

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061792.D
 Acq On : 12 Apr 2019 23:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 23:41:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	509839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	805227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	711023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	329874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	200651	51.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	6.90	113	295468	52.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.40	98	638349	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	13.55	95	250016	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	263546	47.915	ug/l	99
3) Chloromethane	1.74	50	212013	47.699	ug/l	98
4) Vinyl Chloride	1.83	62	196408	47.289	ug/l	98
5) Bromomethane	2.14	94	52695	54.815	ug/l	98
6) Chloroethane	2.25	64	78497	60.341	ug/l	98
7) Trichlorofluoromethane	2.51	101	327833	52.277	ug/l	99
8) Diethyl Ether	2.86	74	93710	53.246	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	294744	47.806	ug/l	96
10) Methyl Iodide	3.29	142	461524	50.183	ug/l	98
11) Tert butyl alcohol	4.03	59	74251	286.686	ug/l #	89
12) 1,1-Dichloroethene	3.11	96	238708	44.912	ug/l	95
13) Acrolein	3.02	56	79252	250.977	ug/l	90
14) Allyl chloride	3.61	41	355966	49.104	ug/l	97
15) Acrylonitrile	4.17	53	238126	267.090	ug/l	100
16) Acetone	3.20	43	257108	222.558	ug/l	99
17) Carbon Disulfide	3.36	76	757033	43.835	ug/l	99
18) Methyl Acetate	3.62	43	123241	56.701	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	532752	57.889	ug/l	99
20) Methylene Chloride	3.79	84	313926	47.888	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	285425	49.444	ug/l	96
22) Diisopropyl ether	5.10	45	795089	52.313	ug/l	96
23) Vinyl Acetate	5.03	43	2282897	272.215	ug/l	99
24) 1,1-Dichloroethane	4.97	63	486448	52.230	ug/l	100
25) 2-Butanone	6.05	43	363692	273.083	ug/l	100
26) 2,2-Dichloropropane	6.00	77	387895	51.149	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	340496	55.290	ug/l	95
28) Bromochloromethane	6.41	49	193608	56.352	ug/l	91
29) Tetrahydrofuran	6.43	42	177017	275.339	ug/l	98
30) Chloroform	6.65	83	550676	56.440	ug/l	99
31) Cyclohexane	6.93	56	343203	47.169	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	459419	53.732	ug/l	97
36) 1,1-Dichloropropene	7.13	75	391562	55.563	ug/l	98
37) Ethyl Acetate	6.16	43	167238	58.263	ug/l	97
38) Carbon Tetrachloride	7.09	117	523012	63.324	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061792.D
 Acq On : 12 Apr 2019 23:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 23:41:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	371561	51.355	ug/l	96
40) Benzene	7.44	78	944888	55.578	ug/l	99
41) Methacrylonitrile	6.41	41	206238	61.548	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	325816	60.937	ug/l	99
43) Isopropyl Acetate	9.22	43	253320	60.809	ug/l #	98
44) Trichloroethene	8.52	130	370019	56.771	ug/l	99
45) 1,2-Dichloropropane	8.92	63	250900	59.508	ug/l	99
46) Dibromomethane	9.05	93	182076	60.424	ug/l	100
47) Bromodichloromethane	9.36	83	406495	61.421	ug/l	98
48) Methyl methacrylate	9.10	41	136507	56.846	ug/l	97
49) 1,4-Dioxane	9.06	88	30522	1151.527	ug/l #	90
51) 4-Methyl-2-Pentanone	10.29	43	787294	319.563	ug/l	99
52) Toluene	10.50	92	586007	55.199	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	340344	58.667	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	408829	57.168	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	200988	56.133	ug/l	97
56) Ethyl methacrylate	11.03	69	238084	63.031	ug/l	98
57) 1,3-Dichloropropane	11.39	76	310457	59.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	469082	263.192	ug/l	97
59) 2-Hexanone	11.52	43	533644	279.103	ug/l	97
60) Dibromochloromethane	11.68	129	356753	63.064	ug/l	99
61) 1,2-Dibromoethane	11.80	107	248609	59.371	ug/l	99
64) Tetrachloroethene	11.25	164	283198	51.311	ug/l	99
65) Chlorobenzene	12.39	112	738902	52.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	308587	56.873	ug/l	98
67) Ethyl Benzene	12.52	91	1112708	51.821	ug/l	99
68) m/p-Xylenes	12.65	106	853846	103.147	ug/l	97
69) o-Xylene	13.04	106	373354	46.723	ug/l	96
70) Styrene	13.07	104	695550	50.969	ug/l	99
71) Bromoform	13.22	173	187893	55.812	ug/l	99
73) Isopropylbenzene	13.39	105	1130550	51.436	ug/l	99
74) N-amyl acetate	13.25	43	314279	52.625	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	231866	51.019	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	231065	51.486	ug/l	97
77) Bromobenzene	13.67	156	318760	49.963	ug/l	79
78) n-propylbenzene	13.77	91	1236935	47.045	ug/l	99
79) 2-Chlorotoluene	13.83	91	762470	50.712	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	974184	55.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	75006	55.075	ug/l	96
82) 4-Chlorotoluene	13.94	91	922708	56.005	ug/l	98
83) tert-Butylbenzene	14.19	119	1180029	56.100	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	918747	52.180	ug/l	100
85) sec-Butylbenzene	14.36	105	1125406	49.521	ug/l	99
86) p-Isopropyltoluene	14.48	119	973888	49.399	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	529611	48.235	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	588758	53.143	ug/l	97
89) n-Butylbenzene	14.79	91	836233	48.800	ug/l	99
90) Hexachloroethane	15.01	117	299255	55.942	ug/l	65
91) 1,2-Dichlorobenzene	14.80	146	449939	49.721	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	33344	60.799	ug/l	91

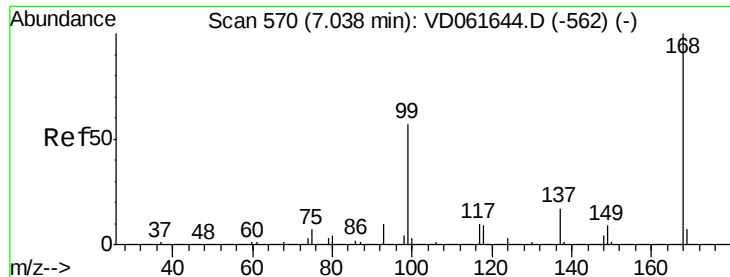
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
Data File : VD061792.D
Acq On : 12 Apr 2019 23:17
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 12 23:41:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	280548	60.851	ug/l	96
94) Hexachlorobutadiene	16.03	225	194196	54.550	ug/l	99
95) Naphthalene	16.12	128	463323	63.512	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	179776	78.131	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

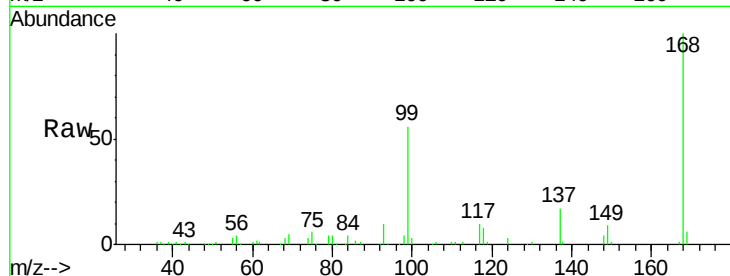
ClientSampleId :

Tot Ion:168 Resp: 509839

Ion Ratio Lower Upper

168 100

99 56.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

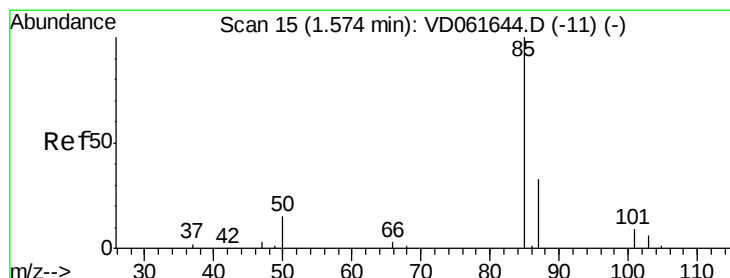
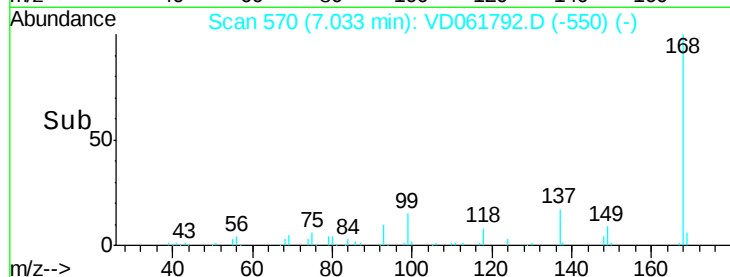
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.915 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061792.D

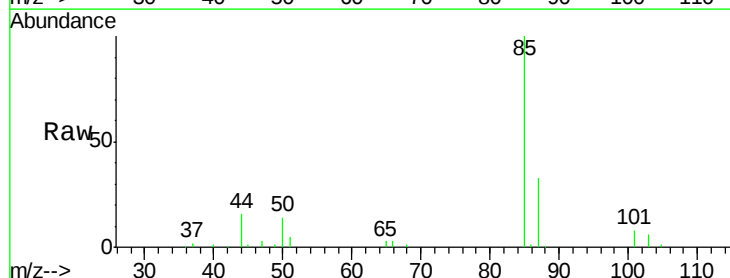
Acq: 12 Apr 2019 23:17

Tgt Ion: 85 Resp: 263546

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

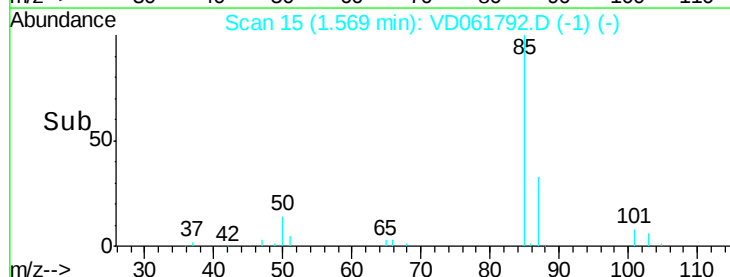
100000

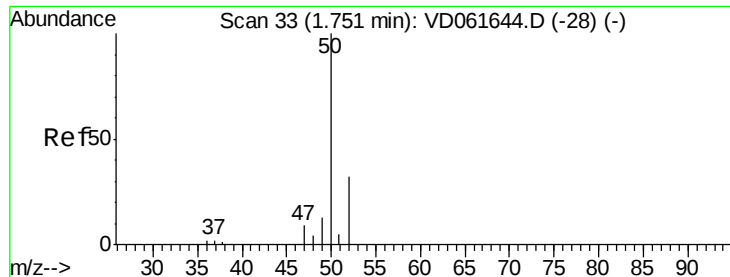
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.699 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

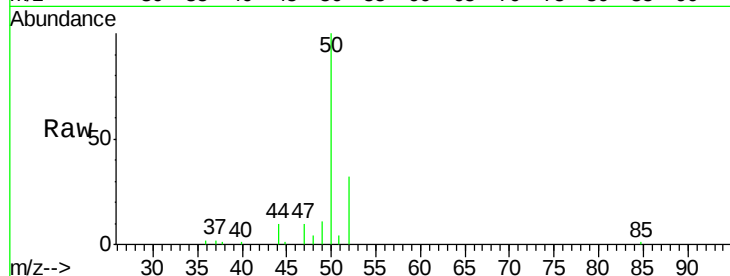
ClientSampleId :

Tot Ion: 50 Resp: 212013

Ion Ratio Lower Upper

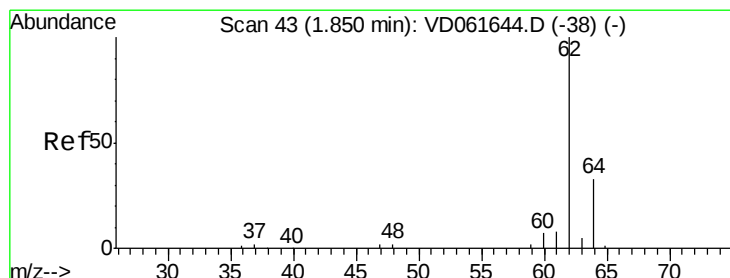
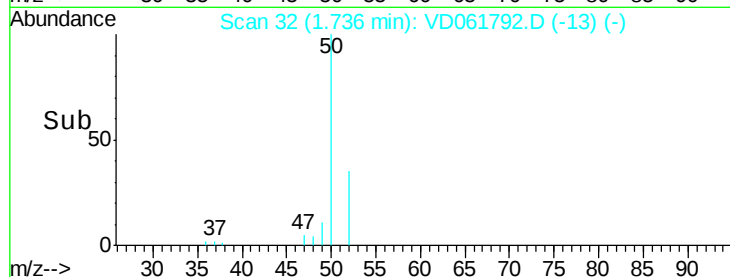
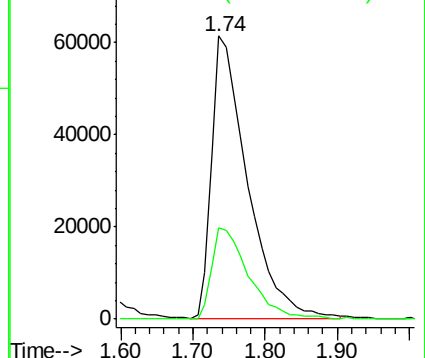
50 100

52 32.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.289 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD061792.D

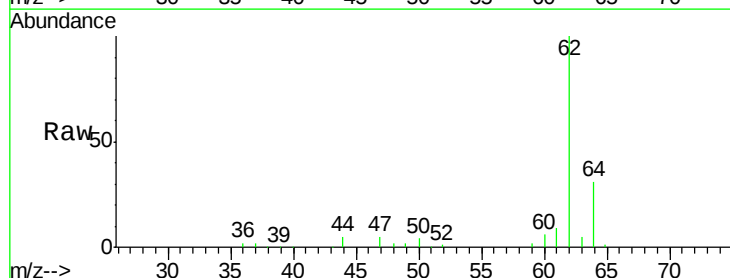
Acq: 12 Apr 2019 23:17

Tgt Ion: 62 Resp: 196408

Ion Ratio Lower Upper

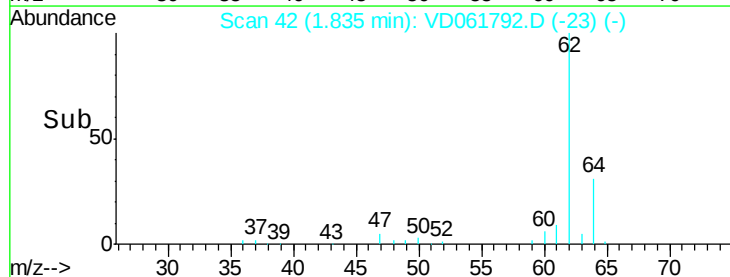
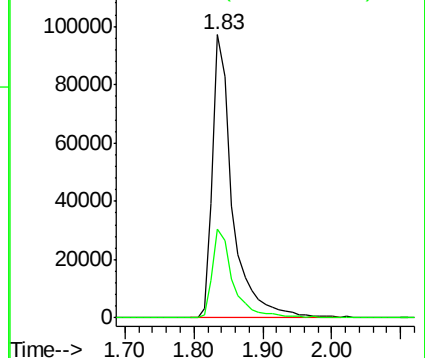
62 100

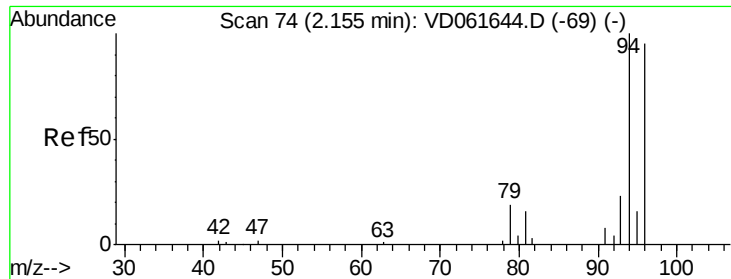
64 31.4 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.815 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

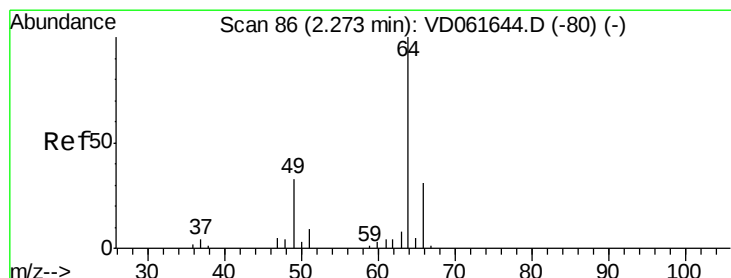
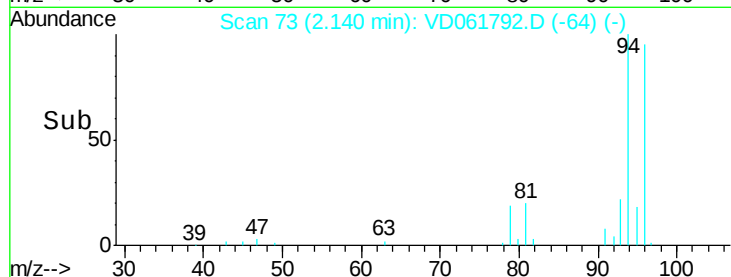
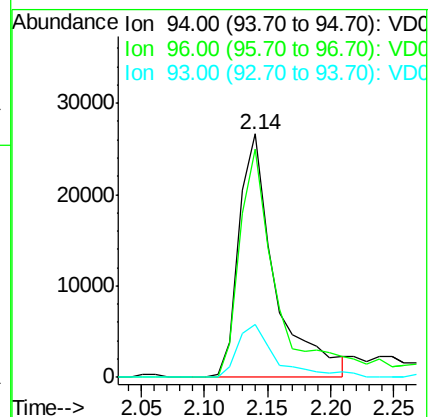
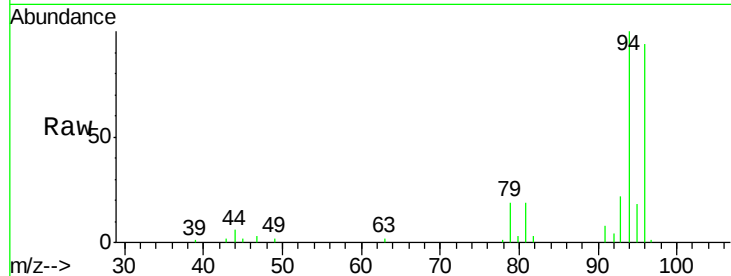
Tot Ion: 94 Resp: 52695

Ion Ratio Lower Upper

94 100

96 93.5 75.8 113.8

93 21.6 18.6 28.0



#6

Chloroethane

Concen: 60.341 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD061792.D

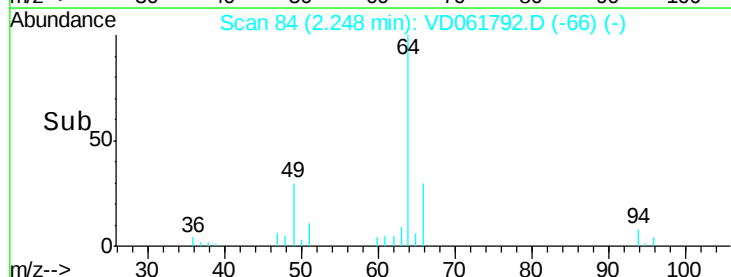
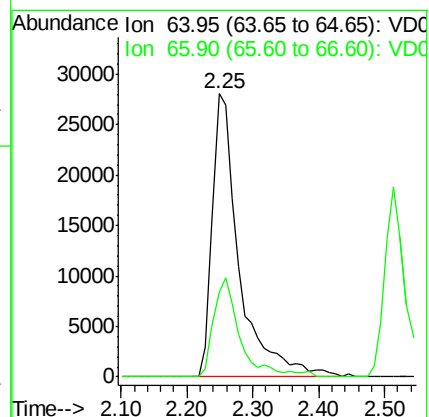
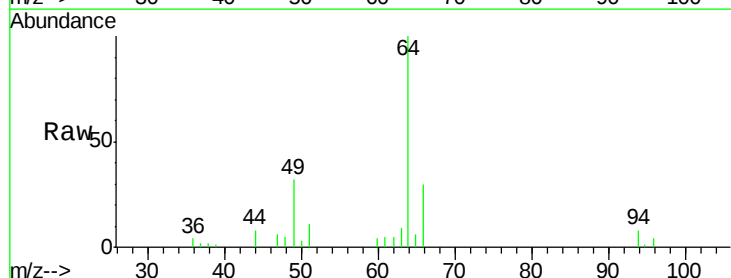
Acq: 12 Apr 2019 23:17

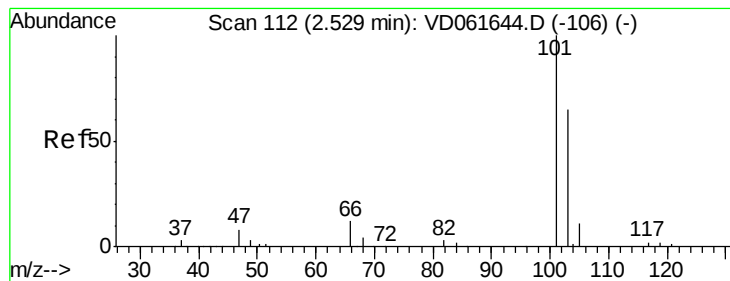
Tgt Ion: 64 Resp: 78497

Ion Ratio Lower Upper

64 100

66 29.9 24.9 37.3



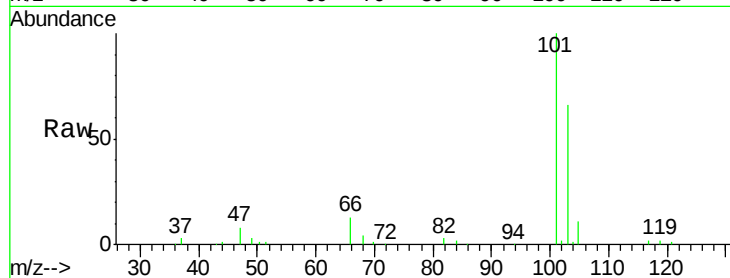


#7

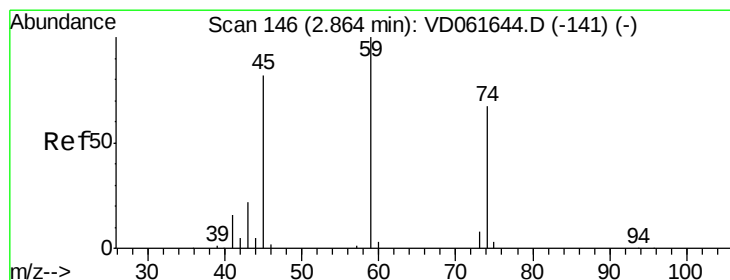
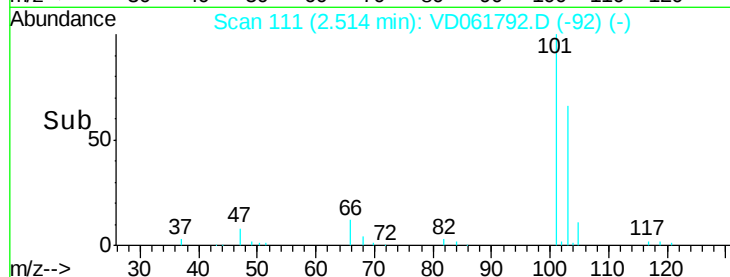
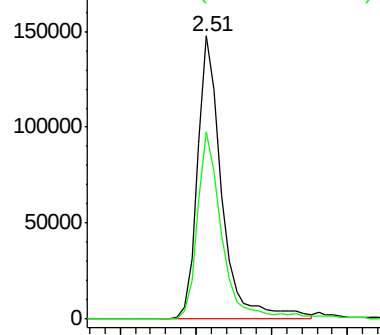
Trichlorofluoromethane
 Concen: 52.277 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 327833
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.0 78.0



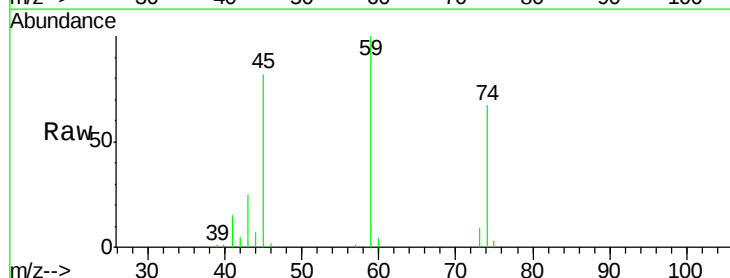
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



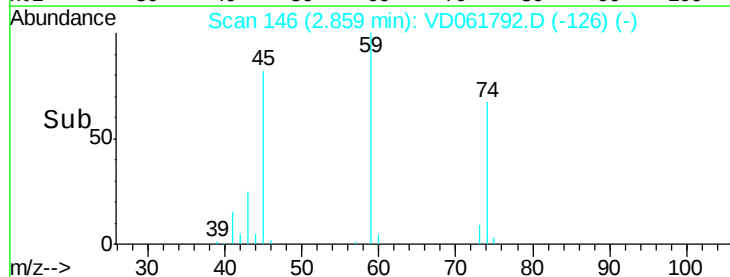
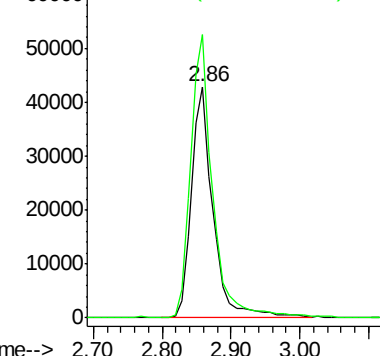
#8

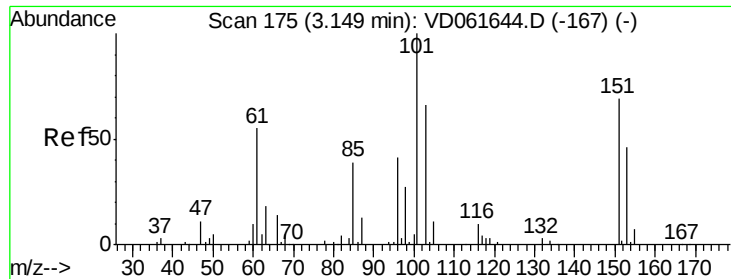
Diethyl Ether
 Concen: 53.246 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 74 Resp: 93710
 Ion Ratio Lower Upper
 74 100
 45 122.6 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.806 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

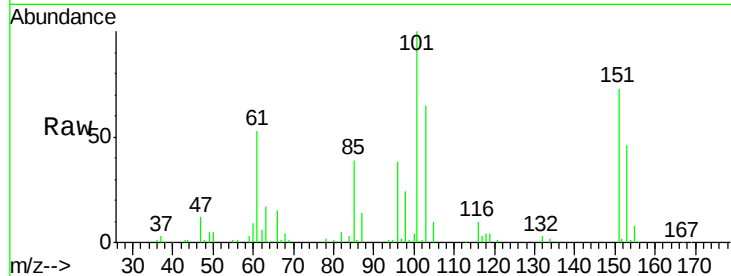
Tot Ion:101 Resp: 294744

Ion Ratio Lower Upper

101 100

85 39.5 31.0 46.6

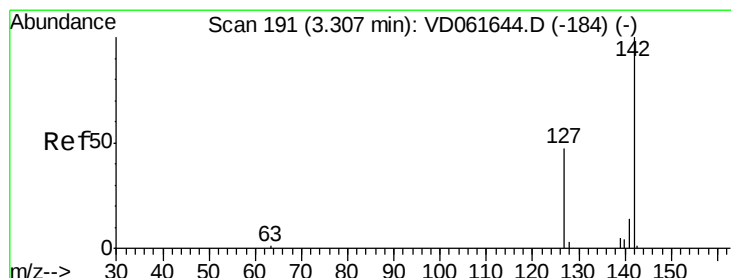
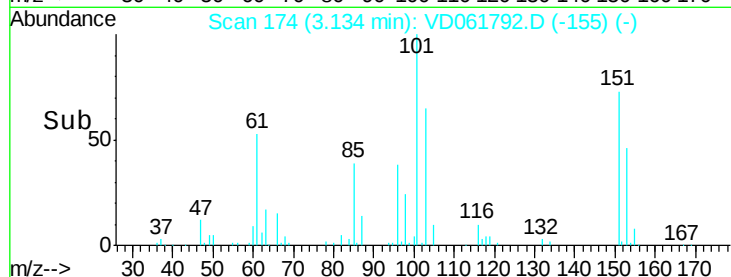
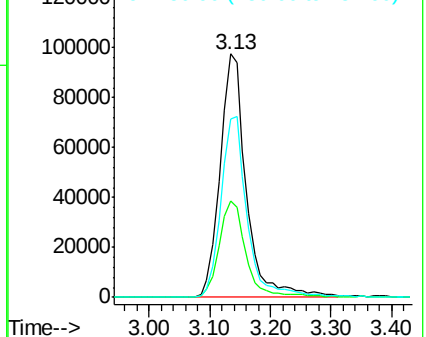
151 73.1 55.3 82.9



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: 50.183 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

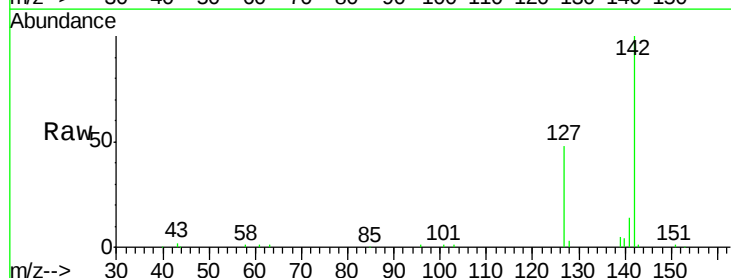
Tgt Ion:142 Resp: 461524

Ion Ratio Lower Upper

142 100

127 47.9 37.2 55.8

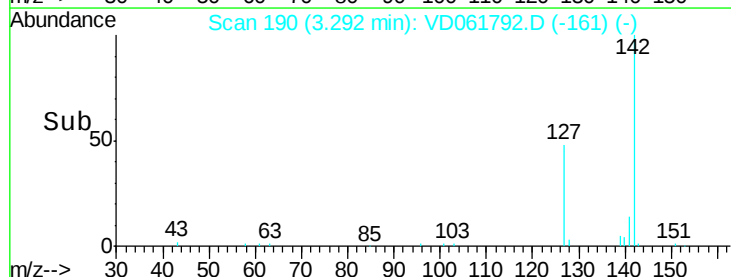
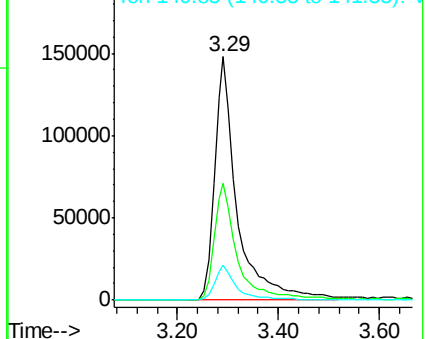
141 14.5 10.8 16.2

