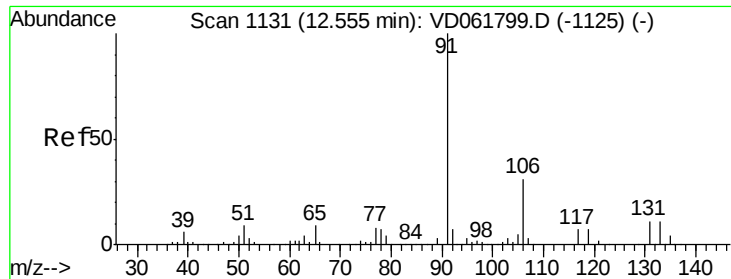


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

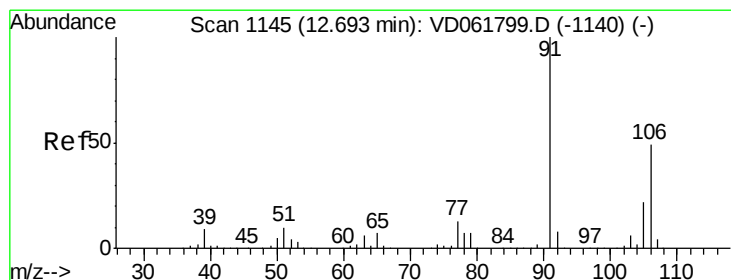
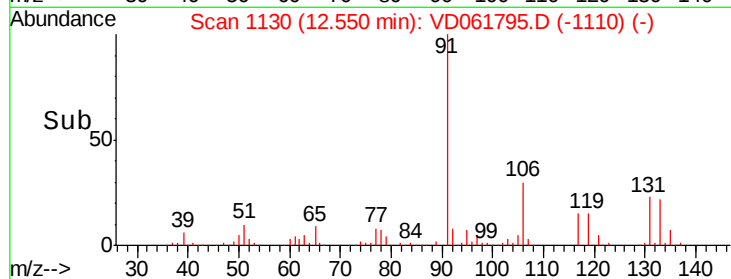
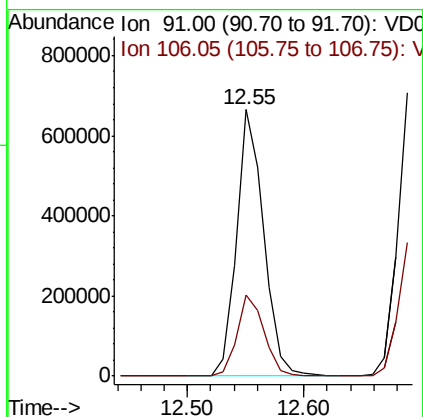
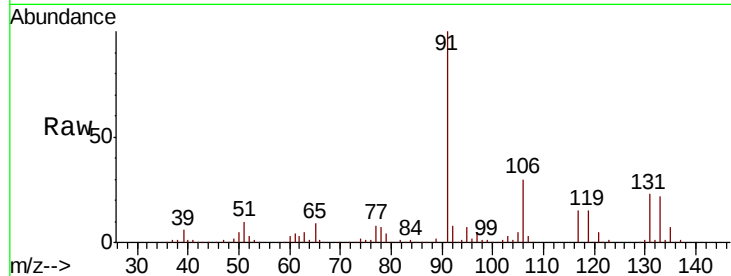




#67
Ethyl Benzene
Concen: 44.909 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

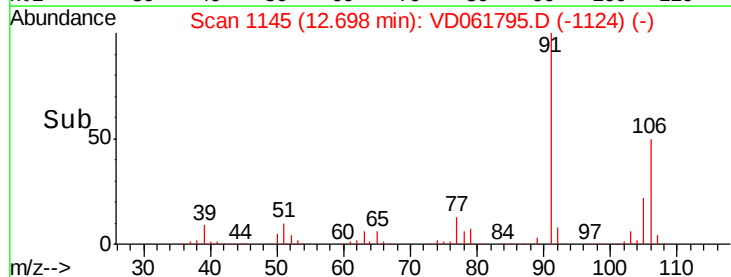
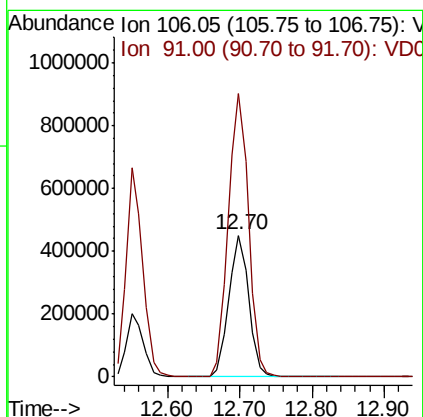
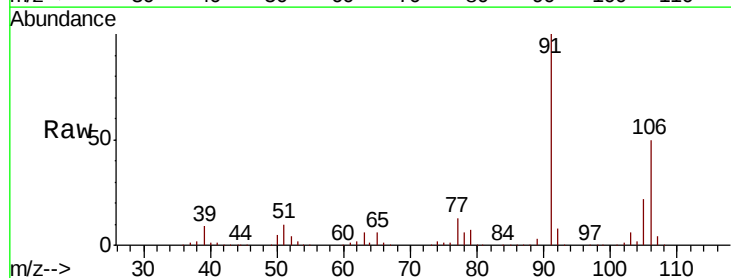
Instrument :
MSVOA_D
ClientSampled :

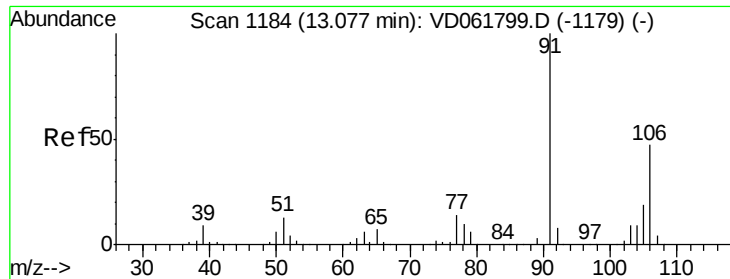
Tot Ion: 91 Resp: 1063976
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1



#68
m/p-Xylenes
Concen: 97.504 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 106 Resp: 867727
Ion Ratio Lower Upper
106 100
91 199.9 164.0 246.0

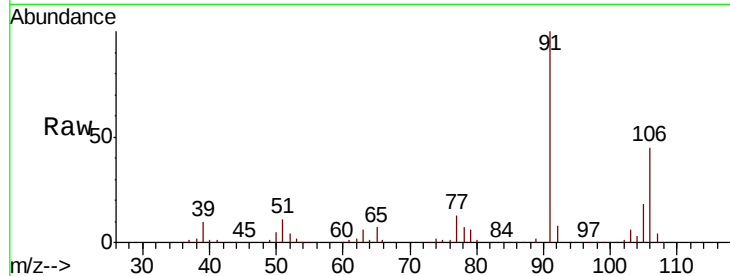




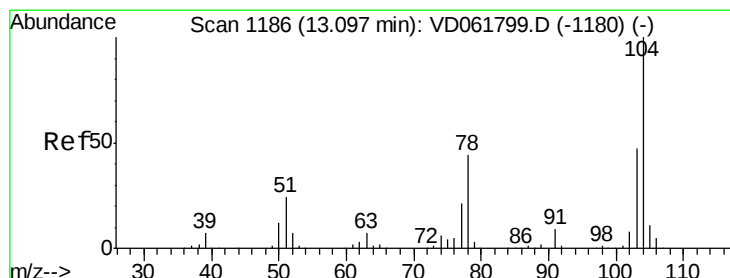
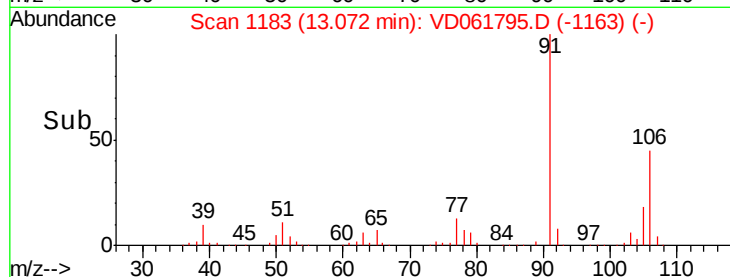
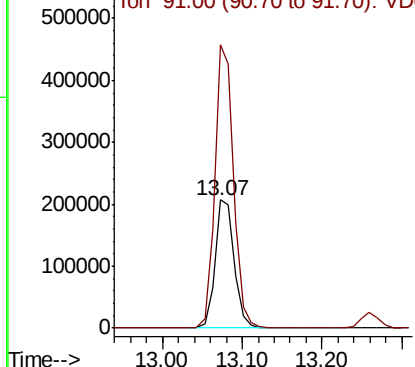
#69
o-Xylene
Concen: 41.592 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 347905
Ion Ratio Lower Upper
106 100
91 221.2 106.7 319.9

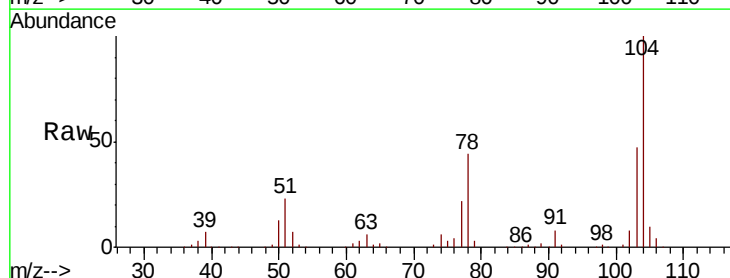


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

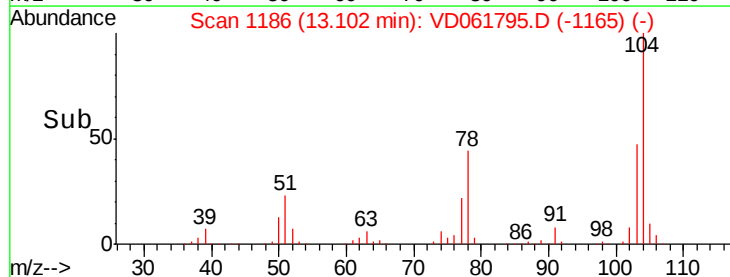
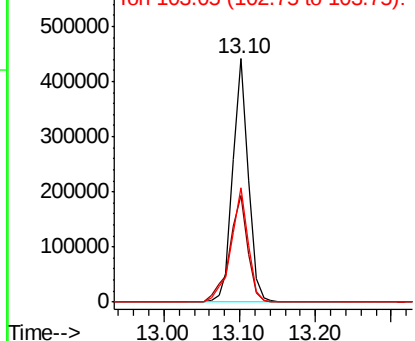


