

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059778.D
 Acq On : 14 Aug 2018 20:36
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 10:51:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	219232	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.68	114	280542	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	241960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	135488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	150027	43.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.44%	
35) Dibromofluoromethane	5.54	113	134982	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
50) Toluene-d8	8.70	98	318171	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
62) 4-Bromofluorobenzene	11.92	95	144965	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	56405	17.199	ug/l	95
3) Chloromethane	1.48	50	29353	23.620	ug/l	96
4) Vinyl Chloride	1.55	62	29574	18.846	ug/l	95
5) Bromomethane	1.78	94	7771	11.792	ug/l	97
6) Chloroethane	1.87	64	11236	13.910	ug/l	97
7) Trichlorofluoromethane	2.08	101	50947	15.134	ug/l	97
8) Diethyl Ether	2.33	74	9354	17.198	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.55	101	29561	17.126	ug/l	98
10) Methyl Iodide	2.69	142	24688	14.290	ug/l	93
11) Tert butyl alcohol	3.27	59	11399	95.856	ug/l #	82
12) 1,1-Dichloroethene	2.54	96	21289	17.249	ug/l	96
13) Acrolein	2.47	56	7361	103.930	ug/l	85
14) Allyl chloride	2.91	41	51997	19.067	ug/l	91
15) Acrylonitrile	3.35	53	37883	128.865	ug/l	95
16) Acetone	2.61	43	44335	79.089	ug/l #	91
17) Carbon Disulfide	2.75	76	61772	14.931	ug/l	97
18) Methyl Acetate	2.92	43	17848	16.769	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	109053	22.581	ug/l	96
20) Methylene Chloride	3.06	84	27961	17.278	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	42440	27.126	ug/l	86
22) Diisopropyl ether	4.06	45	140954	27.330	ug/l	85
23) Vinyl Acetate	4.00	43	424918	121.748	ug/l	98
24) 1,1-Dichloroethane	3.97	63	84856	22.277	ug/l #	99
25) 2-Butanone	4.83	43	64917	107.744	ug/l	97
26) 2,2-Dichloropropane	4.79	77	79870	17.936	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	45564	24.072	ug/l	88
28) Bromochloromethane	5.14	49	33528	24.445	ug/l	85
29) Tetrahydrofuran	5.18	42	30714	136.334	ug/l	99
30) Chloroform	5.31	83	102634	20.398	ug/l	98
31) Cyclohexane	5.59	56	55861	25.263	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	90357	17.323	ug/l	92
36) 1,1-Dichloropropene	5.74	75	67984	20.878	ug/l	94
37) Ethyl Acetate	4.91	43	32288	22.546	ug/l	98
38) Carbon Tetrachloride	5.72	117	81681	15.943	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	54939	22.772	ug/l	96
40) Benzene	6.01	78	137209	24.183	ug/l	99
41) Methacrylonitrile	5.12	41	16091	23.902	ug/l #	89
42) 1,2-Dichloroethane	6.12	62	75754	16.835	ug/l	92
43) Isopropyl Acetate	7.62	43	41182	22.825	ug/l	99
44) Trichloroethene	6.98	130	45774	20.003	ug/l	92
45) 1,2-Dichloropropane	7.34	63	35301	24.426	ug/l	92
46) Dibromomethane	7.46	93	29731	19.369	ug/l	93
47) Bromodichloromethane	7.73	83	69768	17.204	ug/l	99
48) Methyl methacrylate	7.50	41	27524	20.900	ug/l #	81
49) 1,4-Dioxane	7.49	88	4694	504.202	ug/l #	75
51) 4-Methyl-2-Pentanone	8.59	43	135911	97.723	ug/l	94
52) Toluene	8.80	92	91683	25.127	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	62275	19.110	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	61720	19.732	ug/l	87
55) 1,1,2-Trichloroethane	9.45	97	32797	22.794	ug/l	98
56) Ethyl methacrylate	9.31	69	34155	20.831	ug/l #	81
57) 1,3-Dichloropropane	9.66	76	52825	22.054	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	92289	121.536	ug/l	99
59) 2-Hexanone	9.78	43	101590	97.613	ug/l	90
60) Dibromochloromethane	9.96	129	48965	17.640	ug/l	96
61) 1,2-Dibromoethane	10.09	107	36562	20.320	ug/l	96
64) Tetrachloroethene	9.51	164	44921	18.915	ug/l	89
65) Chlorobenzene	10.72	112	104969	21.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	44537	17.806	ug/l	96
67) Ethyl Benzene	10.85	91	199091	21.517	ug/l	95
68) m/p-Xylenes	11.01	106	132576	44.695	ug/l	79
69) o-Xylene	11.40	106	60263	20.893	ug/l	86
70) Styrene	11.43	104	103156	21.838	ug/l	90
71) Bromoform	11.60	173	32733	17.303	ug/l #	96
73) Isopropylbenzene	11.77	105	188894	20.521	ug/l	96
74) N-amyl acetate	11.64	43	55228	20.929	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.07	83	40491	24.110	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	44303	22.105	ug/l	100
77) Bromobenzene	12.04	156	54499	20.273	ug/l	80
78) n-propylbenzene	12.15	91	236177	21.121	ug/l	97
79) 2-Chlorotoluene	12.21	91	147636	20.851	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	156162	19.582	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.85	75	8995	19.926	ug/l #	72
82) 4-Chlorotoluene	12.32	91	166835	19.988	ug/l	94
83) tert-Butylbenzene	12.57	119	172453	19.883	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	167923	20.406	ug/l	93
85) sec-Butylbenzene	12.75	105	201981	21.906	ug/l	98
86) p-Isopropyltoluene	12.88	119	170843	20.562	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	96128	21.120	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	96771	21.268	ug/l	96
89) n-Butylbenzene	13.19	91	174203	21.205	ug/l	99
90) Hexachloroethane	13.40	117	39984	18.549	ug/l	95
91) 1,2-Dichlorobenzene	13.19	146	83550	21.607	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7232	17.285	ug/l	95

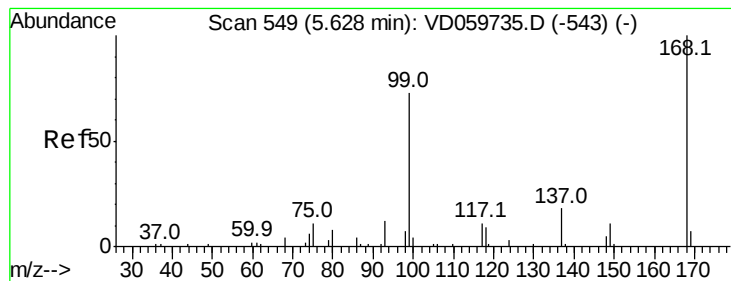
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
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QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	67033	18.259	ug/l	96
94) Hexachlorobutadiene	14.43	225	50544	16.428	ug/l	94
95) Naphthalene	14.51	128	103341	20.905	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	58590	18.667	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

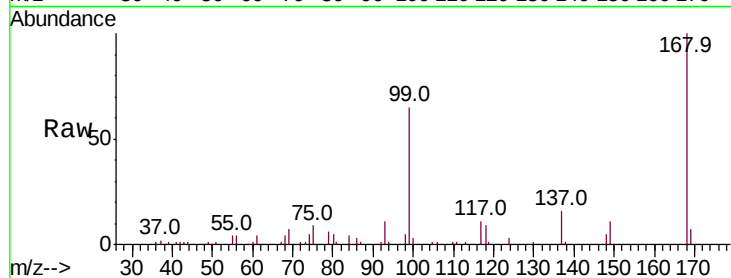
ClientSampleId :

Tot Ion:168 Resp: 219232

Ion Ratio Lower Upper

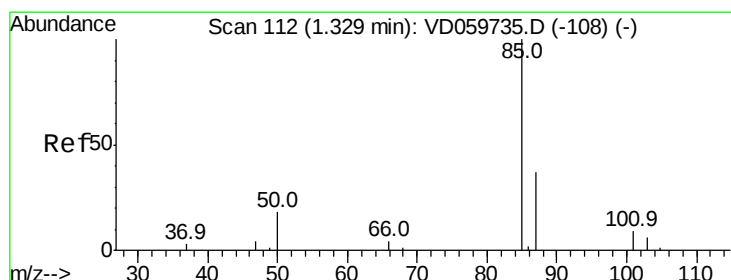
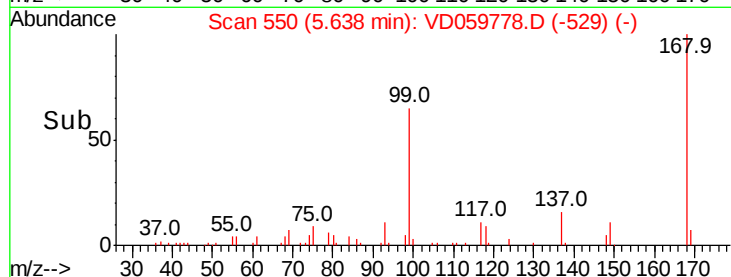
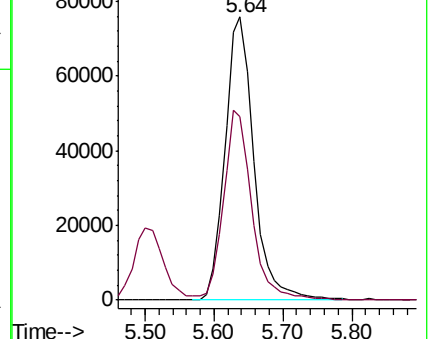
168 100

99 64.8 61.4 92.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.199 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059778.D

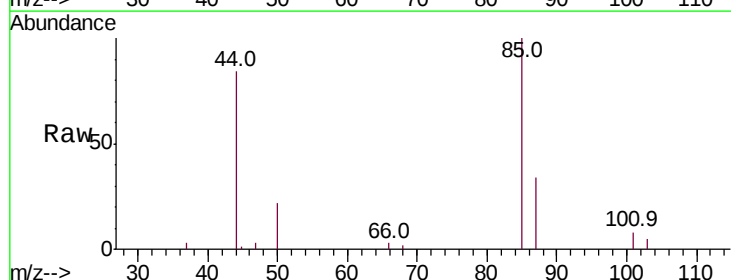
Acq: 14 Aug 2018 20:36

Tgt Ion: 85 Resp: 56405

Ion Ratio Lower Upper

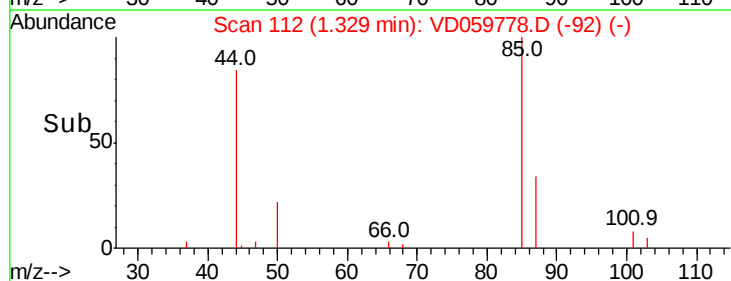
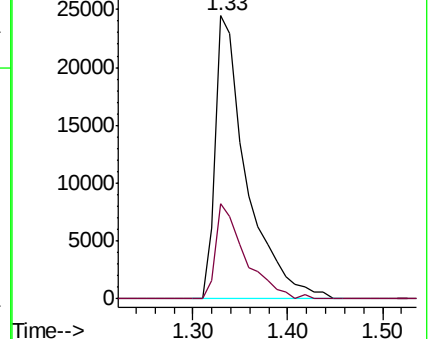
85 100

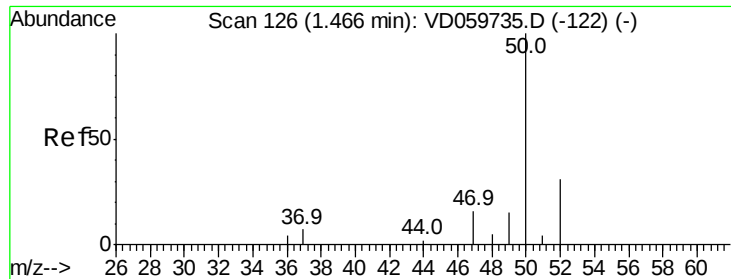
87 33.7 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.620 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

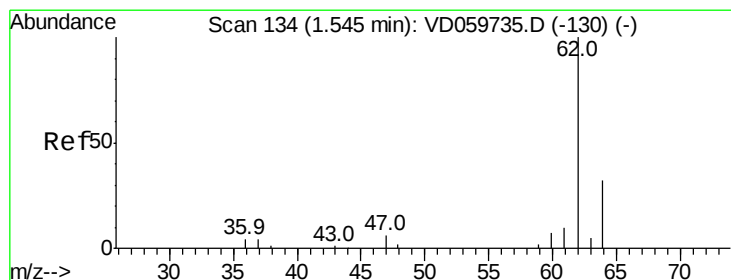
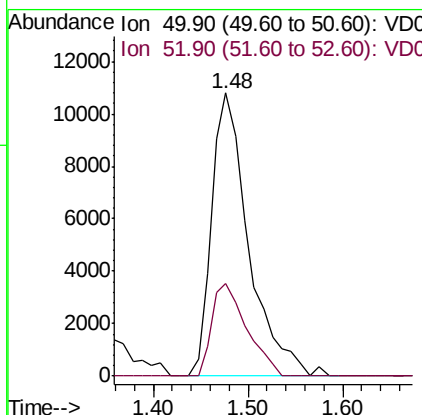
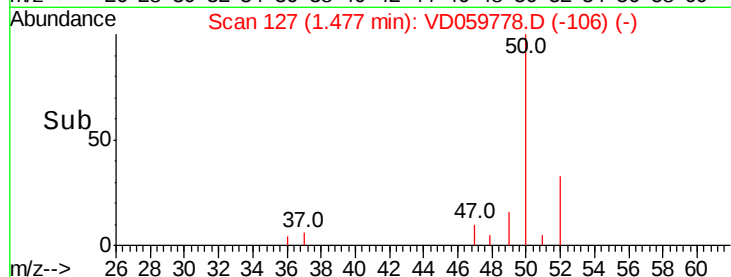
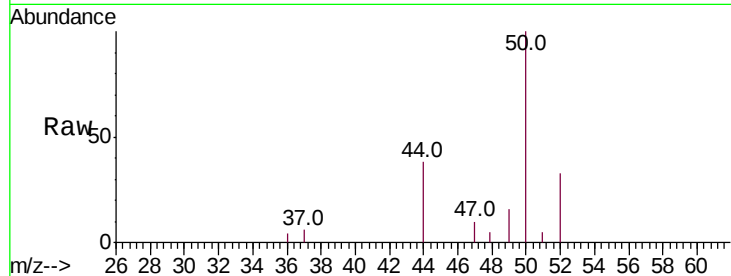
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 29353

Ion Ratio Lower Upper

50 100

52 33.0 24.8 37.2



#4

Vinyl Chloride

Concen: 18.846 ug/l

RT: 1.55 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059778.D

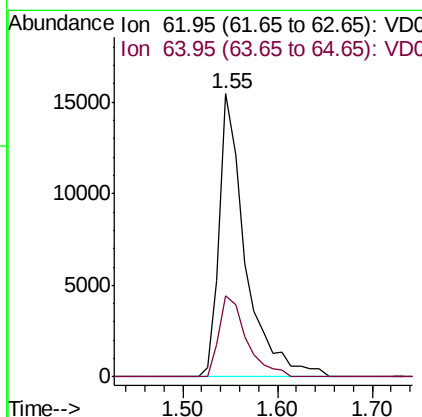
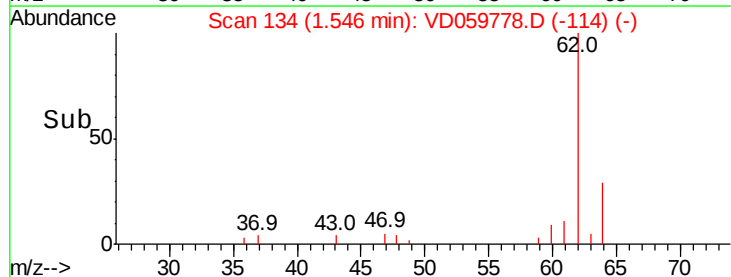
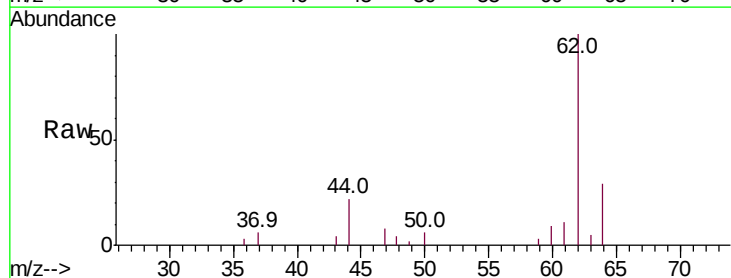
Acq: 14 Aug 2018 20:36

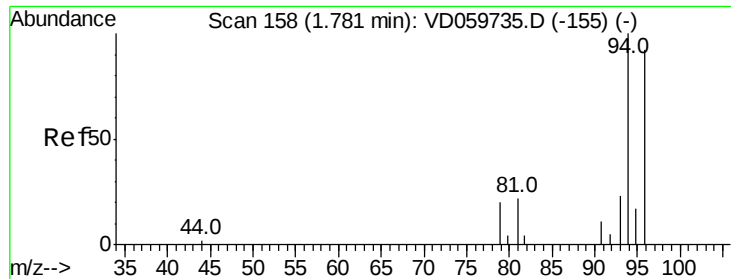
Tgt Ion: 62 Resp: 29574

Ion Ratio Lower Upper

62 100

64 28.6 25.3 37.9

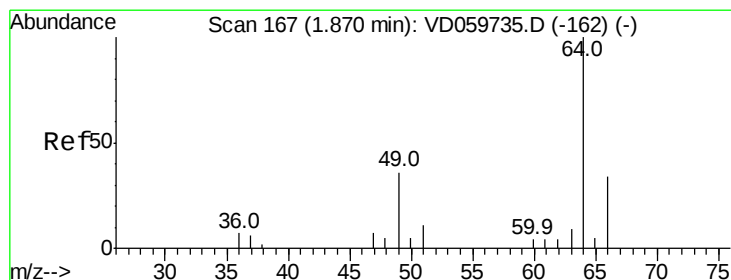
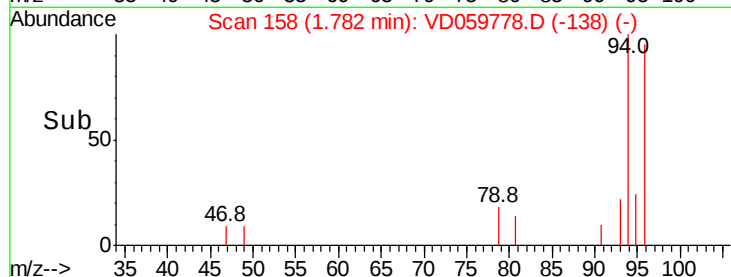
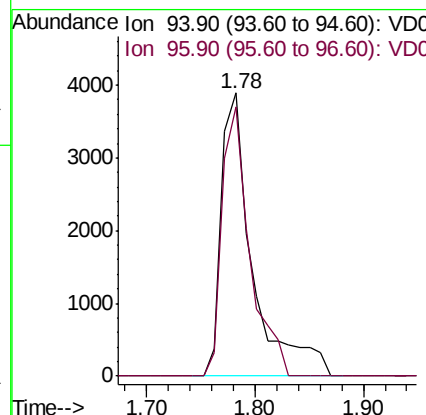
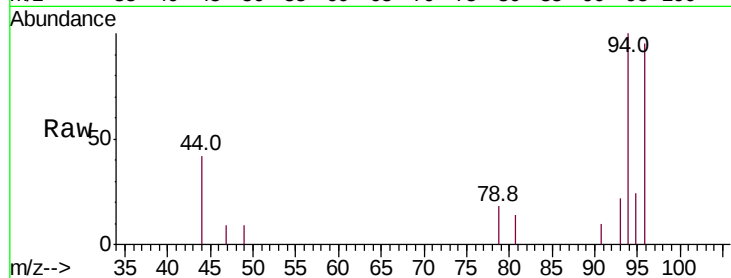




#5
Bromomethane
Concen: 11.792 ug/l
RT: 1.78 min Scan# 158
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

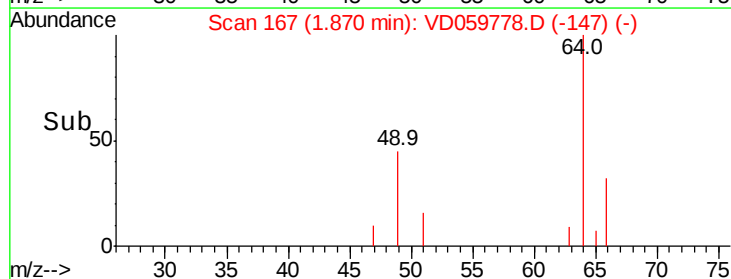
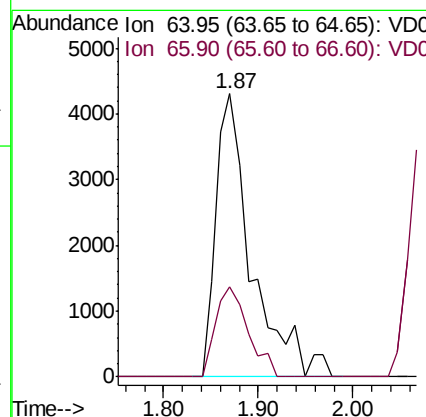
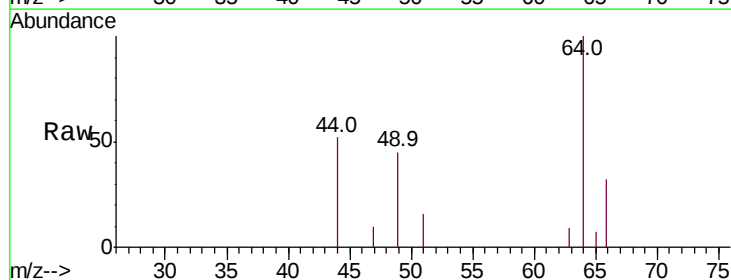
Instrument :
MSVOA_D
ClientSampleId :

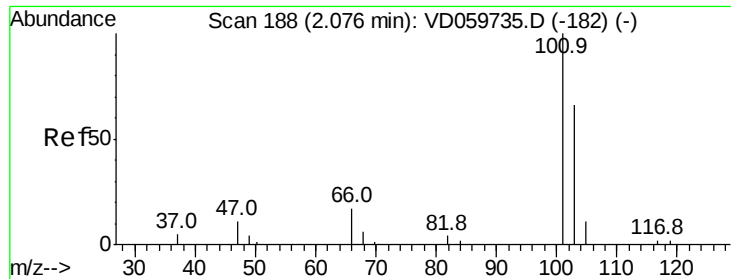
Tot Ion: 94 Resp: 7771
Ion Ratio Lower Upper
94 100
96 94.9 73.4 110.2



#6
Chloroethane
Concen: 13.910 ug/l
RT: 1.87 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 64 Resp: 11236
Ion Ratio Lower Upper
64 100
66 31.9 26.9 40.3



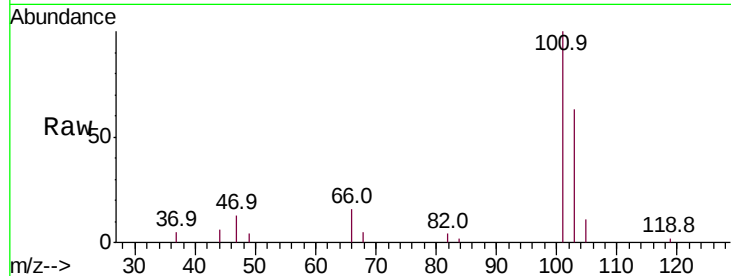


#7

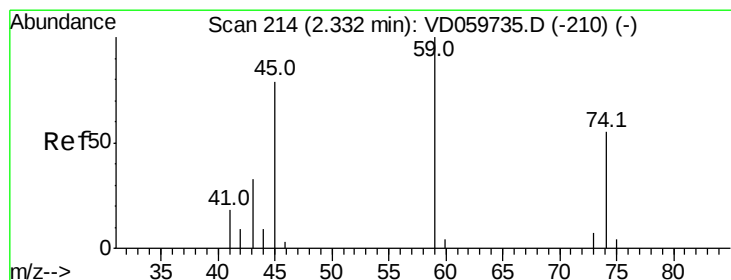
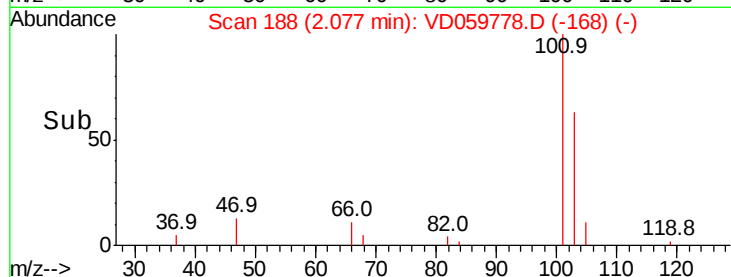
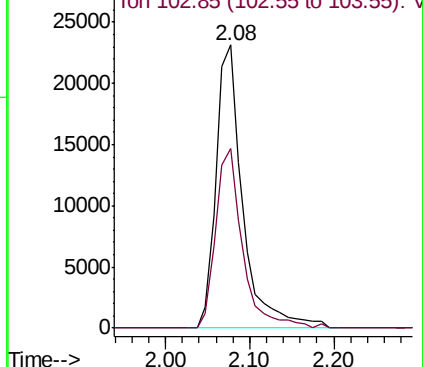
Trichlorofluoromethane
 Concen: 15.134 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 50947
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



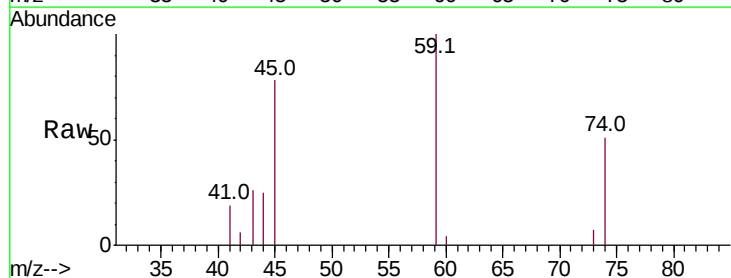
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



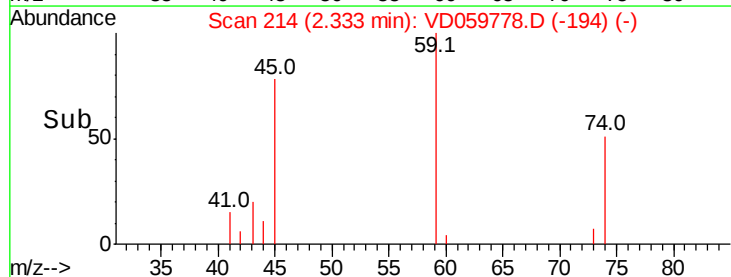
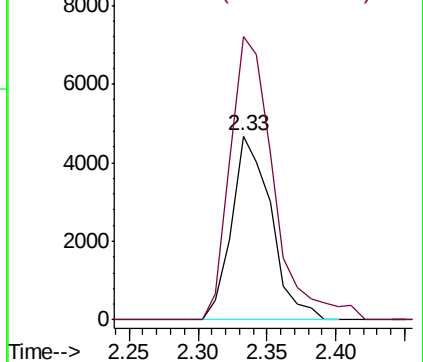
#8

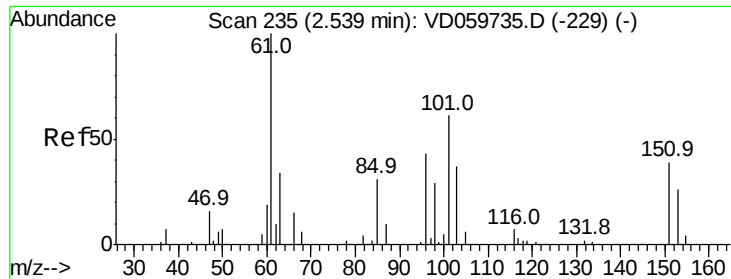
Diethyl Ether
 Concen: 17.198 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion: 74 Resp: 9354
 Ion Ratio Lower Upper
 74 100
 45 153.7 71.1 213.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.126 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

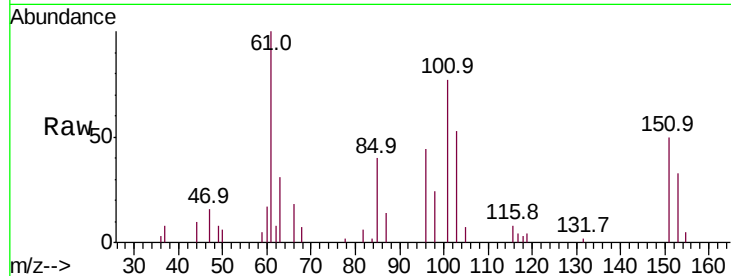
Tot Ion:101 Resp: 29561

Ion Ratio Lower Upper

101 100

85 51.5 39.7 59.5

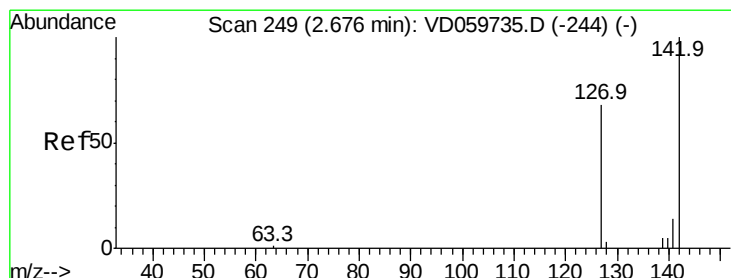
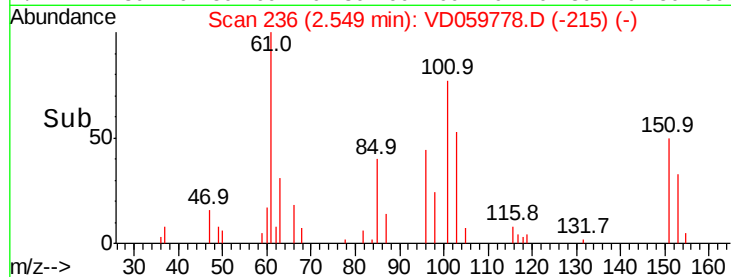
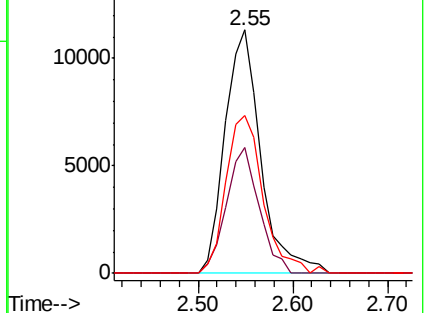
151 64.9 50.8 76.2



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 14.290 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

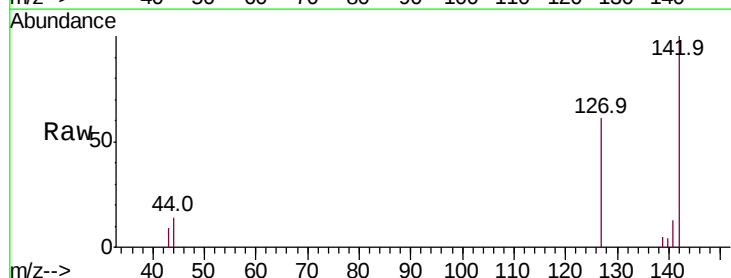
Tgt Ion:142 Resp: 24688

Ion Ratio Lower Upper

142 100

127 61.3 54.0 81.0

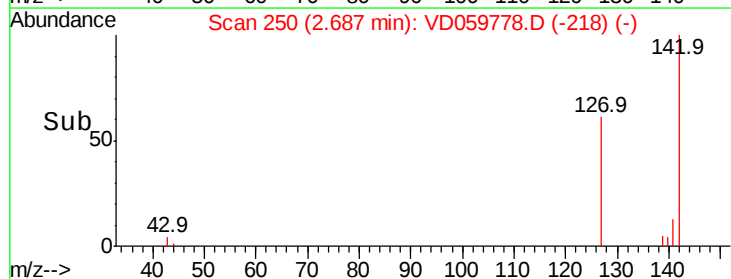
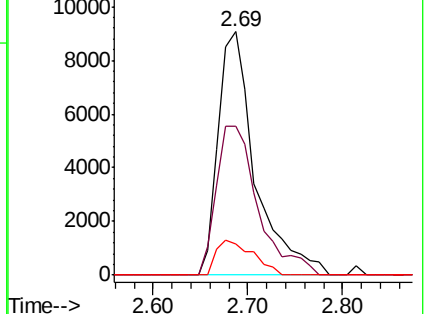
141 12.8 11.0 16.4