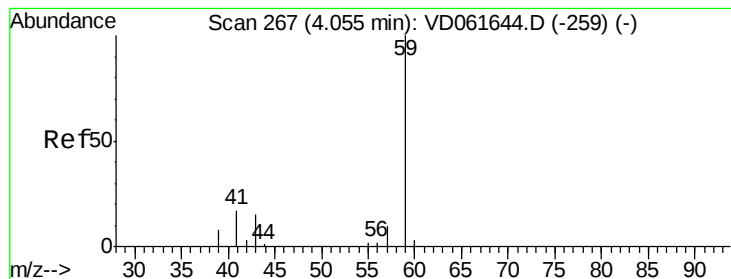


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



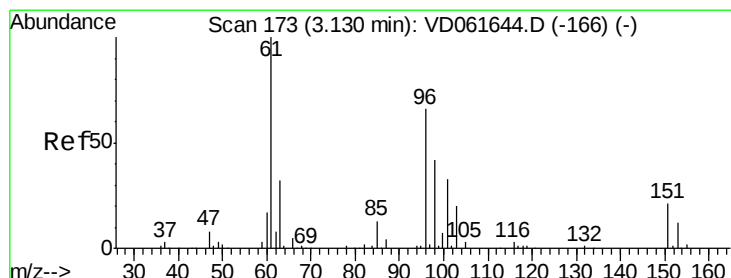
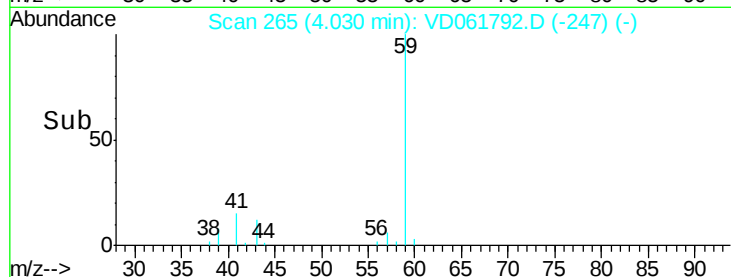
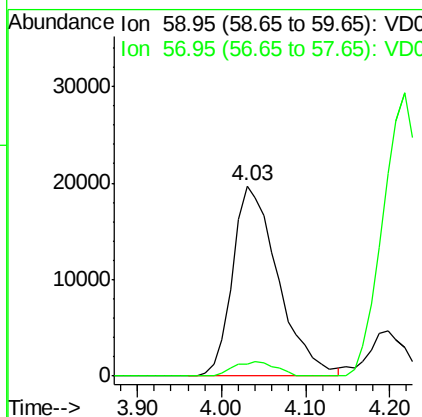
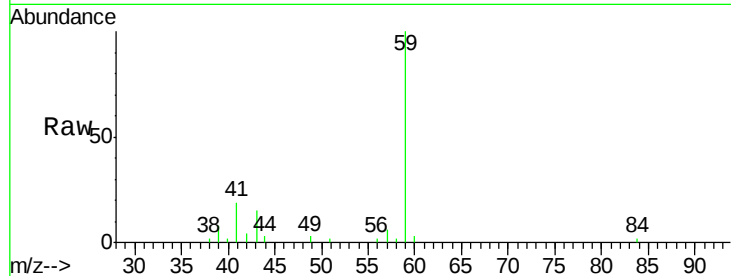


#11

Tert butyl alcohol
 Concen: 286.686 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :

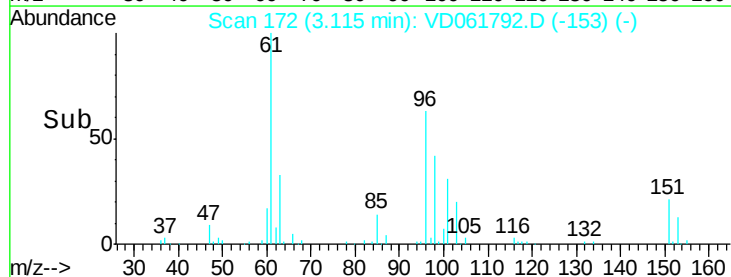
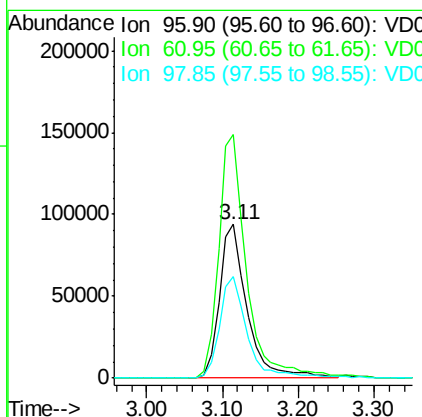
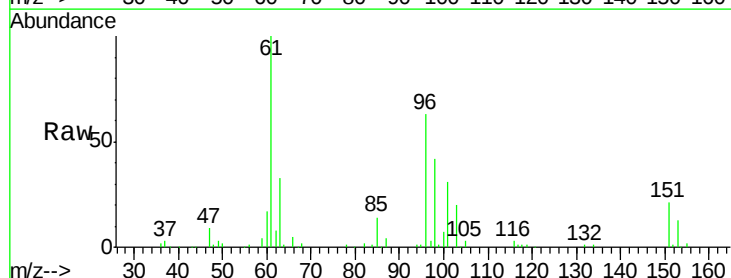
Tot Ion: 59 Resp: 74251
 Ion Ratio Lower Upper
 59 100
 57 6.4 8.4 12.6#

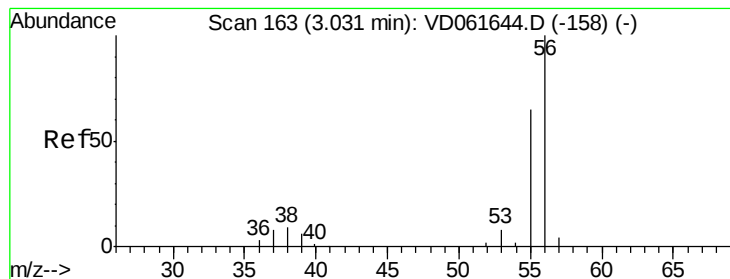


#12

1,1-Dichloroethene
 Concen: 44.912 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 96 Resp: 238708
 Ion Ratio Lower Upper
 96 100
 61 158.3 121.3 181.9
 98 65.9 50.6 76.0





#13

Acrolein

Concen: 250.977 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

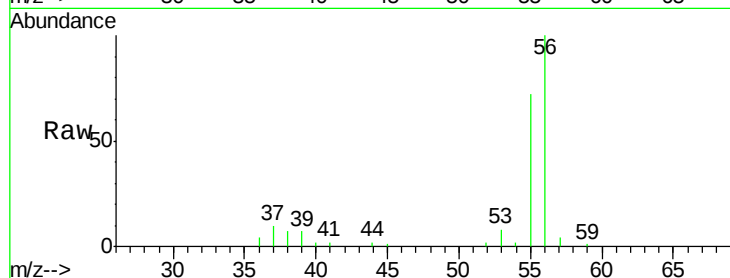
ClientSampleId :

Tot Ion: 56 Resp: 79252

Ion Ratio Lower Upper

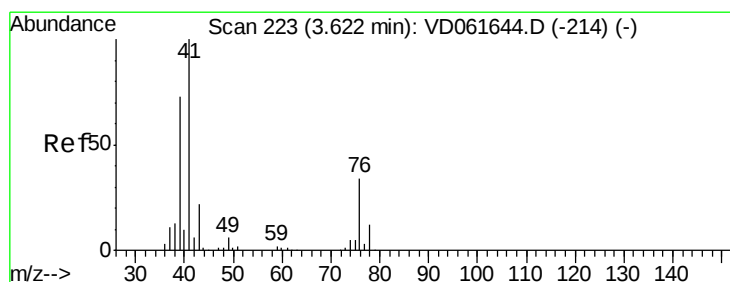
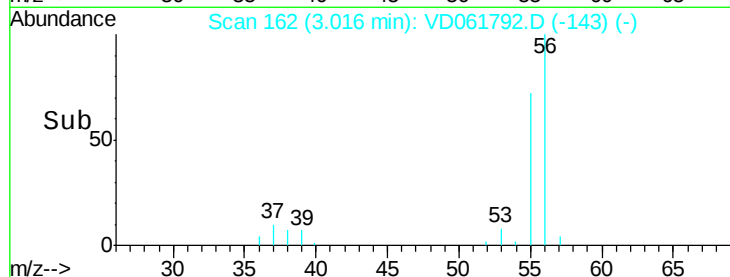
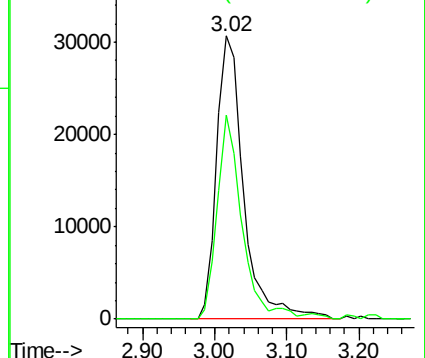
56 100

55 72.3 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.104 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

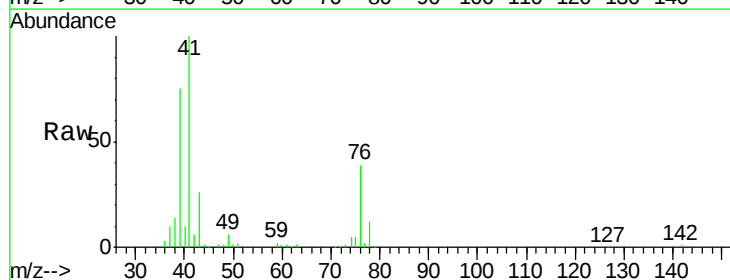
Tgt Ion: 41 Resp: 355966

Ion Ratio Lower Upper

41 100

39 75.5 58.2 87.4

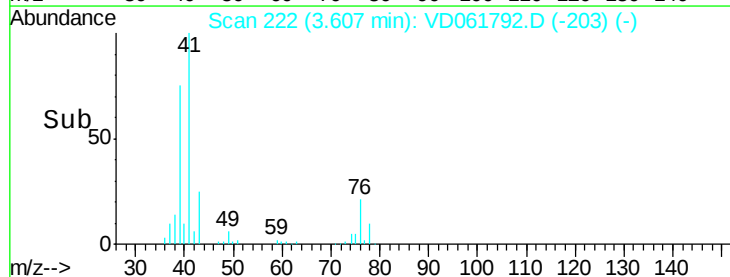
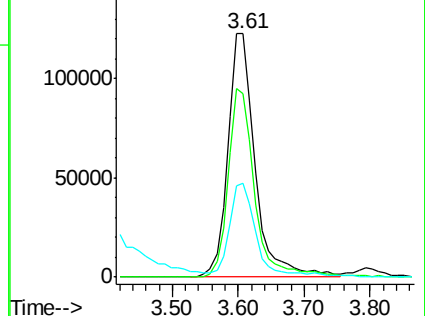
76 38.7 29.8 44.6

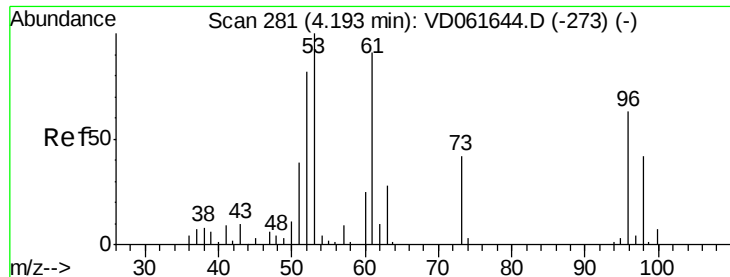


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.090 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampled :

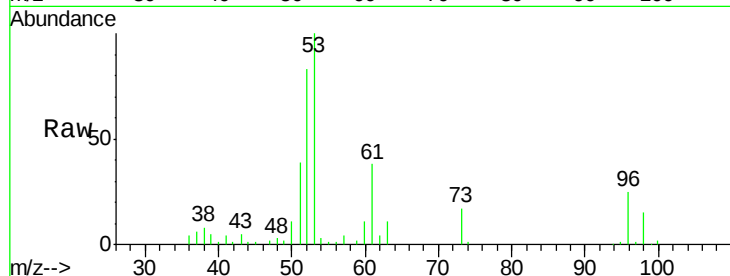
Tot Ion: 53 Resp: 238126

Ion Ratio Lower Upper

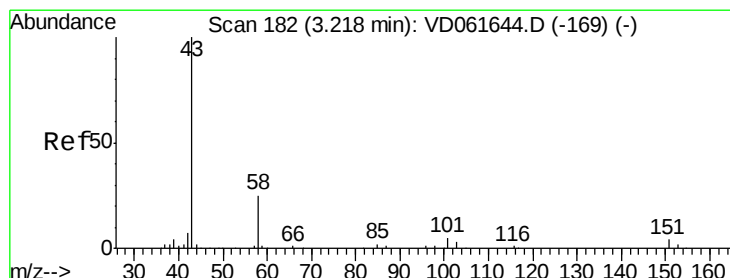
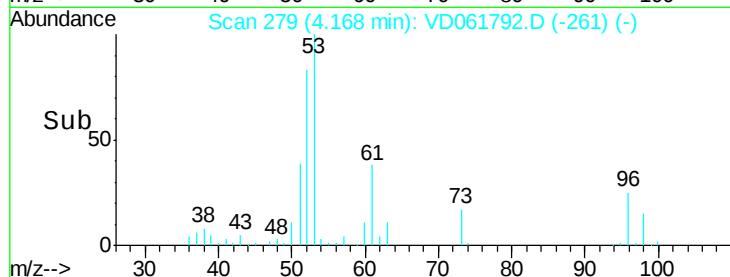
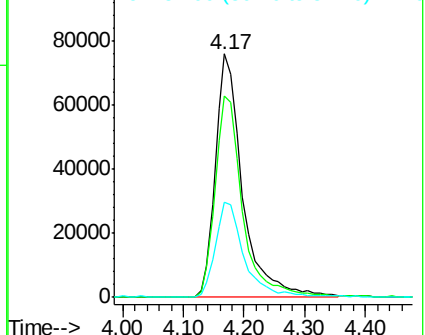
53 100

52 83.0 65.9 98.9

51 39.2 31.4 47.2



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



#16

Acetone

Concen: 222.558 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061792.D

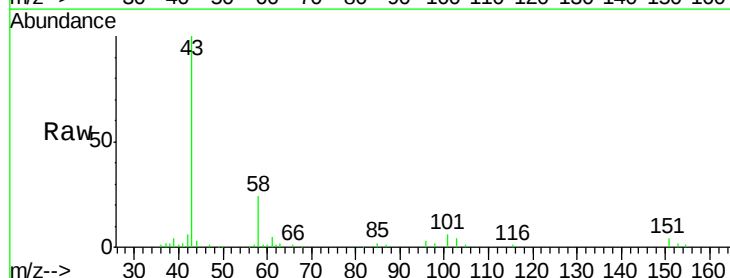
Acq: 12 Apr 2019 23:17

Tgt Ion: 43 Resp: 257108

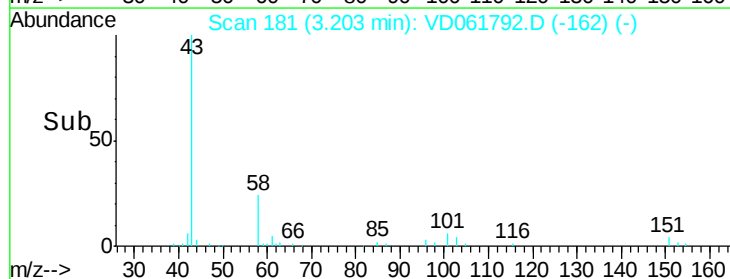
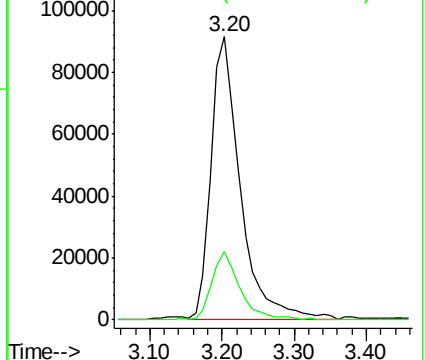
Ion Ratio Lower Upper

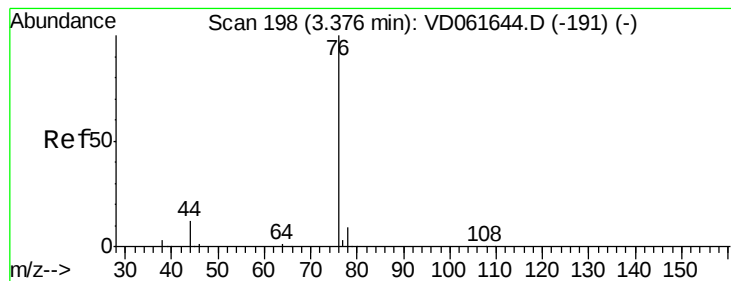
43 100

58 24.1 19.7 29.5



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





#17

Carbon Disulfide

Concen: 43.835 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

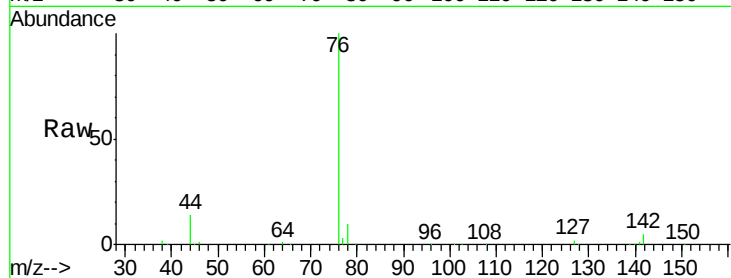
ClientSampleId :

Tot Ion: 76 Resp: 757033

Ion Ratio Lower Upper

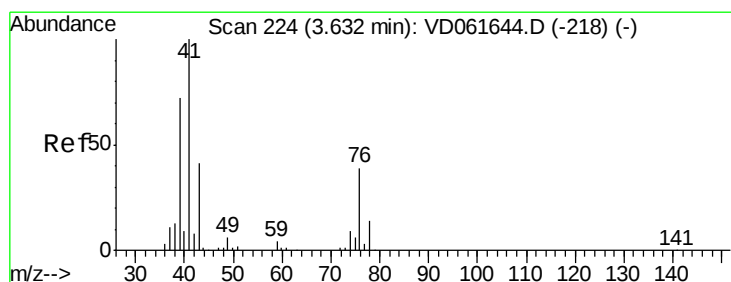
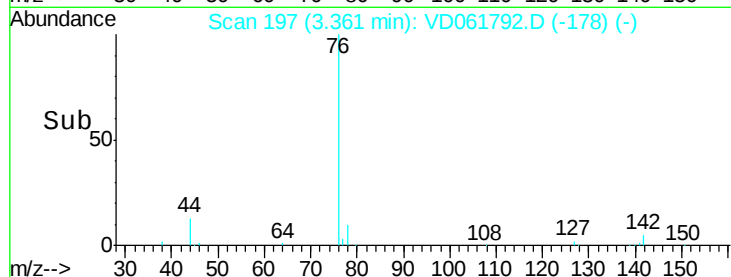
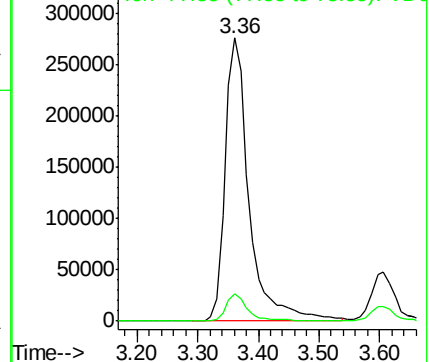
76 100

78 9.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 56.701 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061792.D

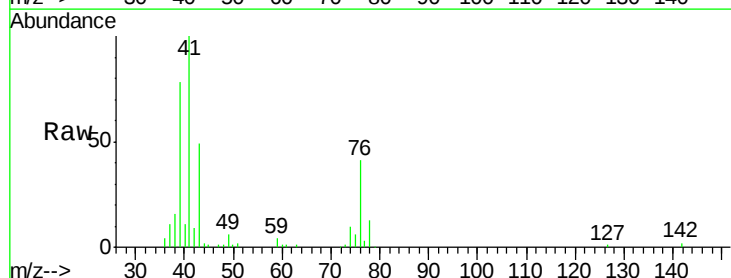
Acq: 12 Apr 2019 23:17

Tgt Ion: 43 Resp: 123241

Ion Ratio Lower Upper

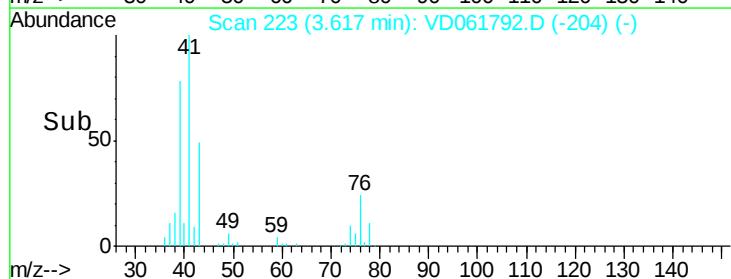
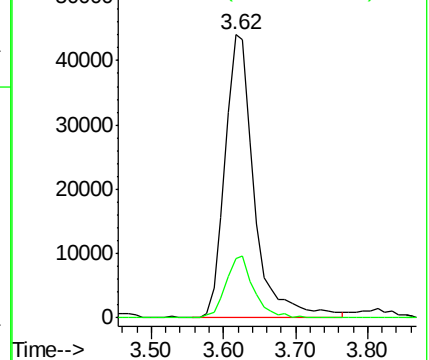
43 100

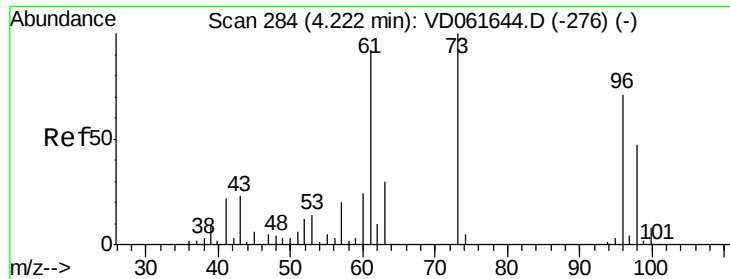
74 21.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

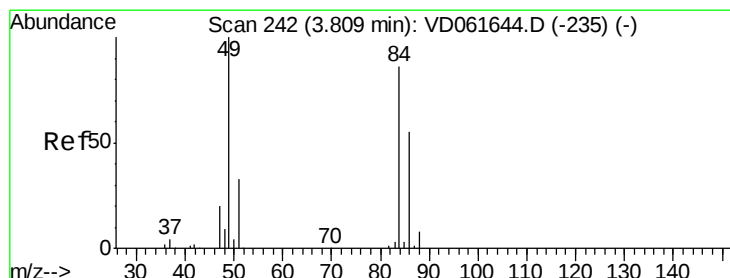
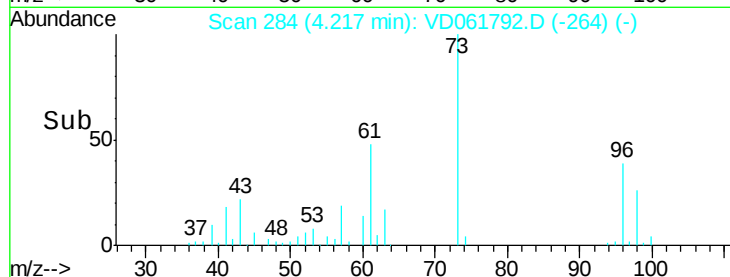
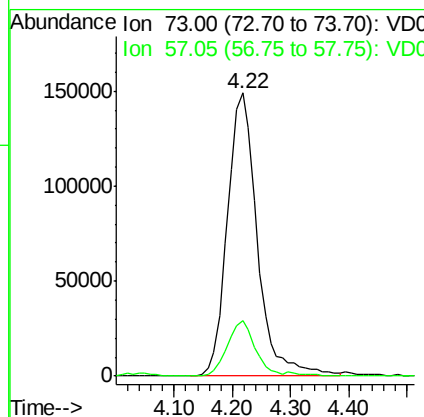
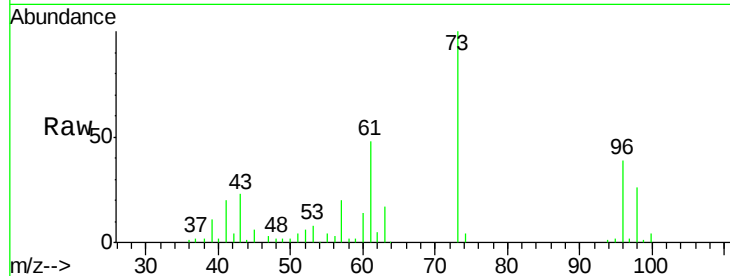




#19
Methyl tert-butyl Ether
Concen: 57.889 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

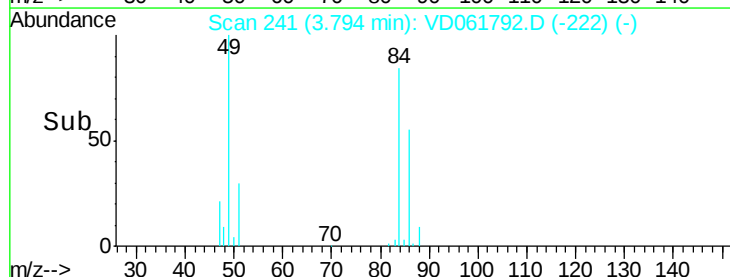
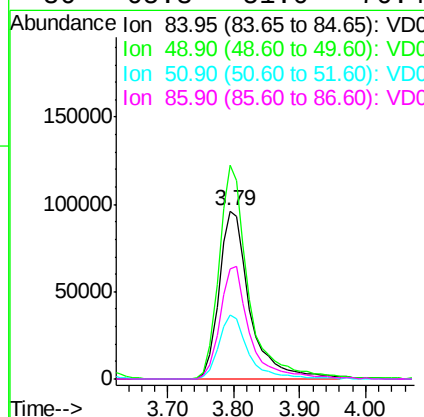
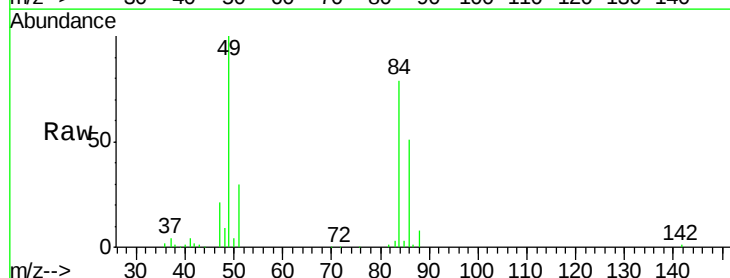
Instrument :
MSVOA_D
ClientSampleId :

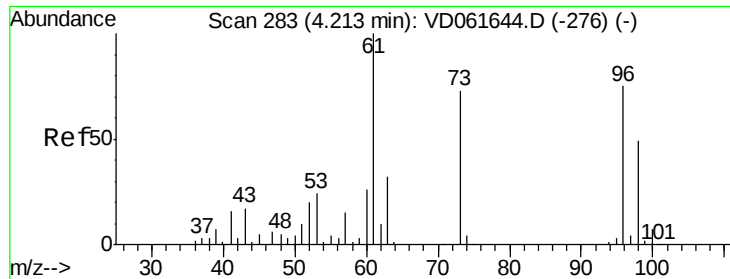
Tot Ion: 73 Resp: 532752
Ion Ratio Lower Upper
73 100
57 19.7 16.0 24.0



#20
Methylene Chloride
Concen: 47.888 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 84 Resp: 313926
Ion Ratio Lower Upper
84 100
49 126.9 93.0 139.4
51 37.8 30.4 45.6
86 65.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 49.444 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

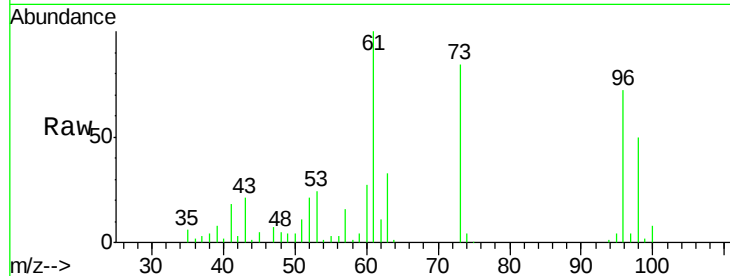
Tot Ion: 96 Resp: 285425

Ion Ratio Lower Upper

96 100

61 138.2 106.8 160.2

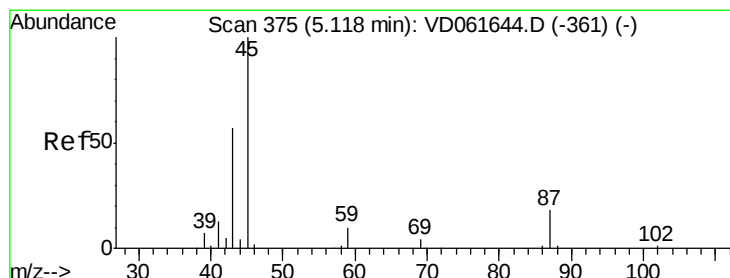
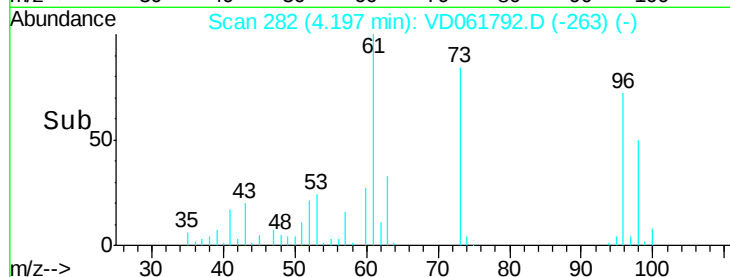
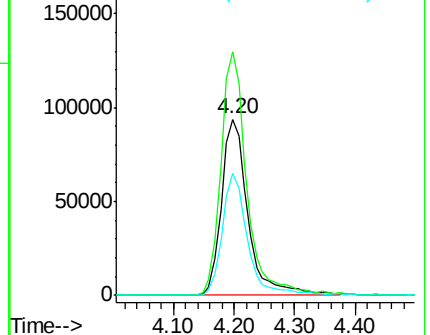
98 69.4 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.313 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion: 45 Resp: 795089

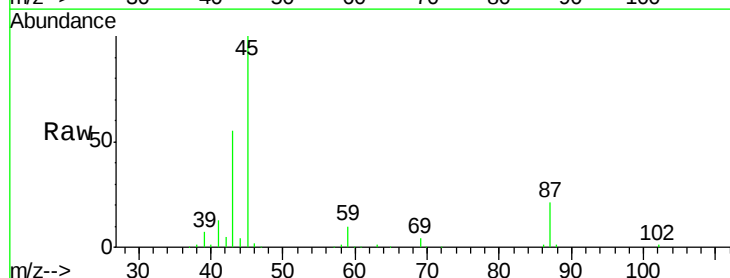
Ion Ratio Lower Upper

45 100

43 54.8 46.6 70.0

87 20.9 15.6 23.4

59 9.8 8.6 13.0

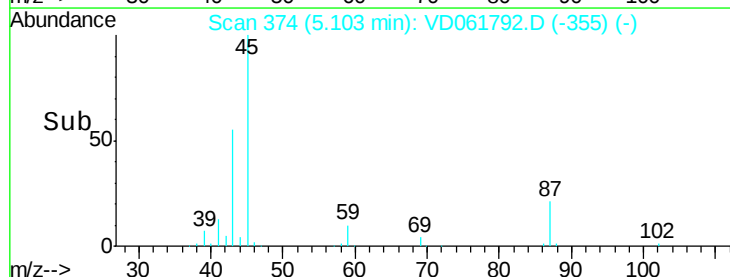
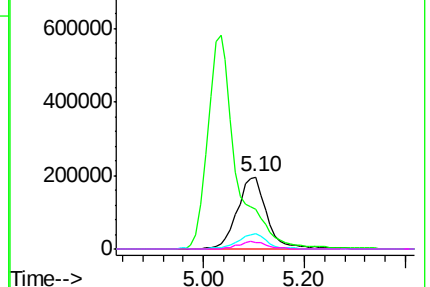


