

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059798.D
 Acq On : 15 Aug 2018 16:24
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 16 07:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	283363	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.67	114	367971	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	312969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	167287	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	188977	51.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	5.53	113	171265	53.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	8.70	98	387887	51.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.92	95	176453	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	61927	17.934	ug/l	97
3) Chloromethane	1.47	50	35749	18.859	ug/l	96
4) Vinyl Chloride	1.55	62	38304	19.076	ug/l	97
5) Bromomethane	1.77	94	7667	11.993	ug/l	98
6) Chloroethane	1.86	64	12199	14.567	ug/l	93
7) Trichlorofluoromethane	2.07	101	54140	17.170	ug/l	95
8) Diethyl Ether	2.33	74	11500	18.956	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.53	101	32078	18.140	ug/l	94
10) Methyl Iodide	2.68	142	29019	15.764	ug/l #	85
11) Tert butyl alcohol	3.25	59	12409	96.334	ug/l #	74
12) 1,1-Dichloroethene	2.53	96	23398	18.301	ug/l	92
13) Acrolein	2.45	56	7786	79.882	ug/l	92
14) Allyl chloride	2.90	41	59689	18.579	ug/l	92
15) Acrylonitrile	3.34	53	36140	80.083	ug/l	93
16) Acetone	2.60	43	55252	96.162	ug/l	100
17) Carbon Disulfide	2.74	76	76243	17.795	ug/l	97
18) Methyl Acetate	2.91	43	19592	15.955	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	116042	18.595	ug/l	99
20) Methylene Chloride	3.05	84	33167	19.410	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	41820	16.600	ug/l	97
22) Diisopropyl ether	4.05	45	164024	18.925	ug/l	97
23) Vinyl Acetate	4.00	43	497682	101.395	ug/l	99
24) 1,1-Dichloroethane	3.95	63	98855	19.226	ug/l	98
25) 2-Butanone	4.82	43	75770	86.162	ug/l	99
26) 2,2-Dichloropropane	4.78	77	96332	20.489	ug/l	100
27) cis-1,2-Dichloroethene	4.78	96	53908	19.530	ug/l	98
28) Bromochloromethane	5.13	49	36552	18.118	ug/l	96
29) Tetrahydrofuran	5.16	42	36886	98.312	ug/l	97
30) Chloroform	5.30	83	108283	17.539	ug/l	97
31) Cyclohexane	5.57	56	70490	19.062	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	102139	18.816	ug/l	97
36) 1,1-Dichloropropene	5.73	75	72677	19.251	ug/l	98
37) Ethyl Acetate	4.90	43	40362	21.376	ug/l	99
38) Carbon Tetrachloride	5.71	117	90723	19.918	ug/l	99

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Quant Time: Aug 16 07:46:32 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	64676	19.804	ug/l	97
40) Benzene	5.99	78	153025	19.109	ug/l	95
41) Methacrylonitrile	5.11	41	20912	23.149	ug/l	96
42) 1,2-Dichloroethane	6.11	62	83260	19.212	ug/l	100
43) Isopropyl Acetate	7.61	43	46971	19.699	ug/l	93
44) Trichloroethene	6.97	130	53260	19.423	ug/l	97
45) 1,2-Dichloropropane	7.33	63	41937	20.148	ug/l	98
46) Dibromomethane	7.45	93	31620	18.574	ug/l	99
47) Bromodichloromethane	7.72	83	79480	19.055	ug/l	95
48) Methyl methacrylate	7.50	41	32102	20.632	ug/l	96
49) 1,4-Dioxane	7.48	88	5439	396.935	ug/l	99
51) 4-Methyl-2-Pentanone	8.59	43	161861	89.803	ug/l	100
52) Toluene	8.79	92	102708	20.021	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	69017	19.957	ug/l	94
54) cis-1,3-Dichloropropene	8.34	75	70835	18.953	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	35045	18.504	ug/l	96
56) Ethyl methacrylate	9.30	69	38949	18.990	ug/l	91
57) 1,3-Dichloropropane	9.65	76	57610	19.418	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	109967	108.478	ug/l	98
59) 2-Hexanone	9.78	43	123014	95.179	ug/l	97
60) Dibromochloromethane	9.95	129	55319	20.118	ug/l	99
61) 1,2-Dibromoethane	10.08	107	39601	18.877	ug/l	96
64) Tetrachloroethene	9.50	164	49206	18.255	ug/l	97
65) Chlorobenzene	10.71	112	126288	19.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	52028	20.366	ug/l	97
67) Ethyl Benzene	10.85	91	213479	19.562	ug/l	95
68) m/p-Xylenes	11.00	106	143350	38.756	ug/l	93
69) o-Xylene	11.40	106	70437	19.840	ug/l	82
70) Styrene	11.42	104	123237	19.572	ug/l	99
71) Bromoform	11.59	173	36154	19.469	ug/l #	94
73) Isopropylbenzene	11.77	105	210441	19.867	ug/l	98
74) N-amyl acetate	11.64	43	66170	20.374	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	42362	19.694	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	47929	20.194	ug/l	97
77) Bromobenzene	12.03	156	59539	19.670	ug/l	85
78) n-propylbenzene	12.15	91	268491	20.320	ug/l	100
79) 2-Chlorotoluene	12.21	91	154840	19.433	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	171599	20.232	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.84	75	11104	19.996	ug/l	92
82) 4-Chlorotoluene	12.32	91	181747	20.096	ug/l	94
83) tert-Butylbenzene	12.57	119	187465	20.004	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	175343	19.185	ug/l	97
85) sec-Butylbenzene	12.75	105	222293	20.465	ug/l	97
86) p-Isopropyltoluene	12.88	119	180043	19.809	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	107564	19.818	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	105199	19.550	ug/l	96
89) n-Butylbenzene	13.19	91	184726	20.102	ug/l	98
90) Hexachloroethane	13.40	117	45920	20.134	ug/l	85
91) 1,2-Dichlorobenzene	13.19	146	91024	20.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7712	20.096	ug/l	73