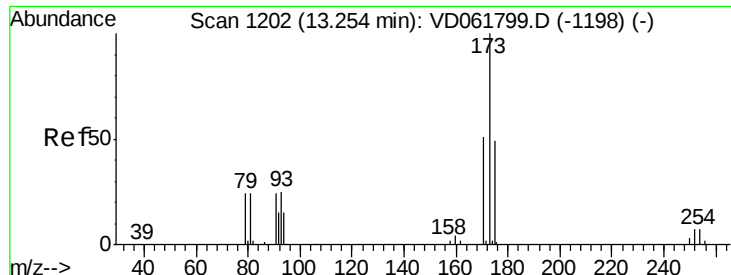
#70
Styrene
Concen: 43.021 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion:104 Resp: 619267
Ion Ratio Lower Upper
104 100
78 43.9 35.4 53.2
103 46.8 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: 45.781 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampled :

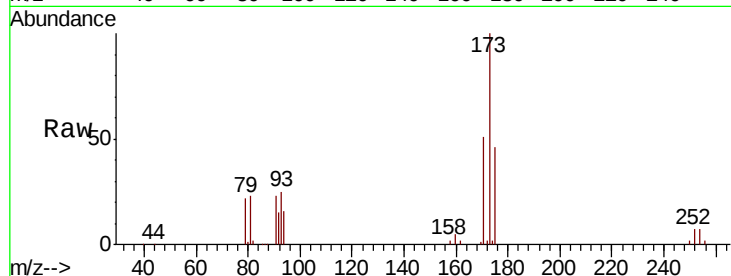
Tot Ion:173 Resp: 168475

Ion Ratio Lower Upper

173 100

175 45.7 24.4 73.4

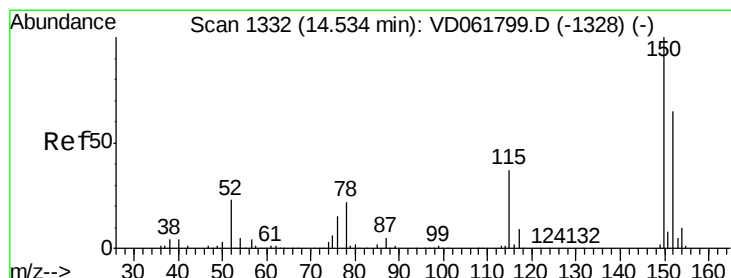
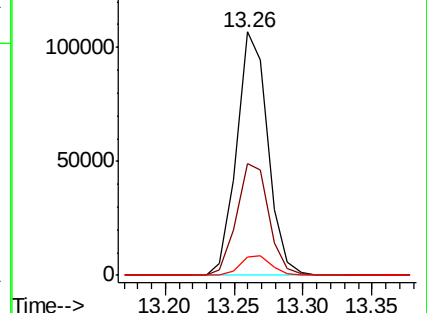
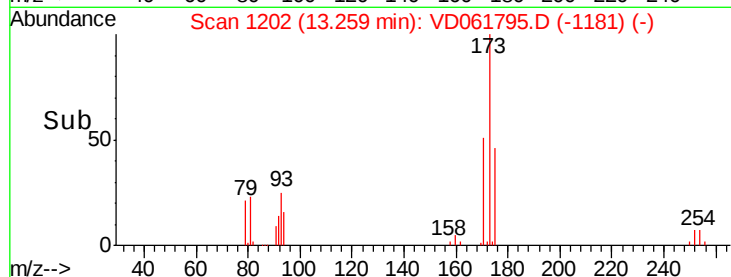
254 7.4 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

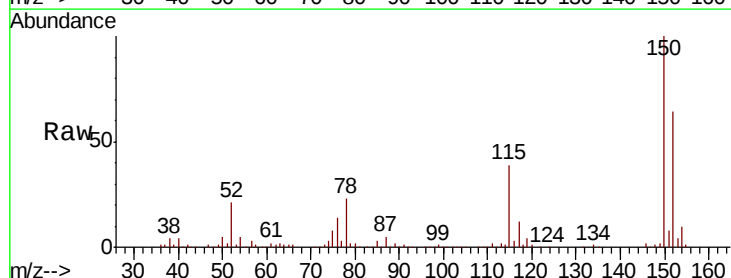
Tgt Ion:152 Resp: 377224

Ion Ratio Lower Upper

152 100

115 60.2 30.9 92.7

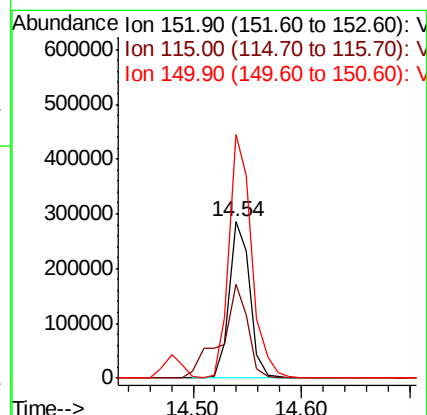
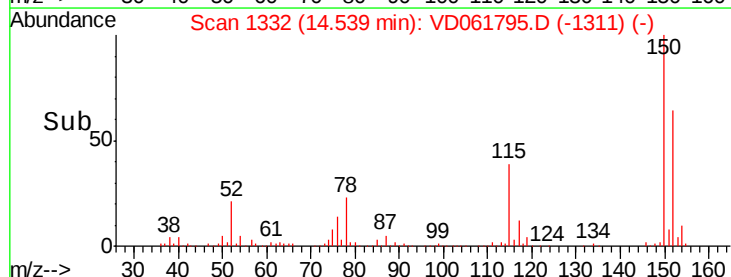
150 155.7 0.0 314.8

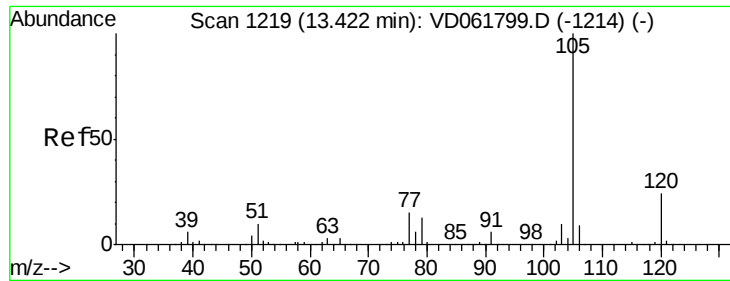


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.098 ug/l

RT: 13.43 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

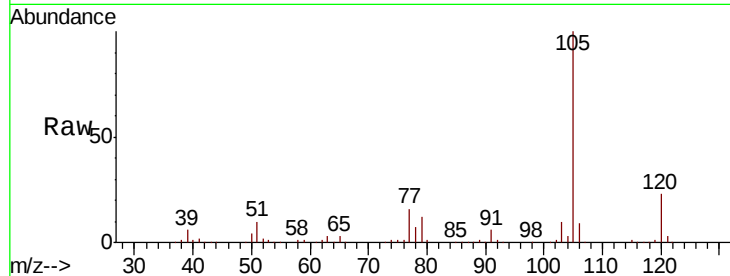
ClientSampleId :

Tot Ion:105 Resp: 1078825

Ion Ratio Lower Upper

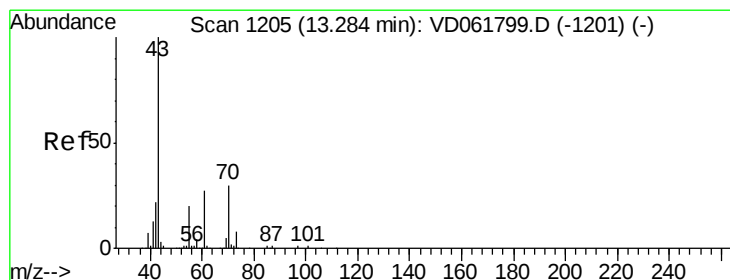
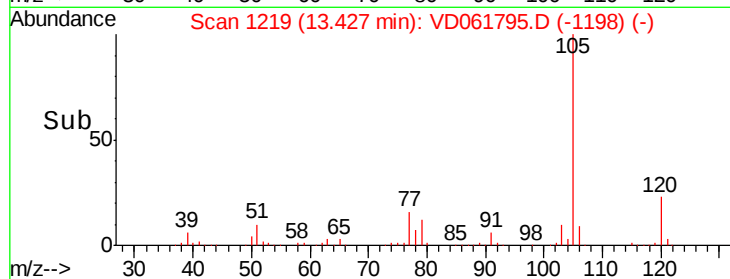
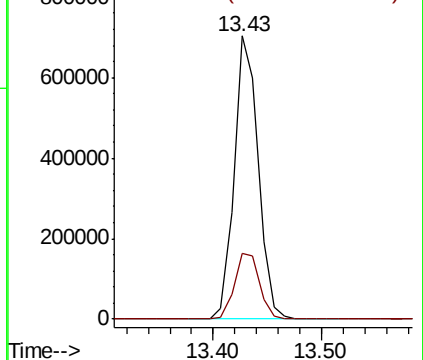
105 100

120 23.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 42.353 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion: 43 Resp: 278624