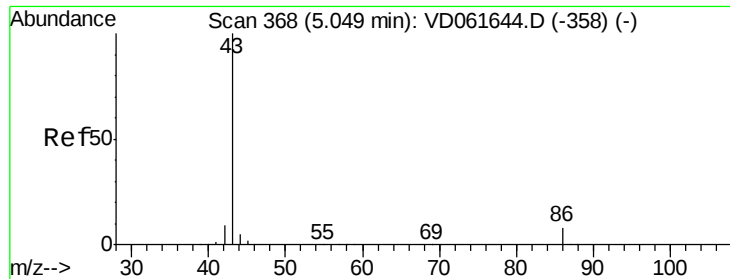
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

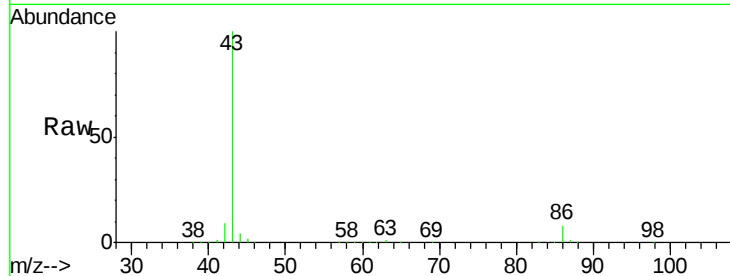




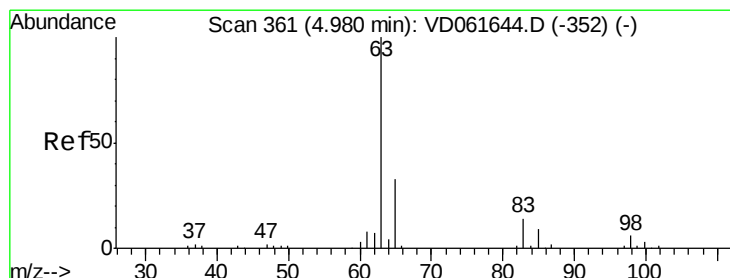
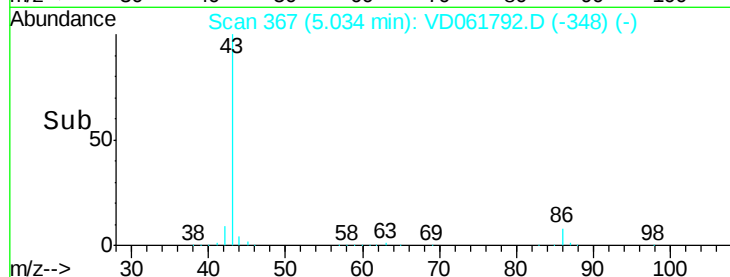
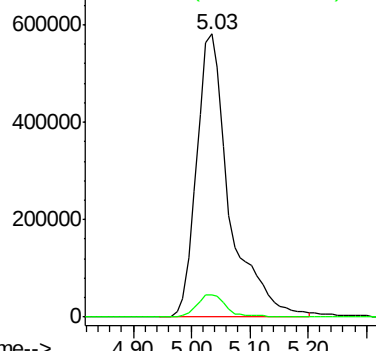
#23
 Vinyl Acetate
 Concen: 272.215 ug/l
 RT: 5.03 min Scan# 367
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 2282897
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.4 9.6

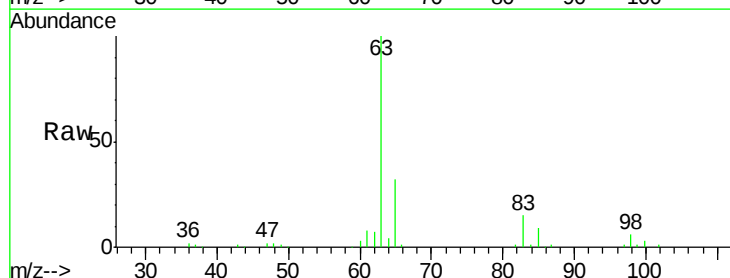


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC

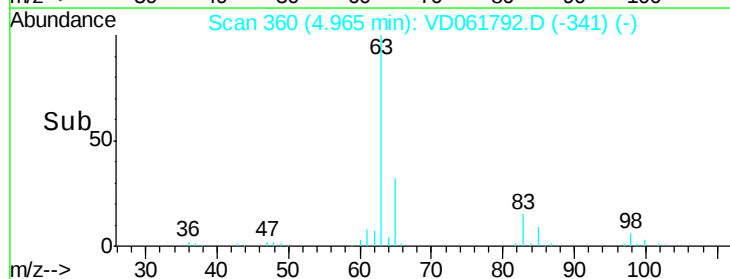
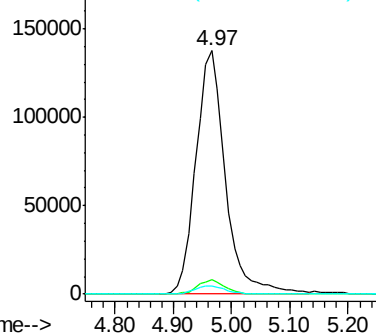


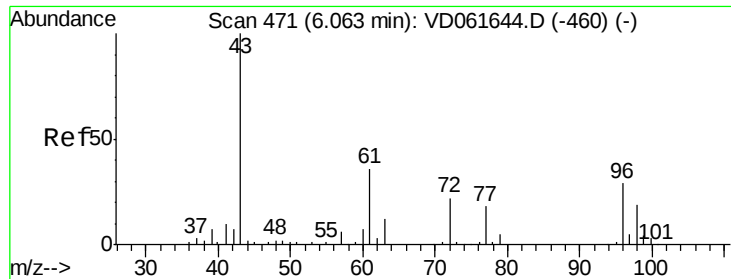
#24
 1,1-Dichloroethane
 Concen: 52.230 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 63 Resp: 486448
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 273.083 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

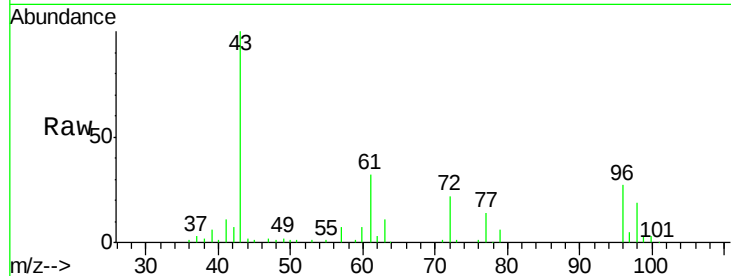
ClientSampleId :

Tot Ion: 43 Resp: 363692

Ion Ratio Lower Upper

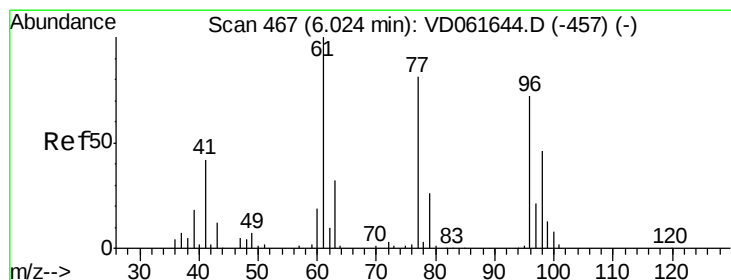
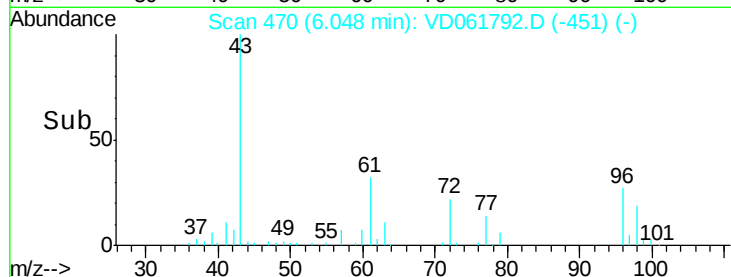
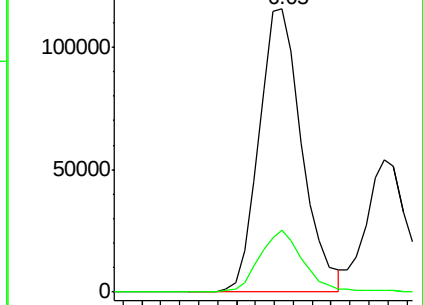
43 100

72 21.8 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.149 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD061792.D

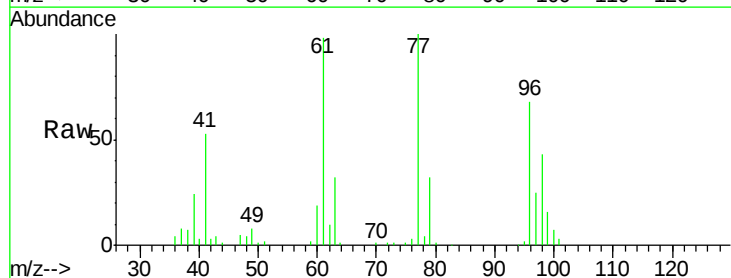
Acq: 12 Apr 2019 23:17

Tgt Ion: 77 Resp: 387895

Ion Ratio Lower Upper

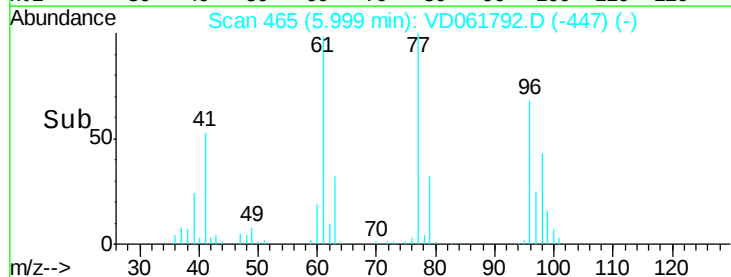
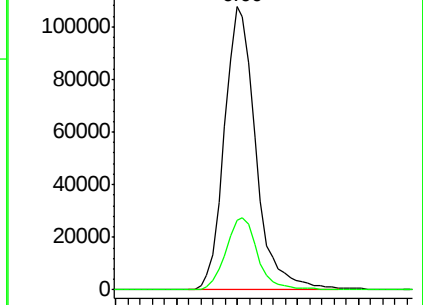
77 100

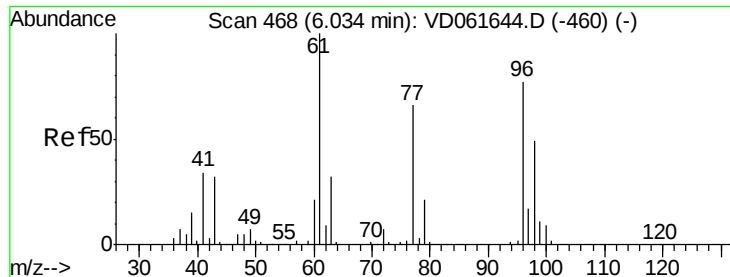
97 24.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



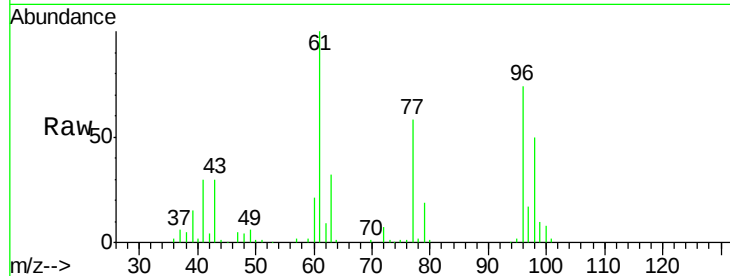


#27

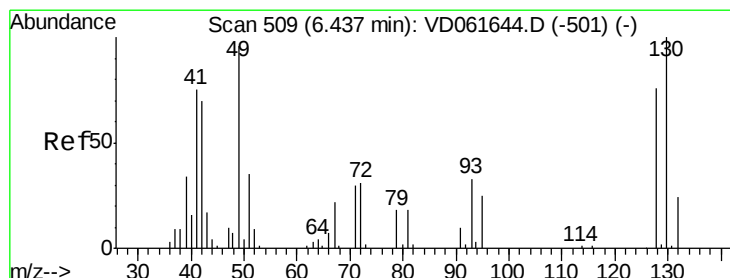
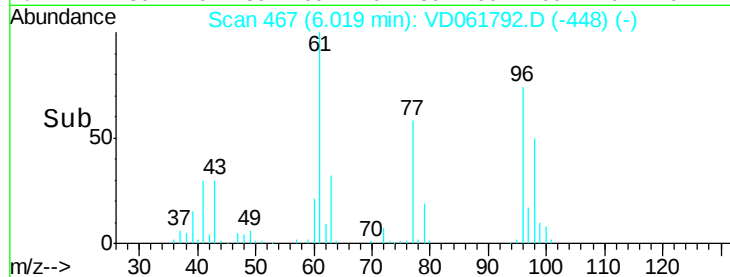
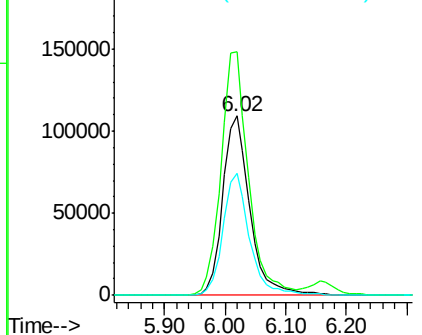
cis-1,2-Dichloroethene
 Concen: 55.290 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	340496
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	259.8
98	67.9	0.0	127.6



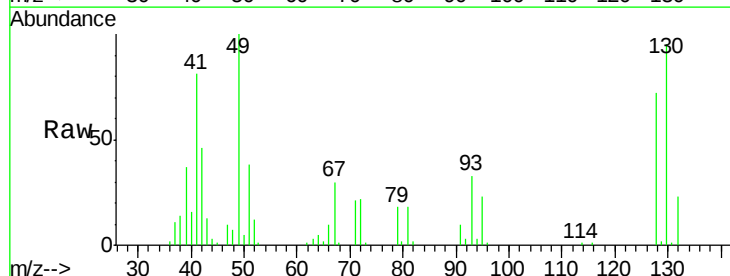
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



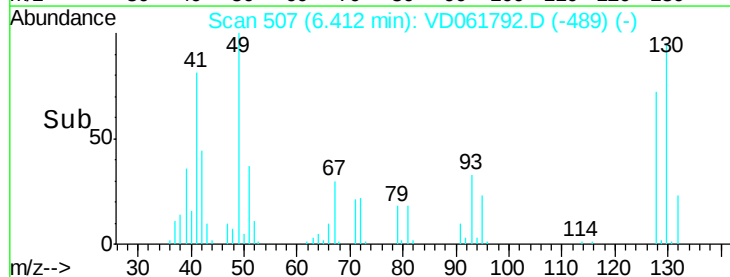
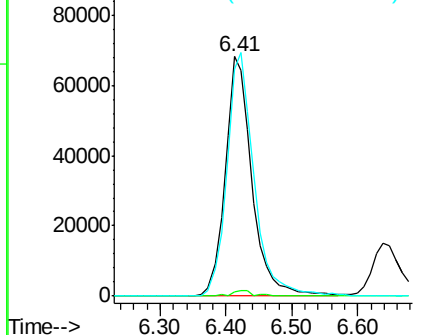
#28

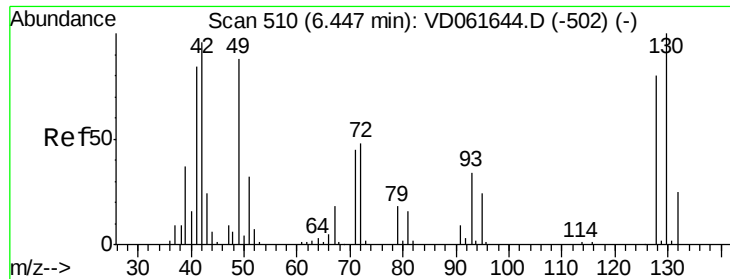
Bromochloromethane
 Concen: 56.352 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion	49	Resp	193608
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	95.0	83.3	124.9



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

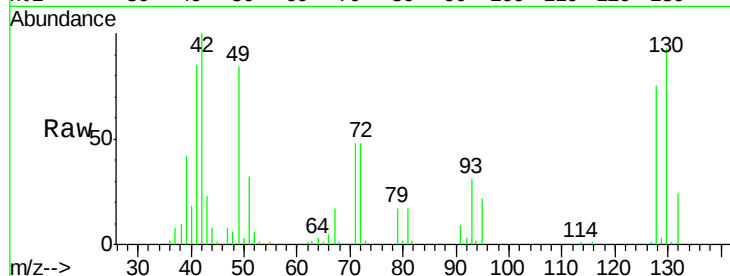




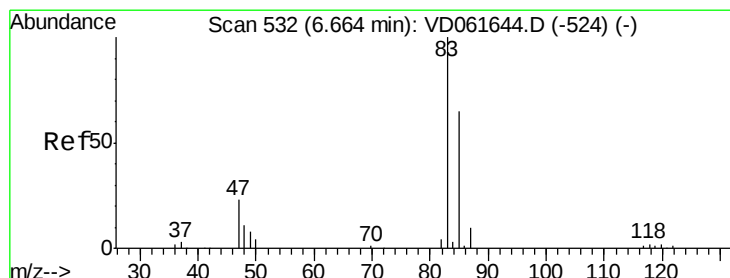
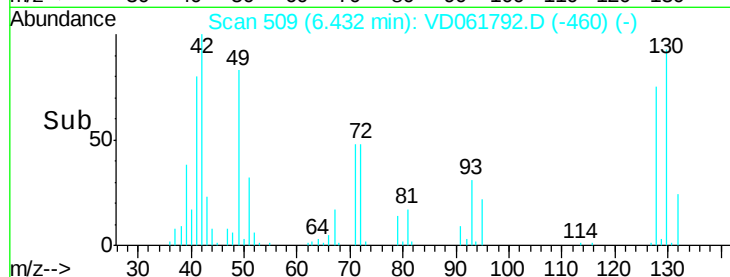
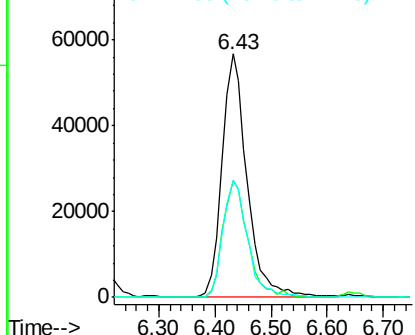
#29
Tetrahydrofuran
Concen: 275.339 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 177017
Ion Ratio Lower Upper
42 100
72 47.3 37.0 55.6
71 47.2 36.5 54.7

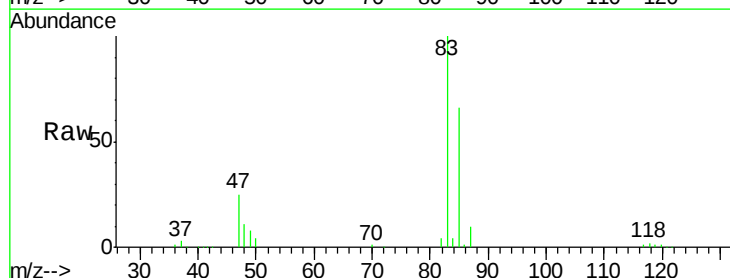


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

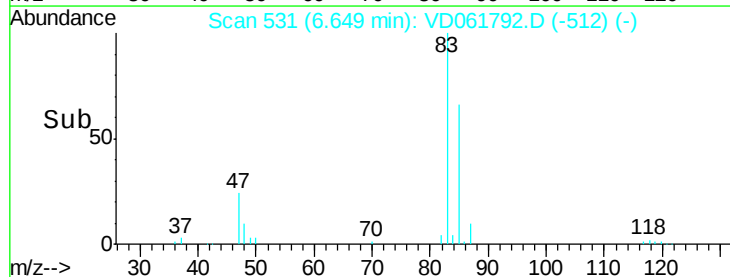
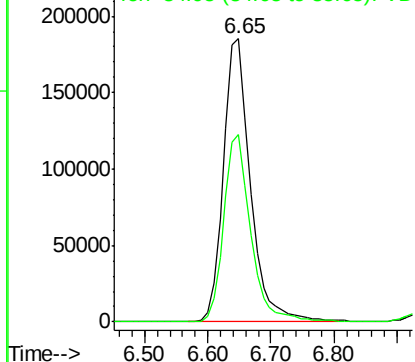


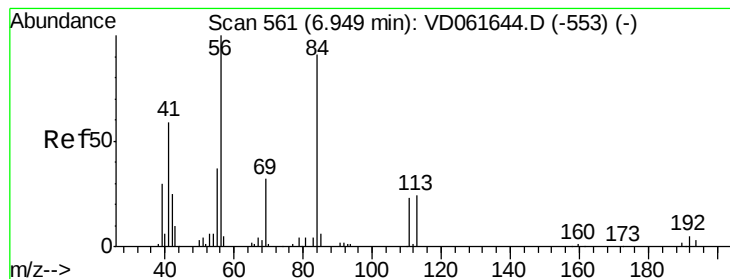
#30
Chloroform
Concen: 56.440 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 83 Resp: 550676
Ion Ratio Lower Upper
83 100
85 66.0 51.9 77.9



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





#31

Cvclohexane

Concen: 47.169 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

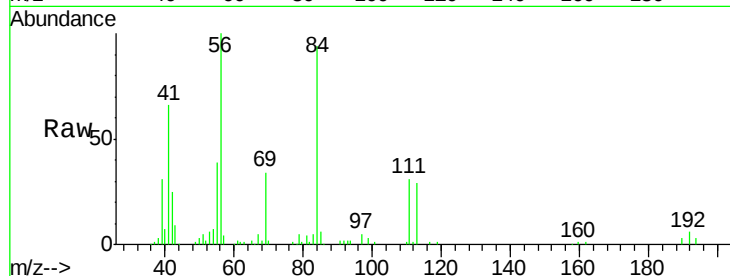
Tot Ion: 56 Resp: 343203

Ion Ratio Lower Upper

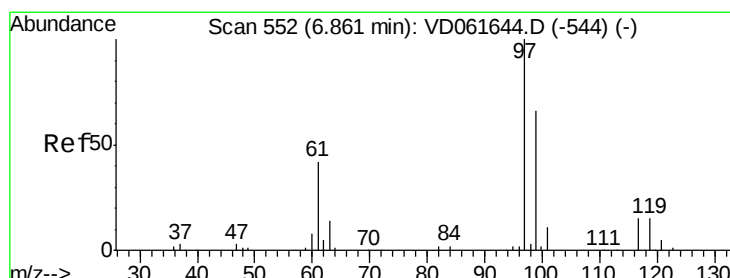
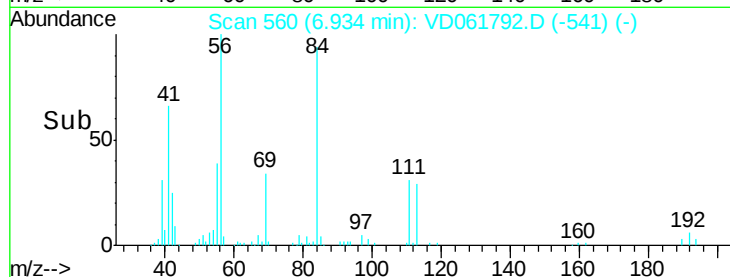
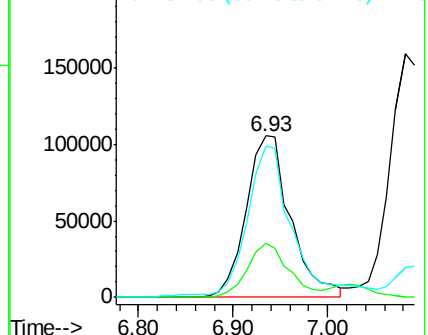
56 100

69 33.6 25.8 38.6

84 93.7 74.2 111.2



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: 53.732 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

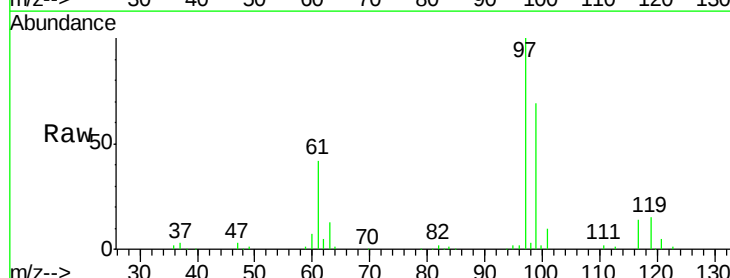
Tgt Ion: 97 Resp: 459419

Ion Ratio Lower Upper

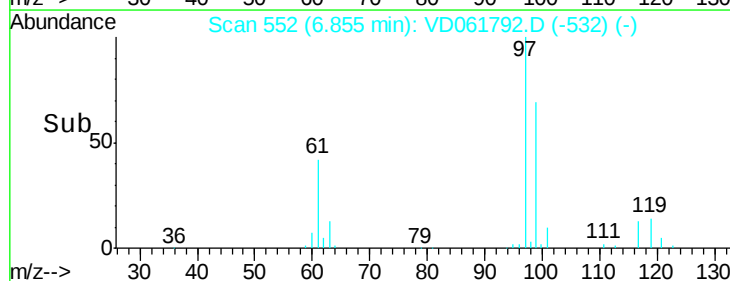
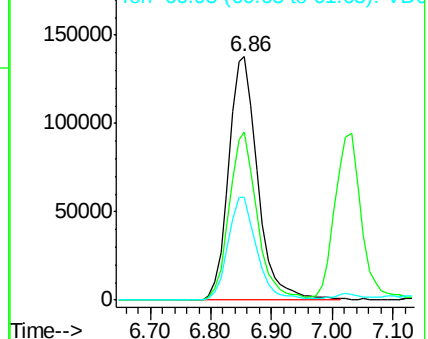
97 100

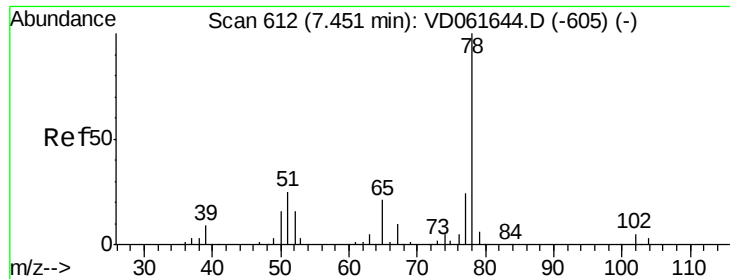
99 69.3 52.5 78.7

61 42.2 33.4 50.0



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: 53.732 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

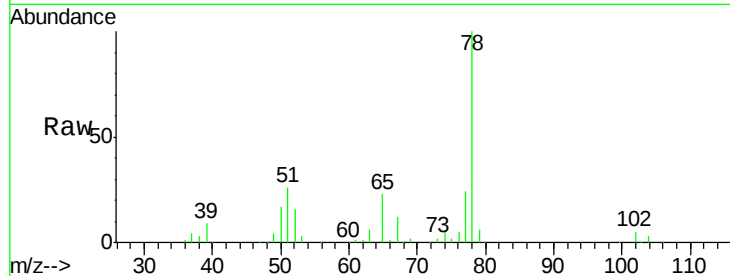
ClientSampleId :

Tot Ion: 65 Resp: 200651

Ion Ratio Lower Upper

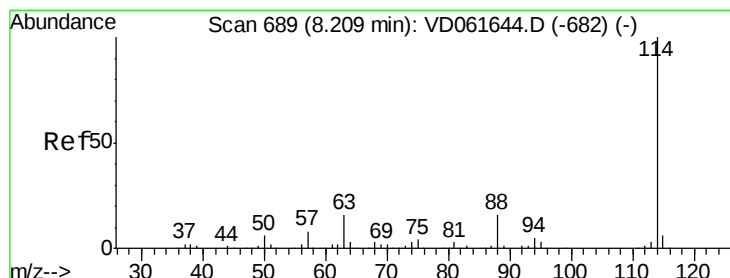
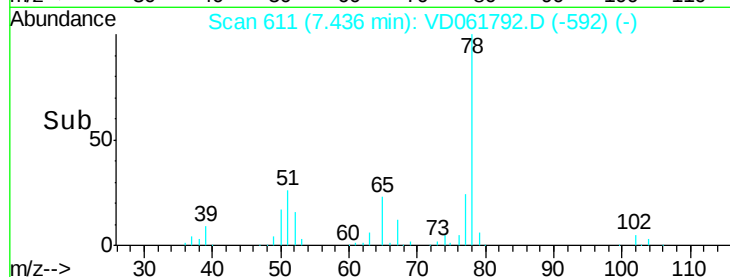
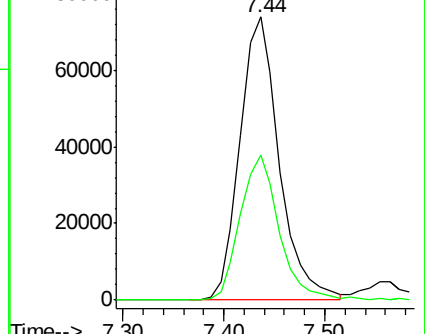
65 100

67 51.4 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

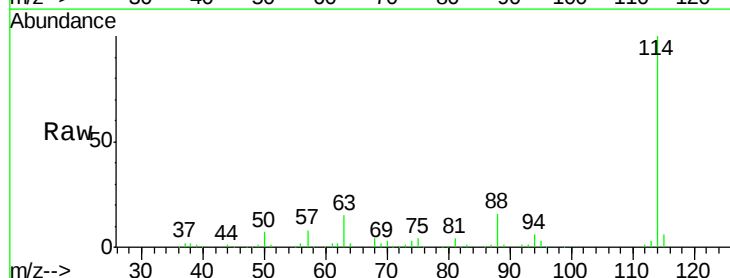
Tgt Ion: 114 Resp: 805227

Ion Ratio Lower Upper

114 100

63 15.2 0.0 31.2

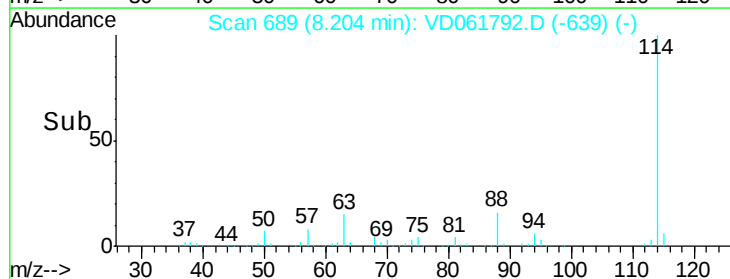
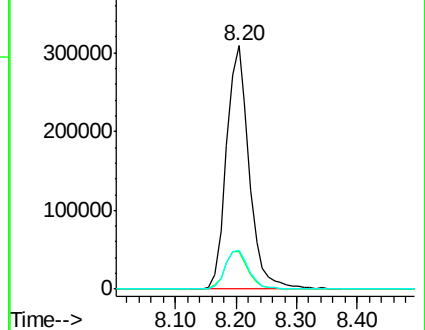
88 16.1 0.0 31.8