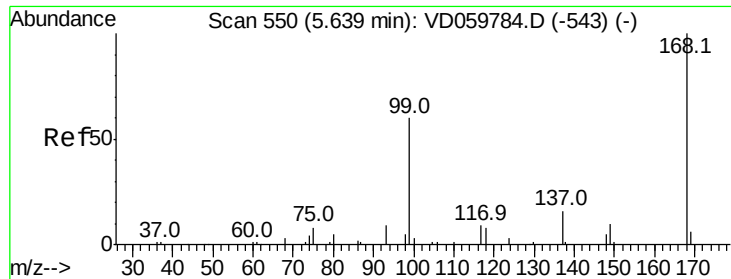
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Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	76528	20.502	ug/l	97
94) Hexachlorobutadiene	14.43	225	54445	19.760	ug/l	95
95) Naphthalene	14.51	128	114802	20.088	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	63843	19.383	ug/l	99

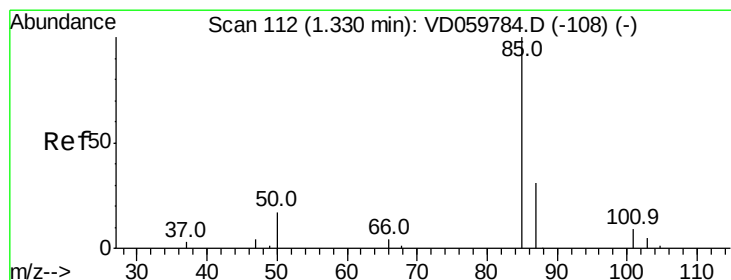
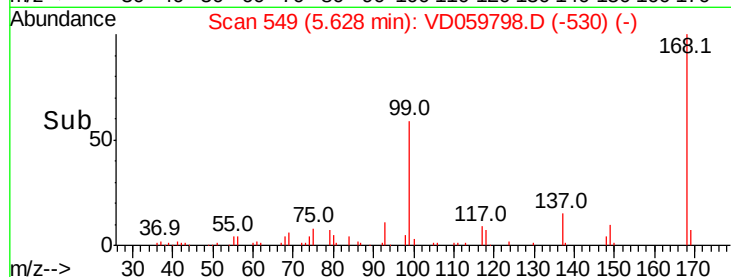
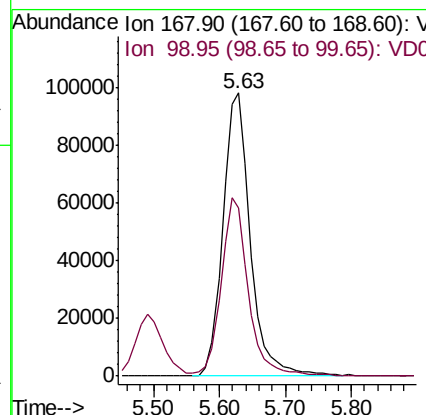
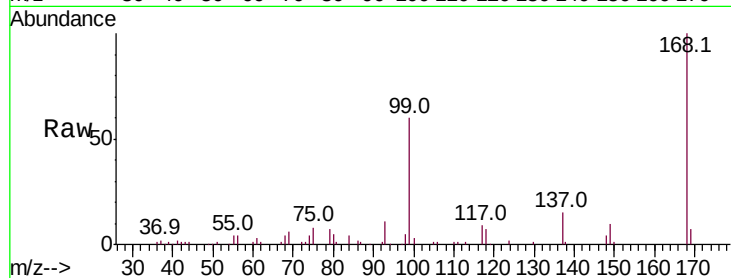
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

