

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059796.D
 Acq On : 15 Aug 2018 14:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 16 07:45:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	312712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	398932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	326069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	177237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	180845	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	5.53	113	173584	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.69	98	401316	48.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.93	95	173150	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	182451	47.878	ug/l	99
3) Chloromethane	1.47	50	99390	47.512	ug/l	96
4) Vinyl Chloride	1.54	62	116181	52.431	ug/l	100
5) Bromomethane	1.79	94	38708	54.865	ug/l	99
6) Chloroethane	1.87	64	47618	51.525	ug/l	100
7) Trichlorofluoromethane	2.07	101	163065	46.861	ug/l	93
8) Diethyl Ether	2.33	74	31706	47.359	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.54	101	95817	49.099	ug/l	97
10) Methyl Iodide	2.68	142	104747	44.367	ug/l	97
11) Tert butyl alcohol	3.24	59	33871	238.270	ug/l #	93
12) 1,1-Dichloroethene	2.53	96	70561	50.010	ug/l	91
13) Acrolein	2.46	56	29334	226.611	ug/l	94
14) Allyl chloride	2.91	41	174352	49.177	ug/l	94
15) Acrylonitrile	3.34	53	114339	229.585	ug/l	95
16) Acetone	2.59	43	189127	298.270	ug/l	99
17) Carbon Disulfide	2.74	76	255993	54.141	ug/l	99
18) Methyl Acetate	2.92	43	62554	46.160	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	316813	46.003	ug/l	98
20) Methylene Chloride	3.06	84	76700	44.289	ug/l	91
21) trans-1,2-Dichloroethene	3.37	96	134847	48.502	ug/l	95
22) Diisopropyl ether	4.05	45	451404	47.195	ug/l	94
23) Vinyl Acetate	4.00	43	1328184	245.201	ug/l	99
24) 1,1-Dichloroethane	3.96	63	263340	46.410	ug/l	98
25) 2-Butanone	4.82	43	260738	268.672	ug/l	99
26) 2,2-Dichloropropane	4.78	77	265688	51.206	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	141478	46.445	ug/l	99
28) Bromochloromethane	5.13	49	102126	45.870	ug/l	98
29) Tetrahydrofuran	5.17	42	97607	235.735	ug/l	98
30) Chloroform	5.31	83	290674	42.663	ug/l	97
31) Cyclohexane	5.58	56	194653	47.699	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	299514	49.998	ug/l	99
36) 1,1-Dichloropropene	5.73	75	206456	50.442	ug/l	96
37) Ethyl Acetate	4.90	43	98832	48.279	ug/l	96
38) Carbon Tetrachloride	5.71	117	248791	50.383	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.28	83	189011	53.384	ug/l	100
40) Benzene	6.00	78	436246	50.249	ug/l	96
41) Methacrylonitrile	5.10	41	49502	50.544	ug/l #	93
42) 1,2-Dichloroethane	6.11	62	227495	48.419	ug/l	99
43) Isopropyl Acetate	7.60	43	135306	52.341	ug/l	99
44) Trichloroethene	6.97	130	150074	50.482	ug/l	100
45) 1,2-Dichloropropane	7.33	63	117614	52.121	ug/l	100
46) Dibromomethane	7.45	93	88624	48.019	ug/l	97
47) Bromodichloromethane	7.73	83	218131	48.238	ug/l	97
48) Methyl methacrylate	7.49	41	89630	53.135	ug/l	94
49) 1,4-Dioxane	7.48	88	15876	1068.702	ug/l	94
51) 4-Methyl-2-Pentanone	8.58	43	533713	273.130	ug/l	99
52) Toluene	8.79	92	273246	49.130	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	193425	51.591	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	221840	54.750	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	100456	48.925	ug/l	95
56) Ethyl methacrylate	9.30	69	110096	49.513	ug/l	96
57) 1,3-Dichloropropane	9.66	76	151878	47.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	285303	259.598	ug/l	97
59) 2-Hexanone	9.77	43	415588	296.596	ug/l	98
60) Dibromochloromethane	9.95	129	147731	49.555	ug/l	97
61) 1,2-Dibromoethane	10.09	107	106149	46.671	ug/l	98
64) Tetrachloroethene	9.50	164	136974	48.775	ug/l	97
65) Chlorobenzene	10.72	112	323679	49.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	129000	48.468	ug/l	97
67) Ethyl Benzene	10.86	91	535729	47.119	ug/l	93
68) m/p-Xylenes	11.00	106	372875	96.761	ug/l	87
69) o-Xylene	11.40	106	182667	49.384	ug/l	93
70) Styrene	11.43	104	314724	47.976	ug/l	99
71) Bromoform	11.59	173	101667	52.549	ug/l	99
73) Isopropylbenzene	11.77	105	557014	49.634	ug/l	97
74) N-amyl acetate	11.64	43	176189	51.204	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	109371	47.992	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	120835	48.052	ug/l	97
77) Bromobenzene	12.04	156	157287	49.046	ug/l	92
78) n-propylbenzene	12.14	91	688268	49.166	ug/l	96
79) 2-Chlorotoluene	12.21	91	406118	48.108	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	427708	47.598	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	33629	57.160	ug/l	87
82) 4-Chlorotoluene	12.32	91	434886	45.387	ug/l	100
83) tert-Butylbenzene	12.57	119	501410	50.500	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	457555	47.252	ug/l	99
85) sec-Butylbenzene	12.75	105	569025	49.446	ug/l	97
86) p-Isopropyltoluene	12.88	119	497366	51.651	ug/l	93
87) 1,3-Dichlorobenzene	12.83	146	284152	49.414	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	275371	48.301	ug/l	99
89) n-Butylbenzene	13.19	91	492042	50.538	ug/l	98
90) Hexachloroethane	13.39	117	126497	52.351	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	227224	48.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20765	51.072	ug/l	92

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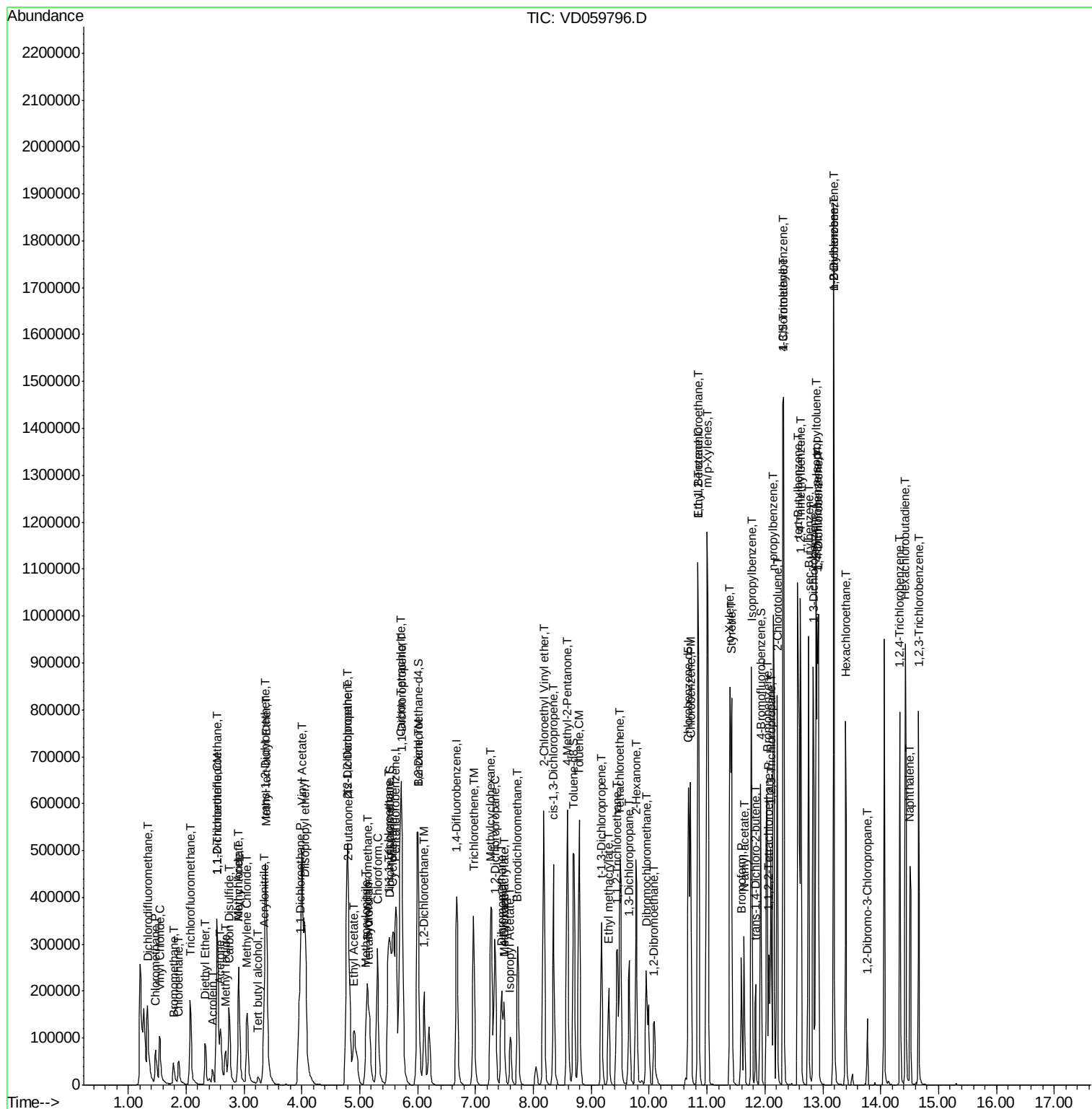
Instrument :
MSVOA_D
ClientSampleId :

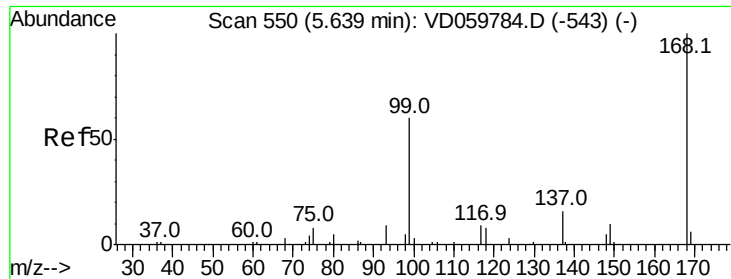
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QLast Update : Wed Aug 15 16:08:23 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	203431	51.440	ug/l	96
94) Hexachlorobutadiene	14.43	225	156411	53.580	ug/l	99
95) Naphthalene	14.52	128	291559	48.154	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	183571	52.604	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

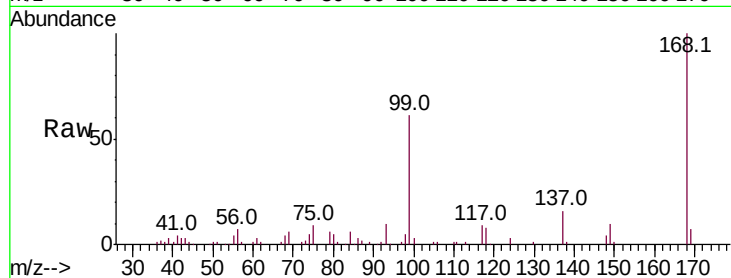
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 312712

Ion Ratio Lower Upper

168 100

99 60.9 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

120000

100000

80000

60000

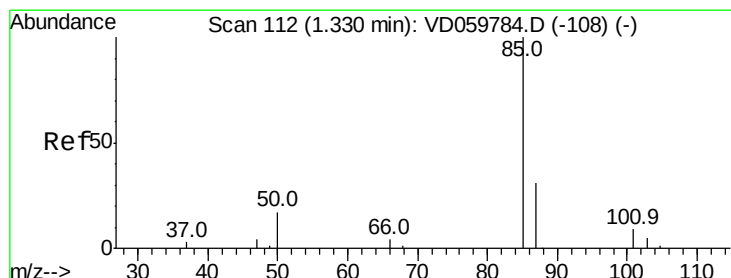
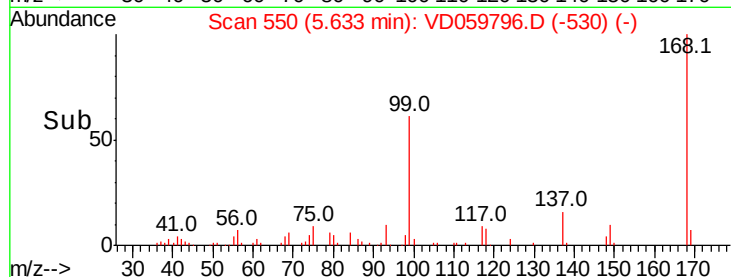
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.878 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD059796.D

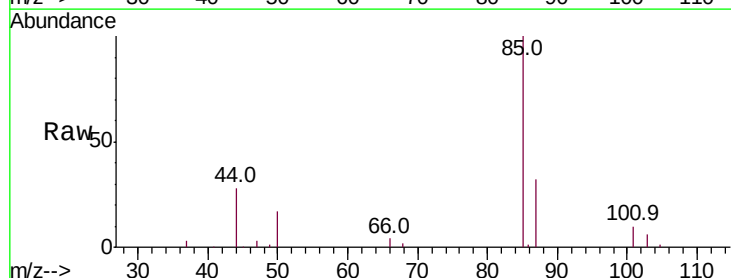
Acq: 15 Aug 2018 14:59

Tgt Ion: 85 Resp: 182451

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

80000

60000

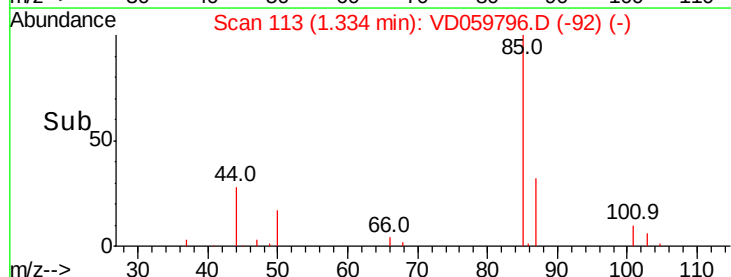
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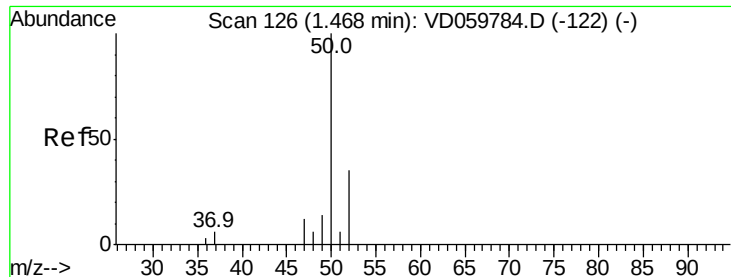
20000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 47.512 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

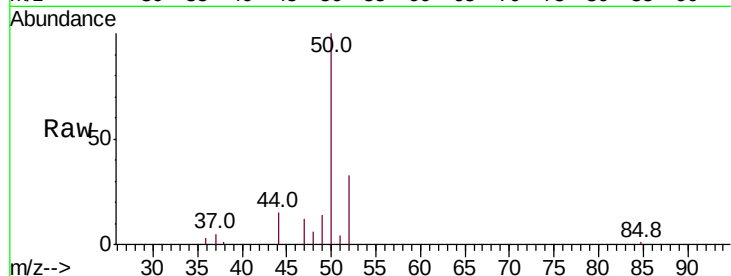
ClientSampleId :

Tot Ion: 50 Resp: 99390

Ion Ratio Lower Upper

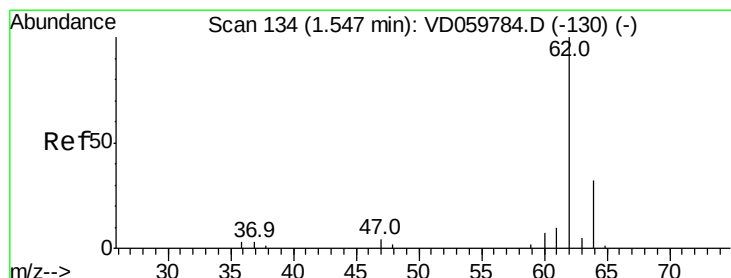
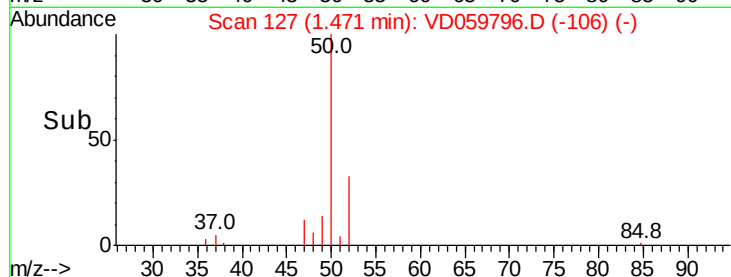
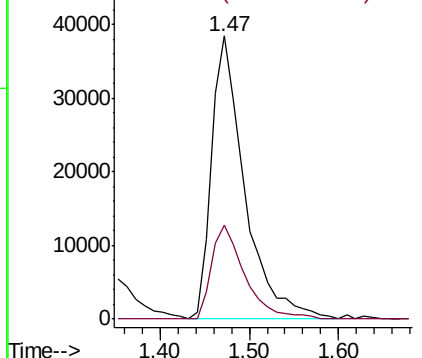
50 100

52 33.1 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.431 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD059796.D

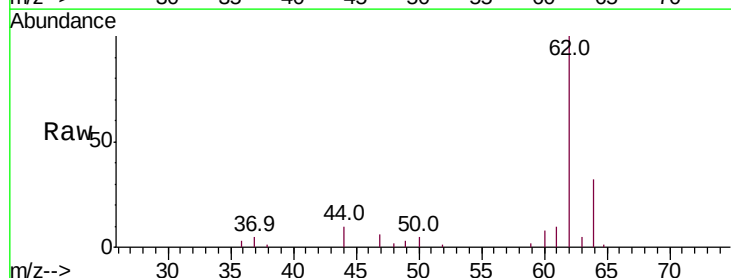
Acq: 15 Aug 2018 14:59

Tgt Ion: 62 Resp: 116181

Ion Ratio Lower Upper

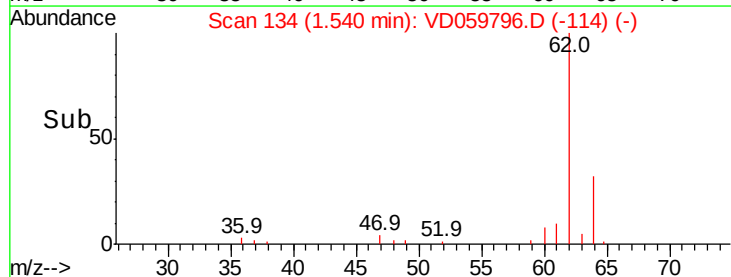
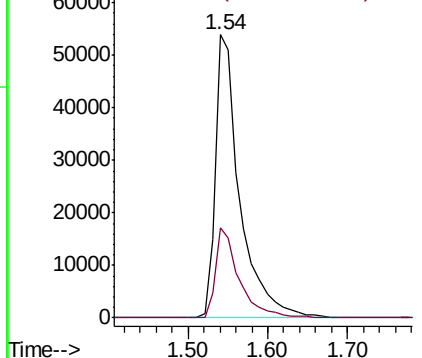
62 100

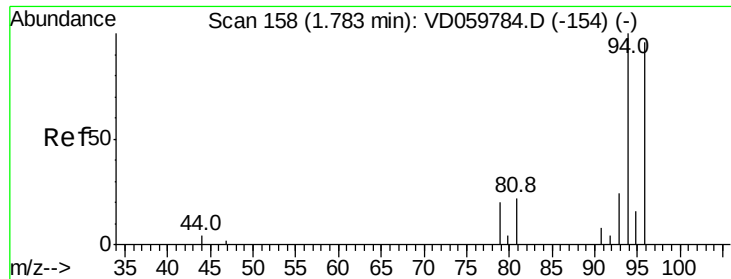
64 31.7 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

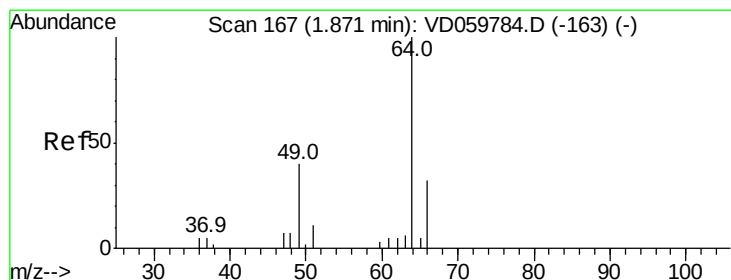
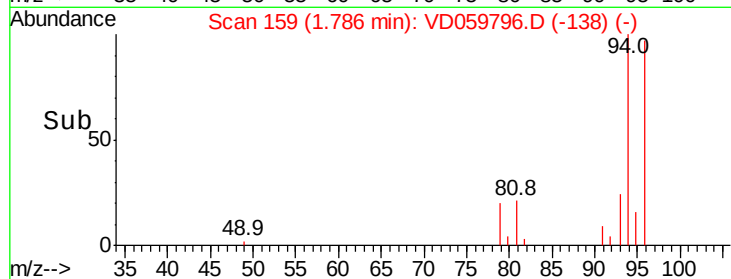
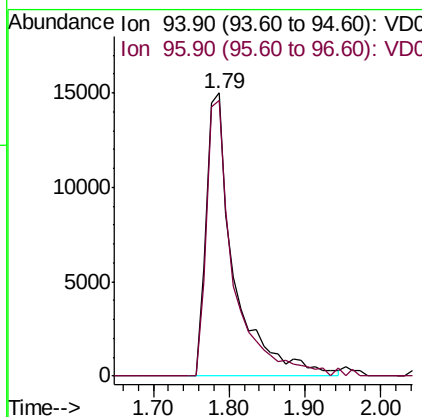
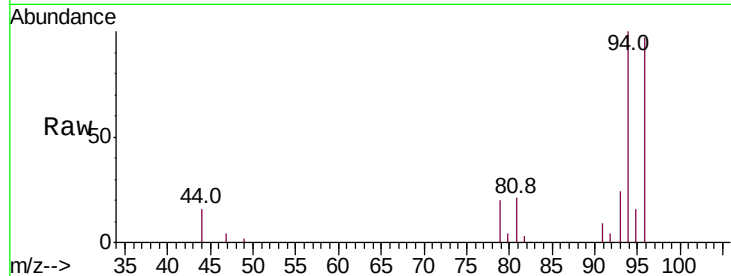




#5
Bromomethane
Concen: 54.865 ug/l
RT: 1.79 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

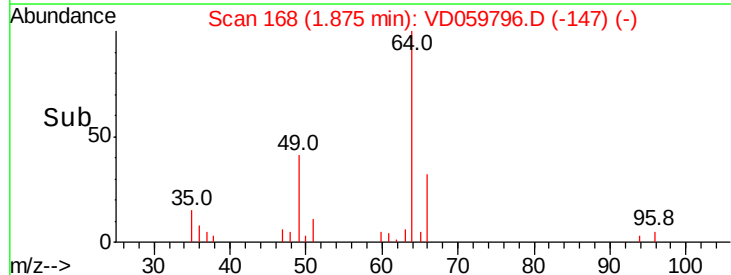
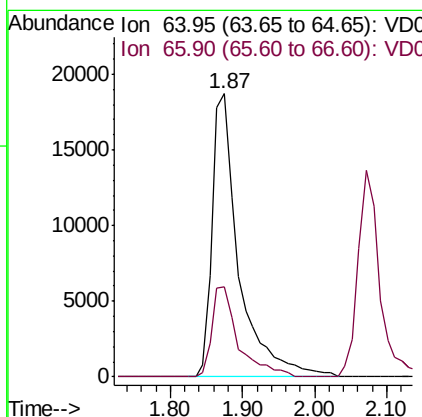
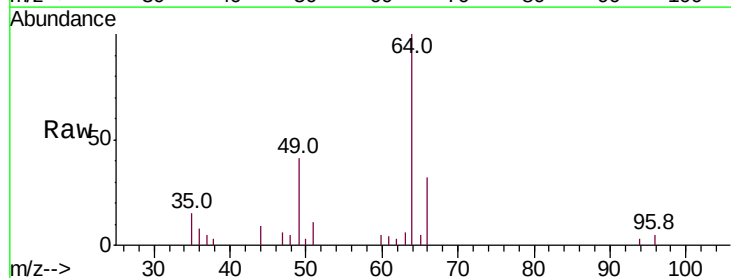
Instrument :
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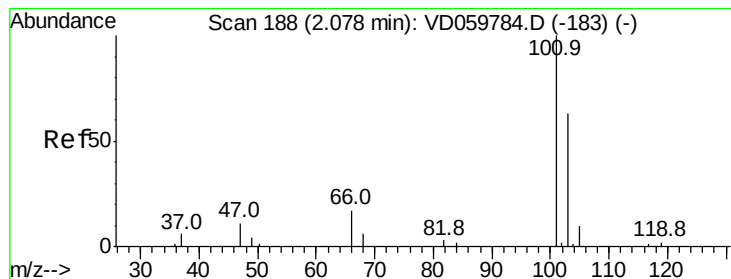
Tot Ion: 94 Resp: 38708
Ion Ratio Lower Upper
94 100
96 97.3 76.7 115.1



#6
Chloroethane
Concen: 51.525 ug/l
RT: 1.87 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 64 Resp: 47618
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.2



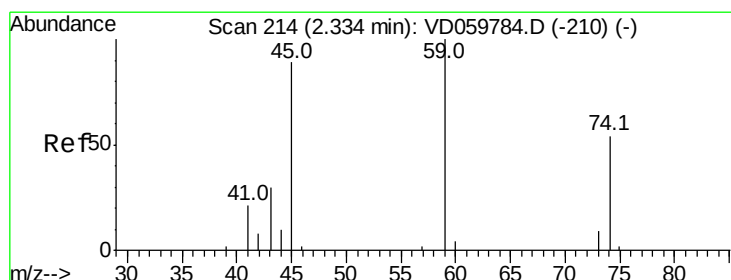
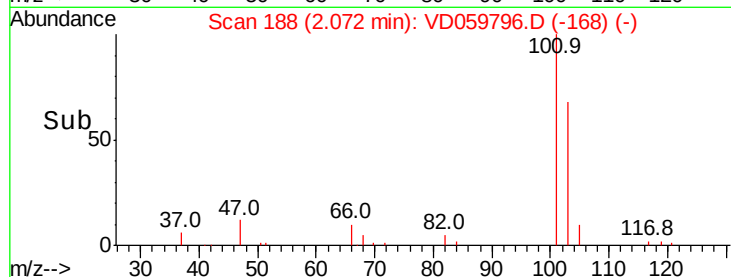
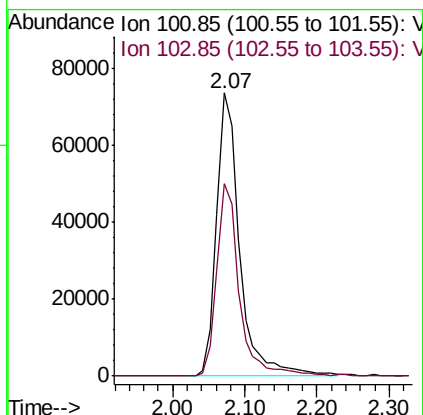
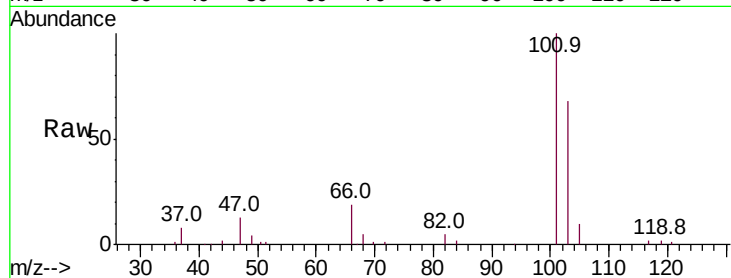


#7

Trichlorofluoromethane
 Concen: 46.861 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :

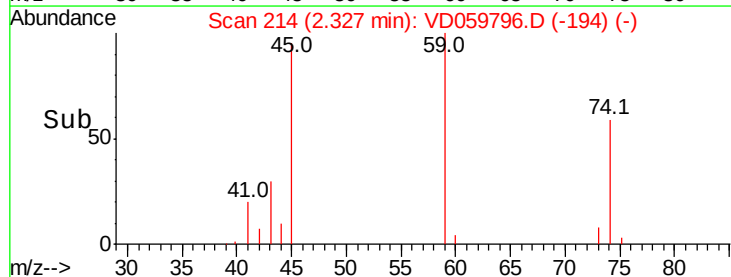
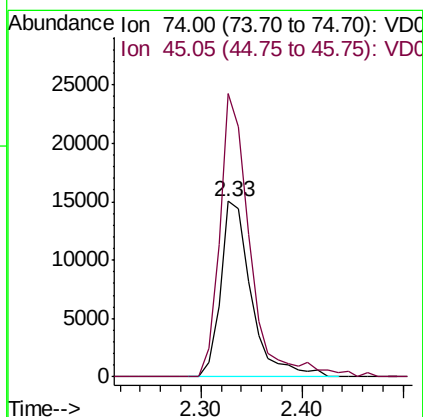
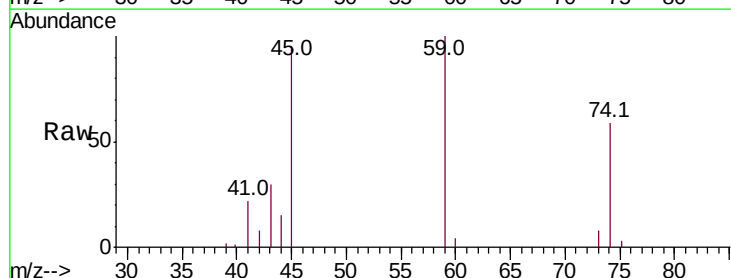
Tot Ion:101 Resp: 163065
 Ion Ratio Lower Upper
 101 100
 103 68.2 50.4 75.6

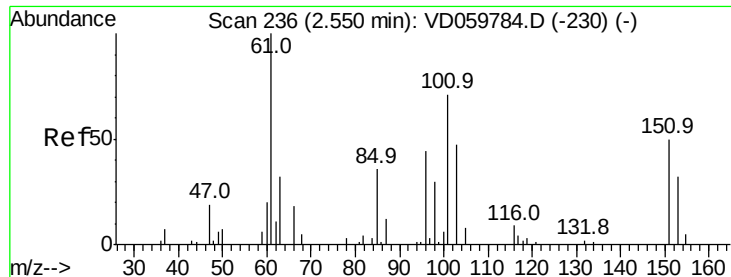


#8

Diethyl Ether
 Concen: 47.359 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 74 Resp: 31706
 Ion Ratio Lower Upper
 74 100
 45 161.2 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.099 ug/l

RT: 2.54 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

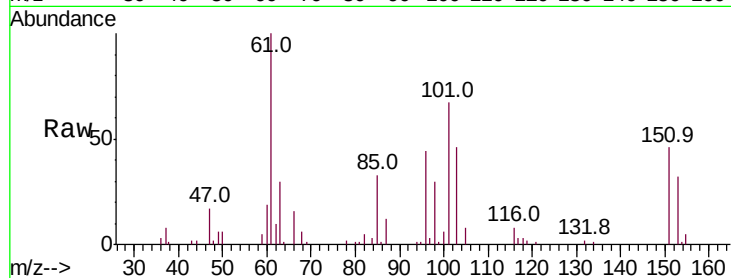
Tot Ion:101 Resp: 95817

Ion Ratio Lower Upper

101 100

85 48.6 40.6 61.0

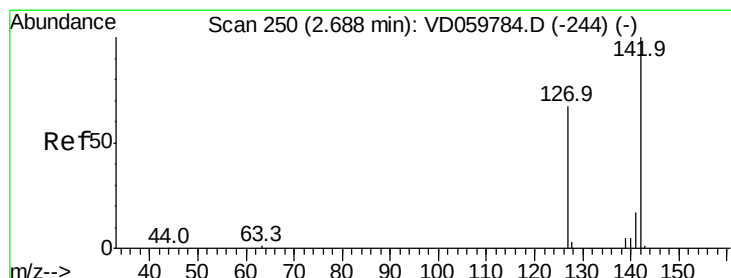
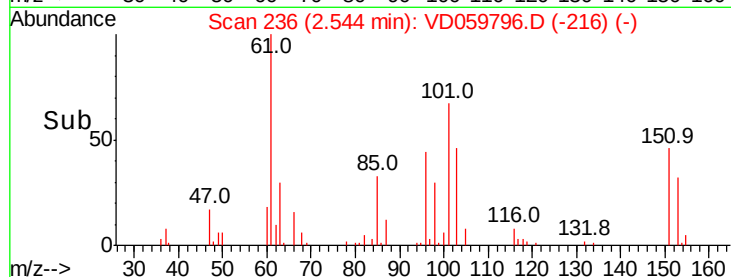
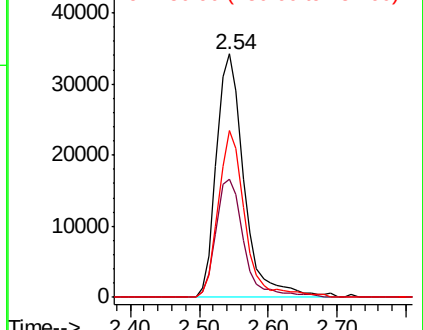
151 68.6 57.1 85.7