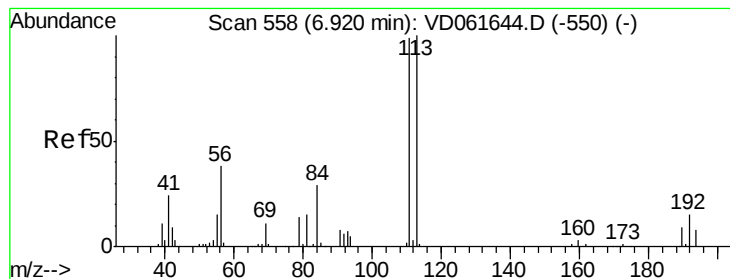


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampled :

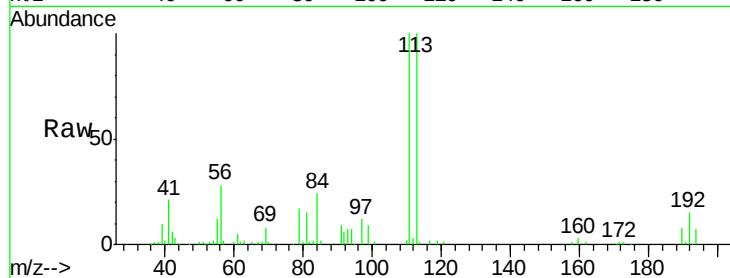
Tot Ion:113 Resp: 295468

Ion Ratio Lower Upper

113 100

111 100.2 79.3 118.9

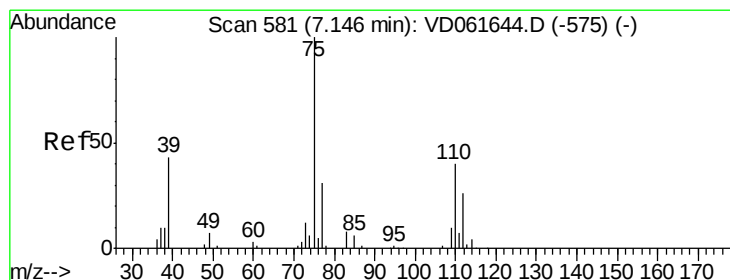
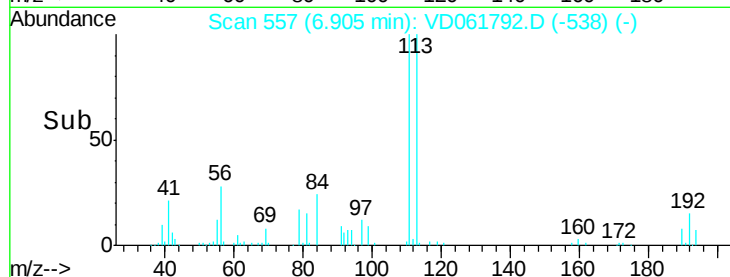
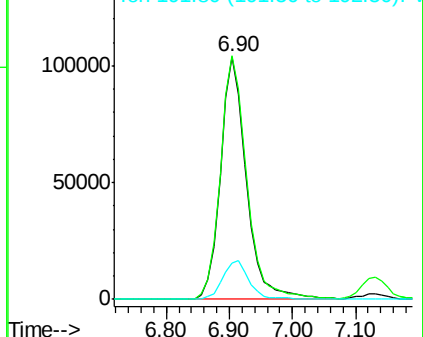
192 14.9 12.3 18.5



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: 55.563 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

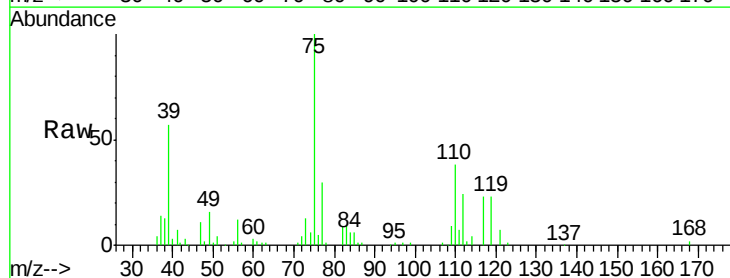
Tgt Ion: 75 Resp: 391562

Ion Ratio Lower Upper

75 100

110 37.8 19.7 59.0

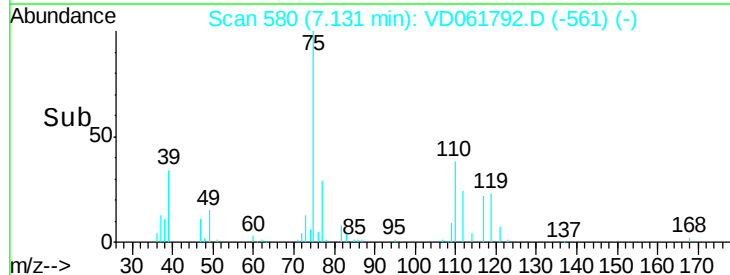
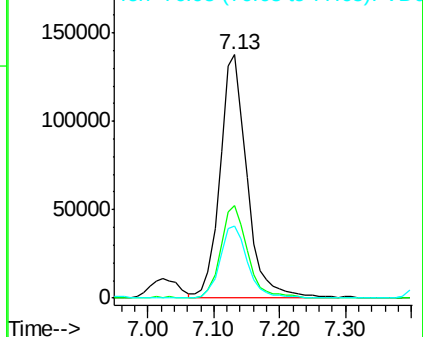
77 29.9 24.8 37.2

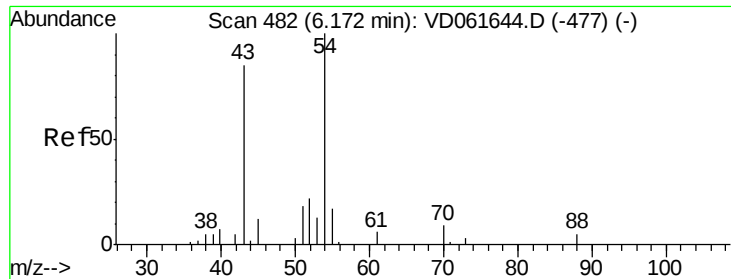


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

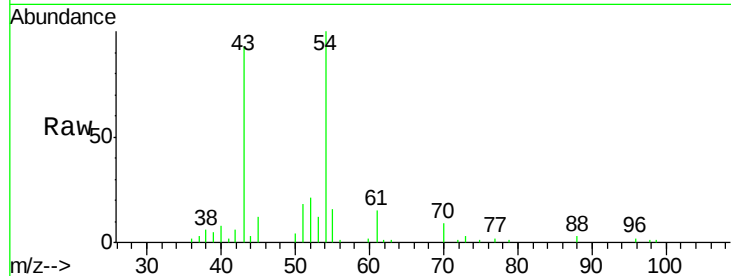




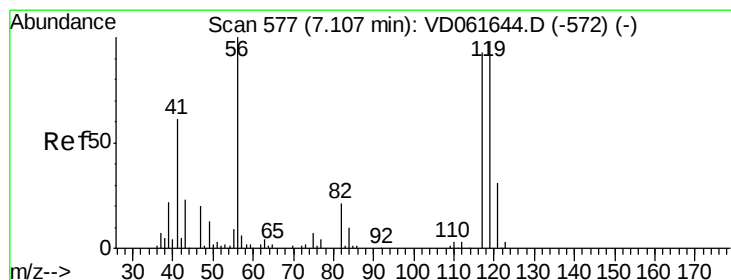
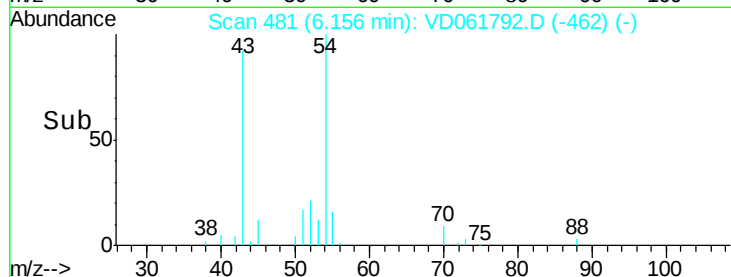
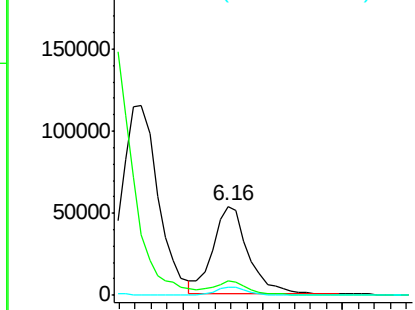
#37
Ethyl Acetate
Concen: 58.263 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 167238
Ion Ratio Lower Upper
43 100
61 15.9 11.9 17.9
70 9.8 6.9 10.3

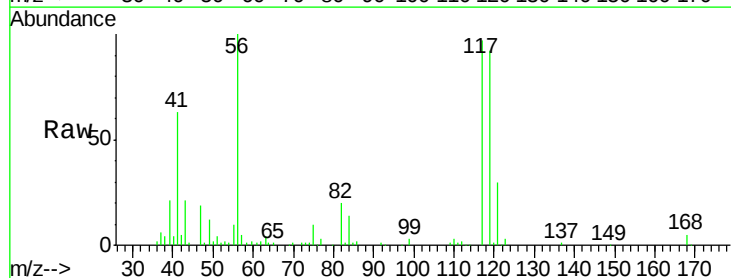


Abundance Ion 42.95 (42.65 to 43.65): VD061644.D (-477) (-)
Ion 60.95 (60.65 to 61.65): VD061644.D (-477) (-)
Ion 70.00 (69.70 to 70.70): VD061644.D (-477) (-)

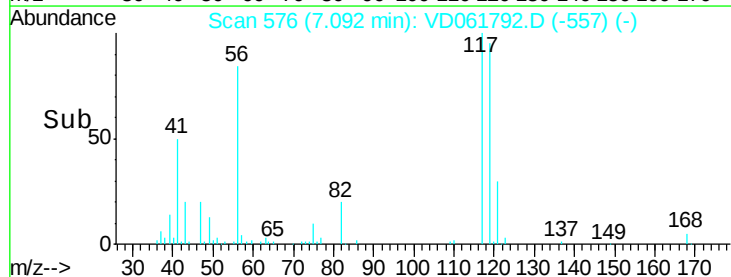
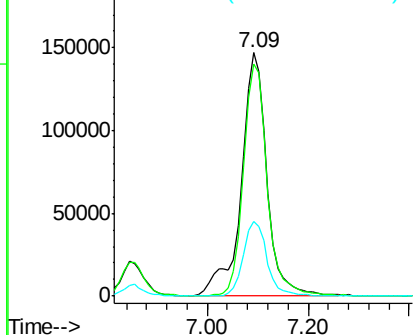


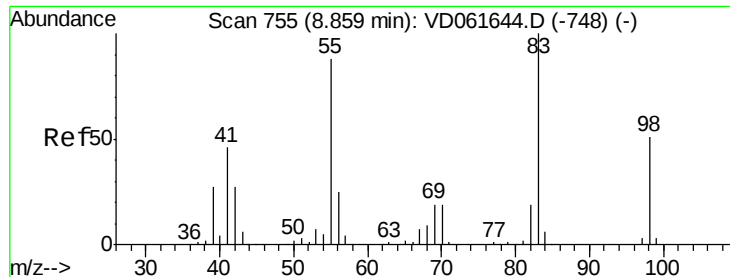
#38
Carbon Tetrachloride
Concen: 63.324 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 117 Resp: 523012
Ion Ratio Lower Upper
117 100
119 95.1 77.9 116.9
121 30.6 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): VD061644.D (-572) (-)
Ion 118.85 (118.55 to 119.55): VD061644.D (-572) (-)
Ion 120.85 (120.55 to 121.55): VD061644.D (-572) (-)

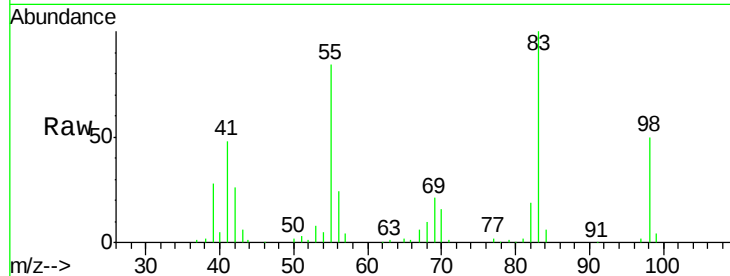




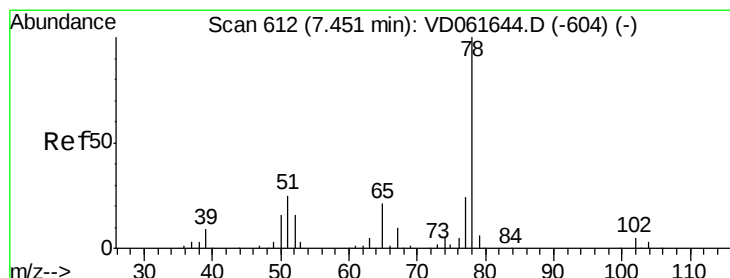
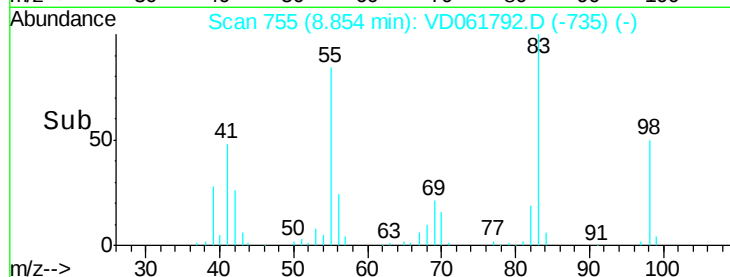
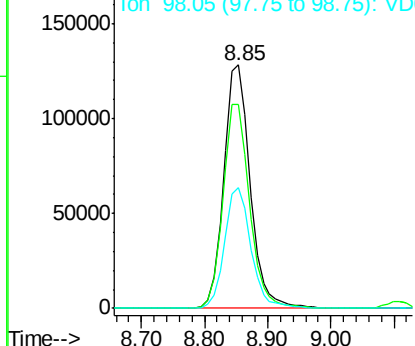
#39
Methvlcvclohexane
Concen: 51.355 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 371561
Ion Ratio Lower Upper
83 100
55 84.0 70.3 105.5
98 49.6 41.0 61.6

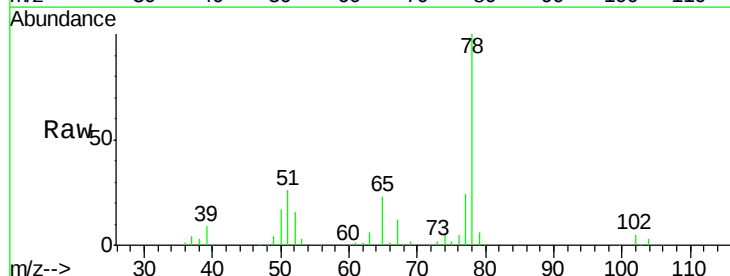


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

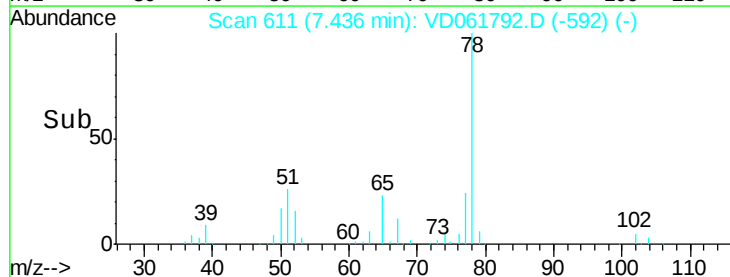
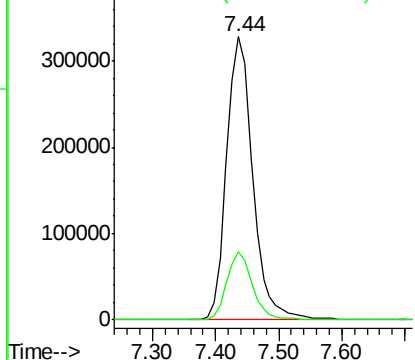


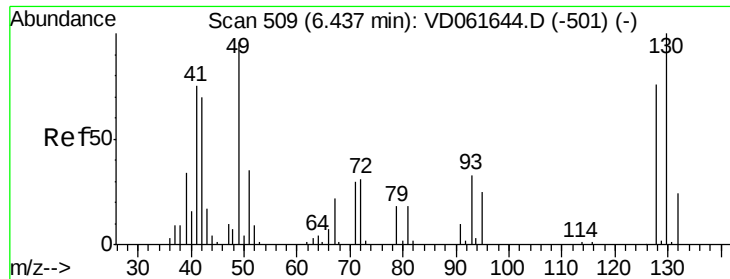
#40
Benzene
Concen: 55.578 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 78 Resp: 944888
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3



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

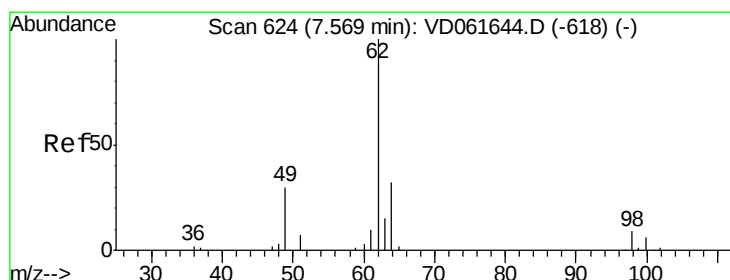
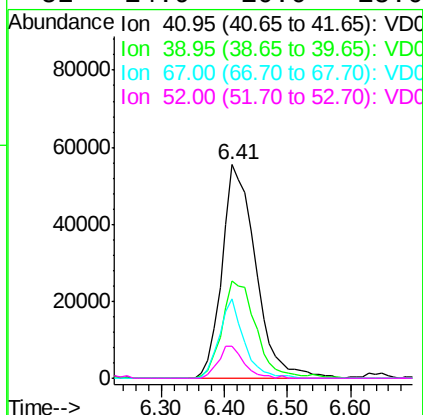
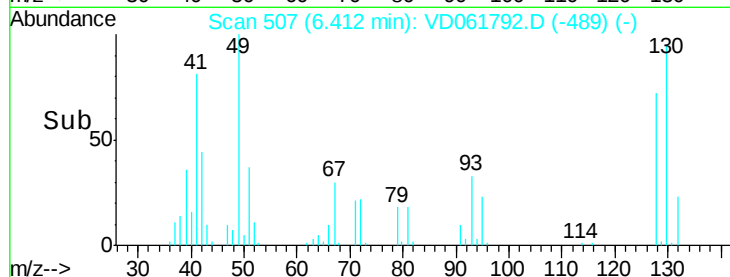
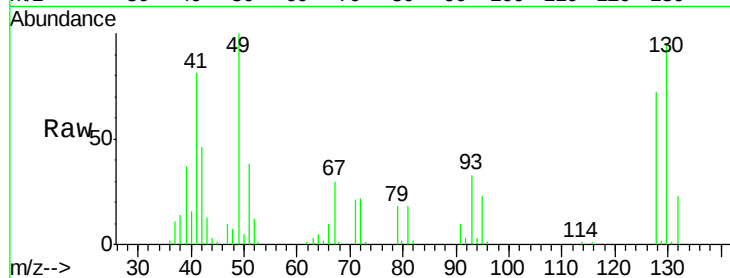




#41
Methacrylonitrile
Concen: 61.548 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

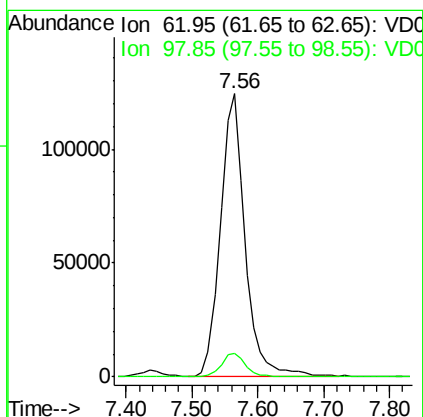
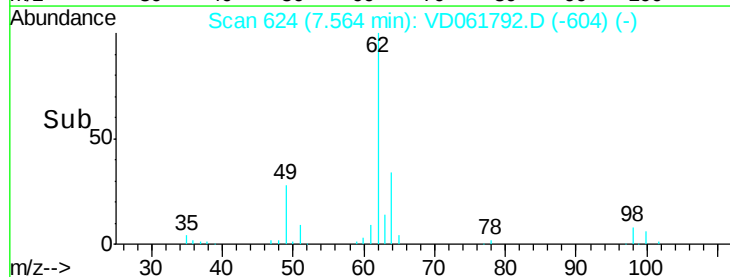
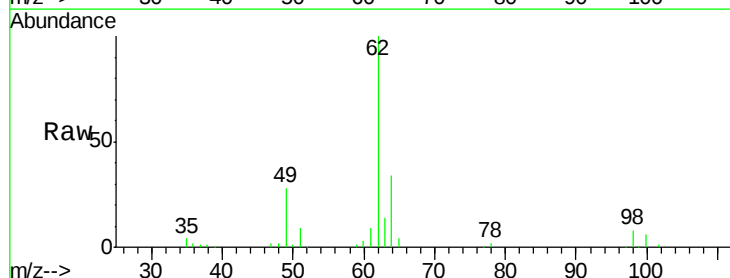
Instrument :
MSVOA_D
ClientSampled :

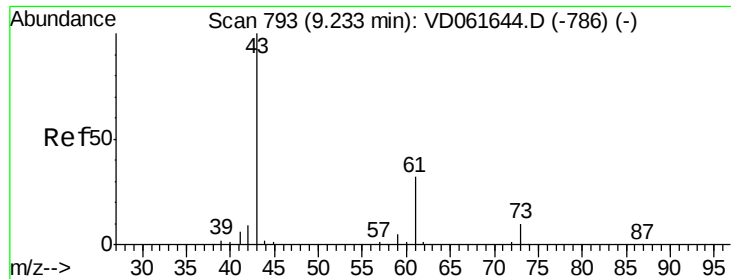
Tot Ion	Ratio	Lower	Upper
41	100		
39	45.3	36.2	54.2
67	37.1	23.2	34.8
52	14.9	10.0	15.0



#42
1,2-Dichloroethane
Concen: 60.937 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8

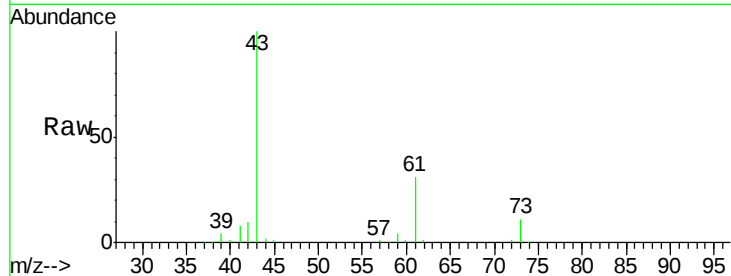




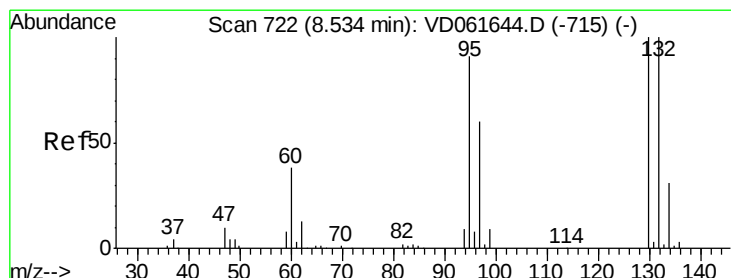
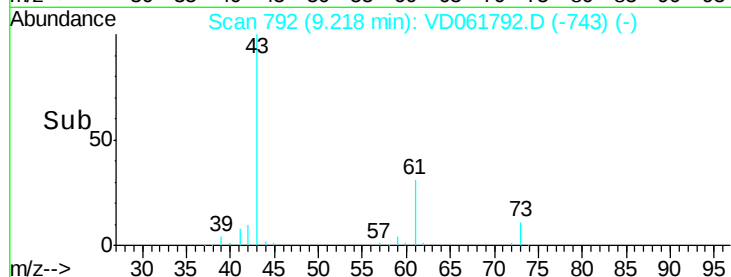
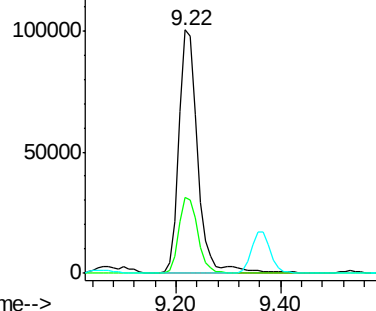
#43
Isopropyl Acetate
Concen: 60.809 ug/l
RT: 9.22 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 253320
Ion Ratio Lower Upper
43 100
61 31.3 25.9 38.9
87 0.0 0.2 0.4#

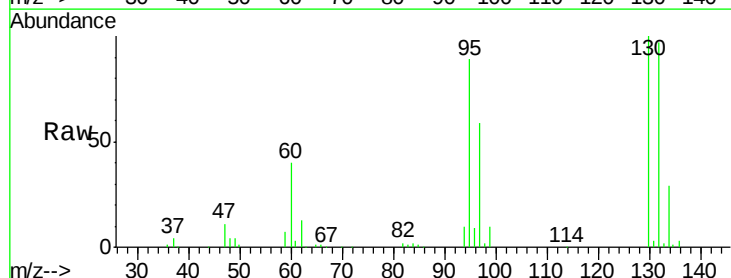


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

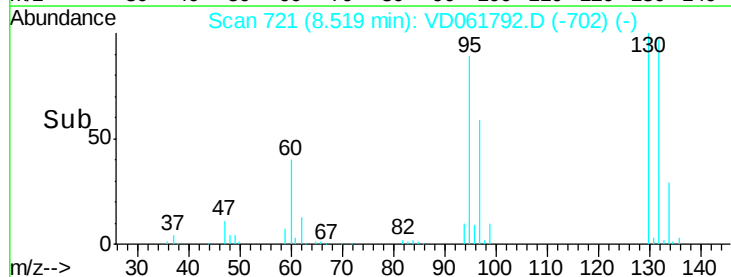
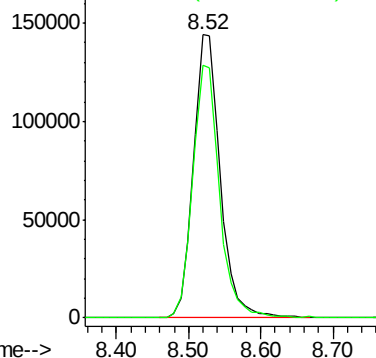


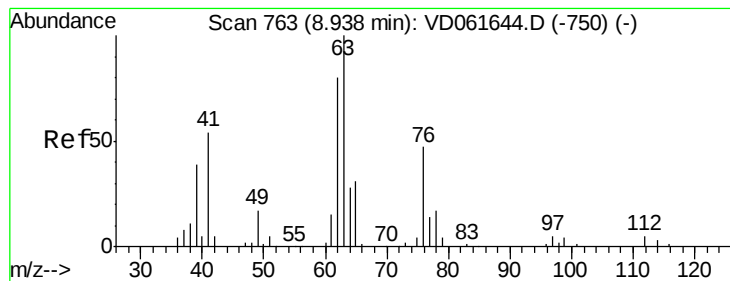
#44
Trichloroethene
Concen: 56.771 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:130 Resp: 370019
Ion Ratio Lower Upper
130 100
95 89.5 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 59.508 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

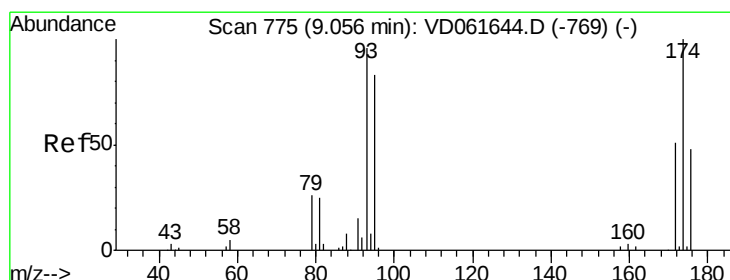
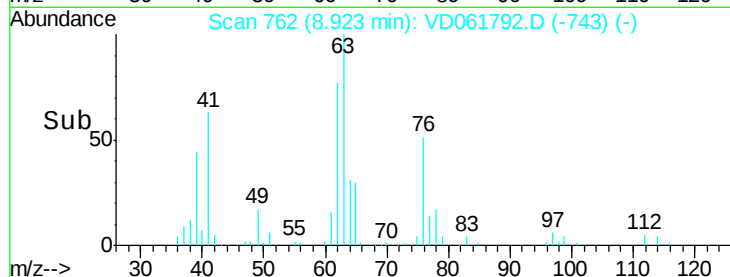
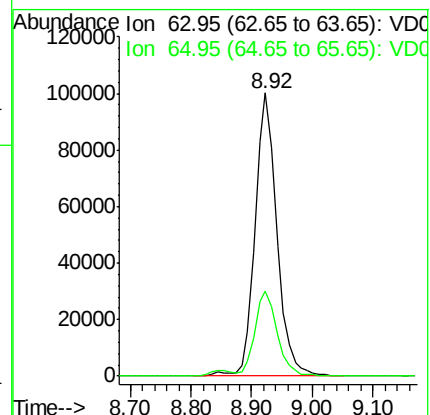
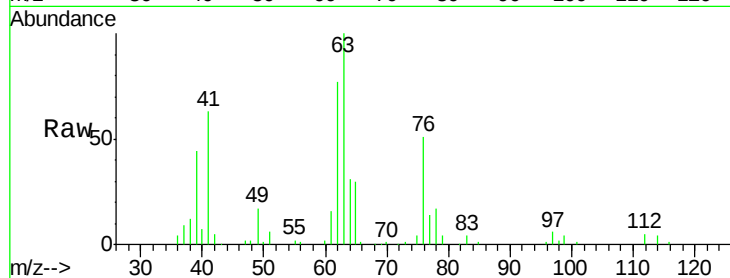
ClientSampleId :

Tot Ion: 63 Resp: 250900

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



#46

Dibromomethane

Concen: 60.424 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

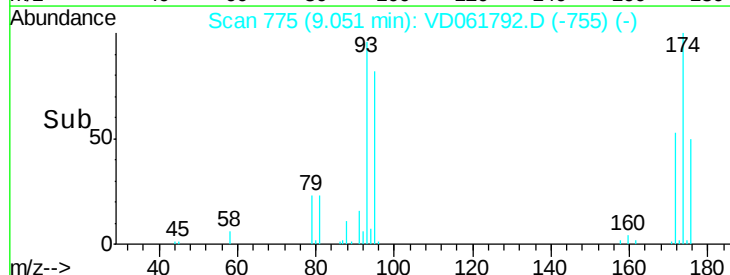
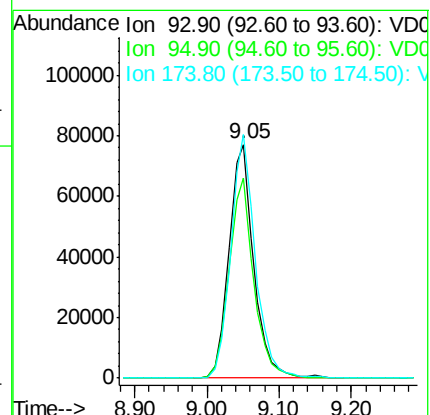
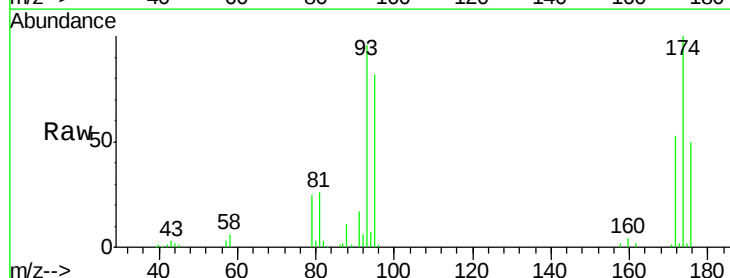
Tgt Ion: 93 Resp: 182076