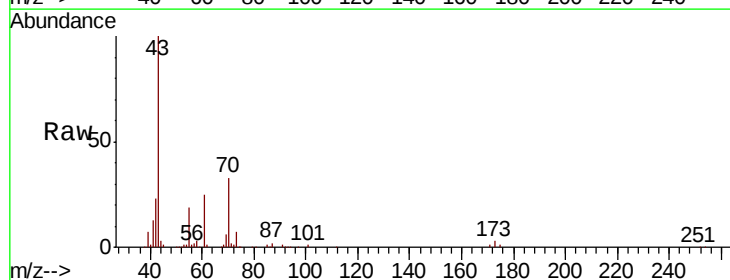
Ion Ratio Lower Upper

43 100

70 32.6 24.2 36.4

55 19.1 16.0 24.0

61 25.4 21.6 32.4

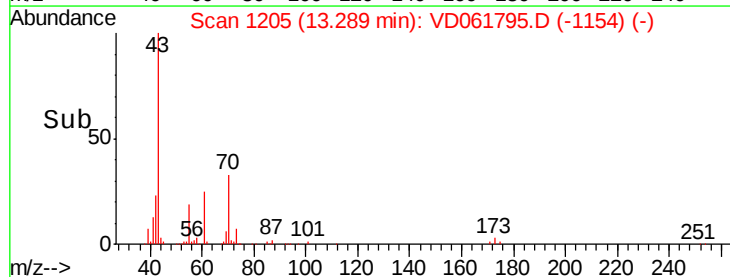
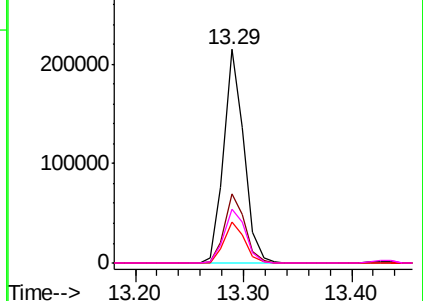


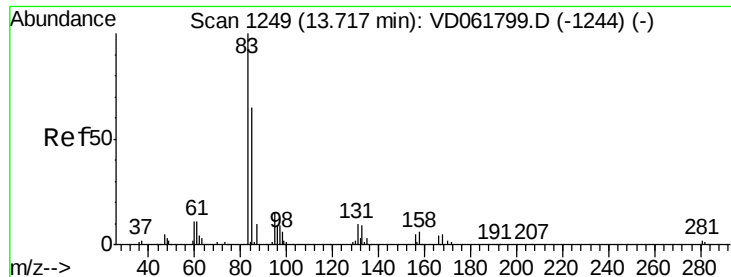
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 38.605 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

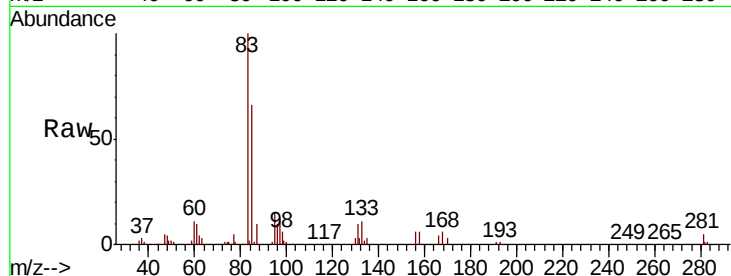
Tot Ion: 83 Resp: 186687

Ion Ratio Lower Upper

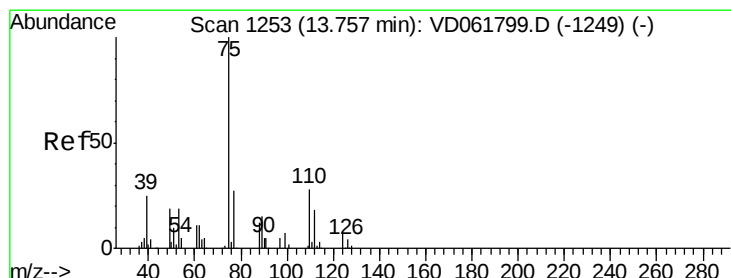
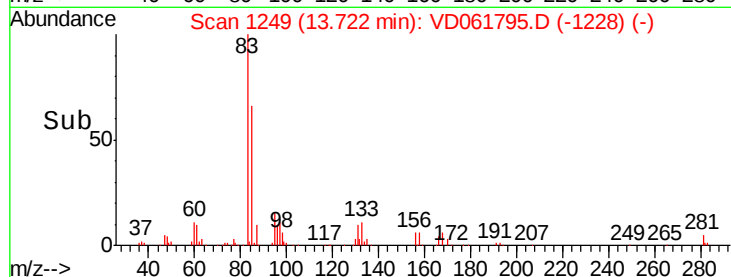
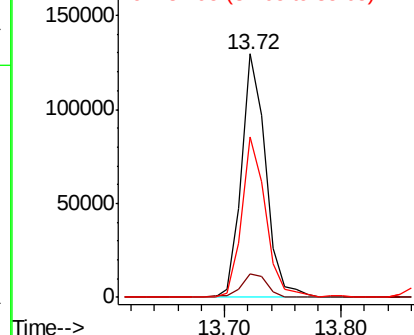
83 100

131 9.5 5.0 14.9

85 65.8 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 43.230 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061795.D

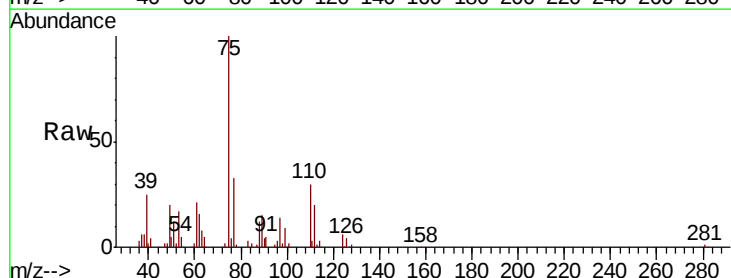
Acq: 15 Apr 2019 11:36

Tgt Ion: 75 Resp: 214160

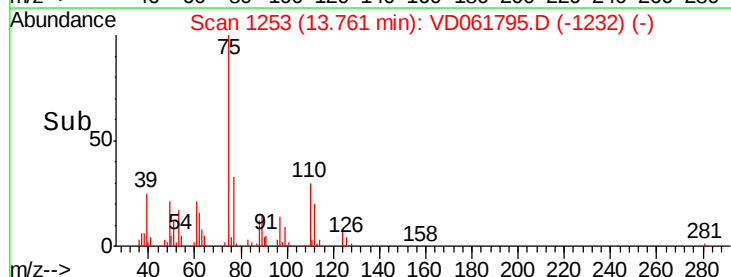
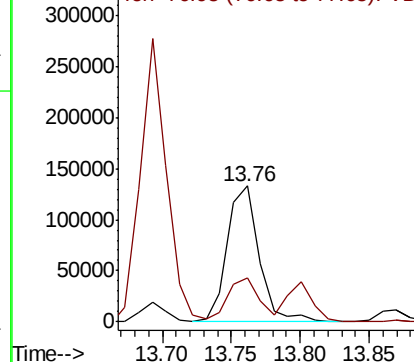
Ion Ratio Lower Upper

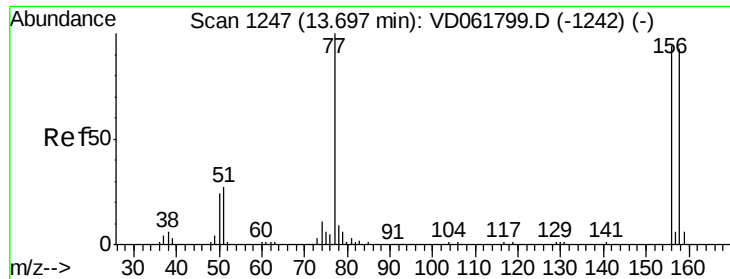
75 100

77 32.8 16.4 49.4



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





#77

Bromobenzene

Concen: 42.842 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

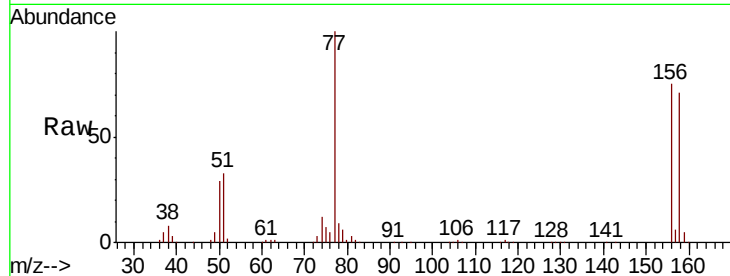
Tot Ion:156 Resp: 297722

Ion Ratio Lower Upper

156 100

77 132.8 53.1 159.4

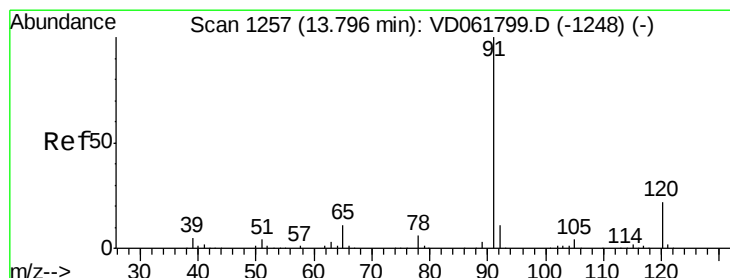
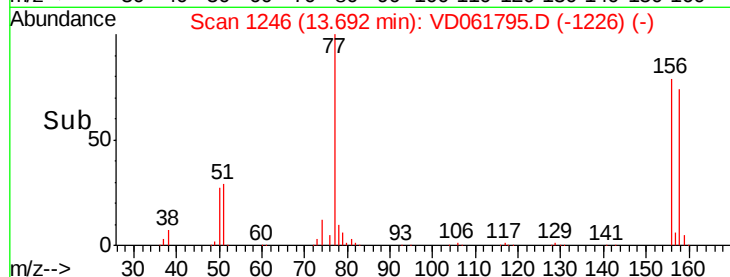
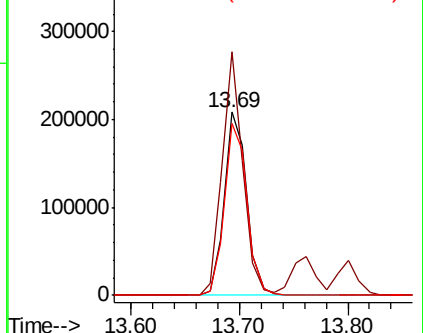
158 93.9 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.322 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VD061795.D