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: 44.367 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

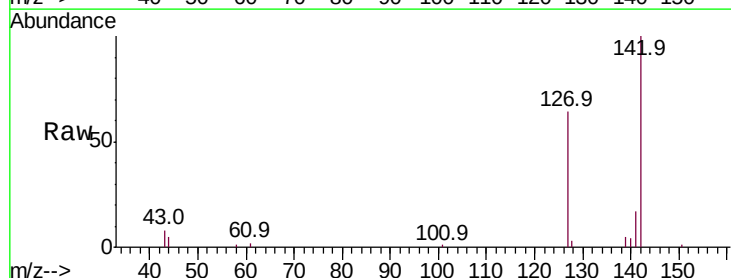
Tgt Ion:142 Resp: 104747

Ion Ratio Lower Upper

142 100

127 64.2 54.0 81.0

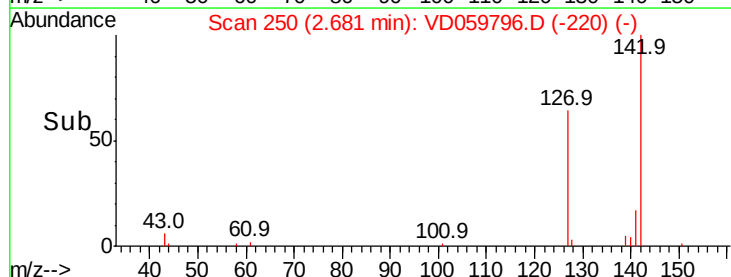
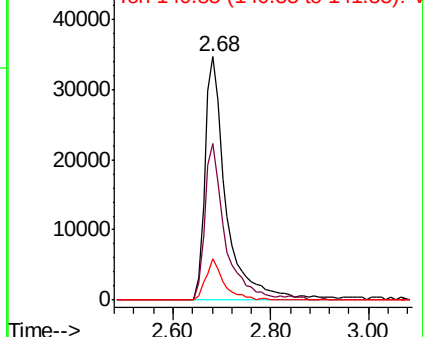
141 16.8 13.3 19.9

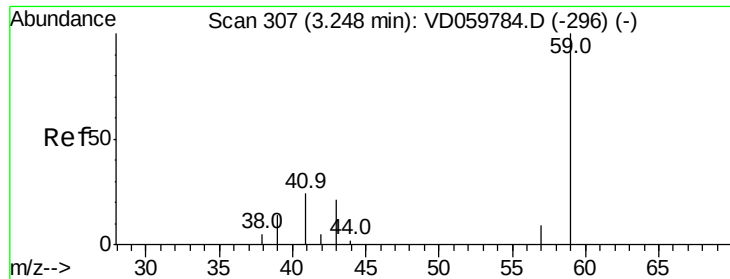


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

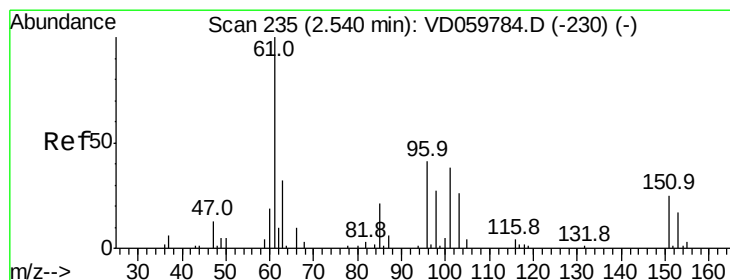
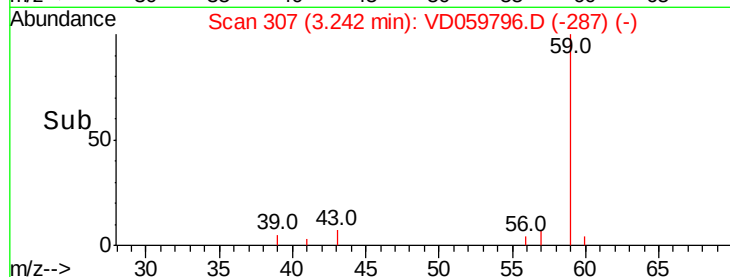
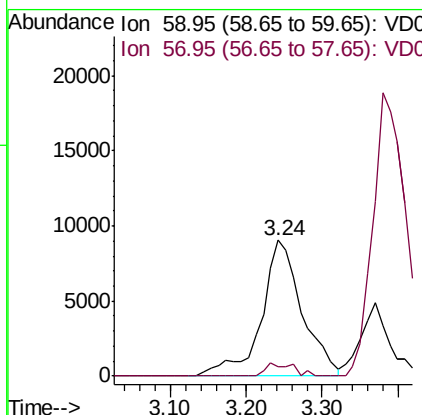
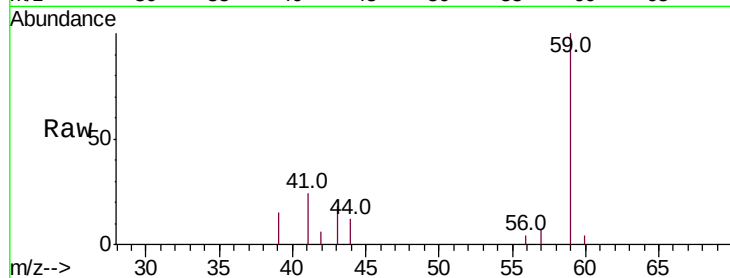




#11
Tert butyl alcohol
Concen: 238.270 ug/l
RT: 3.24 min Scan# 307
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

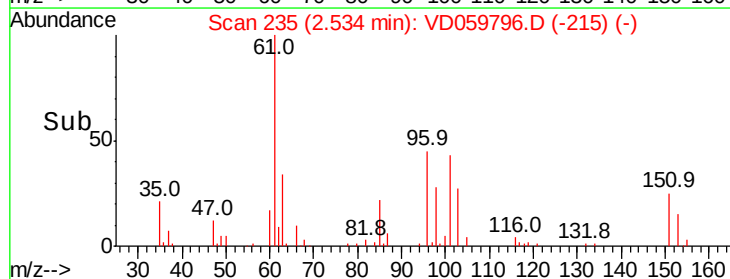
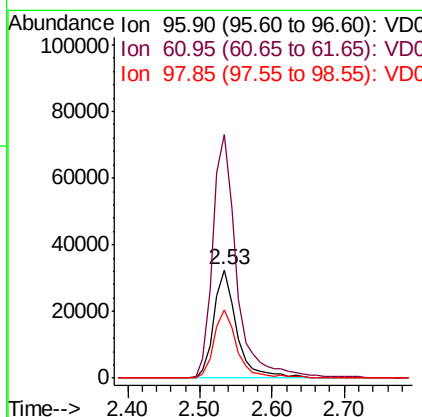
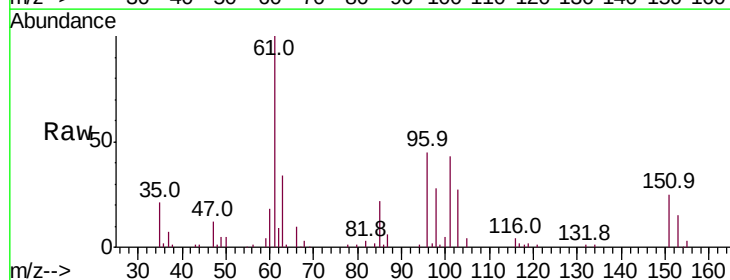
Instrument :
MSVOA_D
ClientSampleId :

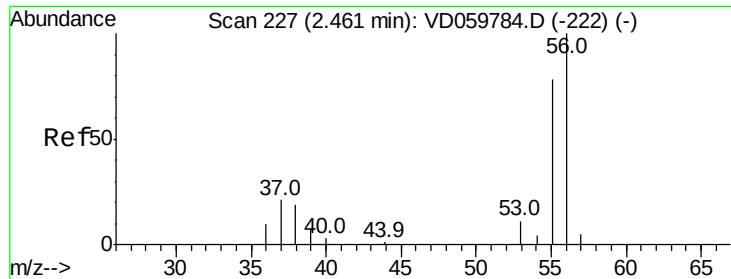
Tot Ion: 59 Resp: 33871
Ion Ratio Lower Upper
59 100
57 6.9 7.5 11.3#



#12
1,1-Dichloroethene
Concen: 50.010 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 96 Resp: 70561
Ion Ratio Lower Upper
96 100
61 224.2 194.1 291.1
98 63.0 52.3 78.5

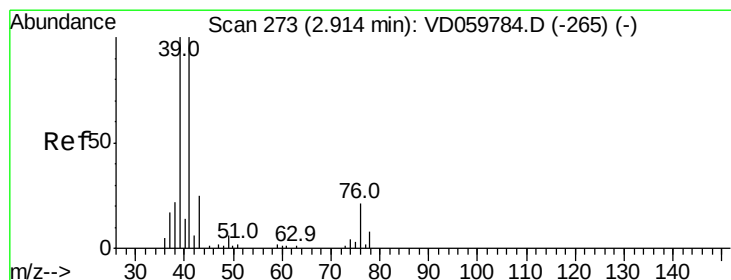
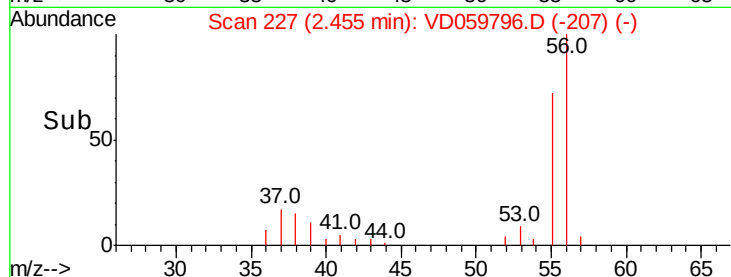
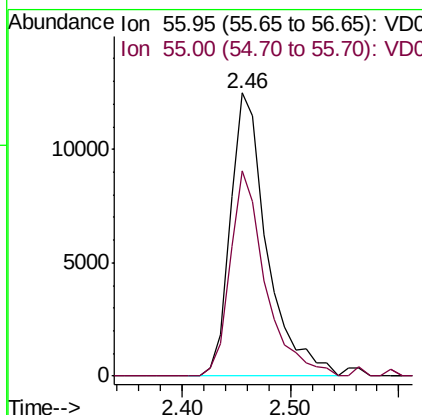
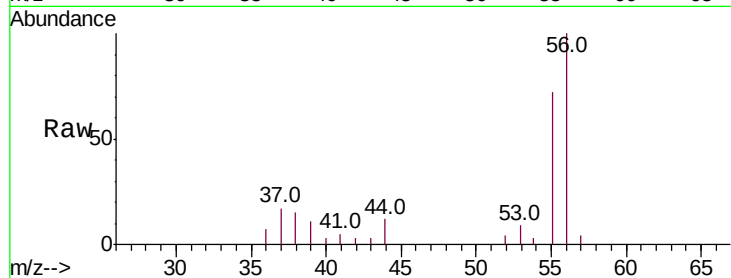




#13
Acrolein
Concen: 226.611 ug/l
RT: 2.46 min Scan# 227
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

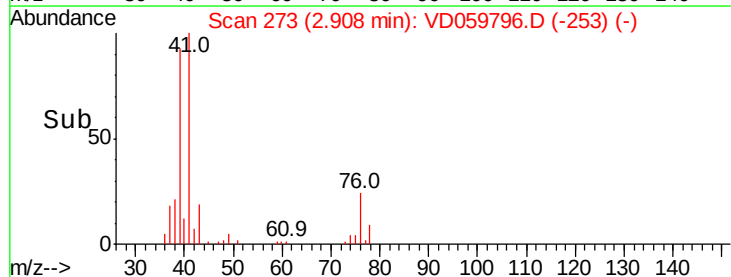
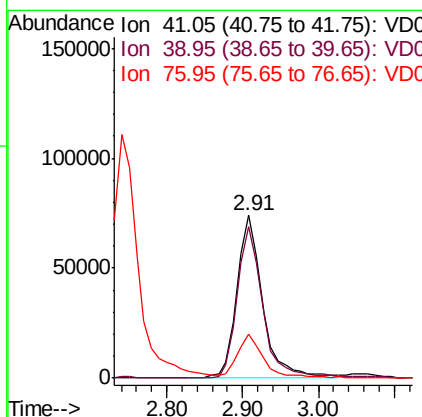
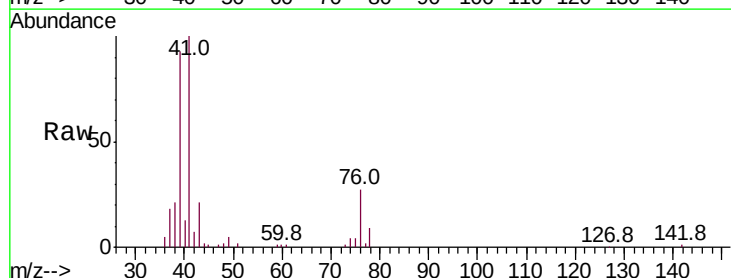
Instrument :
MSVOA_D
ClientSampled :

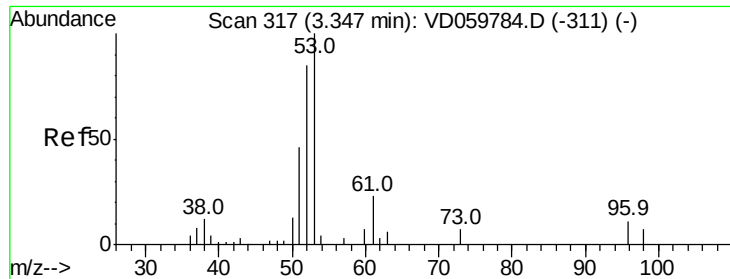
Tot Ion: 56 Resp: 29334
Ion Ratio Lower Upper
56 100
55 72.4 62.2 93.2



#14
Allyl chloride
Concen: 49.177 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 41 Resp: 174352
Ion Ratio Lower Upper
41 100
39 93.3 79.8 119.6
76 27.4 20.4 30.6





#15

Acrylonitrile

Concen: 229.585 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

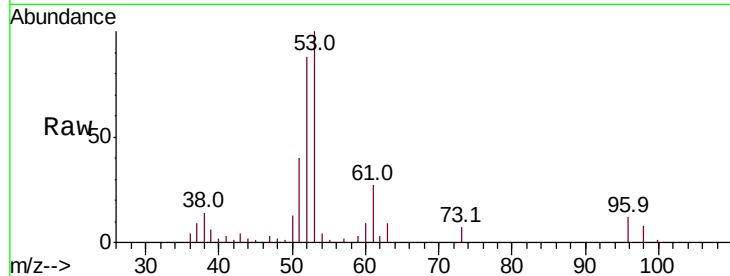
Tot Ion: 53 Resp: 114339

Ion Ratio Lower Upper

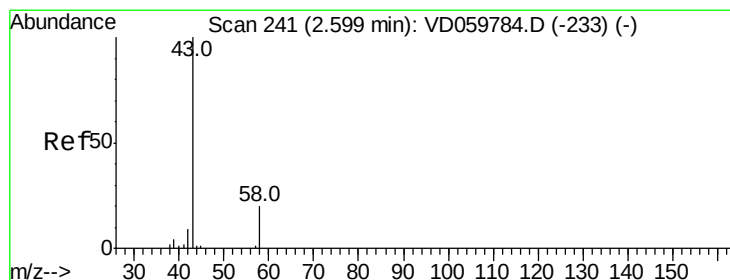
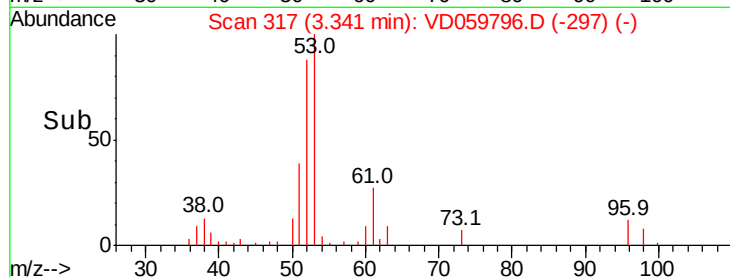
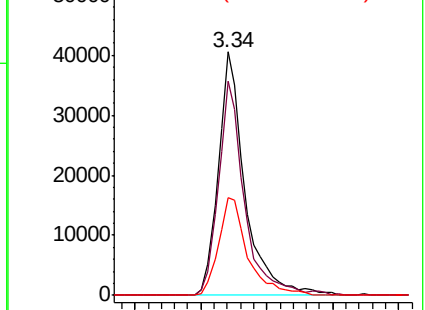
53 100

52 87.7 68.2 102.2

51 40.4 36.6 54.8



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



#16

Acetone

Concen: 298.270 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059796.D

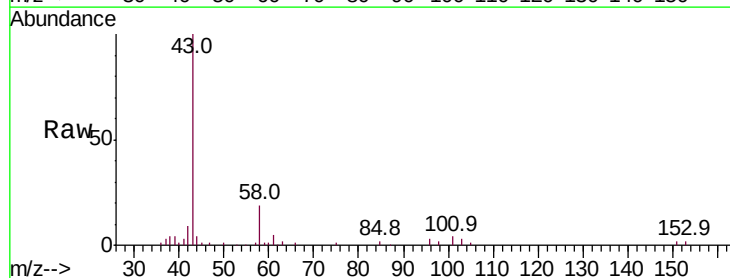
Acq: 15 Aug 2018 14:59

Tgt Ion: 43 Resp: 189127

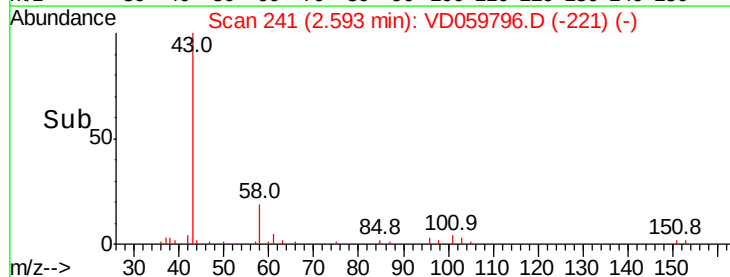
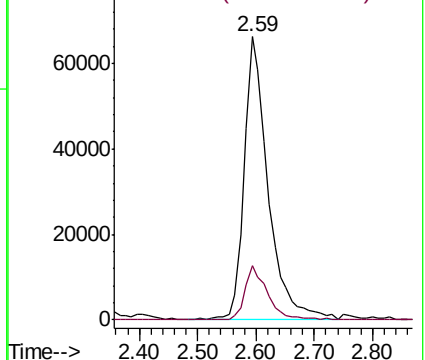
Ion Ratio Lower Upper

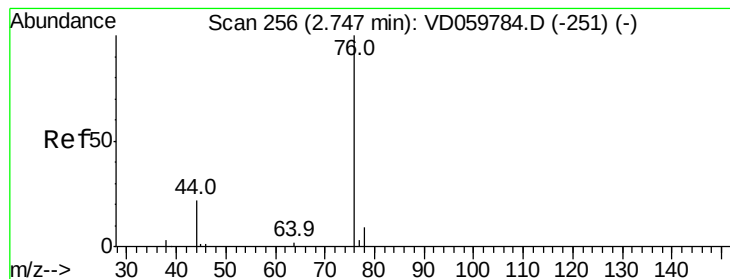
43 100

58 19.0 15.7 23.5



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





#17

Carbon Disulfide

Concen: 54.141 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

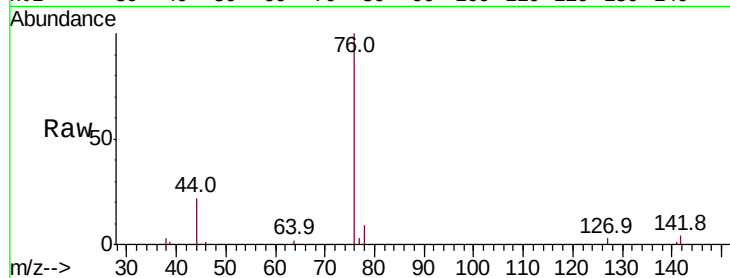
ClientSampleId :

Tot Ion: 76 Resp: 255993

Ion Ratio Lower Upper

76 100

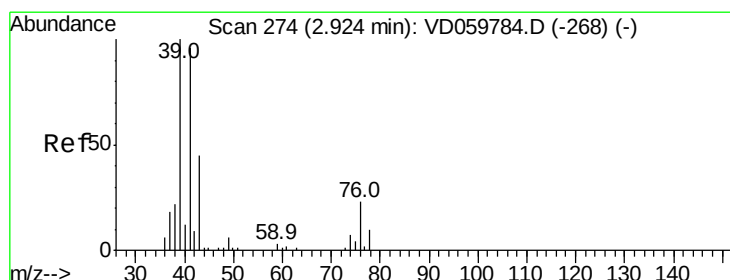
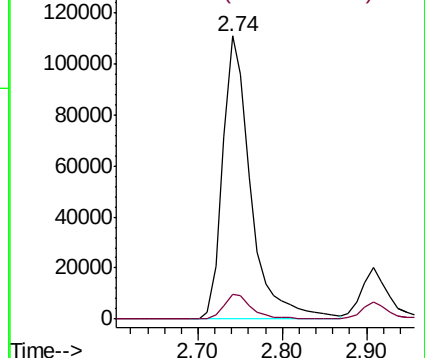
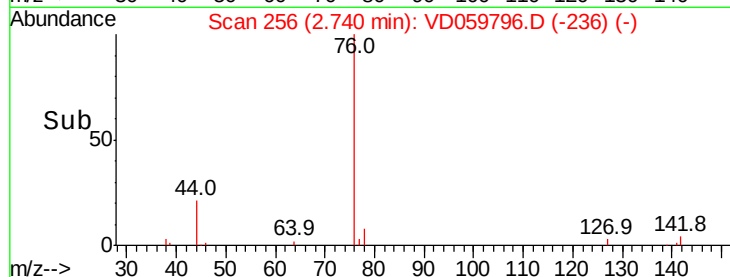
78 8.8 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.74



#18

Methyl Acetate

Concen: 46.160 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059796.D

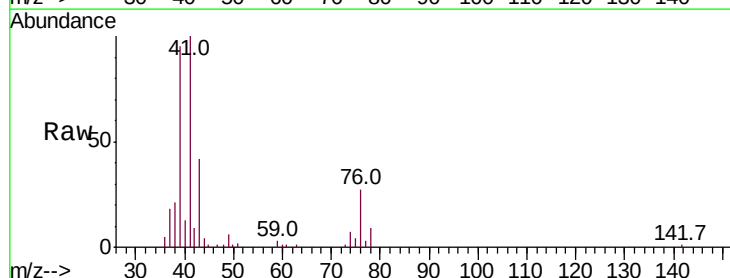
Acq: 15 Aug 2018 14:59

Tgt Ion: 43 Resp: 62554

Ion Ratio Lower Upper

43 100

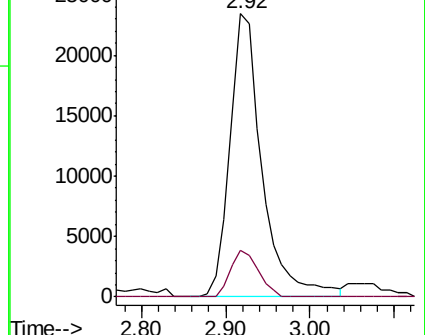
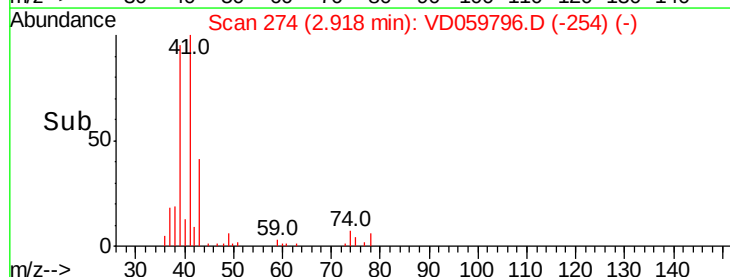
74 16.6 12.4 18.6

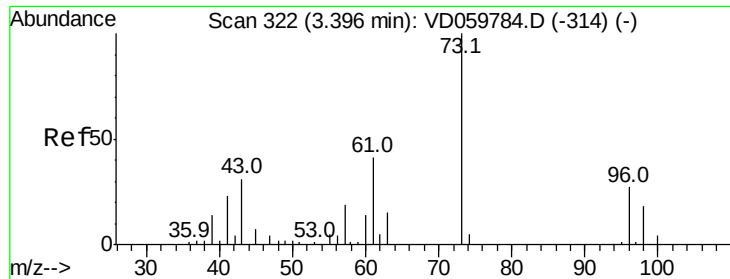


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.92

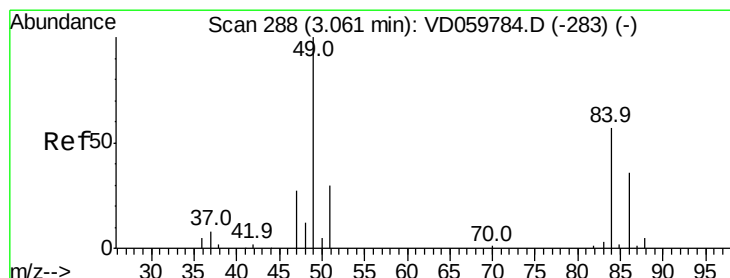
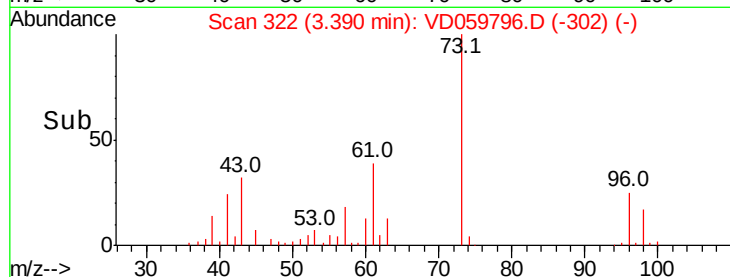
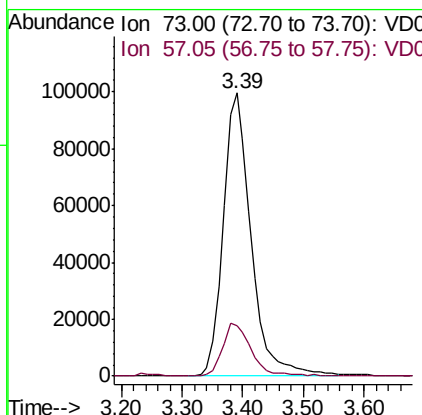
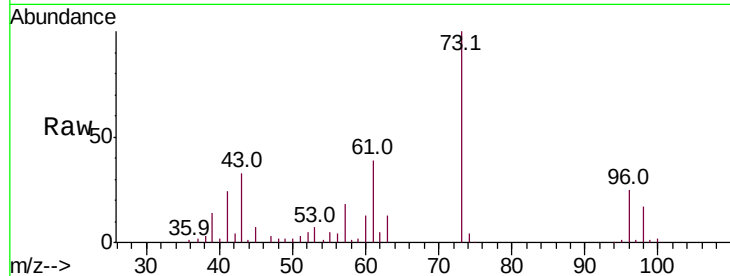




#19
Methyl tert-butyl Ether
Concen: 46.003 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

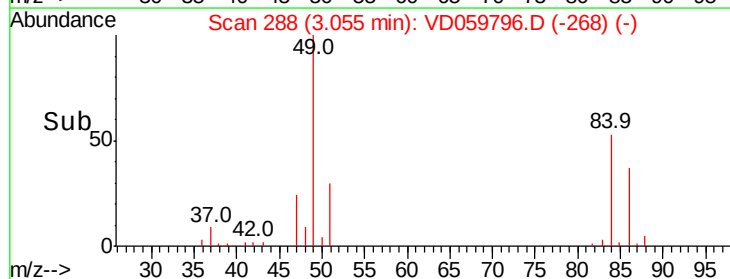
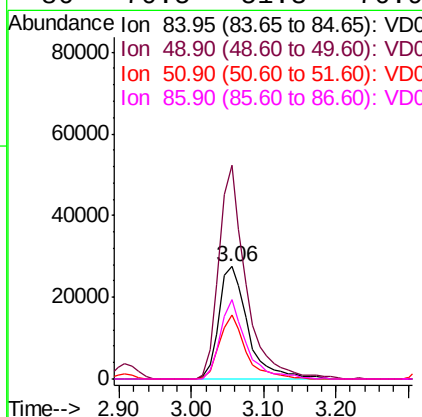
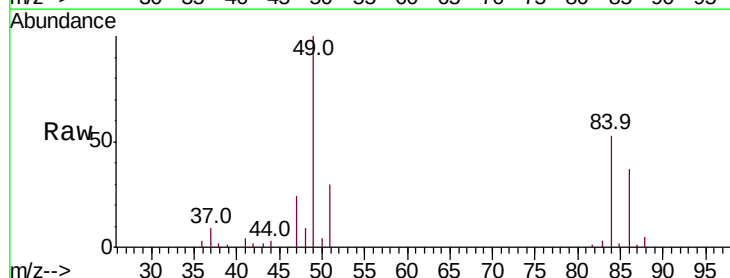
Instrument :
MSVOA_D
ClientSampleID :

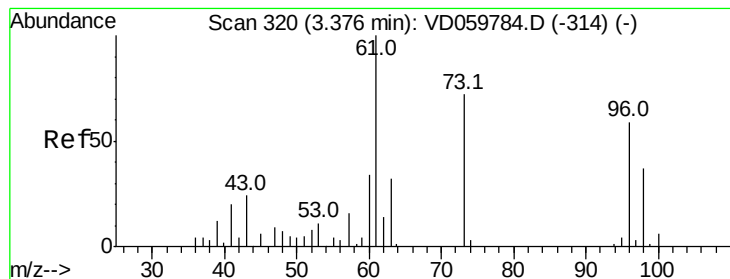
Tot Ion: 73 Resp: 316813
Ion Ratio Lower Upper
73 100
57 17.6 14.8 22.2



#20
Methylene Chloride
Concen: 44.289 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 84 Resp: 76700
Ion Ratio Lower Upper
84 100
49 190.0 140.9 211.3
51 57.3 42.8 64.2
86 70.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.502 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampled :

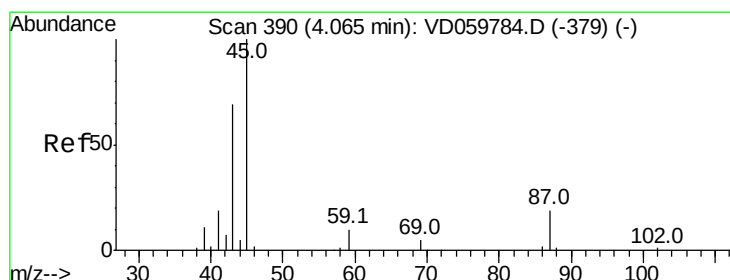
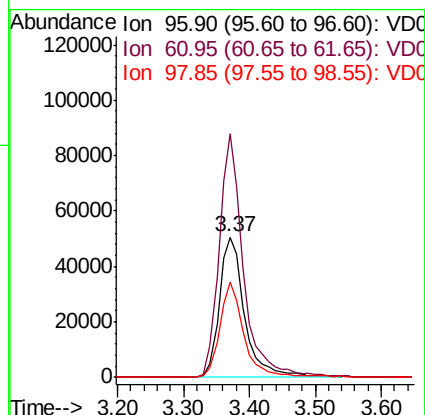
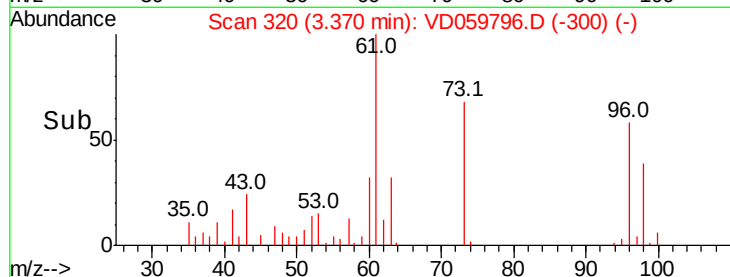
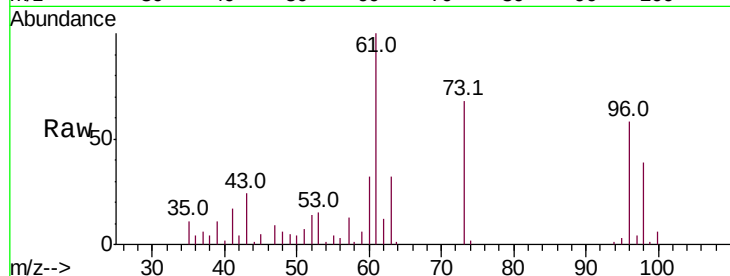
Tot Ion: 96 Resp: 134847