Ion Ratio Lower Upper

93 100

95 85.7 68.6 103.0

174 104.3 83.0 124.4





#47

Bromodichloromethane

Concen: 61.421 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

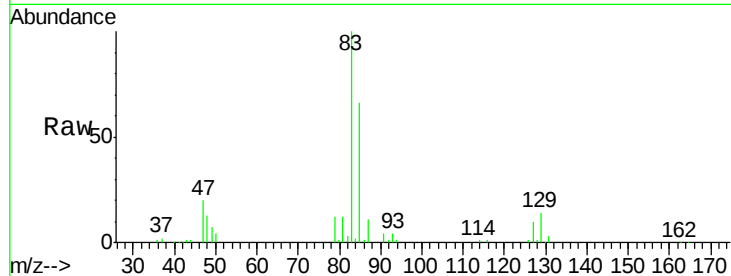
Tot Ion: 83 Resp: 406495

Ion Ratio Lower Upper

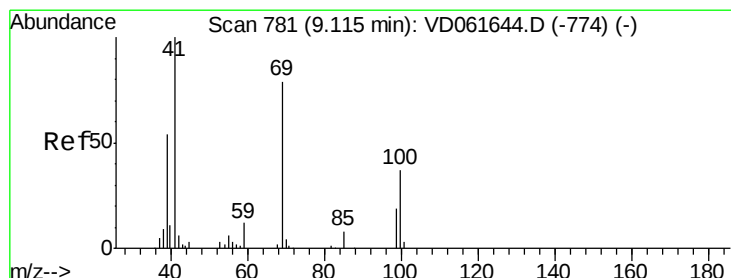
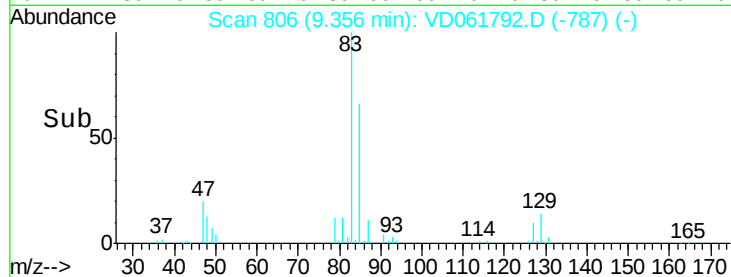
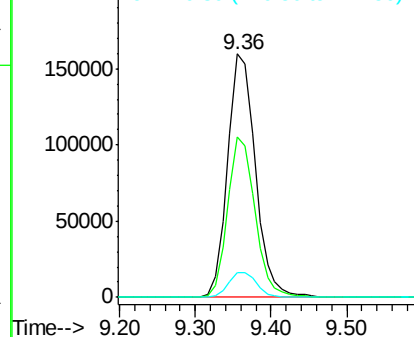
83 100

85 65.8 51.8 77.6

127 9.9 9.0 13.6



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



#48

Methyl methacrylate

Concen: 56.846 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

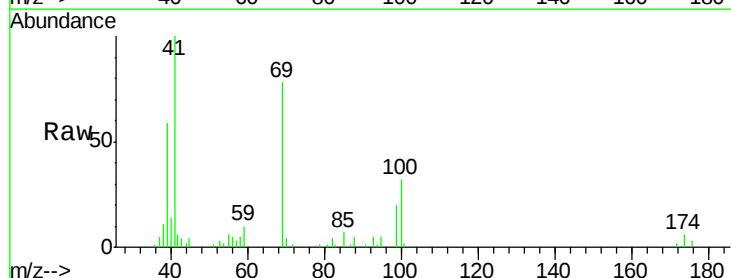
Tgt Ion: 41 Resp: 136507

Ion Ratio Lower Upper

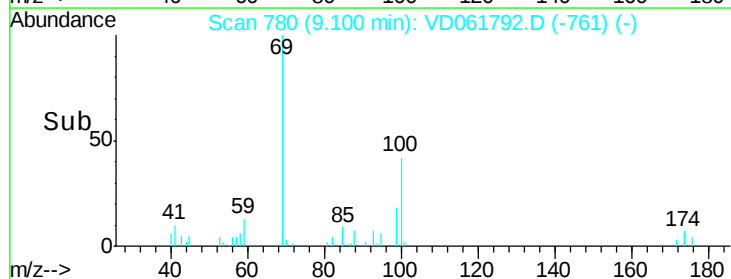
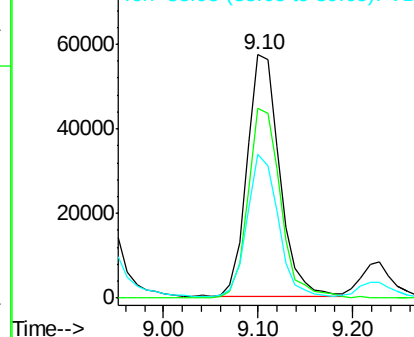
41 100

69 78.0 63.1 94.7

39 59.3 43.8 65.8



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

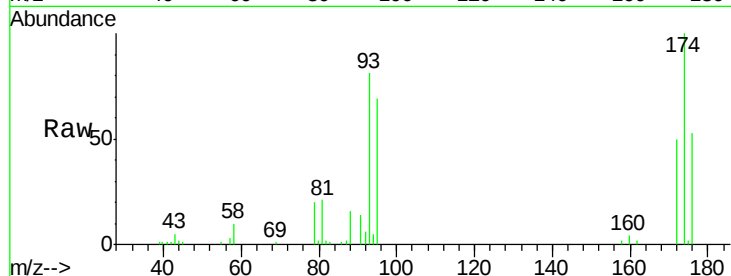




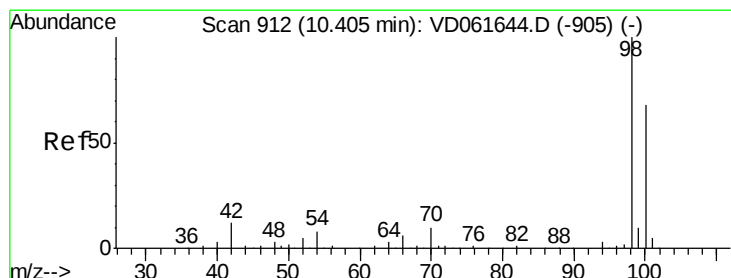
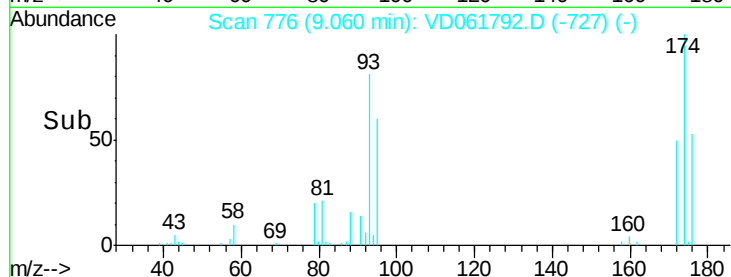
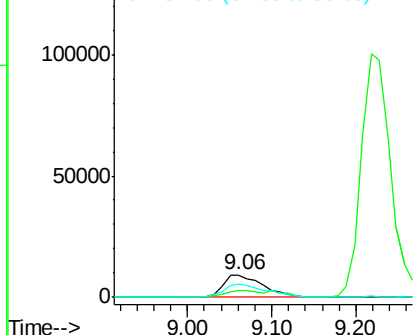
#49
1,4-Dioxane
Concen: 1151.527 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 30522
Ion Ratio Lower Upper
88 100
43 27.9 21.8 32.8
58 60.6 40.2 60.2#

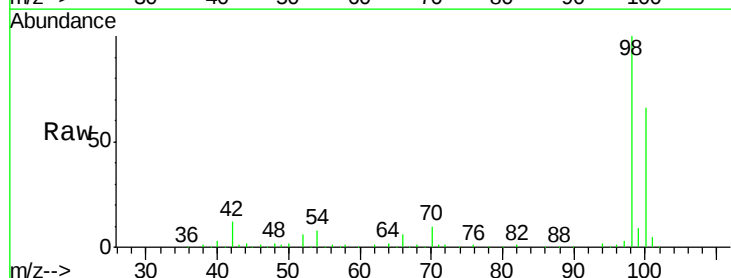


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

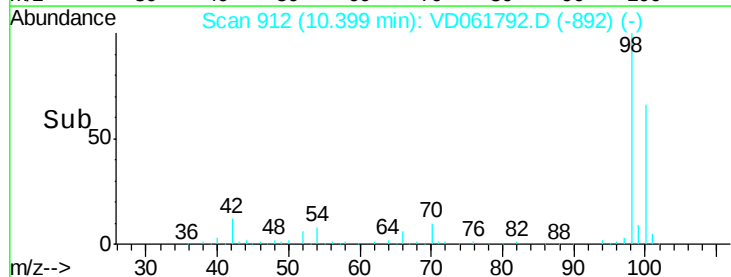
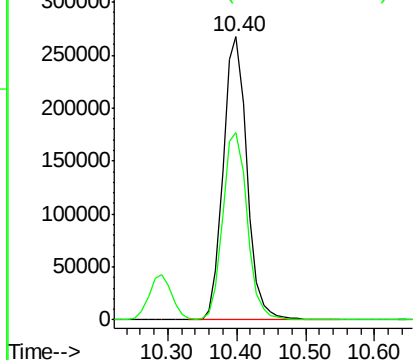


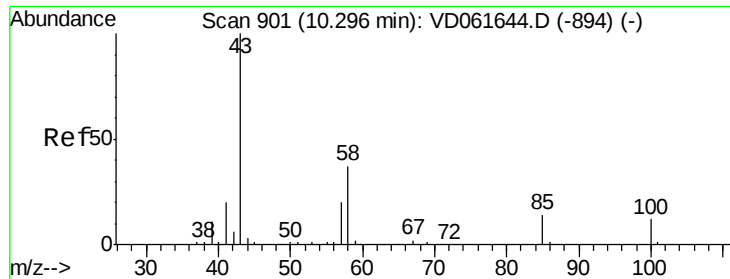
#50
Toluene-d8
Concen: 1151.527 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 98 Resp: 638349
Ion Ratio Lower Upper
98 100
100 66.3 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 319.563 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

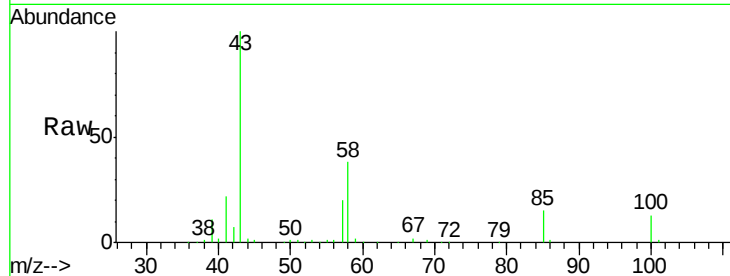
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 787294

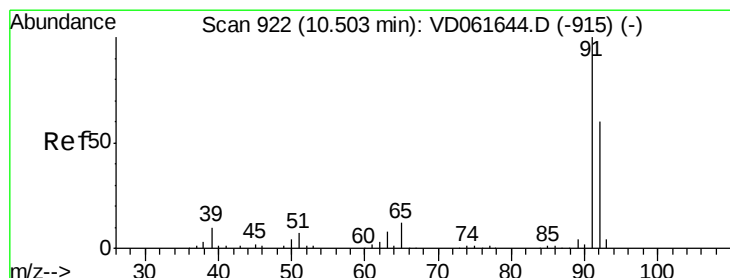
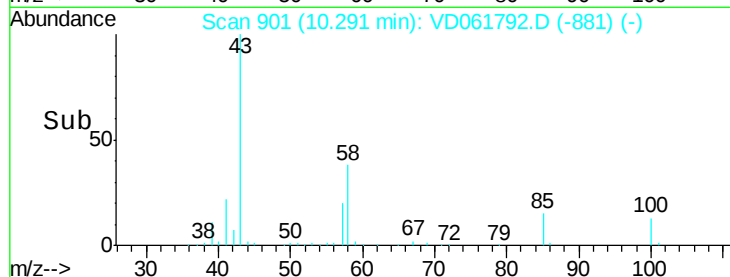
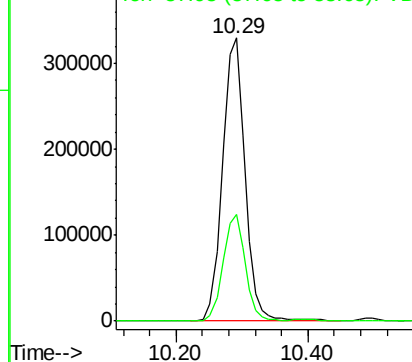
Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8



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



#52

Toluene

Concen: 55.199 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061792.D

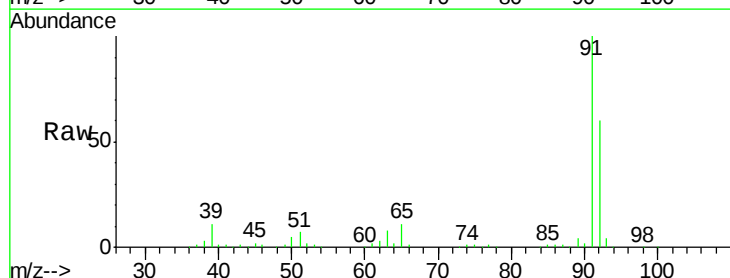
Acq: 12 Apr 2019 23:17

Tgt Ion: 92 Resp: 586007

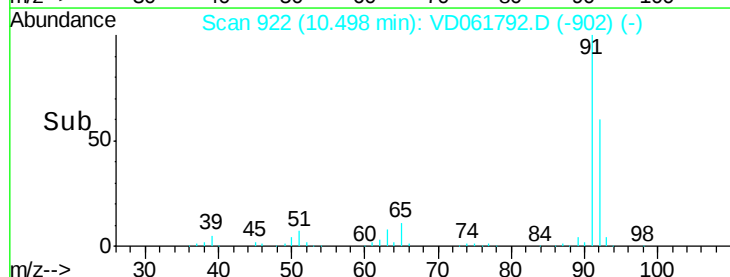
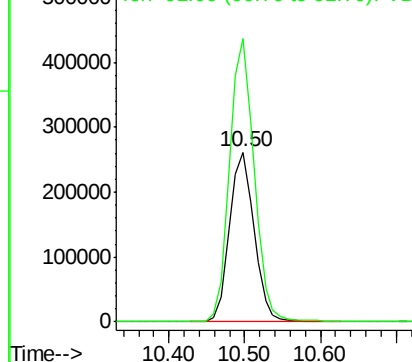
Ion Ratio Lower Upper

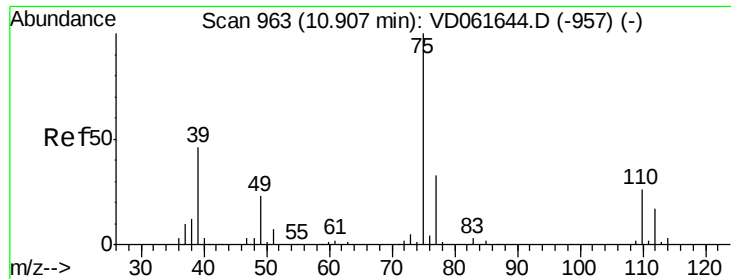
92 100

91 167.0 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

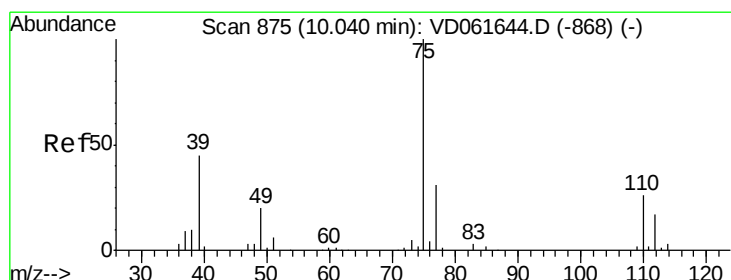
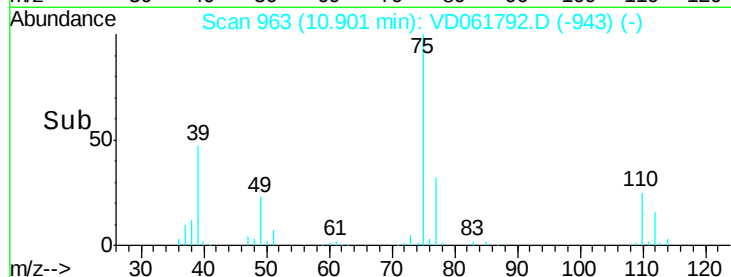
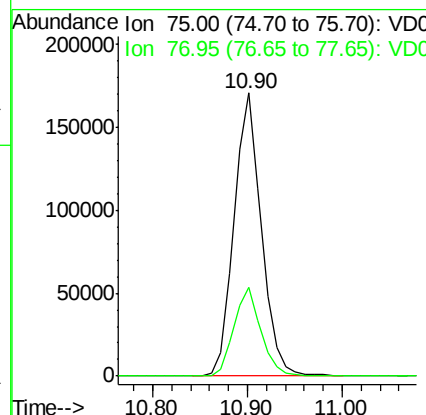
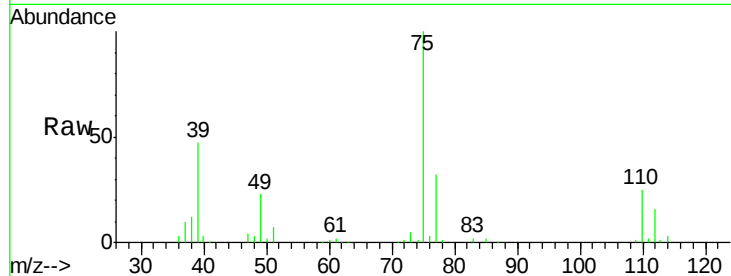




#53
 t-1,3-Dichloropropene
 Concen: 58.667 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

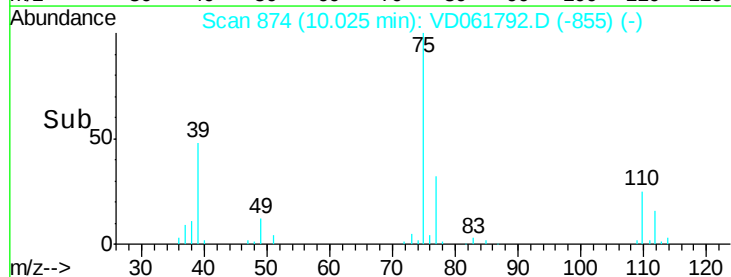
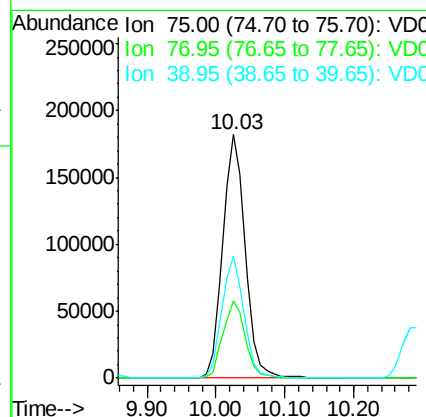
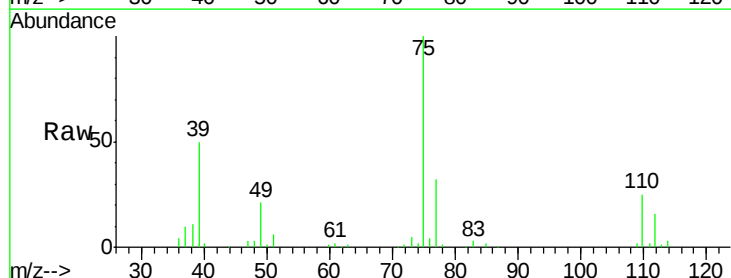
Instrument :
 MSVOA_D
 ClientSampleId :

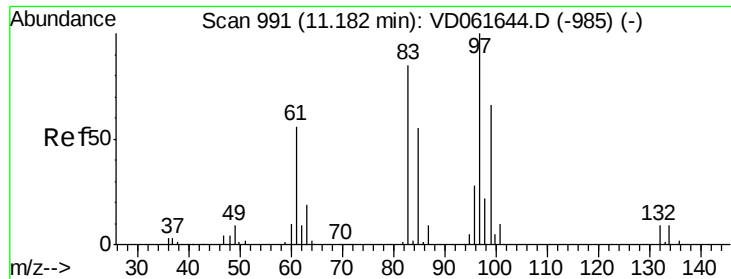
Tot Ion: 75 Resp: 340344
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 57.168 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 75 Resp: 408829
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0
 39 50.3 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 56.133 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 200988

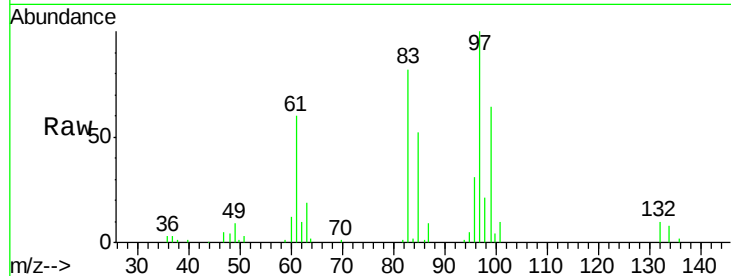
Ion Ratio Lower Upper

97 100

83 82.1 67.8 101.6

85 52.5 43.8 65.8

99 63.6 52.8 79.2

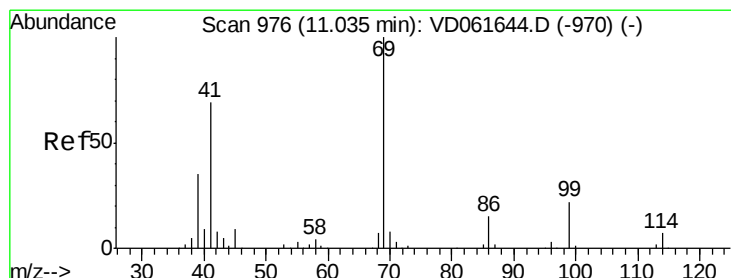
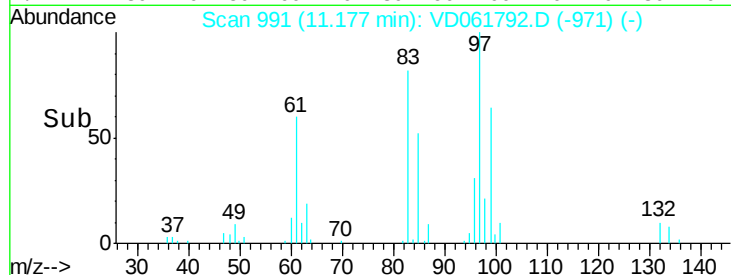
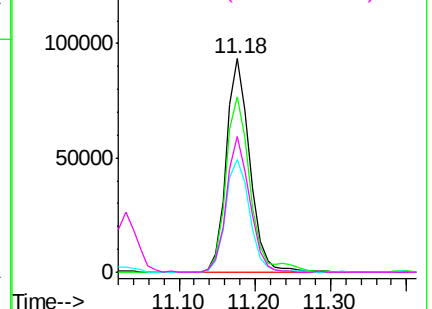


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 63.031 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

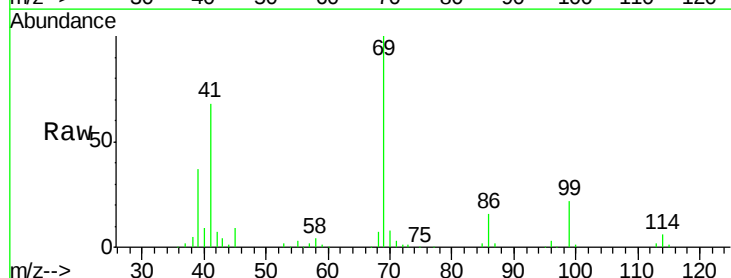
Tgt Ion: 69 Resp: 238084

Ion Ratio Lower Upper

69 100

41 68.3 55.2 82.8

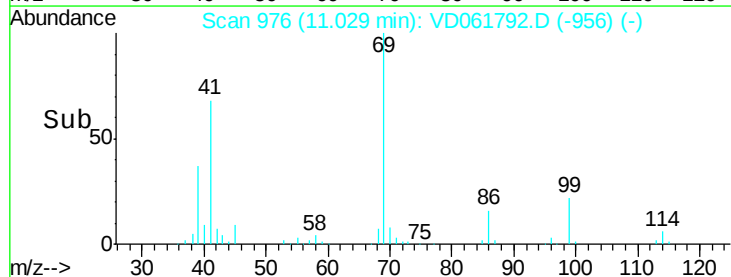
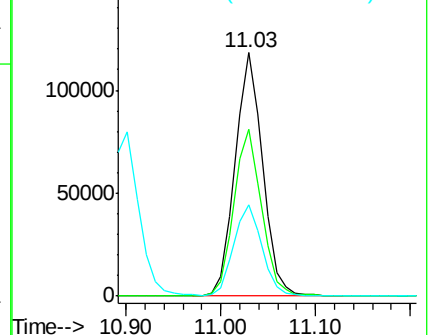
39 37.4 28.6 43.0

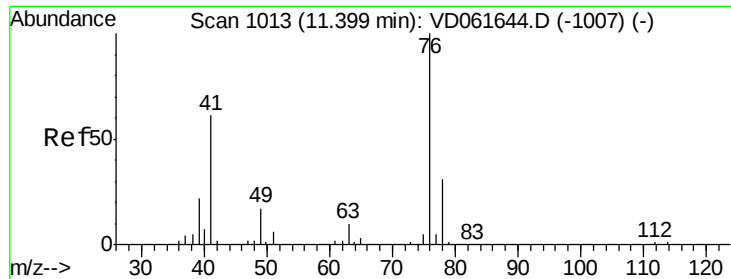


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

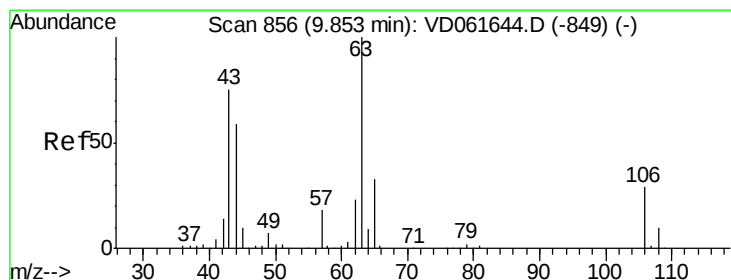
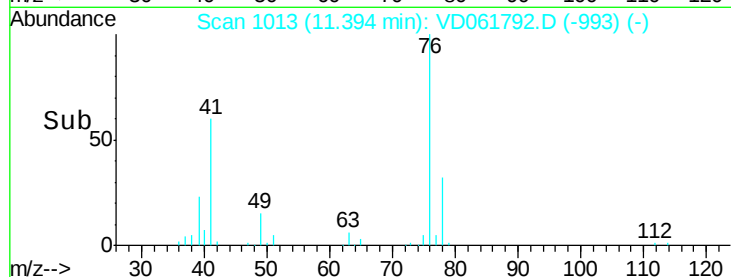
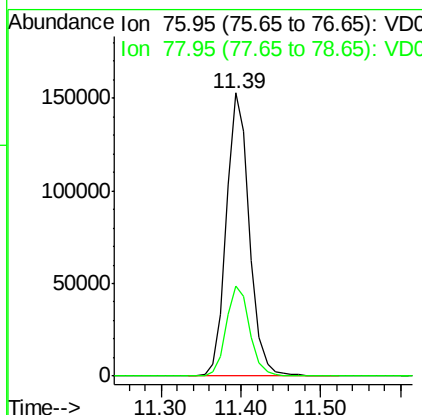
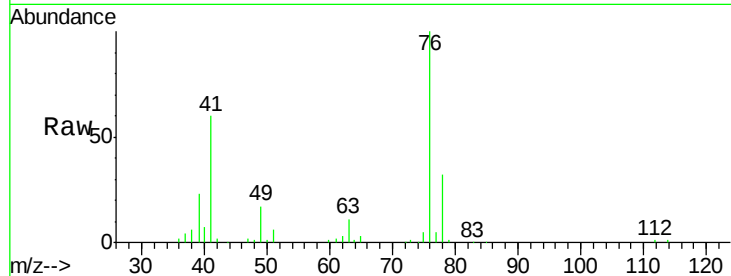




#57
 1,3-Dichloropropane
 Concen: 59.207 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

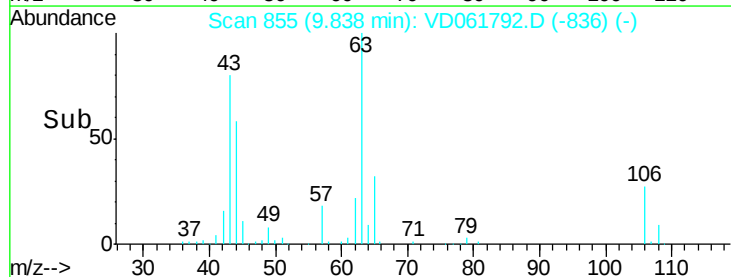
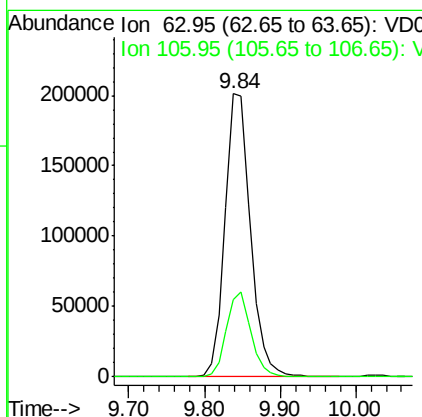
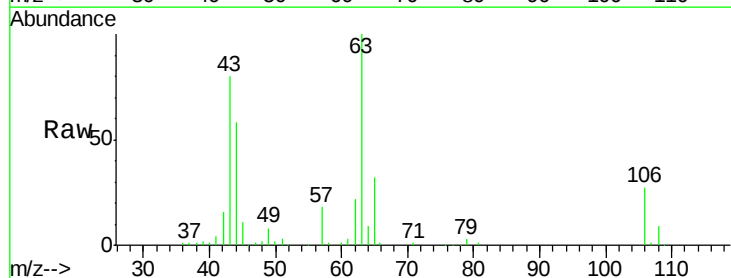
Instrument :
 MSVOA_D
 ClientSampleId :

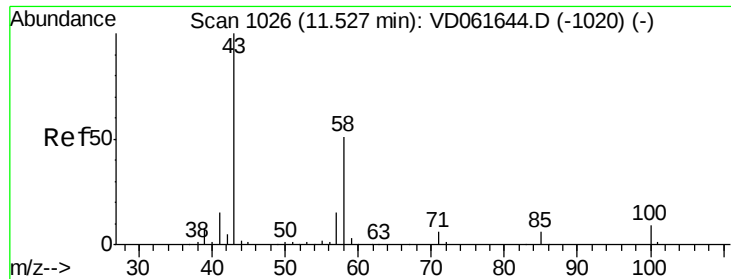
Tot Ion: 76 Resp: 310457
 Ion Ratio Lower Upper
 76 100
 78 31.7 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.192 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 63 Resp: 469082
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.0 34.6