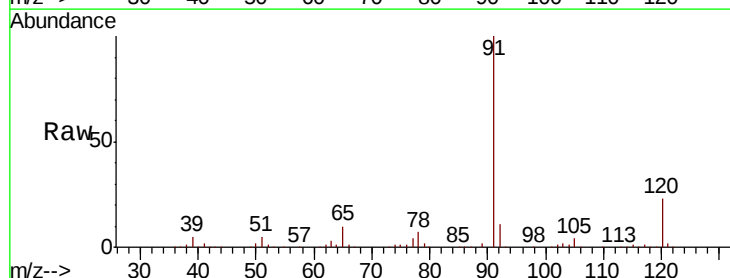
Acq: 15 Apr 2019 11:36

Tgt Ion: 91 Resp: 1365806

Ion Ratio Lower Upper

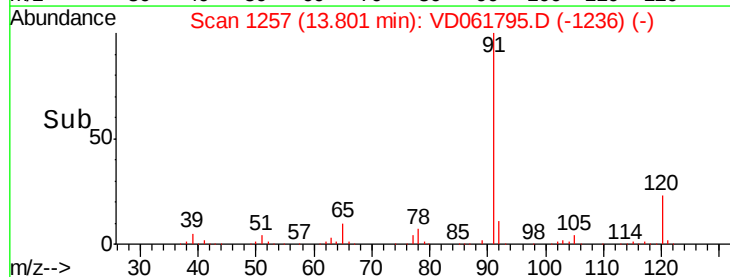
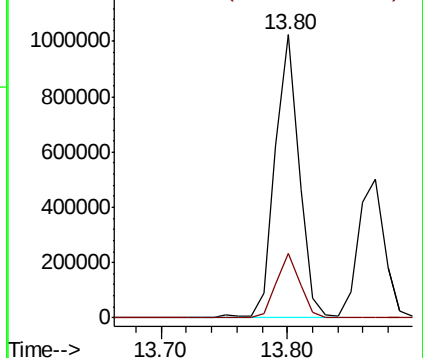
91 100

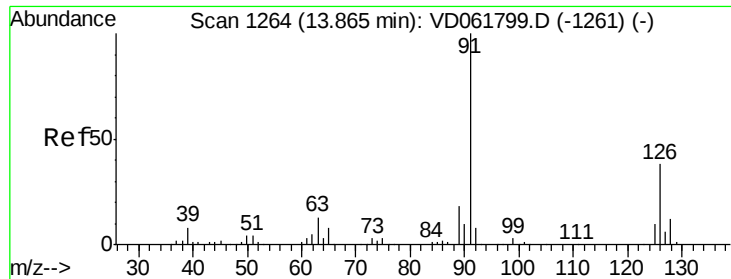
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

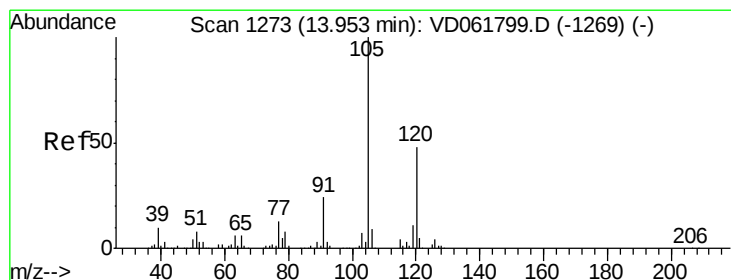
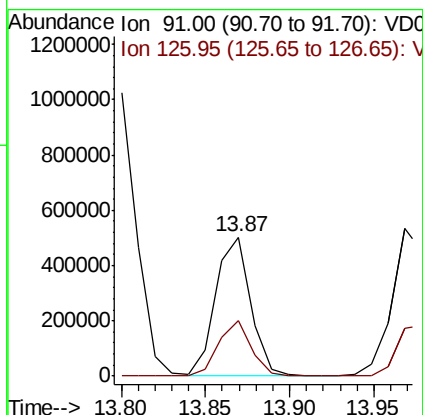
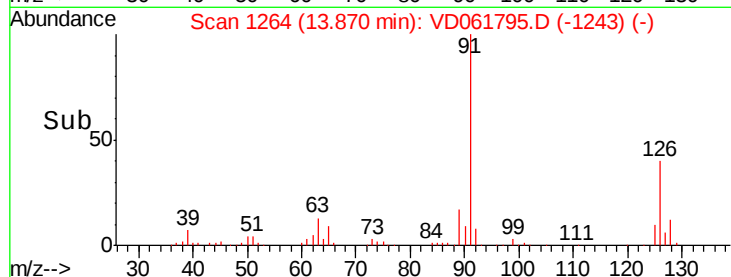
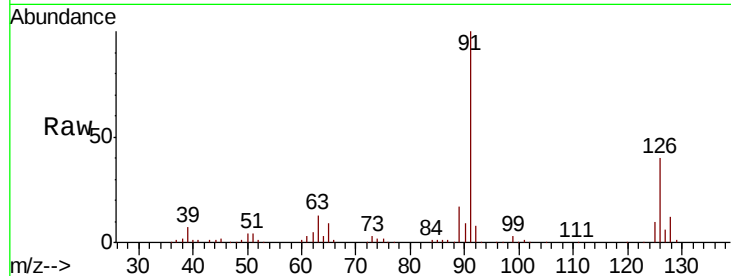




#79
 2-Chlorotoluene
 Concen: 43.920 ug/l
 RT: 13.87 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

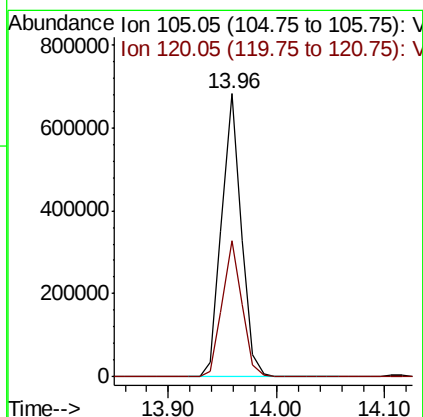
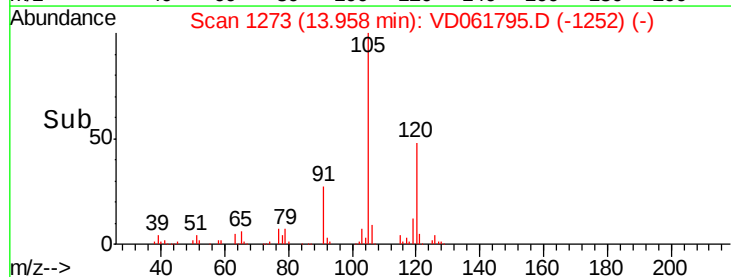
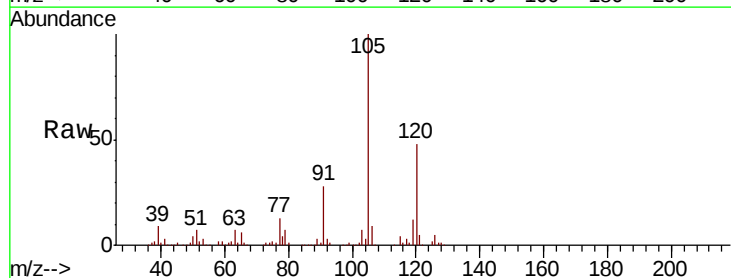
Instrument :
 MSVOA_D
 ClientSampleID :

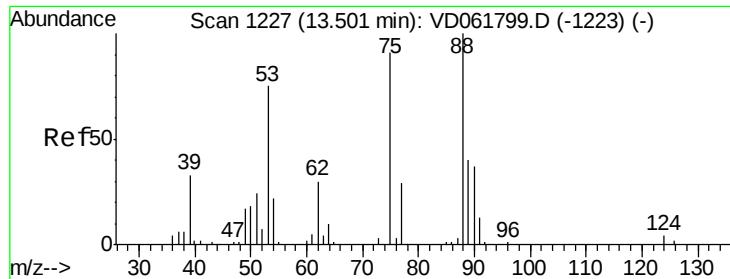
Tot Ion: 91 Resp: 725185
 Ion Ratio Lower Upper
 91 100
 126 40.0 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 44.291 ug/l
 RT: 13.96 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:105 Resp: 859749
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.0 72.0