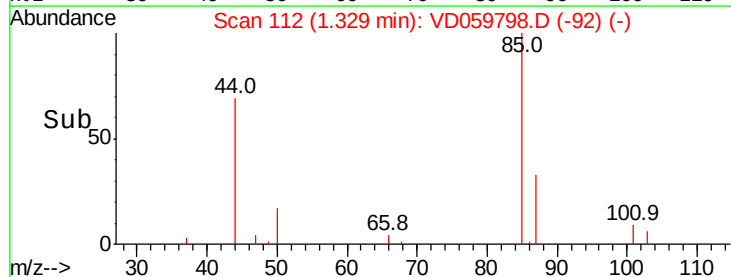
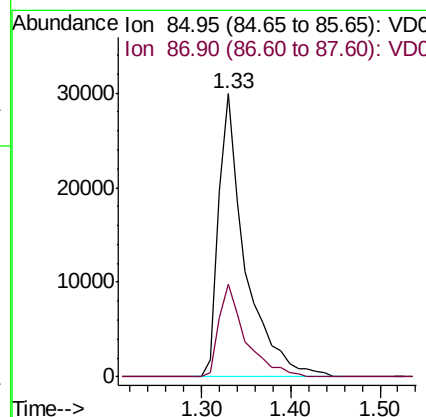
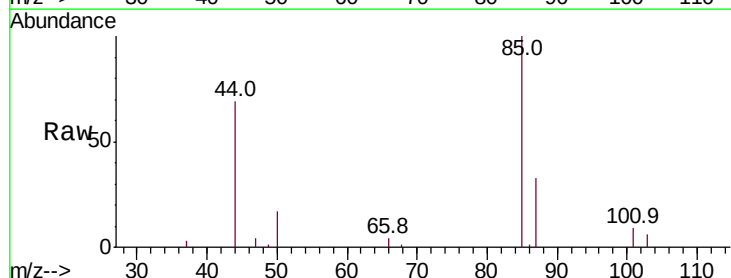
Instrument :
MSVOA_D
ClientSampleId :

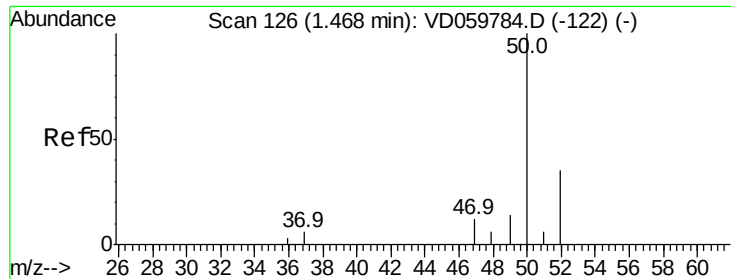
Tot Ion:168 Resp: 283363
Ion Ratio Lower Upper
168 100
99 59.6 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 17.934 ug/l
RT: 1.33 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 85 Resp: 61927
Ion Ratio Lower Upper
85 100
87 32.8 15.7 47.1





#3

Chloromethane

Concen: 18.859 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

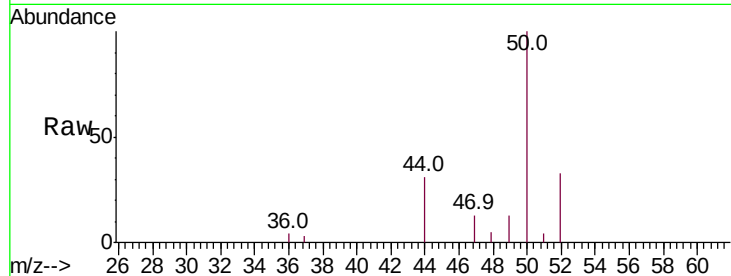
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 35749