Ion Ratio Lower Upper

96 100

61 173.7 134.8 202.2

98 67.7 50.0 75.0



#22

Diisopropyl ether

Concen: 47.195 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.02 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Tgt Ion: 45 Resp: 451404

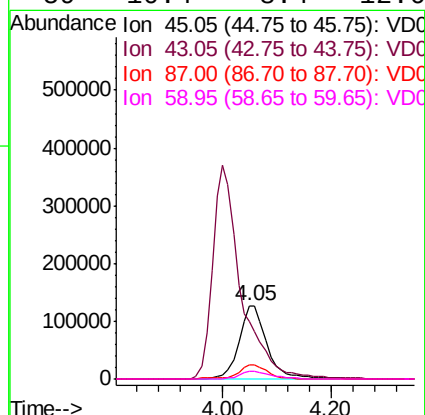
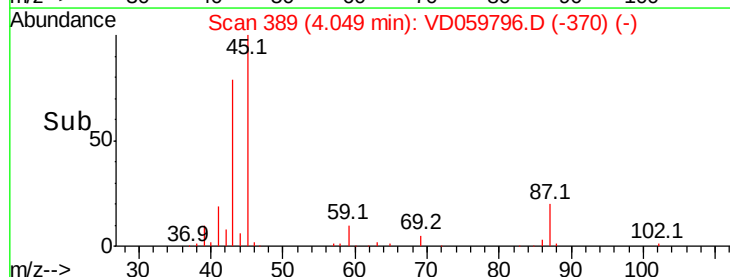
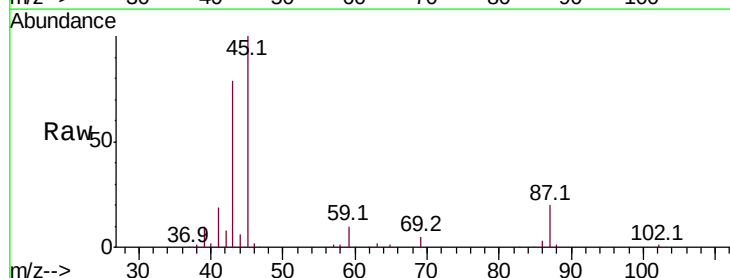
Ion Ratio Lower Upper

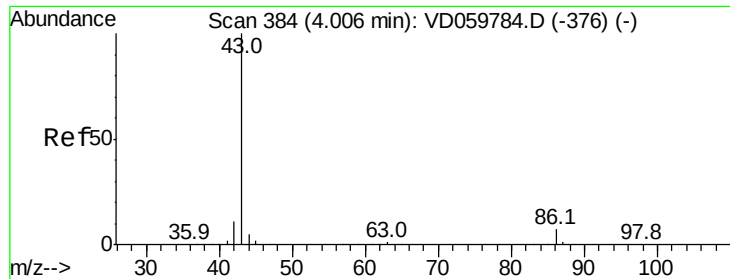
45 100

43 78.9 57.5 86.3

87 19.6 16.1 24.1

59 10.4 8.4 12.6





#23

Vinyl Acetate

Concen: 245.201 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

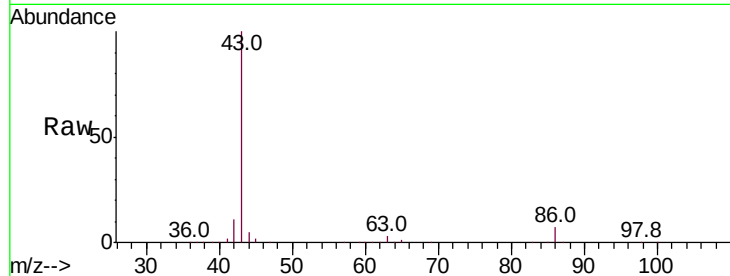
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1328184

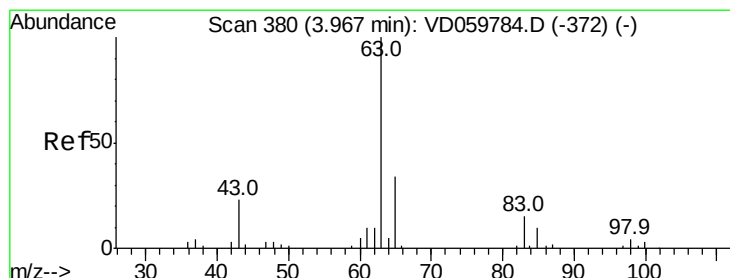
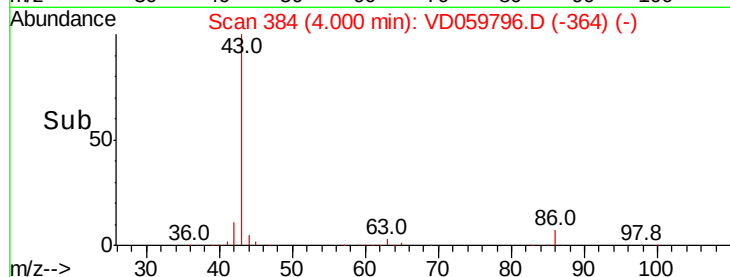
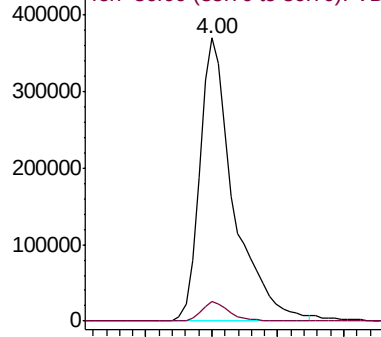
Ion Ratio Lower Upper

43 100

86 7.0 5.4 8.0



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



#24

1,1-Dichloroethane

Concen: 46.410 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

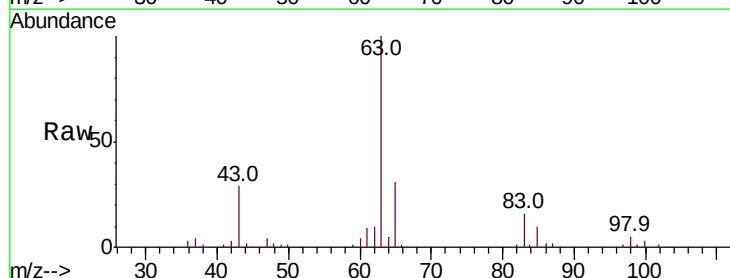
Tgt Ion: 63 Resp: 263340

Ion Ratio Lower Upper

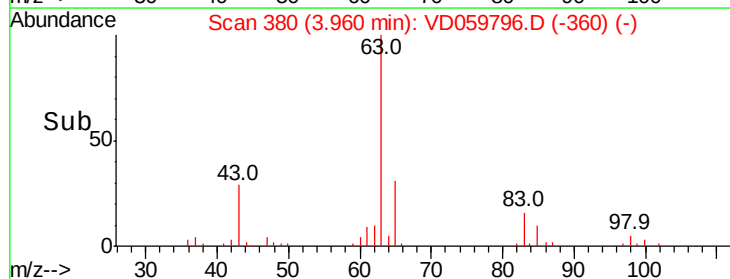
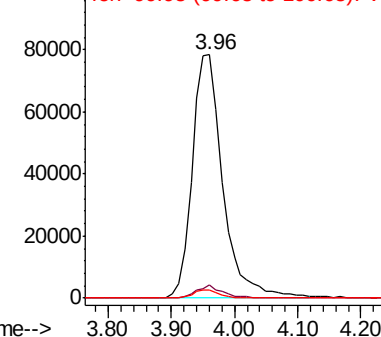
63 100

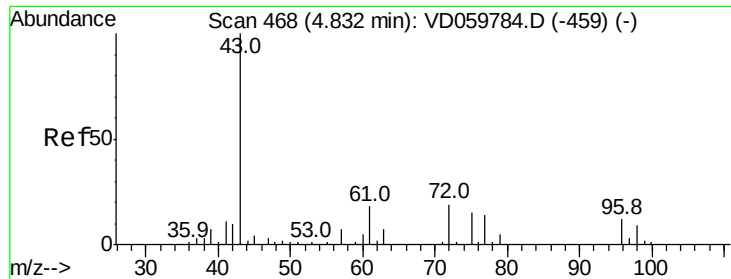
98 5.2 2.2 6.6

100 3.1 1.6 4.7



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: 268.672 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

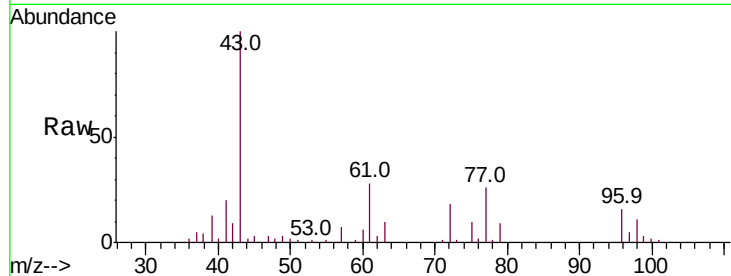
ClientSampled :

Tot Ion: 43 Resp: 260738

Ion Ratio Lower Upper

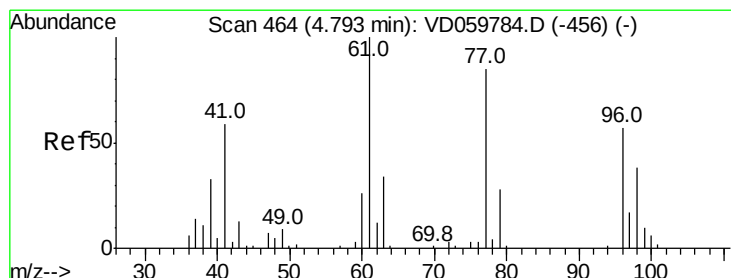
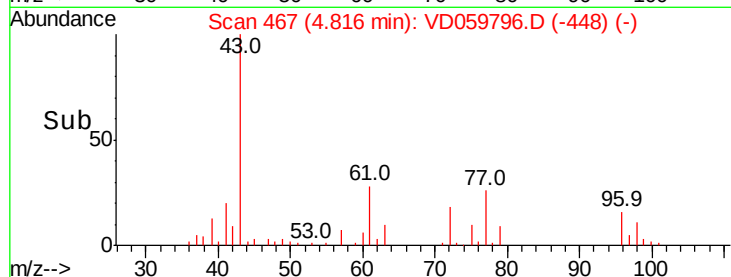
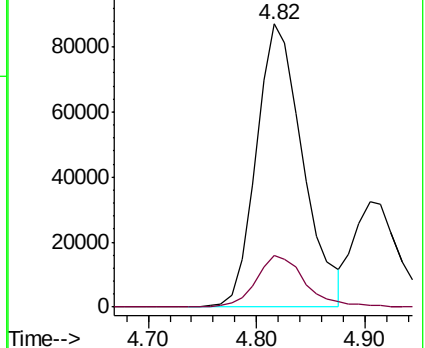
43 100

72 18.3 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.206 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD059796.D

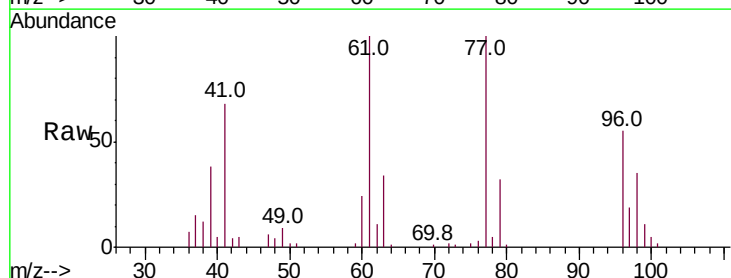
Acq: 15 Aug 2018 14:59

Tgt Ion: 77 Resp: 265688

Ion Ratio Lower Upper

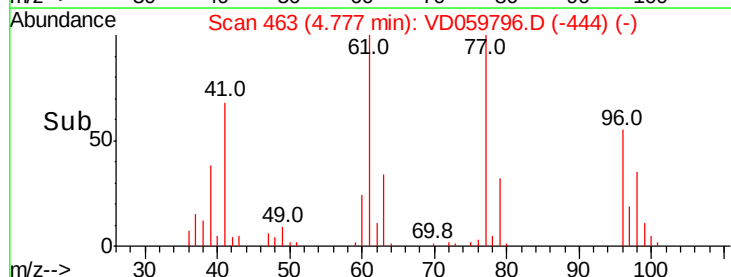
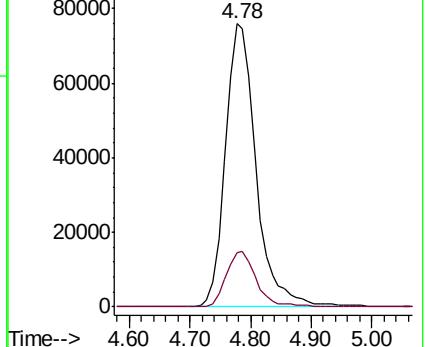
77 100

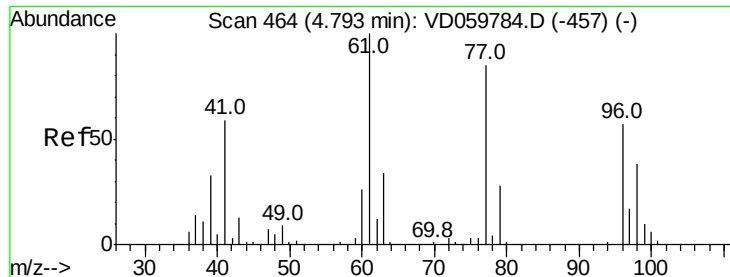
97 19.2 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



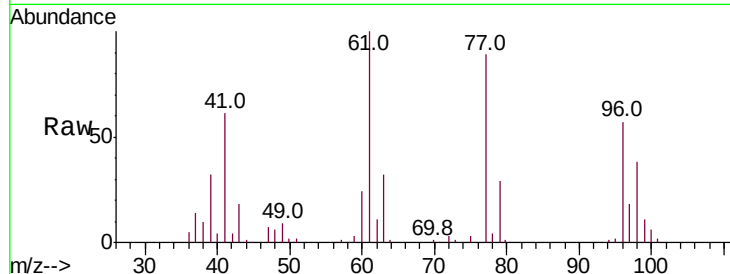


#27

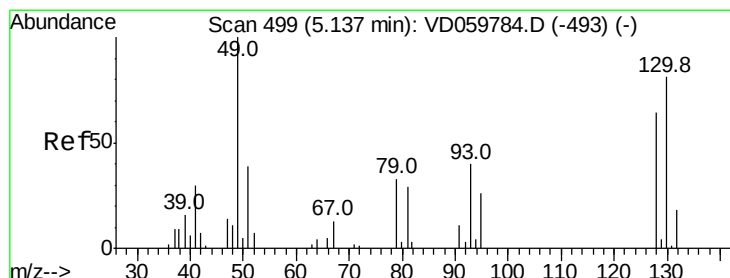
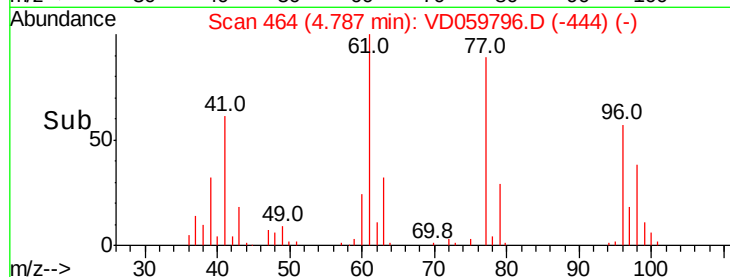
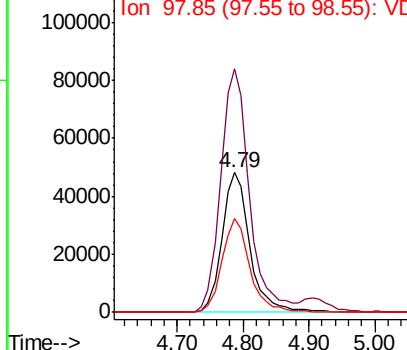
cis-1,2-Dichloroethene
 Concen: 46.445 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 141478
 Ion Ratio Lower Upper
 96 100
 61 174.1 0.0 351.6
 98 66.8 0.0 135.2



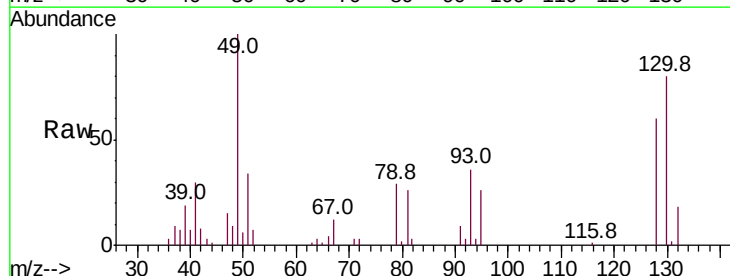
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



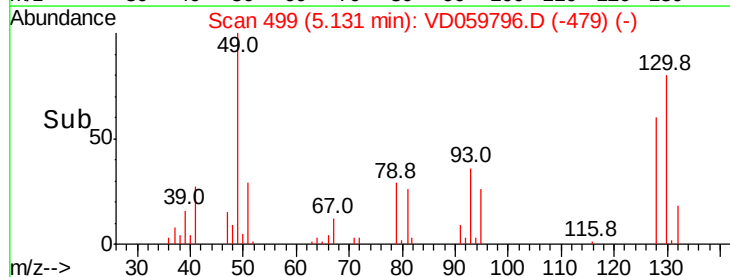
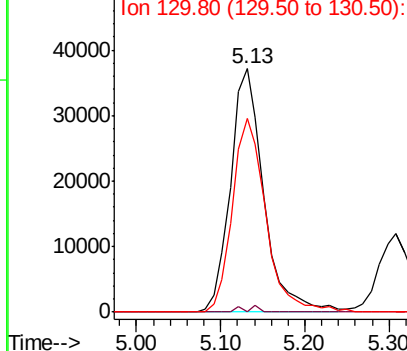
#28

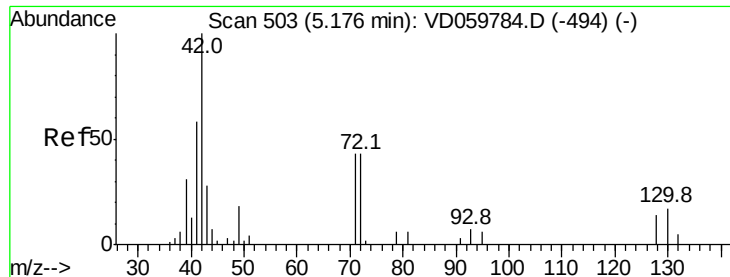
Bromochloromethane
 Concen: 45.870 ug/l
 RT: 5.13 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 49 Resp: 102126
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 79.8 64.8 97.2



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





#29

Tetrahydrofuran

Concen: 235.735 ug/l

RT: 5.17 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

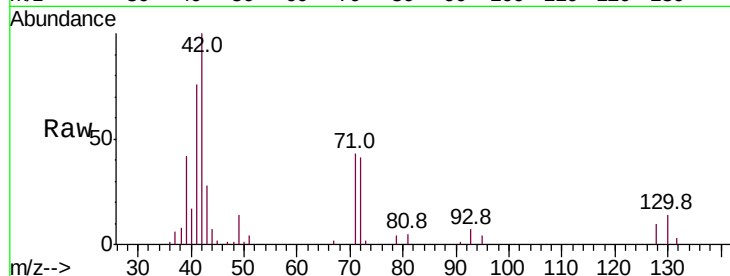
Tot Ion: 42 Resp: 97607

Ion Ratio Lower Upper

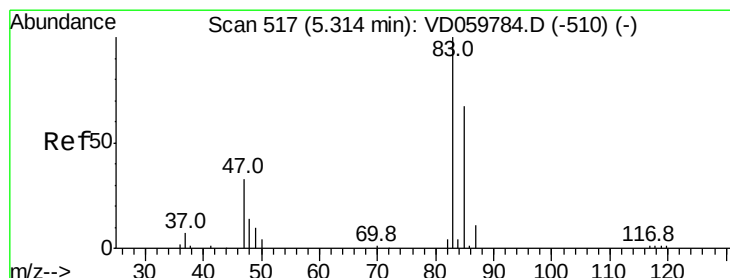
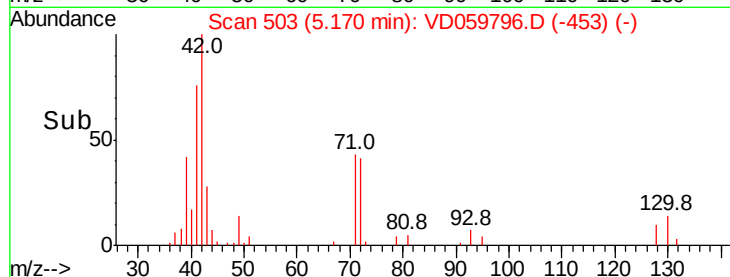
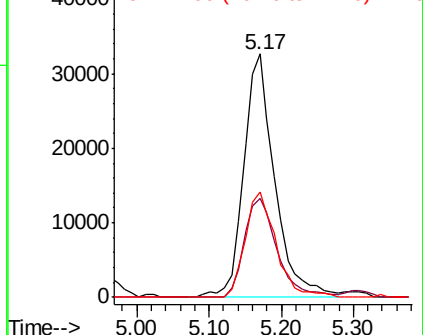
42 100

72 43.2 34.3 51.5

71 43.2 33.0 49.6



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: 42.663 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD059796.D

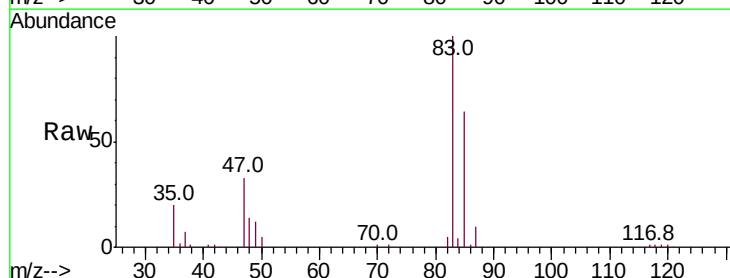
Acq: 15 Aug 2018 14:59

Tgt Ion: 83 Resp: 290674

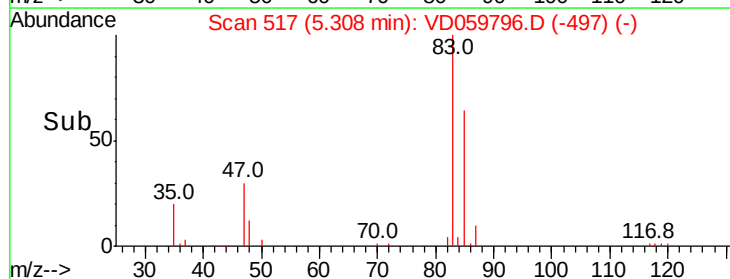
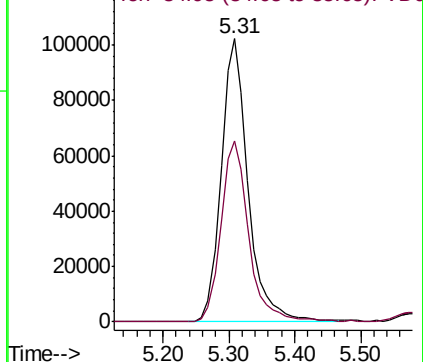
Ion Ratio Lower Upper

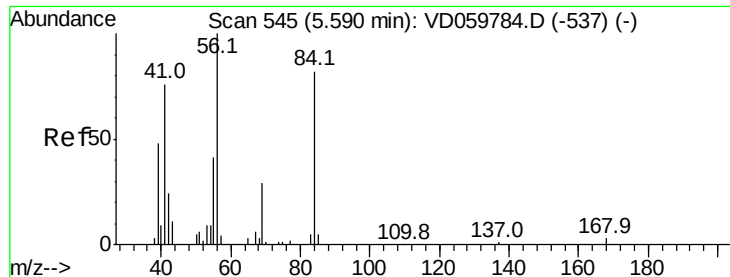
83 100

85 64.2 53.4 80.2



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

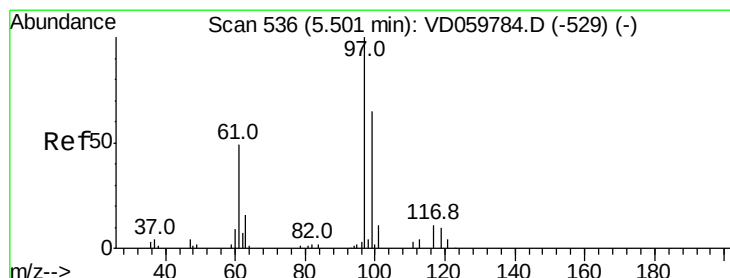
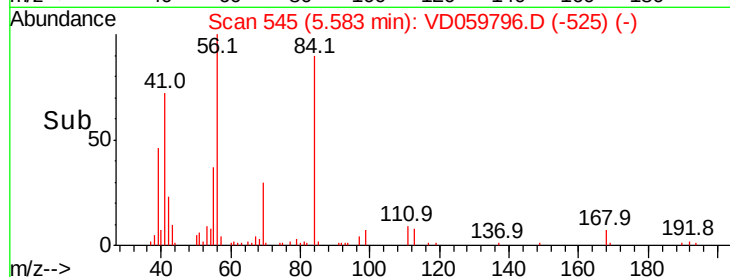
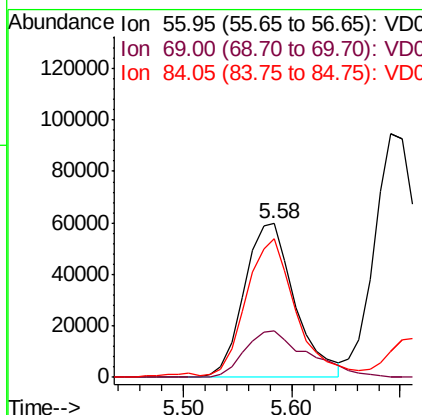
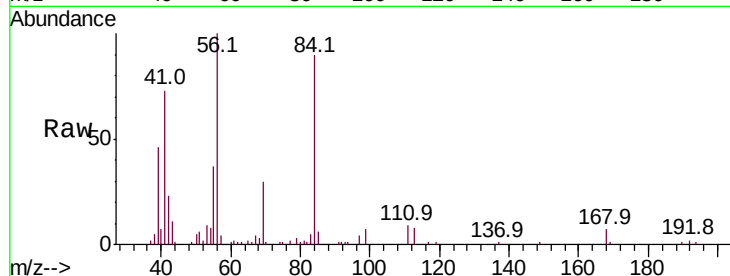




#31
Cyclohexane
Concen: 47.699 ug/l
RT: 5.58 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

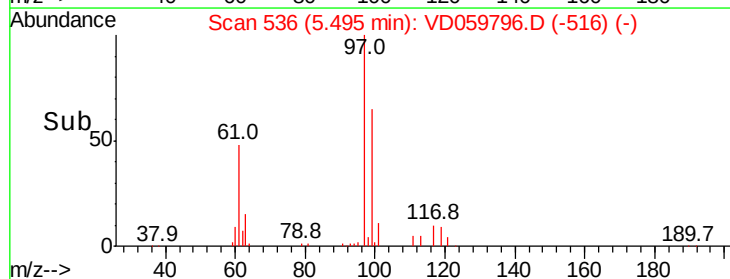
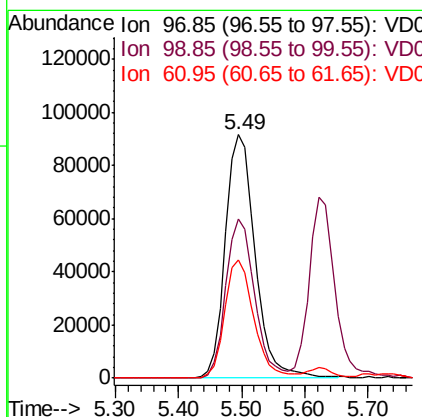
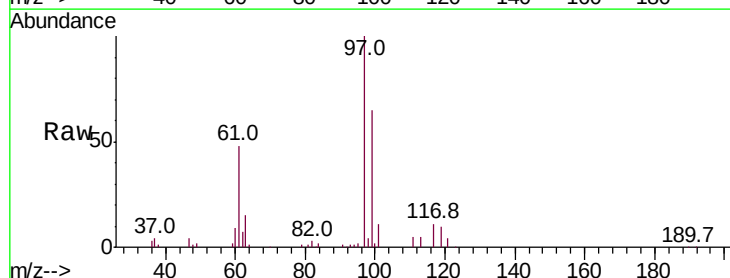
Instrument :
MSVOA_D
ClientSampleId :

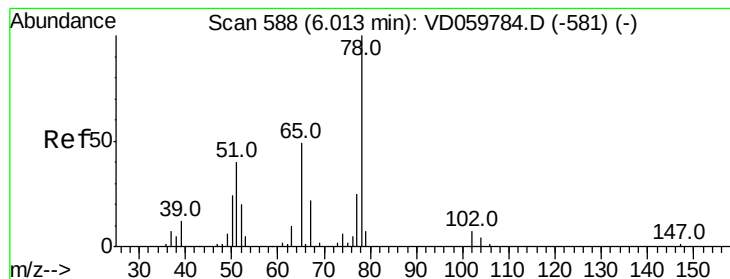
Tot Ion: 56 Resp: 194653
Ion Ratio Lower Upper
56 100
69 30.4 23.4 35.2
84 90.4 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 49.998 ug/l
RT: 5.49 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 97 Resp: 299514
Ion Ratio Lower Upper
97 100
99 65.4 52.2 78.2
61 48.4 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 49.998 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

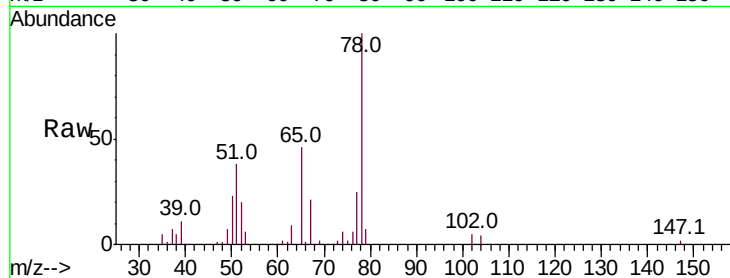
ClientSampleId :

Tot Ion: 65 Resp: 180845

Ion Ratio Lower Upper

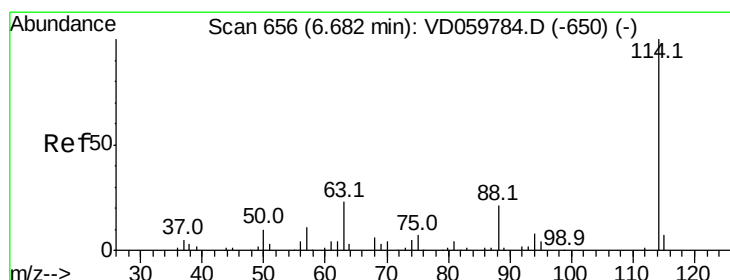
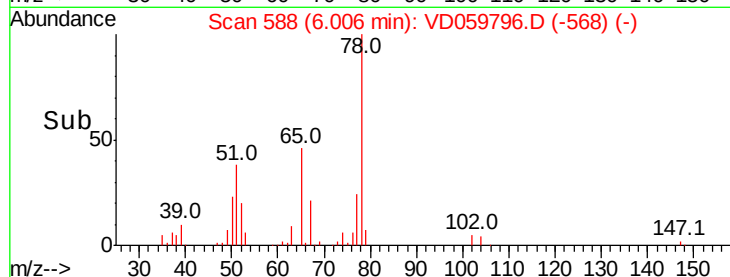
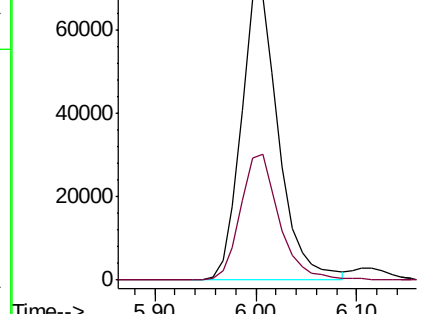
65 100

67 44.7 0.0 87.8



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: 6.68 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