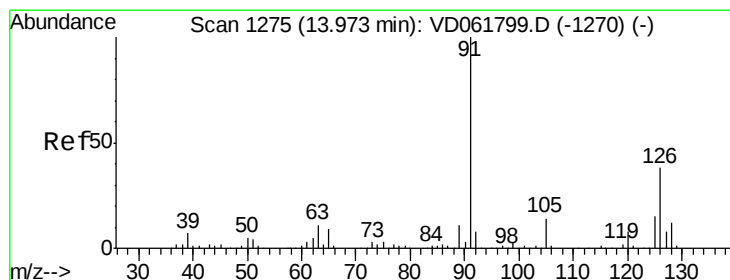
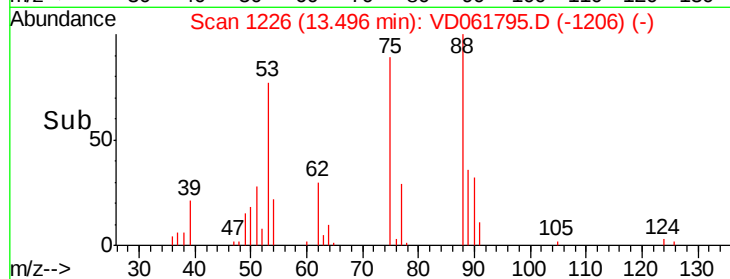
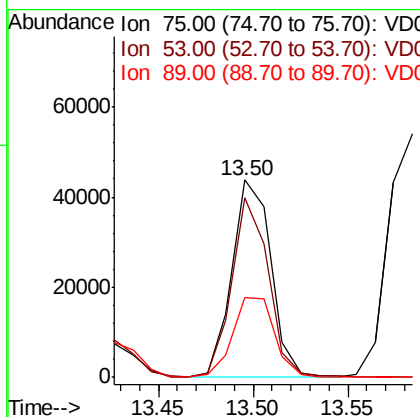
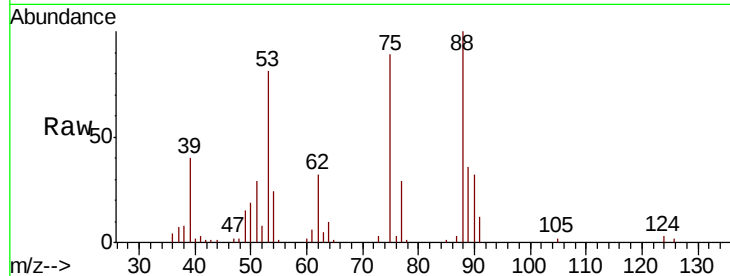




#81
trans-1,4-Dichloro-2-butene
Concen: 39.620 ug/l
RT: 13.50 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

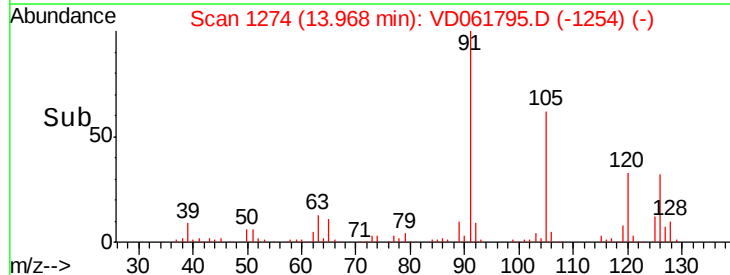
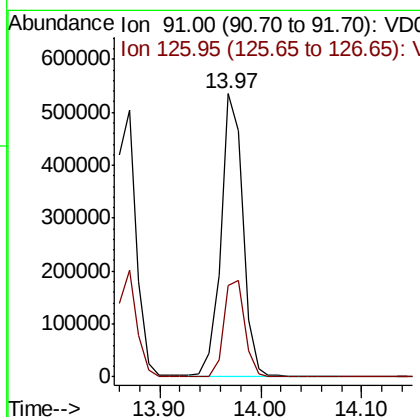
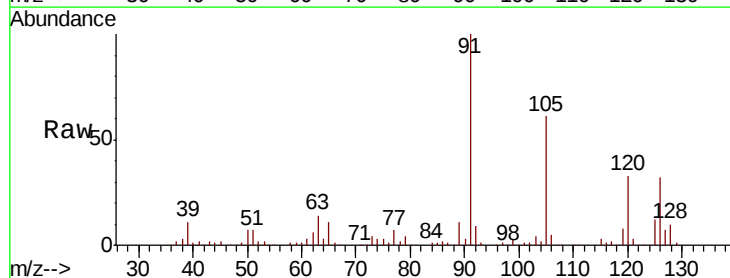
Instrument :
MSVOA_D
ClientSampleId :

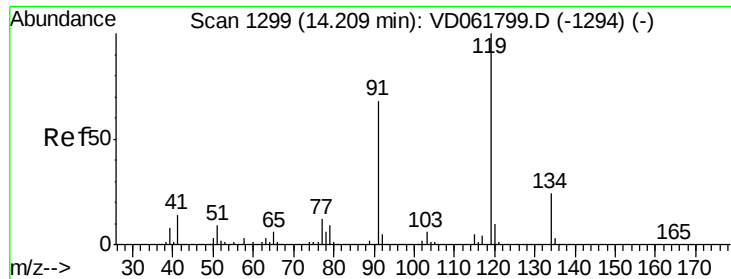
Tot Ion: 75 Resp: 62432
Ion Ratio Lower Upper
75 100
53 90.9 65.8 98.8
89 40.7 35.0 52.6



#82
4-Chlorotoluene
Concen: 42.754 ug/l
RT: 13.97 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 91 Resp: 808024
Ion Ratio Lower Upper
91 100
126 32.1 19.1 57.5

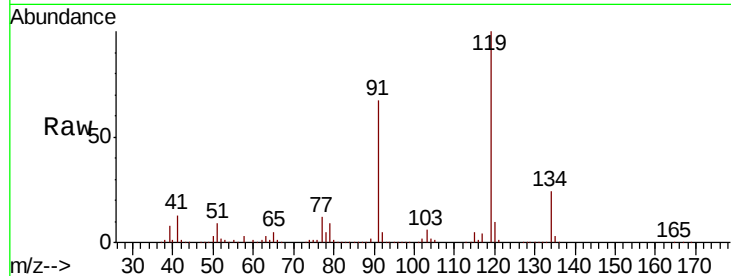




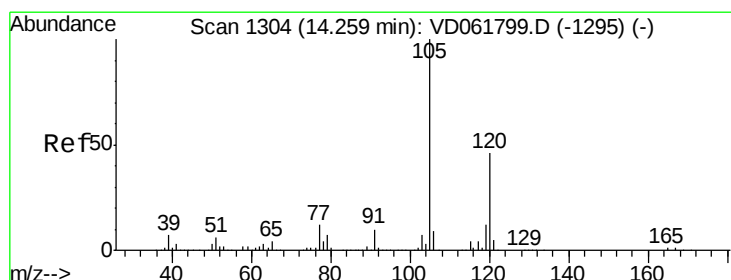
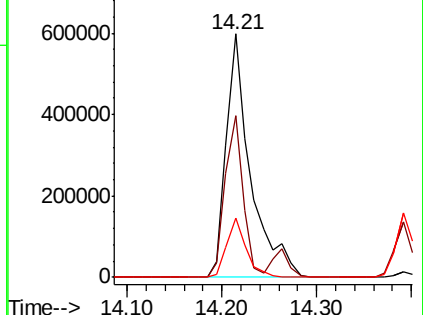
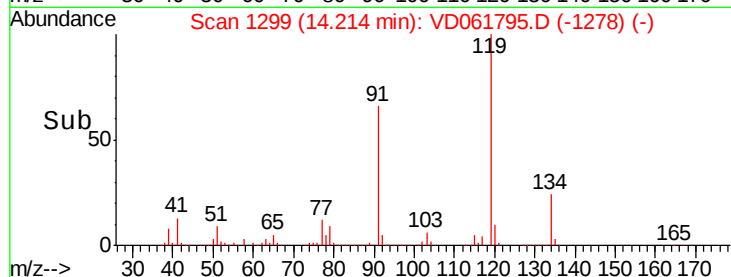
#83
 tert-Butylbenzene
 Concen: 46.762 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1065826
 Ion Ratio Lower Upper
 119 100
 91 66.6 34.2 102.6
 134 24.2 12.0 36.0

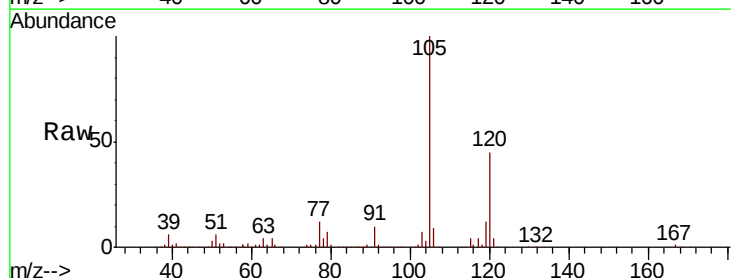


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

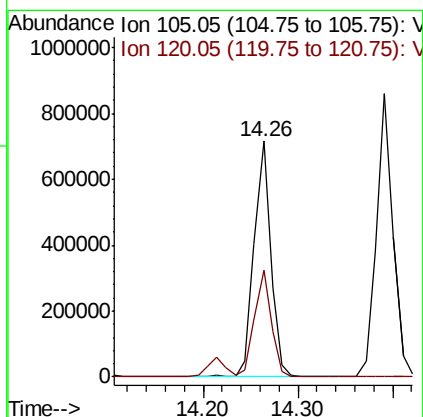
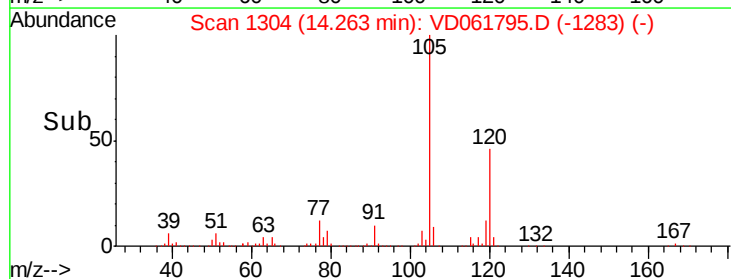


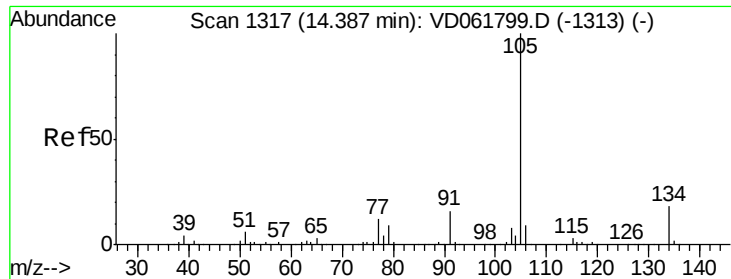
#84
 1,2,4-Trimethylbenzene
 Concen: 45.302 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:105 Resp: 883955
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2