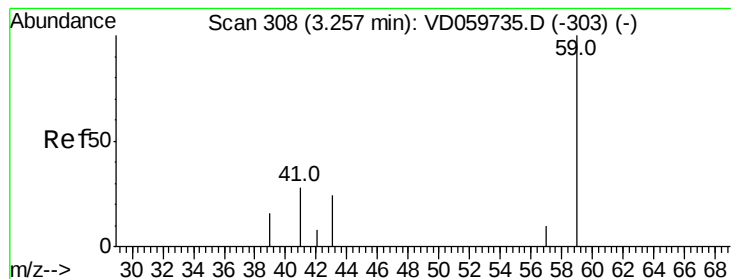


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 95.856 ug/l

RT: 3.27 min Scan# 309

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

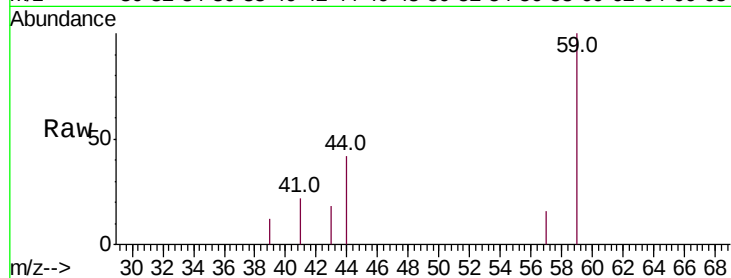
ClientSampled :

Tot Ion: 59 Resp: 11399

Ion Ratio Lower Upper

59 100

57 15.5 7.3 10.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

6000

5000

4000

3000

2000

1000

0

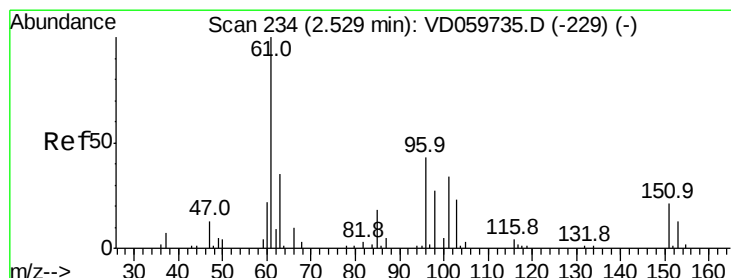
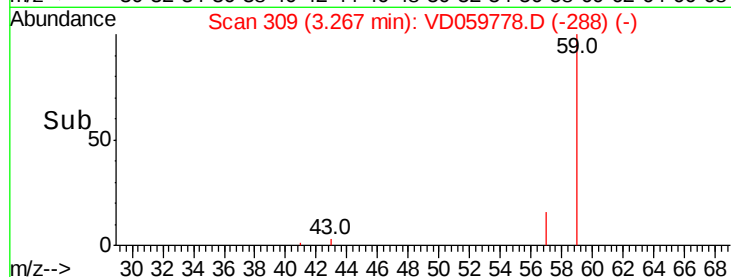
Time-->

3.20

3.25

3.30

3.35



#12

1,1-Dichloroethene

Concen: 17.249 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

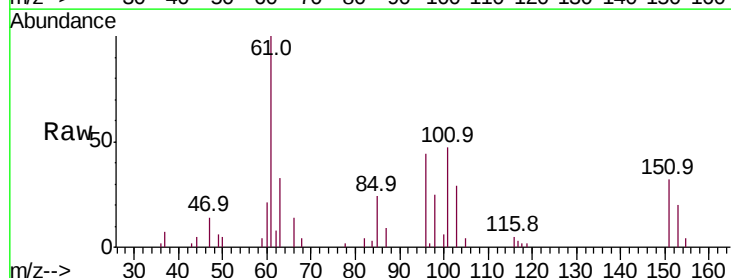
Tgt Ion: 96 Resp: 21289

Ion Ratio Lower Upper

96 100

61 227.8 187.2 280.8

98 57.8 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

30000

25000

20000

15000

10000

5000

0

Time-->

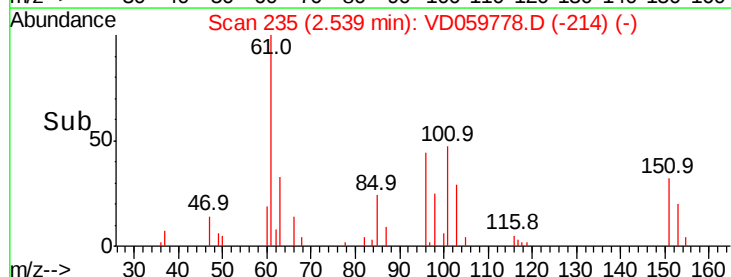
2.45

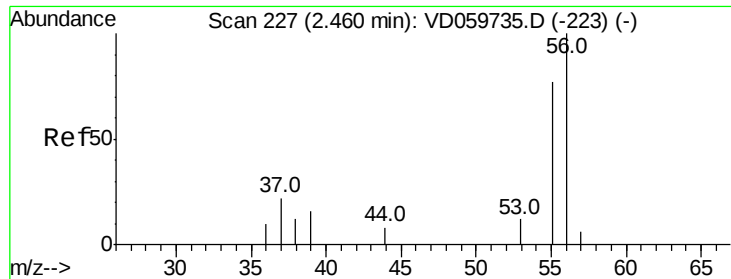
2.50

2.55

2.60

2.65

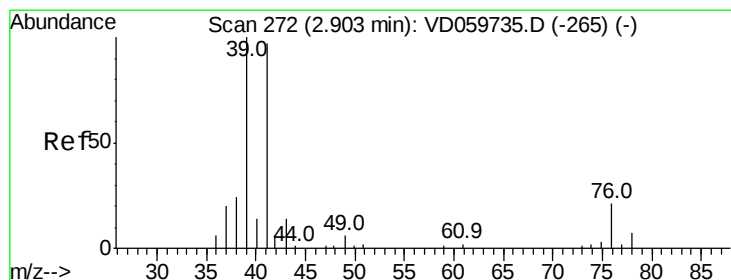
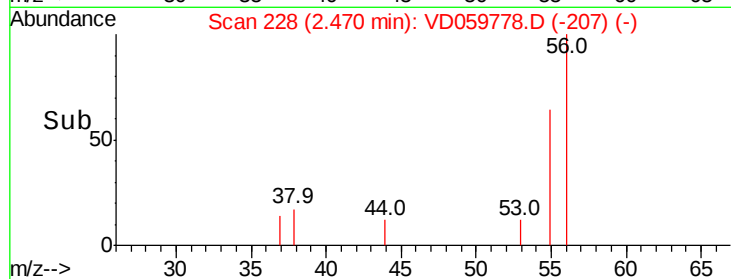
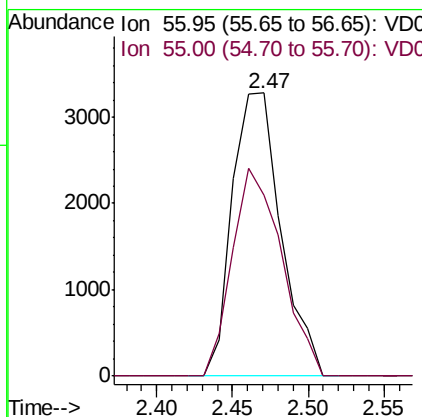
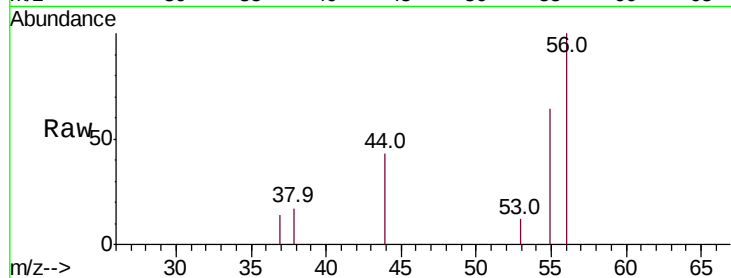




#13
Acrolein
Concen: 103.930 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

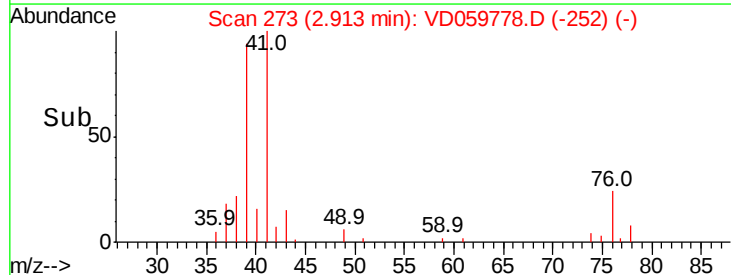
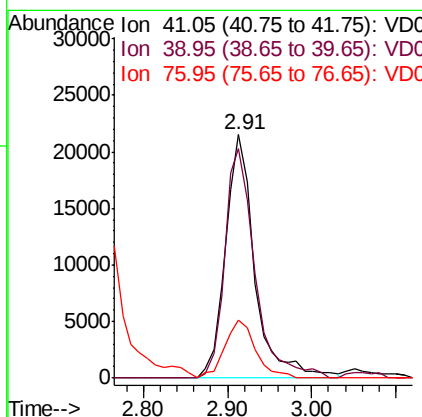
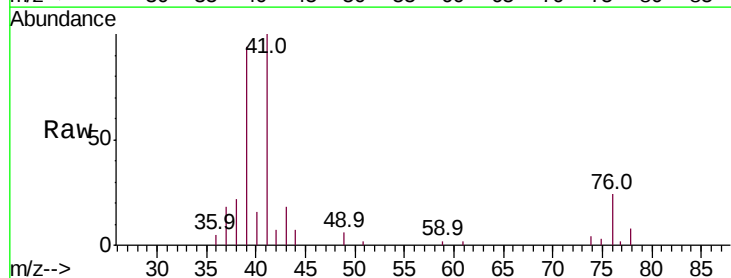
Instrument :
MSVOA_D
ClientSampleId :

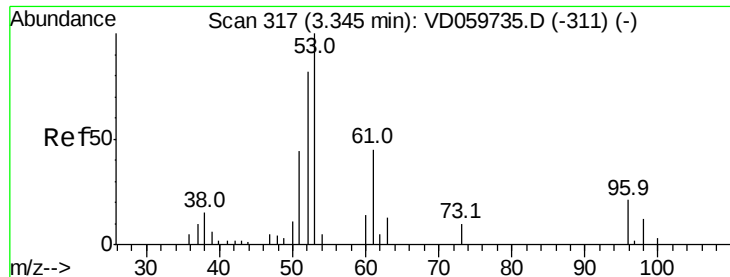
Tot Ion: 56 Resp: 7361
Ion Ratio Lower Upper
56 100
55 64.1 61.4 92.2



#14
Allyl chloride
Concen: 19.067 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 41 Resp: 51997
Ion Ratio Lower Upper
41 100
39 94.3 82.9 124.3
76 24.0 22.2 33.2





#15

Acrylonitrile

Concen: 128.865 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampled :

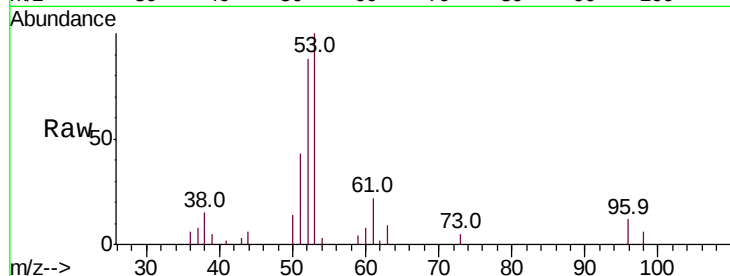
Tot Ion: 53 Resp: 37883

Ion Ratio Lower Upper

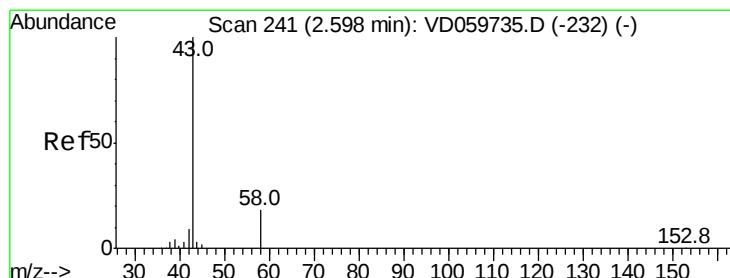
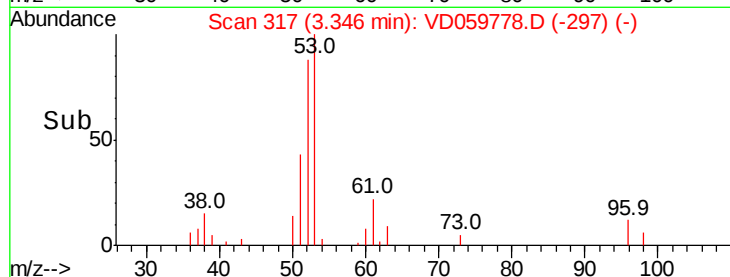
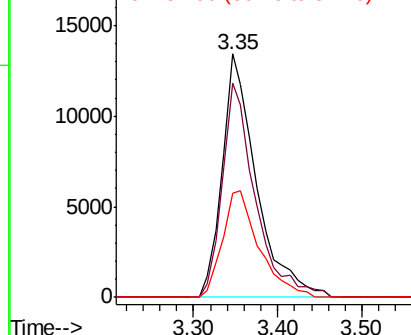
53 100

52 88.2 65.8 98.6

51 42.6 35.1 52.7



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: 79.089 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059778.D

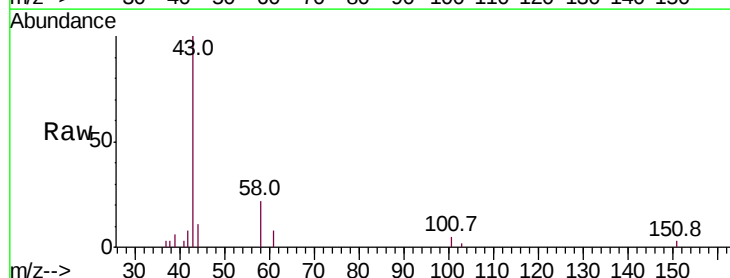
Acq: 14 Aug 2018 20:36

Tgt Ion: 43 Resp: 44335

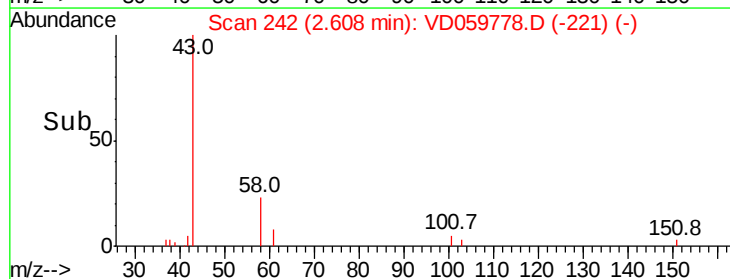
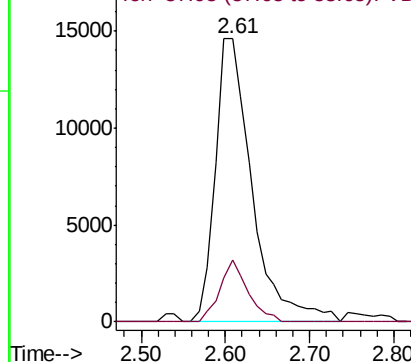
Ion Ratio Lower Upper

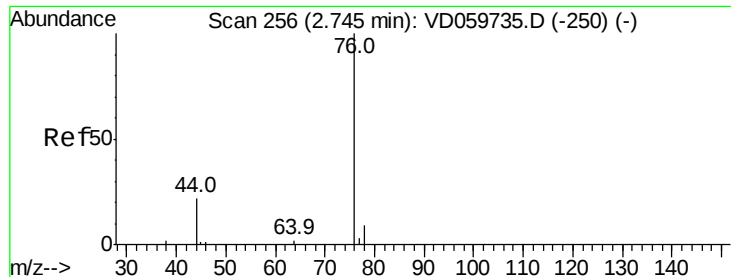
43 100

58 22.1 14.6 21.8#



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

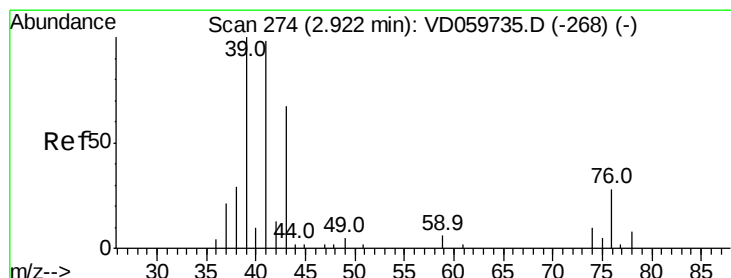
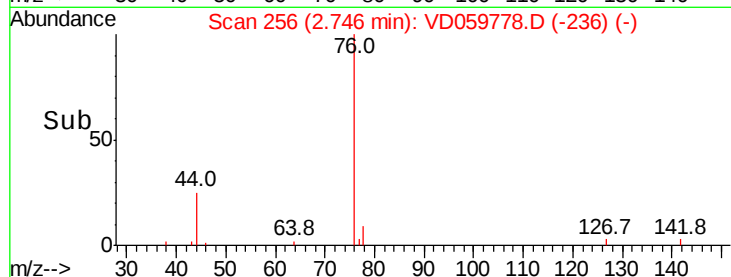
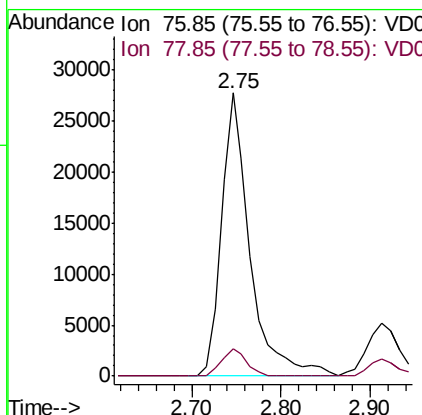
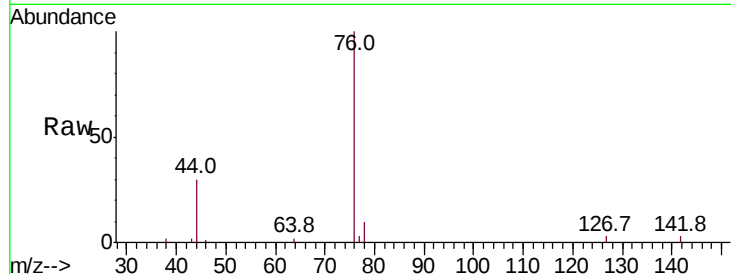




#17
Carbon Disulfide
Concen: 14.931 ug/l
RT: 2.75 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

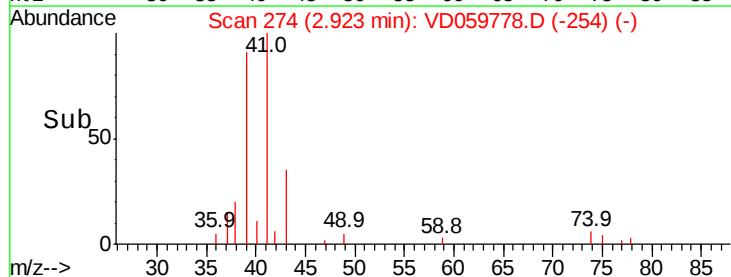
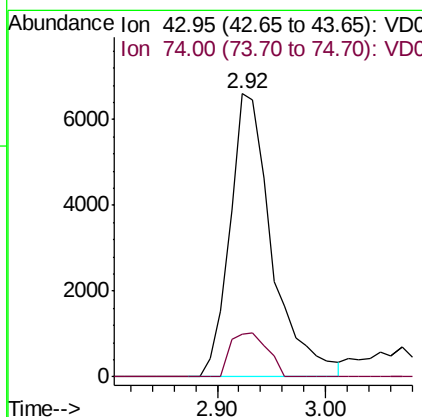
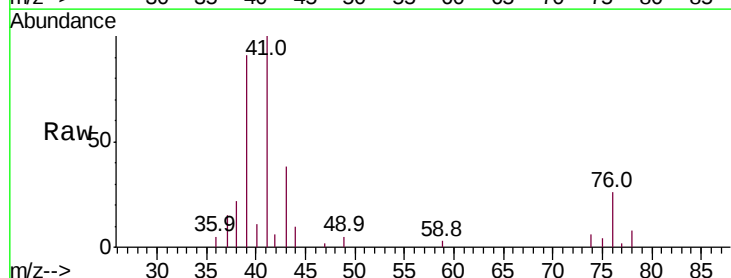
Instrument :
MSVOA_D
ClientSampleId :

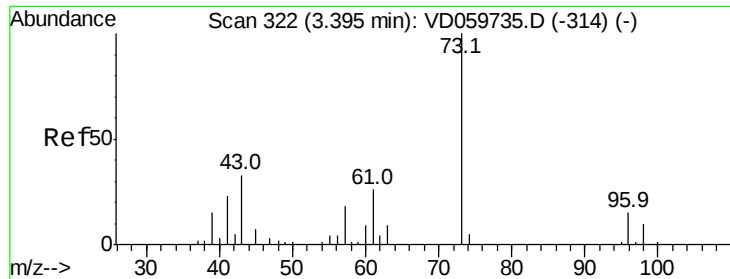
Tot Ion: 76 Resp: 61772
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#18
Methyl Acetate
Concen: 16.769 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 43 Resp: 17848
Ion Ratio Lower Upper
43 100
74 15.3 12.1 18.1

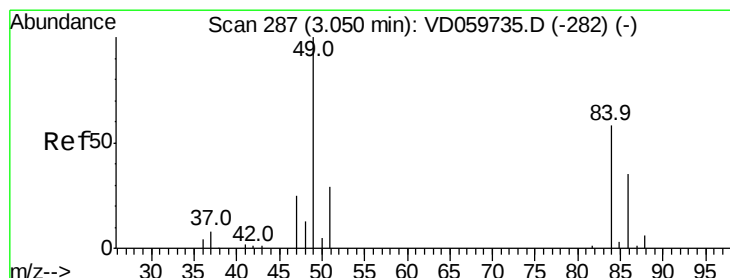
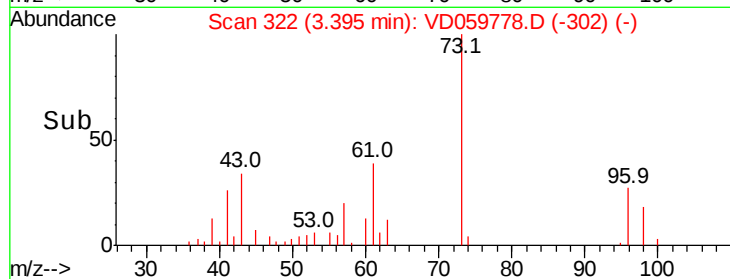
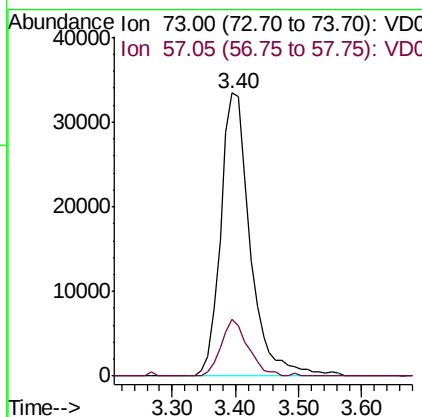
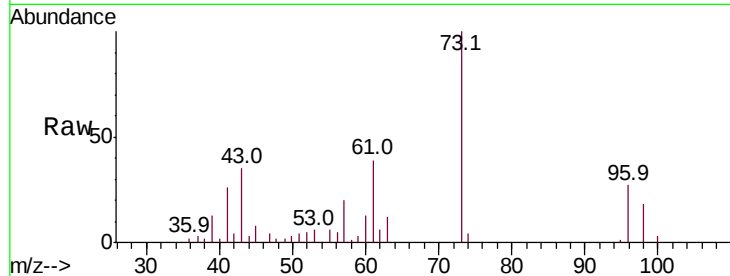




#19
Methvl tert-butvl Ether
Concen: 22.581 ug/l
RT: 3.40 min Scan# 322
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

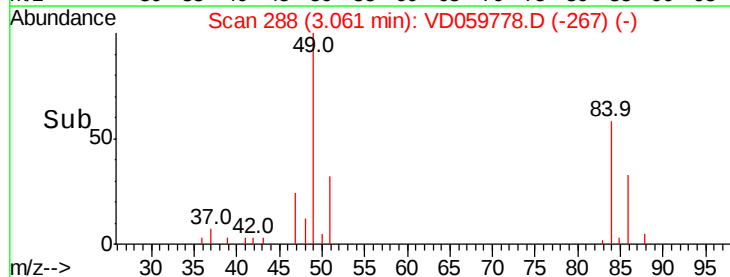
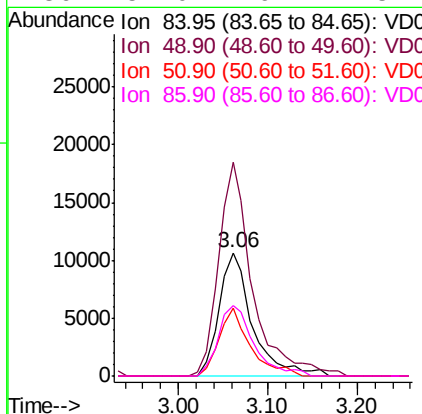
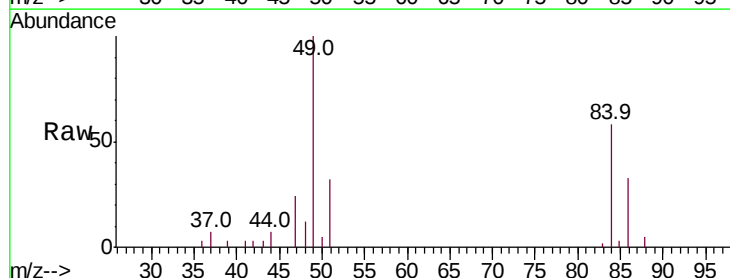
Instrument :
MSVOA_D
ClientSampleId :

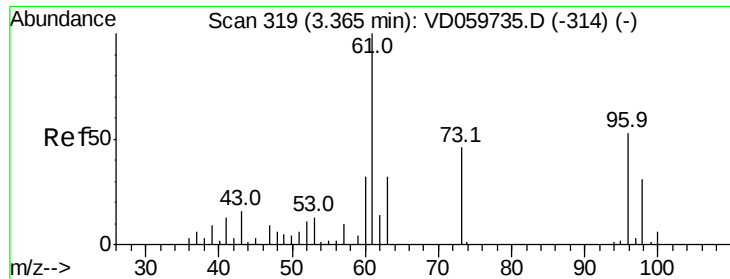
Tot Ion: 73 Resp: 109053
Ion Ratio Lower Upper
73 100
57 20.1 14.8 22.2



#20
Methylene Chloride
Concen: 17.278 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 84 Resp: 27961
Ion Ratio Lower Upper
84 100
49 173.3 138.9 208.3
51 55.2 40.2 60.2
86 57.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 27.126 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.01 min

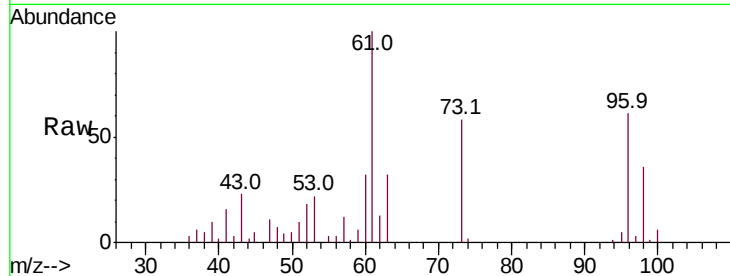
Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 42440

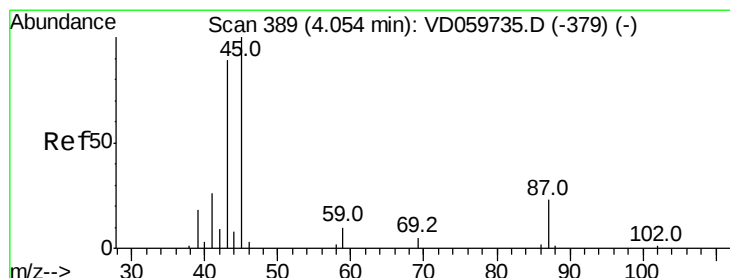
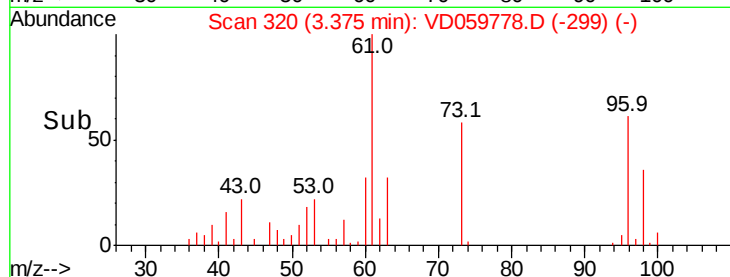
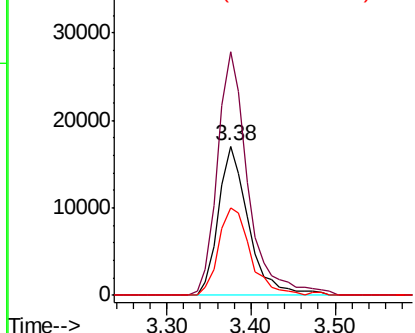
Ion	Ratio	Lower	Upper
96	100		
61	163.3	152.0	228.0
98	58.6	47.4	71.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 27.330 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Tgt Ion: 45 Resp: 140954

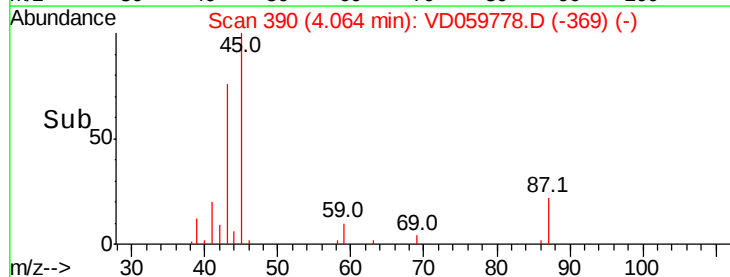
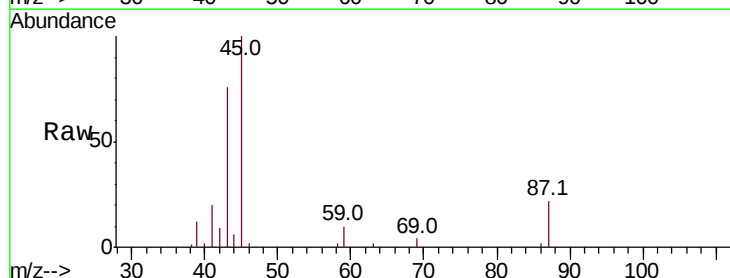
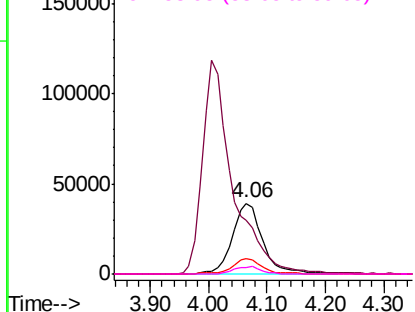
Ion	Ratio	Lower	Upper
45	100		
43	75.5	75.5	113.3
87	22.2	19.4	29.0
59	10.0	8.5	12.7