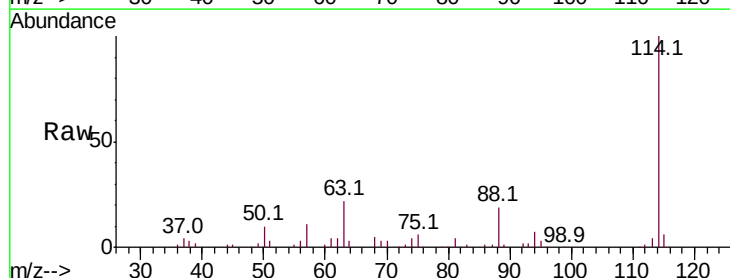
Tgt Ion:114 Resp: 398932

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

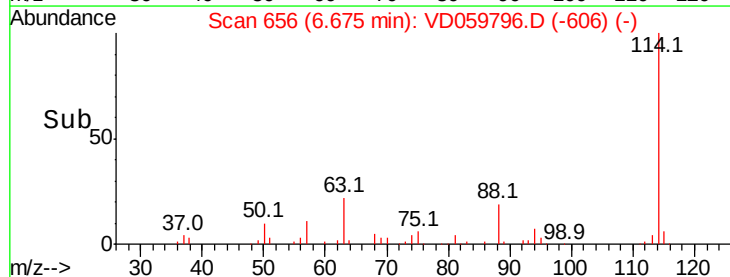
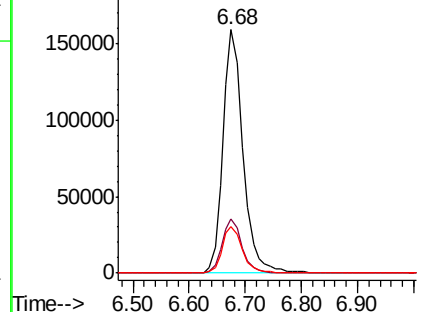
88 19.1 0.0 41.2

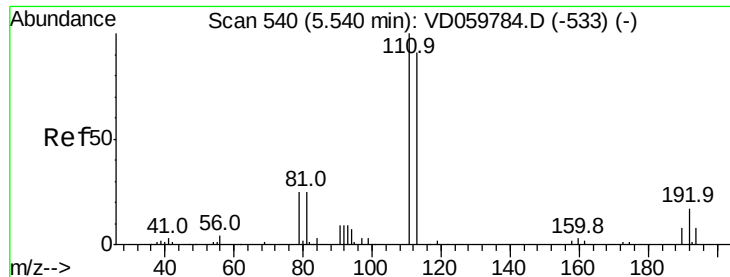


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.53 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

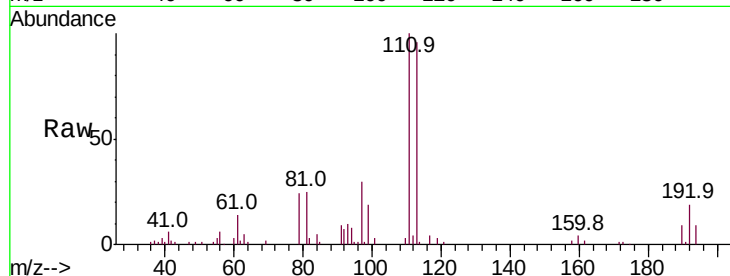
Tot Ion:113 Resp: 173584

Ion Ratio Lower Upper

113 100

111 103.7 87.7 131.5

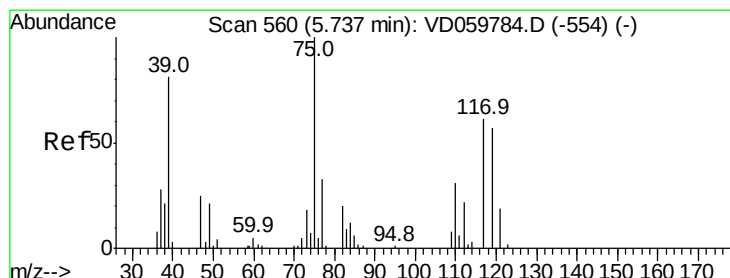
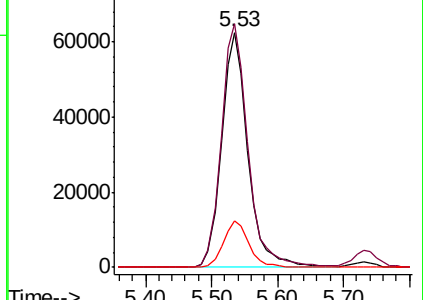
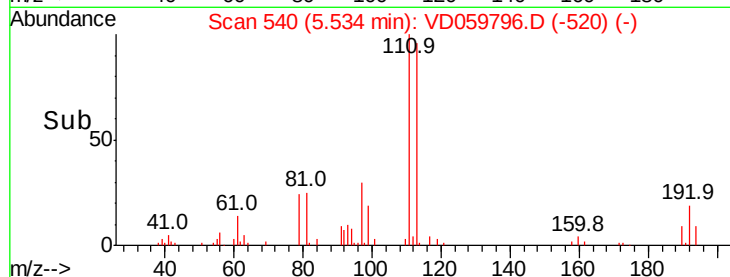
192 20.0 14.6 21.8



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: 50.442 ug/l

RT: 5.73 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

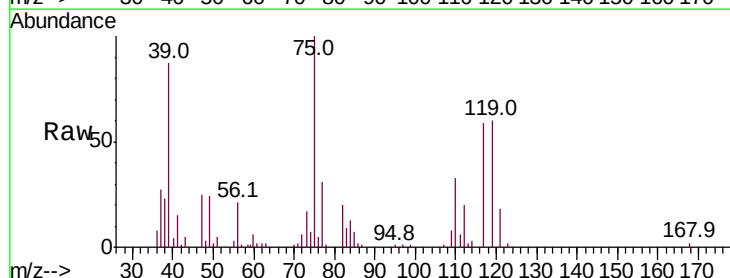
Tgt Ion: 75 Resp: 206456

Ion Ratio Lower Upper

75 100

110 33.3 15.3 45.8

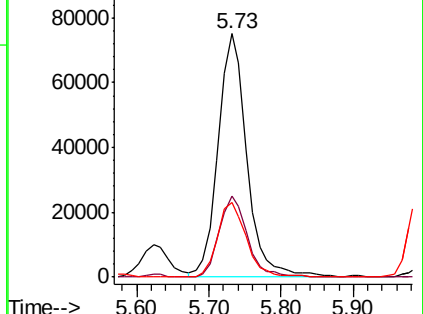
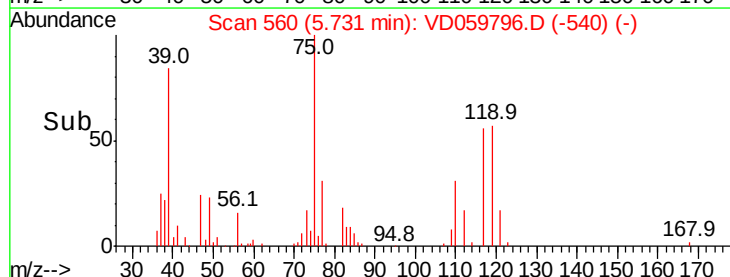
77 30.7 26.2 39.4

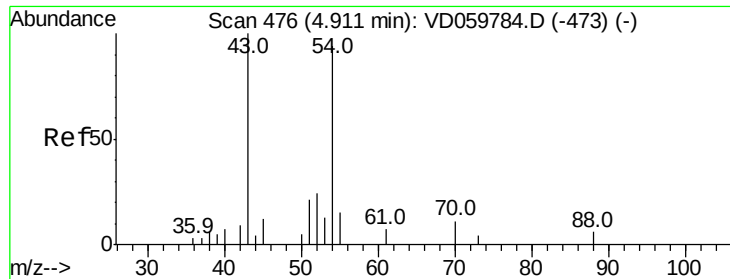


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

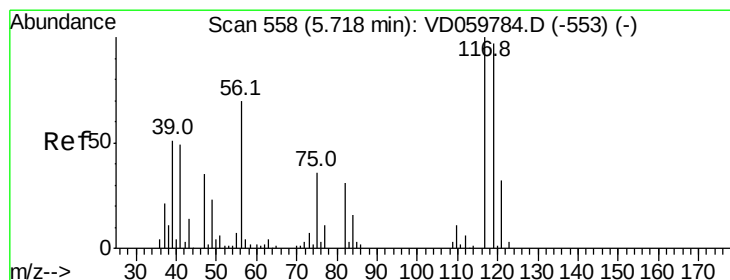
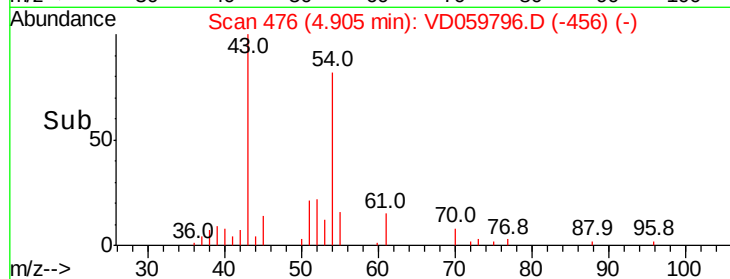
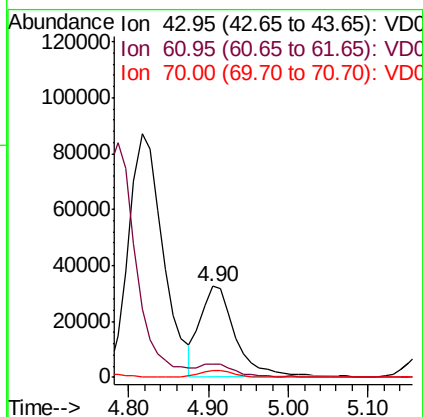
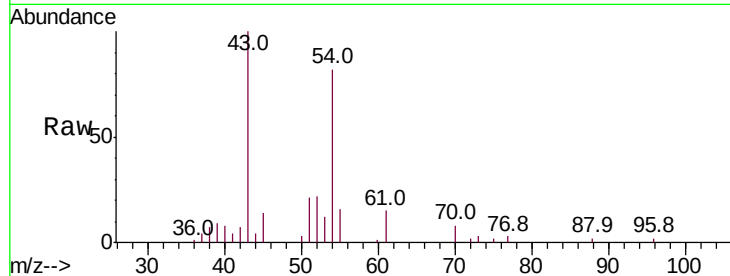




#37
Ethyl Acetate
Concen: 48.279 ug/l
RT: 4.90 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

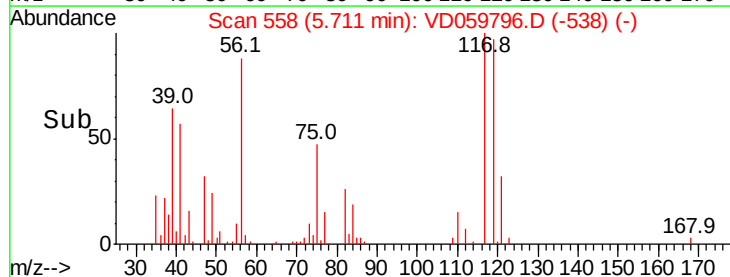
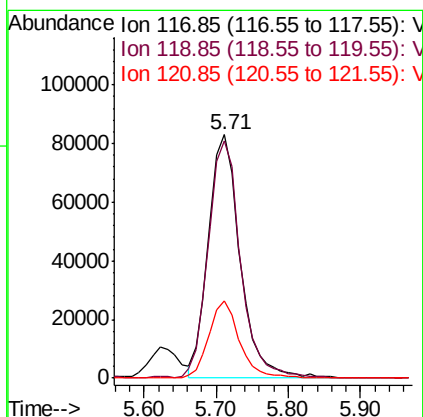
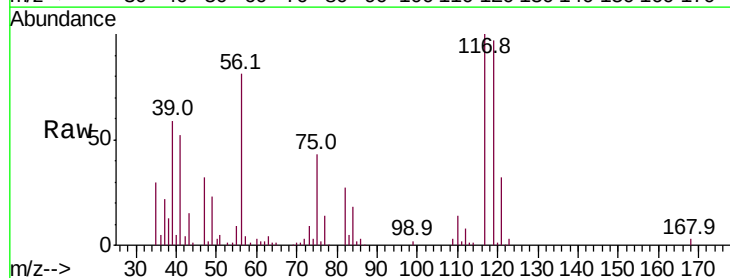
Instrument :
MSVOA_D
ClientSampleID :

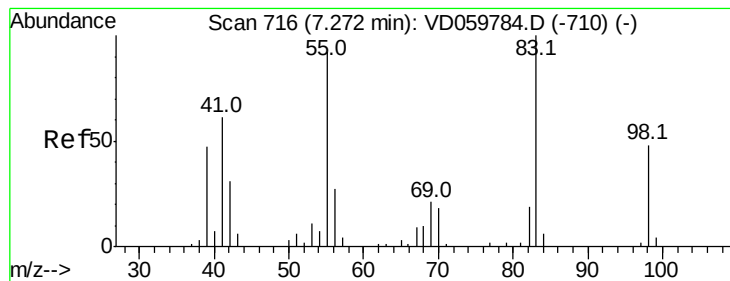
Tot Ion: 43 Resp: 98832
Ion Ratio Lower Upper
43 100
61 14.7 10.2 15.2
70 8.0 5.8 8.8



#38
Carbon Tetrachloride
Concen: 50.383 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 117 Resp: 248791
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5
121 31.7 24.7 37.1





#39

Methylcyclohexane

Concen: 53.384 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampled :

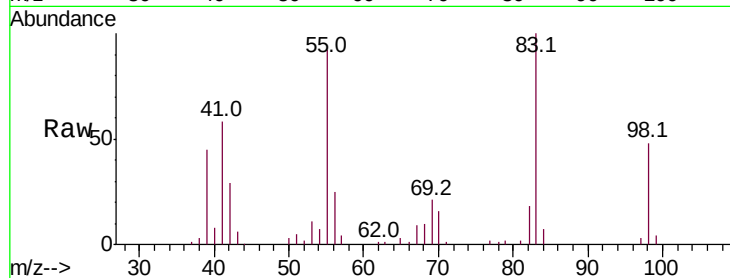
Tot Ion: 83 Resp: 189011

Ion Ratio Lower Upper

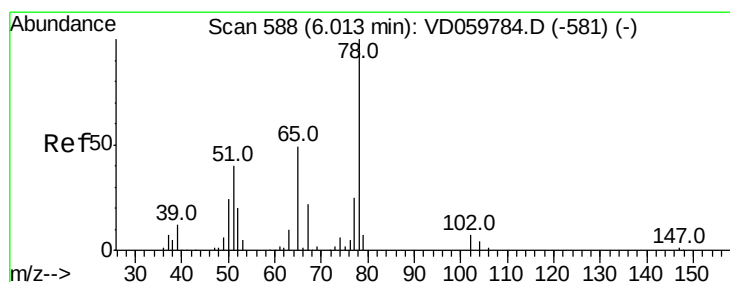
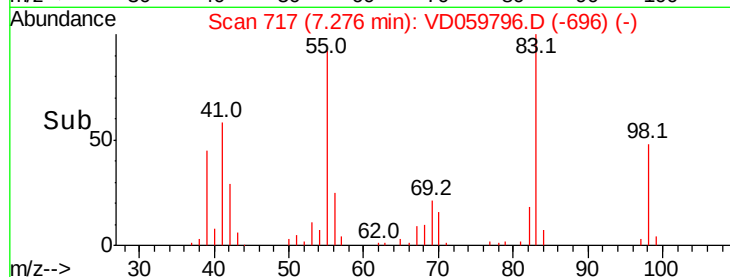
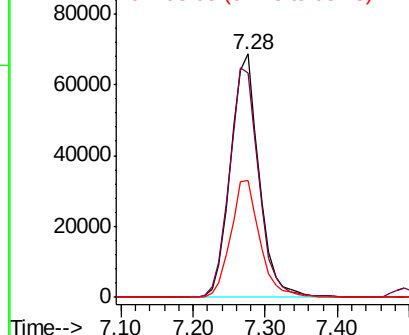
83 100

55 92.3 73.8 110.6

98 47.8 38.4 57.6



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: 50.249 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059796.D

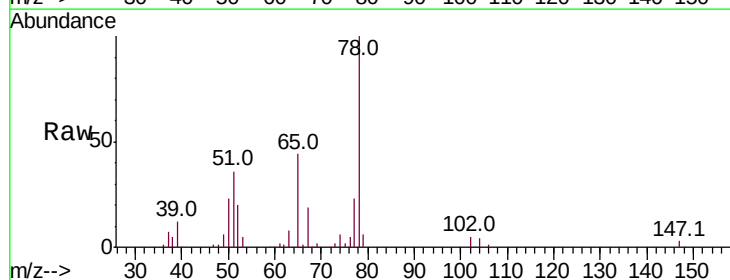
Acq: 15 Aug 2018 14:59

Tgt Ion: 78 Resp: 436246

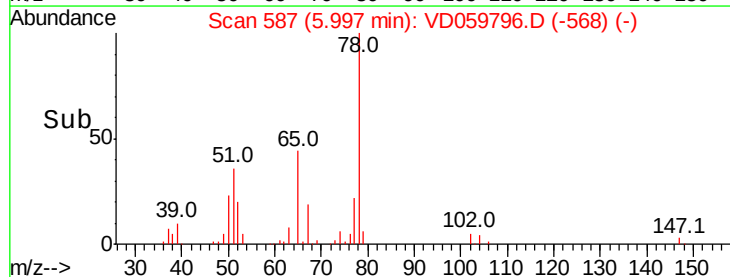
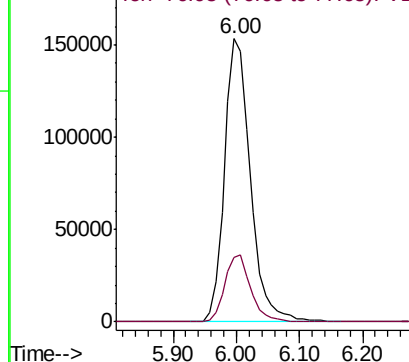
Ion Ratio Lower Upper

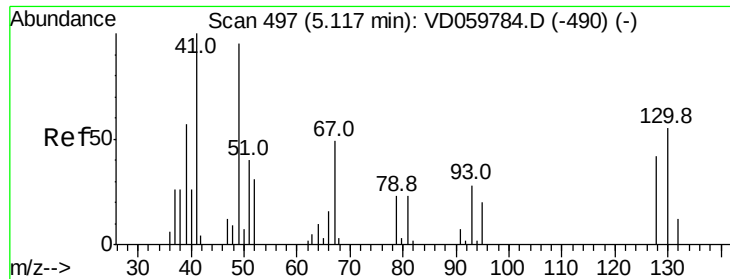
78 100

77 22.7 19.6 29.4



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

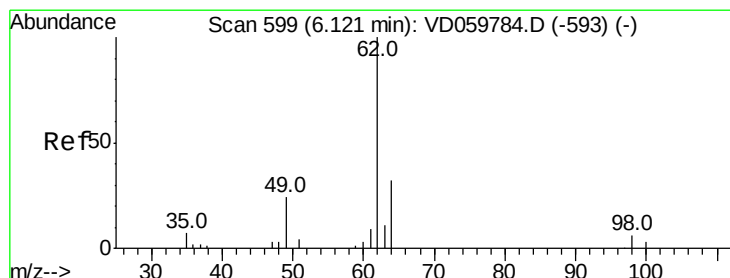
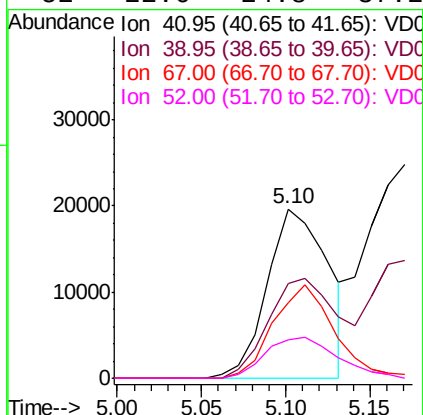
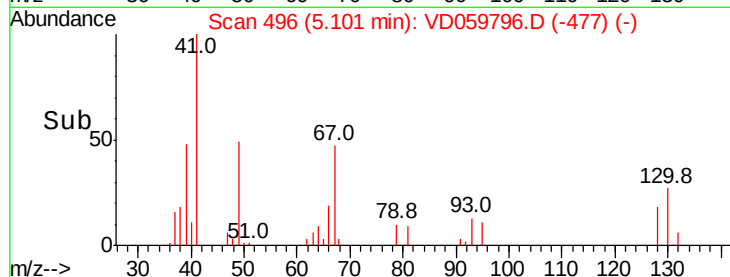
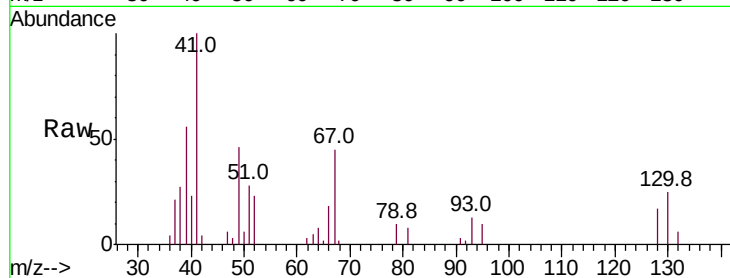




#41
Methacrylonitrile
Concen: 50.544 ug/l
RT: 5.10 min Scan# 496
Delta R.T. -0.02 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

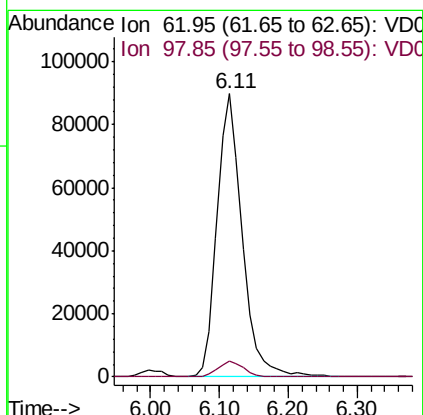
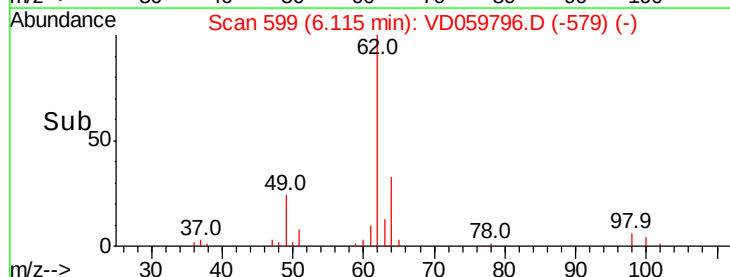
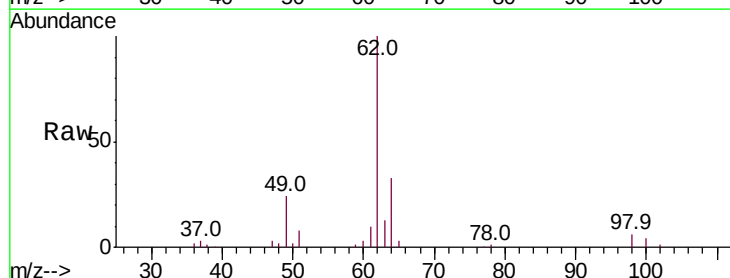
Instrument :
MSVOA_D
ClientSampleId :

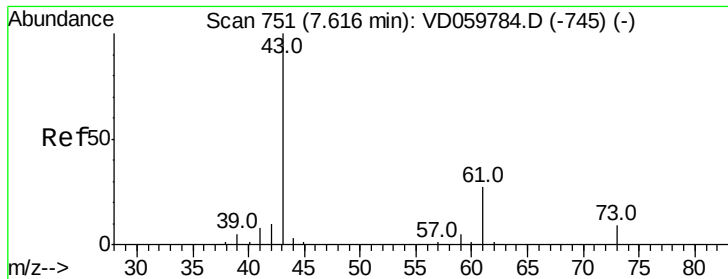
Tot Ion: 41 Resp: 49502
Ion Ratio Lower Upper
41 100
39 55.9 45.4 68.2
67 44.5 39.5 59.3
52 22.6 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 48.419 ug/l
RT: 6.11 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 62 Resp: 227495
Ion Ratio Lower Upper
62 100
98 5.7 0.0 12.0



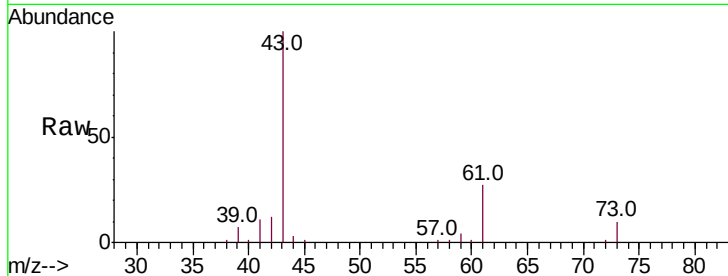


#43

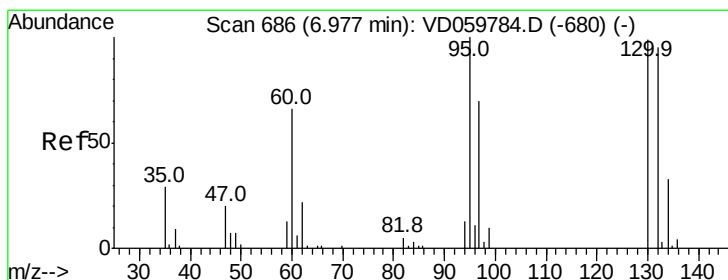
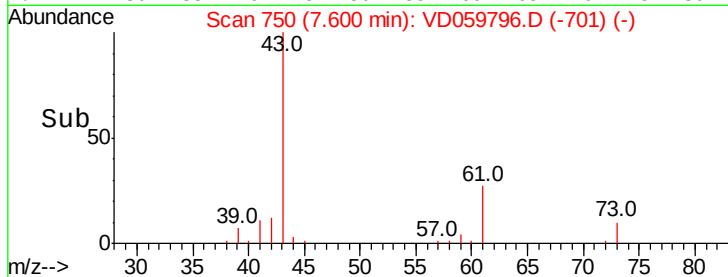
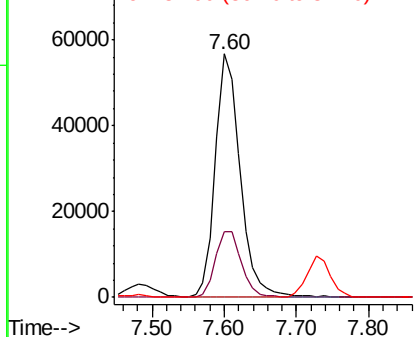
Isopropyl Acetate
 Concen: 52.341 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 135306
 Ion Ratio Lower Upper
 43 100
 61 27.2 21.2 31.8
 87 0.0 0.0 0.0



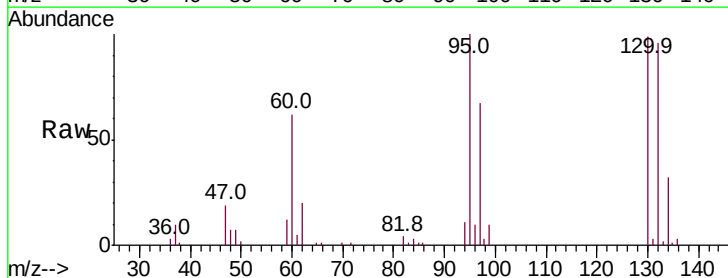
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



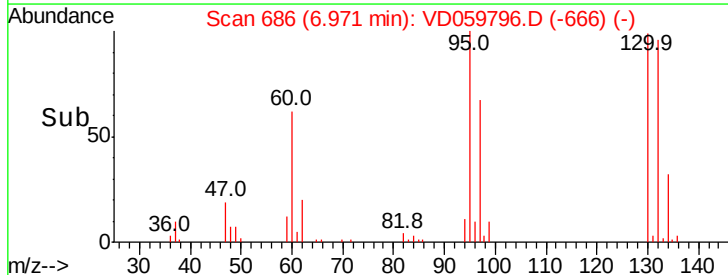
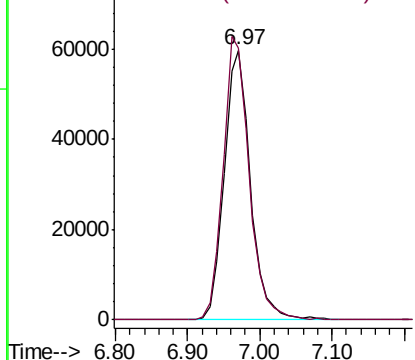
#44

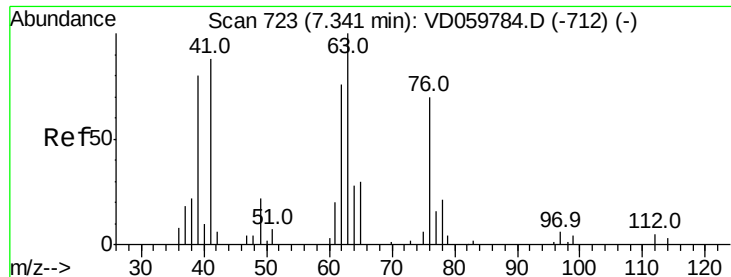
Trichloroethene
 Concen: 50.482 ug/l
 RT: 6.97 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:130 Resp: 150074
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 201.2



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

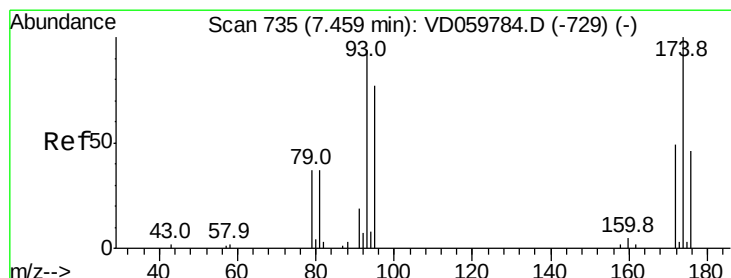
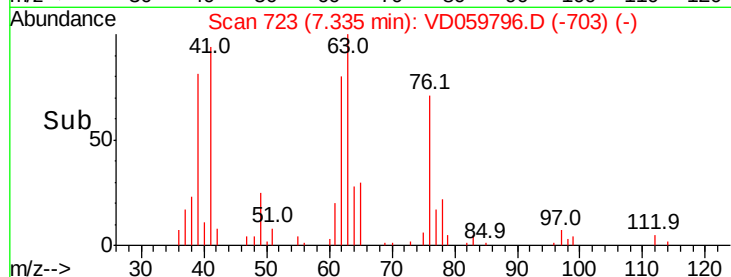
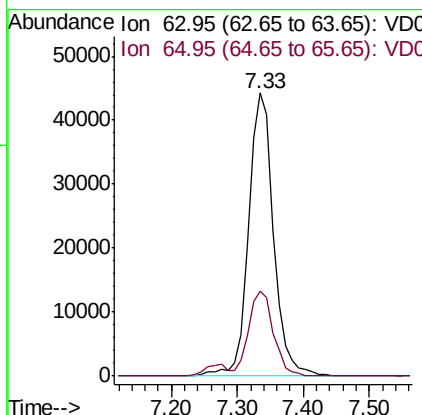
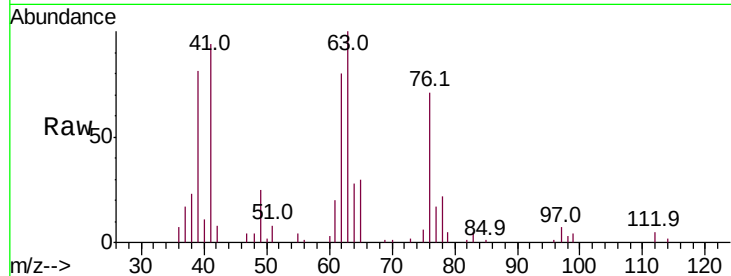




#45
 1,2-Dichloropropane
 Concen: 52.121 ug/l
 RT: 7.33 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

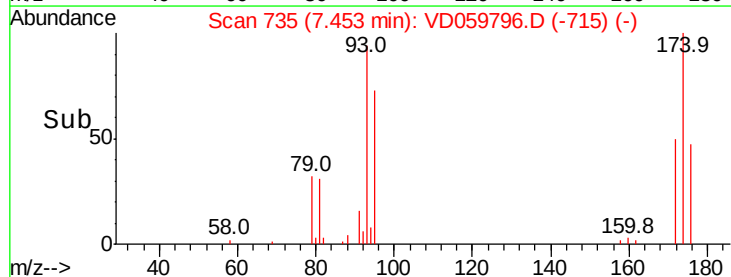
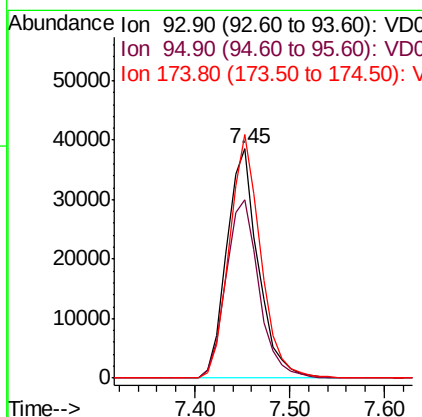
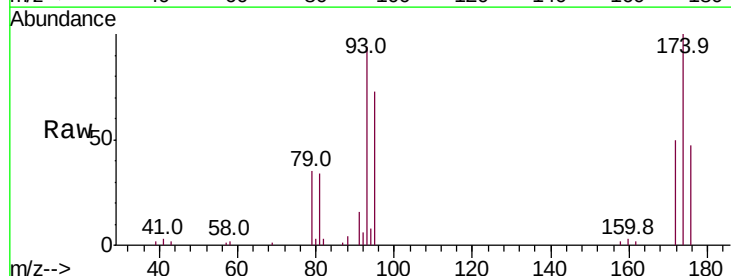
Instrument :
 MSVOA_D
 ClientSampleId :