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

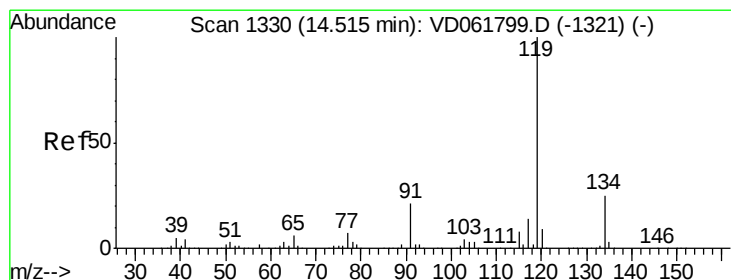
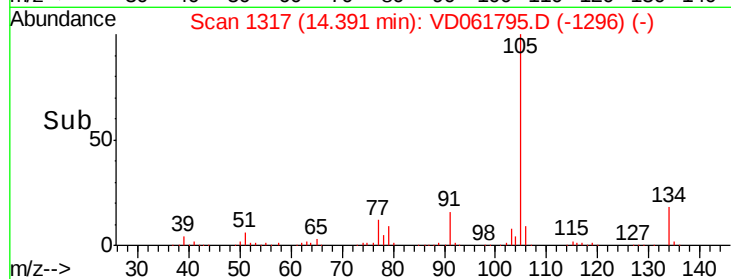
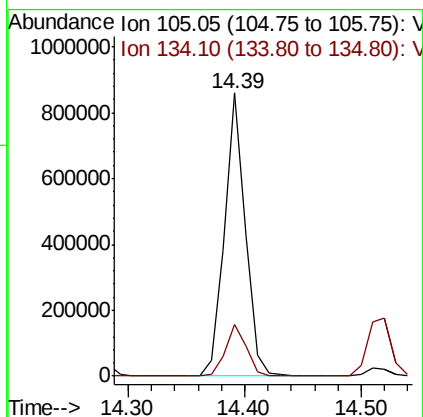
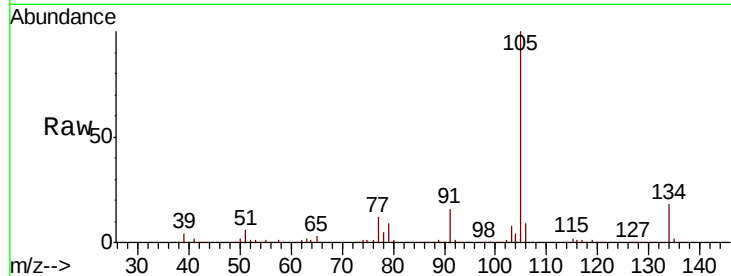




#85
 sec-Butylbenzene
 Concen: 44.975 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

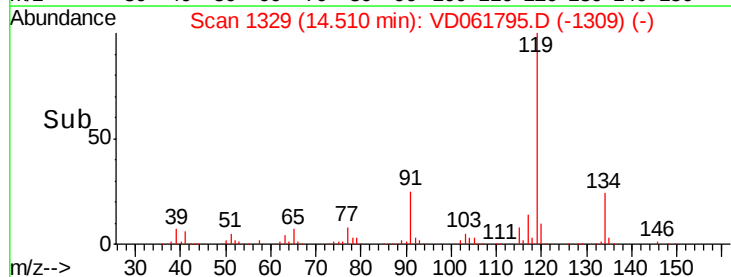
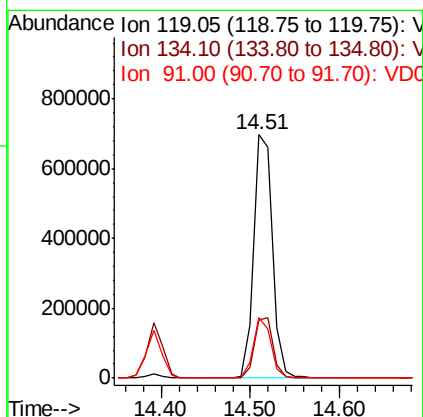
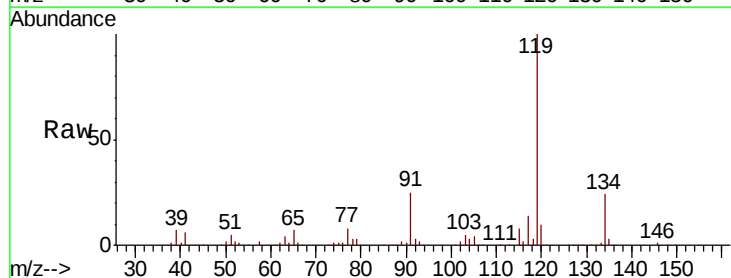
Instrument :
 MSVOA_D
 ClientSampleID :

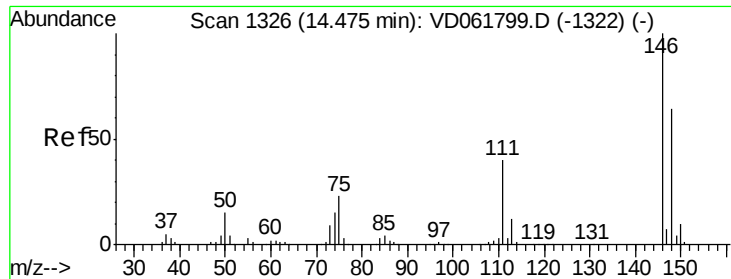
Tot Ion:105 Resp: 1059723
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 45.459 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:119 Resp: 1002184
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.8 38.3
 91 24.8 10.7 32.1

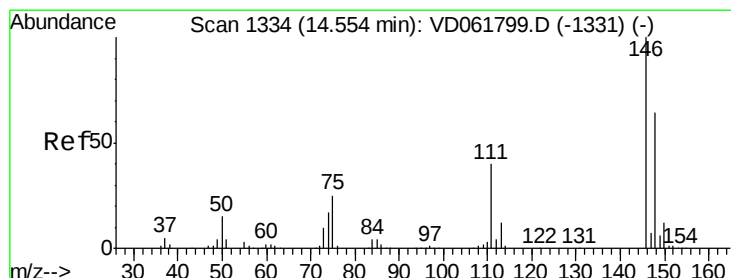
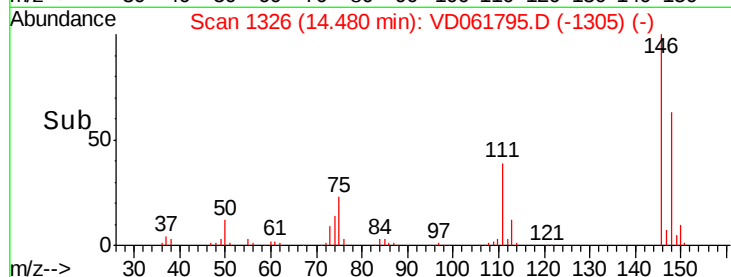
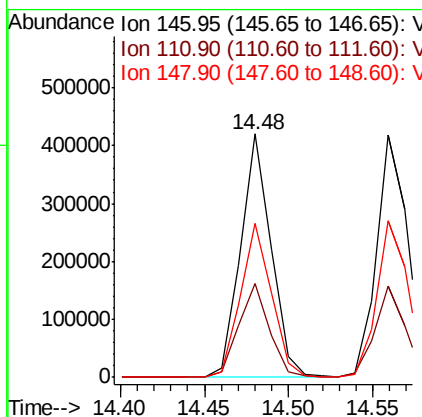
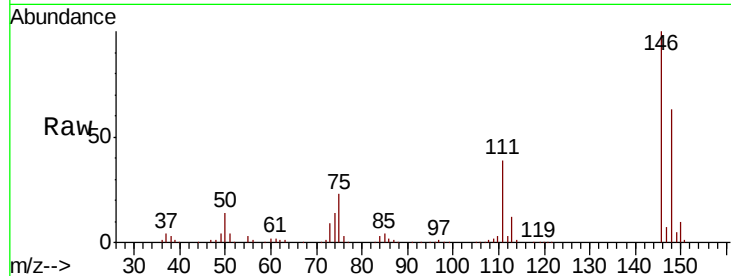




#87
 1,3-Dichlorobenzene
 Concen: 43.582 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

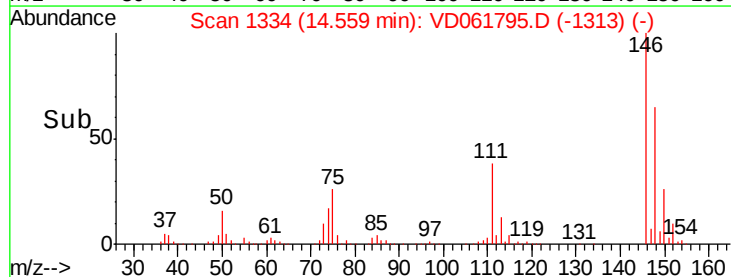
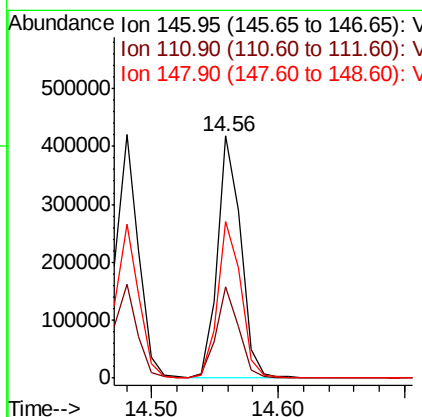
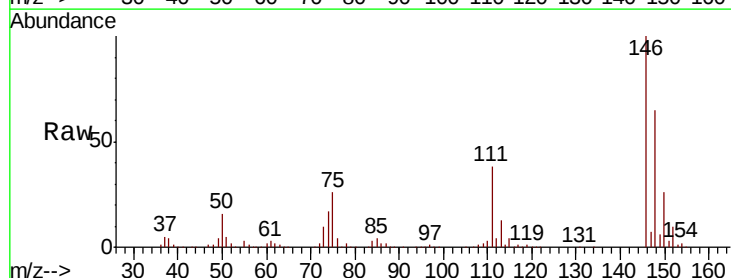
Instrument :
 MSVOA_D
 ClientSampleId :