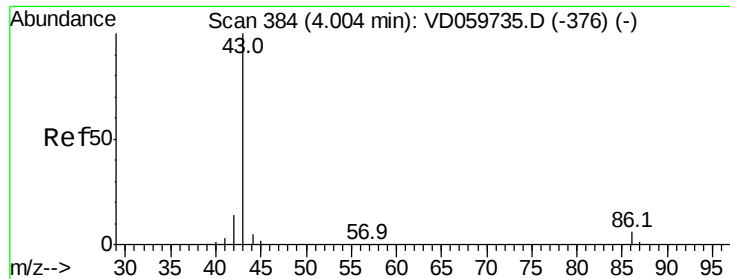
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 121.748 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

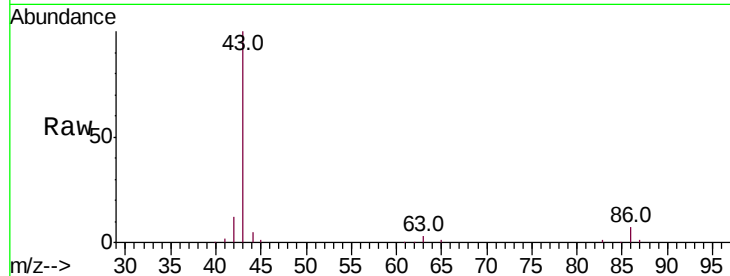
ClientSampled :

Tot Ion: 43 Resp: 424918

Ion Ratio Lower Upper

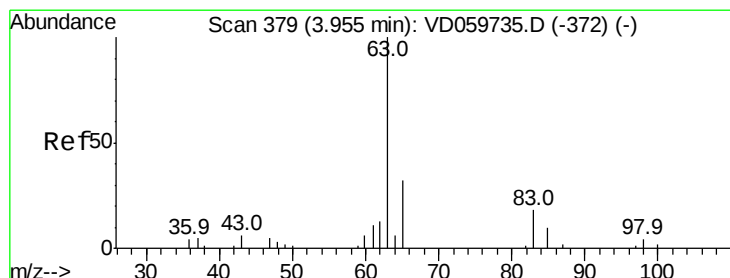
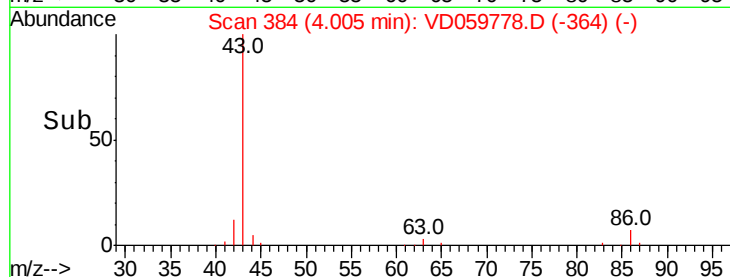
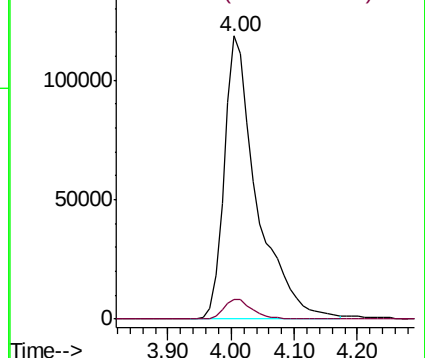
43 100

86 6.8 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.277 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

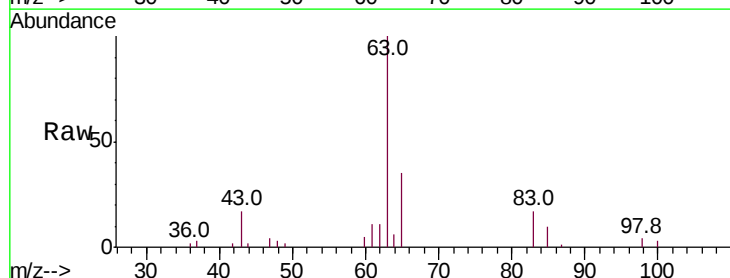
Tgt Ion: 63 Resp: 84856

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.5

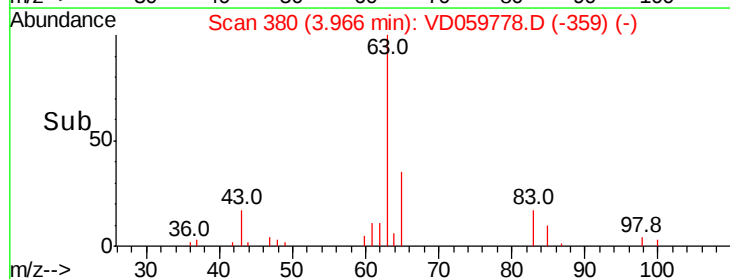
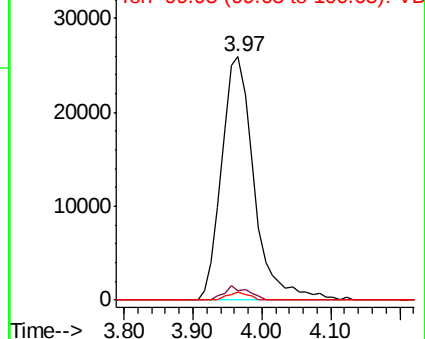
100 3.4 1.1 3.1#

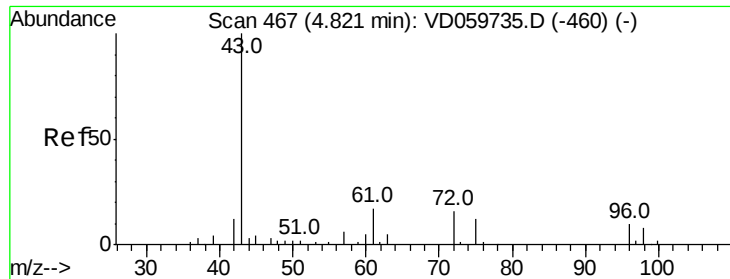


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.744 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

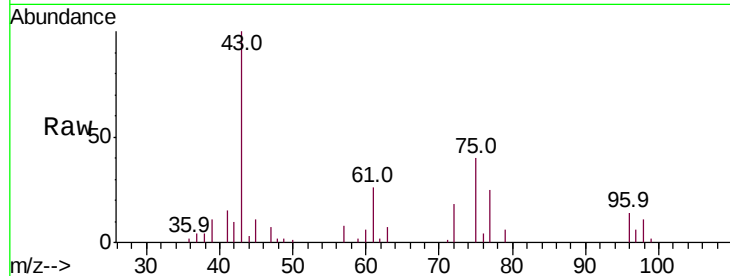
ClientSampled :

Tot Ion: 43 Resp: 64917

Ion Ratio Lower Upper

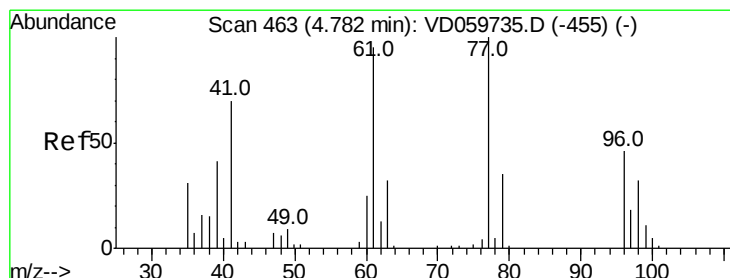
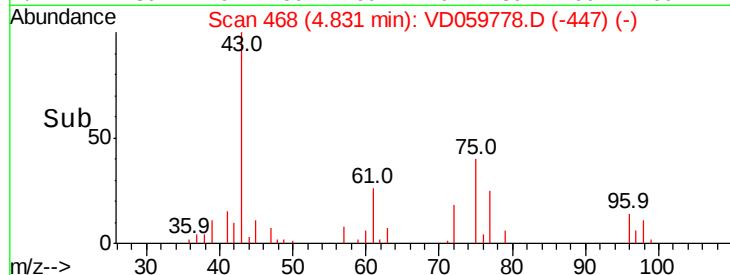
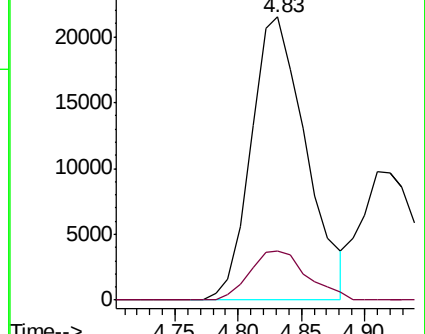
43 100

72 17.5 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.936 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059778.D

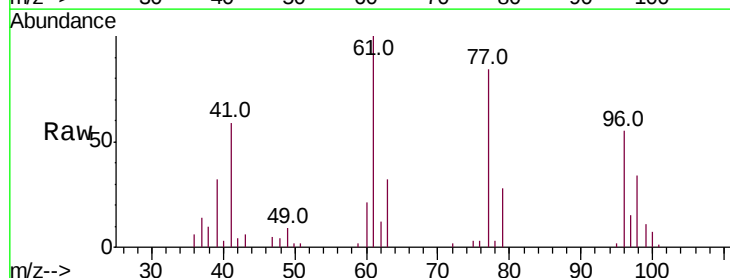
Acq: 14 Aug 2018 20:36

Tgt Ion: 77 Resp: 79870

Ion Ratio Lower Upper

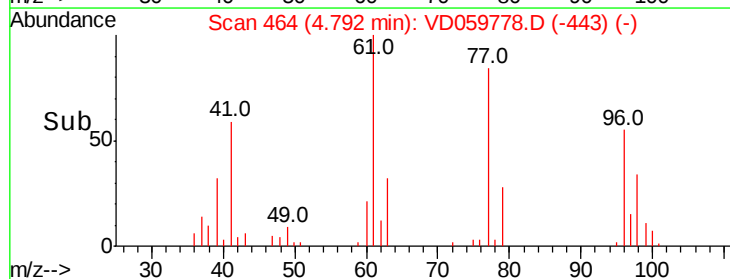
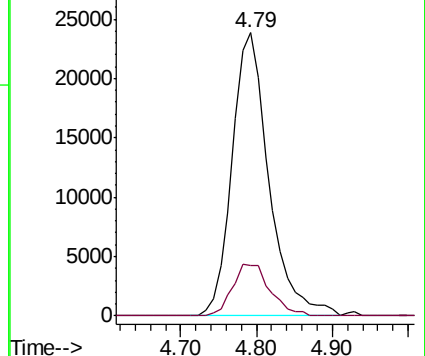
77 100

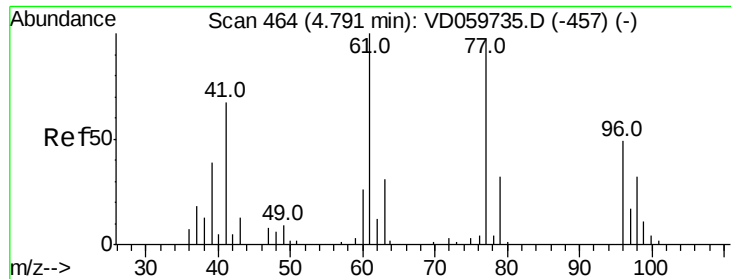
97 17.7 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



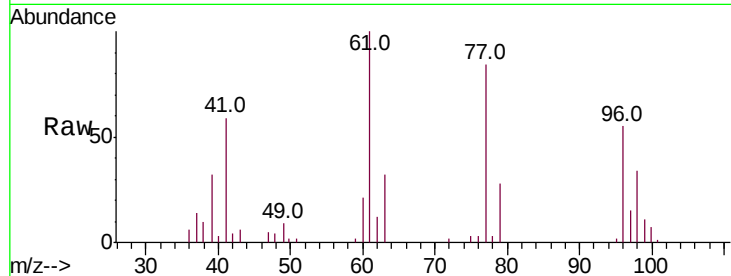


#27

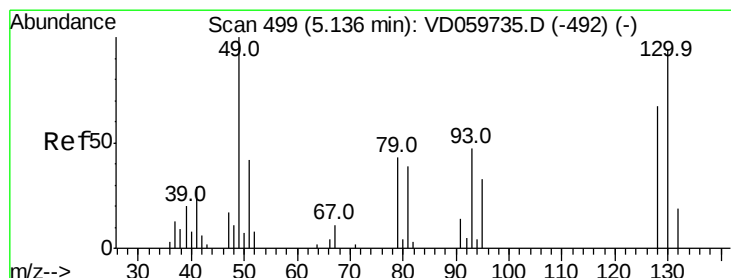
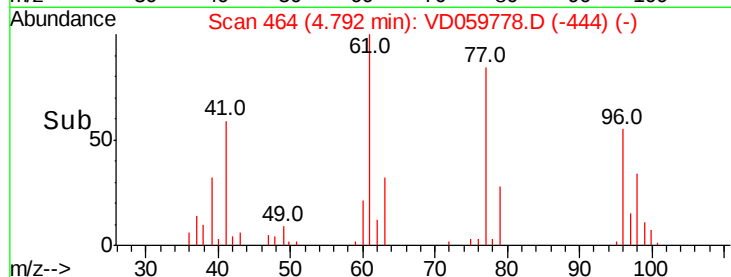
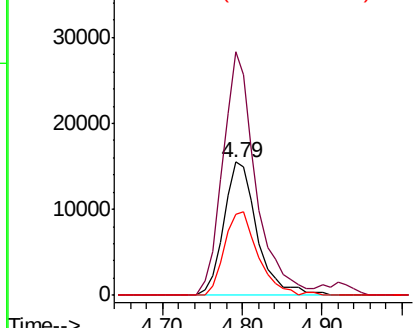
cis-1,2-Dichloroethene
Concen: 24.072 ug/l
RT: 4.79 min Scan# 464
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 45564
Ion Ratio Lower Upper
96 100
61 182.8 0.0 409.8
98 61.3 0.0 132.8



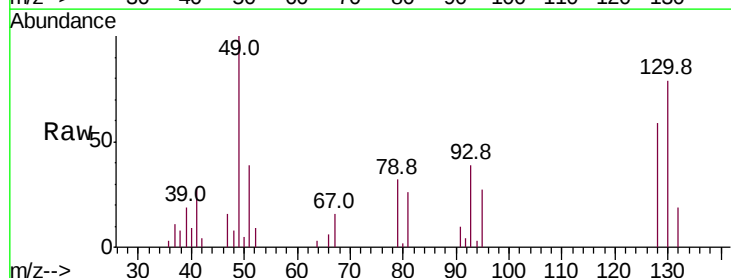
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



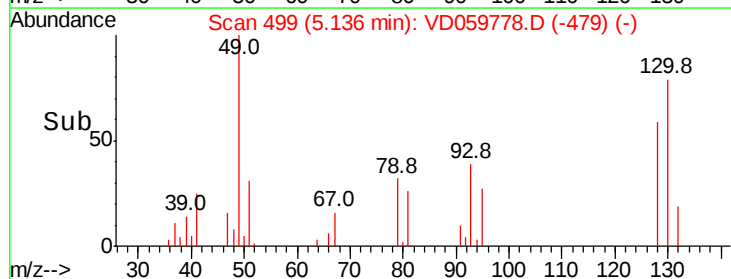
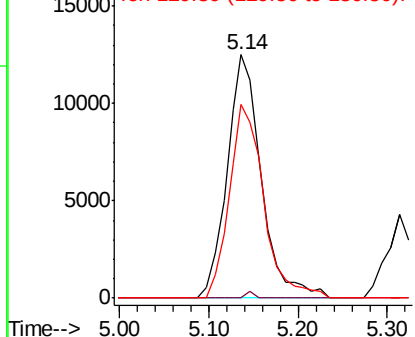
#28

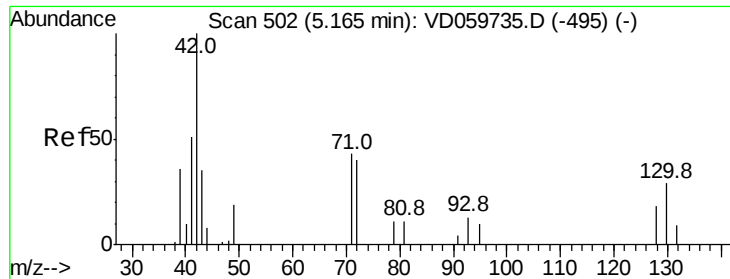
Bromochloromethane
Concen: 24.445 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 49 Resp: 33528
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 79.5 75.0 112.6



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: 136.334 ug/l

RT: 5.18 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

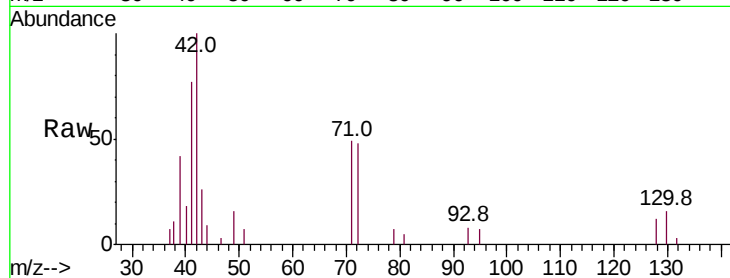
Tot Ion: 42 Resp: 30714

Ion Ratio Lower Upper

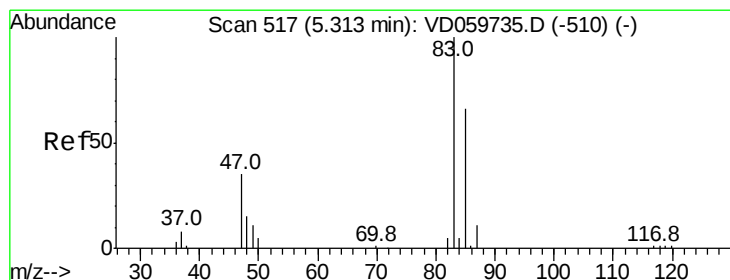
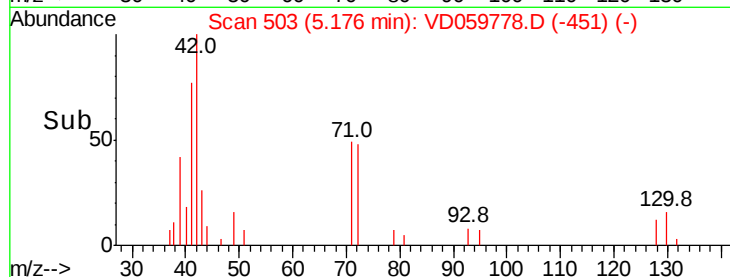
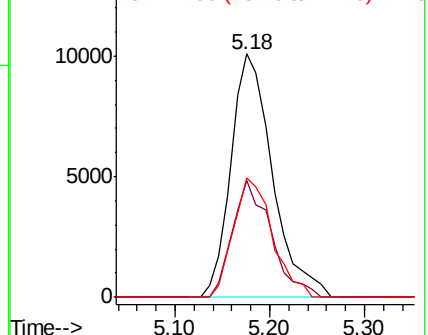
42 100

72 44.5 35.3 52.9

71 45.7 37.1 55.7



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



#30

Chloroform

Concen: 20.398 ug/l

RT: 5.31 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD059778.D

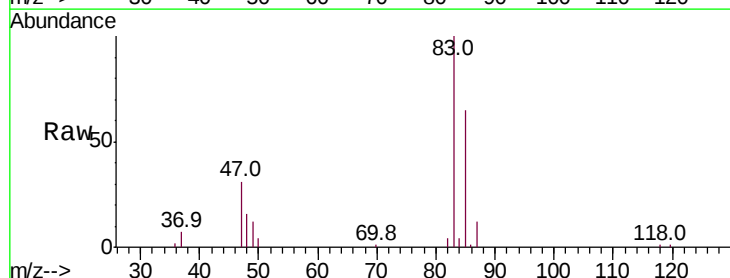
Acq: 14 Aug 2018 20:36

Tgt Ion: 83 Resp: 102634

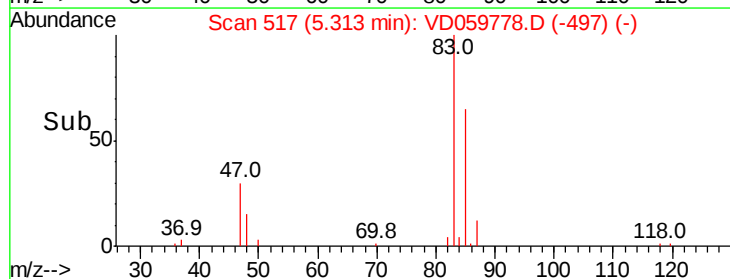
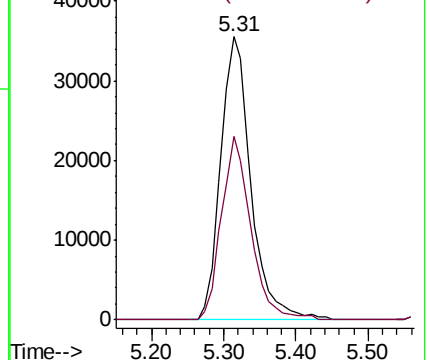
Ion Ratio Lower Upper

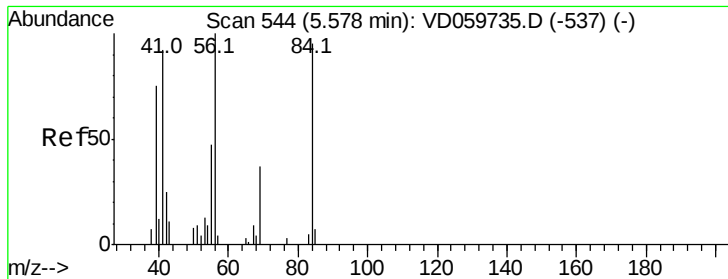
83 100

85 64.8 52.9 79.3



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

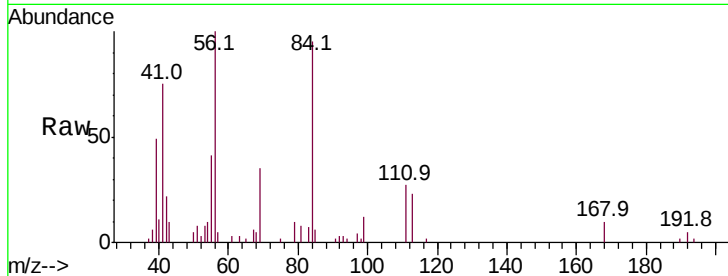




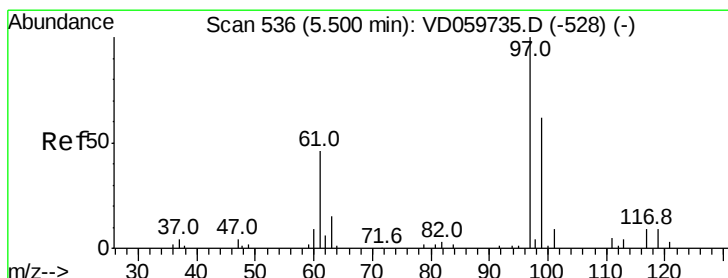
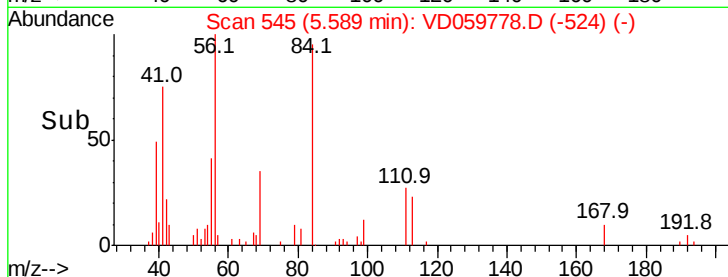
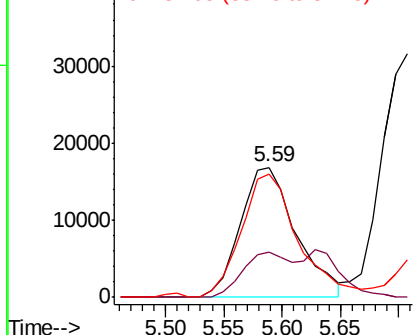
#31
Cyclohexane
Concen: 25.263 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 55861
Ion Ratio Lower Upper
56 100
69 34.9 29.3 43.9
84 94.9 76.2 114.2

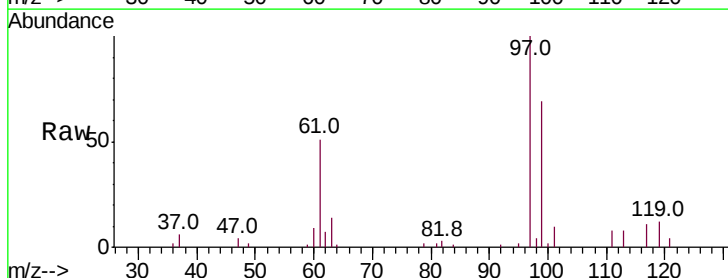


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

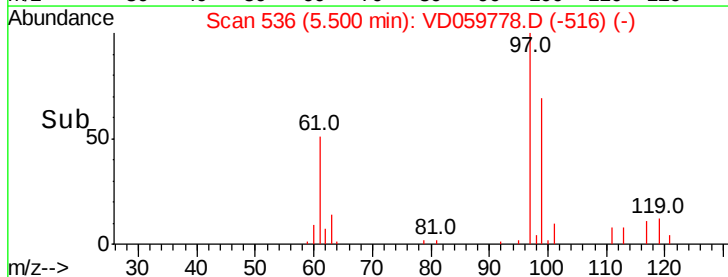
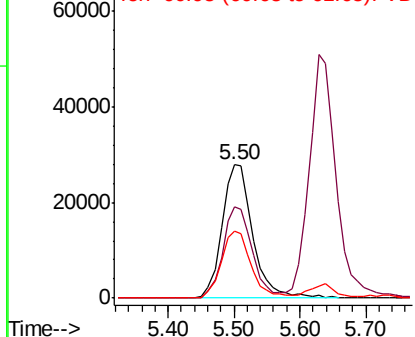


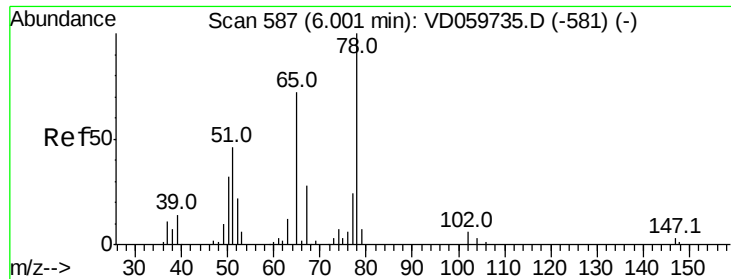
#32
1,1,1-Trichloroethane
Concen: 17.323 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 97 Resp: 90357
Ion Ratio Lower Upper
97 100
99 68.8 49.8 74.6
61 50.6 37.0 55.4



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





#33

1,2-Dichloroethane-d4

Concen: 17.323 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

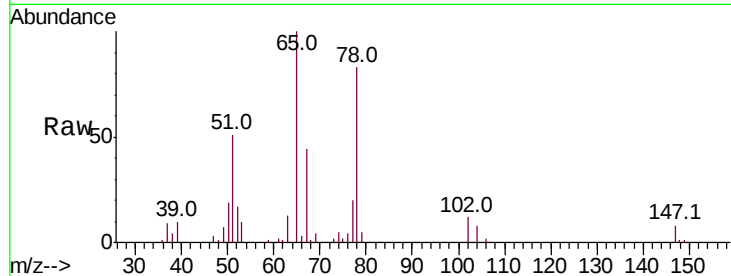
ClientSampleId :

Tot Ion: 65 Resp: 150027

Ion Ratio Lower Upper

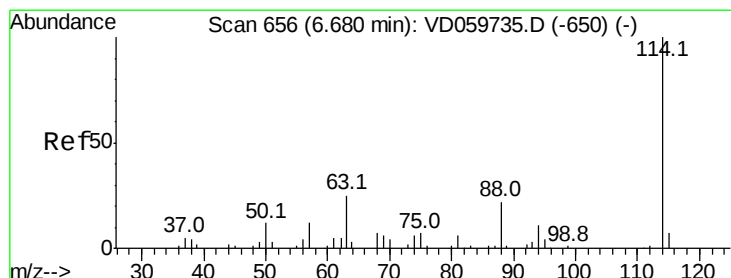
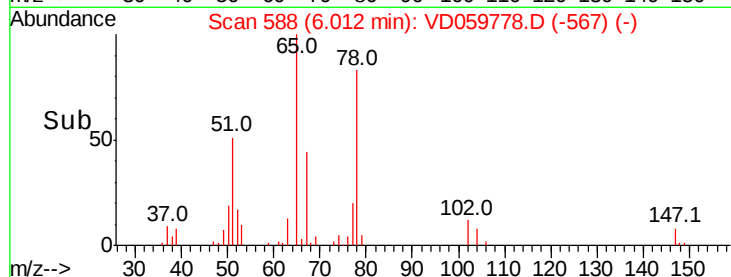
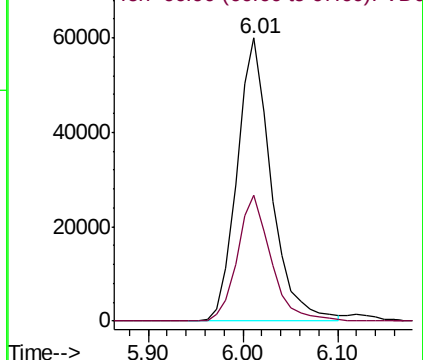
65 100

67 44.4 0.0 77.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

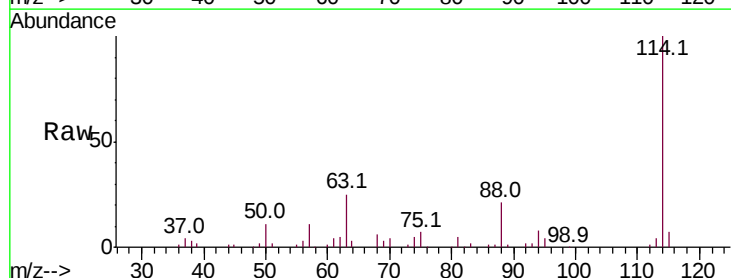
Tgt Ion: 114 Resp: 280542

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.6

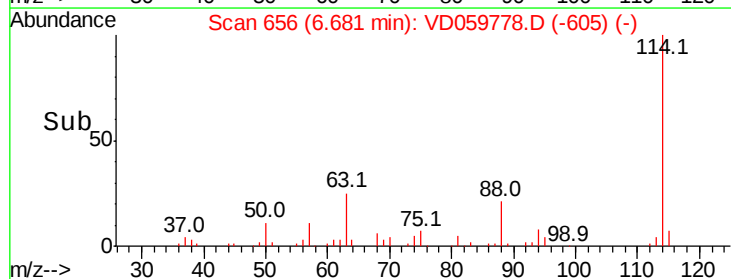
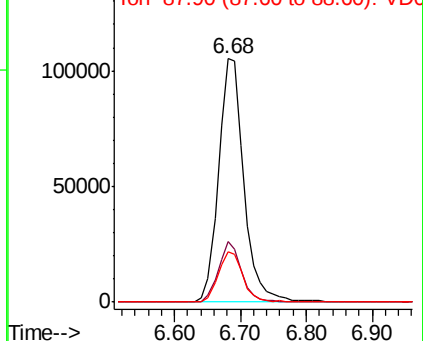
88 20.6 0.0 43.4