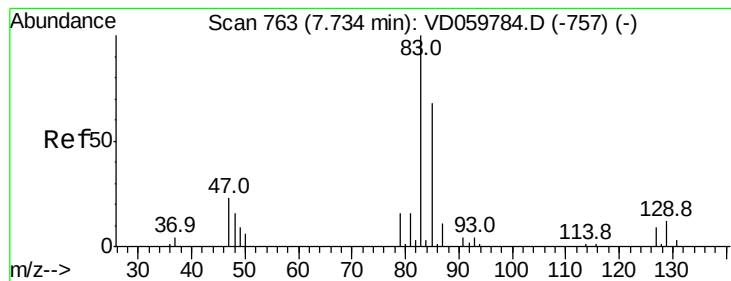
Tot Ion: 63 Resp: 117614
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.4



#46
 Dibromomethane
 Concen: 48.019 ug/l
 RT: 7.45 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 93 Resp: 88624
 Ion Ratio Lower Upper
 93 100
 95 77.5 66.2 99.4
 174 106.1 85.5 128.3





#47

Bromodichloromethane

Concen: 48.238 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

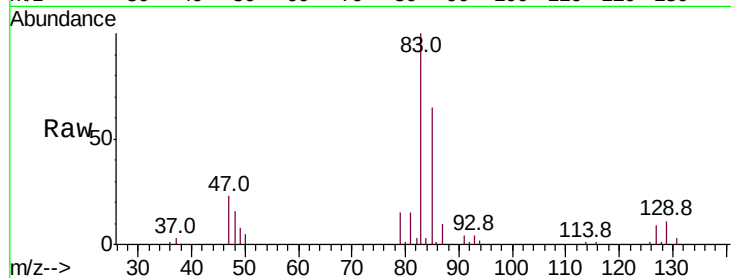
Tot Ion: 83 Resp: 218131

Ion Ratio Lower Upper

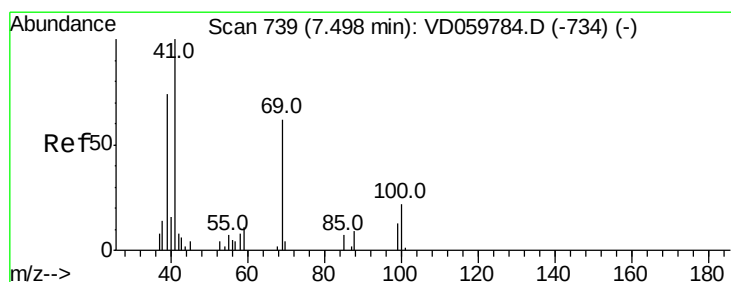
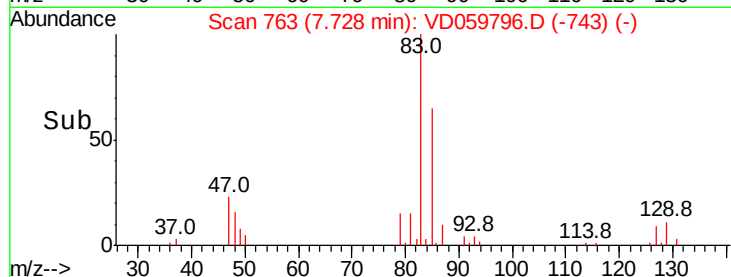
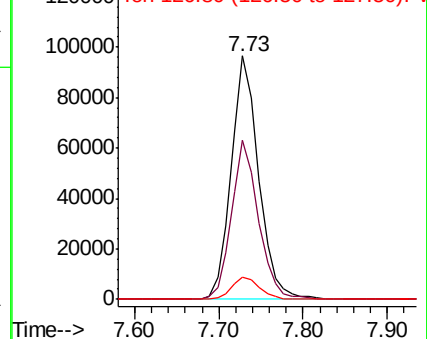
83 100

85 65.2 54.1 81.1

127 9.1 7.5 11.3



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: 53.135 ug/l

RT: 7.49 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

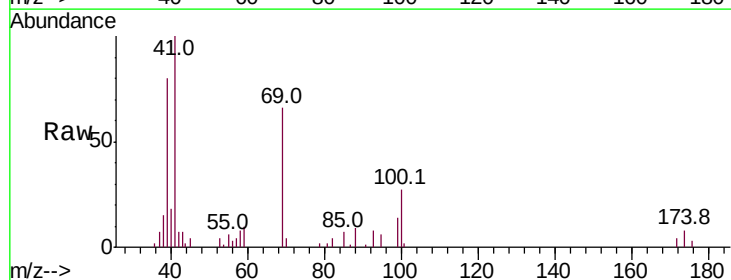
Tgt Ion: 41 Resp: 89630

Ion Ratio Lower Upper

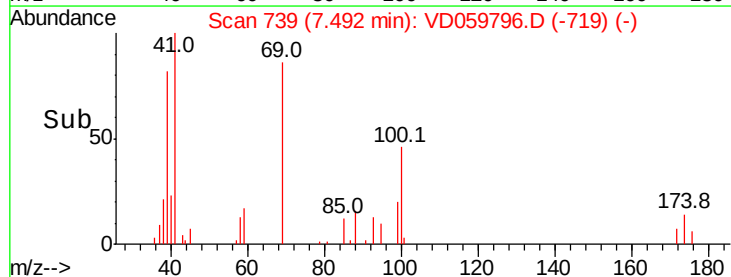
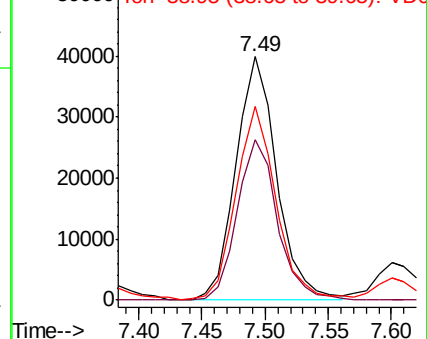
41 100

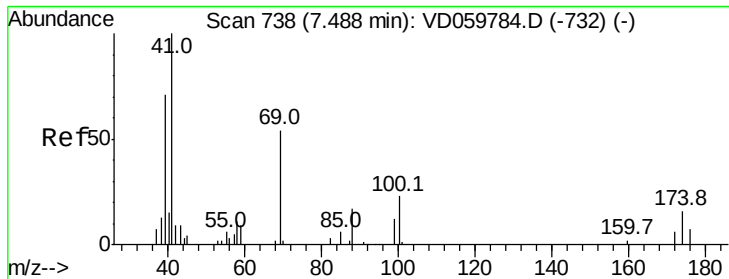
69 66.1 49.8 74.8

39 79.6 59.0 88.4



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

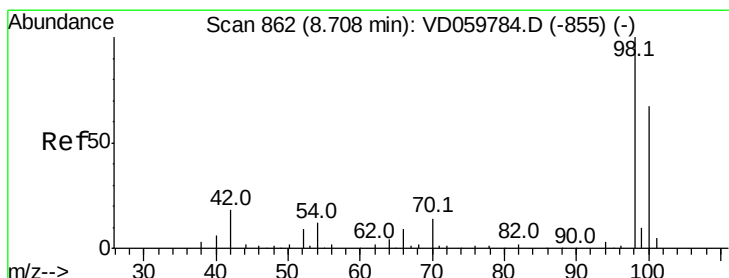
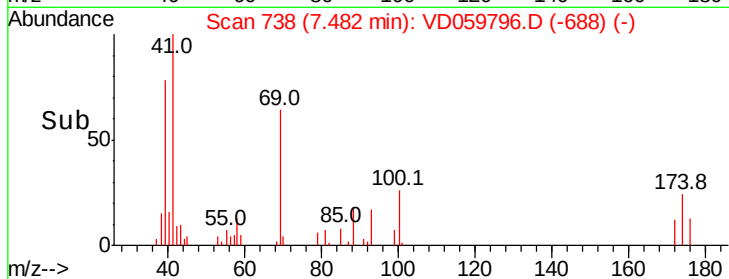
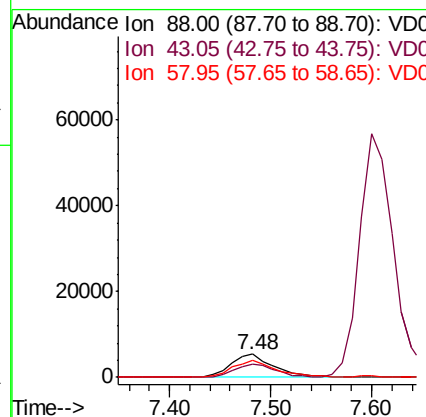
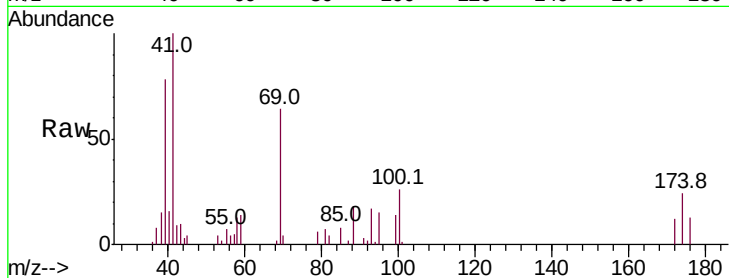




#49
1,4-Dioxane
Concen: 1068.702 ug/l
RT: 7.48 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

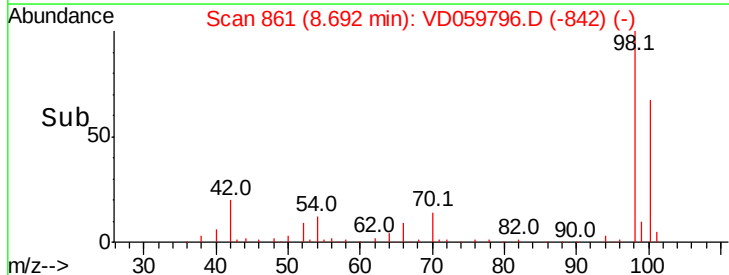
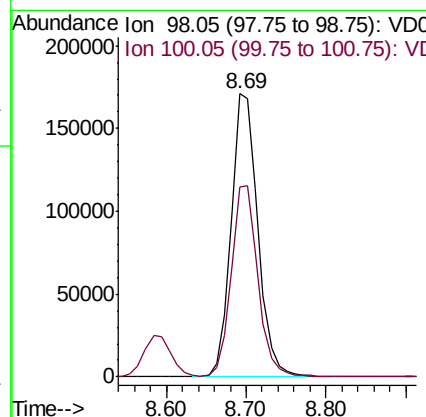
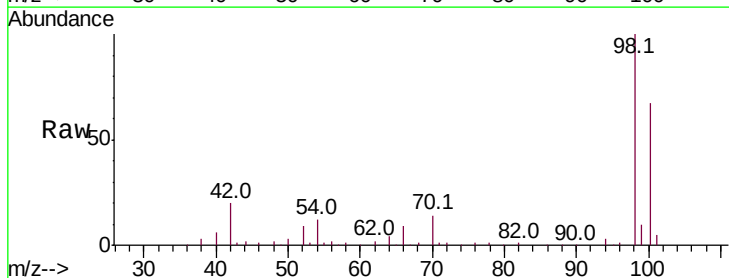
Instrument :
MSVOA_D
ClientSampleId :

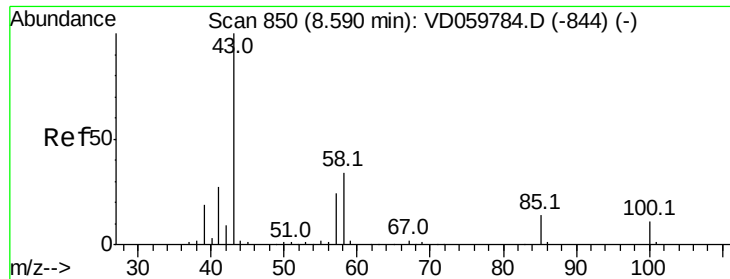
Tot Ion: 88 Resp: 15876
Ion Ratio Lower Upper
88 100
43 54.4 42.0 63.0
58 71.3 51.4 77.0



#50
Toluene-d8
Concen: 1068.702 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 98 Resp: 401316
Ion Ratio Lower Upper
98 100
100 67.3 54.2 81.4





#51

4-Methyl-2-Pentanone

Concen: 273.130 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

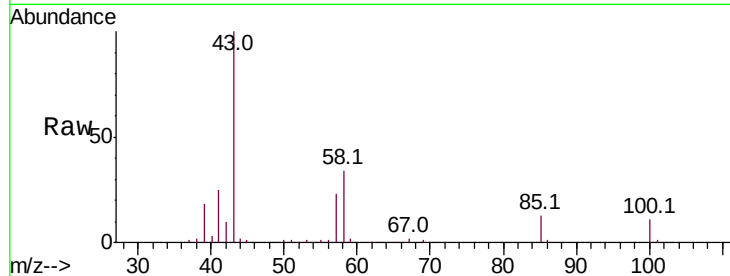
ClientSampleId :

Tot Ion: 43 Resp: 533713

Ion Ratio Lower Upper

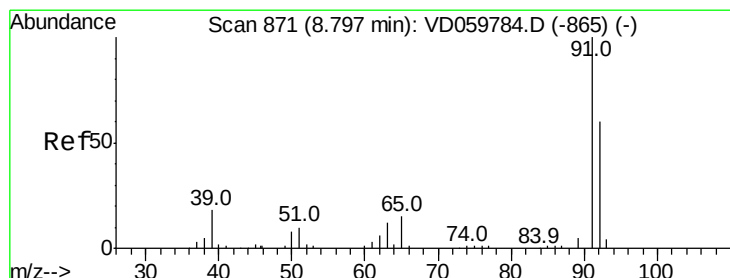
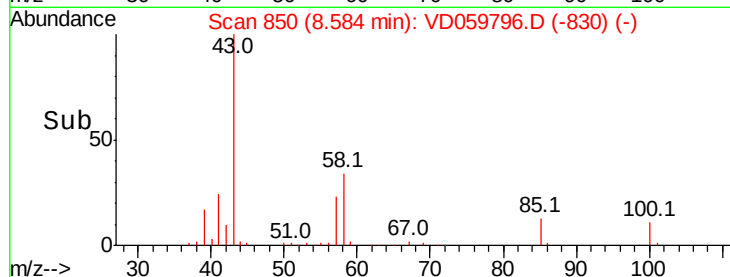
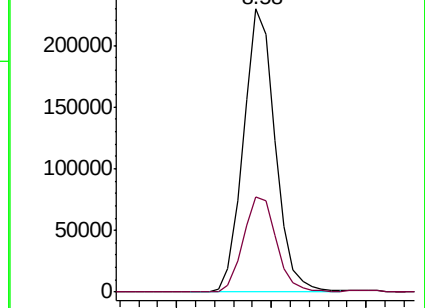
43 100

58 33.7 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.130 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059796.D

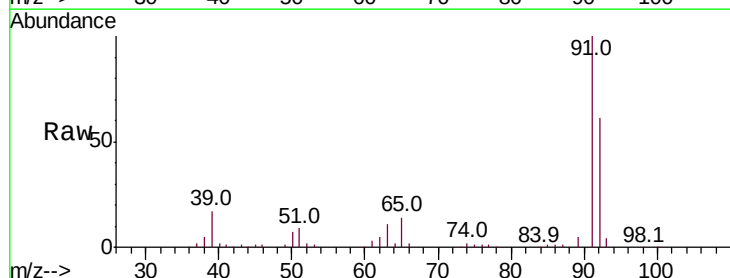
Acq: 15 Aug 2018 14:59

Tgt Ion: 92 Resp: 273246

Ion Ratio Lower Upper

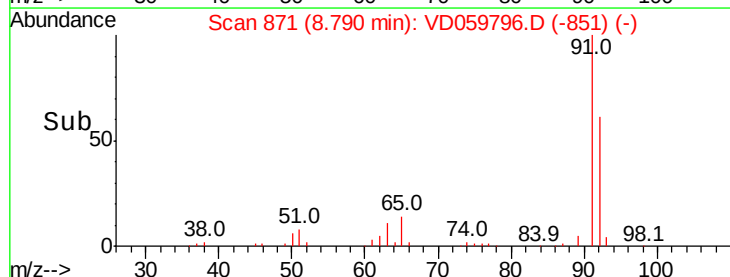
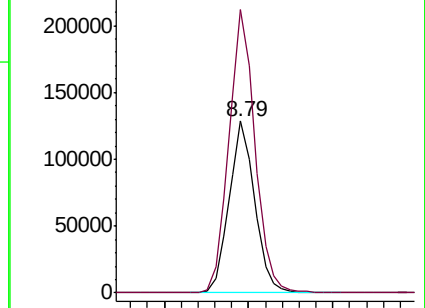
92 100

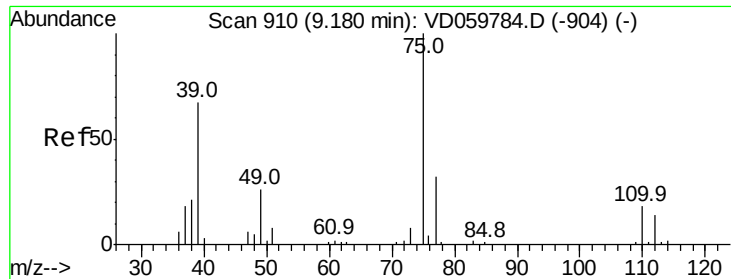
91 164.9 133.1 199.7



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: 51.591 ug/l

RT: 9.17 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

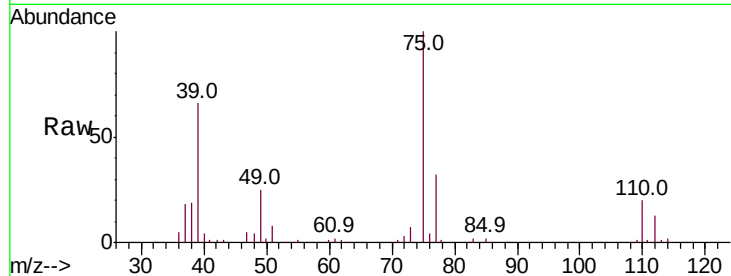
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 193425

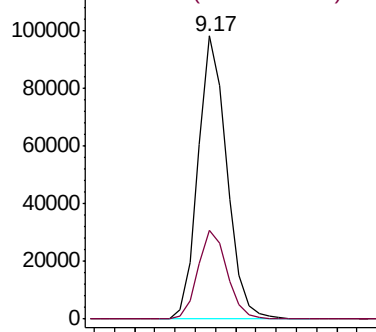
Ion Ratio Lower Upper

75 100

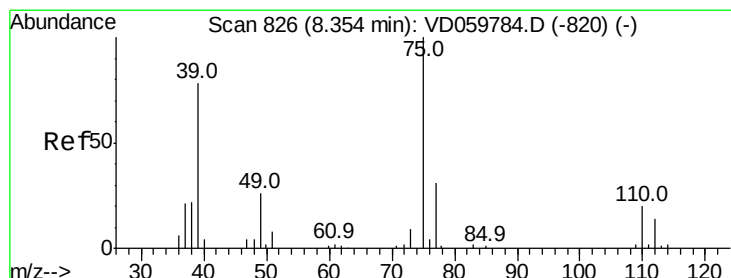
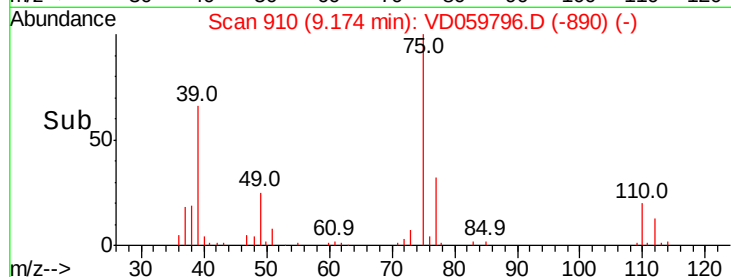
77 31.6 25.4 38.2



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



Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.750 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

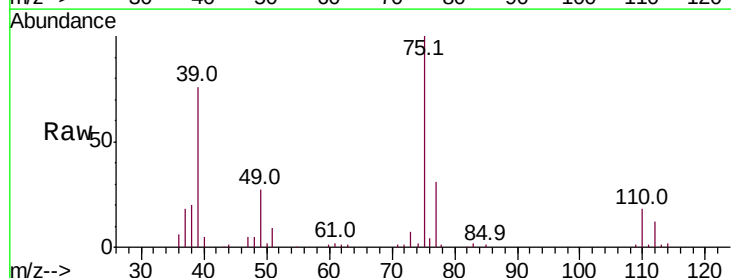
Tgt Ion: 75 Resp: 221840

Ion Ratio Lower Upper

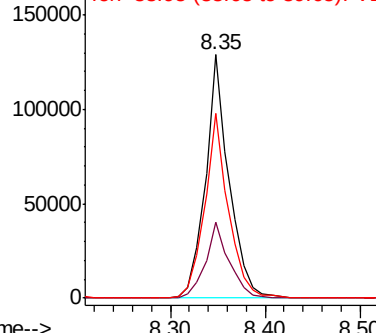
75 100

77 31.3 24.8 37.2

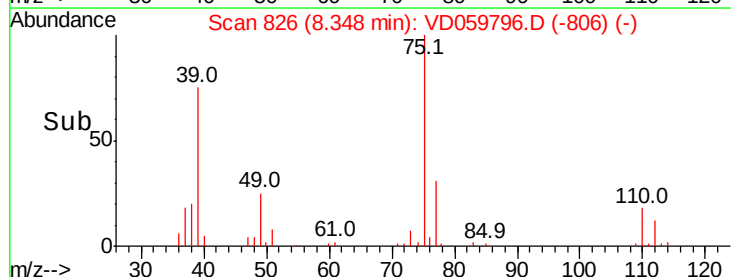
39 75.7 62.5 93.7

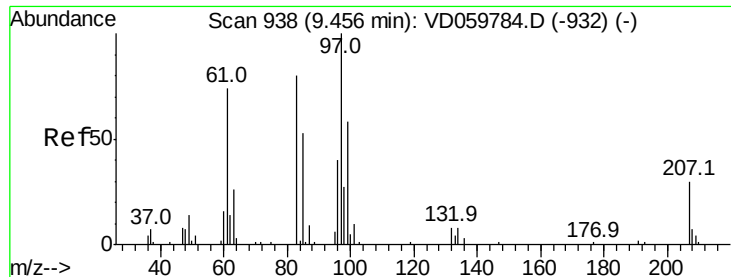


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



Time-->





#55

1,1,2-Trichloroethane

Concen: 48.925 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 100456

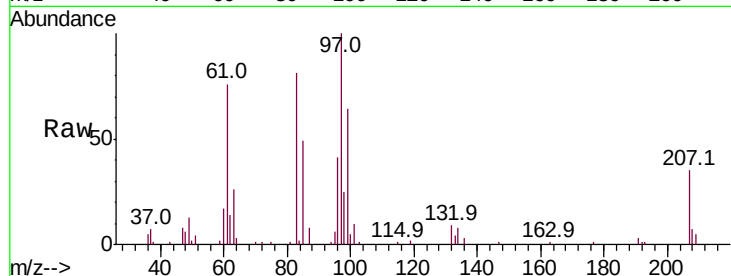
Ion	Ratio	Lower	Upper
97	100		
83	81.0	63.8	95.8
85	49.3	42.5	63.7
99	64.4	46.2	69.4

97 100

83 81.0 63.8 95.8

85 49.3 42.5 63.7

99 64.4 46.2 69.4

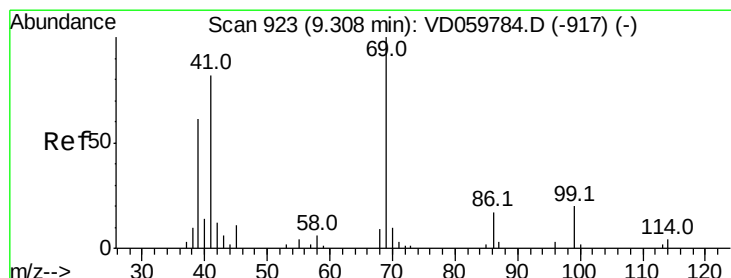
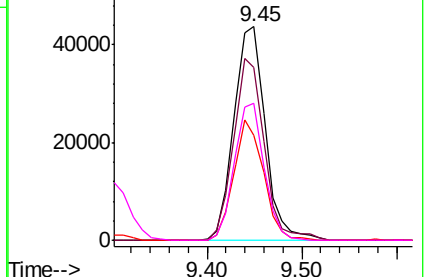
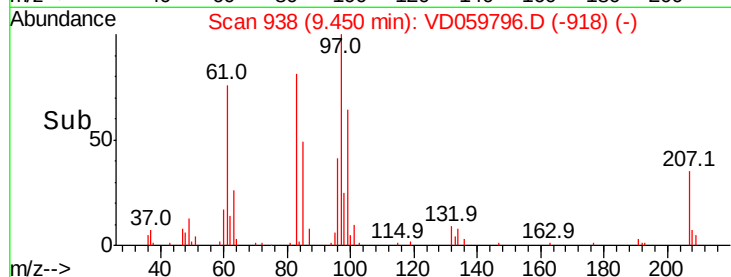


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 49.513 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

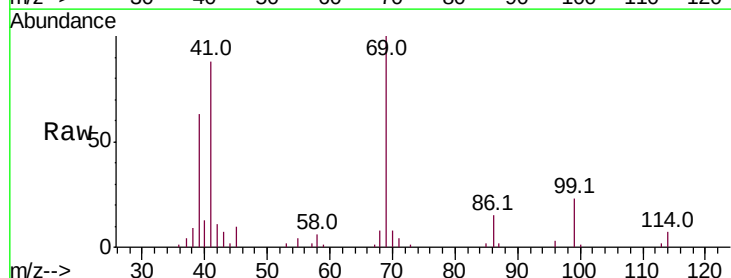
Tgt Ion: 69 Resp: 110096

Ion	Ratio	Lower	Upper
69	100		
41	88.4	65.8	98.8
39	62.7	49.7	74.5

69 100

41 88.4 65.8 98.8

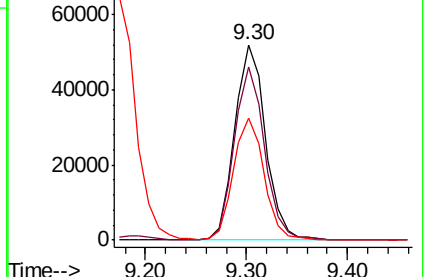
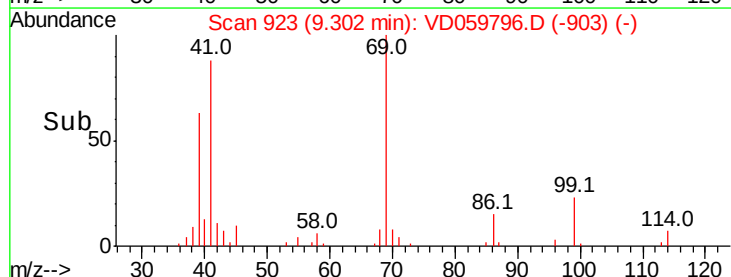
39 62.7 49.7 74.5

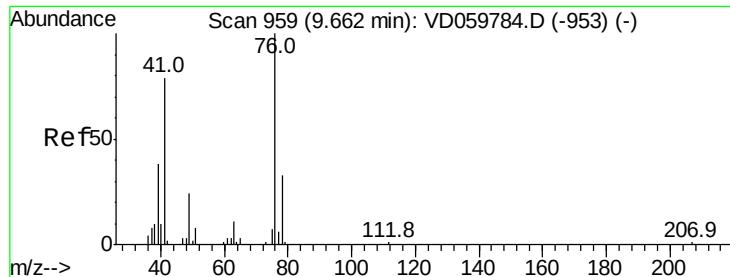


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 47.219 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

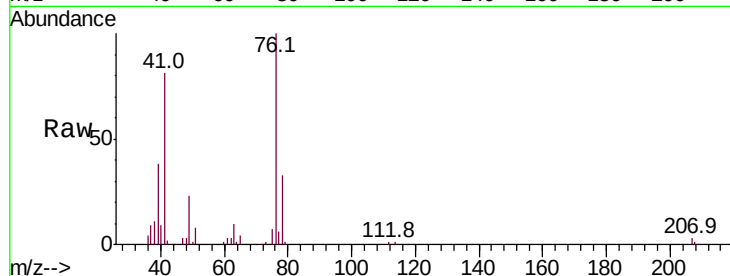
ClientSampleId :

Tot Ion: 76 Resp: 151878

Ion Ratio Lower Upper

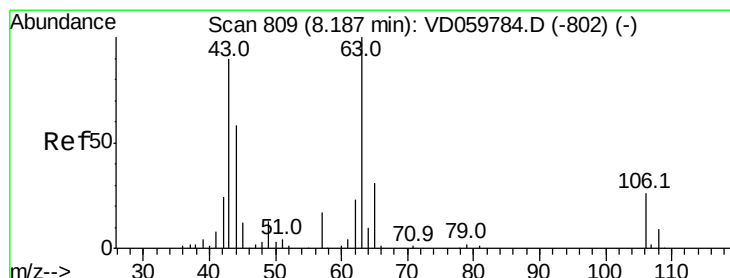
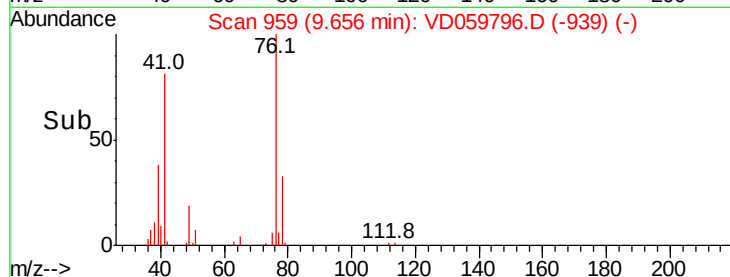
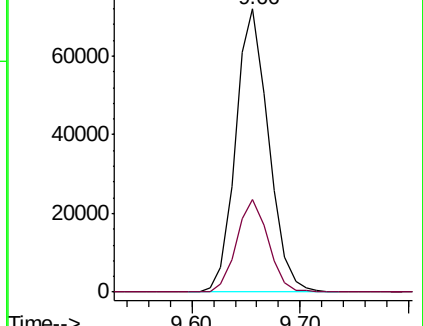
76 100

78 32.5 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 259.598 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059796.D

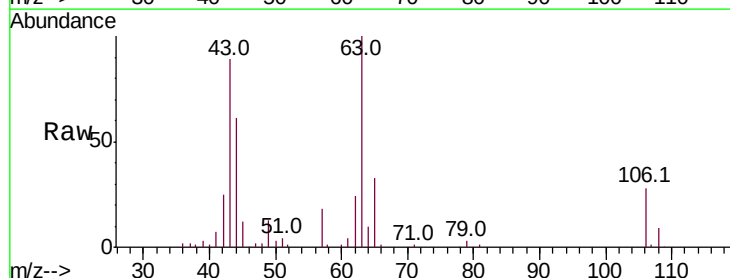
Acq: 15 Aug 2018 14:59

Tgt Ion: 63 Resp: 285303

Ion Ratio Lower Upper

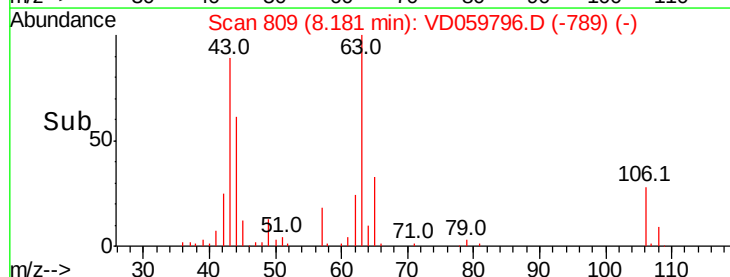
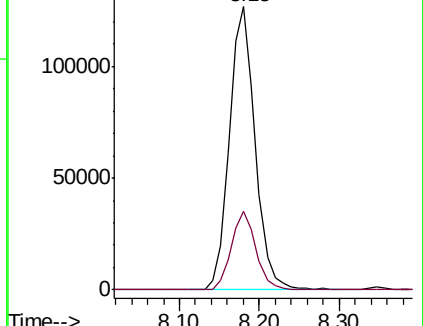
63 100

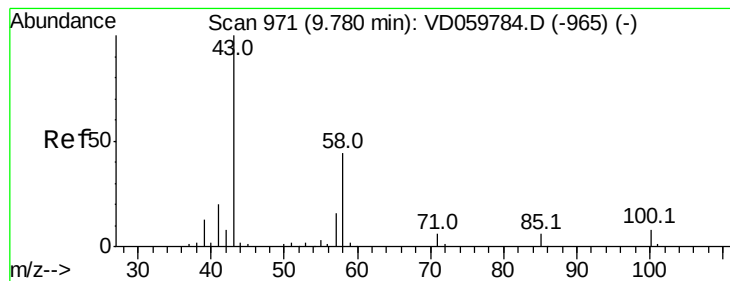
106 27.9 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 296.596 ug/l