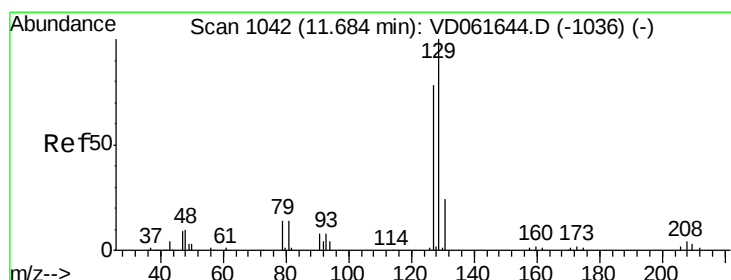
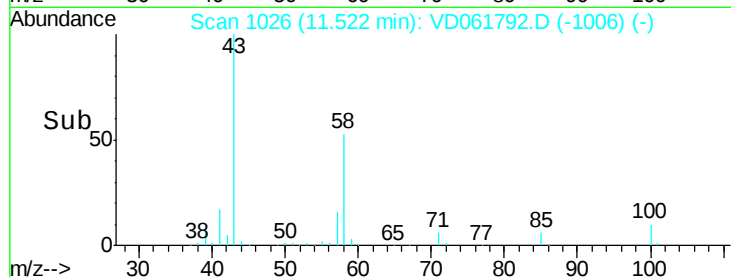
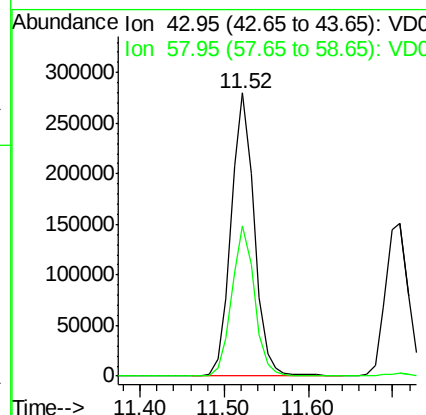
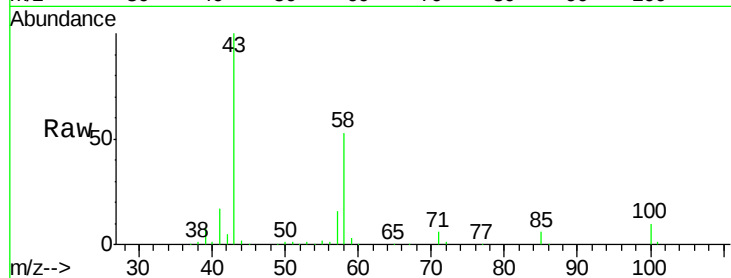




#59
2-Hexanone
Concen: 279.103 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

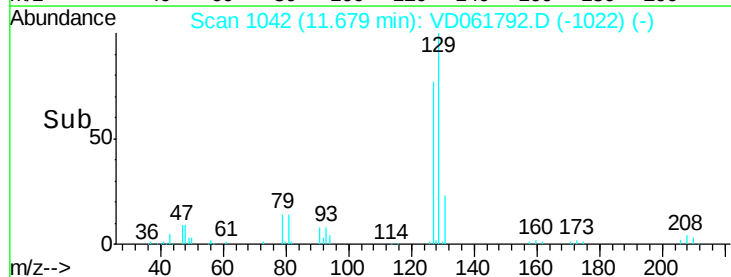
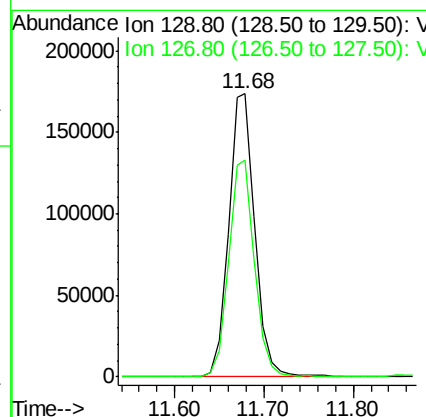
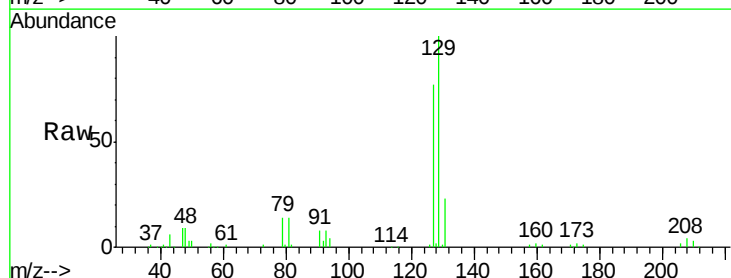
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 533644
Ion Ratio Lower Upper
43 100
58 53.2 25.6 76.8



#60
Dibromochloromethane
Concen: 63.064 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:129 Resp: 356753
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.4

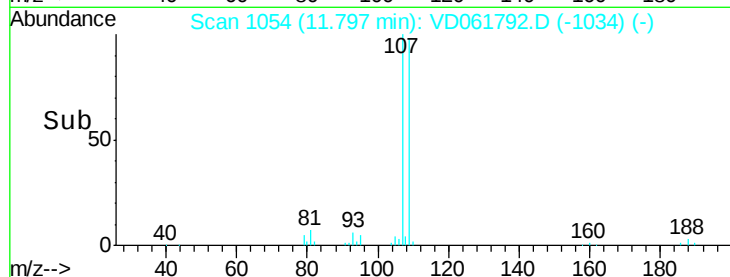
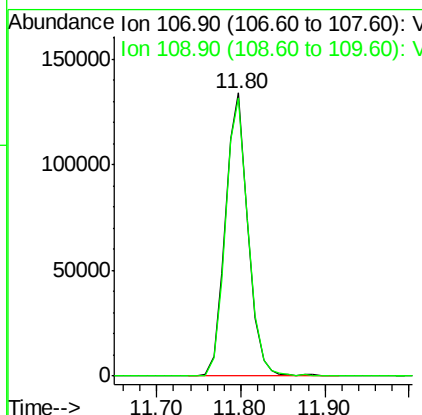
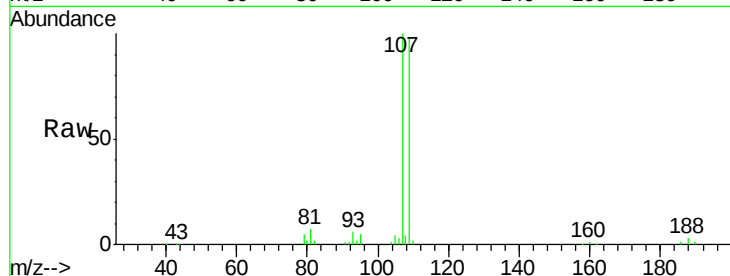




#61
 1,2-Dibromoethane
 Concen: 59.371 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

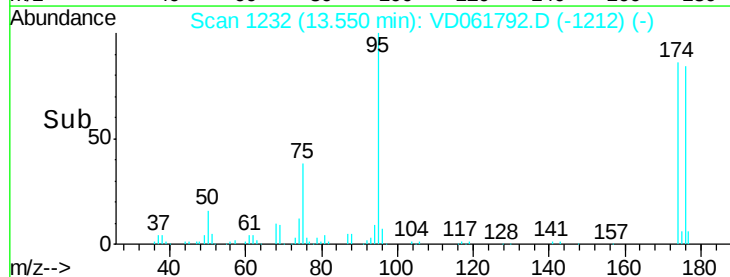
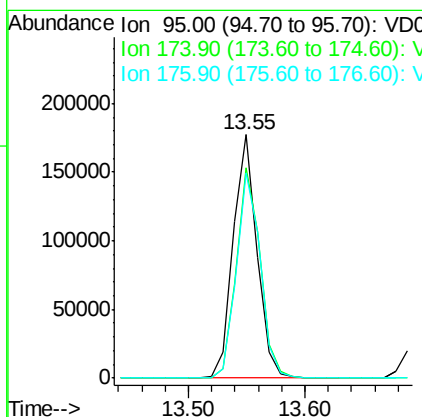
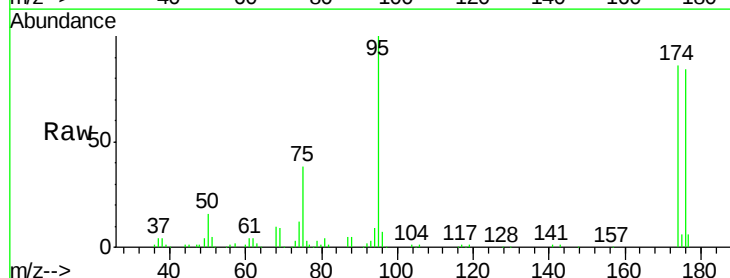
Instrument :
 MSVOA_D
 ClientSampleId :

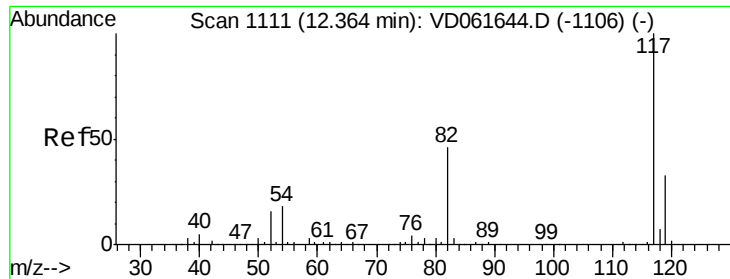
Tot Ion: 107 Resp: 248609
 Ion Ratio Lower Upper
 107 100
 109 98.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 59.371 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 95 Resp: 250016
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 164.6
 176 84.0 0.0 165.0

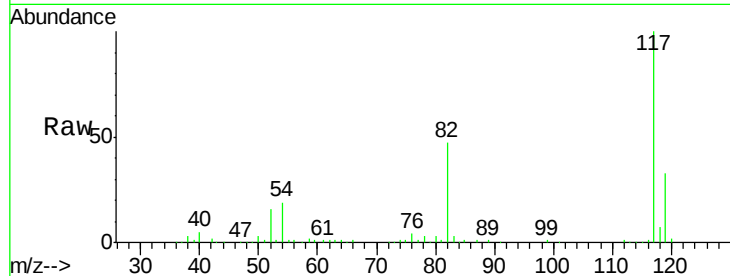




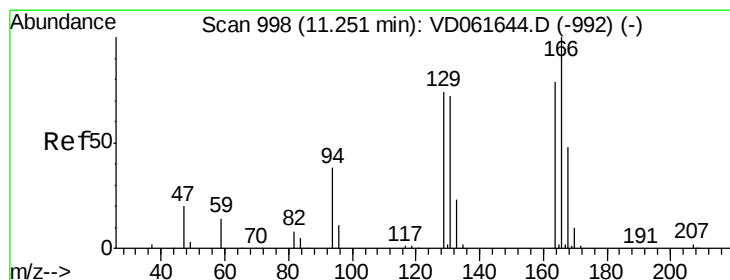
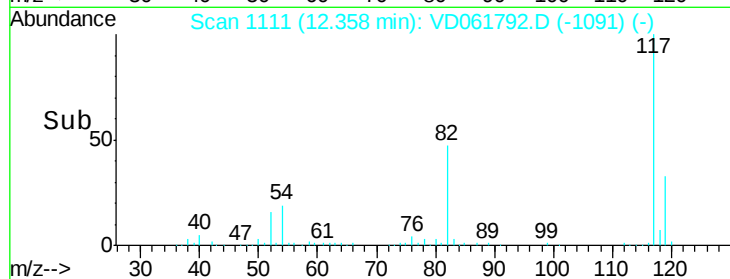
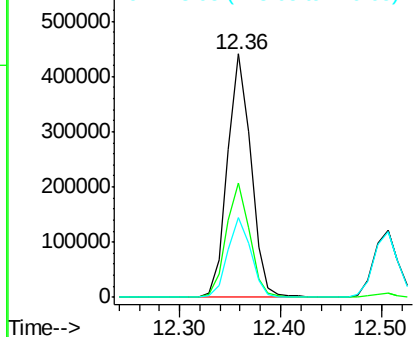
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 711023
Ion Ratio Lower Upper
117 100
82 46.8 36.8 55.2
119 32.6 26.1 39.1

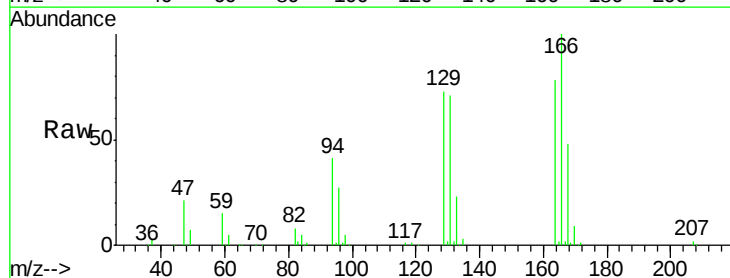


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

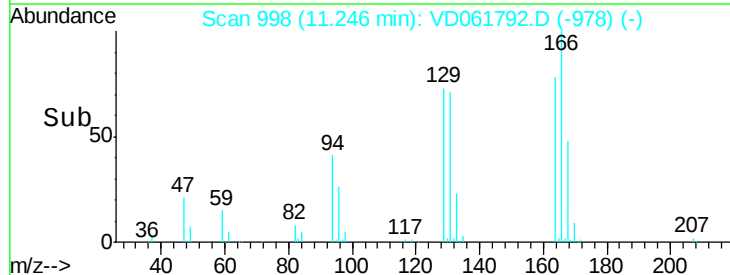
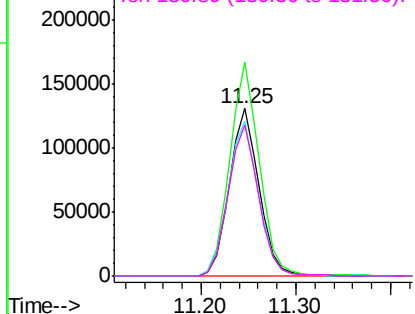


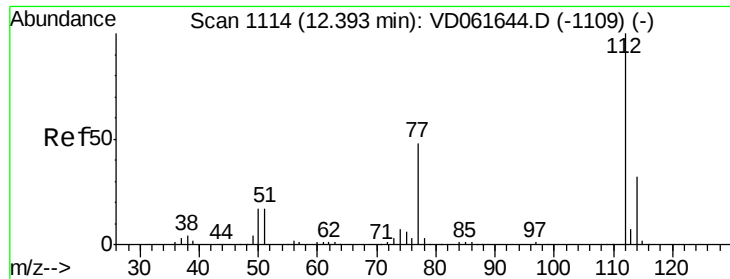
#64
Tetrachloroethene
Concen: 51.311 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:164 Resp: 283198
Ion Ratio Lower Upper
164 100
166 127.7 101.8 152.8
129 92.8 75.4 113.0
131 90.1 73.6 110.4



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

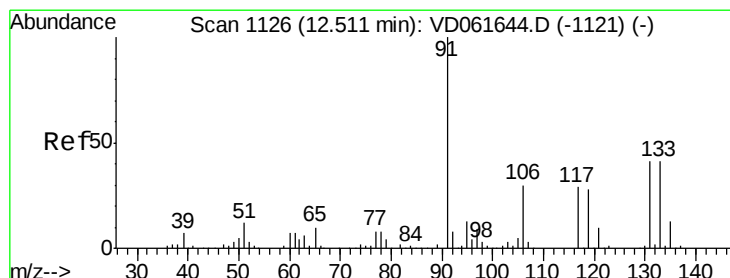
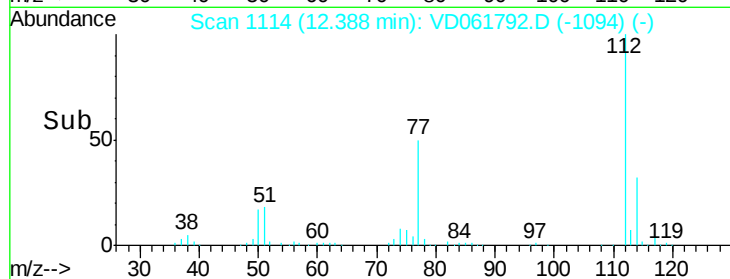
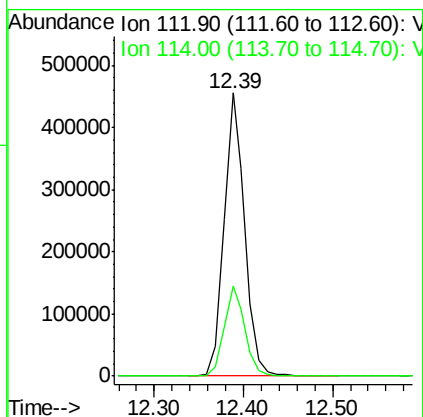
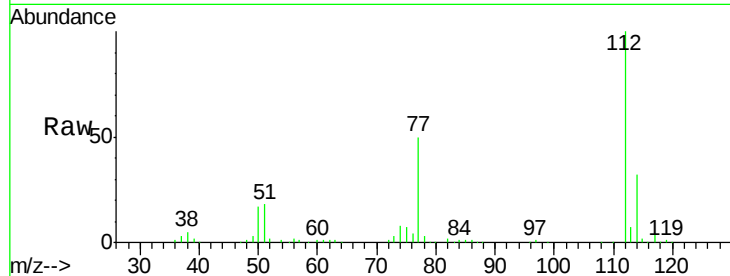




#65
Chlorobenzene
Concen: 52.403 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

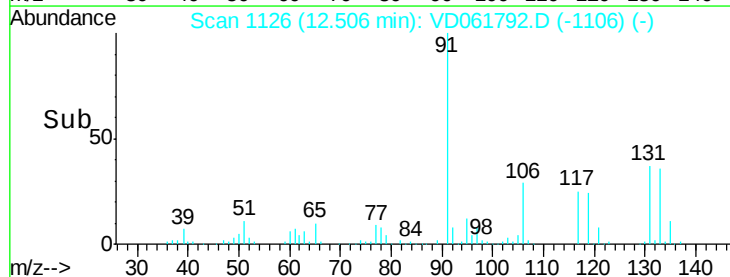
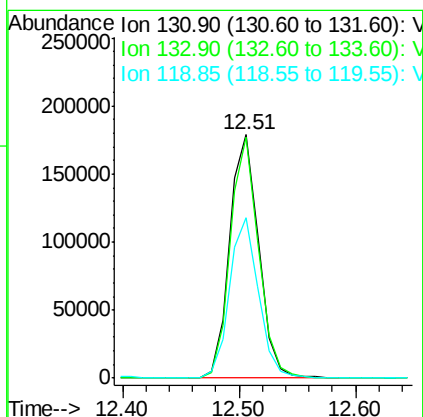
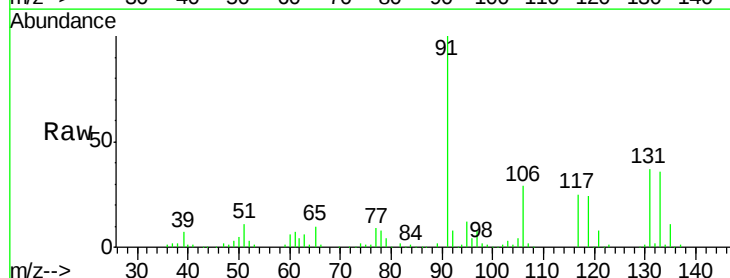
Instrument :
MSVOA_D
ClientSampled :

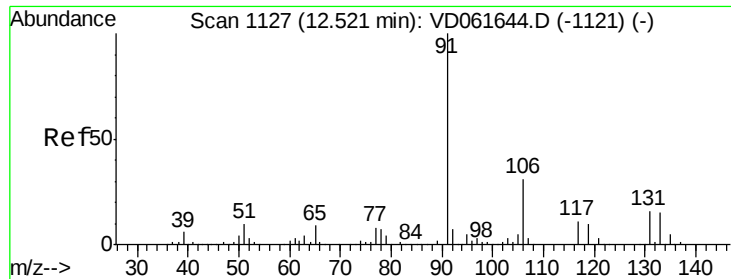
Tot Ion:112 Resp: 738902
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.873 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:131 Resp: 308587
Ion Ratio Lower Upper
131 100
133 98.9 49.5 148.3
119 65.9 34.7 104.1

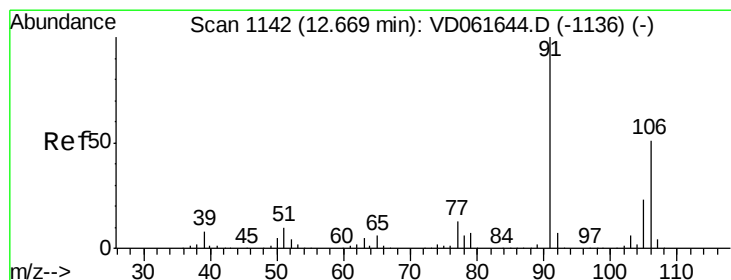
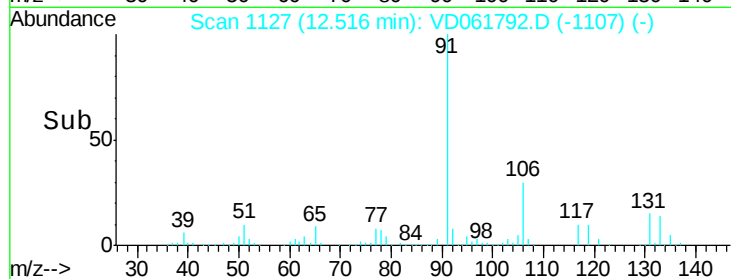
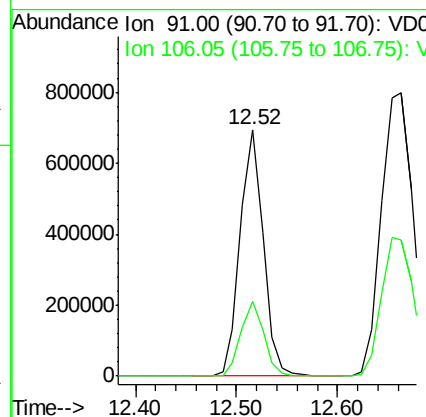
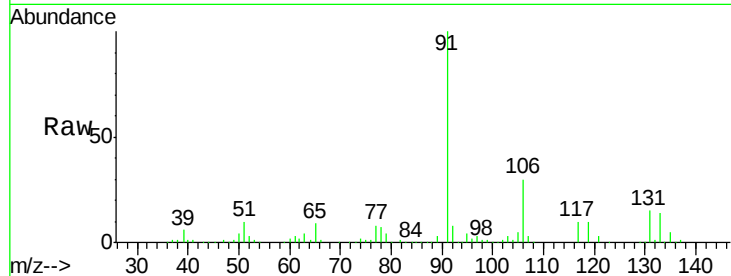




#67
Ethyl Benzene
Concen: 51.821 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

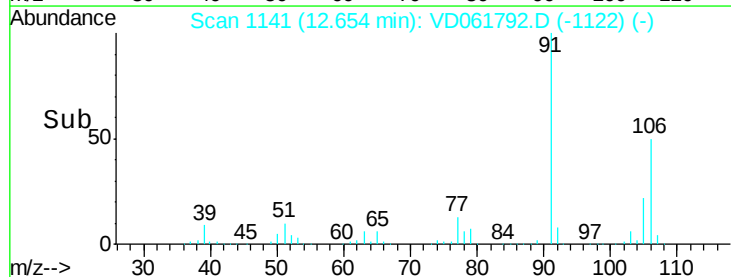
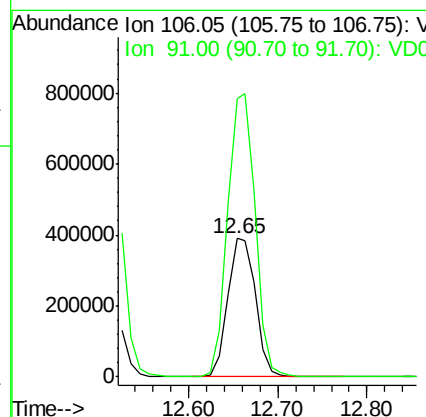
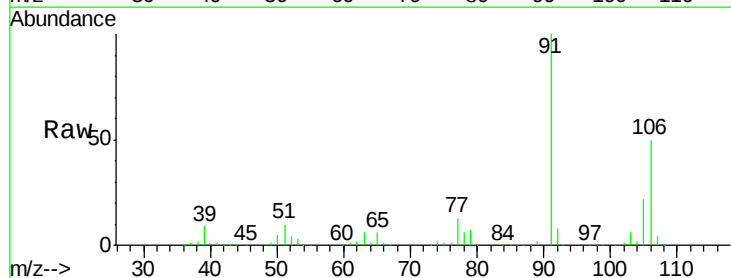
Instrument :
MSVOA_D
ClientSampled :

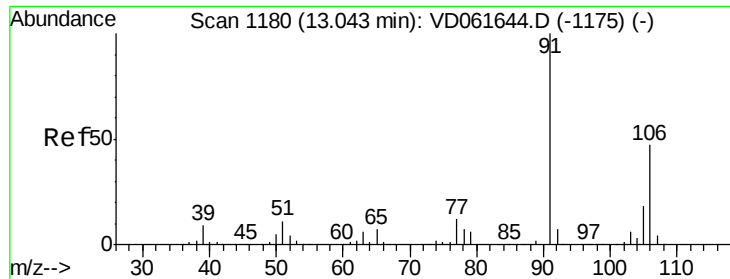
Tot Ion: 91 Resp: 1112708
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0



#68
m/p-Xylenes
Concen: 103.147 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 106 Resp: 853846
Ion Ratio Lower Upper
106 100
91 200.8 156.7 235.1

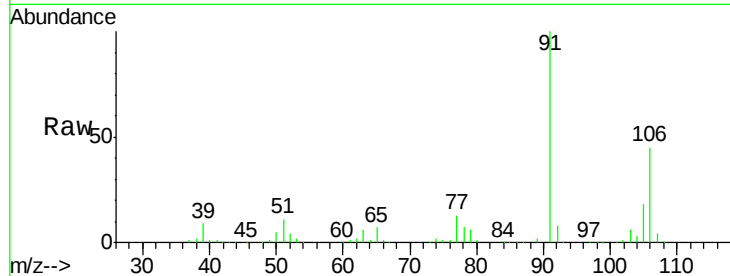




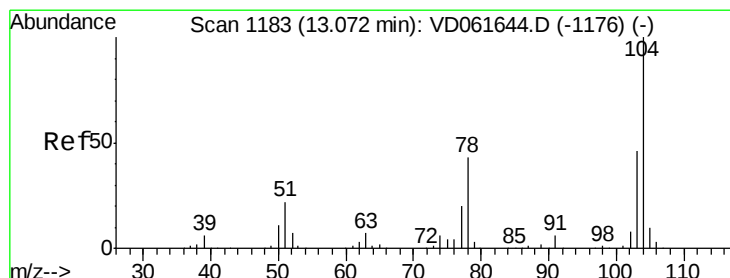
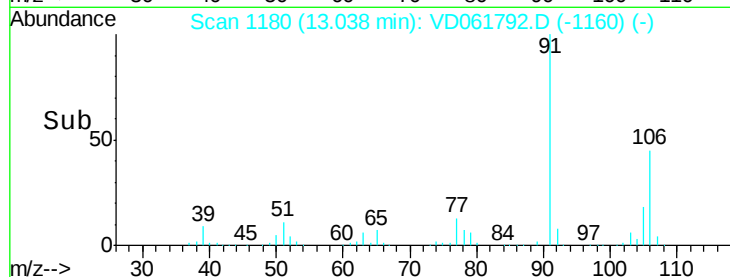
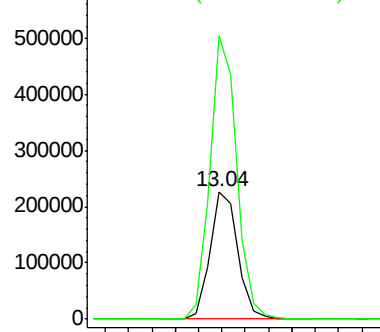
#69
o-Xylene
Concen: 46.723 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 373354
Ion Ratio Lower Upper
106 100
91 221.5 107.3 321.9

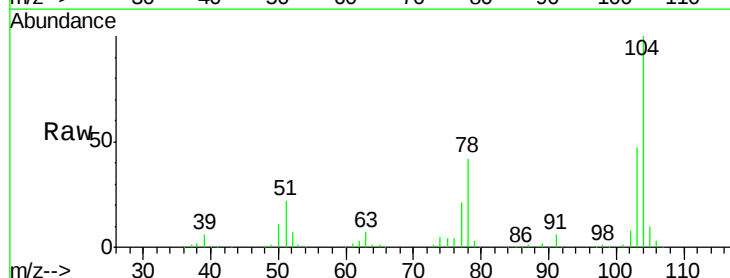


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

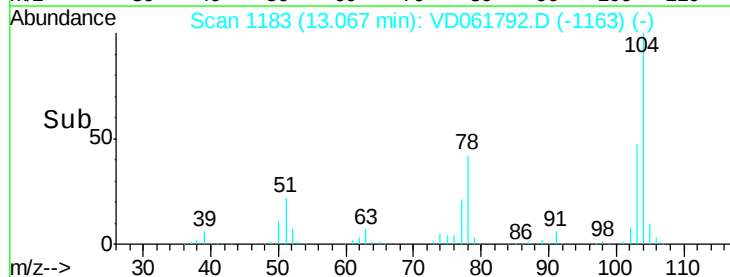
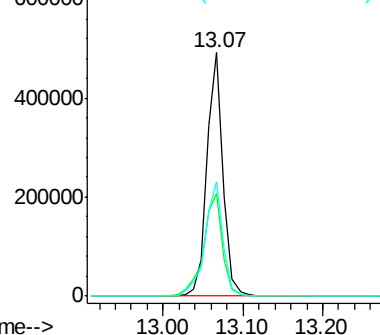


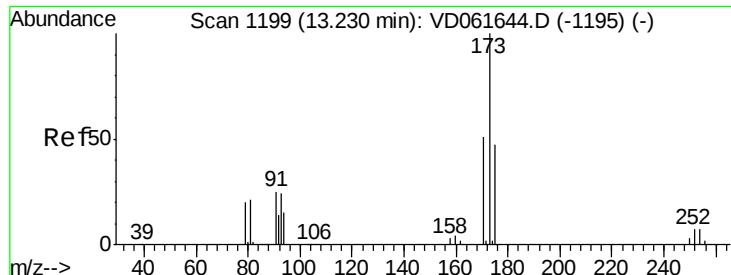
#70
Styrene
Concen: 50.969 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:104 Resp: 695550
Ion Ratio Lower Upper
104 100
78 42.2 34.2 51.4
103 46.7 37.2 55.8