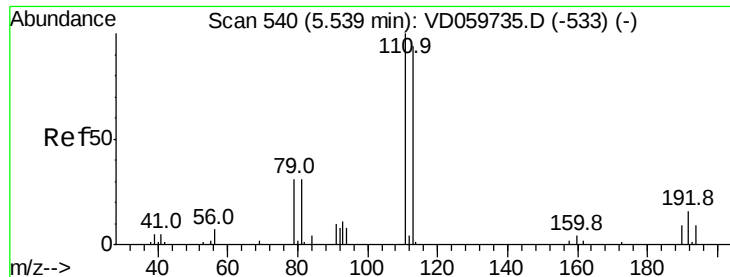


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

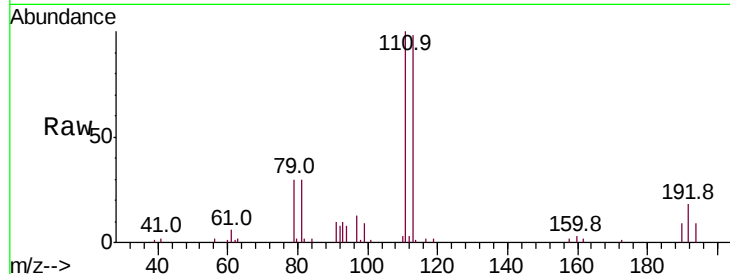




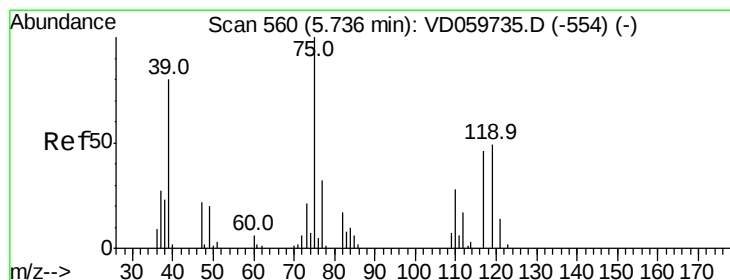
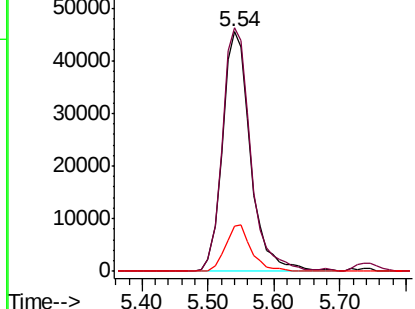
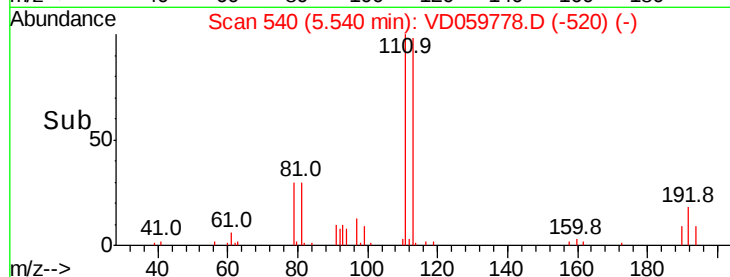
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 134982
 Ion Ratio Lower Upper
 113 100
 111 101.6 85.3 127.9
 192 18.6 13.9 20.9

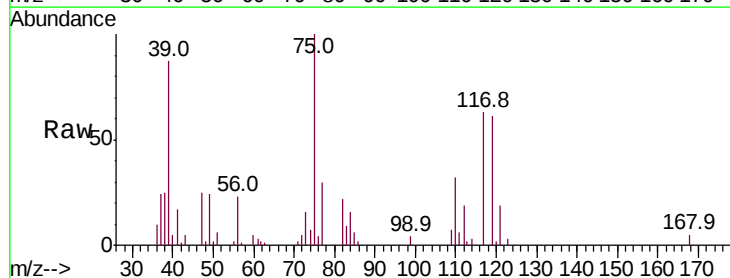


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

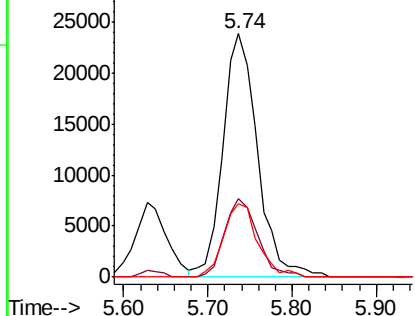
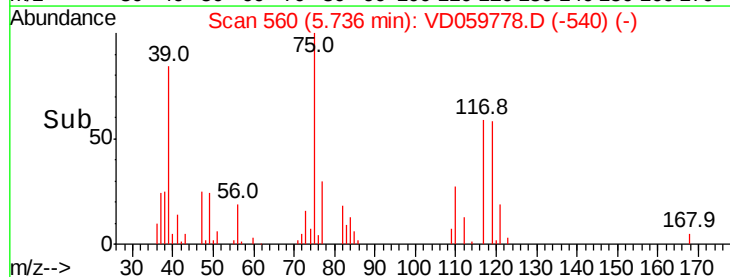


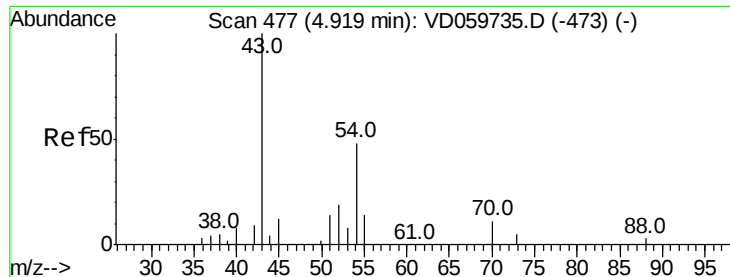
#36
 1,1-Dichloropropene
 Concen: 20.878 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion: 75 Resp: 67984
 Ion Ratio Lower Upper
 75 100
 110 32.4 13.7 41.0
 77 30.4 25.4 38.2



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

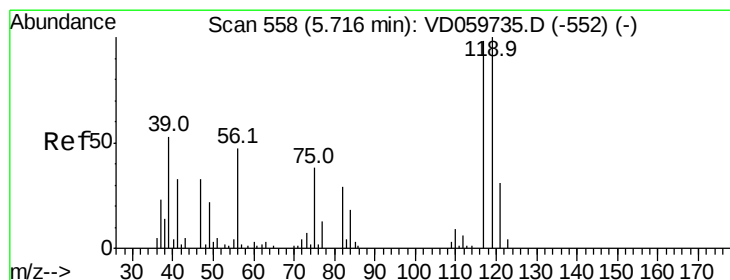
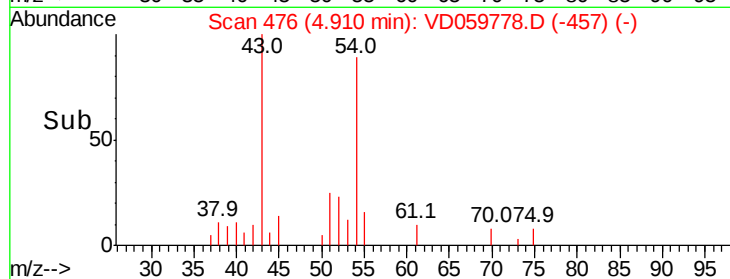
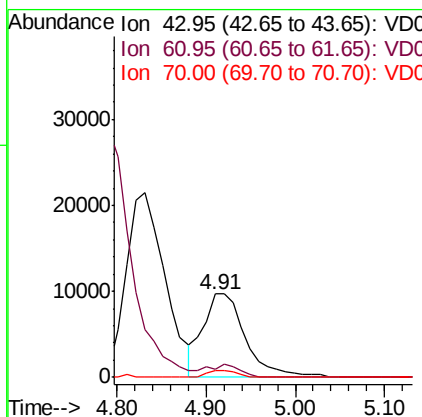
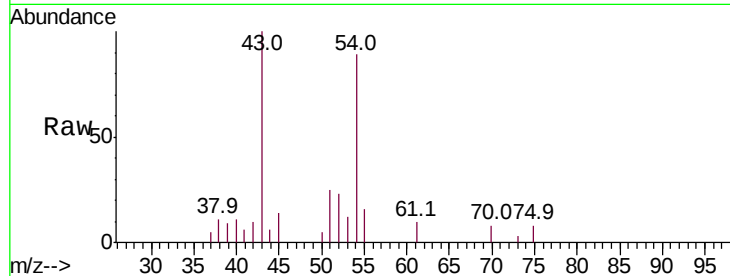




#37
Ethyl Acetate
Concen: 22.546 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

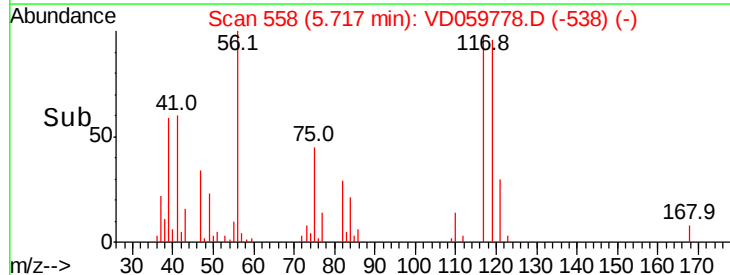
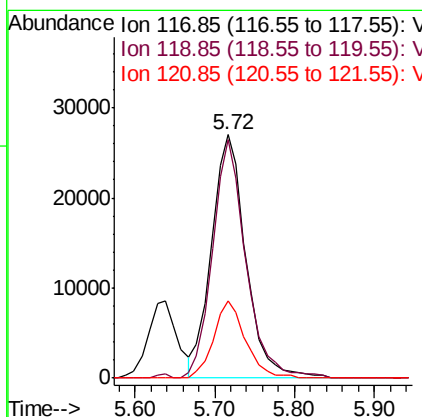
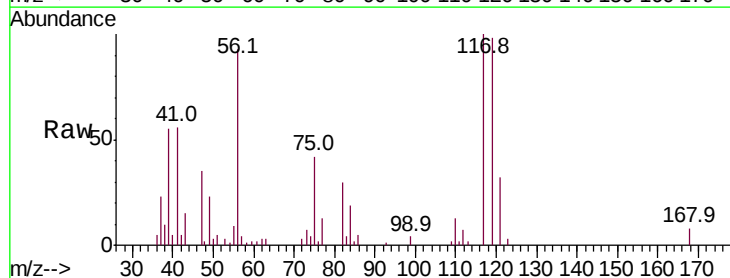
Instrument :
MSVOA_D
ClientSampled :

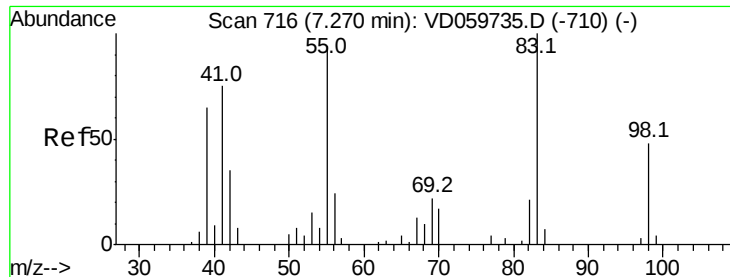
Tot Ion: 43 Resp: 32288
Ion Ratio Lower Upper
43 100
61 9.9 7.4 11.0
70 8.0 5.8 8.8



#38
Carbon Tetrachloride
Concen: 15.943 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 117 Resp: 81681
Ion Ratio Lower Upper
117 100
119 97.8 78.2 117.2
121 31.7 23.9 35.9

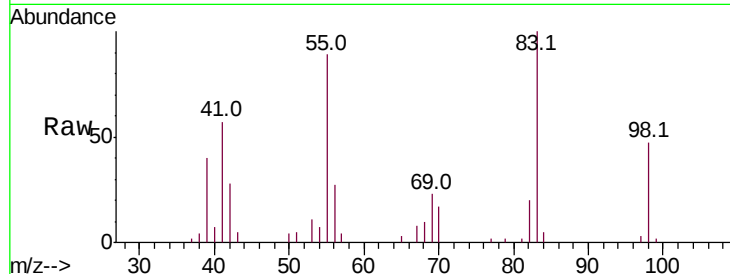




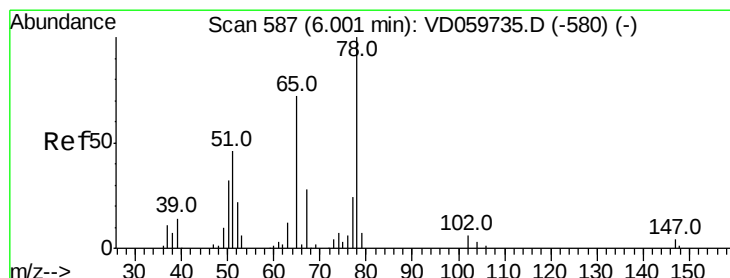
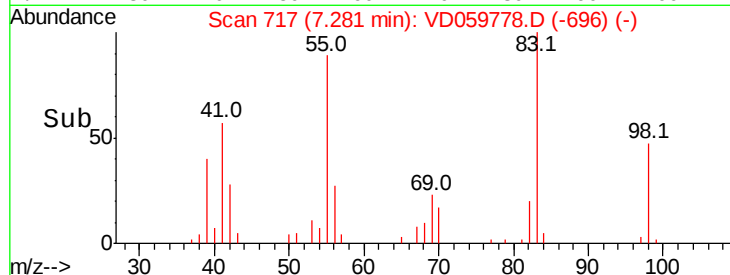
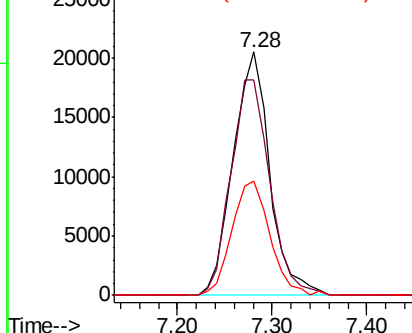
#39
Methvlcvclohexane
Concen: 22.772 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 54939
Ion Ratio Lower Upper
83 100
55 88.7 75.1 112.7
98 46.9 38.7 58.1

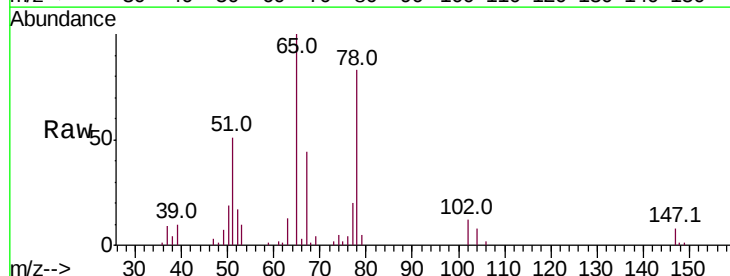


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

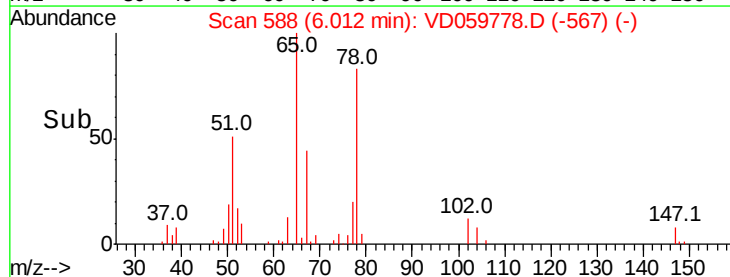
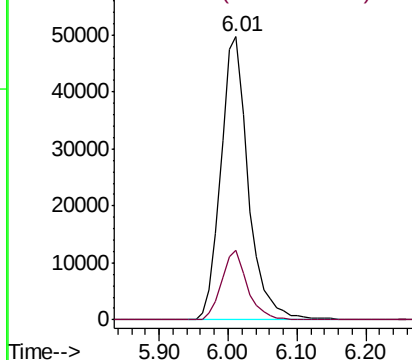


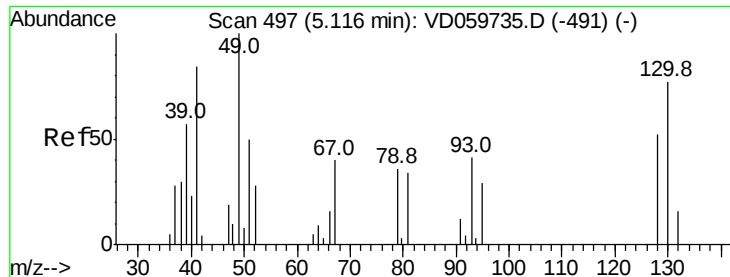
#40
Benzene
Concen: 24.183 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 78 Resp: 137209
Ion Ratio Lower Upper
78 100
77 24.6 19.4 29.0



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





#41

Methacrylonitrile

Concen: 23.902 ug/l

RT: 5.12 min Scan# 497

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 16091

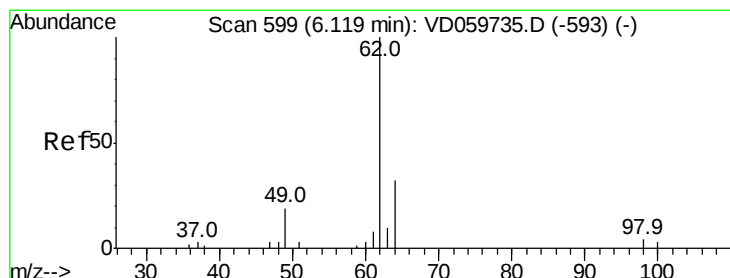
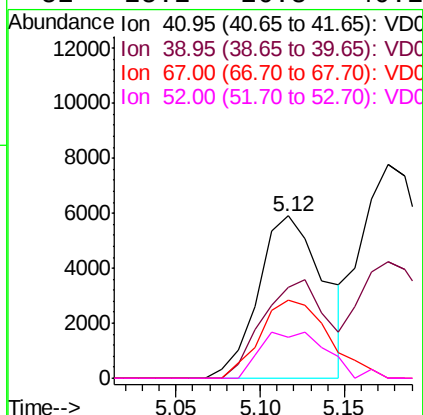
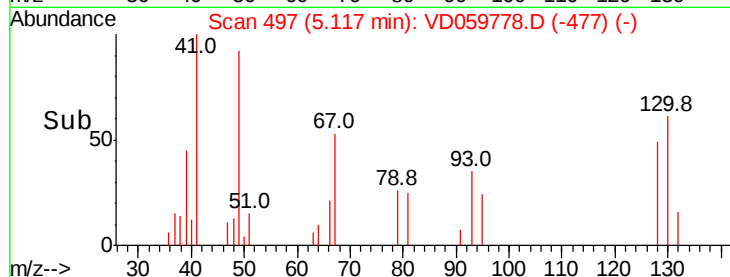
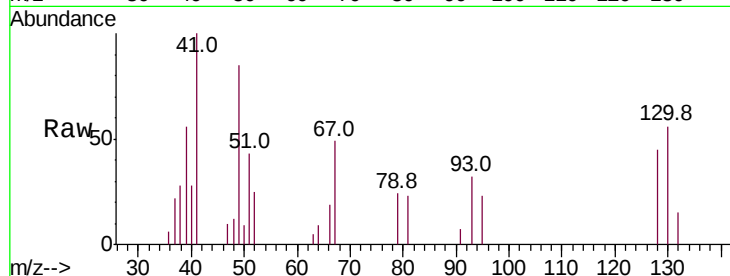
Ion Ratio Lower Upper

41 100

39 55.7 54.3 81.5

67 48.5 38.2 57.2

52 25.2 26.8 40.2#



#42

1,2-Dichloroethane

Concen: 16.835 ug/l

RT: 6.12 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD059778.D

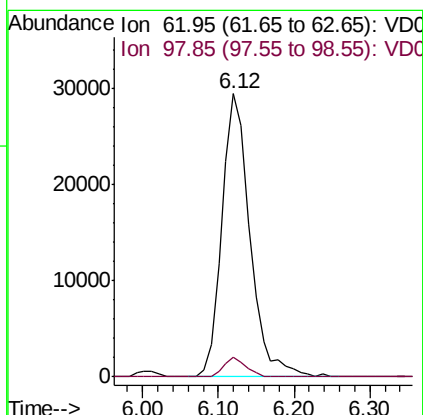
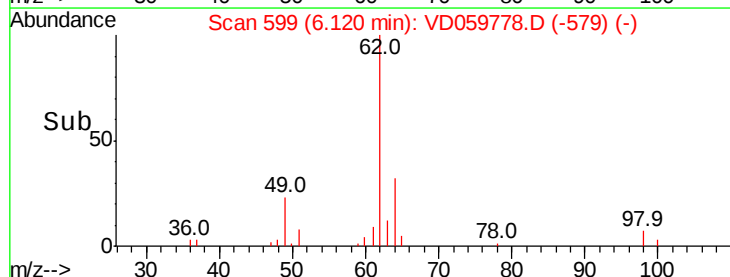
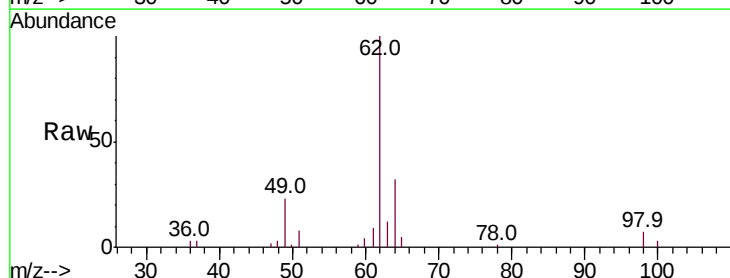
Acq: 14 Aug 2018 20:36

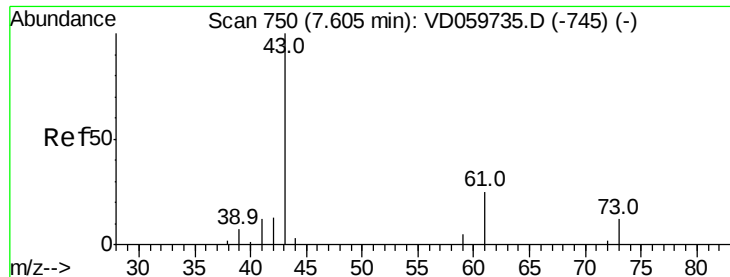
Tgt Ion: 62 Resp: 75754

Ion Ratio Lower Upper

62 100

98 6.8 0.0 8.2



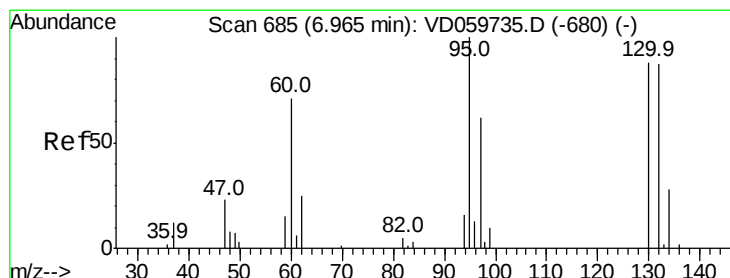
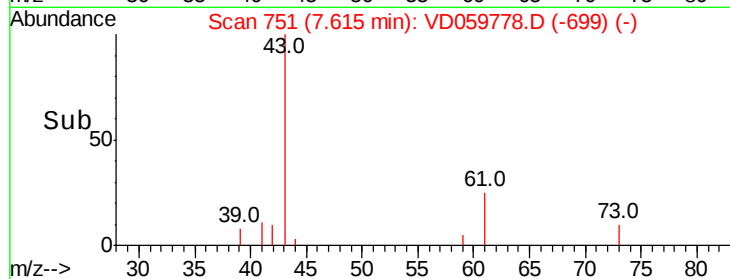
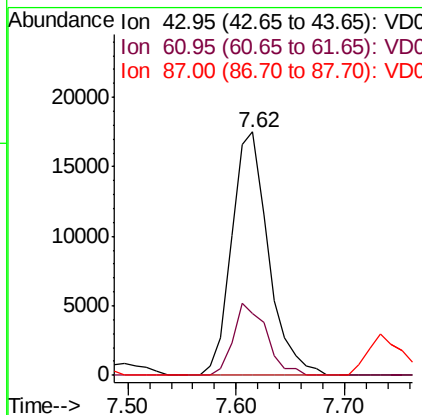
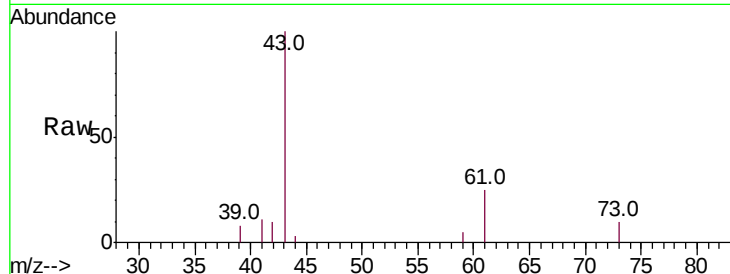


#43

Isopropyl Acetate
 Concen: 22.825 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampled :

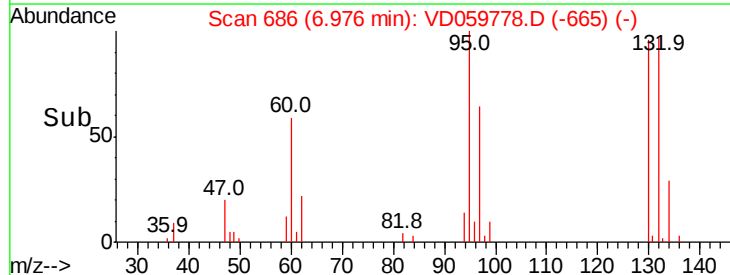
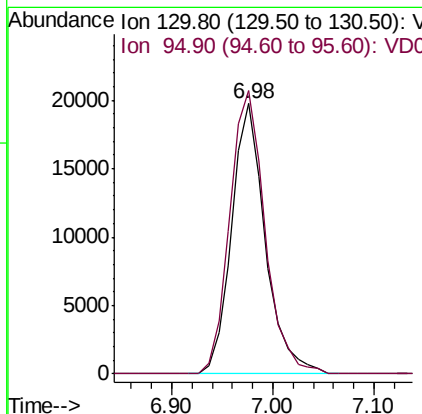
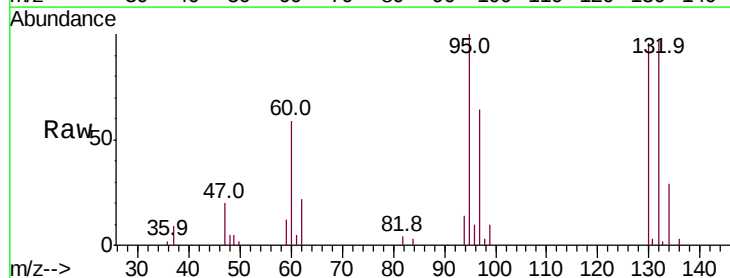
Tot Ion: 43 Resp: 41182
 Ion Ratio Lower Upper
 43 100
 61 25.4 19.8 29.8
 87 0.0 0.0 0.0

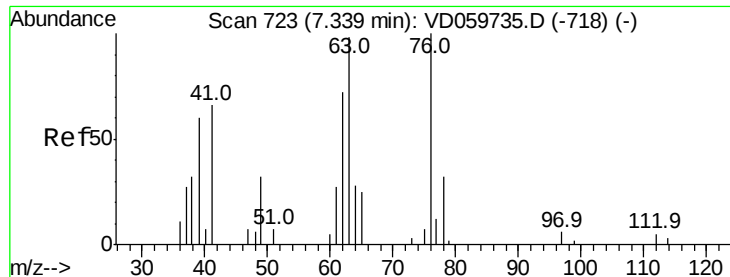


#44

Trichloroethene
 Concen: 20.003 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion: 130 Resp: 45774
 Ion Ratio Lower Upper
 130 100
 95 104.7 0.0 226.4





#45

1,2-Dichloropropane

Concen: 24.426 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

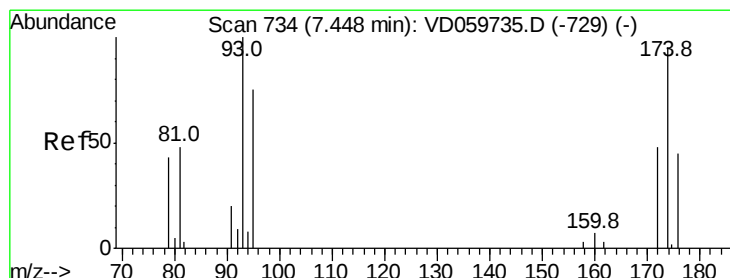
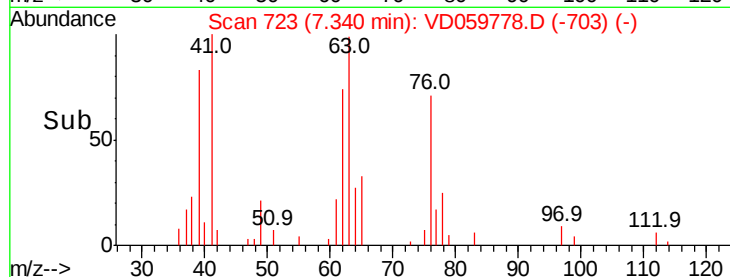
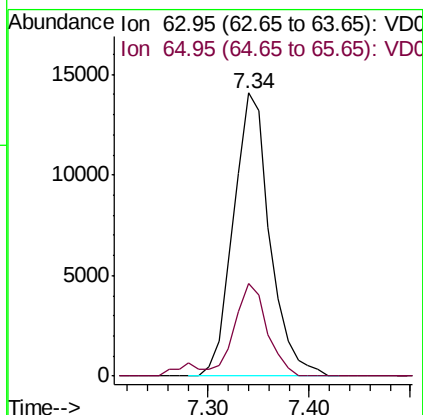
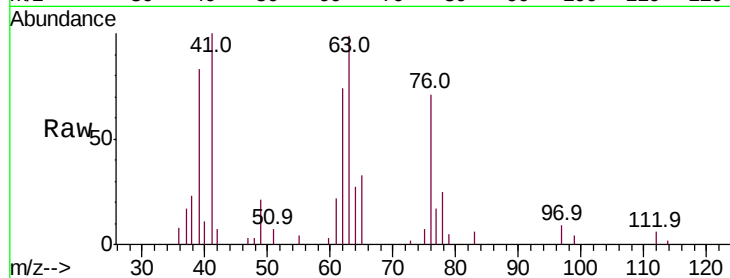
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 63 Resp: 35301

Ion Ratio Lower Upper

63 100

65 32.9 23.0 34.4



#46

Dibromomethane

Concen: 19.369 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

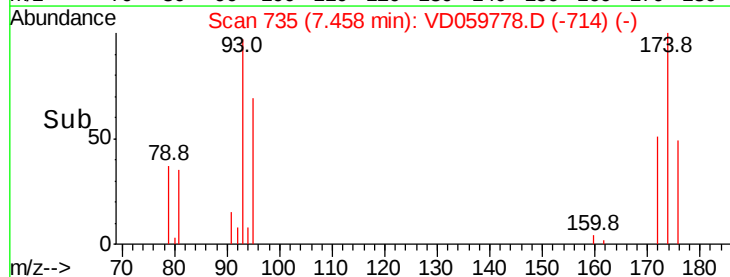
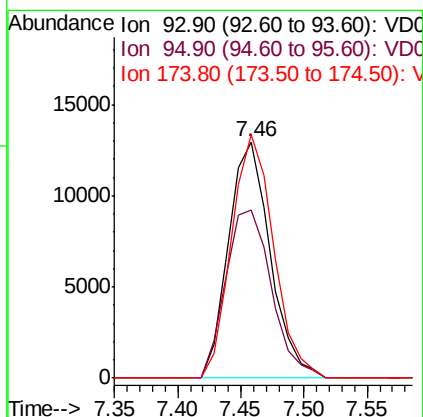
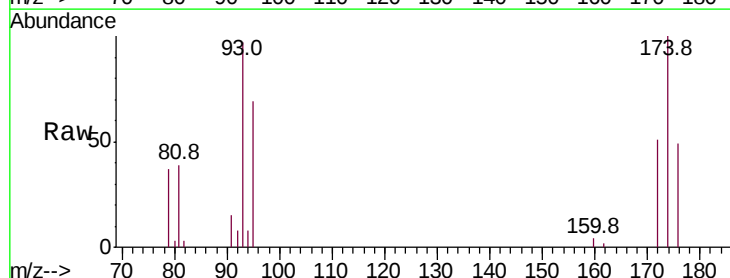
Tgt Ion: 93 Resp: 29731