RT: 9.77 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

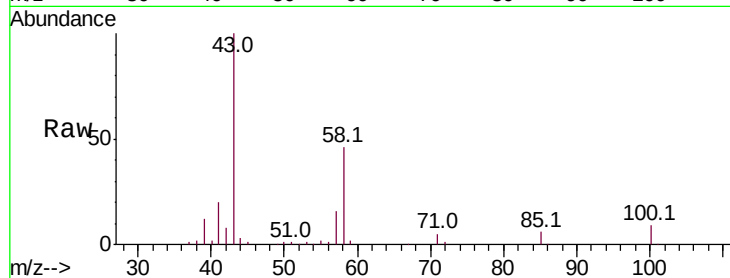
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 415588

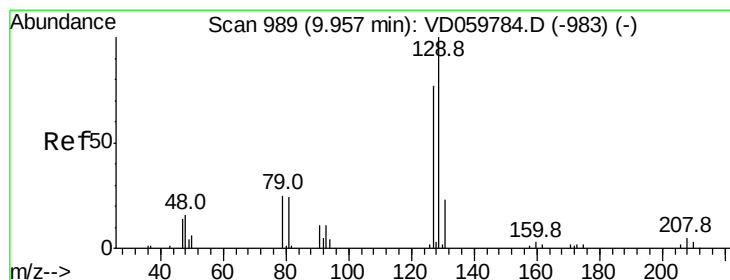
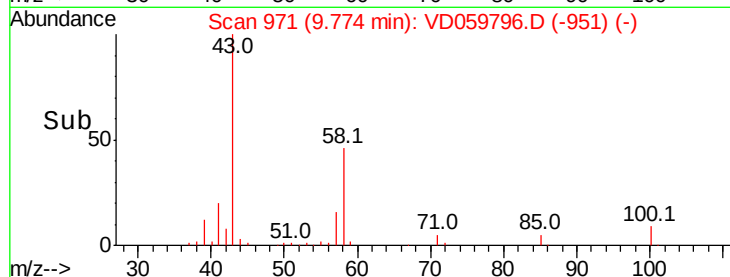
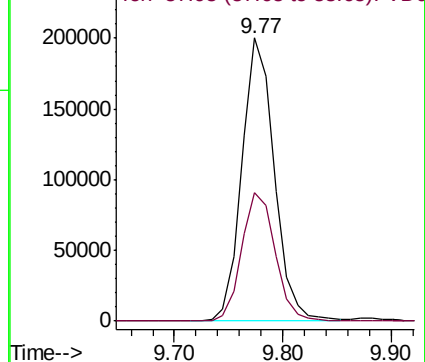
Ion Ratio Lower Upper

43 100

58 45.6 22.3 66.8



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



#60

Dibromochloromethane

Concen: 49.555 ug/l

RT: 9.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059796.D

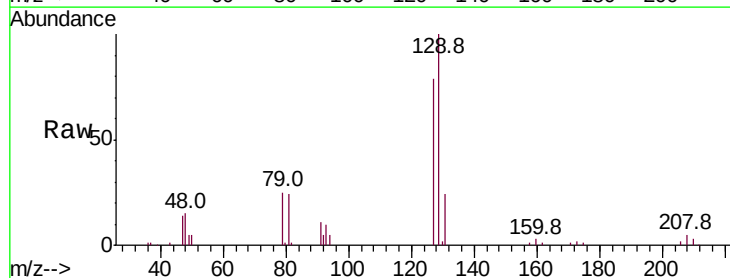
Acq: 15 Aug 2018 14:59

Tgt Ion: 129 Resp: 147731

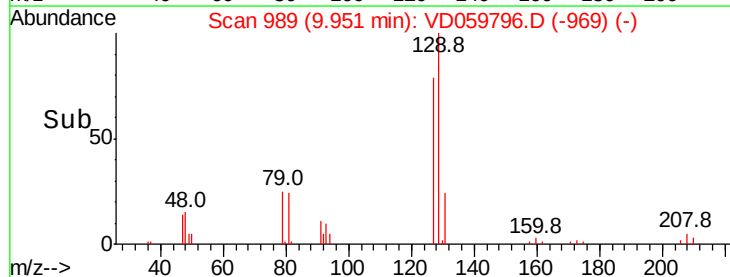
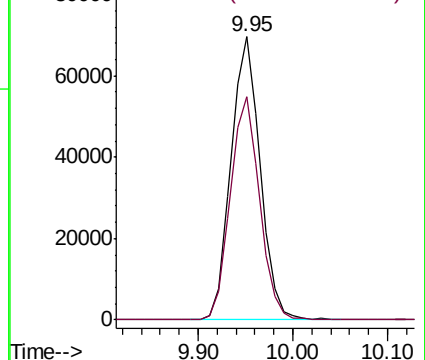
Ion Ratio Lower Upper

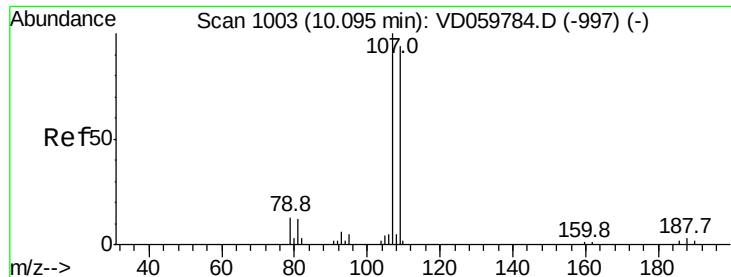
129 100

127 79.0 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

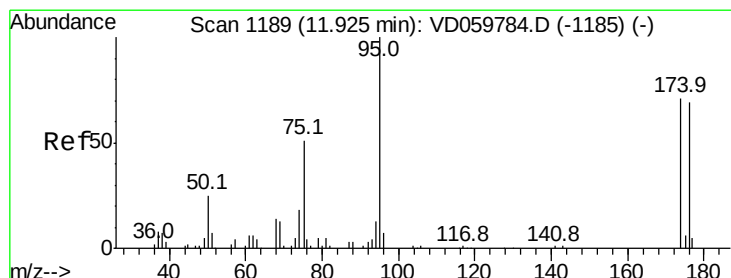
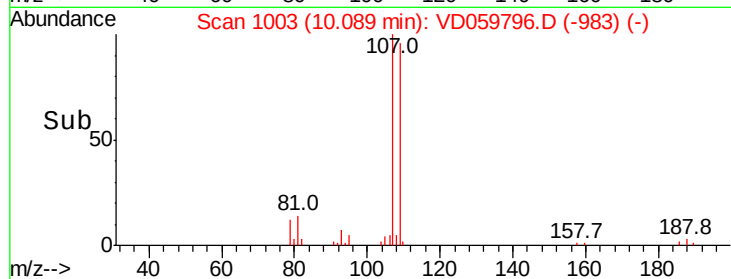
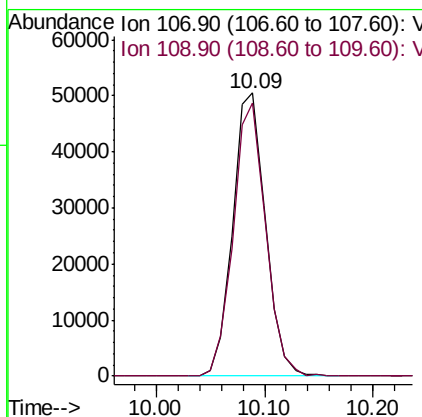
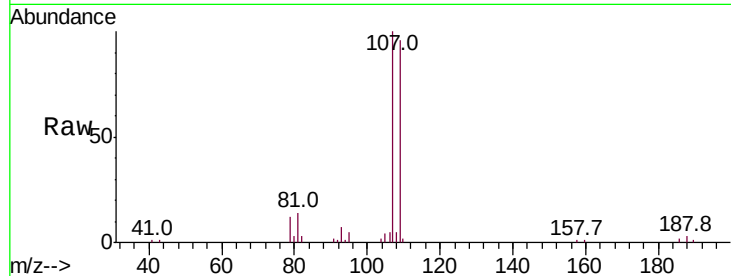




#61
 1,2-Dibromoethane
 Concen: 46.671 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

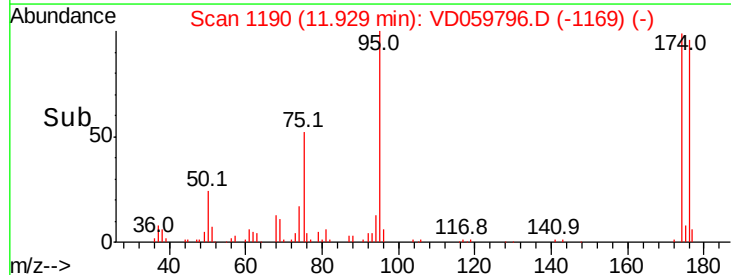
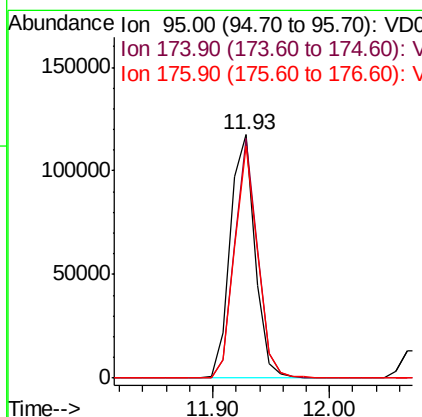
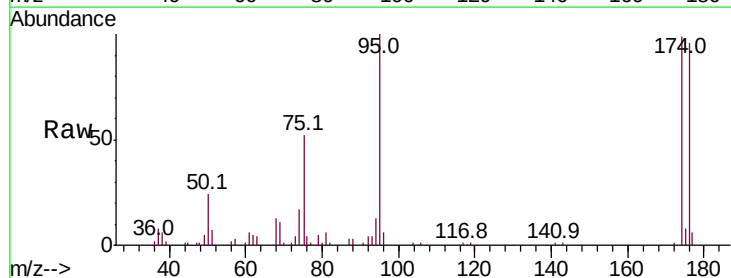
Instrument :
 MSVOA_D
 ClientSampleId :

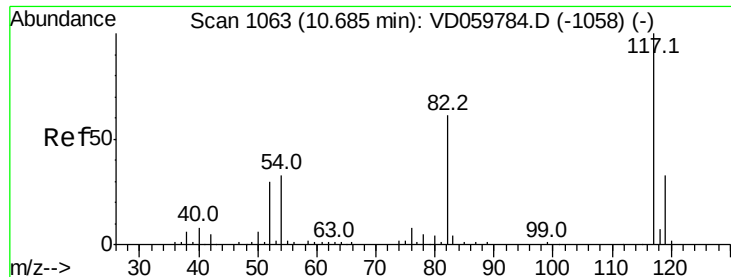
Tot Ion:107 Resp: 106149
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.671 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 95 Resp: 173150
 Ion Ratio Lower Upper
 95 100
 174 98.5 0.0 142.2
 176 95.6 0.0 137.4

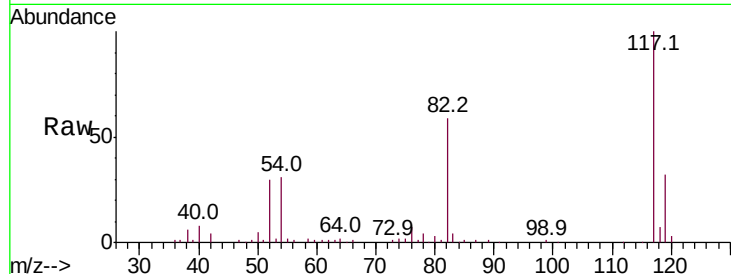




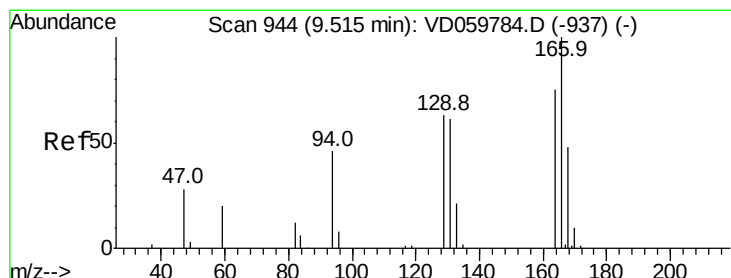
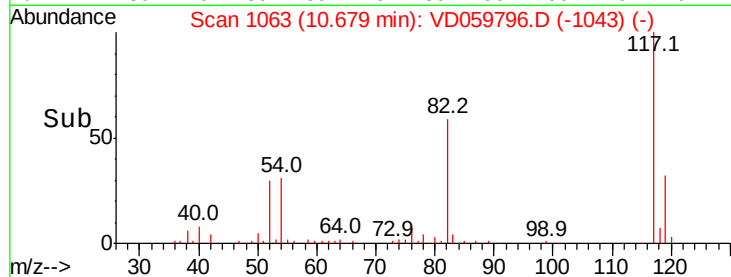
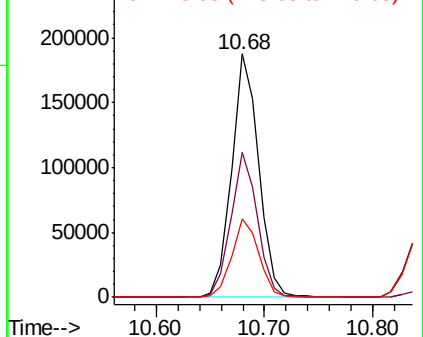
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 326069
Ion Ratio Lower Upper
117 100
82 59.4 49.0 73.6
119 32.2 26.2 39.2

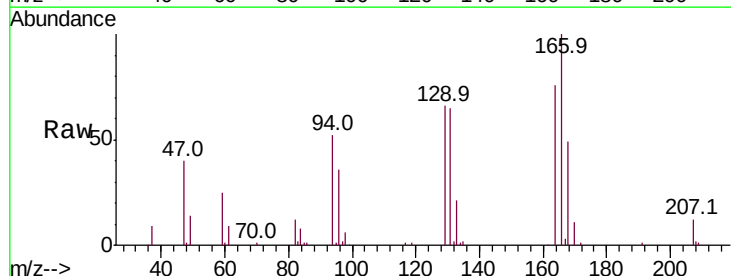


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

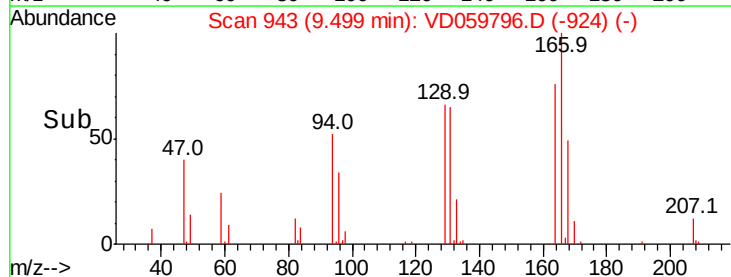
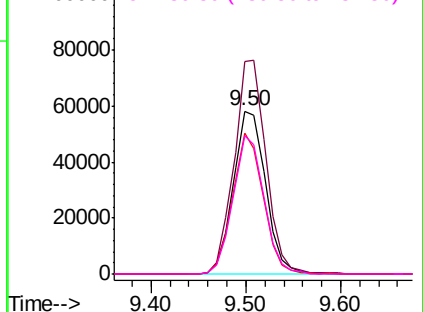


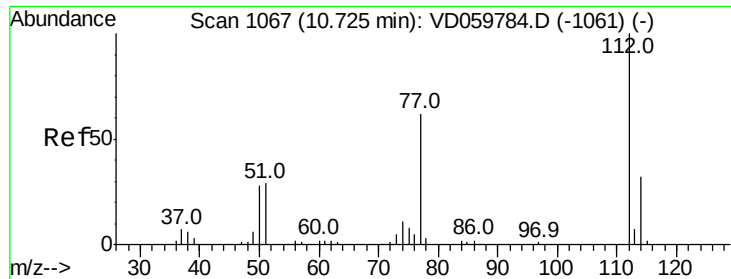
#64
Tetrachloroethene
Concen: 48.775 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.02 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:164 Resp: 136974
Ion Ratio Lower Upper
164 100
166 130.9 106.8 160.2
129 86.3 67.2 100.8
131 85.3 64.7 97.1



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

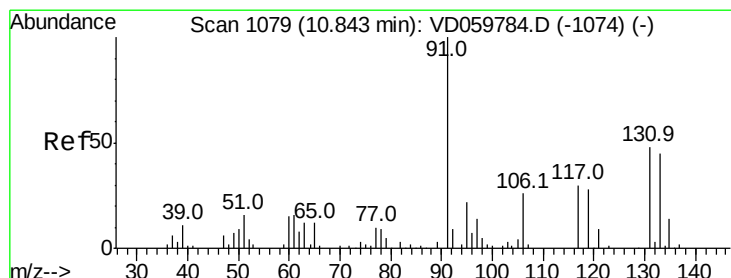
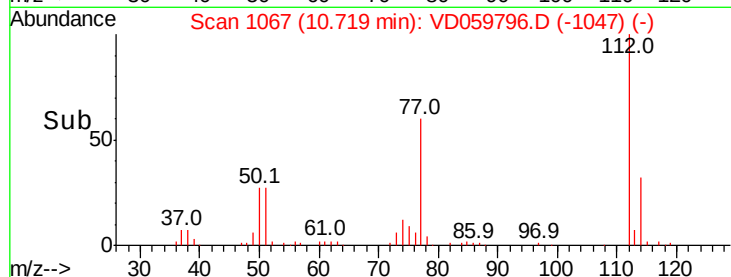
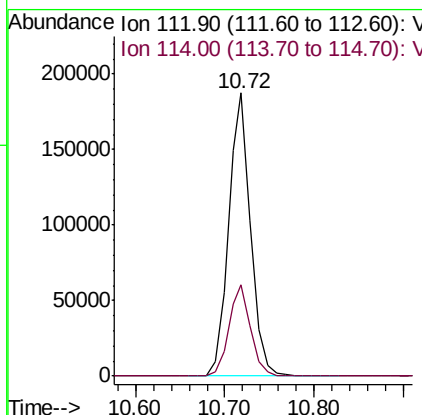
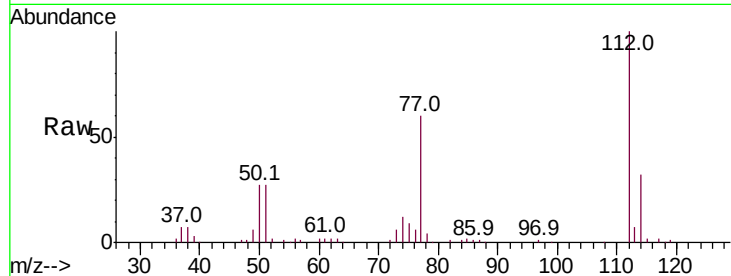




#65
Chlorobenzene
Concen: 49.016 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

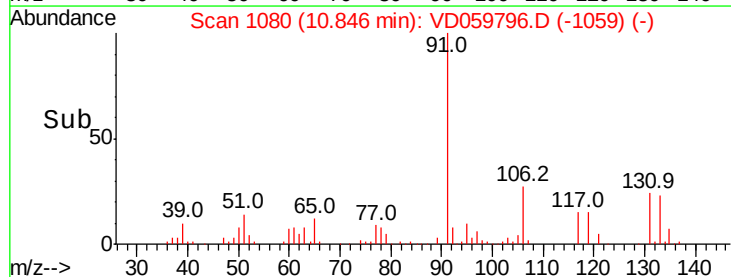
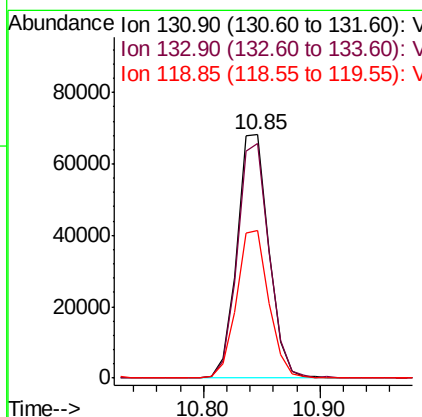
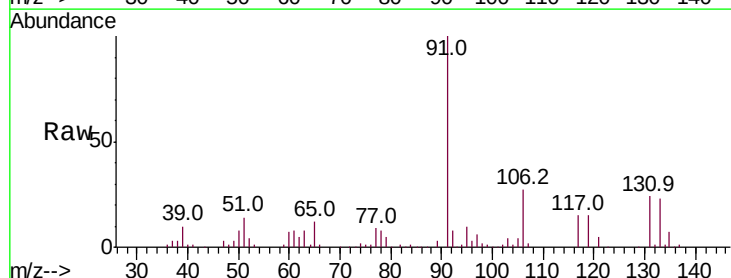
Instrument :
MSVOA_D
ClientSampleId :

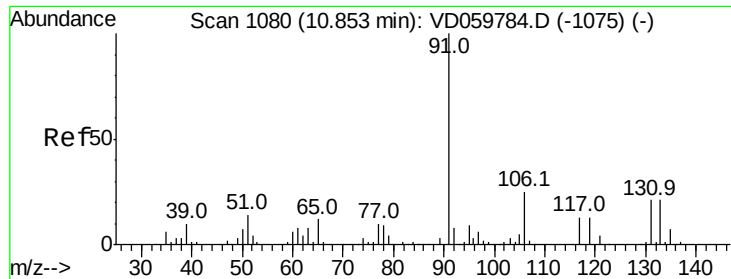
Tot Ion:112 Resp: 323679
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.468 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:131 Resp: 129000
Ion Ratio Lower Upper
131 100
133 96.4 47.0 141.0
119 60.7 29.0 87.1





#67

Ethyl Benzene

Concen: 47.119 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

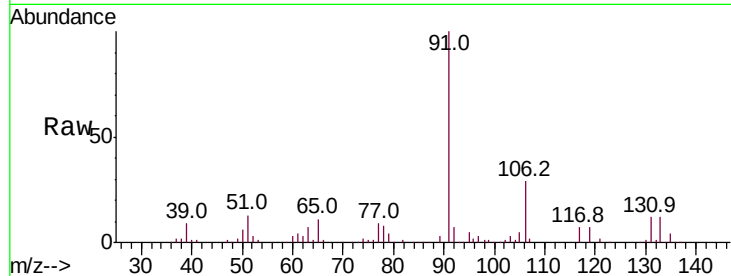
ClientSampled :

Tot Ion: 91 Resp: 535729

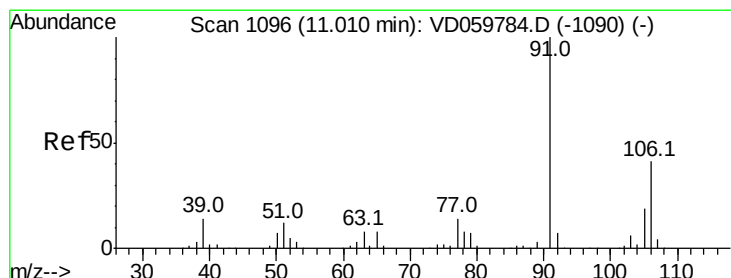
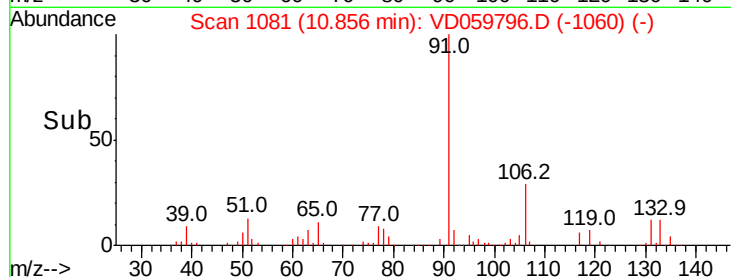
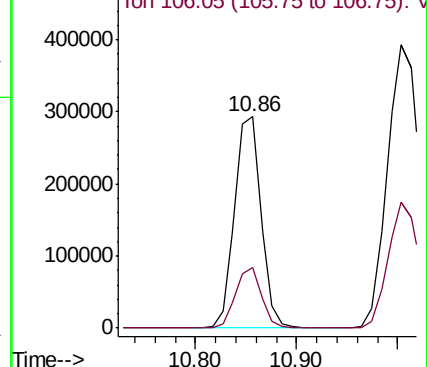
Ion Ratio Lower Upper

91 100

106 28.8 20.1 30.1



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 96.761 ug/l

RT: 11.00 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VD059796.D

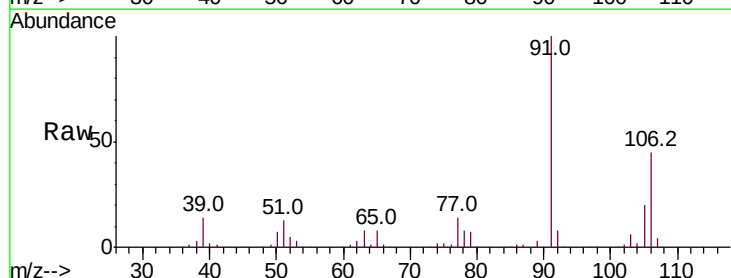
Acq: 15 Aug 2018 14:59

Tgt Ion: 106 Resp: 372875

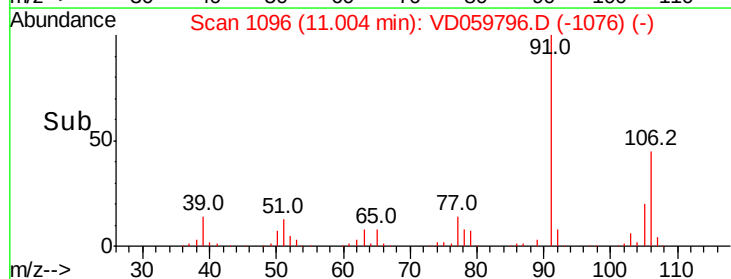
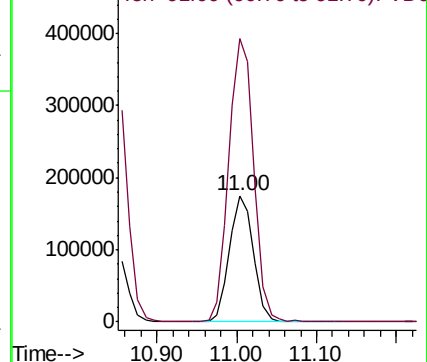
Ion Ratio Lower Upper

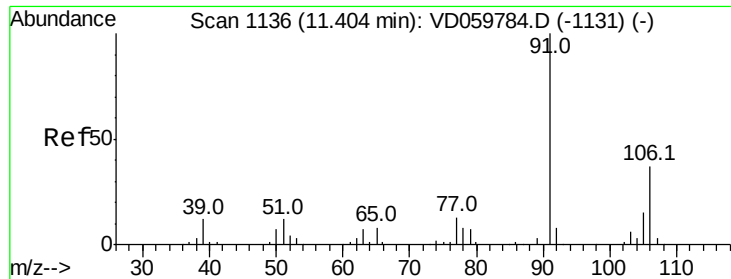
106 100

91 223.7 197.4 296.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

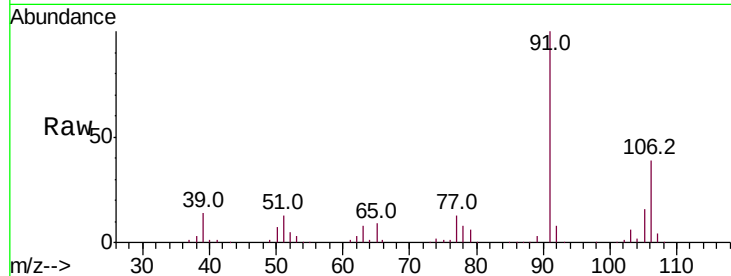




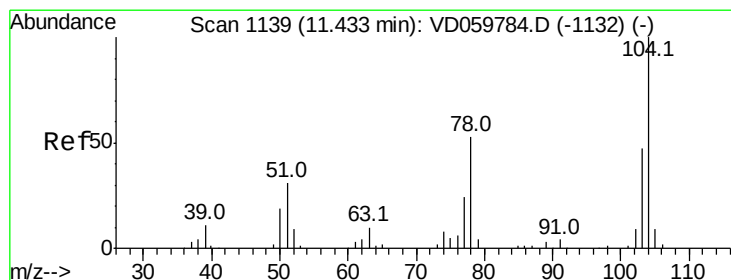
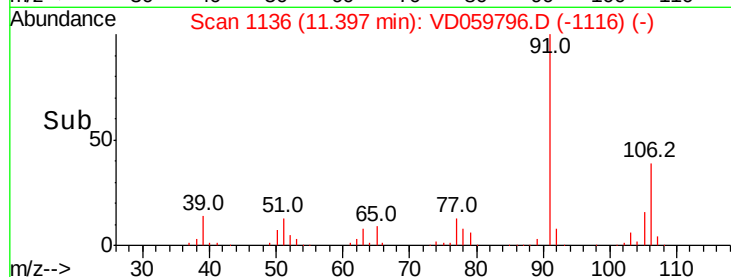
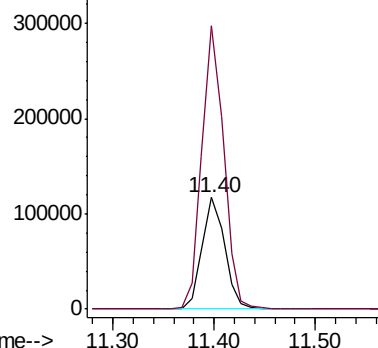
#69
o-Xylene
Concen: 49.384 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 182667
Ion Ratio Lower Upper
106 100
91 253.8 133.7 401.1

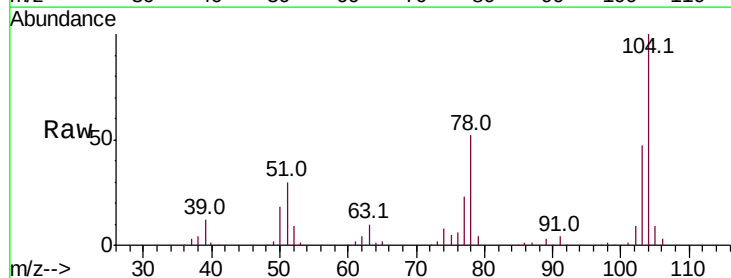


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

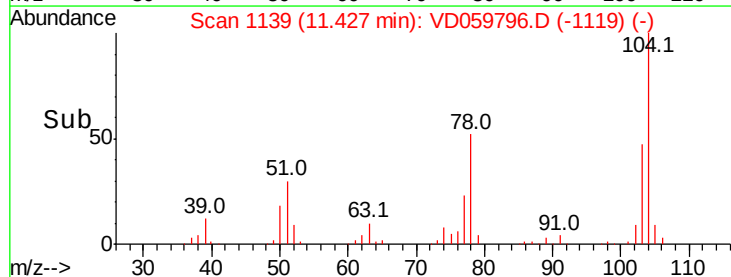
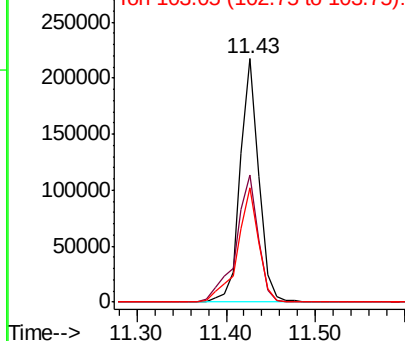


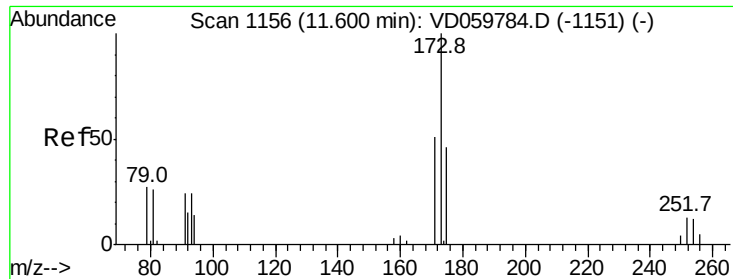
#70
Styrene
Concen: 47.976 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:104 Resp: 314724
Ion Ratio Lower Upper
104 100
78 52.3 42.6 64.0
103 46.8 37.8 56.6



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





#71

Bromoform

Concen: 52.549 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampled :