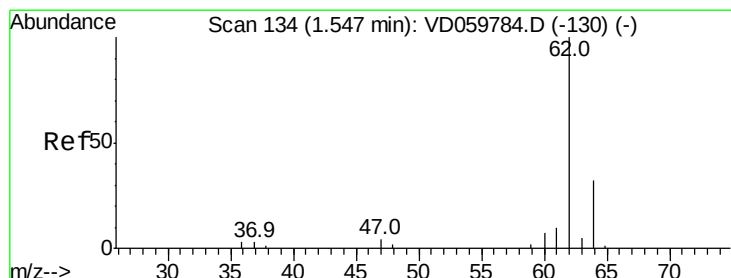
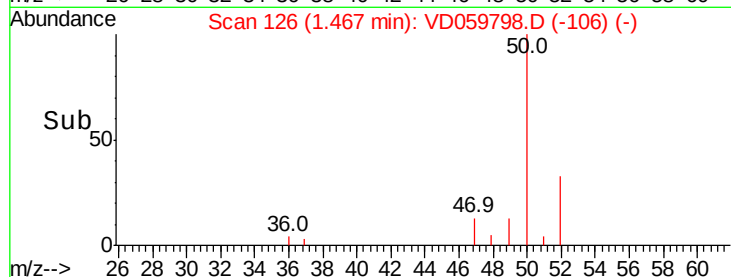
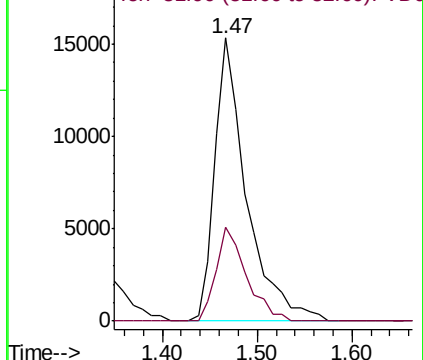
Ion Ratio Lower Upper

50 100

52 33.4 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.076 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059798.D

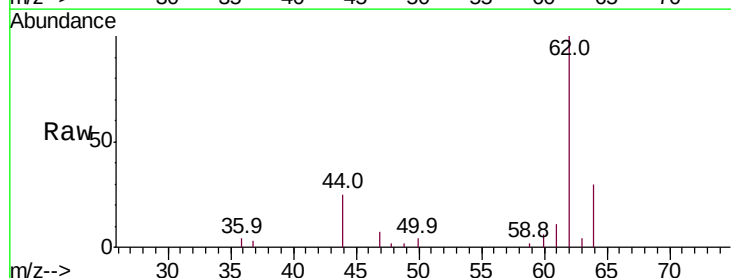
Acq: 15 Aug 2018 16:24

Tgt Ion: 62 Resp: 38304

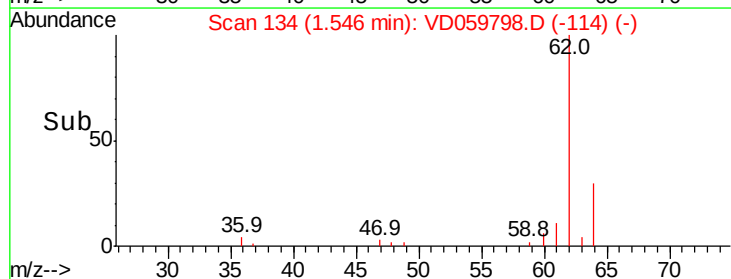
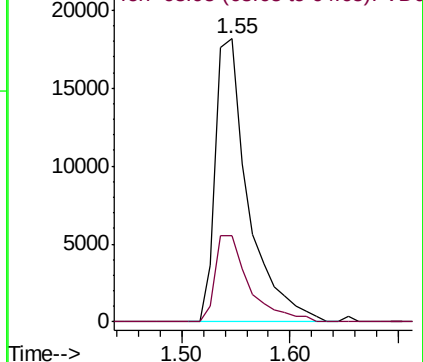
Ion Ratio Lower Upper

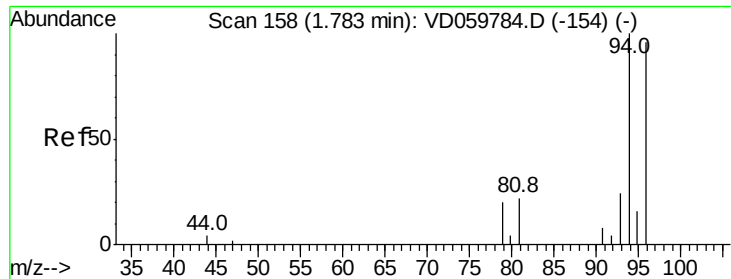
62 100

64 30.4 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.993 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

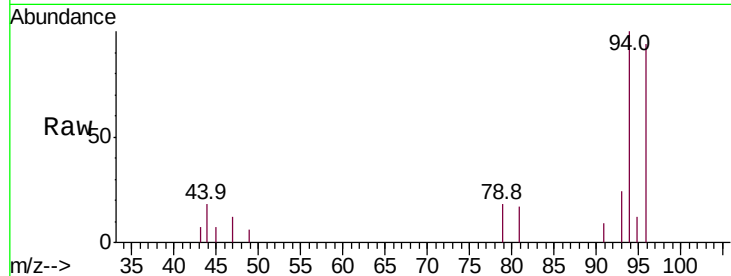
ClientSampleId :