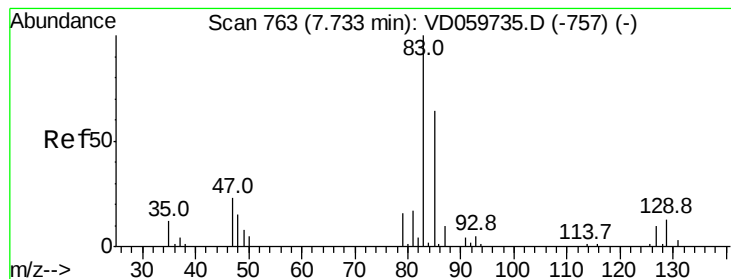
Ion Ratio Lower Upper

93 100

95 71.0 60.2 90.2

174 103.1 75.6 113.4





#47

Bromodichloromethane

Concen: 17.204 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

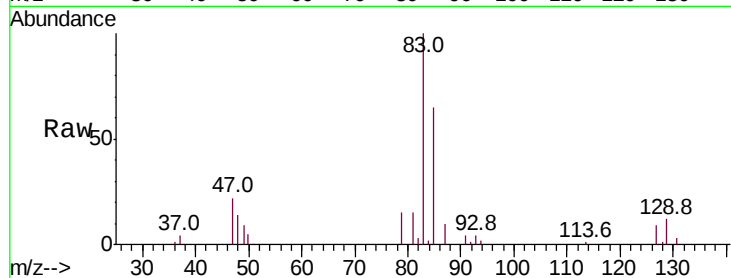
Tot Ion: 83 Resp: 69768

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

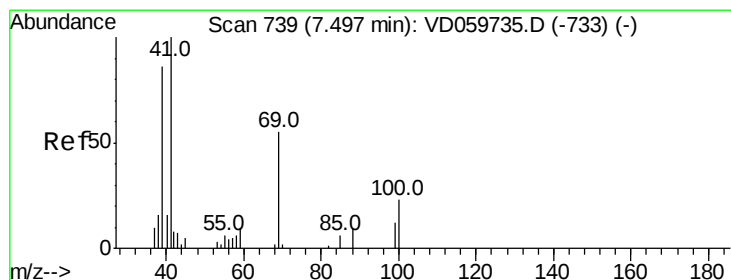
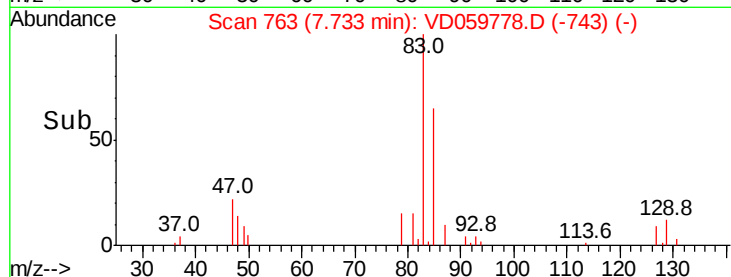
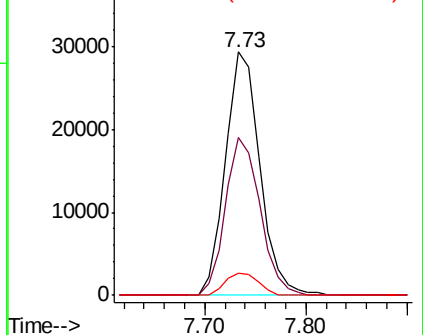
127 9.3 7.7 11.5



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: 20.900 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

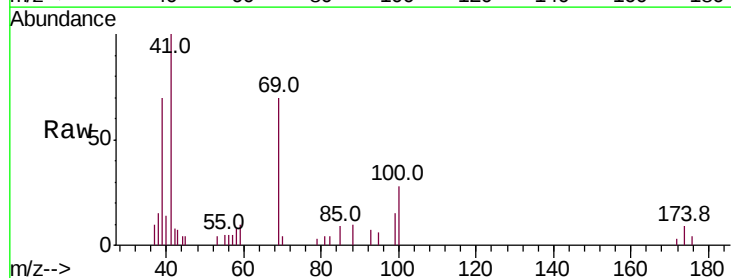
Tgt Ion: 41 Resp: 27524

Ion Ratio Lower Upper

41 100

69 70.2 43.8 65.6#

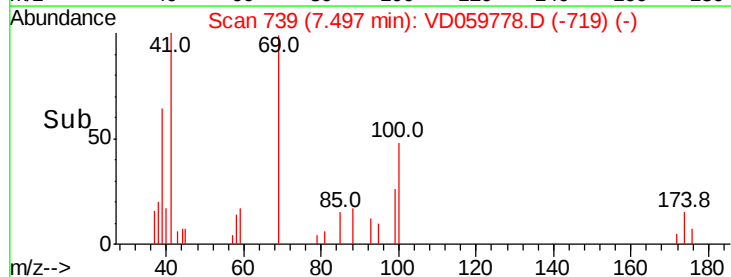
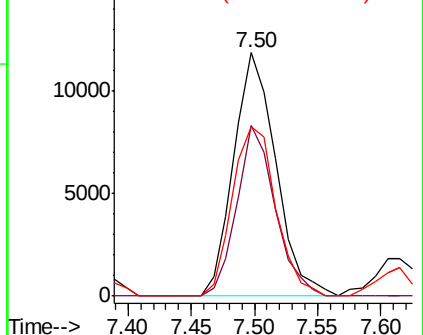
39 69.8 69.1 103.7

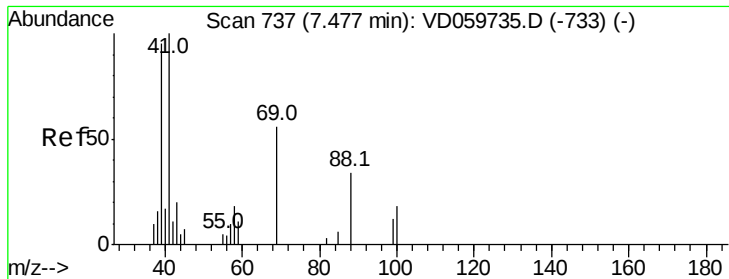


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 504.202 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

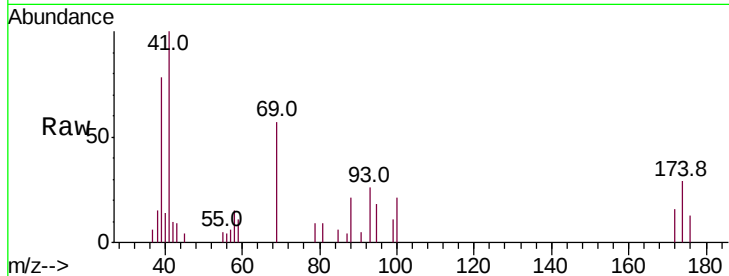
Tot Ion: 88 Resp: 4694

Ion Ratio Lower Upper

88 100

43 41.0 46.7 70.1#

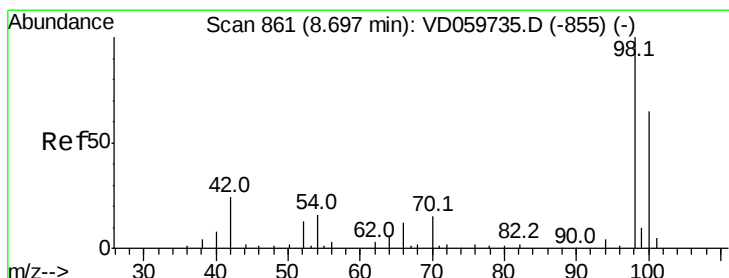
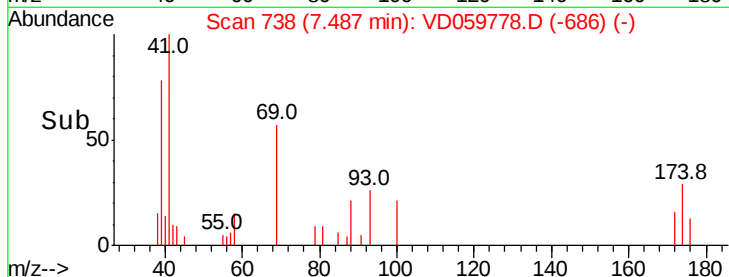
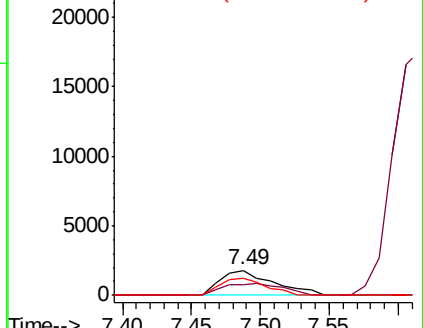
58 71.5 42.1 63.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 504.202 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.00 min

Lab File: VD059778.D

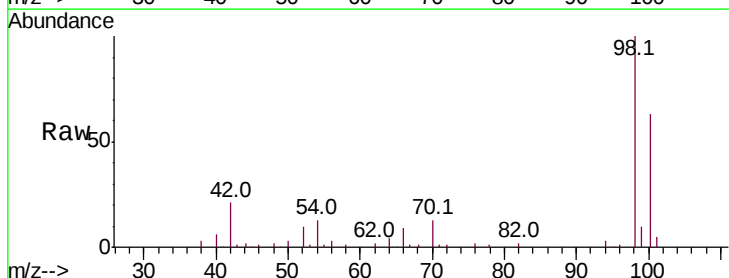
Acq: 14 Aug 2018 20:36

Tgt Ion: 98 Resp: 318171

Ion Ratio Lower Upper

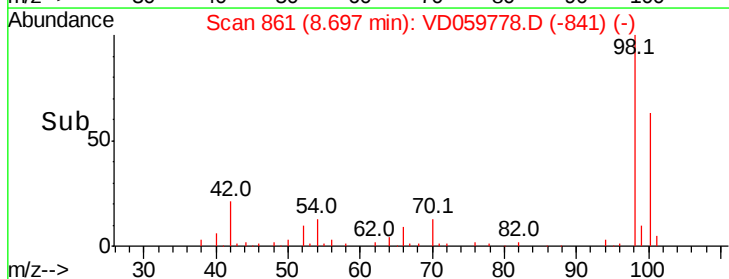
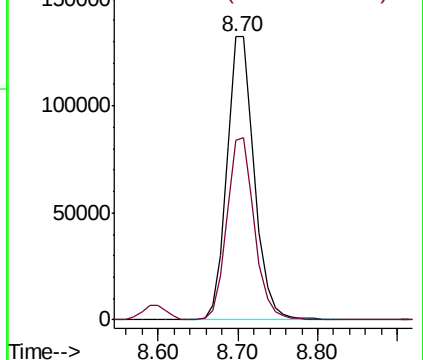
98 100

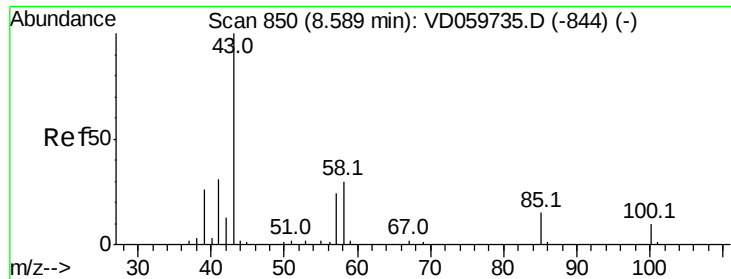
100 63.4 52.2 78.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 97.723 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

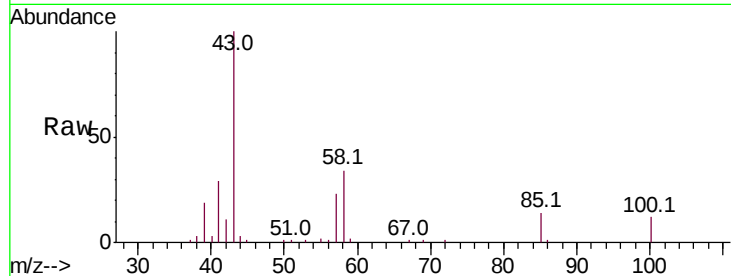
ClientSampleId :

Tot Ion: 43 Resp: 135911

Ion Ratio Lower Upper

43 100

58 33.7 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

60000

50000

40000

30000

20000

10000

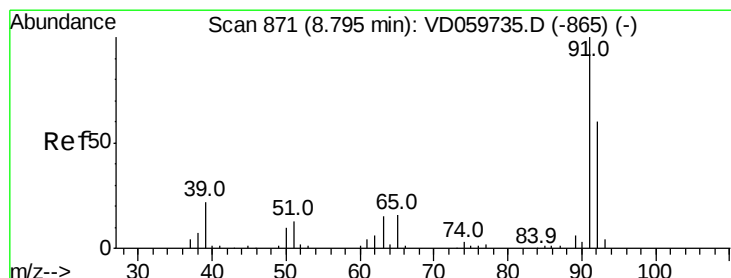
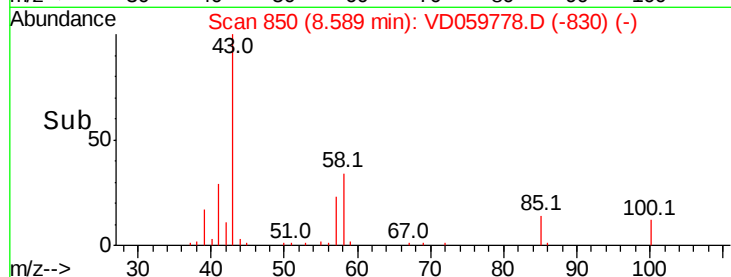
0

8.50

8.60

8.70

Time-->



#52

Toluene

Concen: 25.127 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059778.D

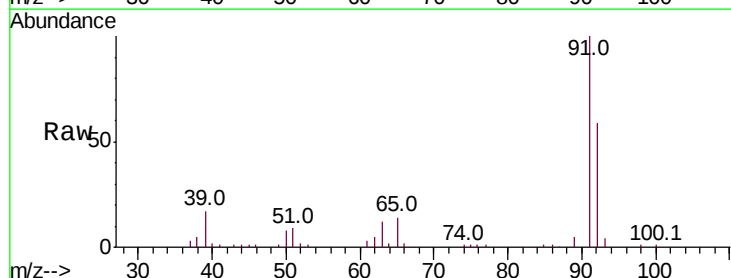
Acq: 14 Aug 2018 20:36

Tgt Ion: 92 Resp: 91683

Ion Ratio Lower Upper

92 100

91 170.1 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

80000

60000

40000

20000

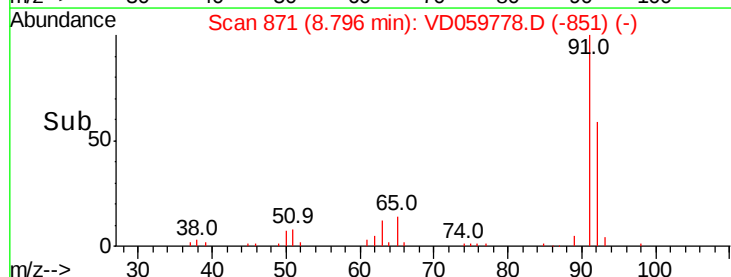
0

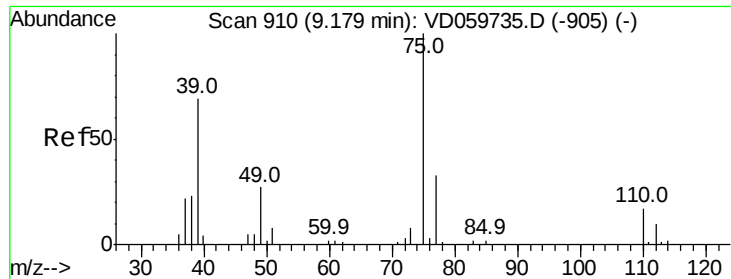
8.70

8.80

8.90

Time-->

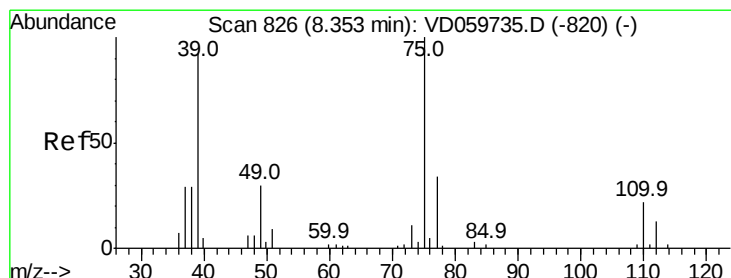
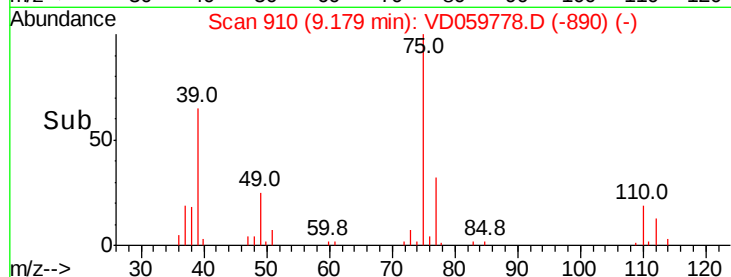
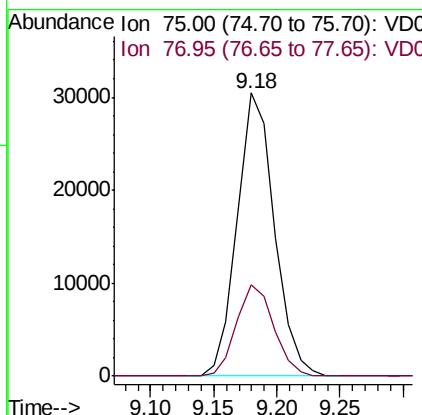
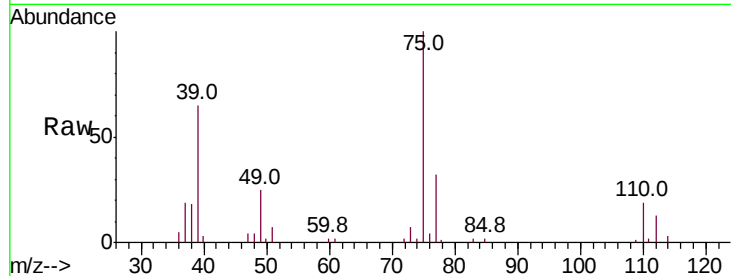




#53
 t-1,3-Dichloropropene
 Concen: 19.110 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

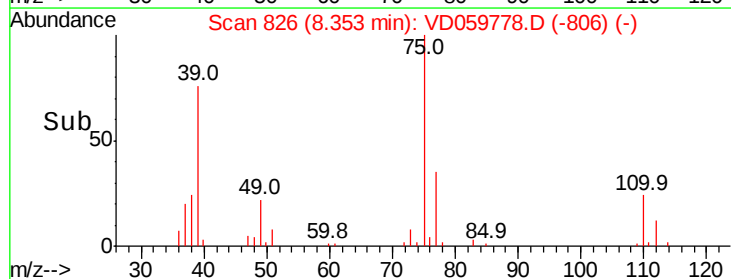
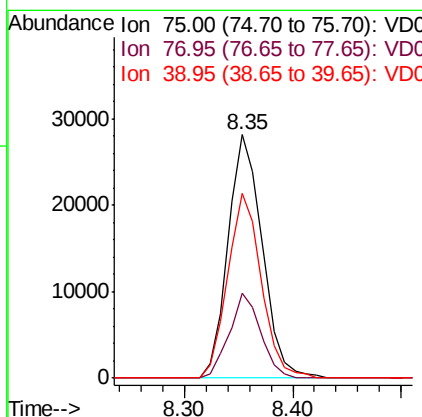
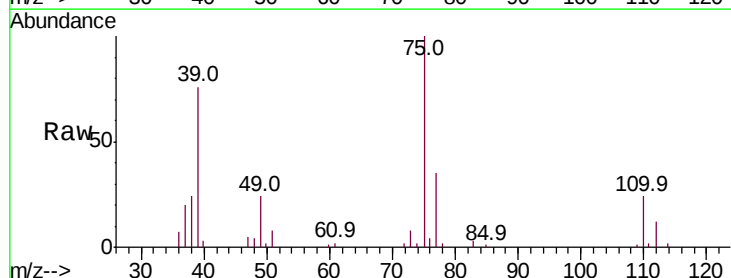
Instrument :
 MSVOA_D
 ClientSampleId :

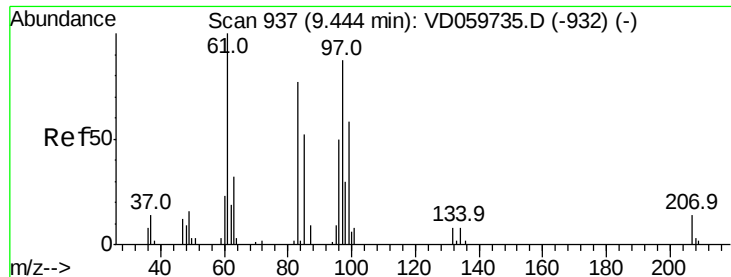
Tot Ion: 75 Resp: 62275
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.732 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion: 75 Resp: 61720
 Ion Ratio Lower Upper
 75 100
 77 34.9 27.2 40.8
 39 75.9 73.8 110.8





#55

1,1,2-Trichloroethane

Concen: 22.794 ug/l

RT: 9.45 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 32797

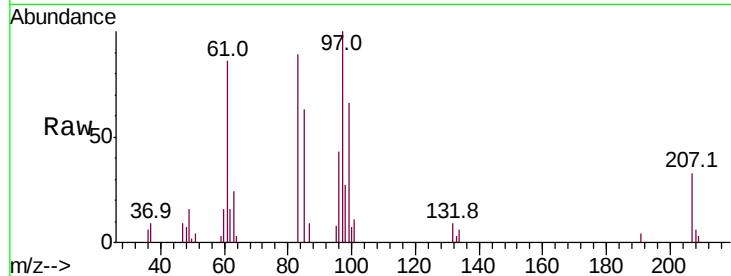
Ion Ratio Lower Upper

97 100

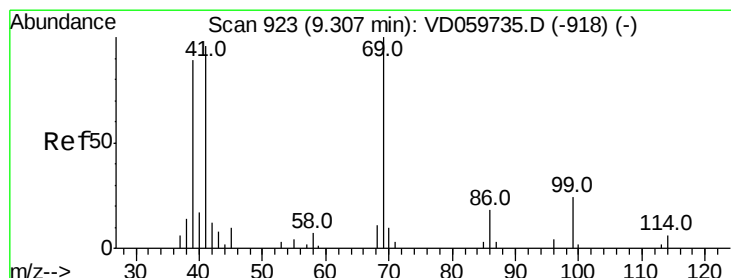
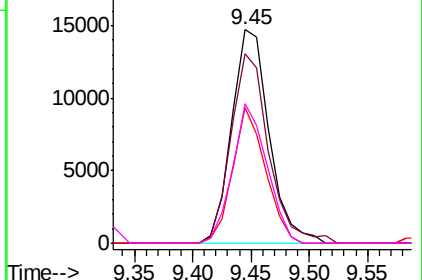
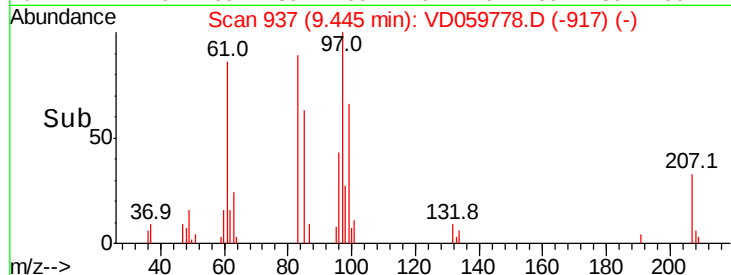
83 88.6 70.4 105.6

85 63.4 47.6 71.4

99 65.5 53.1 79.7



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: 20.831 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

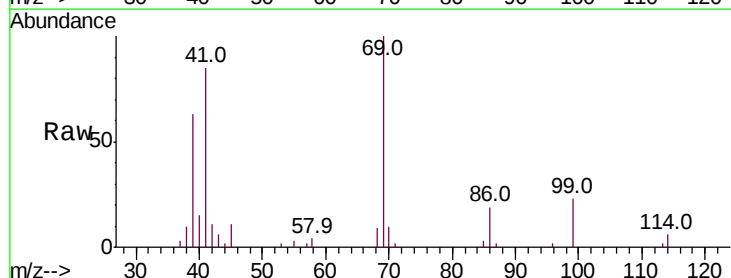
Tgt Ion: 69 Resp: 34155

Ion Ratio Lower Upper

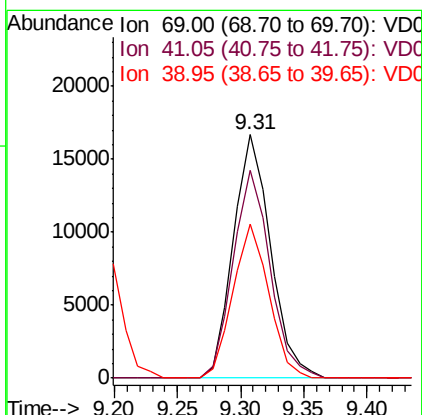
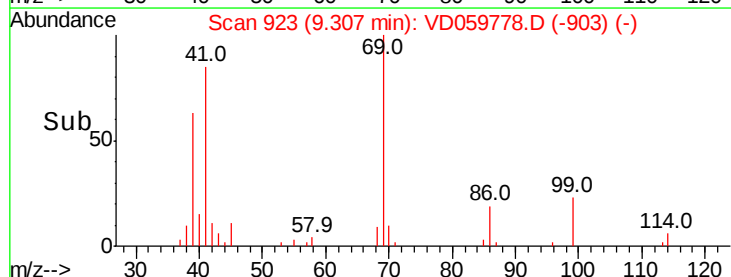
69 100

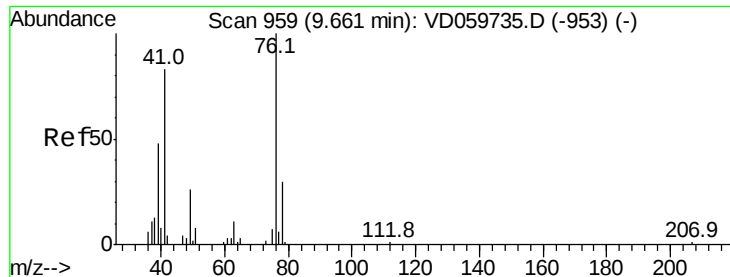
41 85.1 76.7 115.1

39 63.5 71.0 106.4#



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: 22.054 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

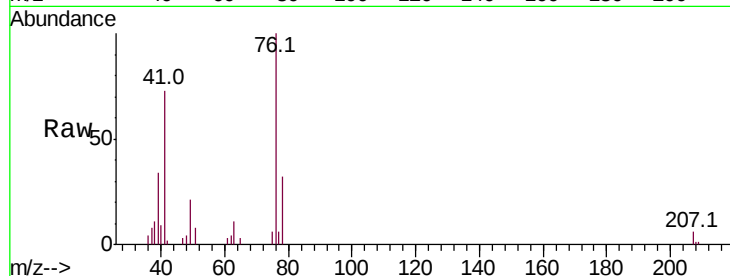
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 52825

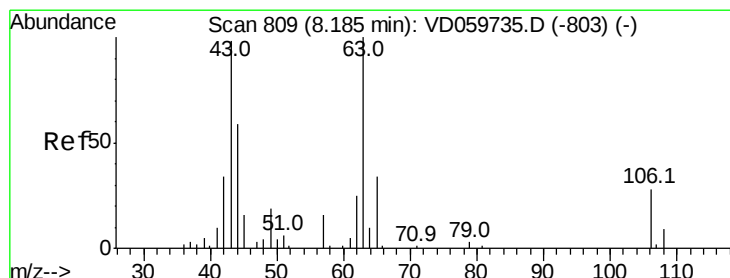
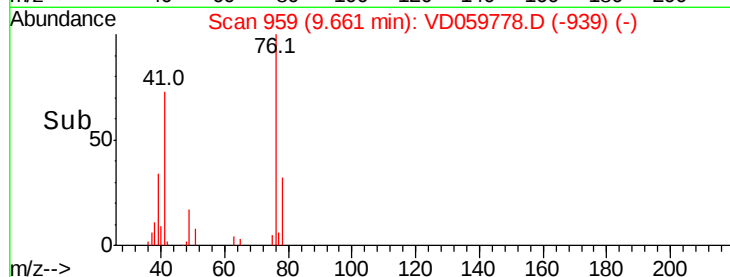
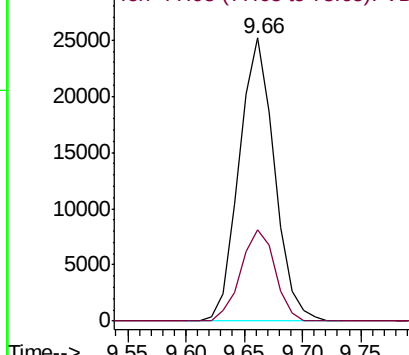
Ion Ratio Lower Upper

76 100

78 32.1 23.8 35.8



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: 121.536 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD059778.D

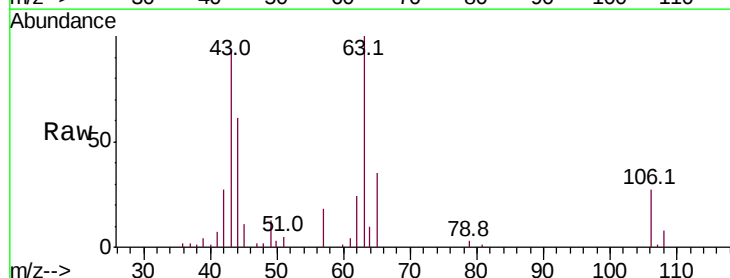
Acq: 14 Aug 2018 20:36

Tgt Ion: 63 Resp: 92289

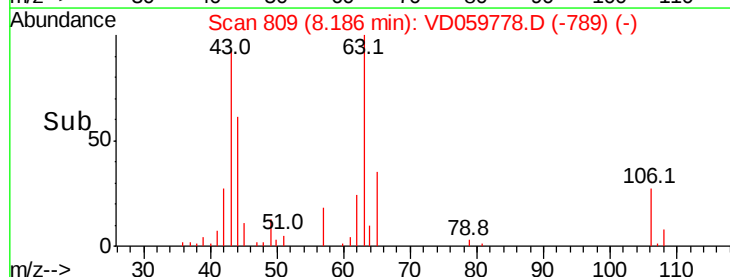
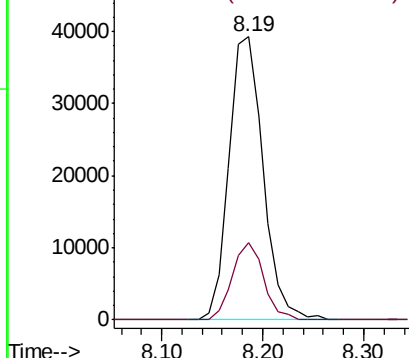
Ion Ratio Lower Upper

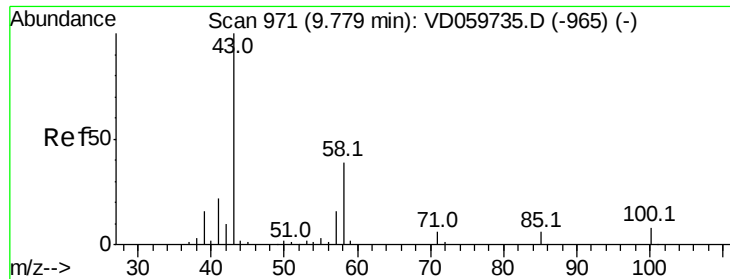
63 100

106 27.4 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

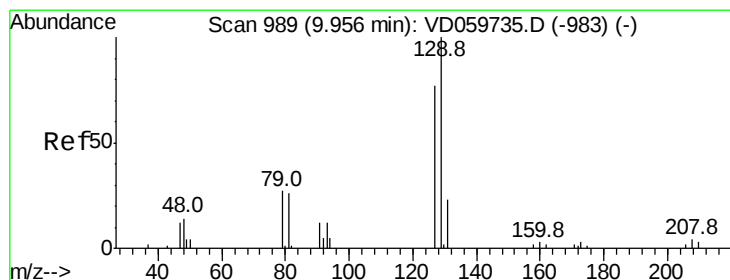
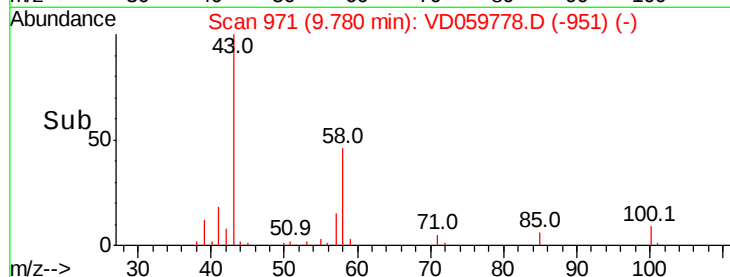
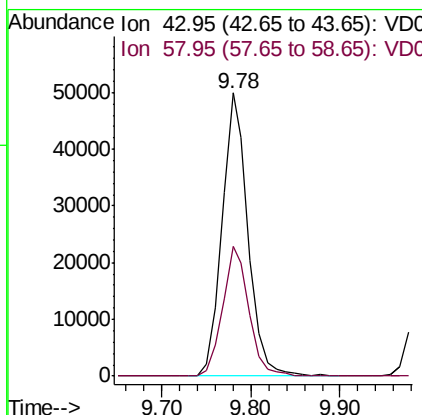
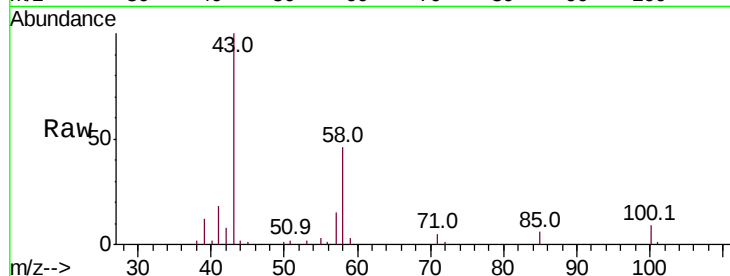