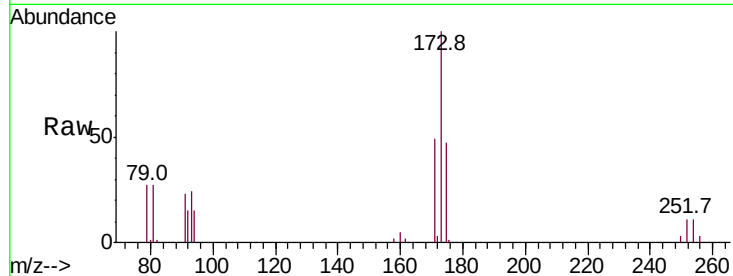
Tot Ion:173 Resp: 101667

Ion Ratio Lower Upper

173 100

175 46.8 23.1 69.2

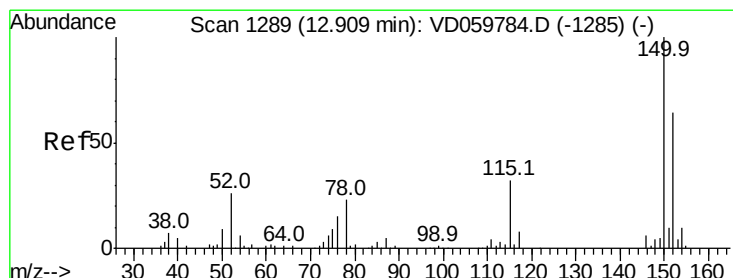
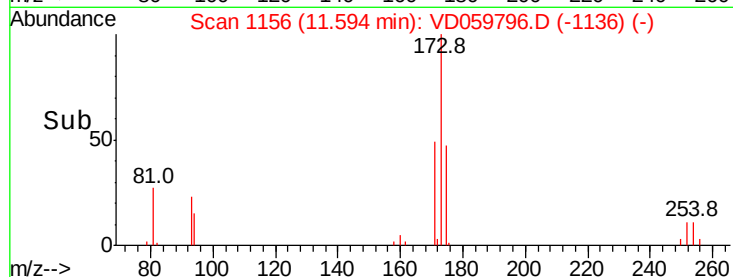
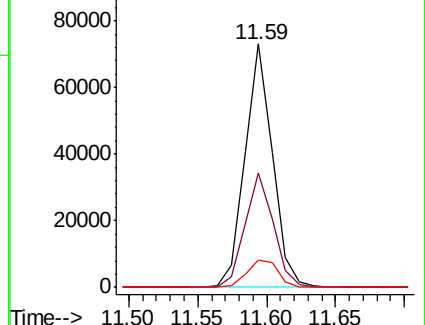
254 11.4 9.7 14.5



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: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

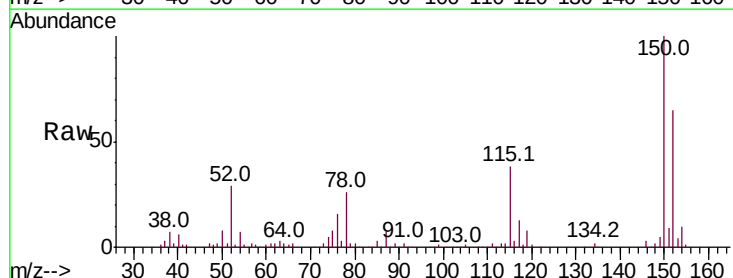
Tgt Ion:152 Resp: 177237

Ion Ratio Lower Upper

152 100

115 58.3 27.2 81.5

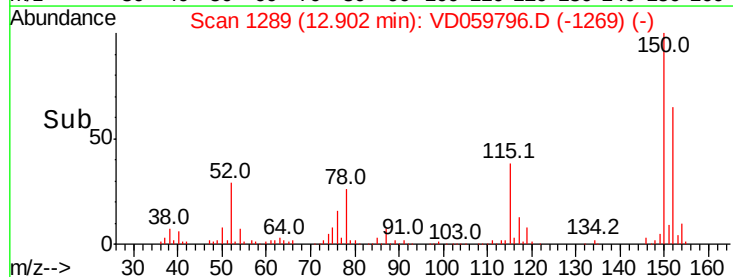
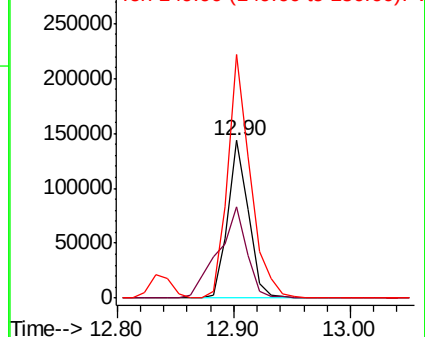
150 154.5 0.0 312.4

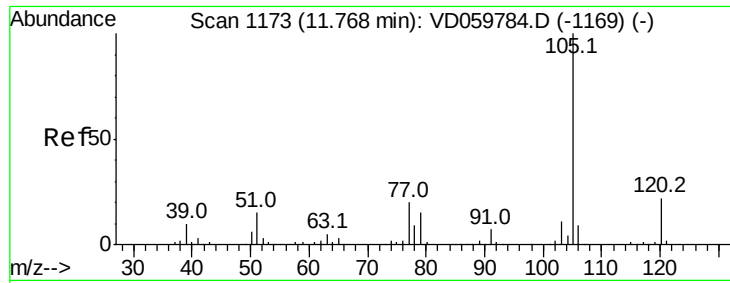


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.634 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

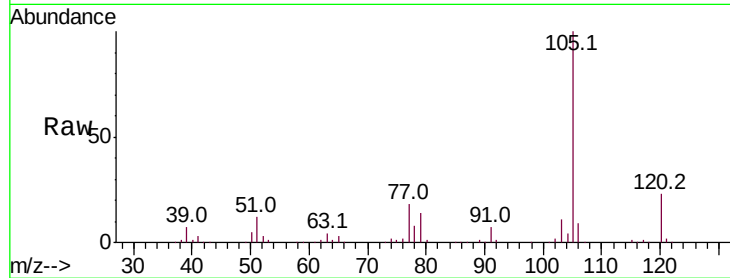
ClientSampleId :

Tot Ion:105 Resp: 557014

Ion Ratio Lower Upper

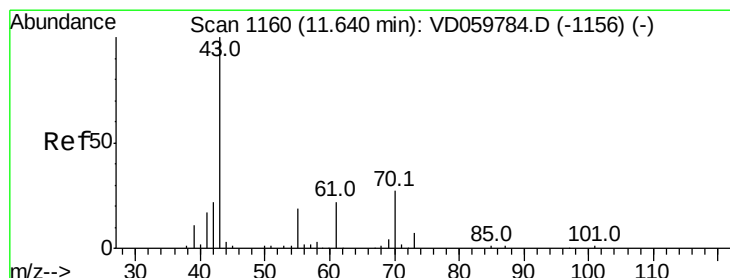
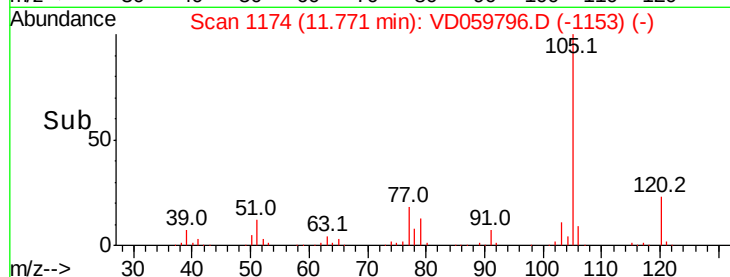
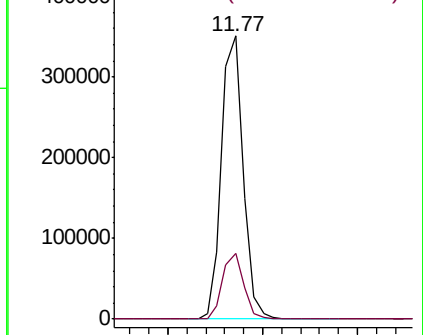
105 100

120 23.2 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.204 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Tgt Ion: 43 Resp: 176189

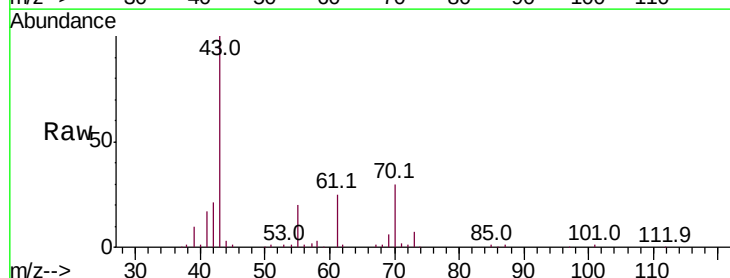
Ion Ratio Lower Upper

43 100

70 29.6 21.8 32.6

55 20.2 15.1 22.7

61 24.9 18.0 27.0

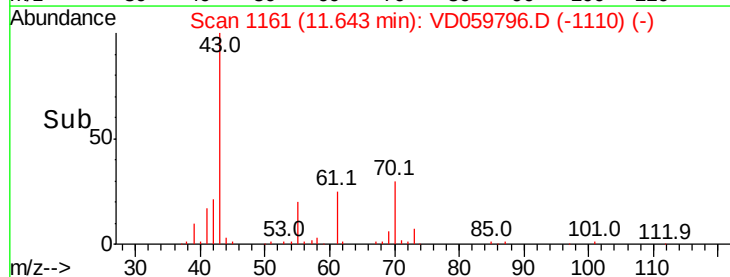
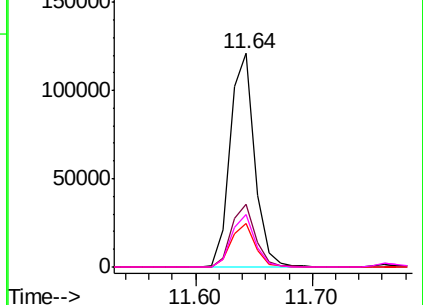


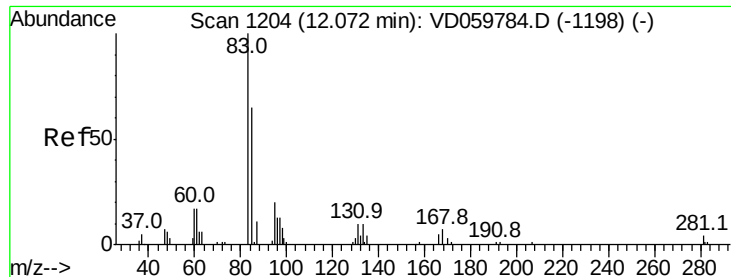
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.992 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

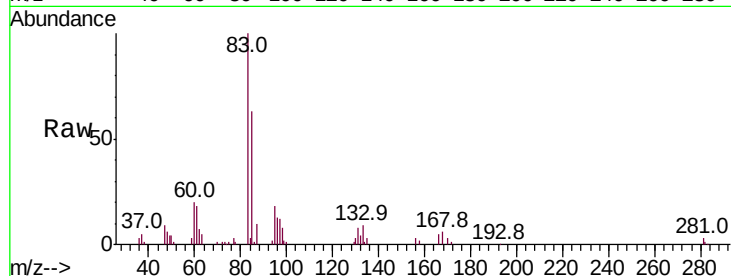
Tot Ion: 83 Resp: 109371

Ion Ratio Lower Upper

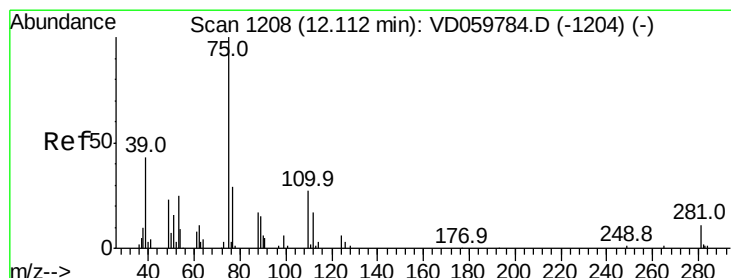
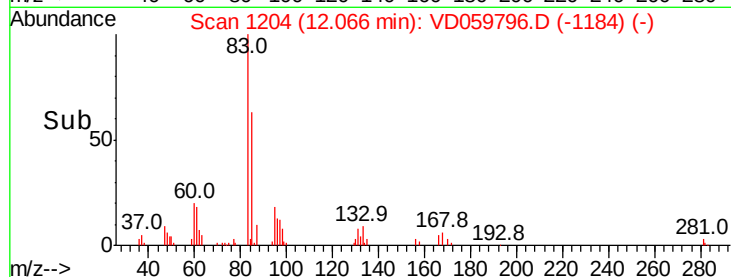
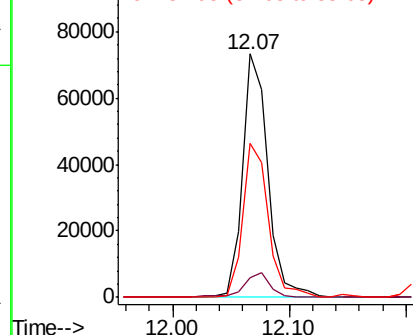
83 100

131 8.2 5.0 15.0

85 63.5 32.8 98.3



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: 48.052 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059796.D

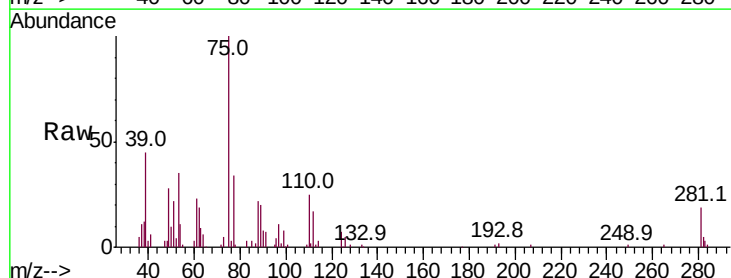
Acq: 15 Aug 2018 14:59

Tgt Ion: 75 Resp: 120835

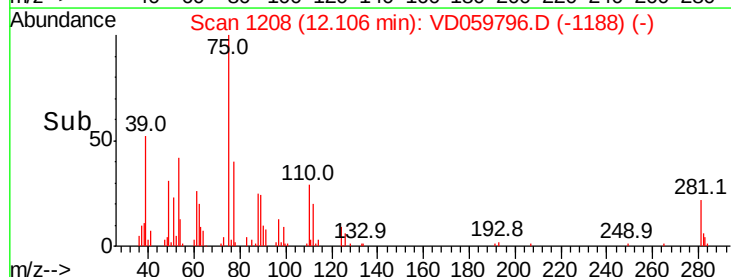
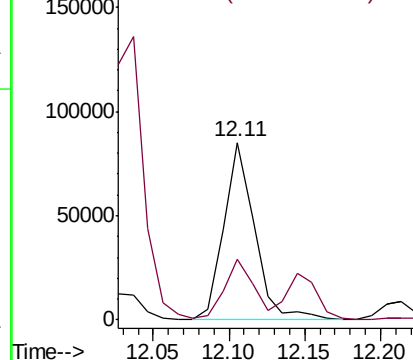
Ion Ratio Lower Upper

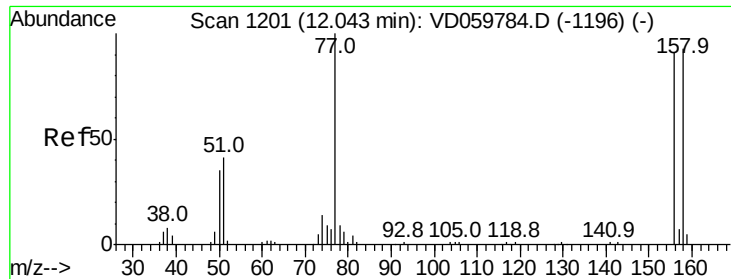
75 100

77 34.1 16.2 48.6



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

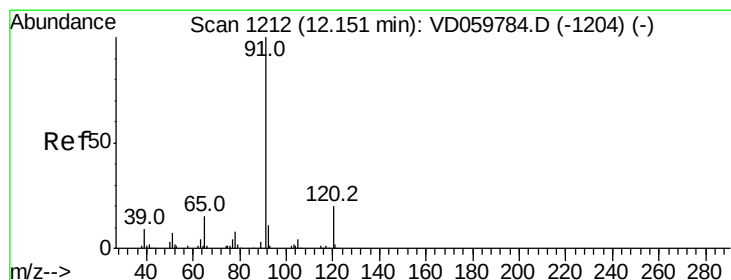
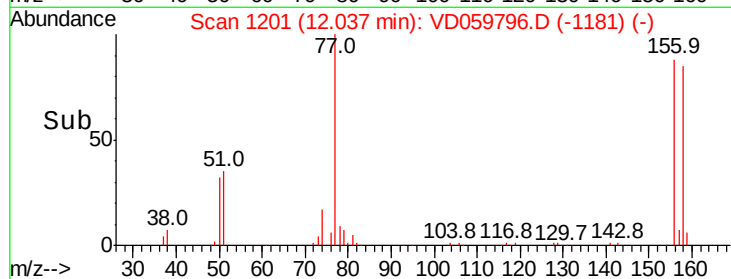
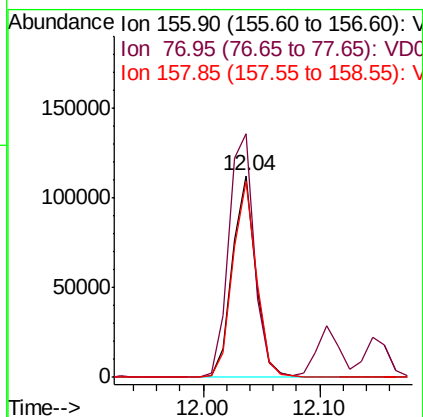
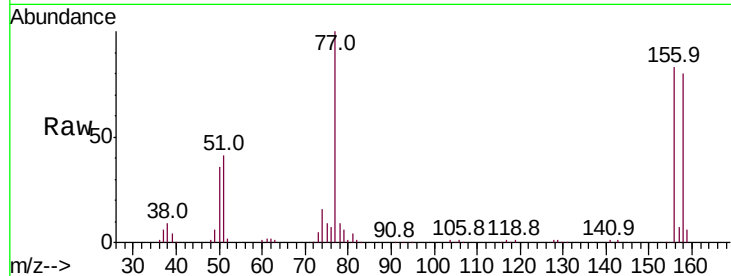




#77
 Bromobenzene
 Concen: 49.046 ug/l
 RT: 12.04 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

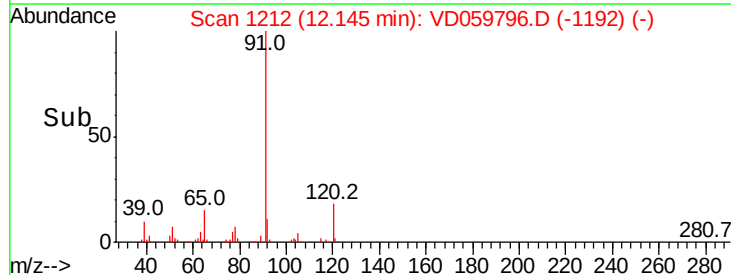
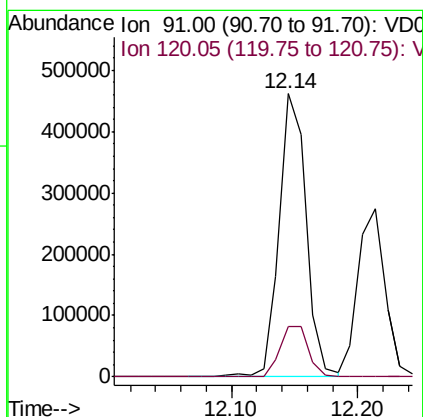
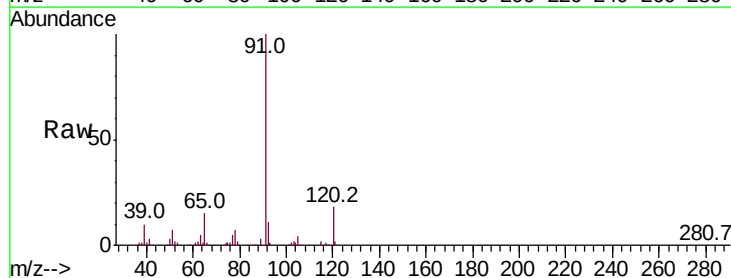
Instrument :
 MSVOA_D
 ClientSampleId :

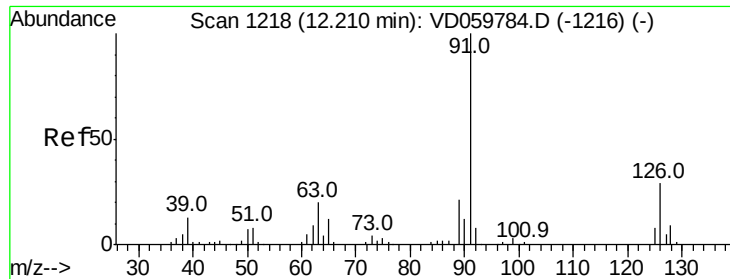
Tot Ion:156 Resp: 157287
 Ion Ratio Lower Upper
 156 100
 77 120.9 54.9 164.8
 158 97.2 51.2 153.6



#78
 n-propylbenzene
 Concen: 49.166 ug/l
 RT: 12.14 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 91 Resp: 688268
 Ion Ratio Lower Upper
 91 100
 120 18.0 9.8 29.4

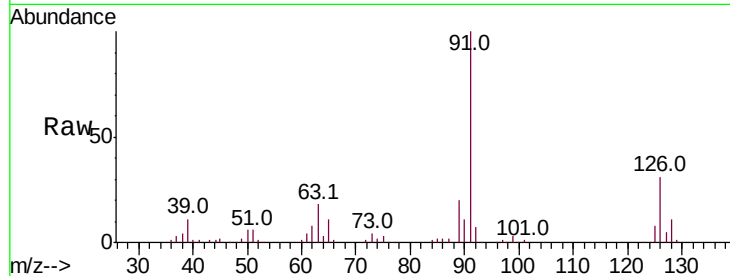




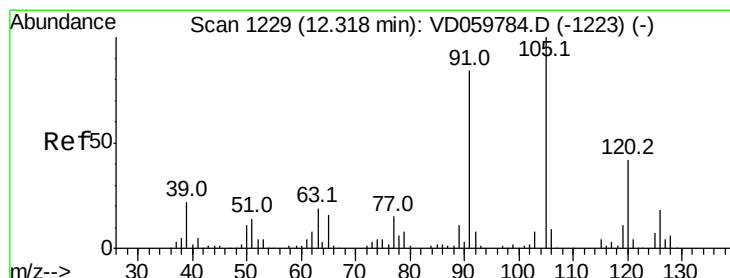
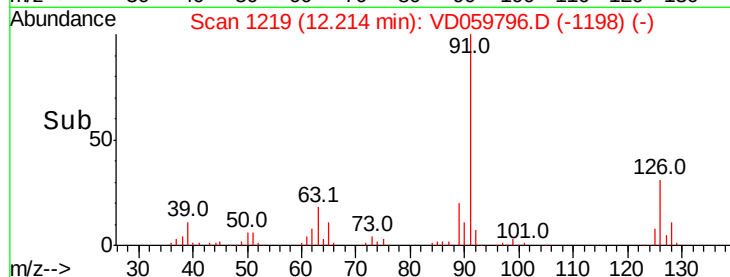
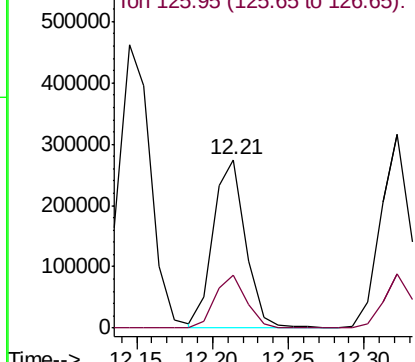
#79
 2-Chlorotoluene
 Concen: 48.108 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 406118
 Ion Ratio Lower Upper
 91 100
 126 31.3 14.0 41.9

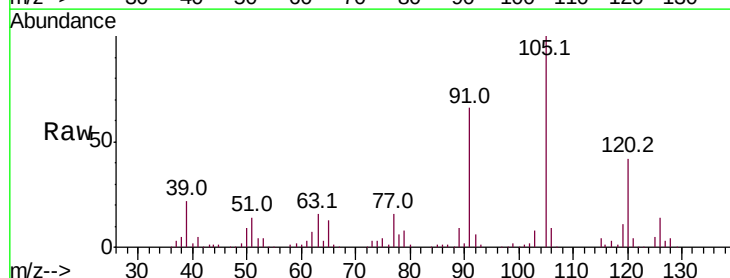


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

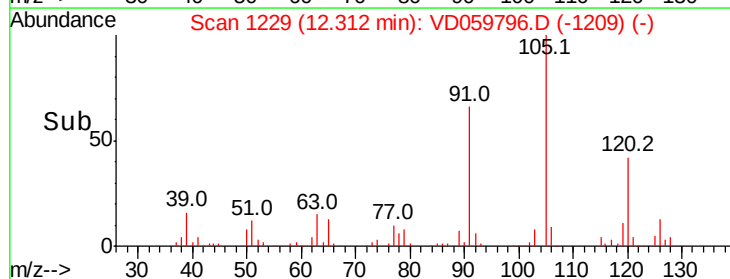
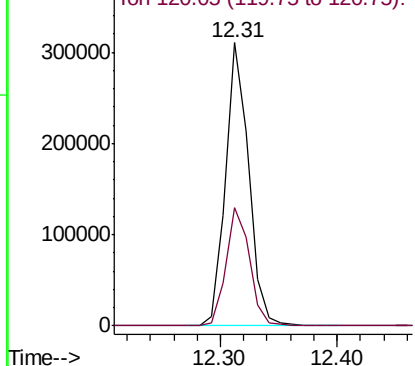


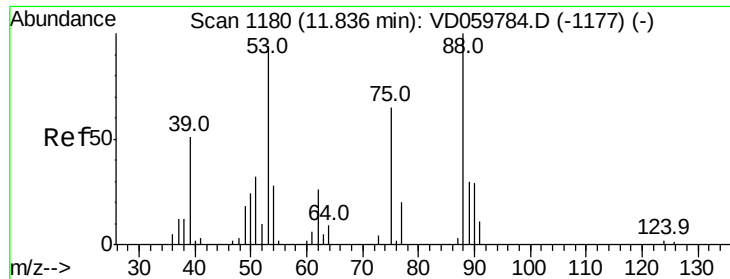
#80
 1,3,5-Trimethylbenzene
 Concen: 47.598 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:105 Resp: 427708
 Ion Ratio Lower Upper
 105 100
 120 42.0 20.8 62.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 57.160 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

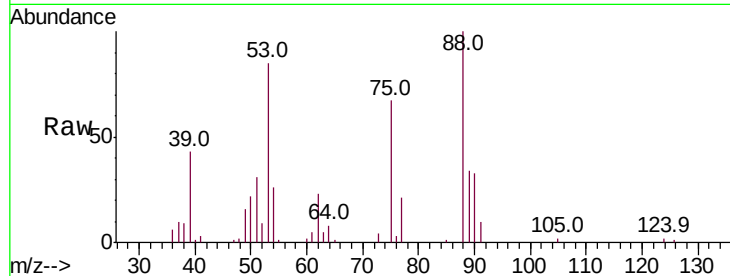
Tot Ion: 75 Resp: 33629

Ion Ratio Lower Upper

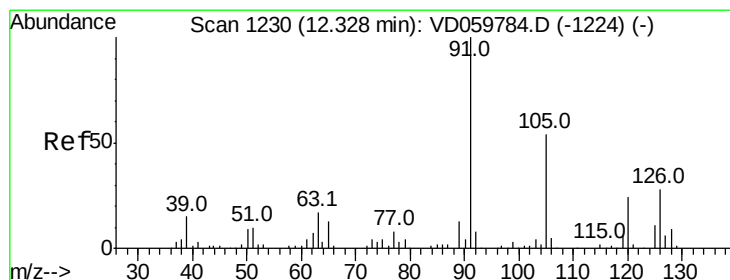
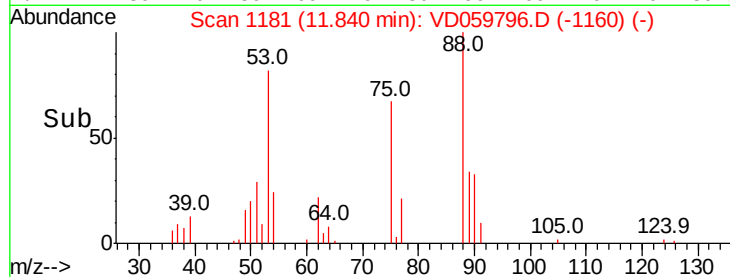
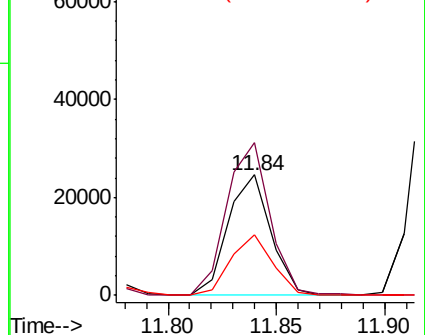
75 100

53 126.6 116.2 174.2

89 49.9 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 45.387 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059796.D

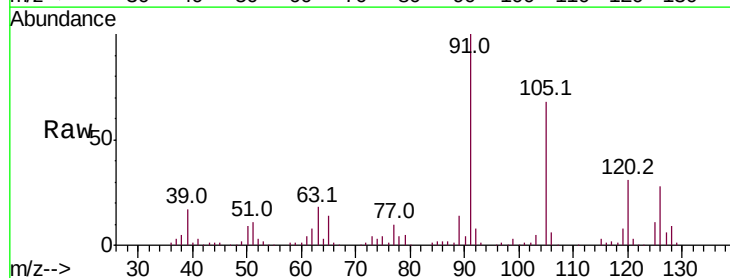
Acq: 15 Aug 2018 14:59

Tgt Ion: 91 Resp: 434886

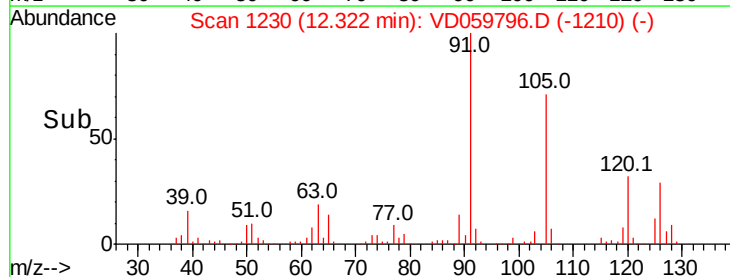
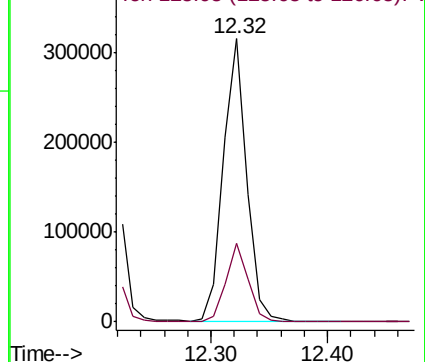
Ion Ratio Lower Upper

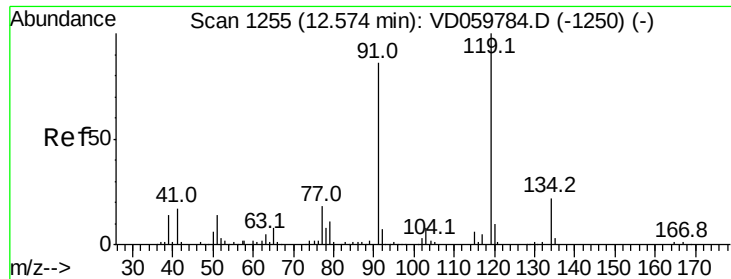
91 100

126 27.8 13.9 41.7



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

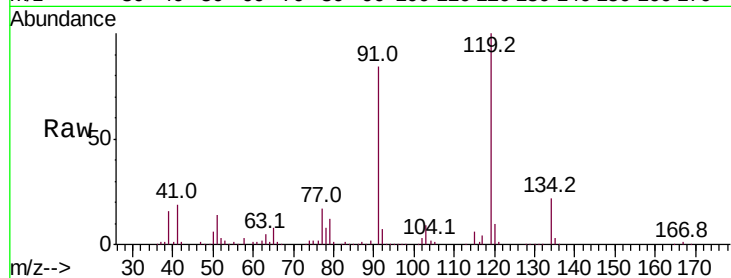




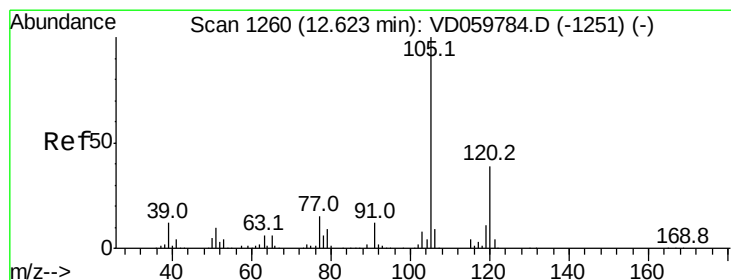
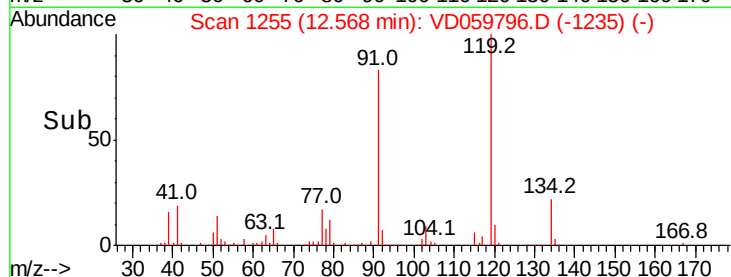
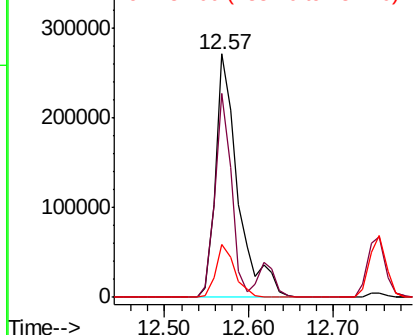
#83
 tert-Butylbenzene
 Concen: 50.500 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 501410
 Ion Ratio Lower Upper
 119 100
 91 83.7 43.1 129.3
 134 22.0 11.2 33.5