Tot Ion: 94 Resp: 7667

Ion Ratio Lower Upper

94 100

96 94.3 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.77

5000

4000

3000

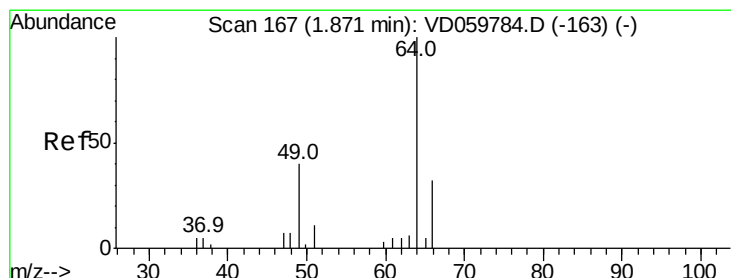
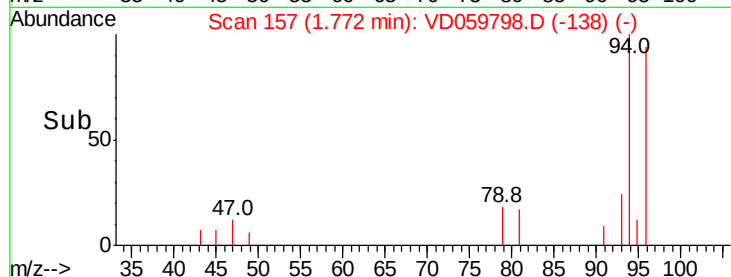
2000