#59
2-Hexanone
Concen: 97.613 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

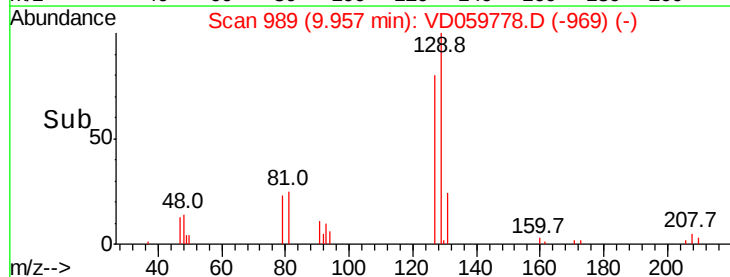
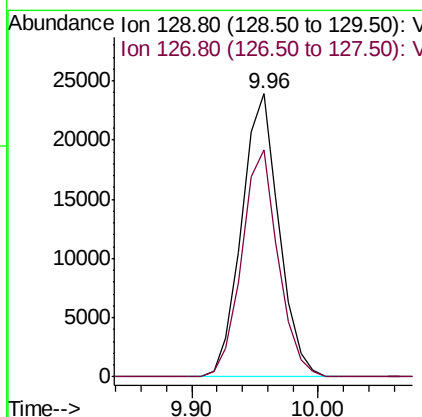
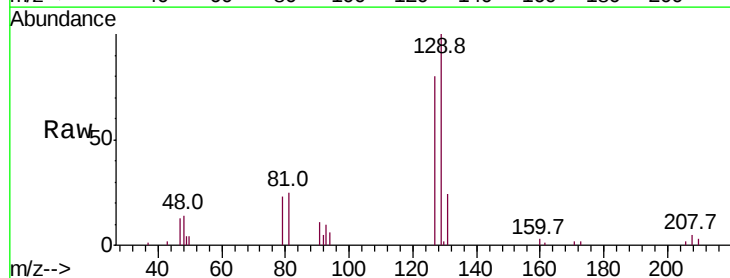
Instrument :
MSVOA_D
ClientSampleId :

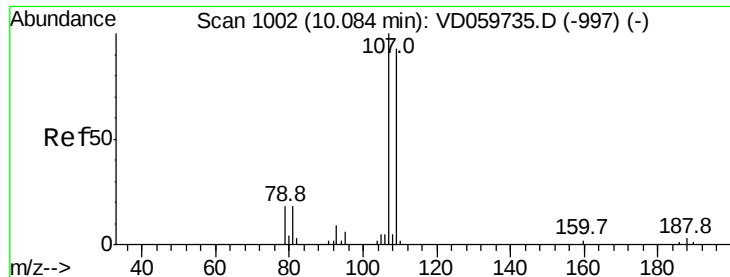
Tot Ion: 43 Resp: 101590
Ion Ratio Lower Upper
43 100
58 45.7 19.8 59.3



#60
Dibromochloromethane
Concen: 17.640 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 129 Resp: 48965
Ion Ratio Lower Upper
129 100
127 80.2 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.320 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

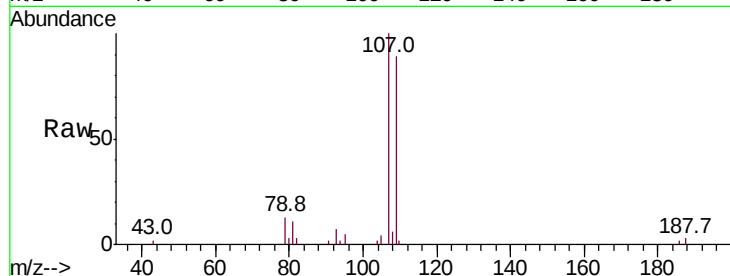
ClientSampleId :

Tot Ion:107 Resp: 36562

Ion Ratio Lower Upper

107 100

109 89.1 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

20000

15000

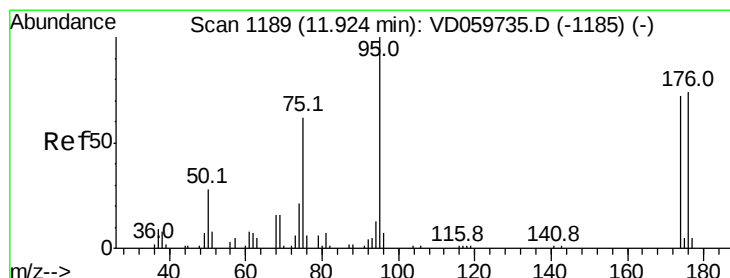
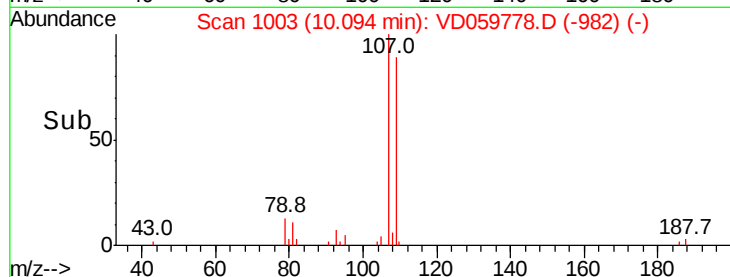
10000

5000

0

Time-->

10.00 10.10



#62

4-Bromofluorobenzene

Concen: 20.320 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

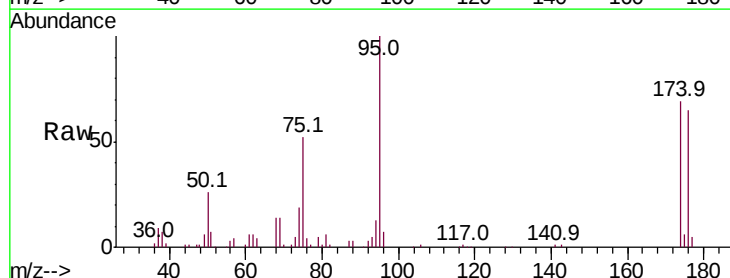
Tgt Ion: 95 Resp: 144965

Ion Ratio Lower Upper

95 100

174 69.5 0.0 143.2

176 64.9 0.0 147.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

120000

100000

80000

60000

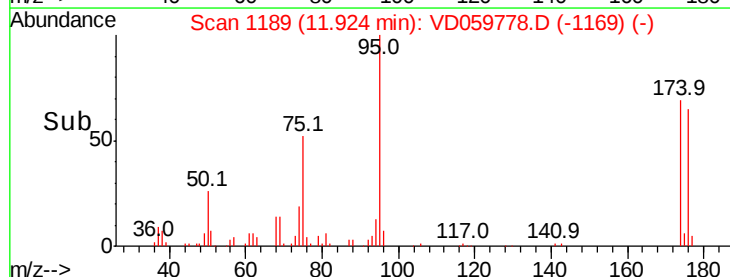
40000

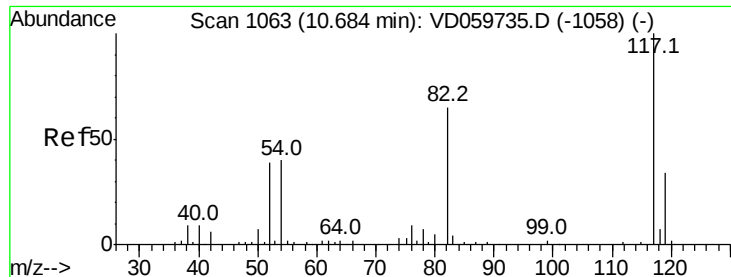
20000

0

Time-->

11.90 12.00

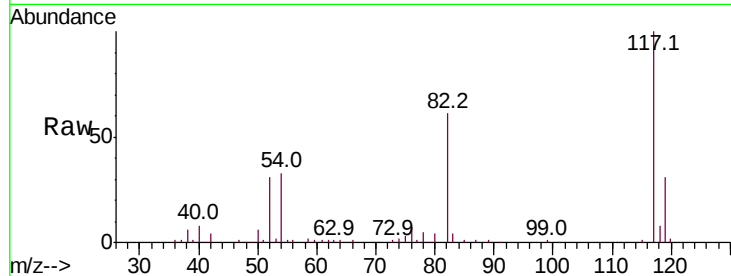




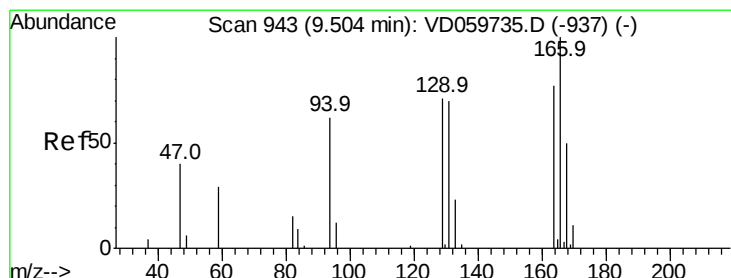
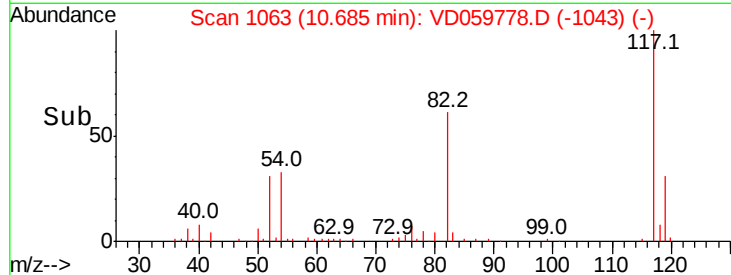
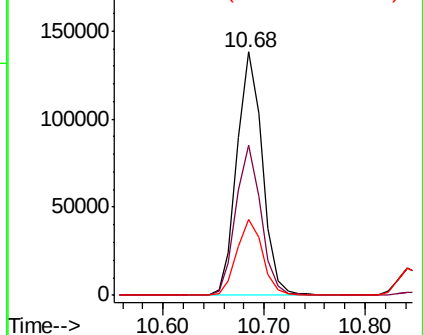
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 241960
Ion Ratio Lower Upper
117 100
82 61.4 51.9 77.9
119 31.0 27.4 41.0

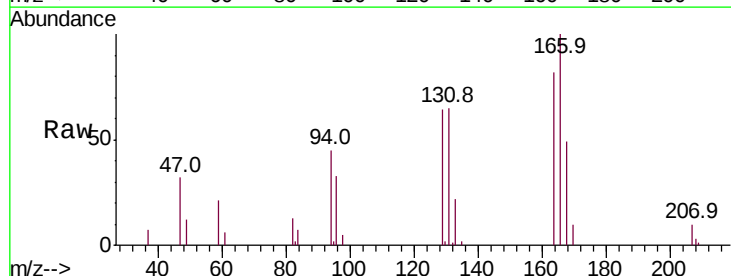


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

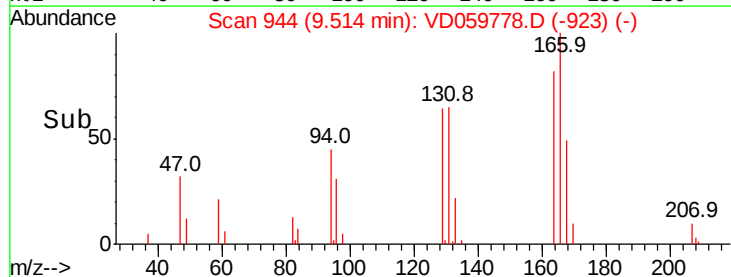
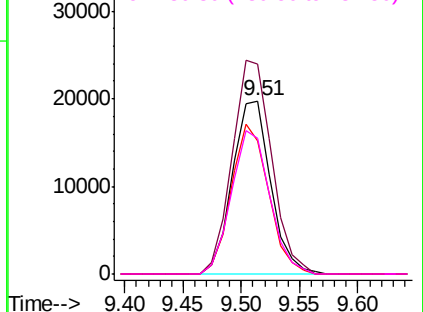


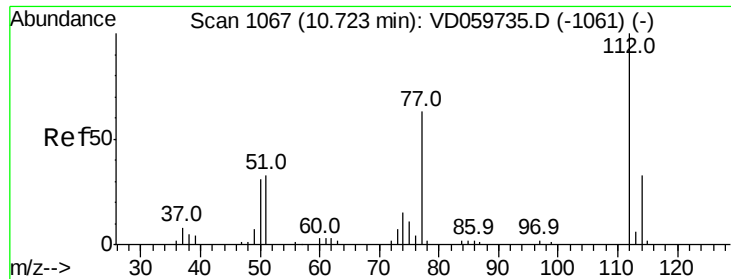
#64
Tetrachloroethene
Concen: 18.915 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion:164 Resp: 44921
Ion Ratio Lower Upper
164 100
166 121.3 103.5 155.3
129 77.1 73.5 110.3
131 78.6 72.3 108.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

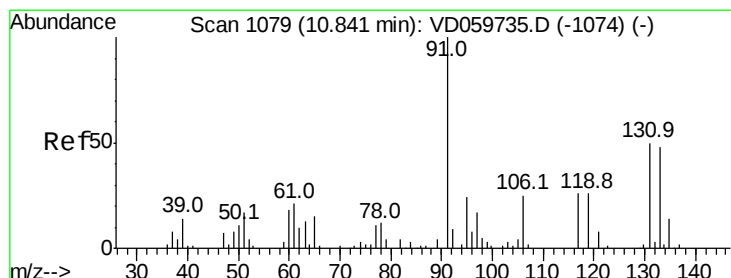
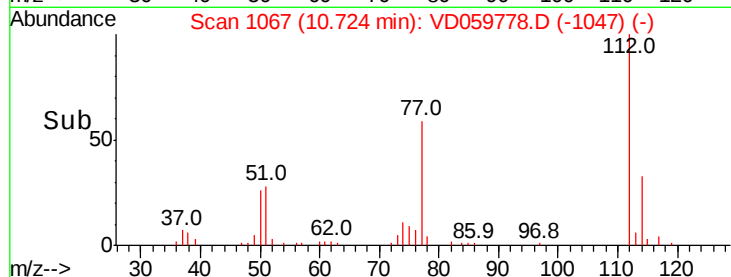
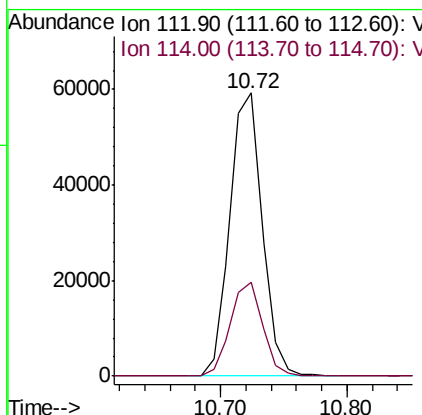
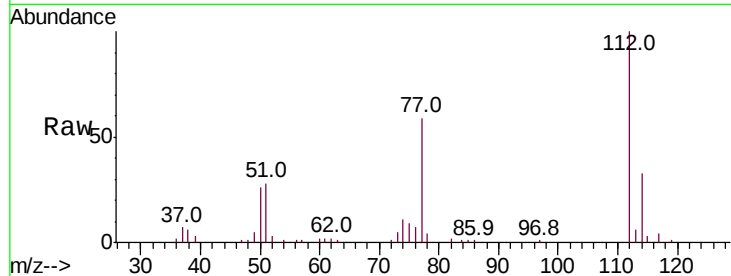




#65
Chlorobenzene
Concen: 21.257 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

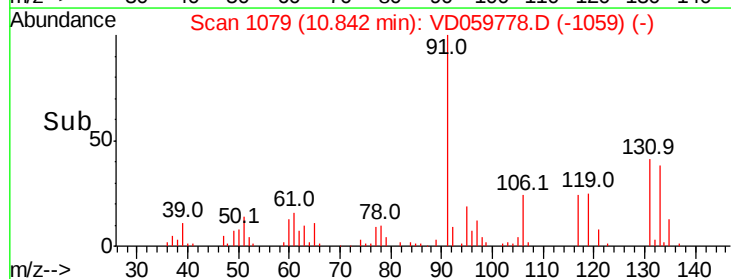
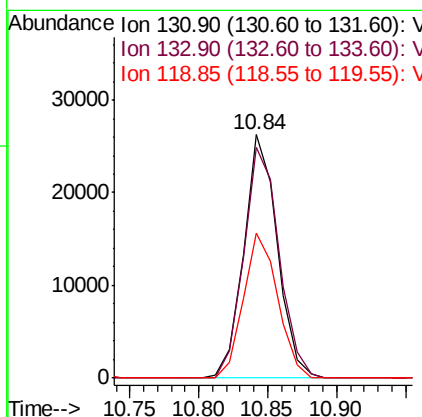
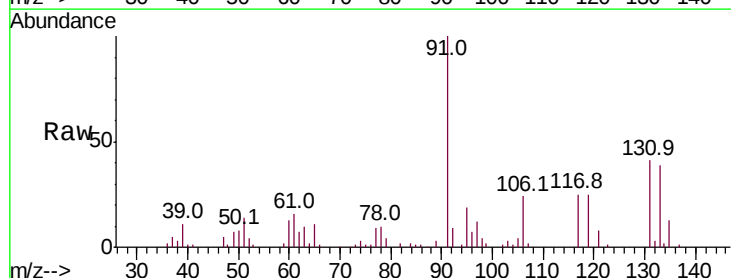
Instrument :
MSVOA_D
ClientSampleId :

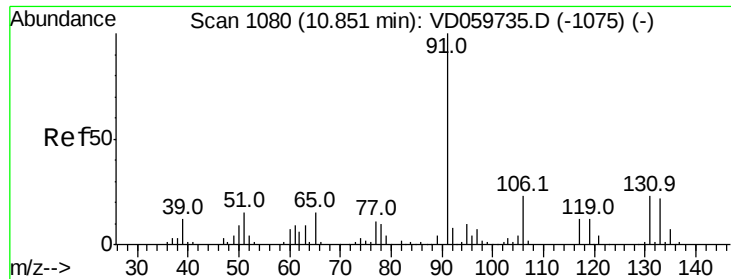
Tot Ion:112 Resp: 104969
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.806 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion:131 Resp: 44537
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.3
119 59.5 26.2 78.5

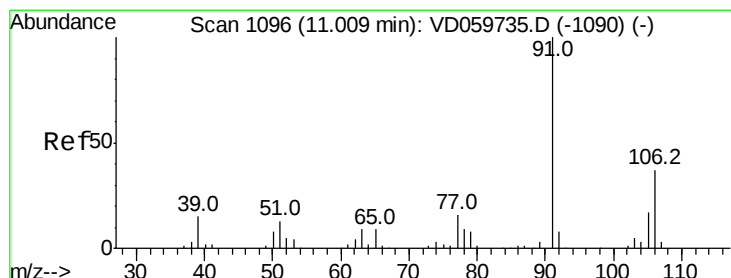
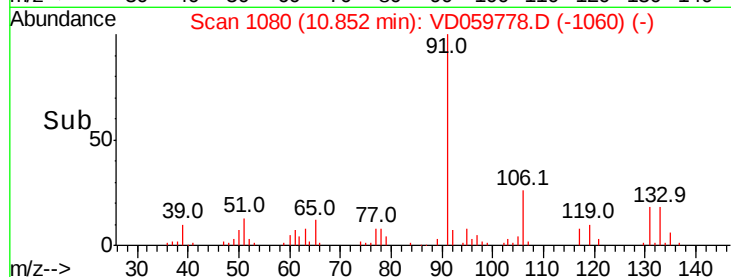
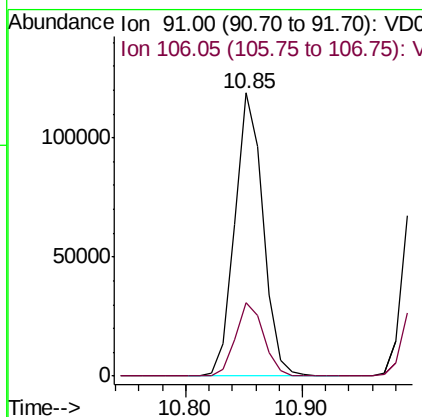
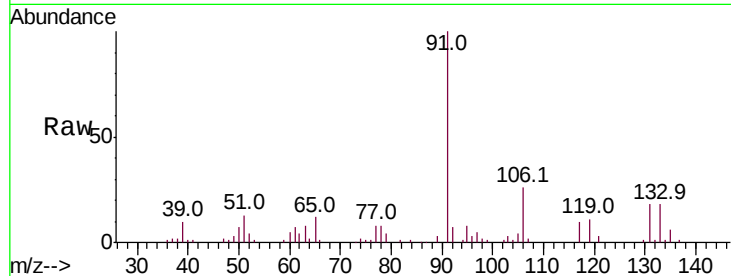




#67
Ethyl Benzene
Concen: 21.517 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

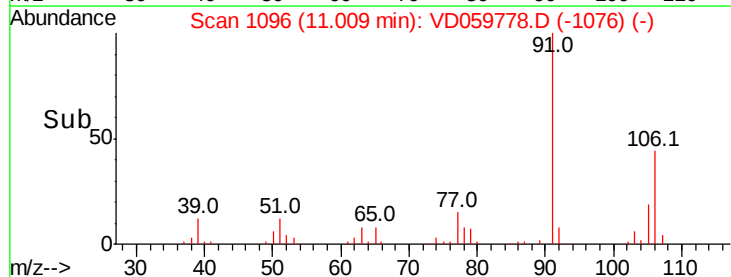
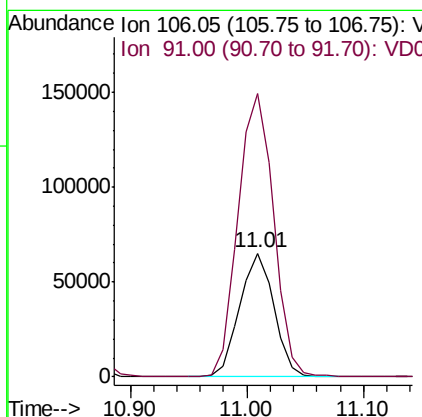
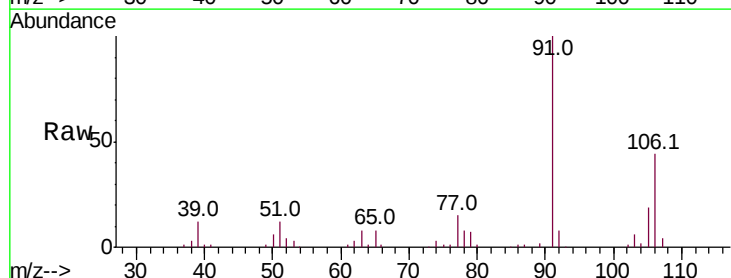
Instrument :
MSVOA_D
ClientSampleId :

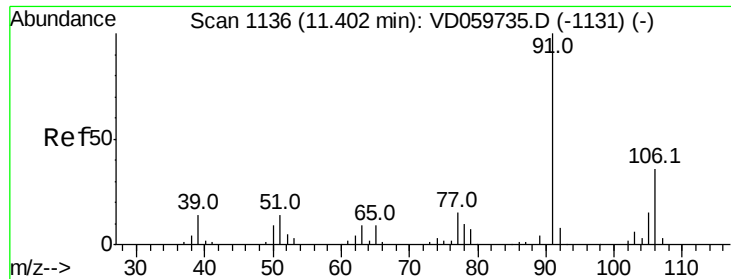
Tot Ion: 91 Resp: 199091
Ion Ratio Lower Upper
91 100
106 25.9 18.8 28.2



#68
m/p-Xylenes
Concen: 44.695 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 106 Resp: 132576
Ion Ratio Lower Upper
106 100
91 229.3 213.8 320.8

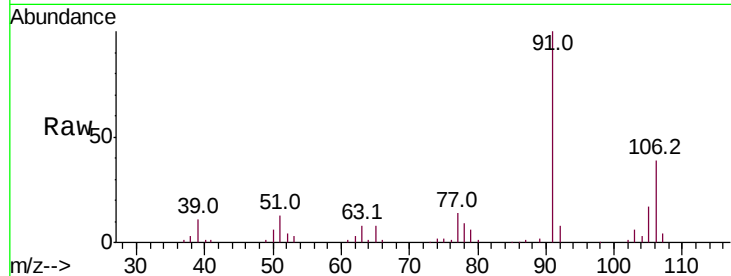




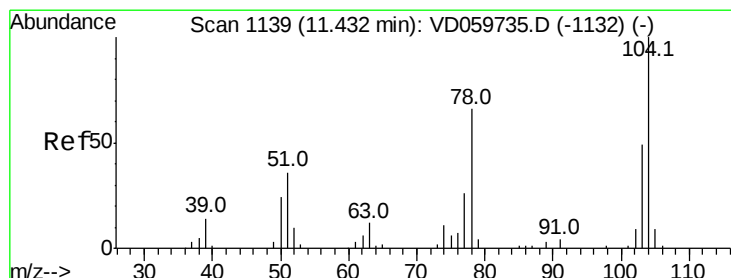
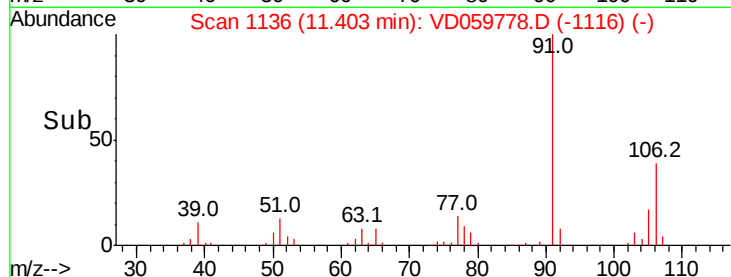
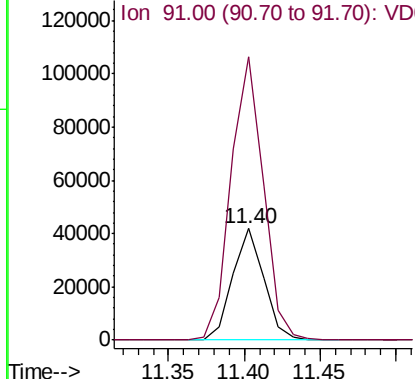
#69
o-Xylene
Concen: 20.893 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 60263
Ion Ratio Lower Upper
106 100
91 253.5 139.8 419.4

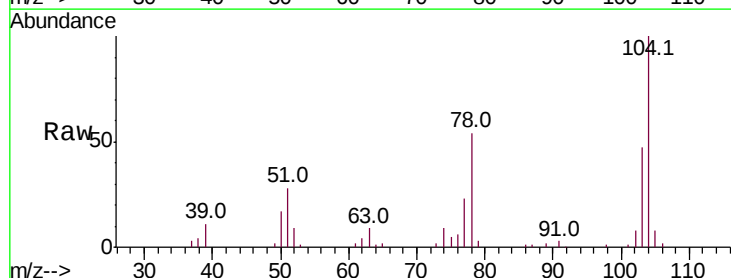


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

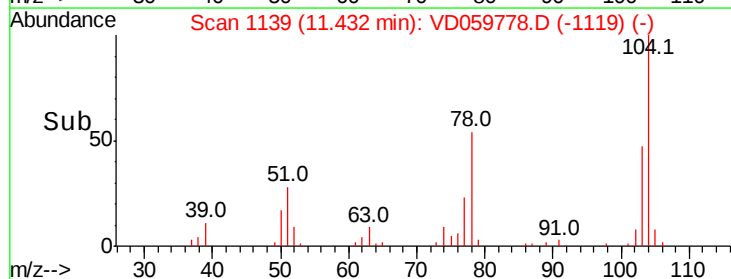
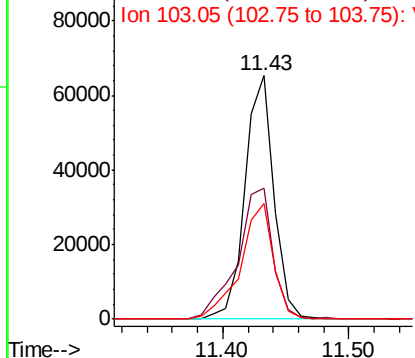


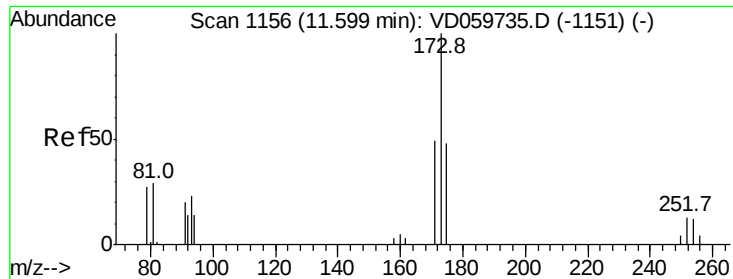
#70
Styrene
Concen: 21.838 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion:104 Resp: 103156
Ion Ratio Lower Upper
104 100
78 54.0 52.8 79.2
103 47.3 39.1 58.7



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





#71

Bromoform

Concen: 17.303 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

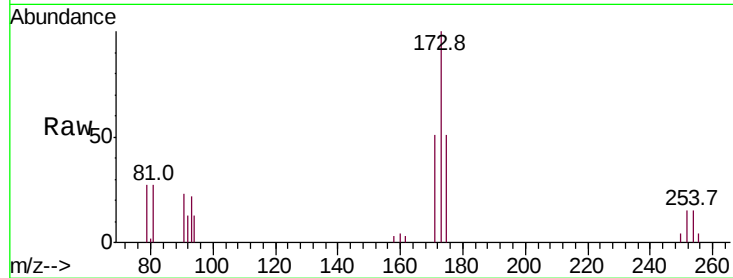
Tot Ion:173 Resp: 32733

Ion Ratio Lower Upper

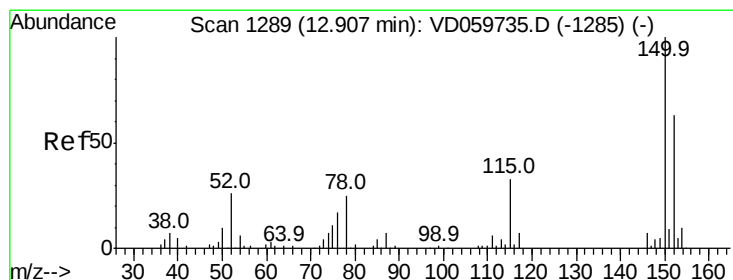
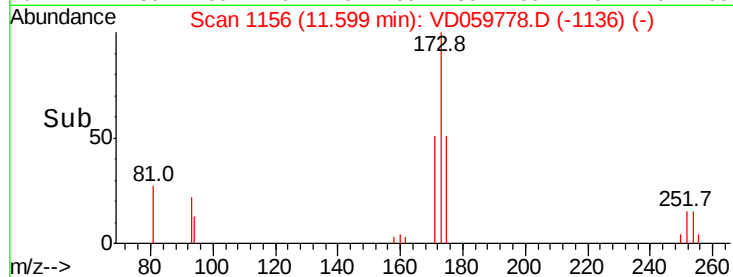
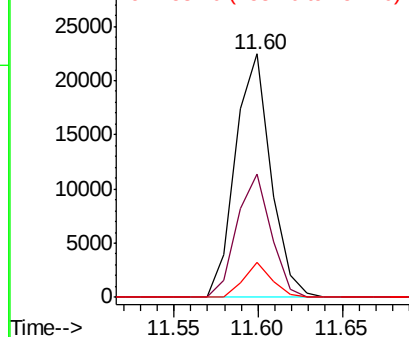
173 100

175 50.5 24.1 72.2

254 14.6 9.3 13.9#



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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