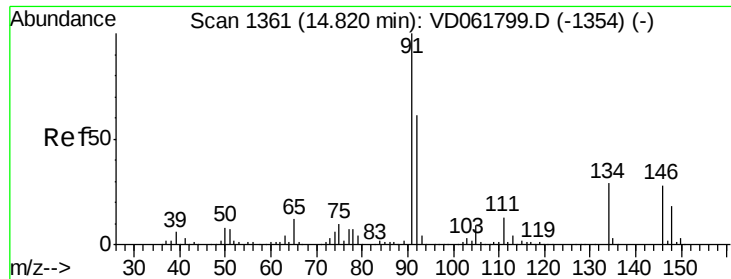
Tot Ion:146 Resp: 528733
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.0 60.0
 148 63.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 44.777 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:146 Resp: 536992
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.2 60.5
 148 64.6 32.0 96.2

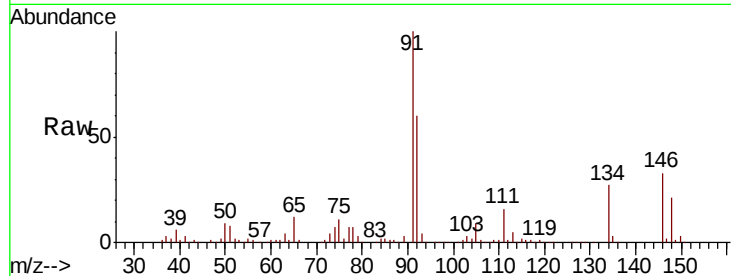




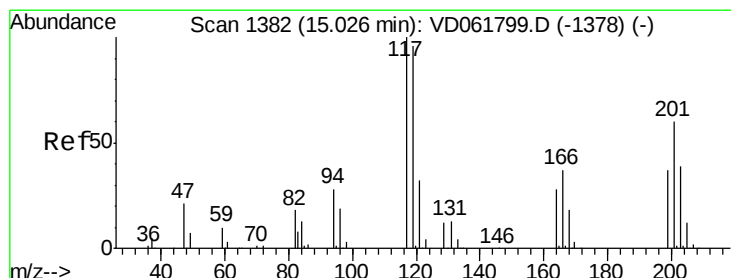
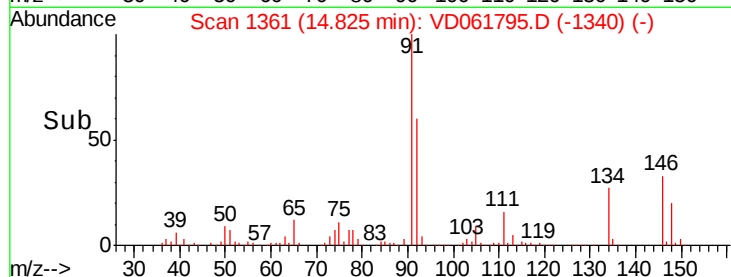
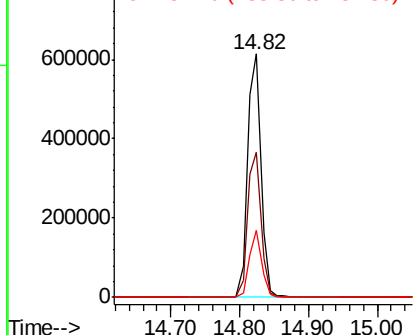
#89
n-Butylbenzene
Concen: 42.508 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 829525
Ion Ratio Lower Upper
91 100
92 59.6 30.3 91.0
134 27.4 14.5 43.6

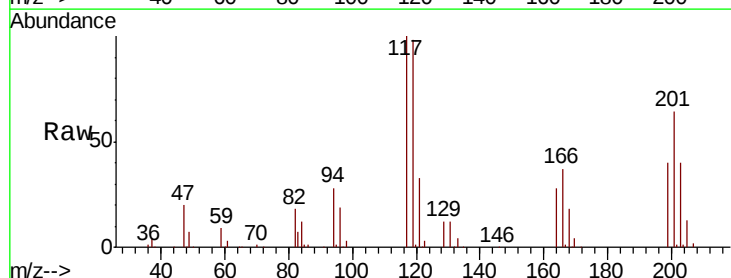


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

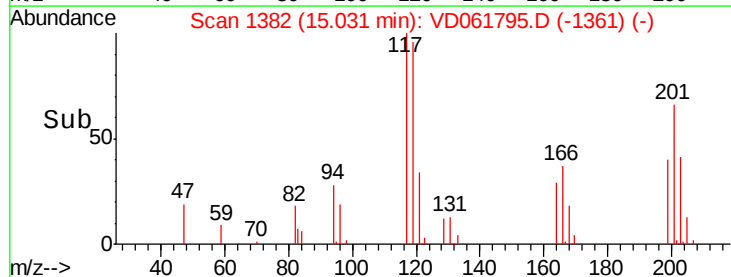
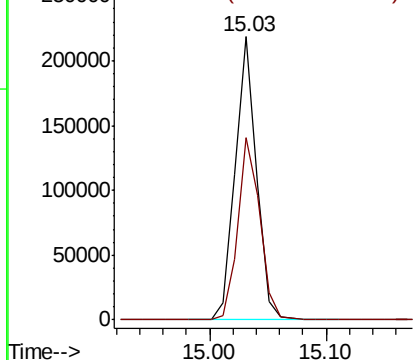


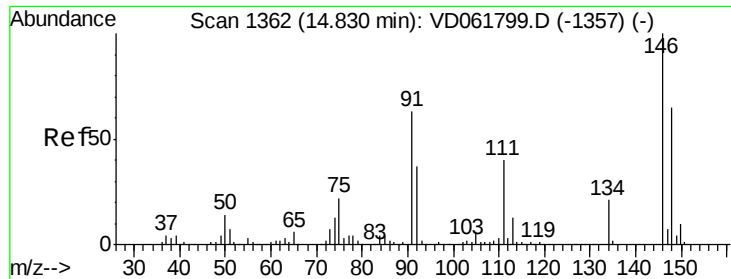
#90
Hexachloroethane
Concen: 46.000 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 117 Resp: 276407
Ion Ratio Lower Upper
117 100
201 64.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

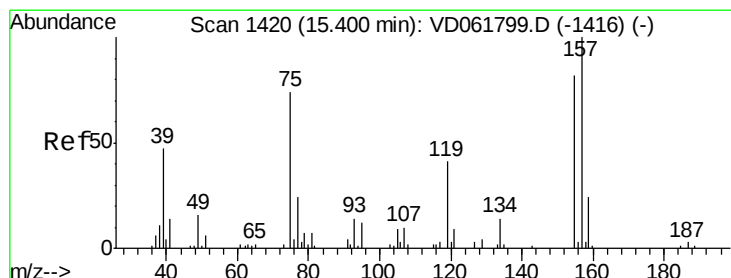
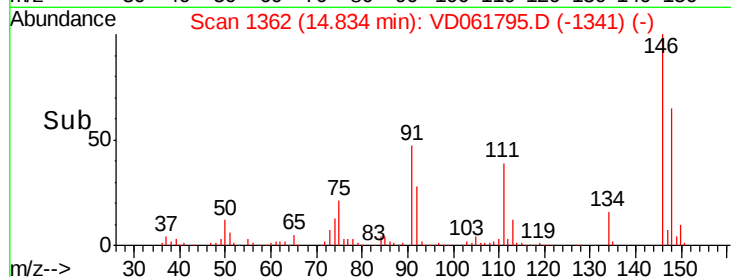
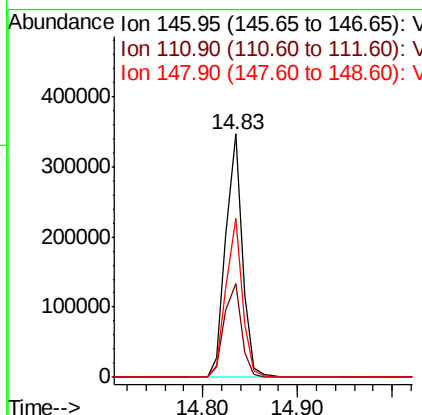
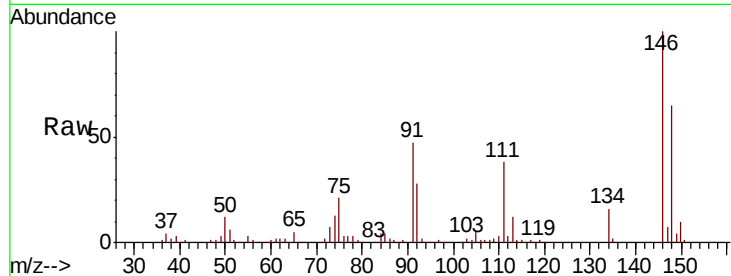




#91
 1,2-Dichlorobenzene
 Concen: 41.835 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

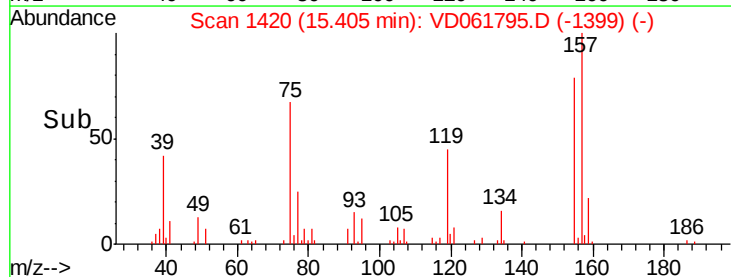
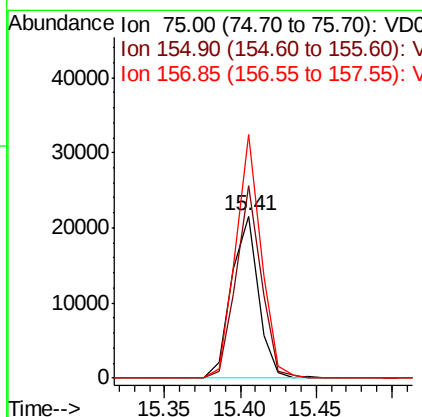
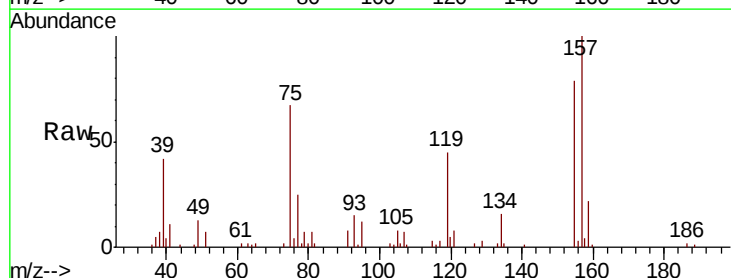
Instrument :
 MSVOA_D
 ClientSampleId :