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





#71

Bromoform

Concen: 55.812 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

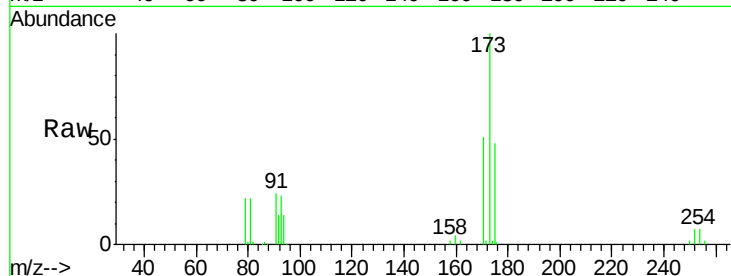
Tot Ion:173 Resp: 187893

Ion Ratio Lower Upper

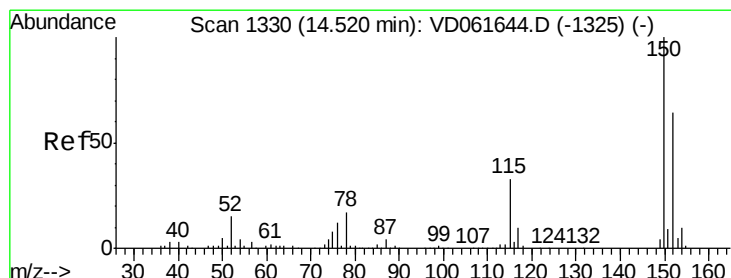
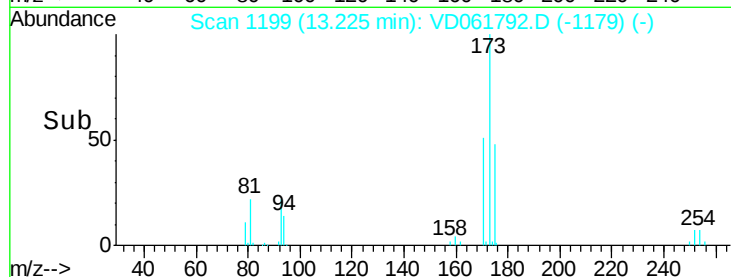
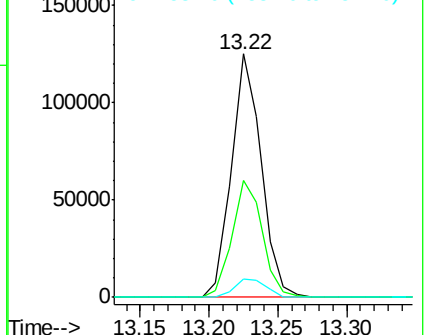
173 100

175 48.0 23.7 71.1

254 7.3 5.8 8.6



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: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

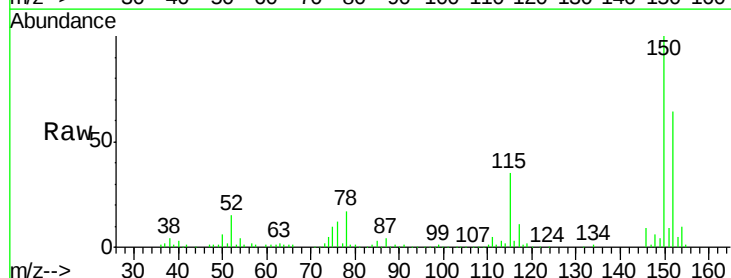
Tgt Ion:152 Resp: 329874

Ion Ratio Lower Upper

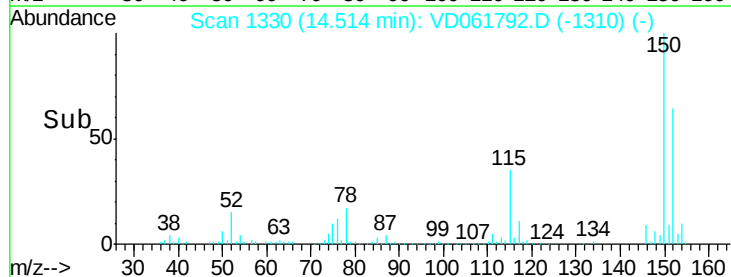
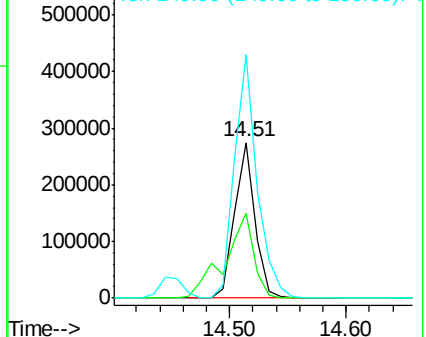
152 100

115 54.7 26.4 79.2

150 156.7 0.0 320.6



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: 51.436 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

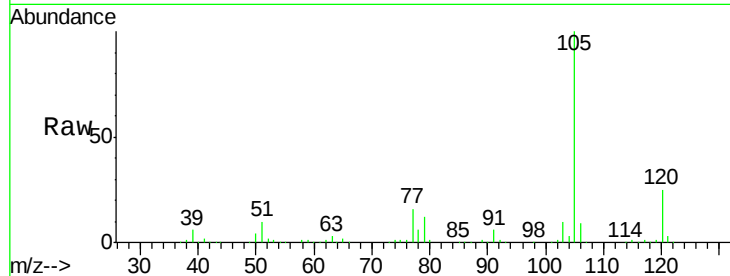
ClientSampleId :

Tot Ion:105 Resp: 1130550

Ion Ratio Lower Upper

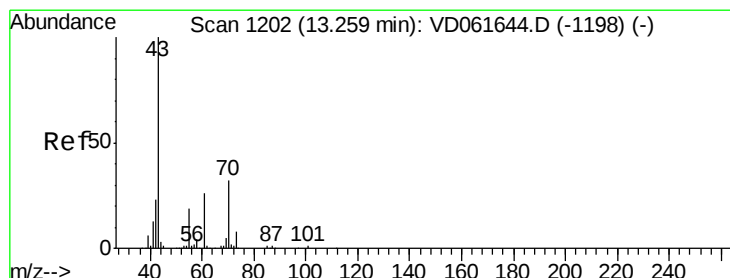
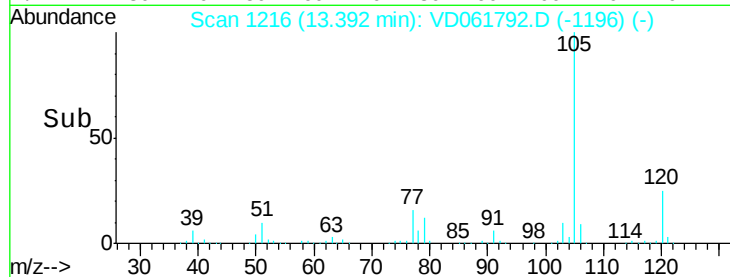
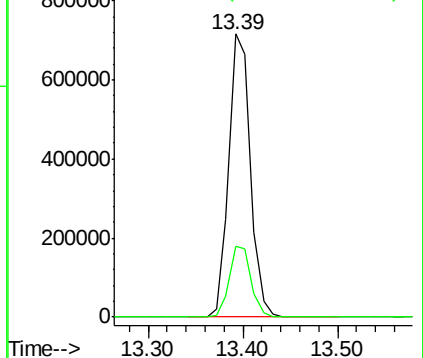
105 100

120 25.0 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.625 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Tgt Ion: 43 Resp: 314279

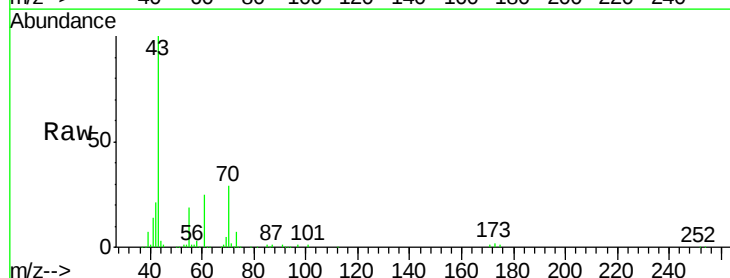
Ion Ratio Lower Upper

43 100

70 28.8 25.4 38.2

55 18.8 15.0 22.4

61 25.4 20.9 31.3

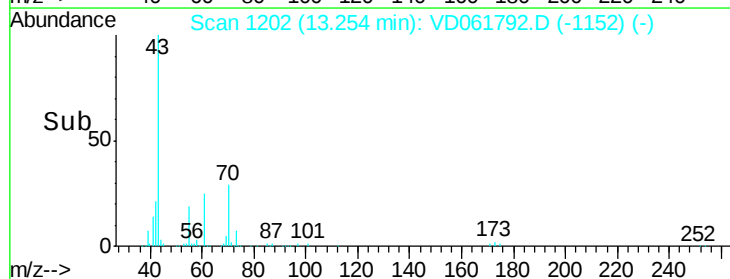
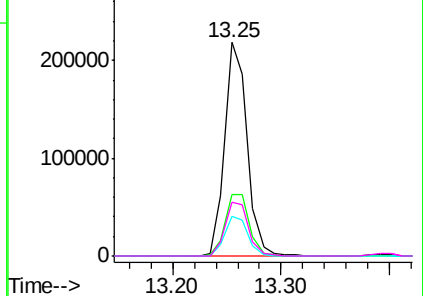


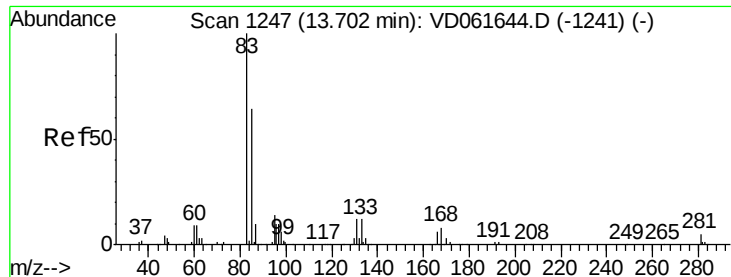
Abundance Ion 42.95 (42.65 to 43.65): V

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: 51.019 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

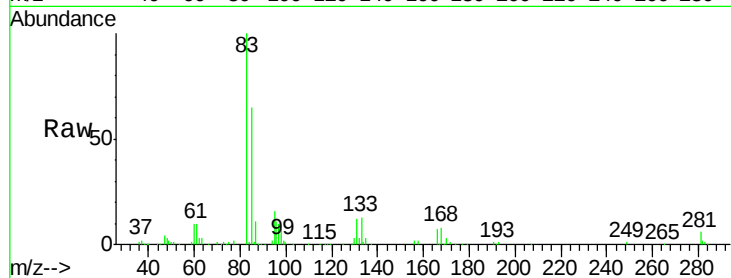
Tot Ion: 83 Resp: 231866

Ion Ratio Lower Upper

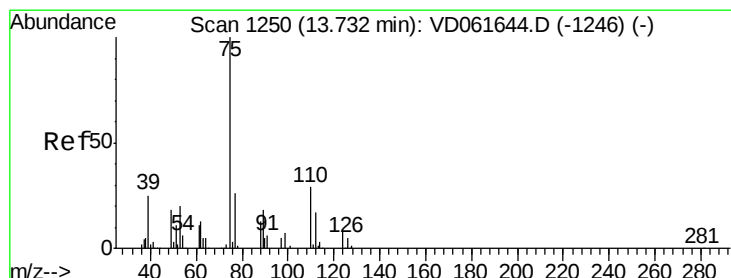
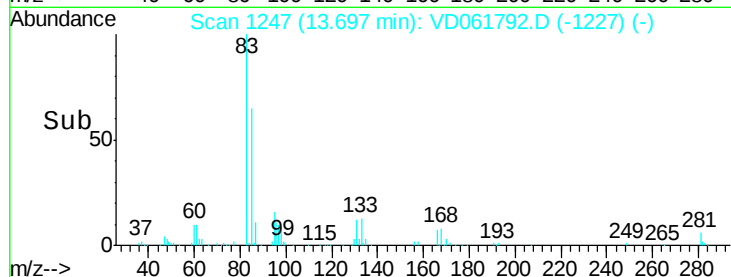
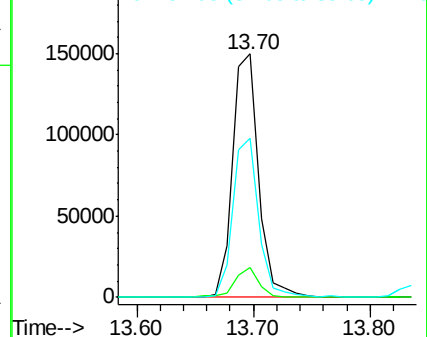
83 100

131 12.3 5.9 17.6

85 65.2 32.0 96.2



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: 51.486 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061792.D

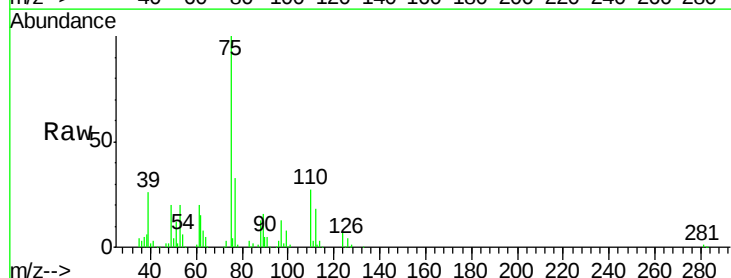
Acq: 12 Apr 2019 23:17

Tgt Ion: 75 Resp: 231065

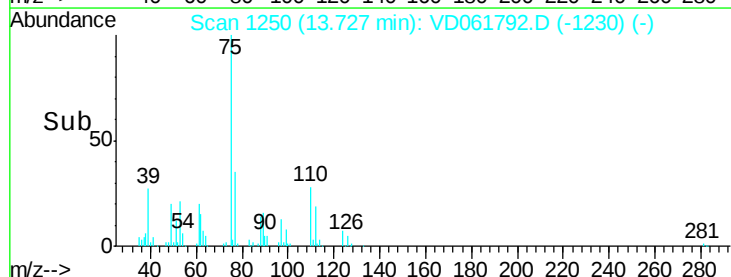
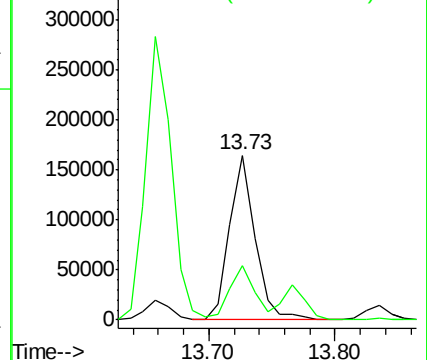
Ion Ratio Lower Upper

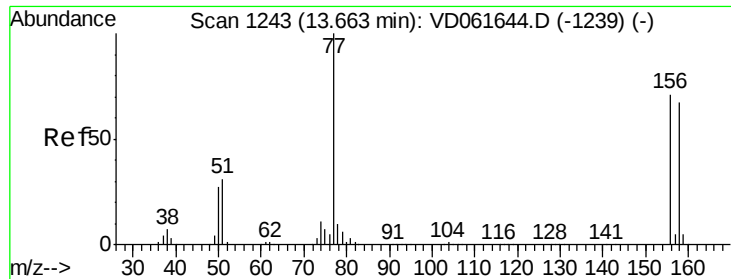
75 100

77 33.1 15.7 47.1



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





#77

Bromobenzene

Concen: 49.963 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

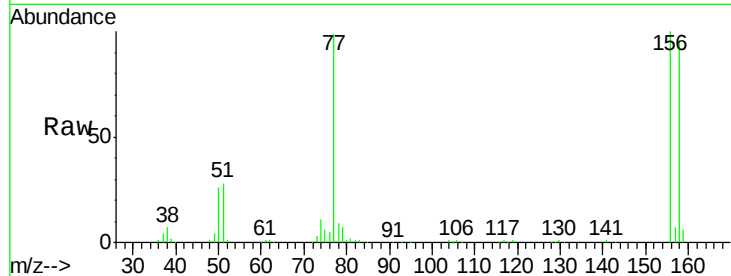
Tot Ion:156 Resp: 318760

Ion Ratio Lower Upper

156 100

77 99.0 70.3 210.8

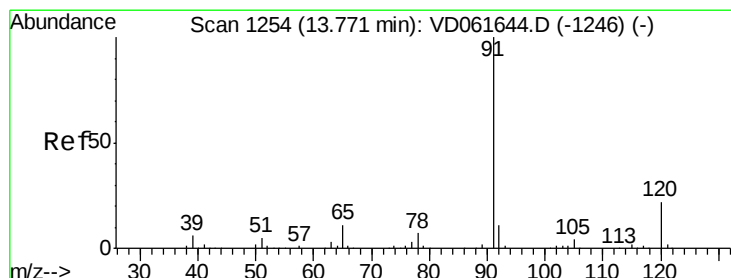
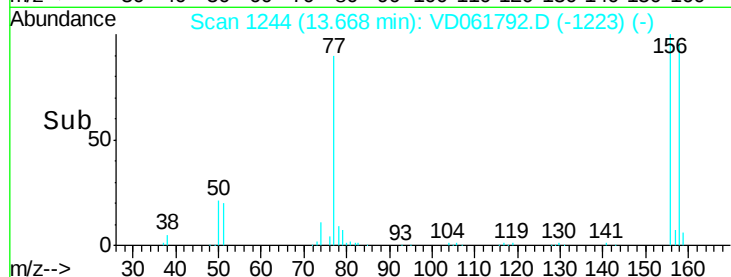
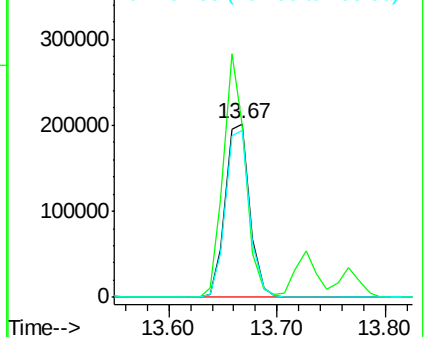
158 95.9 47.4 142.2



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: 47.045 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061792.D

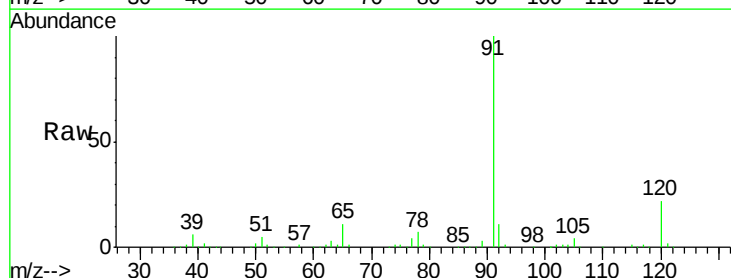
Acq: 12 Apr 2019 23:17

Tgt Ion: 91 Resp: 1236935

Ion Ratio Lower Upper

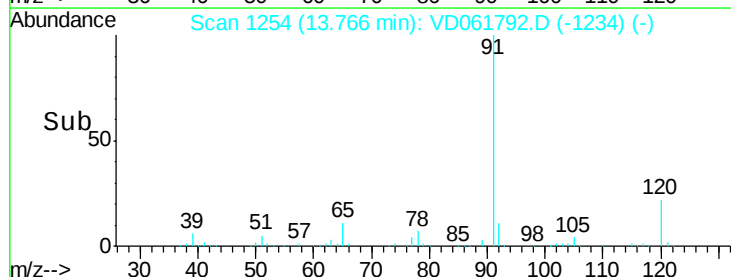
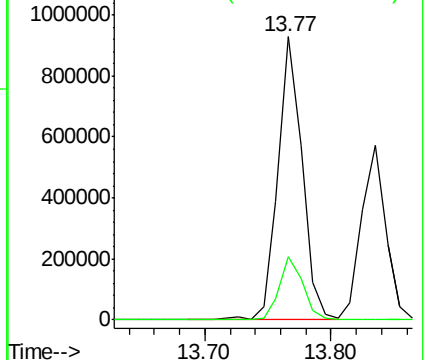
91 100

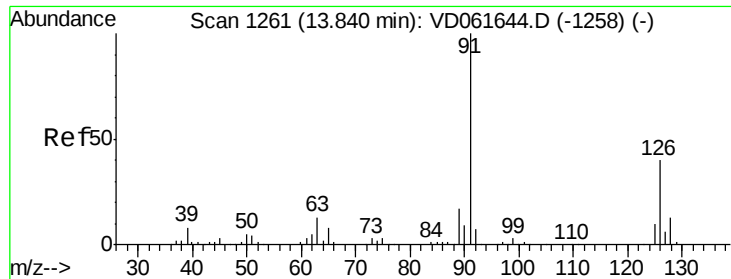
120 22.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

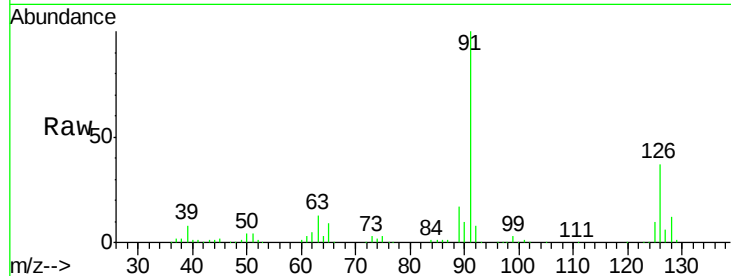




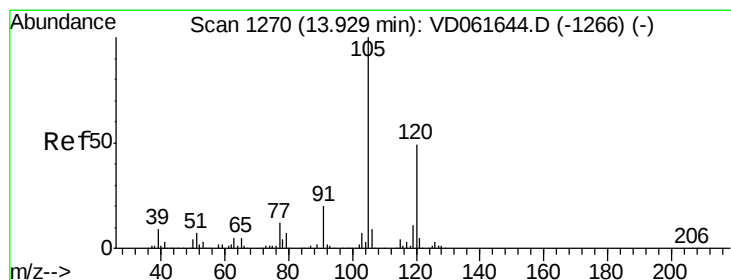
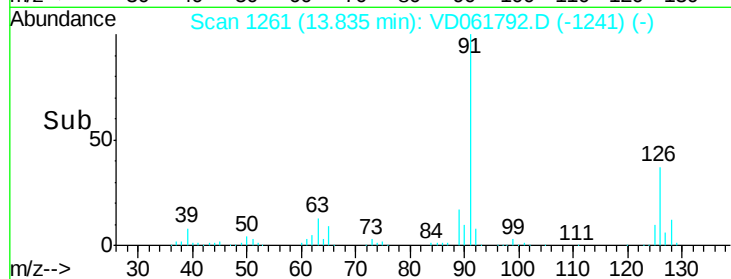
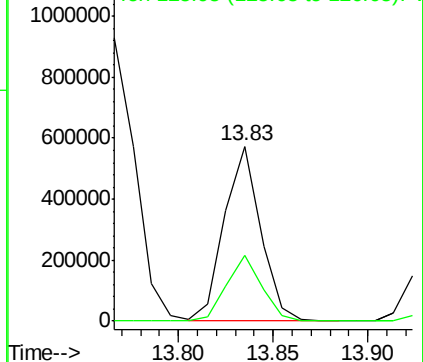
#79
2-Chlorotoluene
Concen: 50.712 ug/l
RT: 13.83 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 762470
Ion Ratio Lower Upper
91 100
126 37.4 20.0 59.9

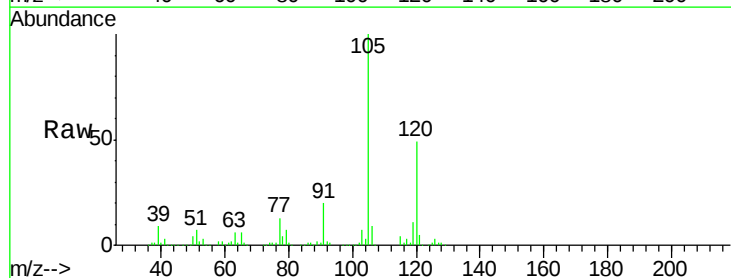


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

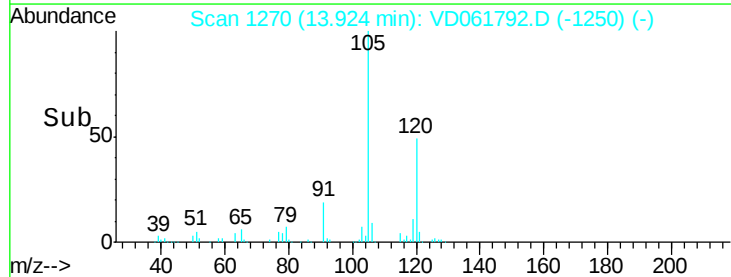
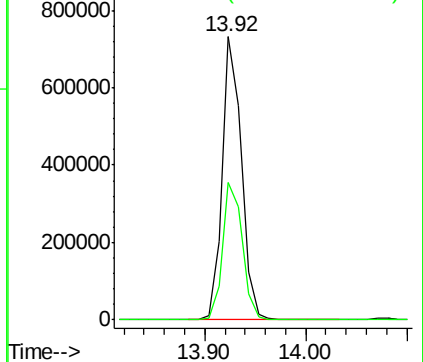


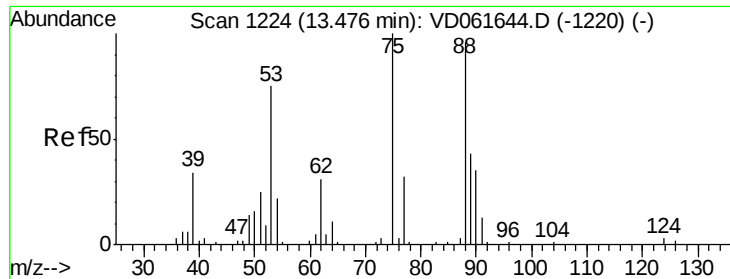
#80
1,3,5-Trimethylbenzene
Concen: 55.841 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:105 Resp: 974184
Ion Ratio Lower Upper
105 100
120 48.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)
Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.075 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

ClientSampleId :

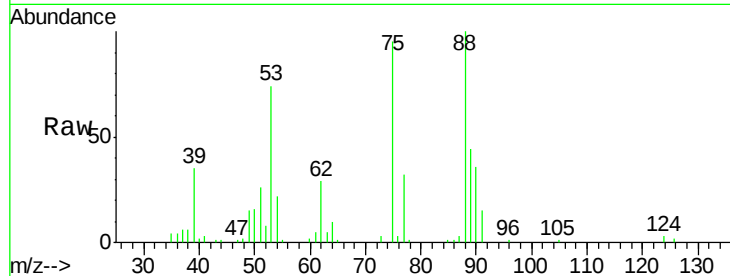
Tot Ion: 75 Resp: 75006

Ion Ratio Lower Upper

75 100

53 78.1 60.2 90.2

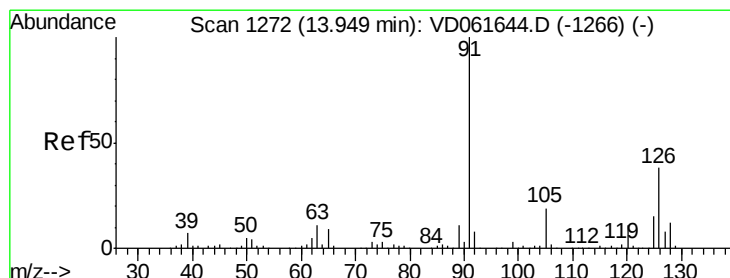
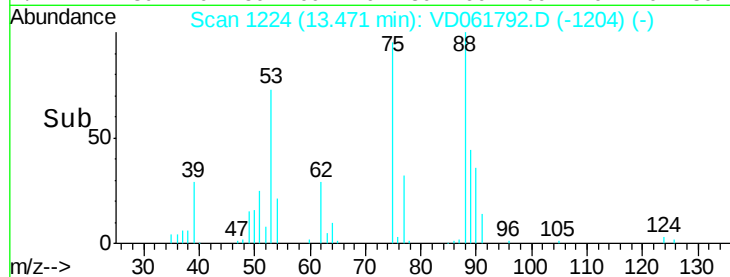
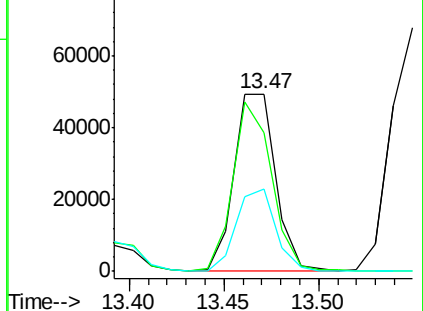
89 46.5 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 56.005 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061792.D

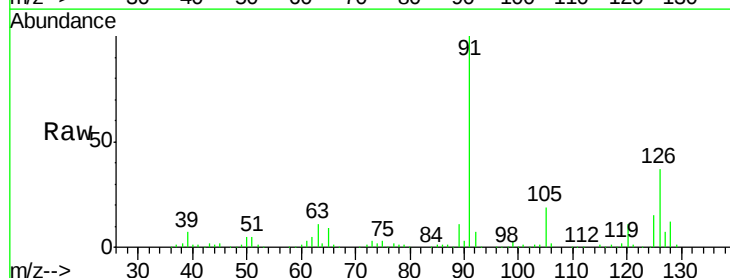
Acq: 12 Apr 2019 23:17

Tgt Ion: 91 Resp: 922708

Ion Ratio Lower Upper

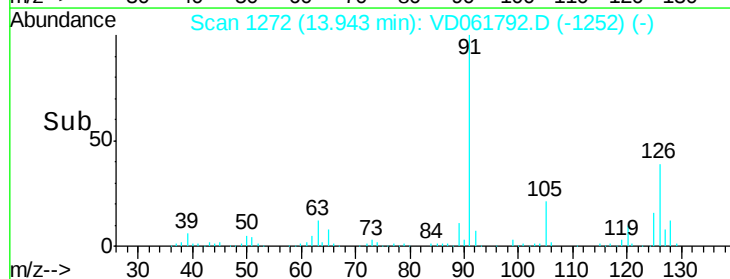
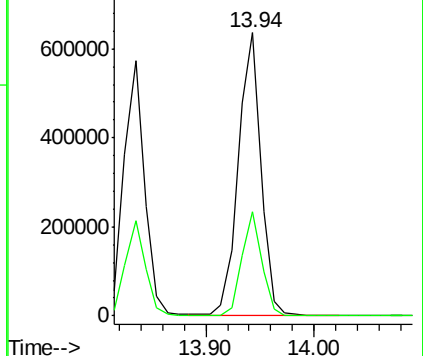
91 100

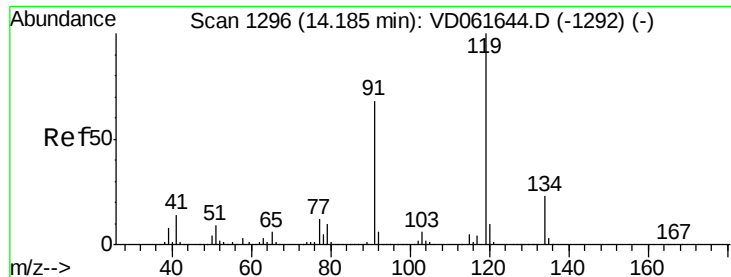
126 36.8 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