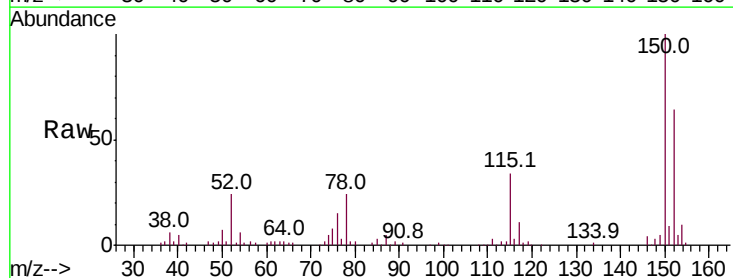
Tgt Ion:152 Resp: 135488

Ion Ratio Lower Upper

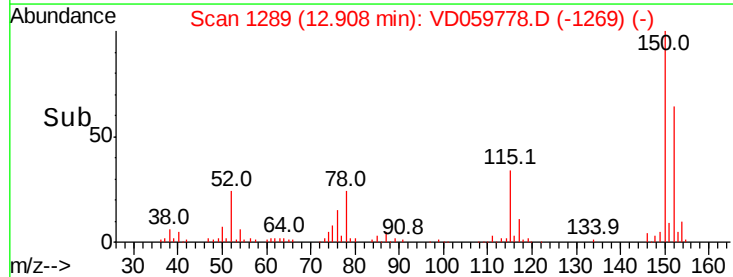
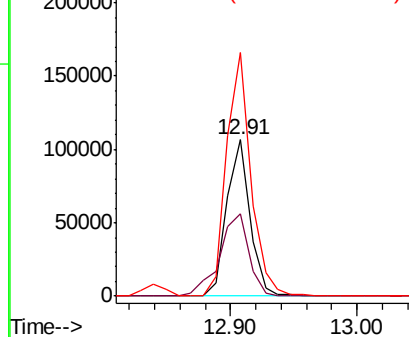
152 100

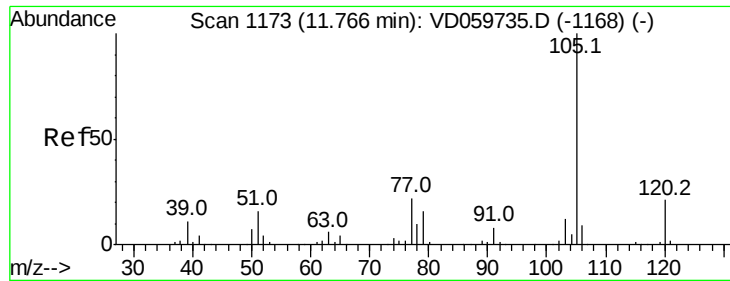
115 52.4 29.8 89.3

150 155.9 0.0 320.4



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: 20.521 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

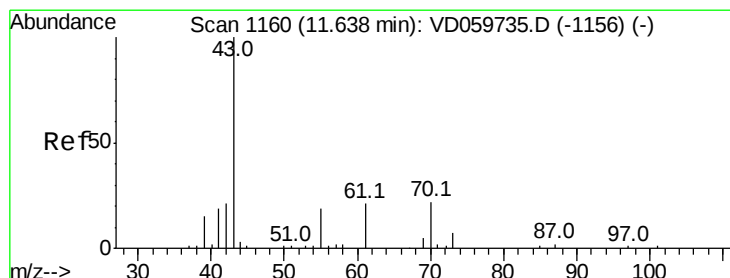
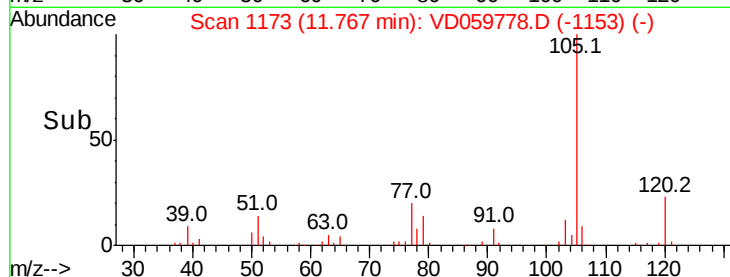
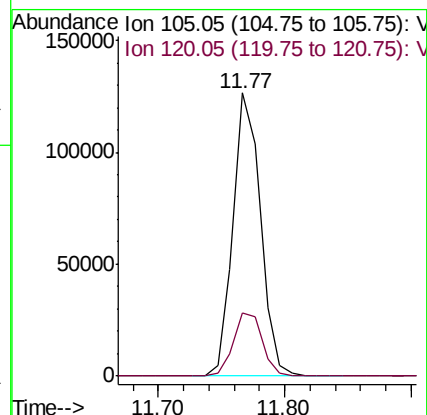
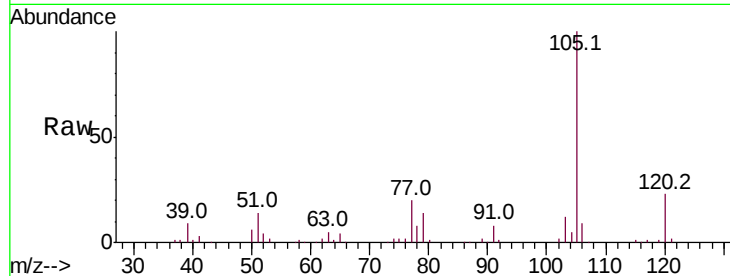
ClientSampled :

Tot Ion:105 Resp: 188894

Ion Ratio Lower Upper

105 100

120 22.5 10.3 30.8



#74

N-ethyl acetate

Concen: 20.929 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Tgt Ion: 43 Resp: 55228

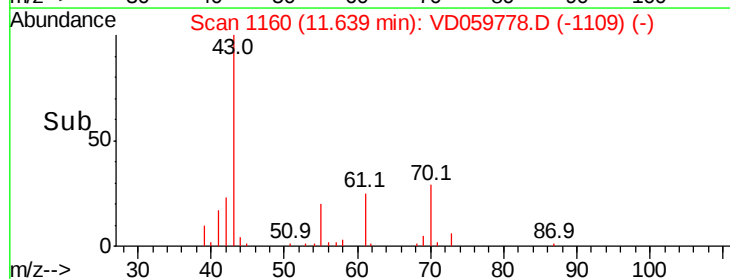
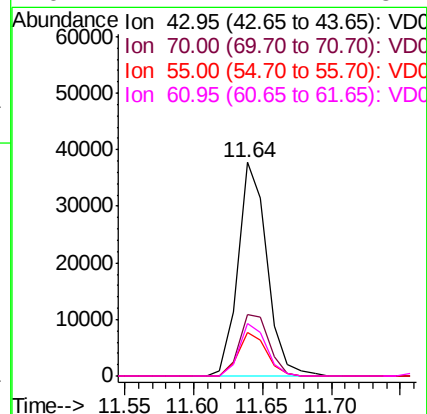
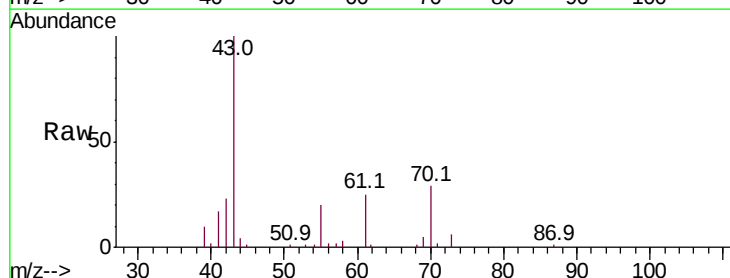
Ion Ratio Lower Upper

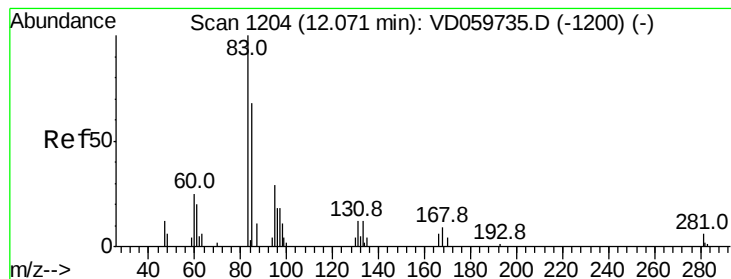
43 100

70 28.8 18.0 27.0#

55 20.1 14.8 22.2

61 24.7 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 24.110 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

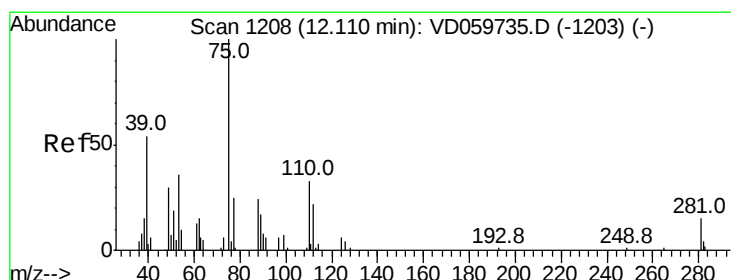
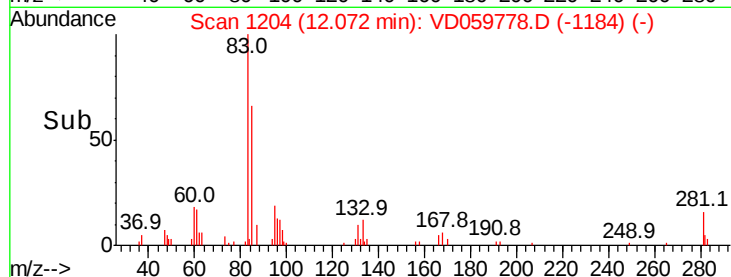
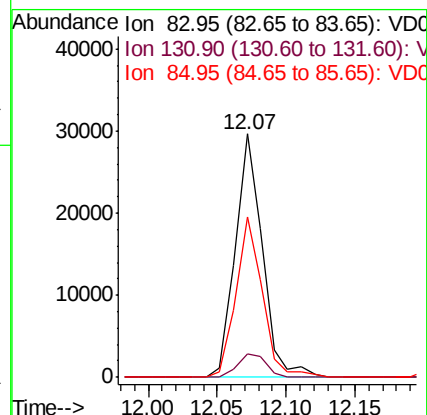
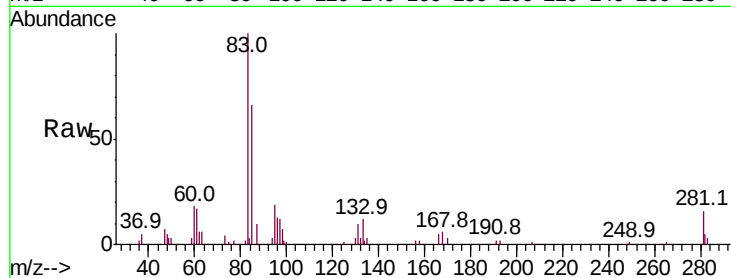
Tot Ion: 83 Resp: 40491

Ion Ratio Lower Upper

83 100

131 9.7 6.3 19.1

85 65.8 34.2 102.5



#76

1,2,3-Trichloropropane

Concen: 22.105 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059778.D

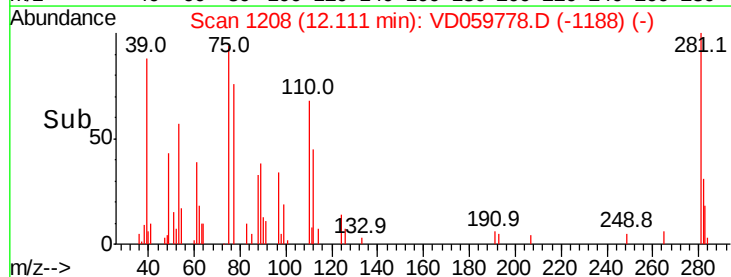
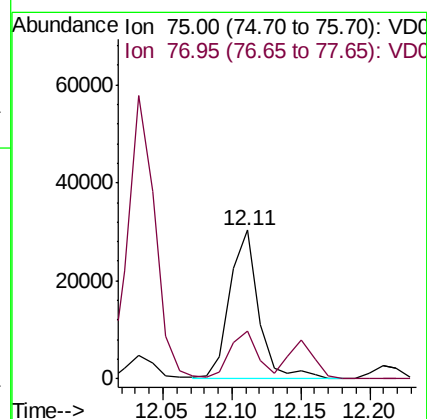
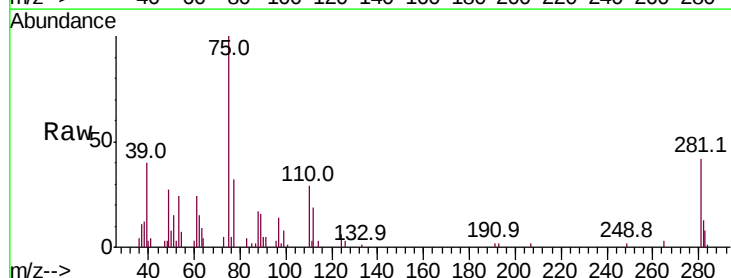
Acq: 14 Aug 2018 20:36

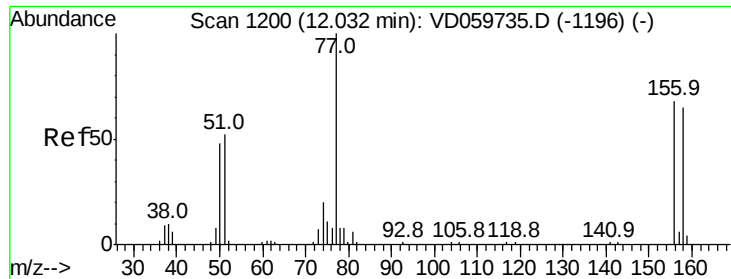
Tgt Ion: 75 Resp: 44303

Ion Ratio Lower Upper

75 100

77 32.1 16.0 48.0





#77

Bromobenzene

Concen: 20.273 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

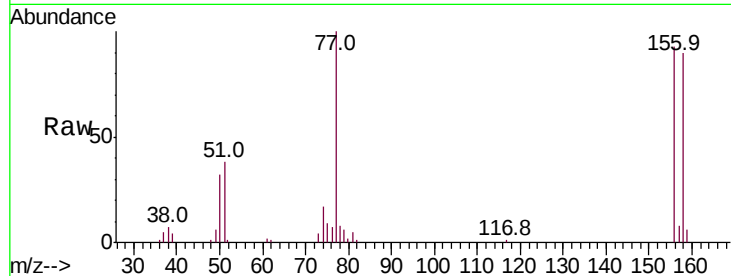
Tot Ion:156 Resp: 54499

Ion Ratio Lower Upper

156 100

77 107.5 73.3 219.8

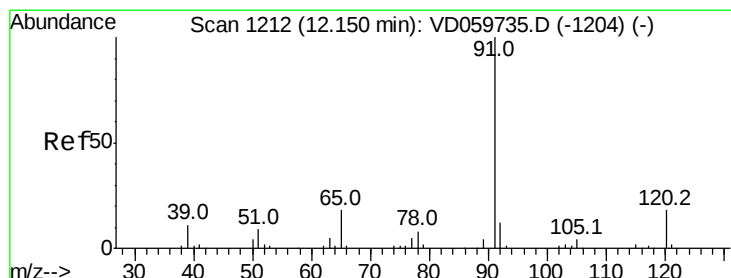
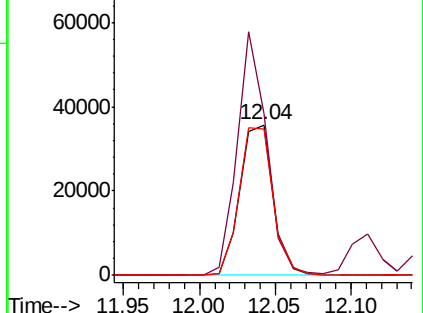
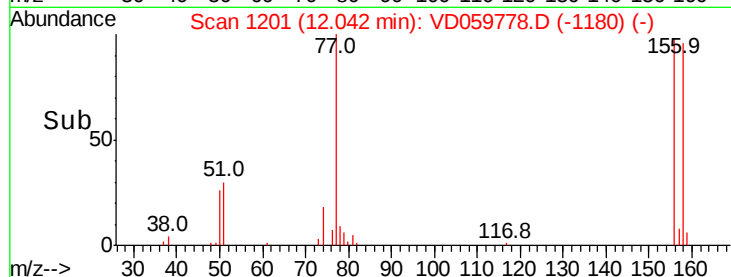
158 97.3 47.5 142.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.121 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059778.D

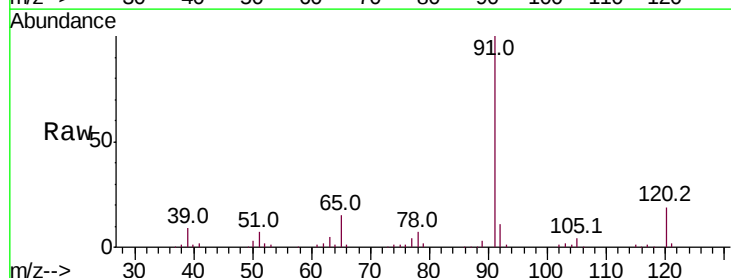
Acq: 14 Aug 2018 20:36

Tgt Ion: 91 Resp: 236177

Ion Ratio Lower Upper

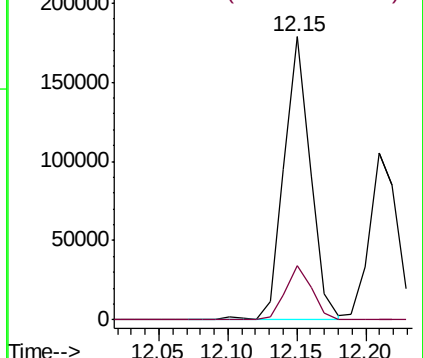
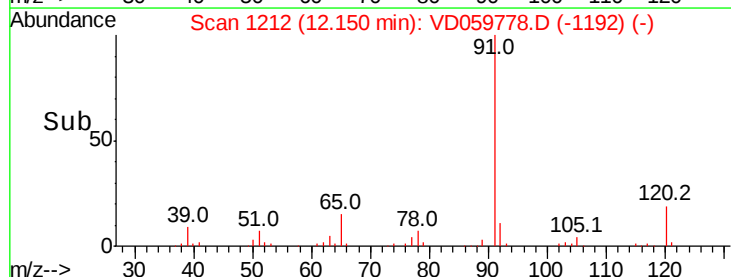
91 100

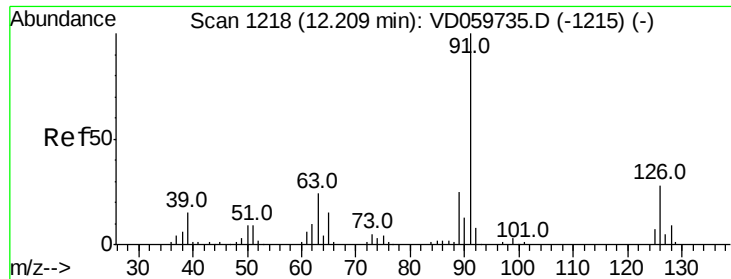
120 19.1 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

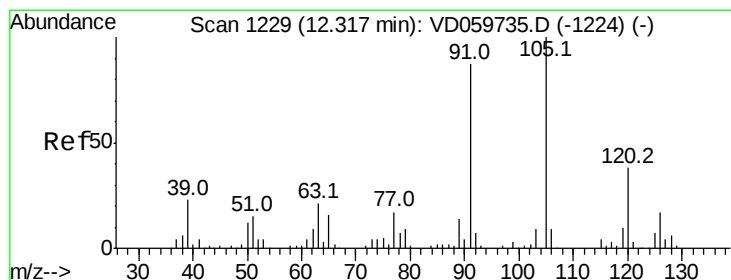
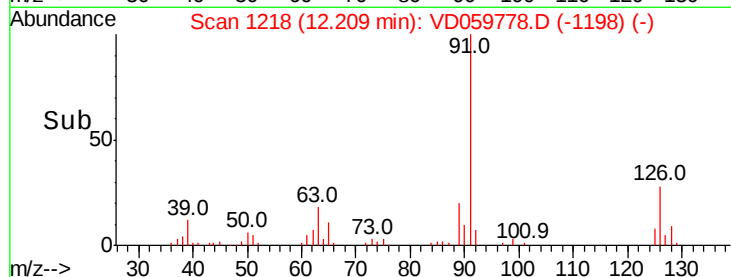
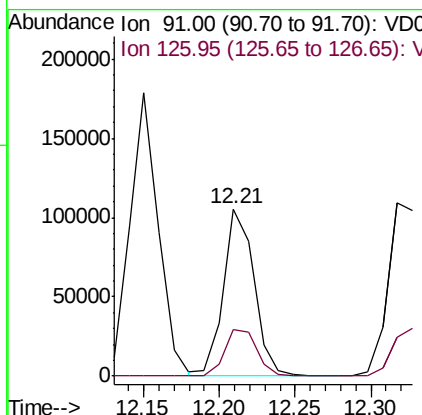
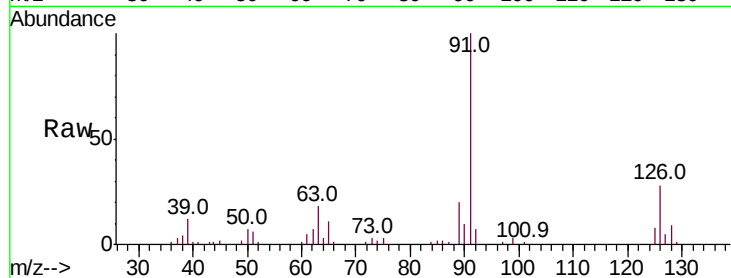




#79
 2-Chlorotoluene
 Concen: 20.851 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

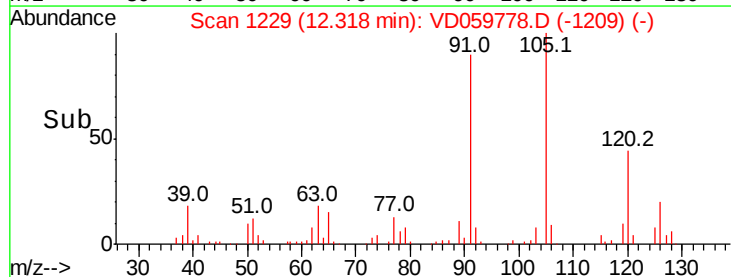
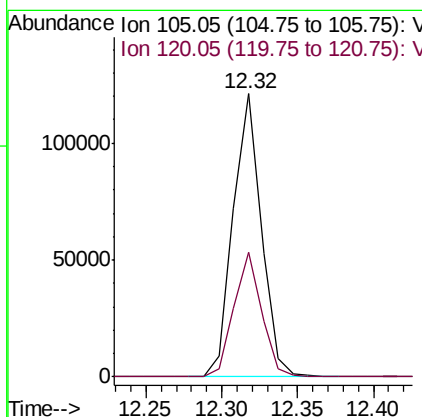
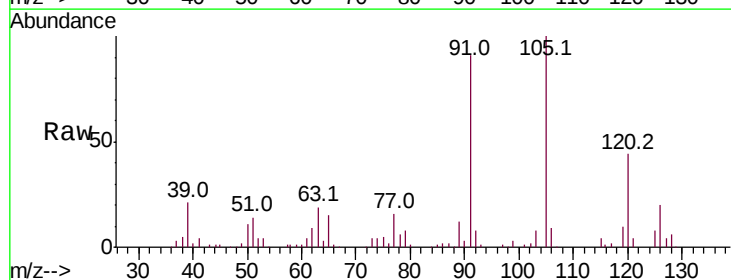
Instrument :
 MSVOA_D
 ClientSampled :

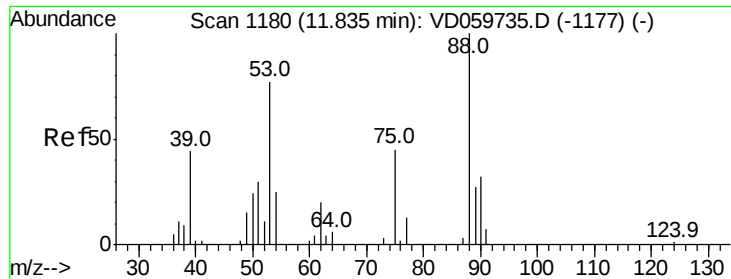
Tot Ion: 91 Resp: 147636
 Ion Ratio Lower Upper
 91 100
 126 27.8 13.3 39.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.582 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion: 105 Resp: 156162
 Ion Ratio Lower Upper
 105 100
 120 44.1 19.2 57.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.926 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampled :

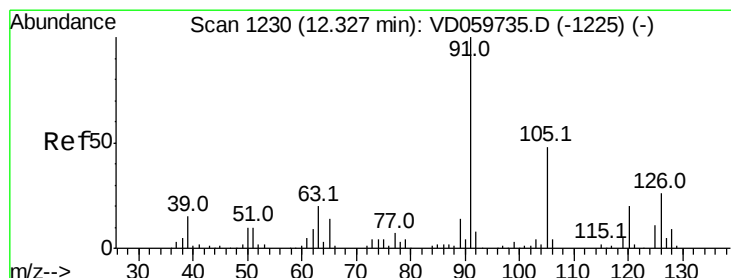
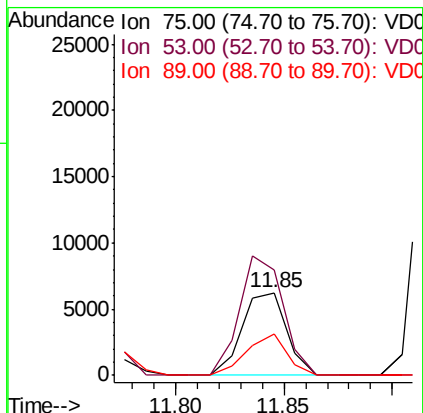
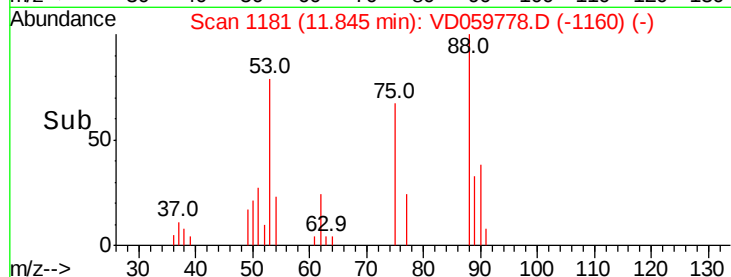
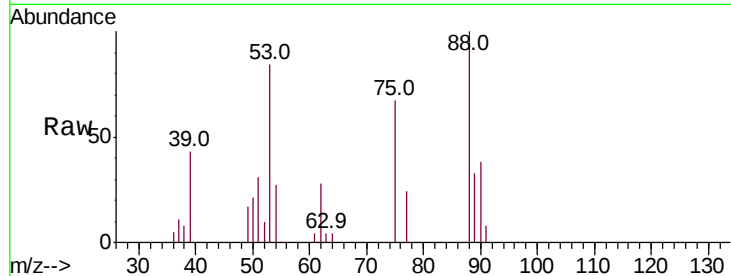
Tot Ion: 75 Resp: 8995

Ion Ratio Lower Upper

75 100

53 126.7 137.5 206.3#

89 49.2 48.3 72.5



#82

4-Chlorotoluene

Concen: 19.988 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059778.D

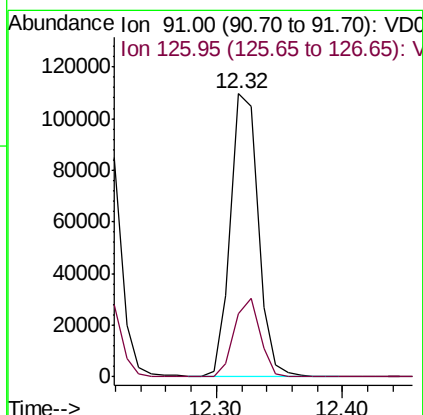
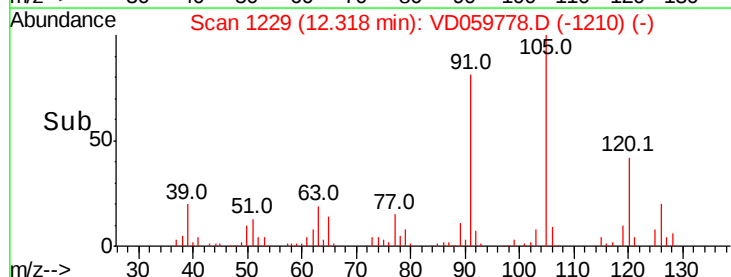
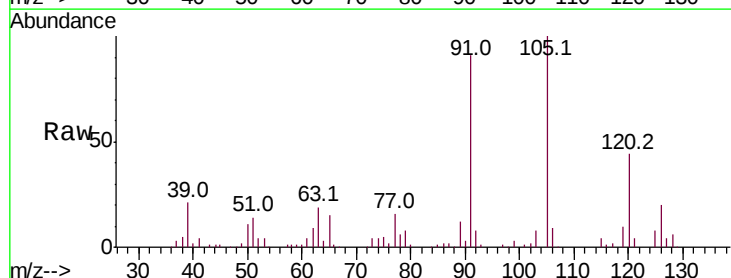
Acq: 14 Aug 2018 20:36

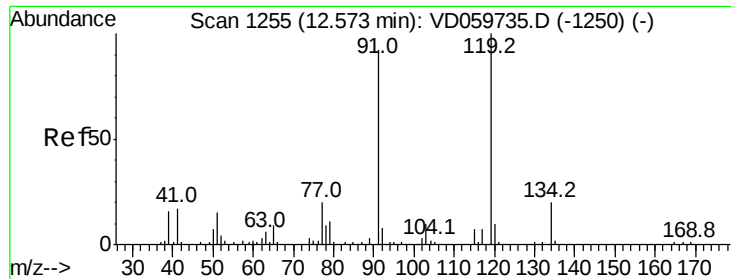
Tgt Ion: 91 Resp: 166835

Ion Ratio Lower Upper

91 100

126 22.2 12.8 38.3





#83

tert-Butylbenzene

Concen: 19.883 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059778.D

Acq: 14 Aug 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

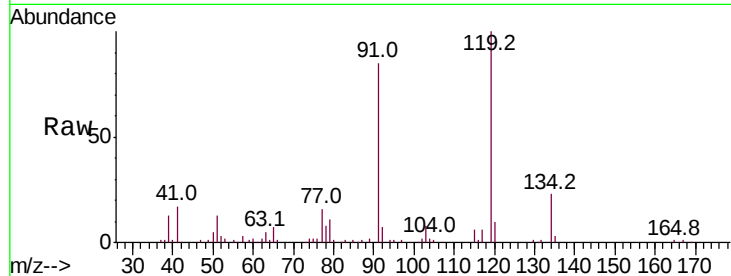
Tot Ion:119 Resp: 172453

Ion Ratio Lower Upper

119 100

91 84.6 46.1 138.2

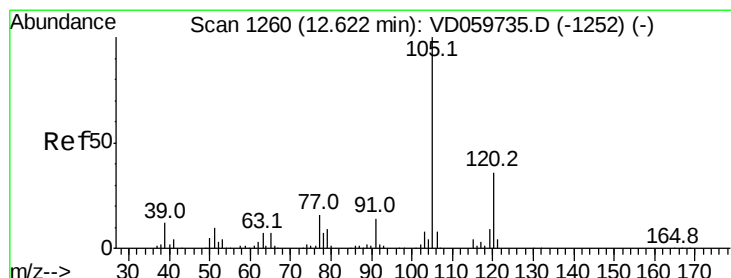
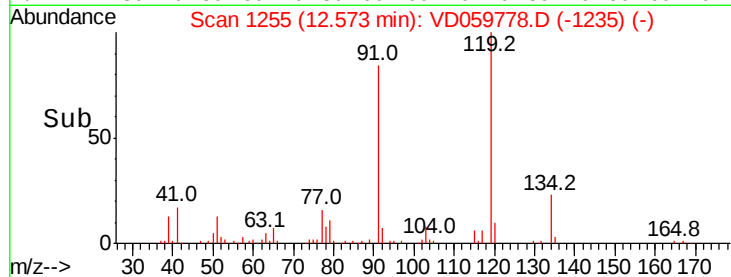
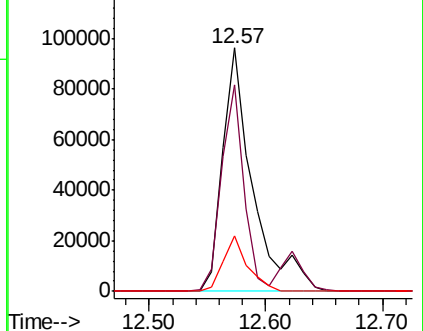
134 22.9 9.9 29.7



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: 20.406 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD059778.D