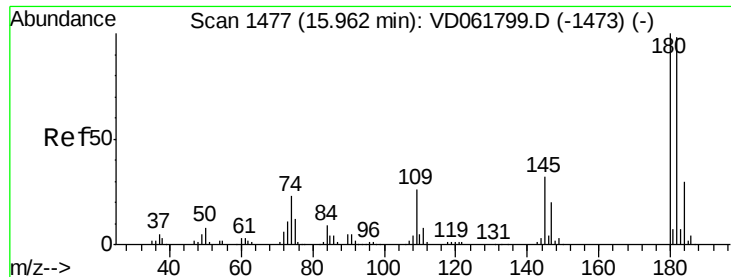
Tot Ion:146 Resp: 425141
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.0 59.9
 148 65.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.061 ug/l
 RT: 15.41 min Scan# 1420
 Delta R.T. 0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 75 Resp: 26489
 Ion Ratio Lower Upper
 75 100
 155 118.3 55.3 165.8
 157 150.0 67.8 203.2

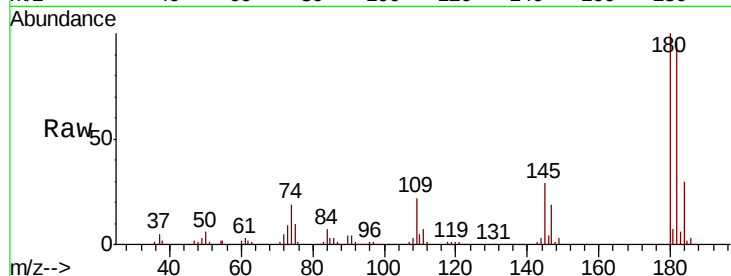




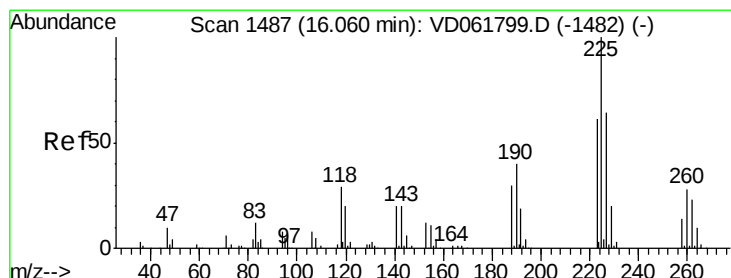
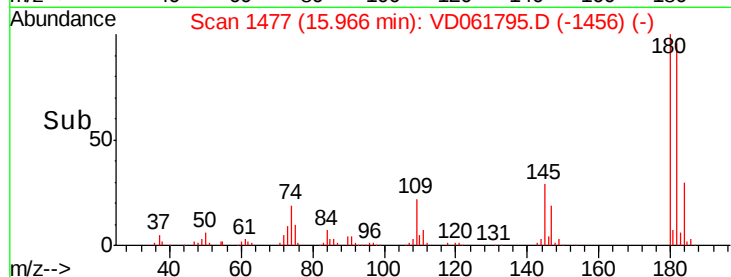
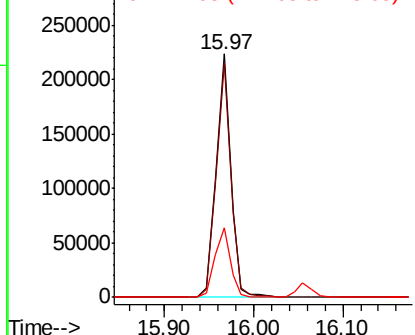
#93
 1,2,4-Trichlorobenzene
 Concen: 46.243 ug/l
 RT: 15.97 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	49.3	147.8
145	28.6	16.2	48.6

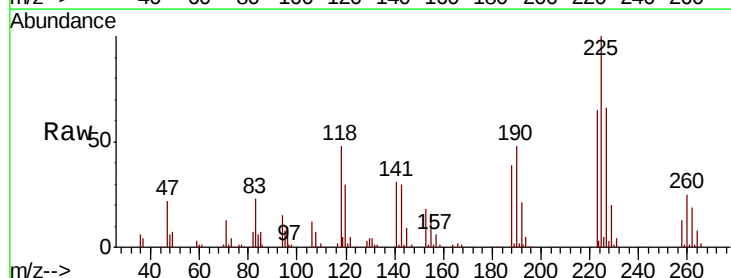


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

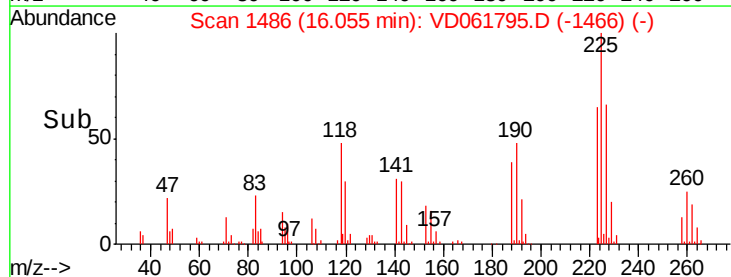
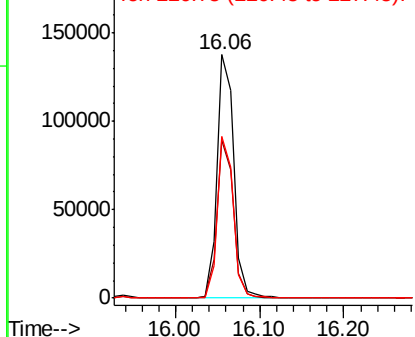


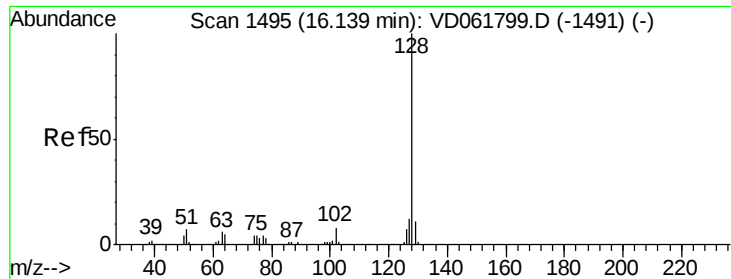
#94
 Hexachlorobutadiene
 Concen: 47.127 ug/l
 RT: 16.06 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.6	92.0
227	66.2	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

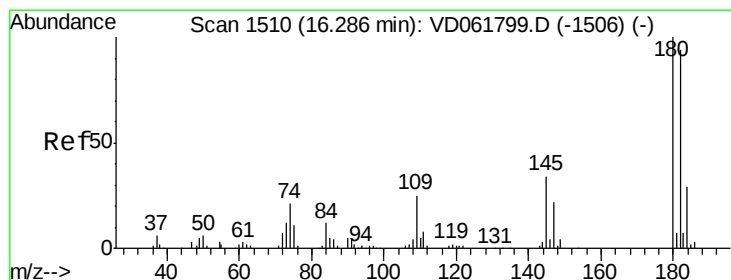
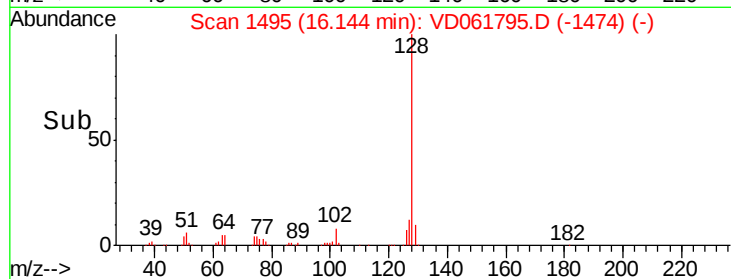
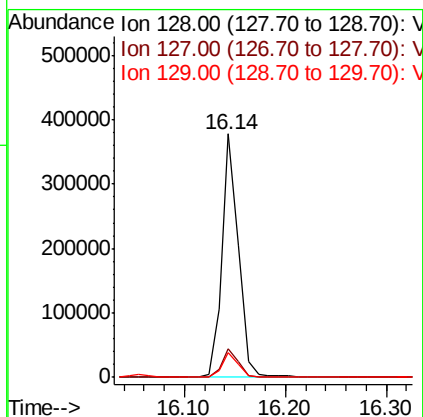
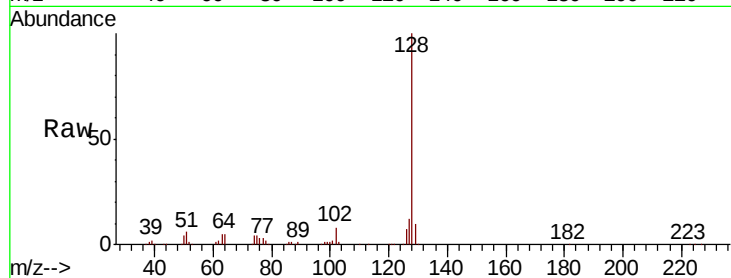




#95
Naphthalene
Concen: 50.613 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 432985
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.146 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion:180 Resp: 143596
Ion Ratio Lower Upper
180 100
182 93.3 47.0 141.0
145 32.9 17.0 51.0