1000

0

Time-->

1.70 1.75 1.80 1.85



#6

Chloroethane

Concen: 14.567 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059798.D

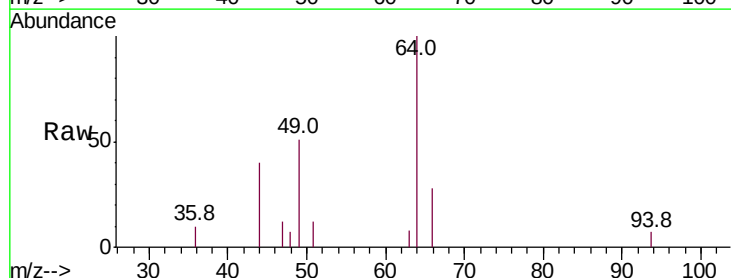
Acq: 15 Aug 2018 16:24

Tgt Ion: 64 Resp: 12199

Ion Ratio Lower Upper

64 100

66 27.9 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

5000

4000

3000

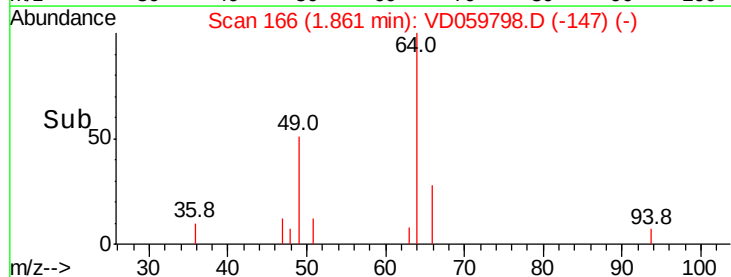
2000

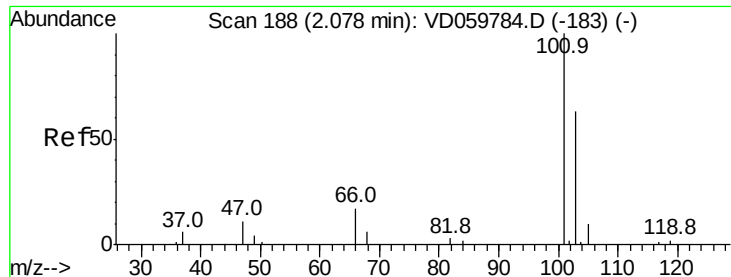
1000

0

Time-->

1.80 1.90 2.00



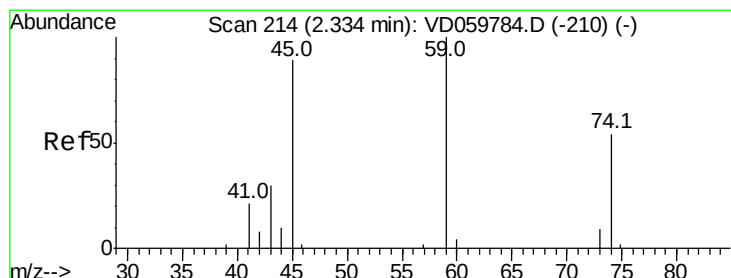
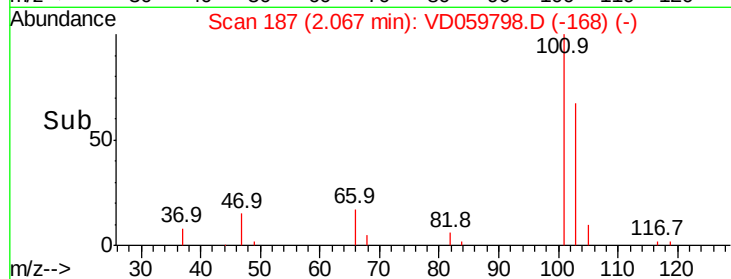
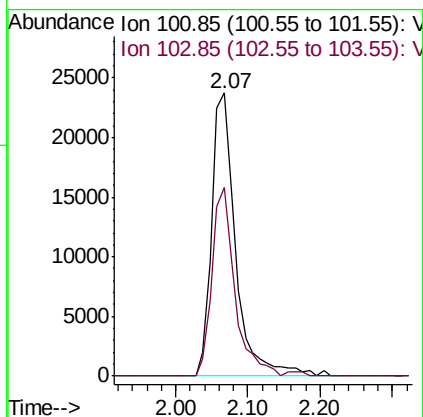
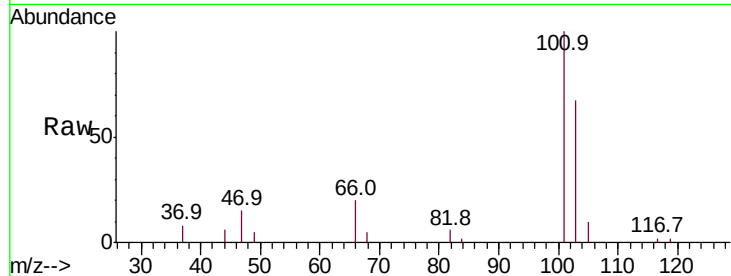


#7

Trichlorofluoromethane
Concen: 17.170 ug/l
RT: 2.07 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampled :

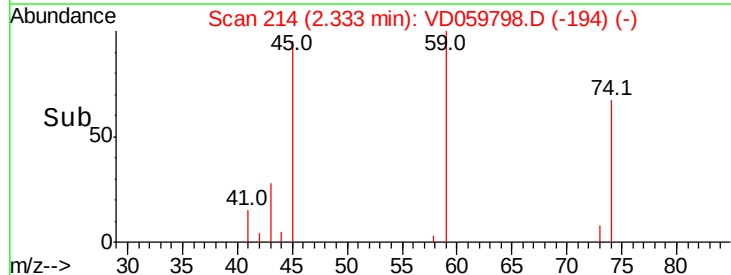
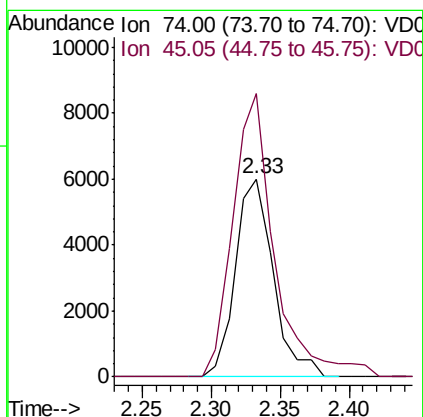
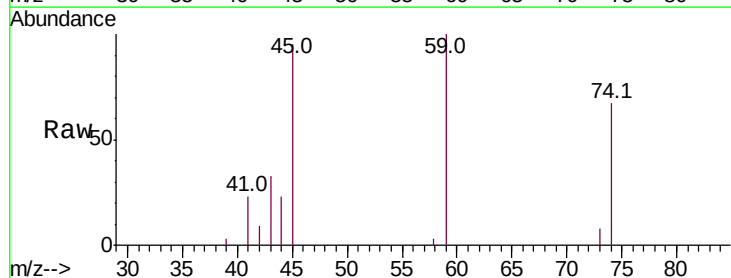
Tot Ion:101 Resp: 54140
Ion Ratio Lower Upper
101 100
103 66.6 50.4 75.6

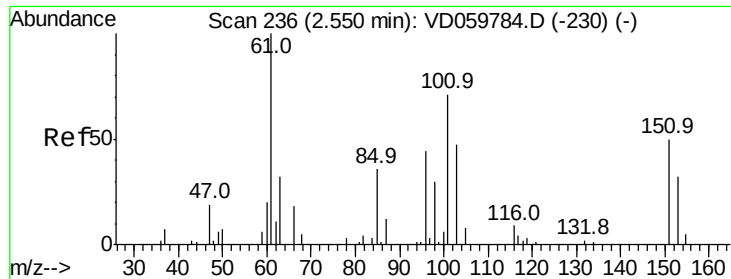


#8

Diethyl Ether
Concen: 18.956 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 74 Resp: 11500
Ion Ratio Lower Upper
74 100
45 143.1 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.140 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