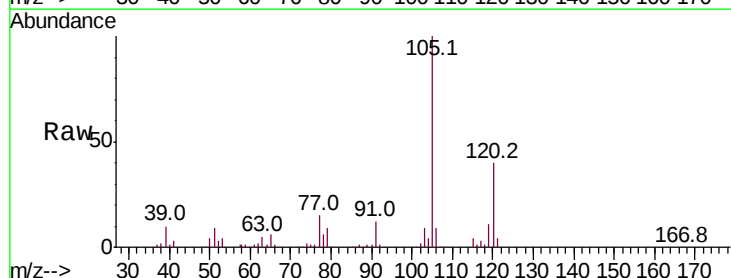
Acq: 14 Aug 2018 20:36

Tgt Ion:105 Resp: 167923

Ion Ratio Lower Upper

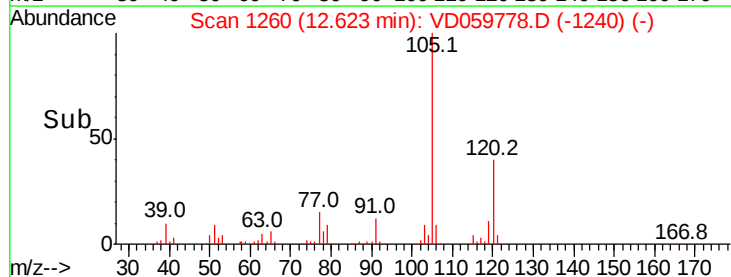
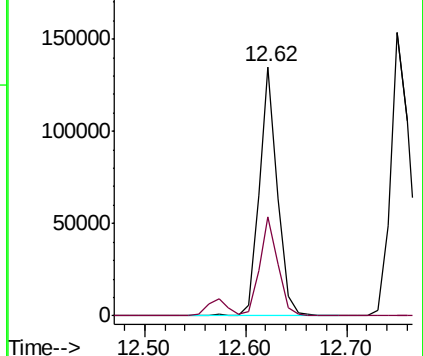
105 100

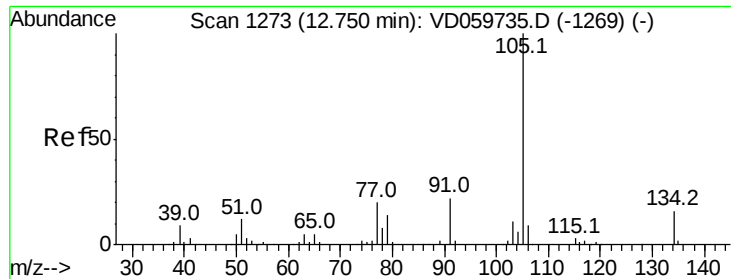
120 39.7 17.9 53.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

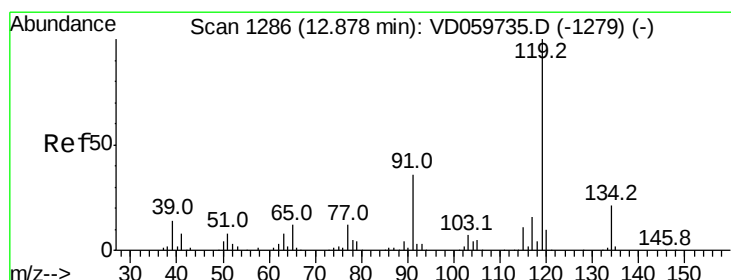
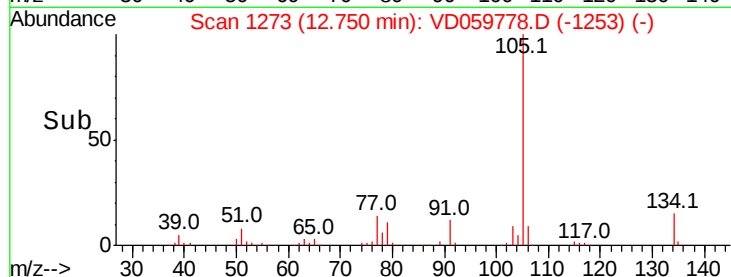
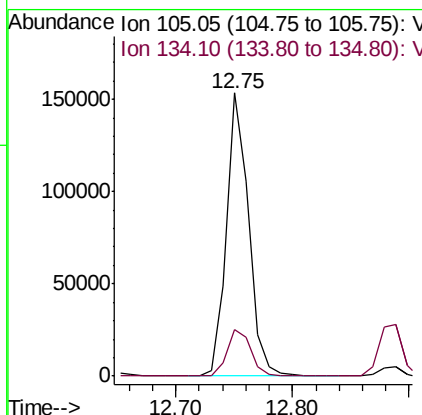
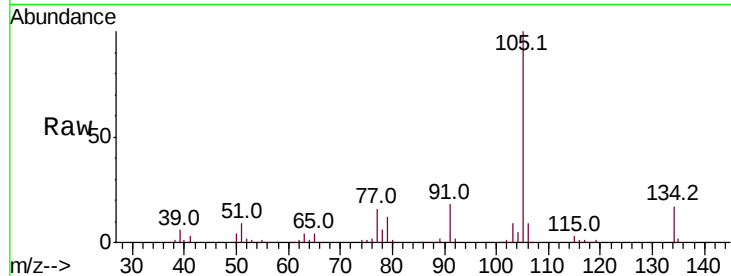




#85
 sec-Butylbenzene
 Concen: 21.906 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

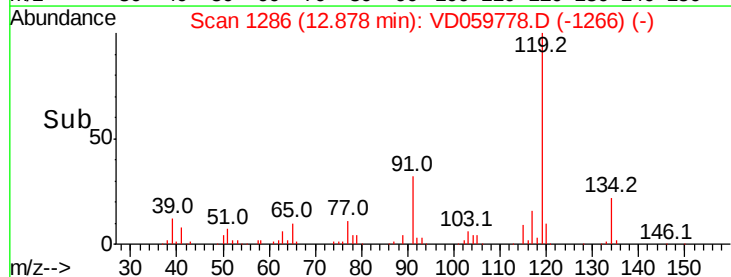
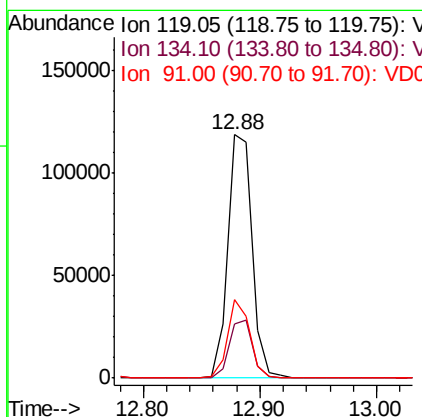
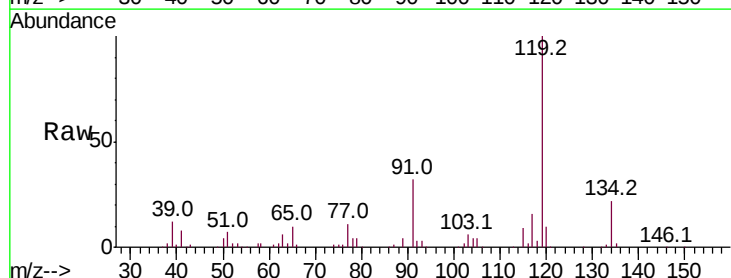
Instrument :
 MSVOA_D
 ClientSampleId :

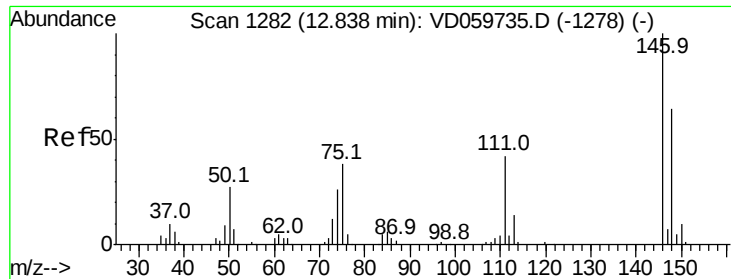
Tot Ion:105 Resp: 201981
 Ion Ratio Lower Upper
 105 100
 134 16.5 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 20.562 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion:119 Resp: 170843
 Ion Ratio Lower Upper
 119 100
 134 22.5 10.5 31.6
 91 32.4 17.9 53.7

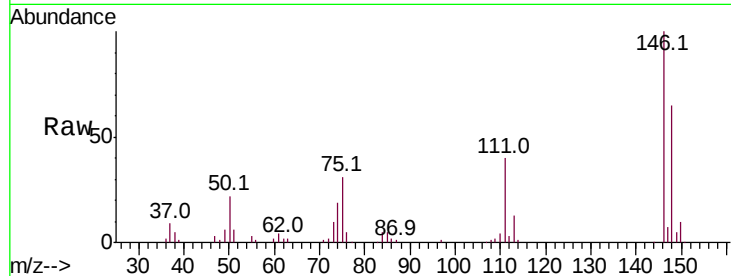




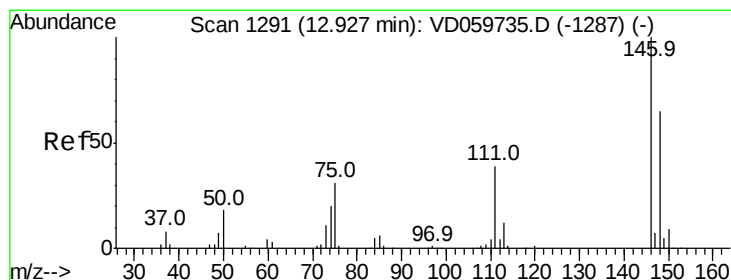
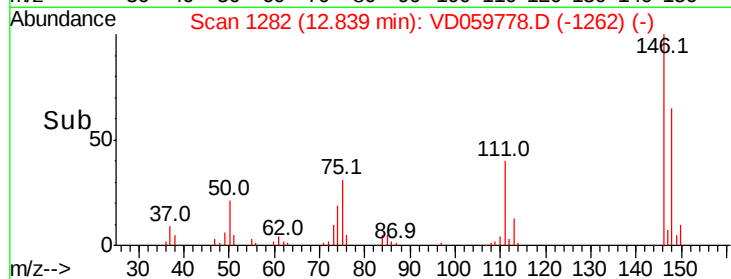
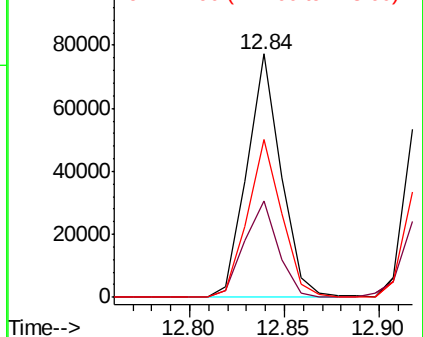
#87
 1,3-Dichlorobenzene
 Concen: 21.120 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 96128
 Ion Ratio Lower Upper
 146 100
 111 39.7 21.1 63.3
 148 64.9 32.2 96.6

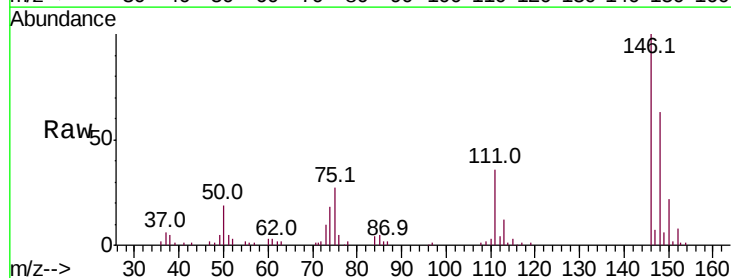


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

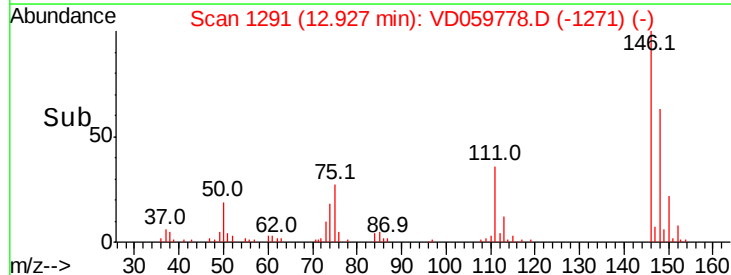
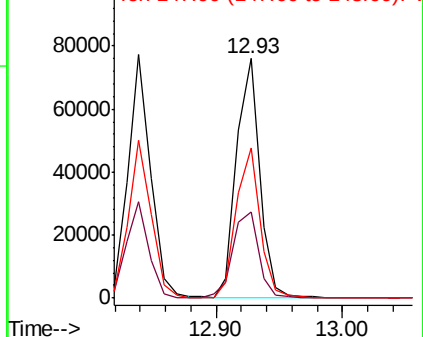


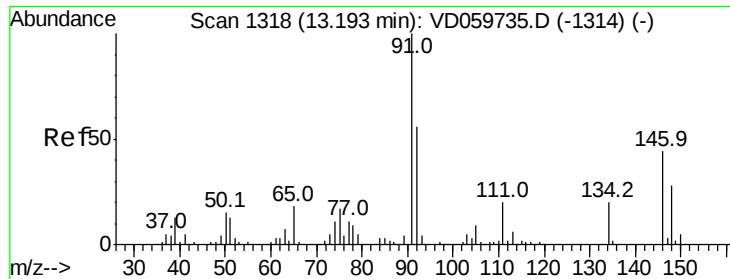
#88
 1,4-Dichlorobenzene
 Concen: 21.268 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion:146 Resp: 96771
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.7 59.0
 148 62.5 32.4 97.2



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

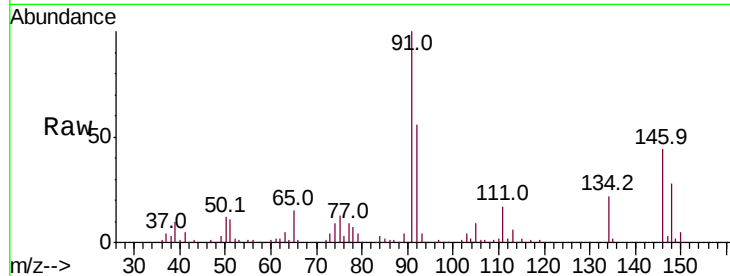




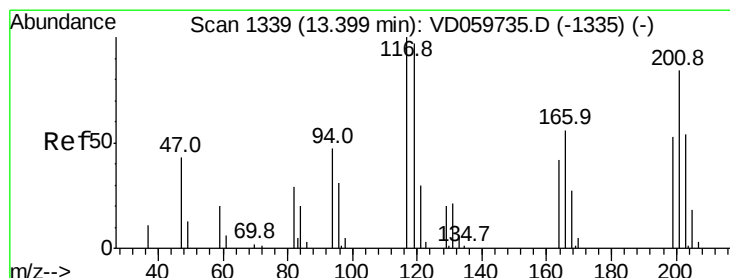
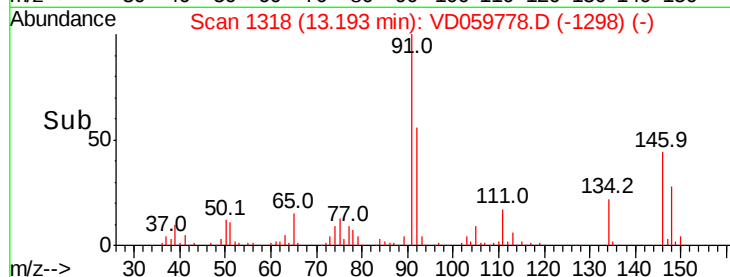
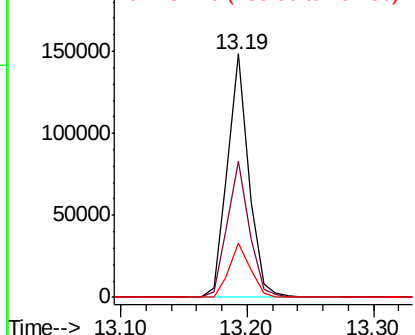
#89
n-Butylbenzene
Concen: 21.205 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 174203
Ion Ratio Lower Upper
91 100
92 55.8 28.1 84.4
134 22.2 10.3 30.8

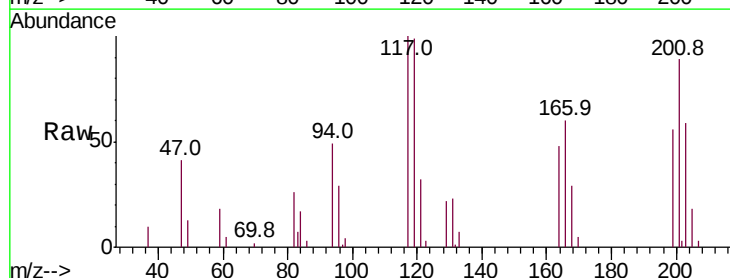


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

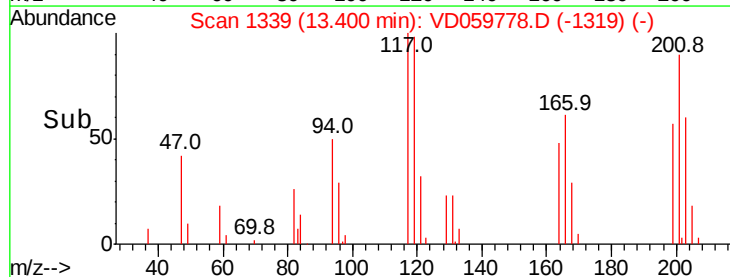
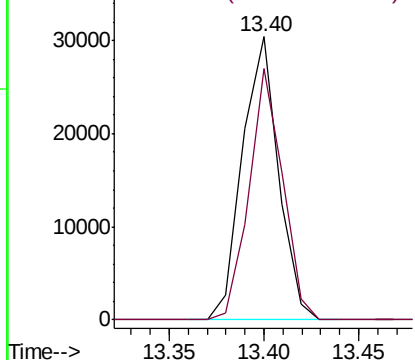


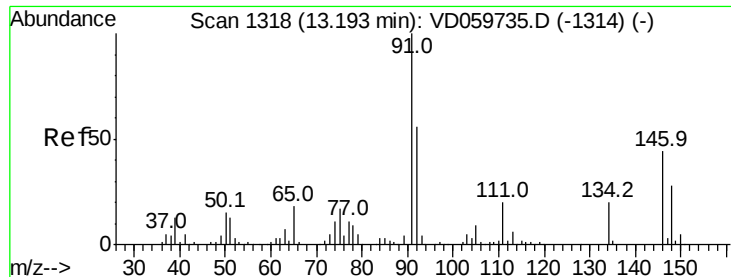
#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion: 117 Resp: 39984
Ion Ratio Lower Upper
117 100
201 88.6 41.9 125.7



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

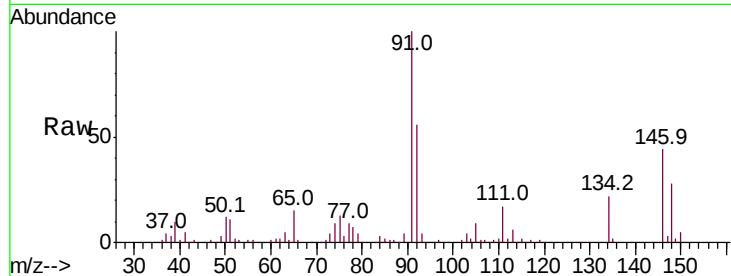




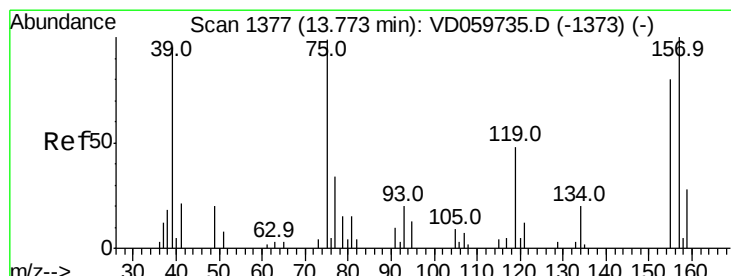
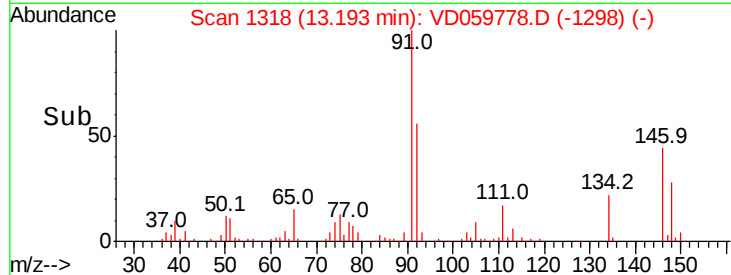
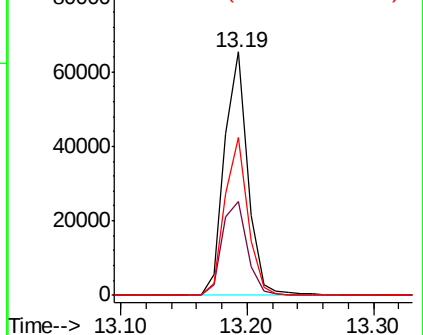
#91
 1,2-Dichlorobenzene
 Concen: 21.607 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 83550
 Ion Ratio Lower Upper
 146 100
 111 38.8 22.9 68.5
 148 64.7 31.8 95.4

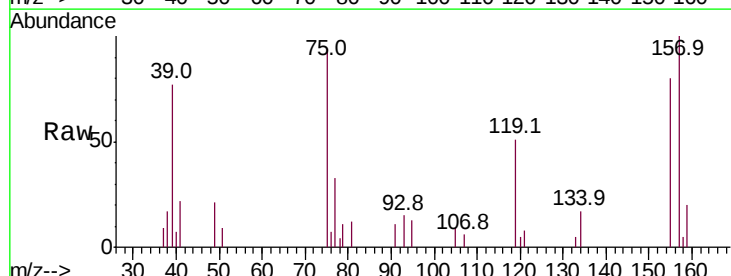


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

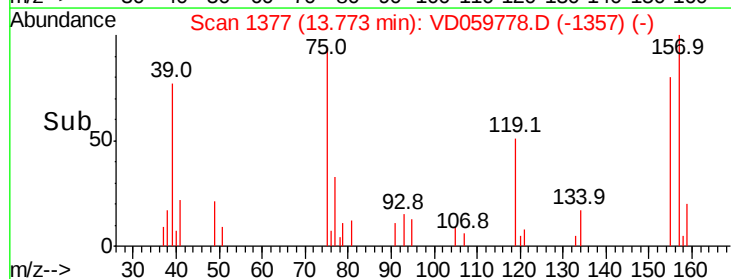
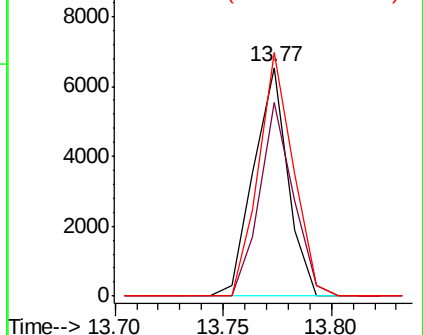


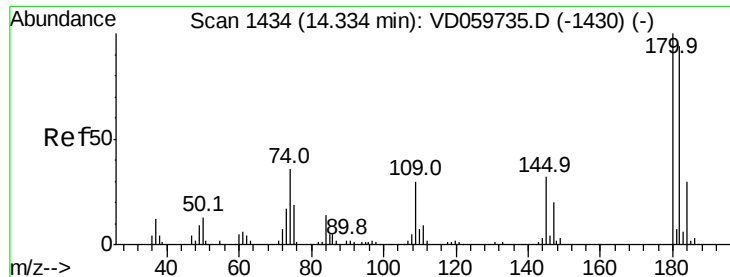
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.285 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion: 75 Resp: 7232
 Ion Ratio Lower Upper
 75 100
 155 84.8 40.4 121.1
 157 106.5 50.5 151.6



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

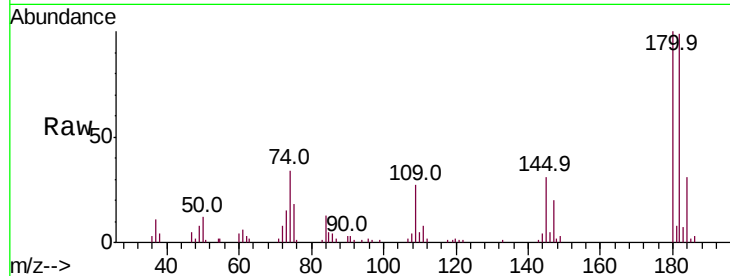




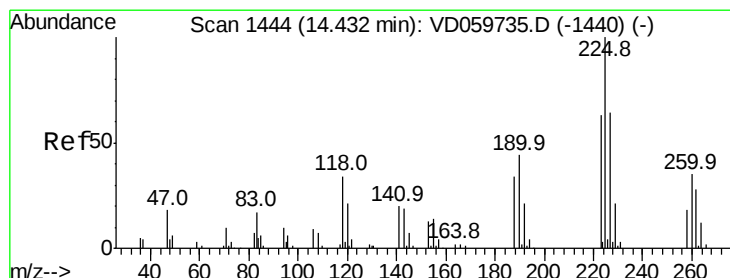
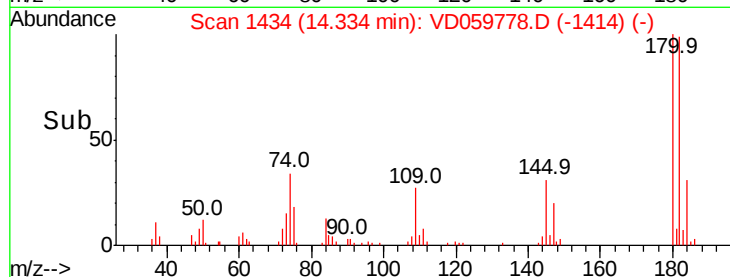
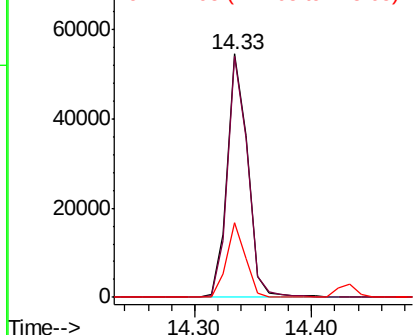
#93
 1,2,4-Trichlorobenzene
 Concen: 18.259 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 67033
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.1 141.4
 145 30.5 15.8 47.3

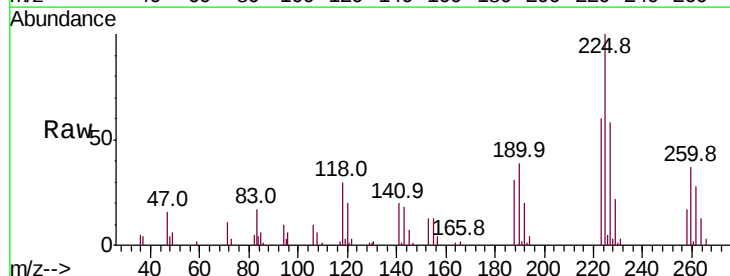


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

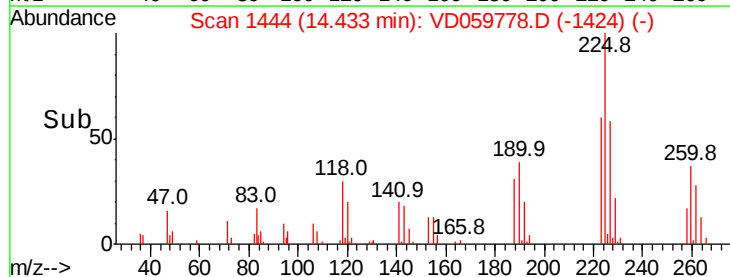
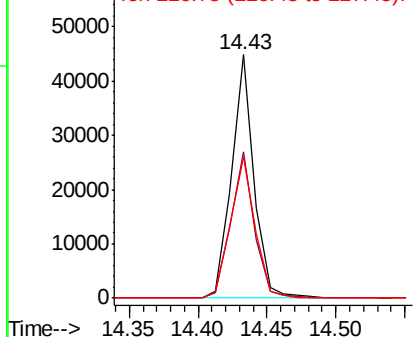


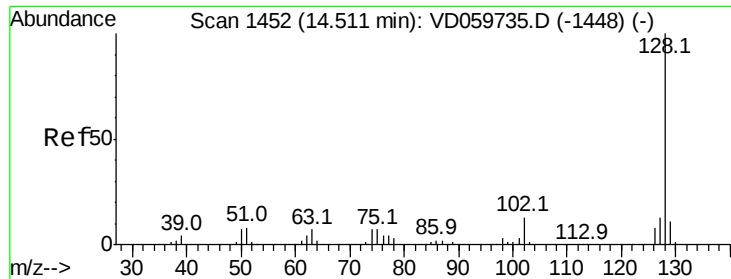
#94
 Hexachlorobutadiene
 Concen: 16.428 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059778.D
 Acq: 14 Aug 2018 20:36

Tgt Ion:225 Resp: 50544
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.5 94.5
 227 58.2 32.1 96.3



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

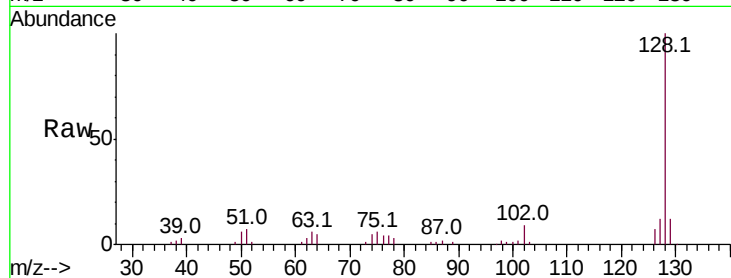




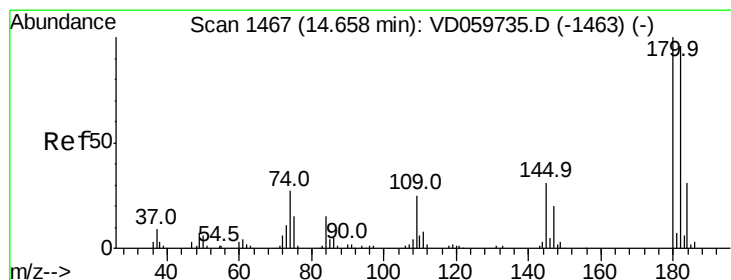
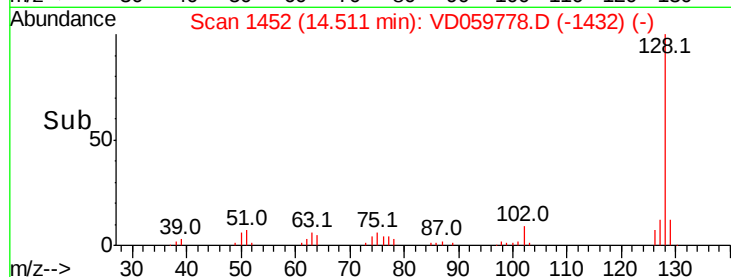
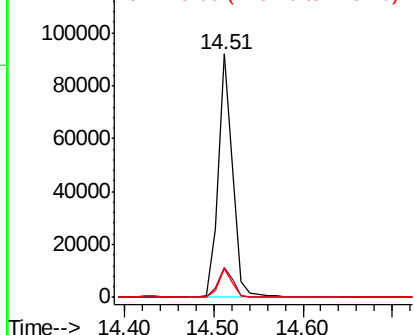
#95
Naphthalene
Concen: 20.905 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 103341
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 11.6 8.9 13.3

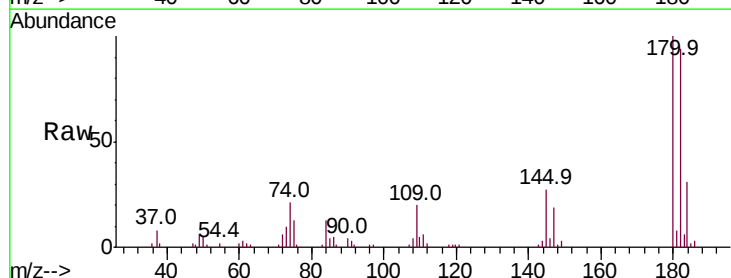


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.667 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059778.D
Acq: 14 Aug 2018 20:36

Tgt Ion:180 Resp: 58590
Ion Ratio Lower Upper
180 100
182 93.8 48.1 144.4
145 27.1 15.4 46.4



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