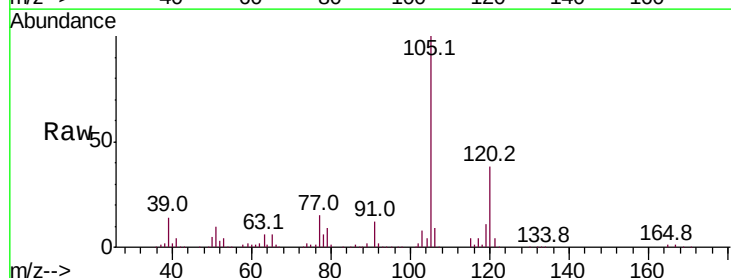


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

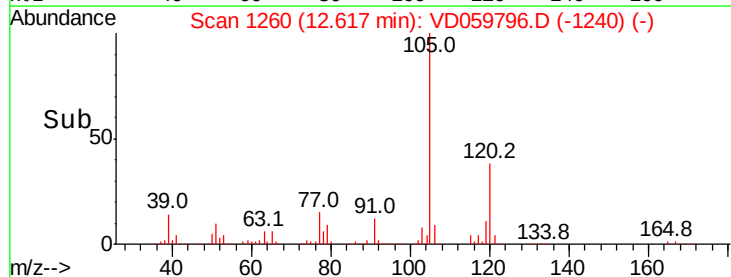
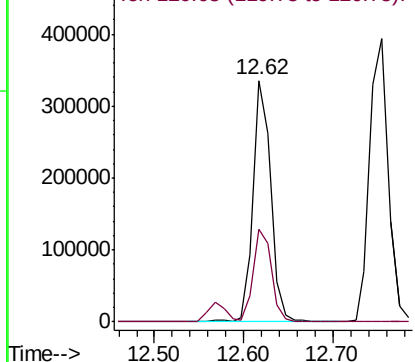


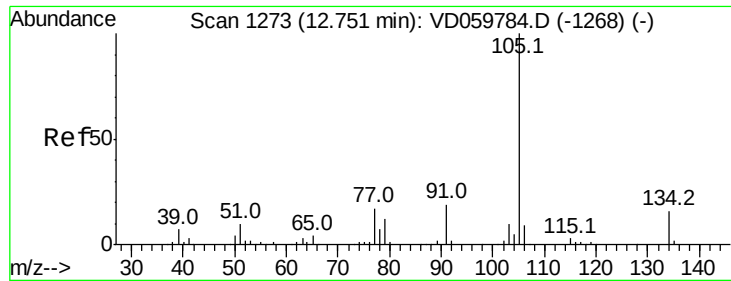
#84
 1,2,4-Trimethylbenzene
 Concen: 47.252 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:105 Resp: 457555
 Ion Ratio Lower Upper
 105 100
 120 38.3 19.6 58.8



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

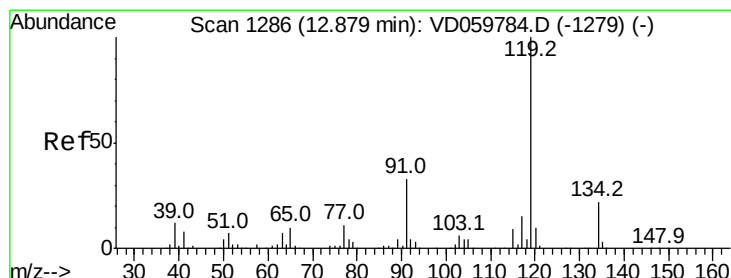
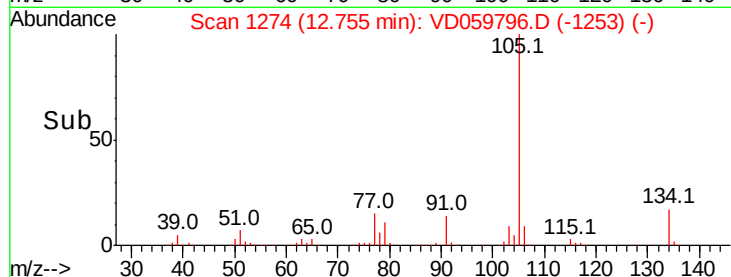
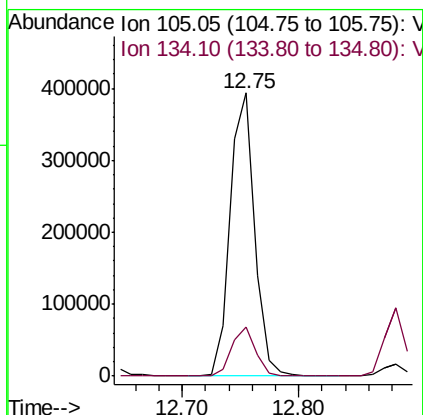
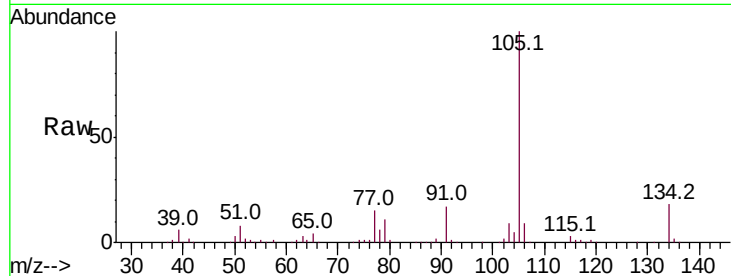




#85
 sec-Butylbenzene
 Concen: 49.446 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

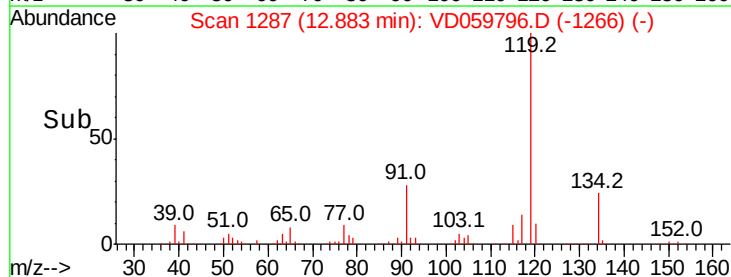
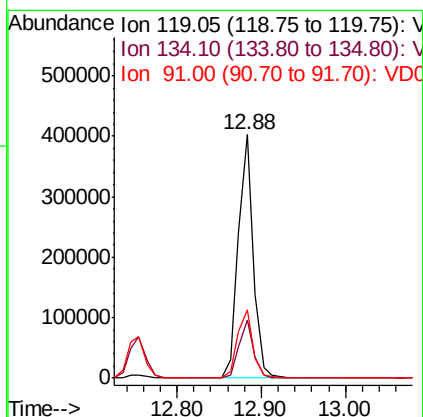
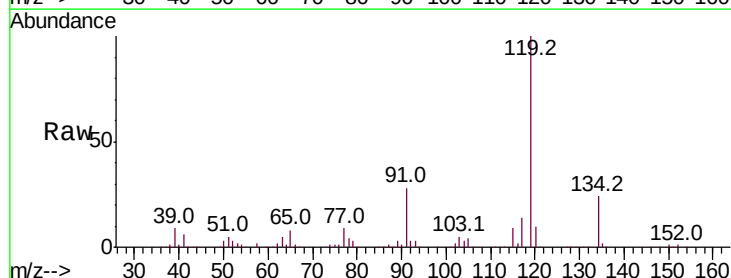
Instrument :
 MSVOA_D
 ClientSampleId :

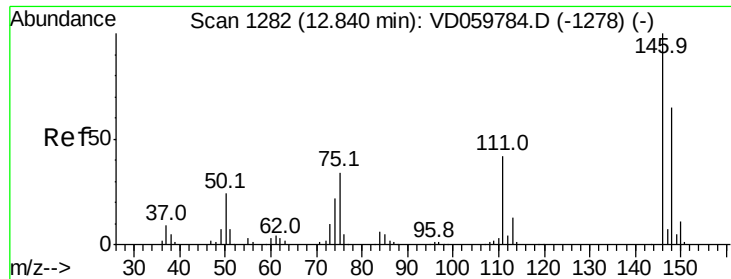
Tot Ion:105 Resp: 569025
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 51.651 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:119 Resp: 497366
 Ion Ratio Lower Upper
 119 100
 134 23.7 10.9 32.6
 91 27.9 16.4 49.4

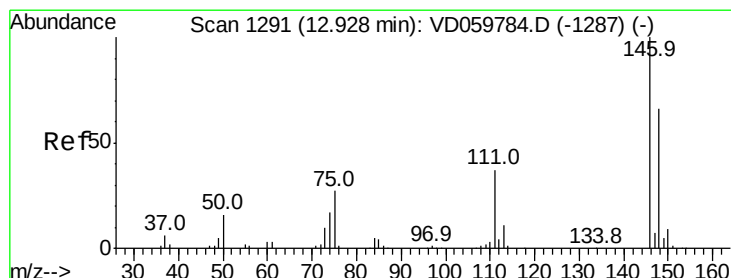
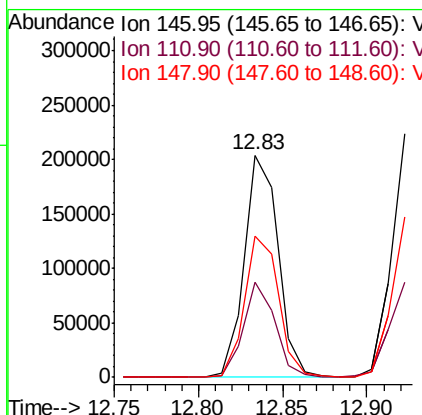
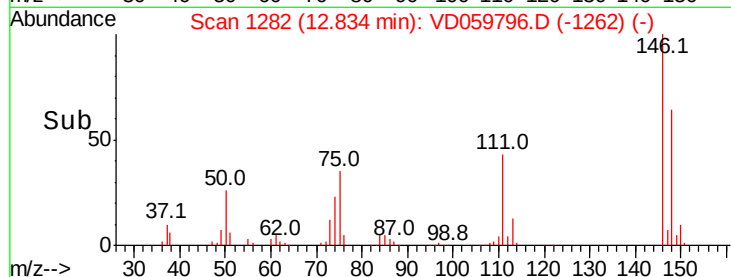
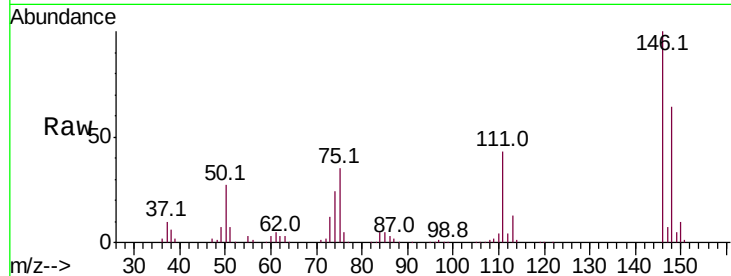




#87
 1,3-Dichlorobenzene
 Concen: 49.414 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

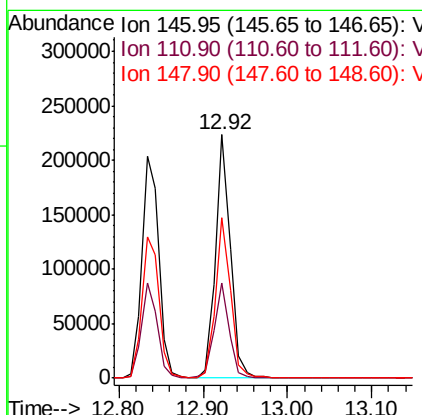
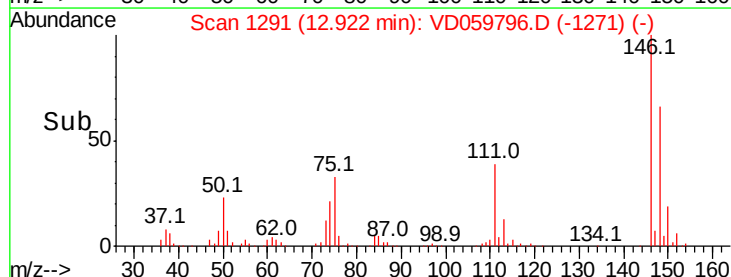
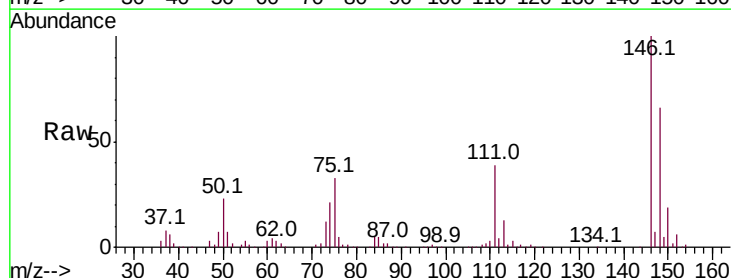
Instrument :
 MSVOA_D
 ClientSampled :

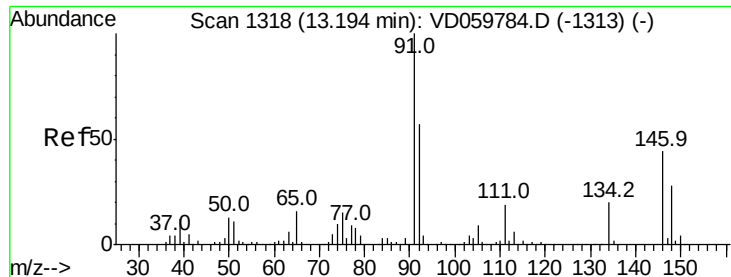
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	63.7	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 48.301 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	55.6
148	66.0	33.0	99.0

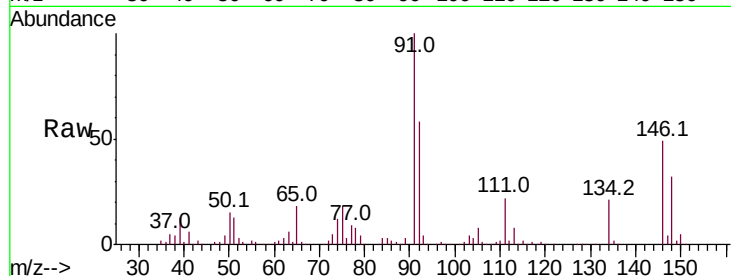




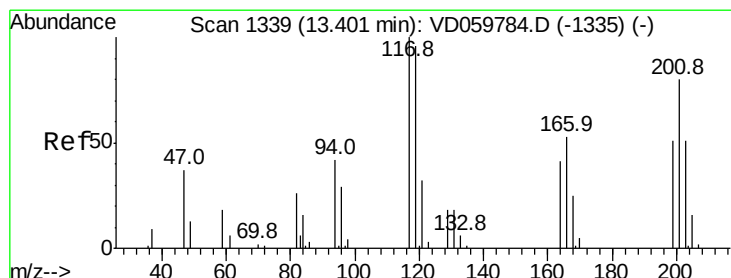
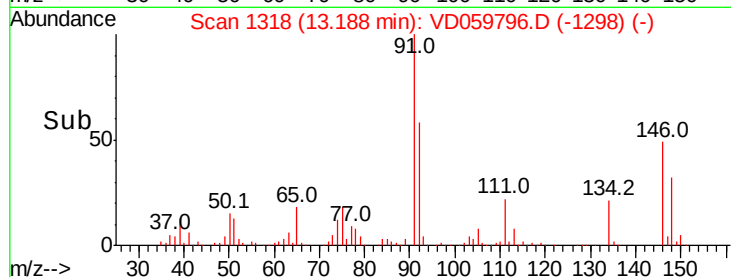
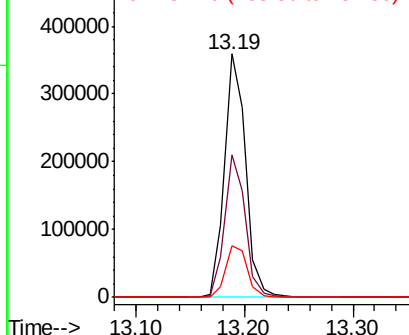
#89
n-Butylbenzene
Concen: 50.538 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 492042
Ion Ratio Lower Upper
91 100
92 58.3 28.4 85.3
134 20.9 10.2 30.4

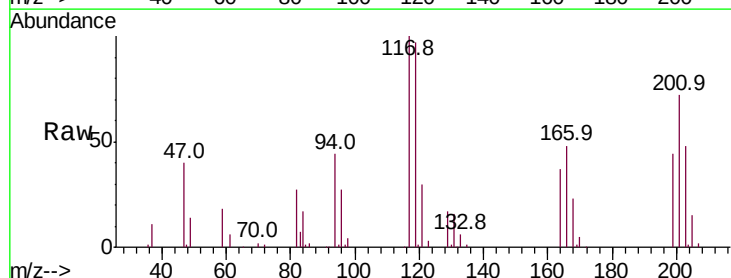


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

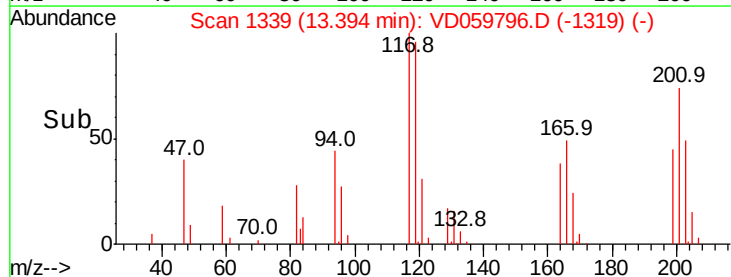
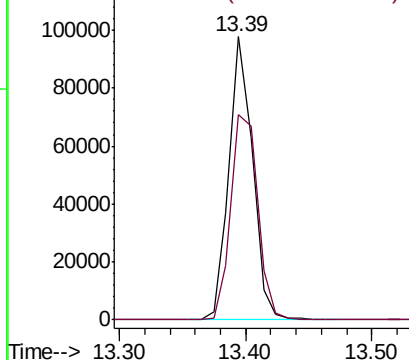


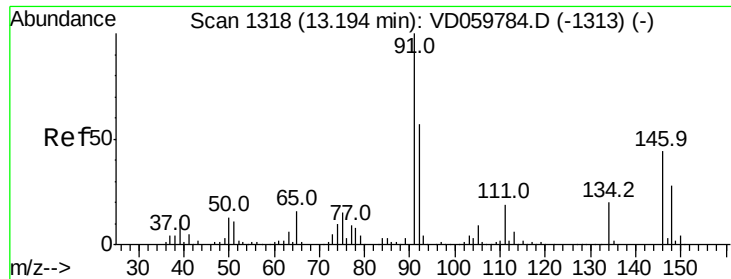
#90
Hexachloroethane
Concen: 52.351 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 117 Resp: 126497
Ion Ratio Lower Upper
117 100
201 72.4 39.9 119.7



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

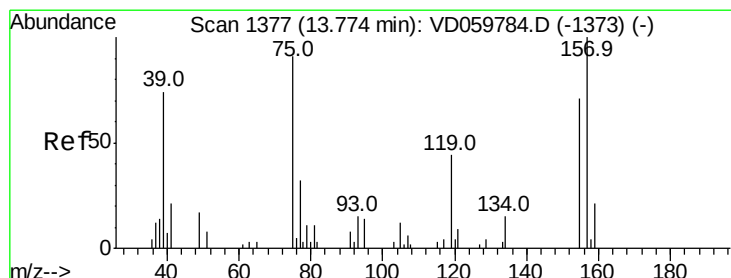
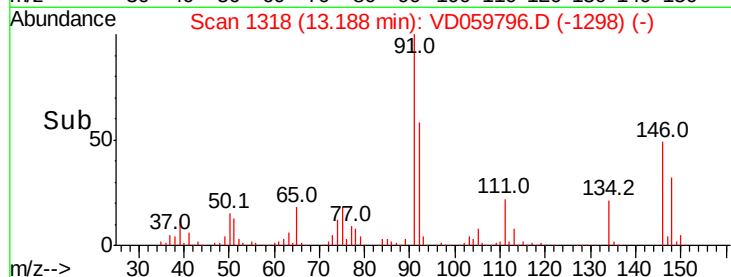
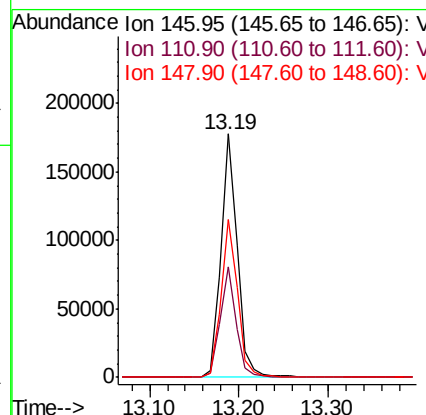
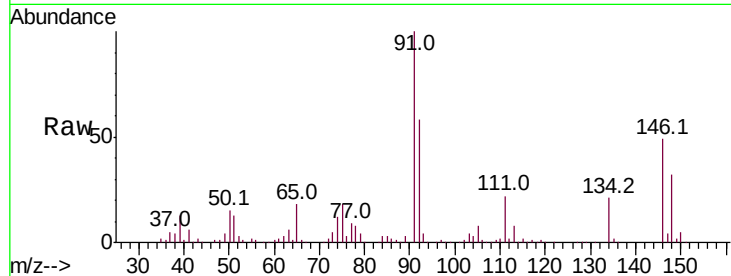




#91
 1,2-Dichlorobenzene
 Concen: 48.041 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

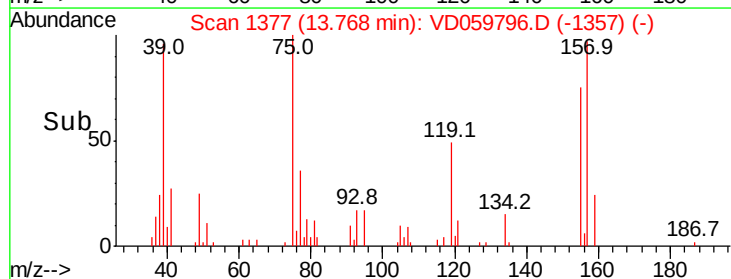
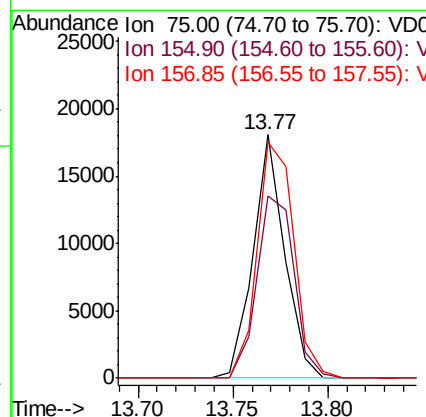
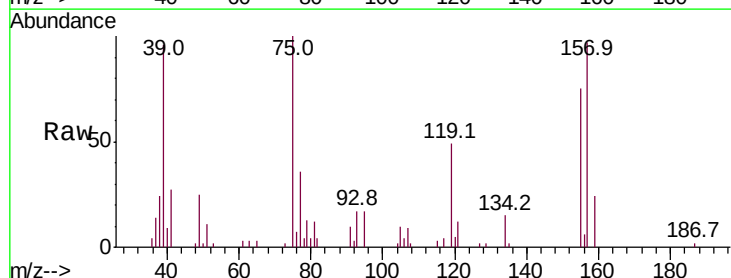
Instrument :
 MSVOA_D
 ClientSampled :

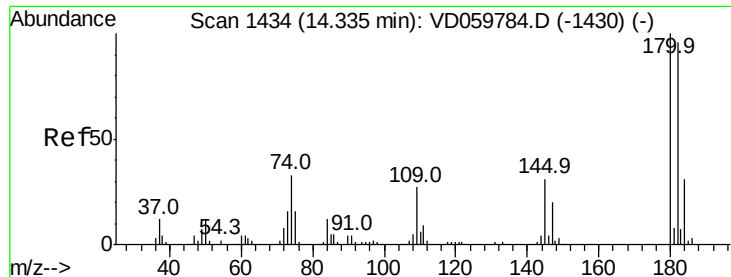
Tot Ion:146 Resp: 227224
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.1
 148 64.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.072 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 75 Resp: 20765
 Ion Ratio Lower Upper
 75 100
 155 75.0 39.0 117.0
 157 96.9 54.8 164.3

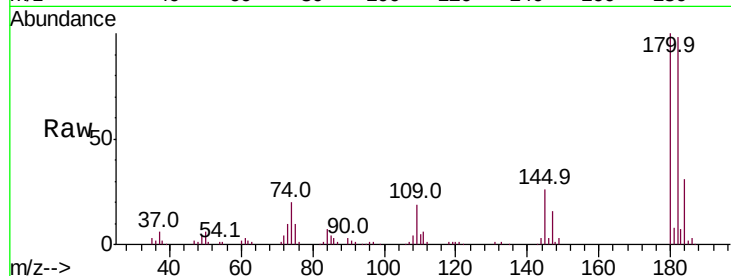




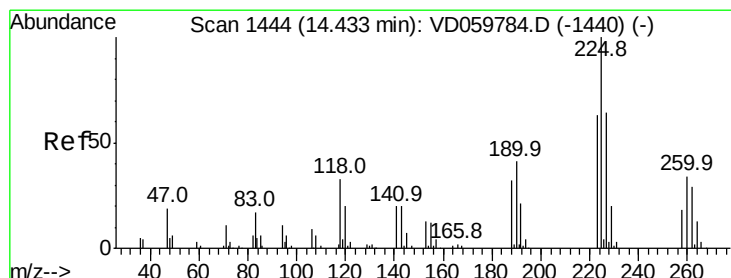
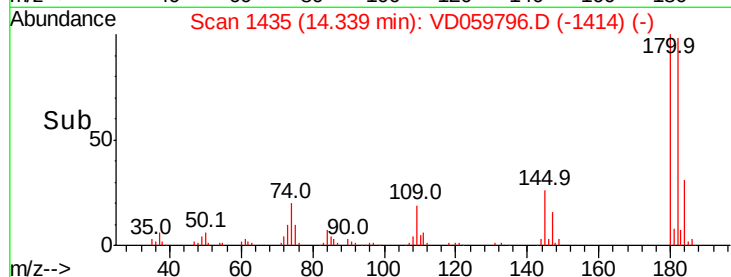
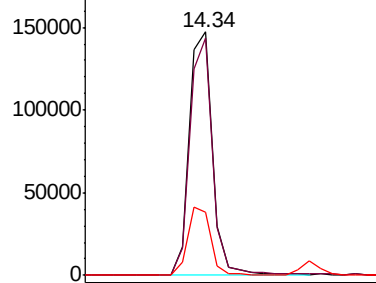
#93
 1,2,4-Trichlorobenzene
 Concen: 51.440 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 203431
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.0 144.0
 145 25.8 15.5 46.5

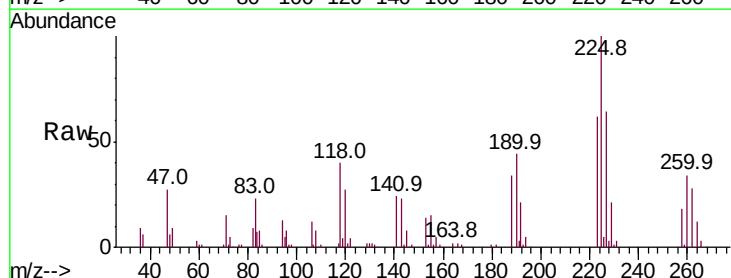


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

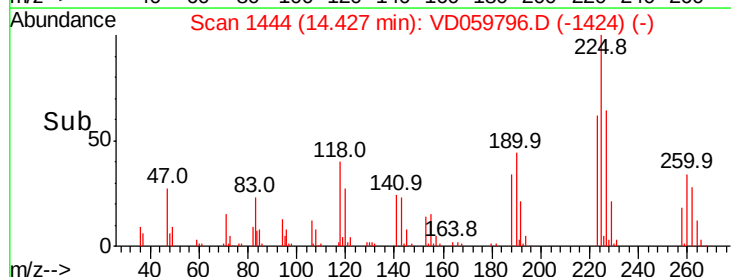
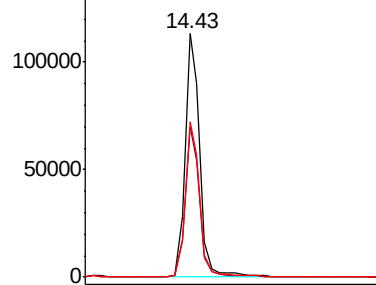


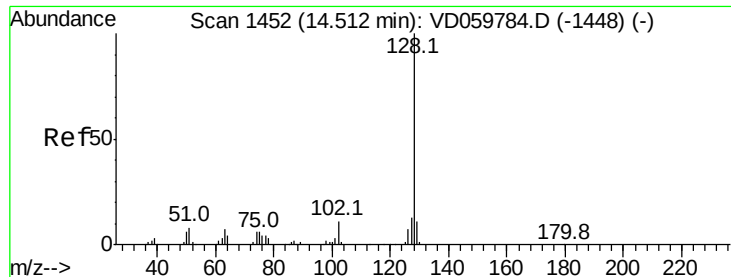
#94
 Hexachlorobutadiene
 Concen: 53.580 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:225 Resp: 156411
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.4 94.2
 227 63.8 32.1 96.5



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: 48.154 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampled :

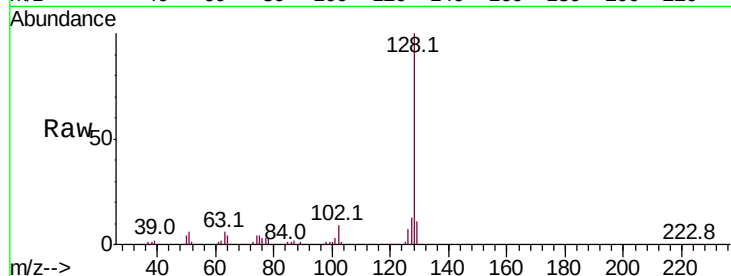
Tot Ion:128 Resp: 291559

Ion Ratio Lower Upper

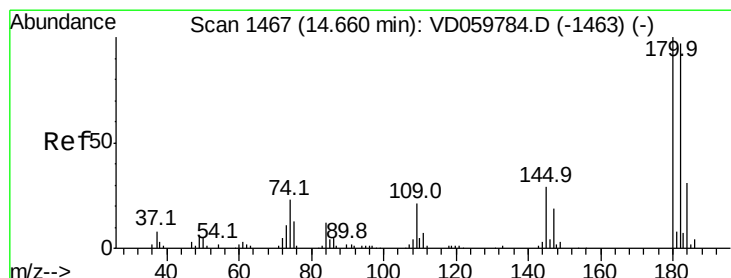
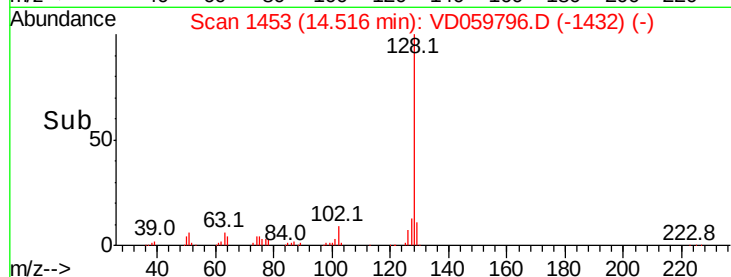
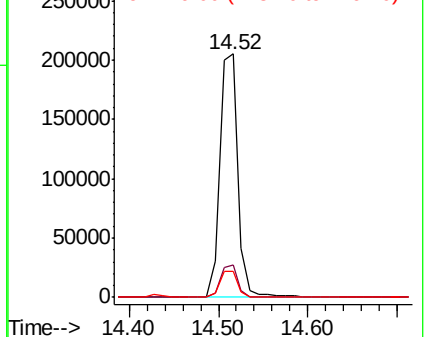
128 100

127 13.2 10.3 15.5

129 10.7 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.604 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

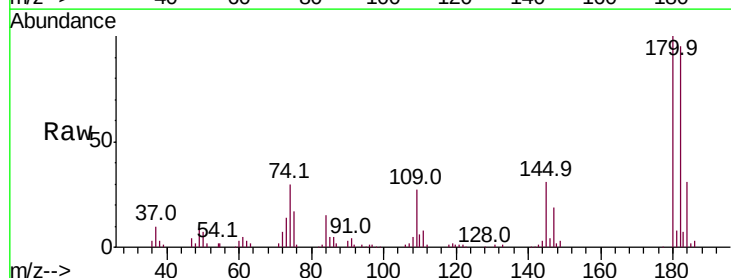
Tgt Ion:180 Resp: 183571

Ion Ratio Lower Upper

180 100

182 95.5 48.5 145.5

145 31.3 14.3 42.9



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