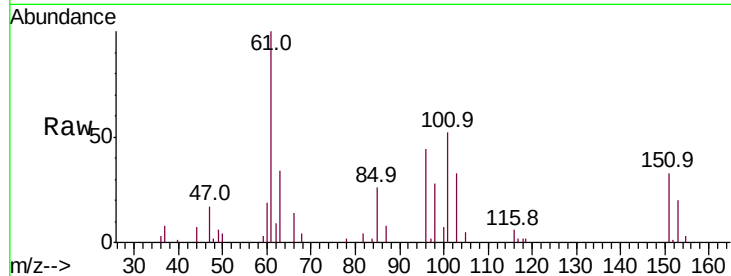
Tot Ion:101 Resp: 32078

Ion Ratio Lower Upper

101 100

85 50.1 40.6 61.0

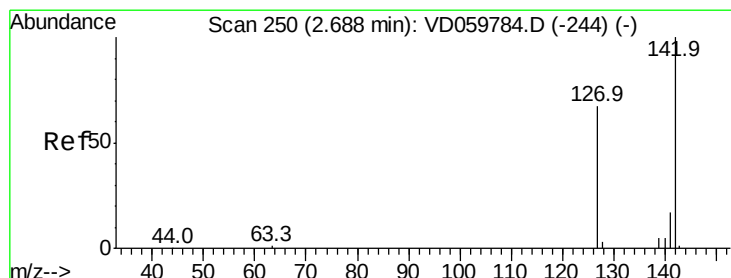
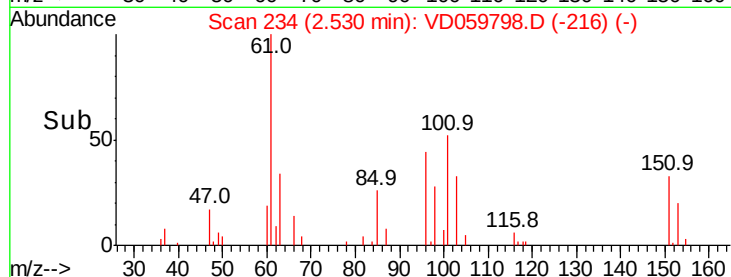
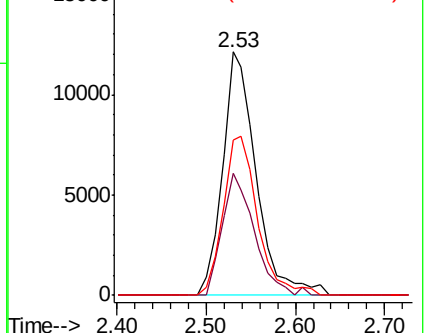
151 63.7 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.764 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

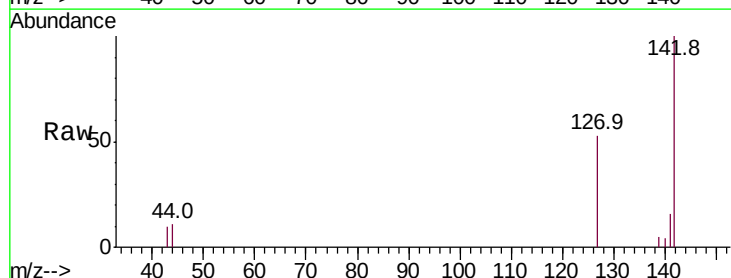
Tgt Ion:142 Resp: 29019

Ion Ratio Lower Upper

142 100

127 53.1 54.0 81.0#

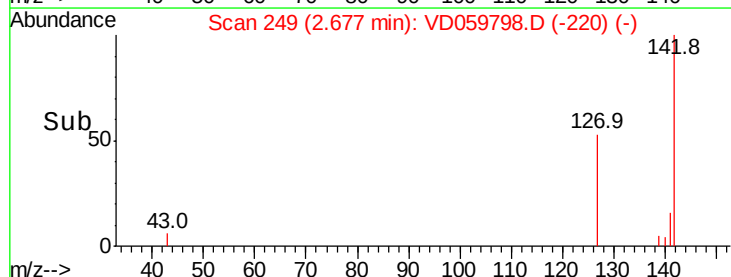
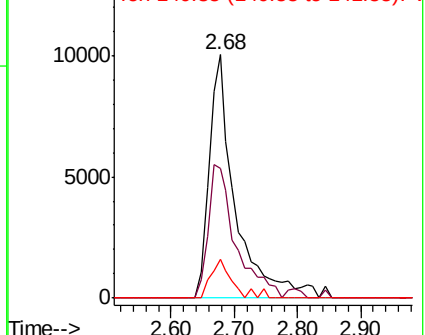
141 16.0 13.3 19.9