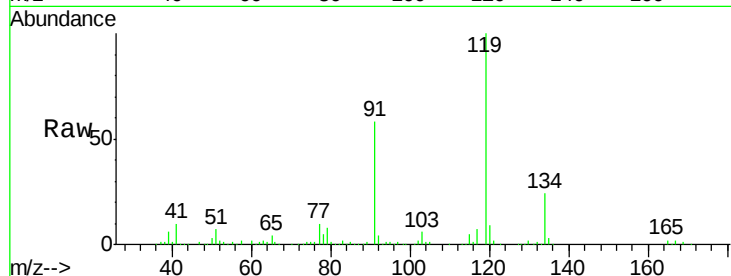




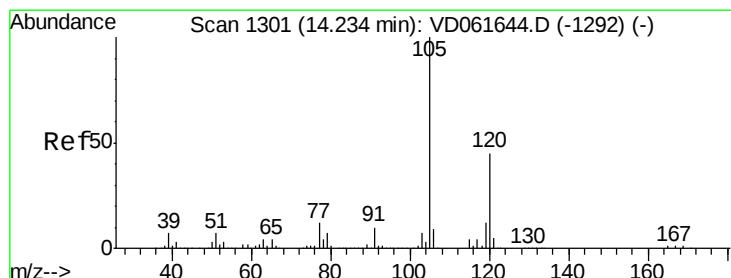
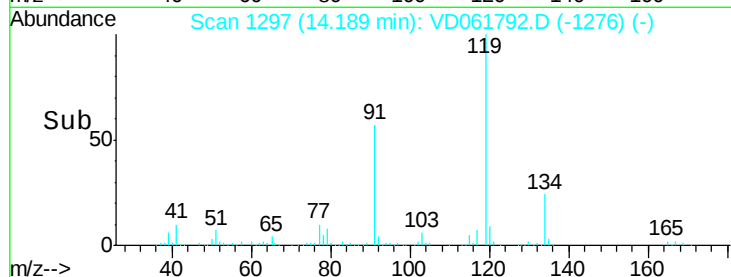
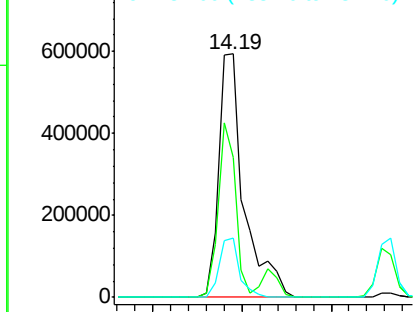
#83
tert-Butylbenzene
Concen: 56.100 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1180029
Ion Ratio Lower Upper
119 100
91 57.6 33.9 101.6
134 24.2 11.6 34.8

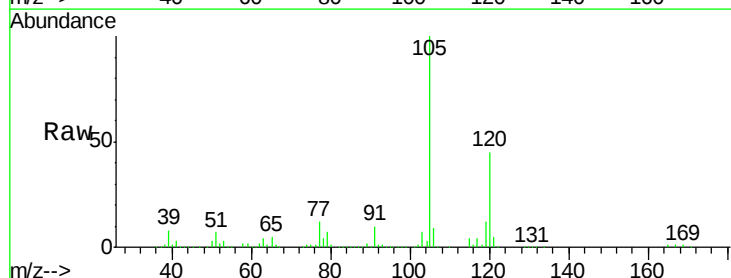


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

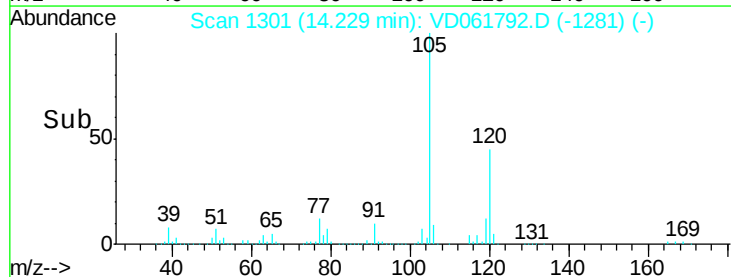
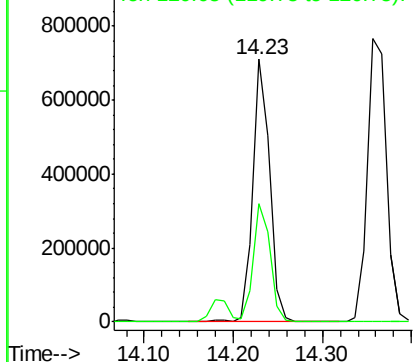


#84
1,2,4-Trimethylbenzene
Concen: 52.180 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:105 Resp: 918747
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 49.521 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

Instrument :

MSVOA_D

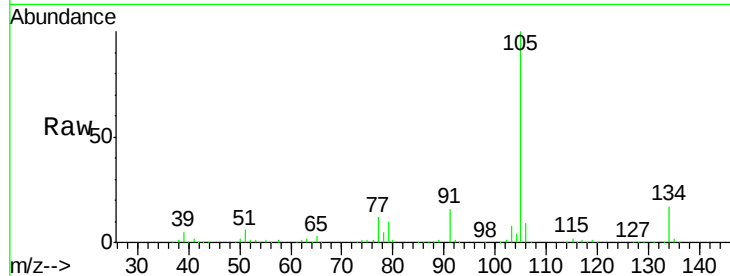
ClientSampleId :

Tot Ion:105 Resp: 1125406

Ion Ratio Lower Upper

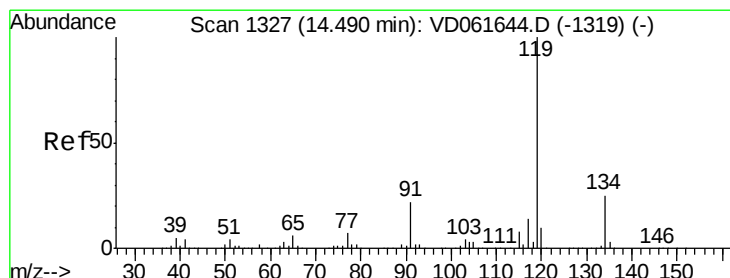
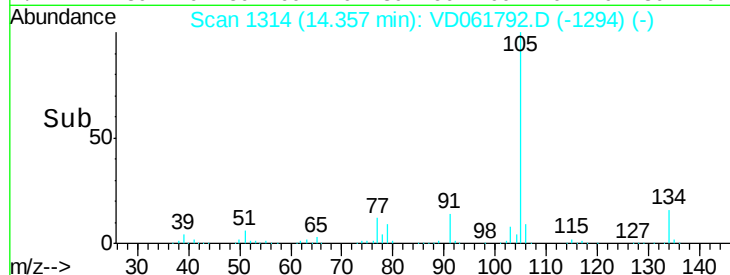
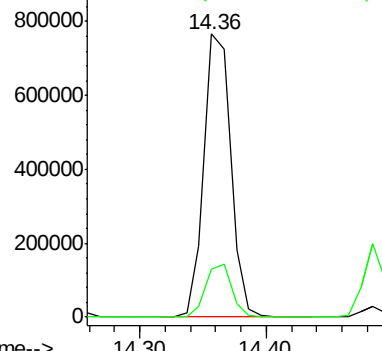
105 100

134 16.8 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.399 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD061792.D

Acq: 12 Apr 2019 23:17

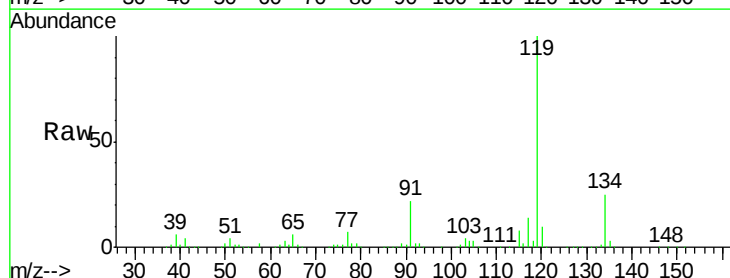
Tgt Ion:119 Resp: 973888

Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

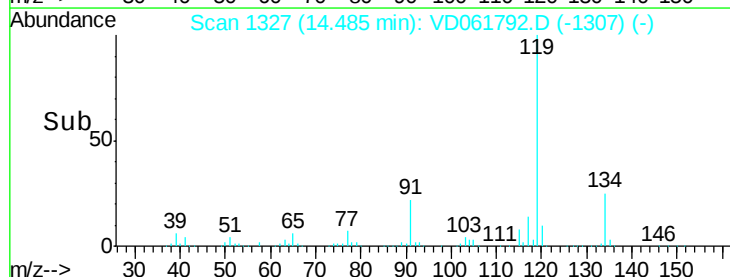
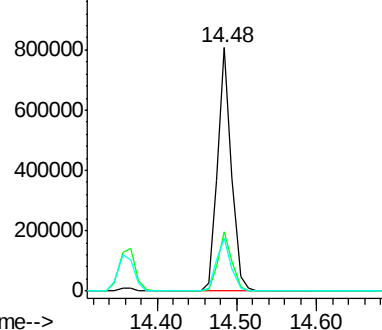
91 22.0 11.0 33.0

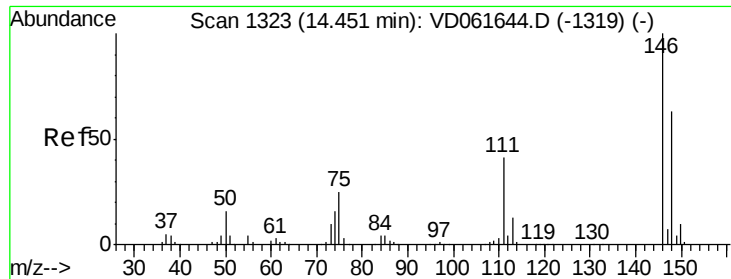


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

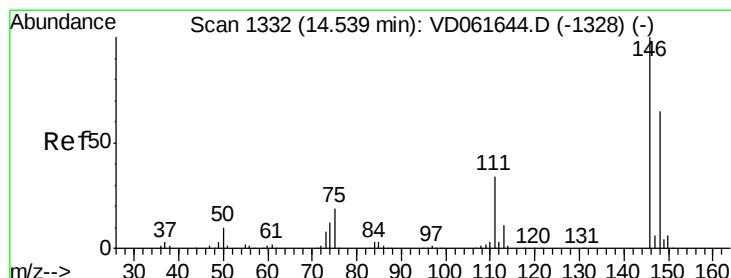
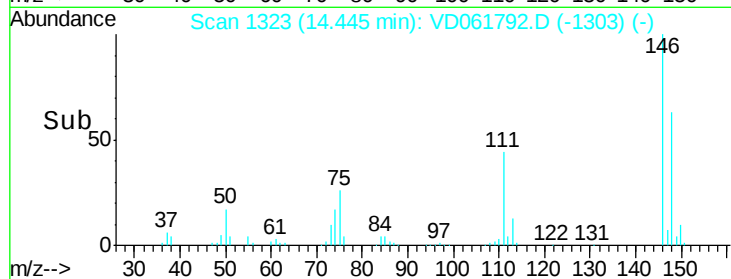
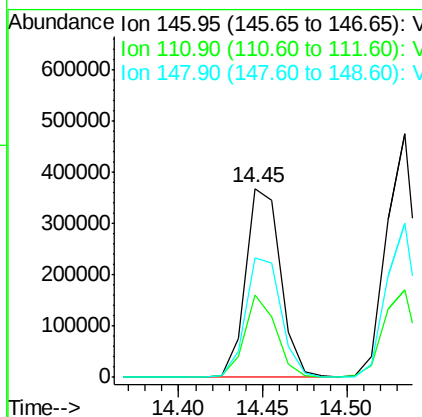
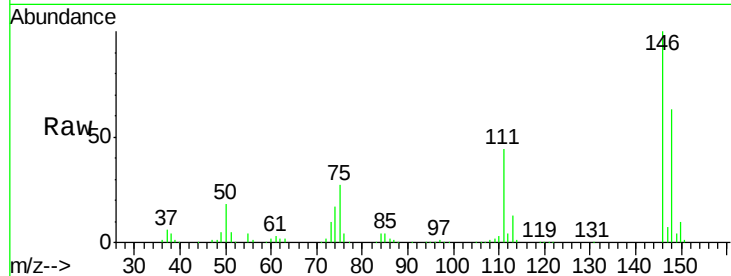




#87
 1,3-Dichlorobenzene
 Concen: 48.235 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

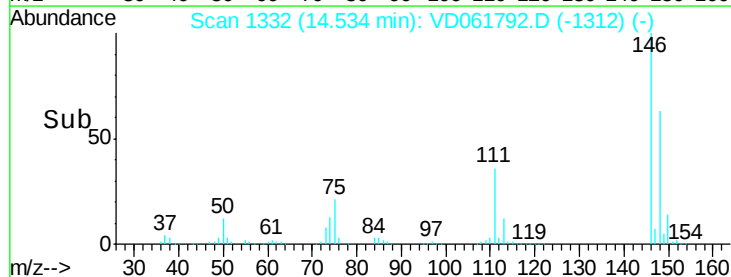
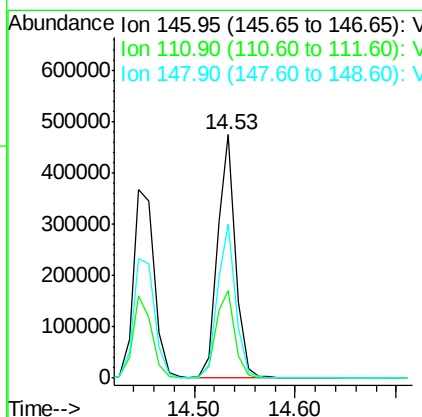
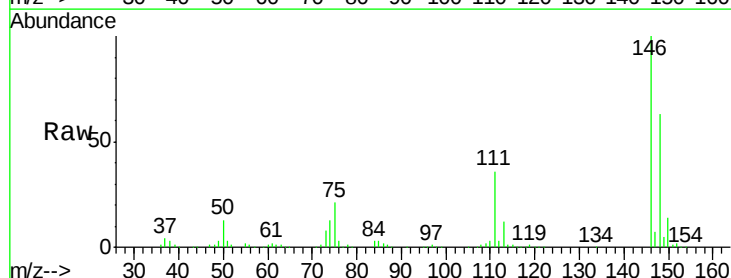
Instrument :
 MSVOA_D
 ClientSampleId :

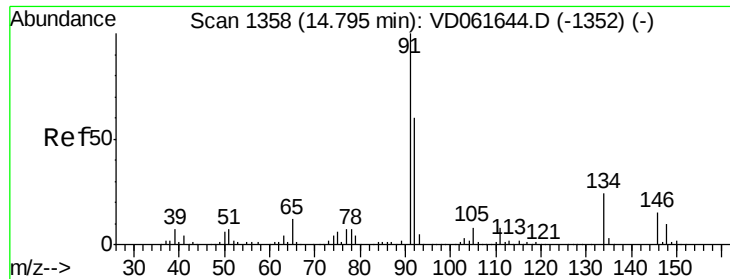
Tot Ion:146 Resp: 529611
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.3 61.0
 148 63.0 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 53.143 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion:146 Resp: 588758
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.1 51.2
 148 63.0 32.6 97.7

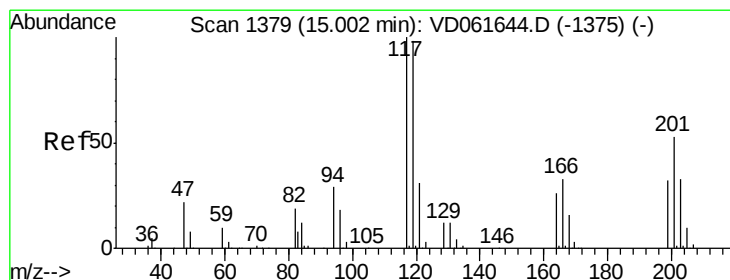
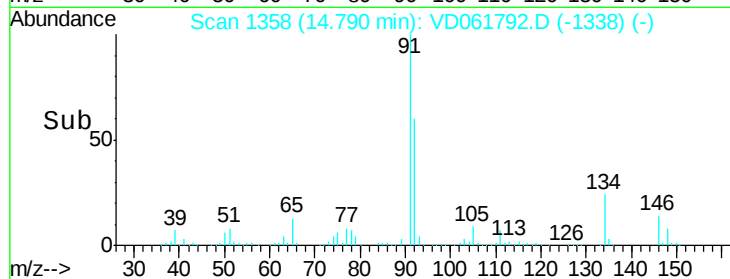
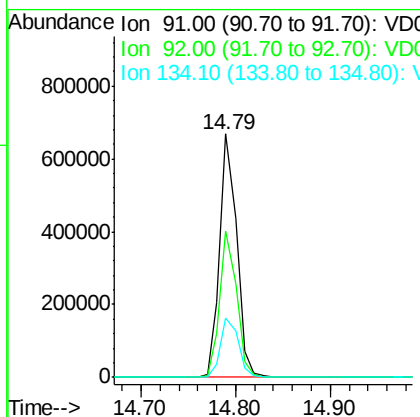
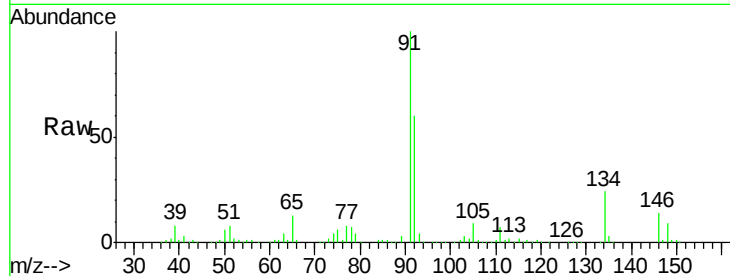




#89
n-Butylbenzene
Concen: 48.800 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

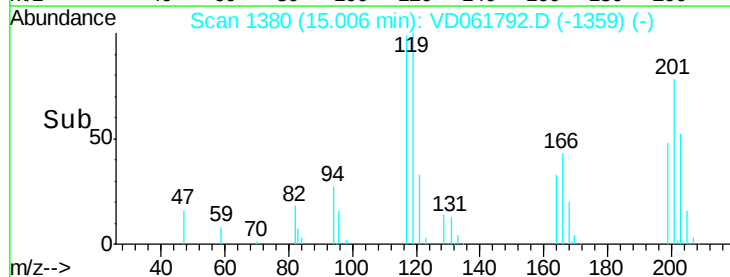
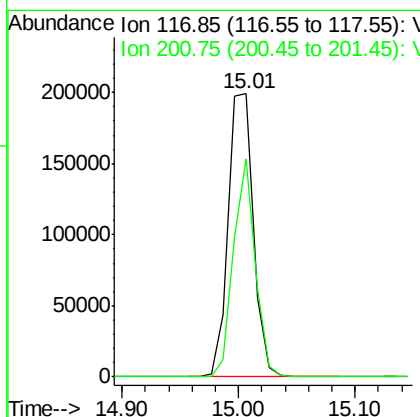
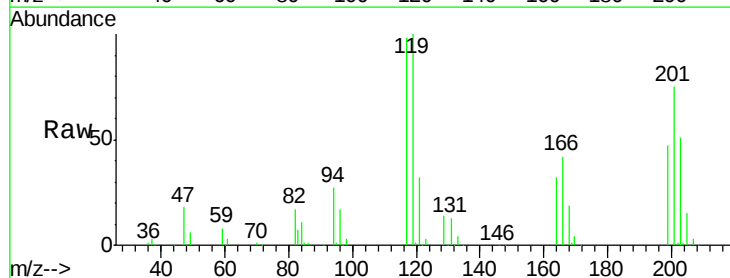
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 836233
Ion Ratio Lower Upper
91 100
92 60.3 29.8 89.4
134 24.3 12.2 36.4



#90
Hexachloroethane
Concen: 55.942 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion: 117 Resp: 299255
Ion Ratio Lower Upper
117 100
201 77.1 26.3 78.8

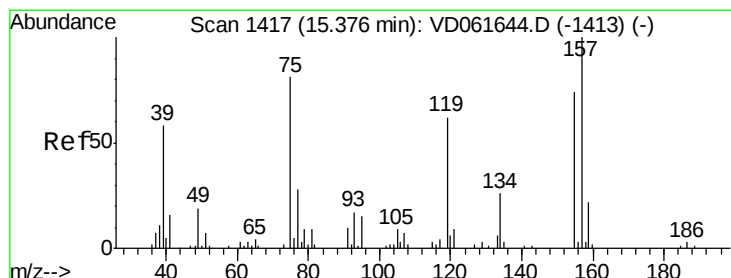
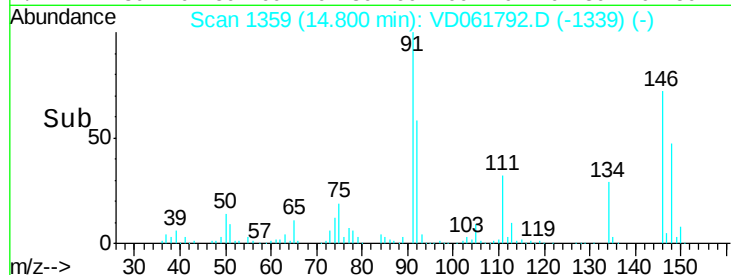
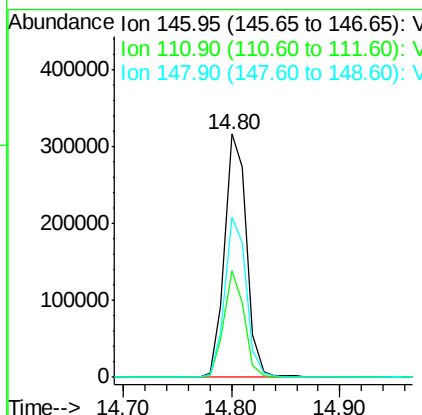
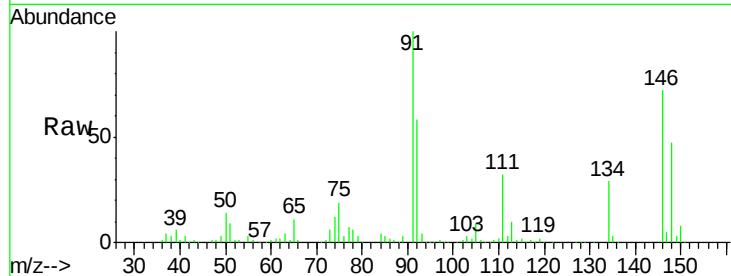




#91
 1,2-Dichlorobenzene
 Concen: 49.721 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

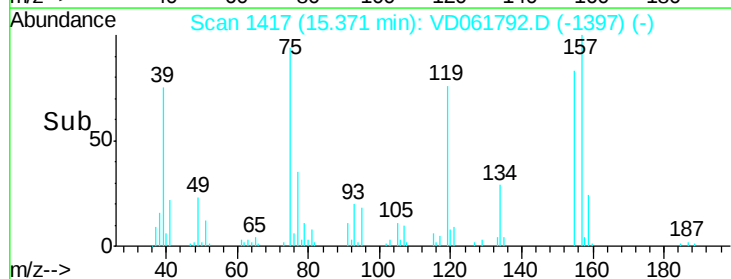
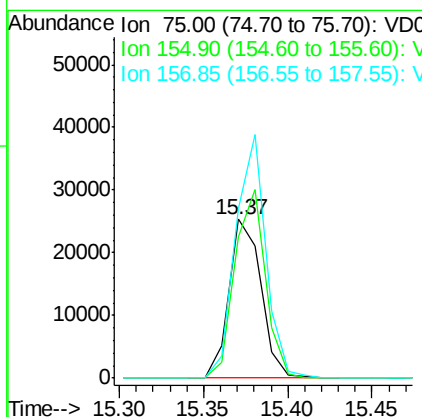
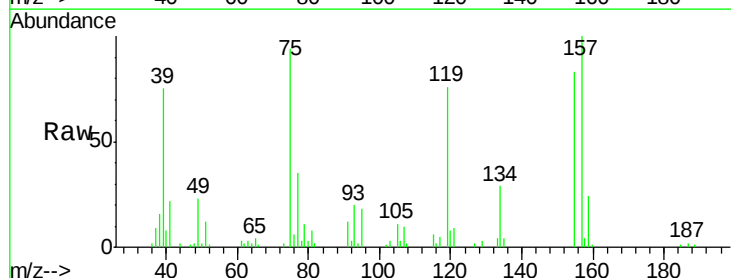
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 449939
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.3
 148 65.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.799 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion: 75 Resp: 33344
 Ion Ratio Lower Upper
 75 100
 155 88.5 45.6 136.7
 157 106.7 61.4 184.2

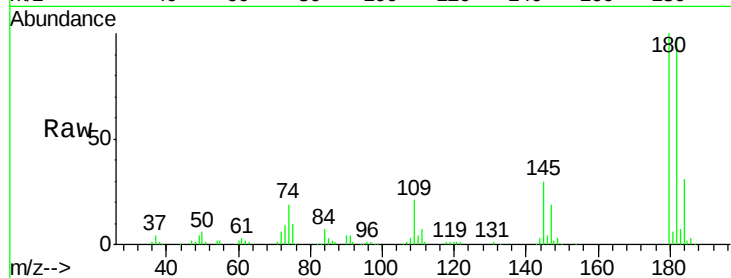




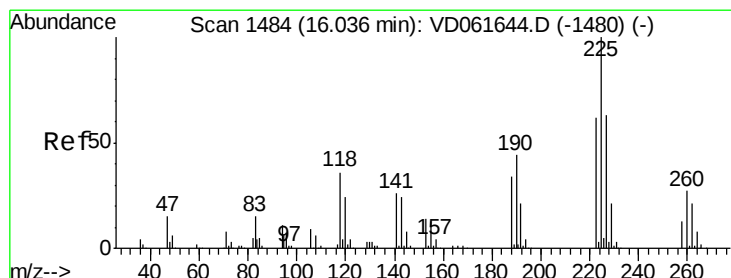
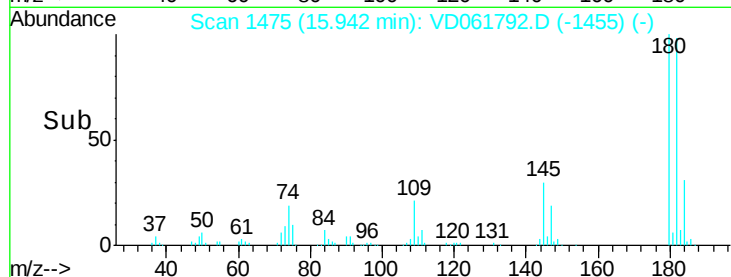
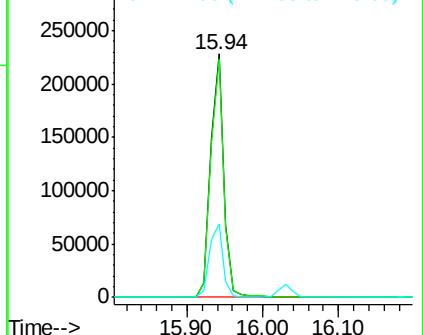
#93
 1,2,4-Trichlorobenzene
 Concen: 60.851 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 280548
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.8 143.3
 145 29.9 13.3 39.8

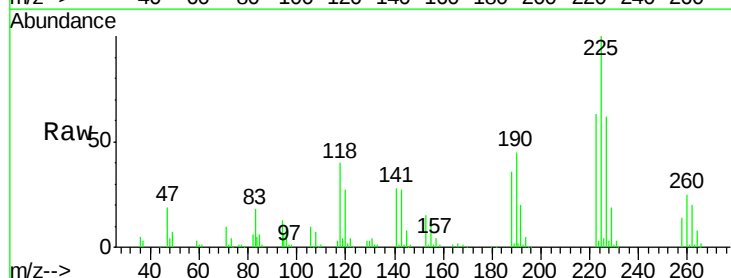


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

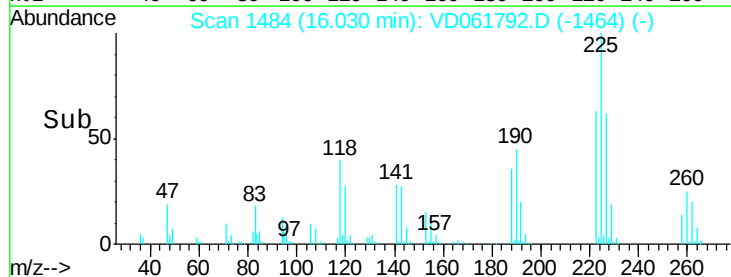
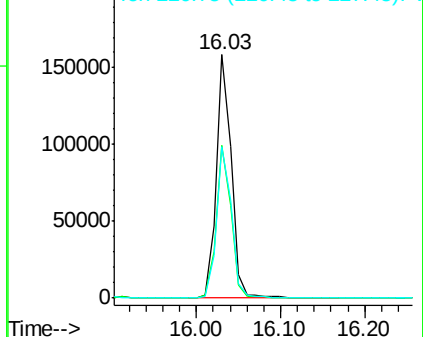


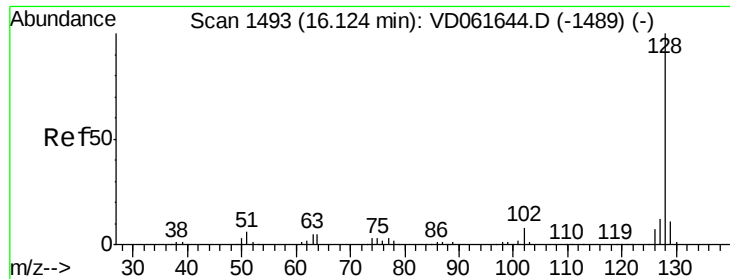
#94
 Hexachlorobutadiene
 Concen: 54.550 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061792.D
 Acq: 12 Apr 2019 23:17

Tgt Ion:225 Resp: 194196
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.8 92.3
 227 62.4 31.5 94.5



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

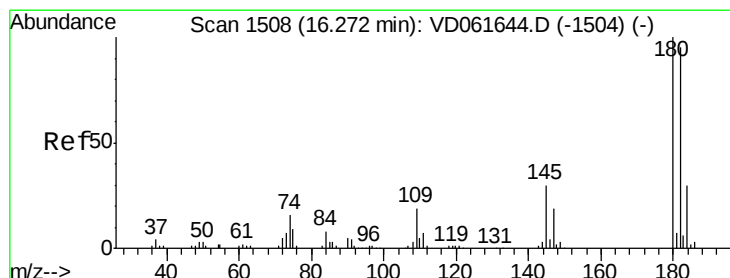
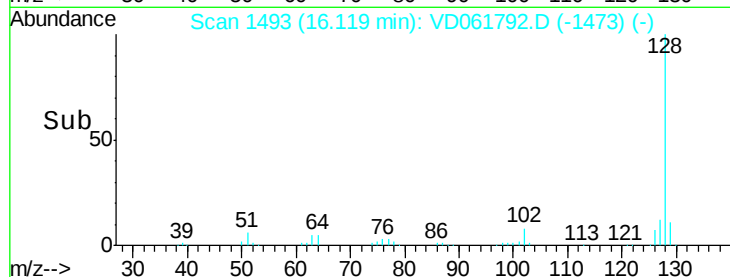
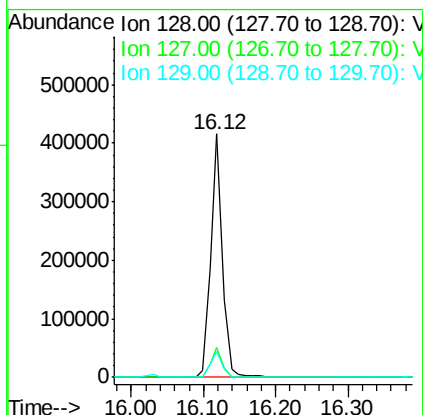
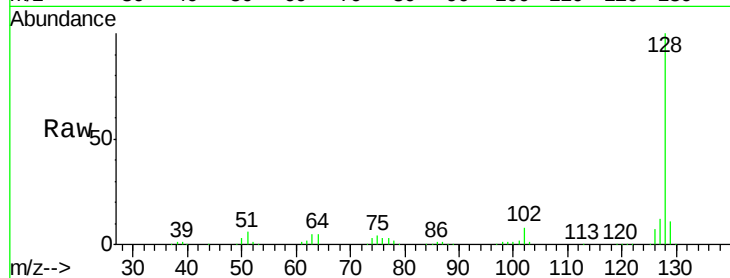




#95
Naphthalene
Concen: 63.512 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 463323
Ion Ratio Lower Upper
128 100
127 12.4 9.4 14.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 78.131 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061792.D
Acq: 12 Apr 2019 23:17

Tgt Ion:180 Resp: 179776
Ion Ratio Lower Upper
180 100
182 93.9 47.3 142.0
145 31.3 15.1 45.3