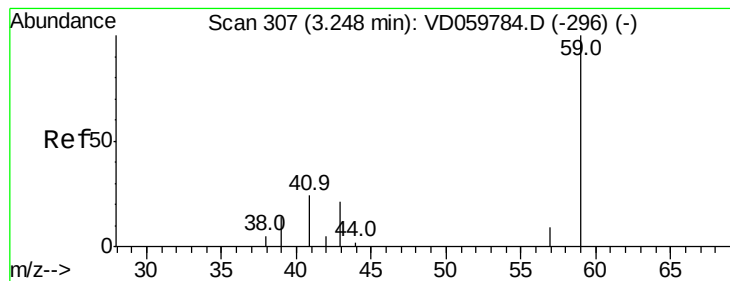


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



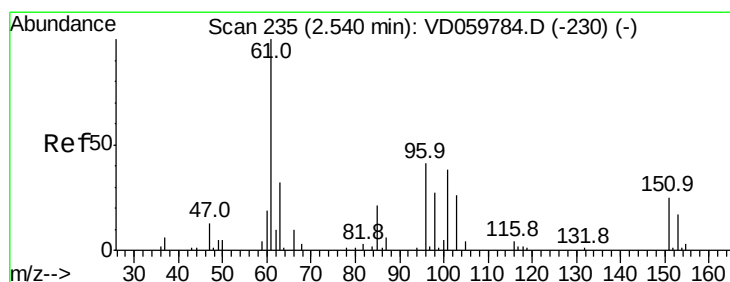
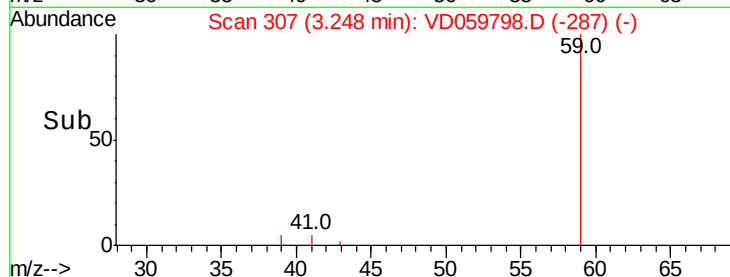
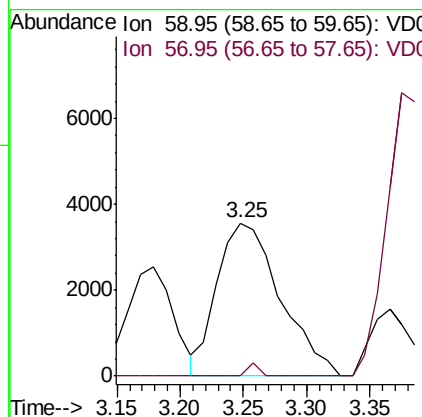
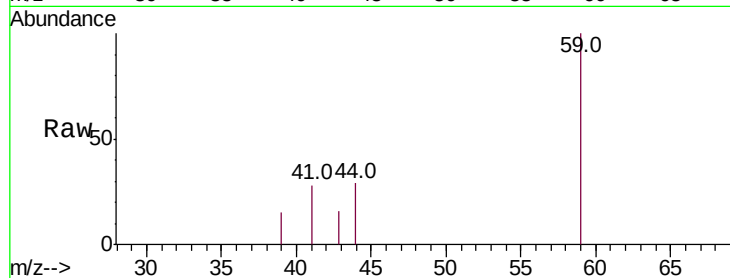


#11

Tert butyl alcohol
 Concen: 96.334 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Instrument :
 MSVOA_D
 ClientSampleId :

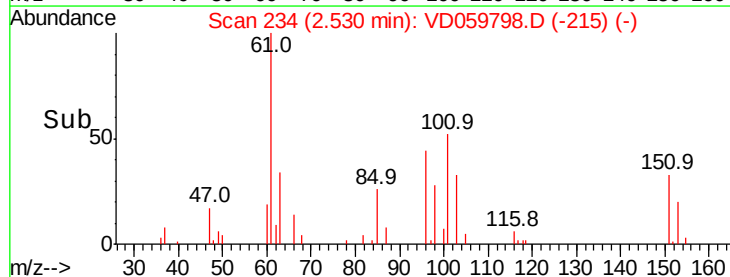
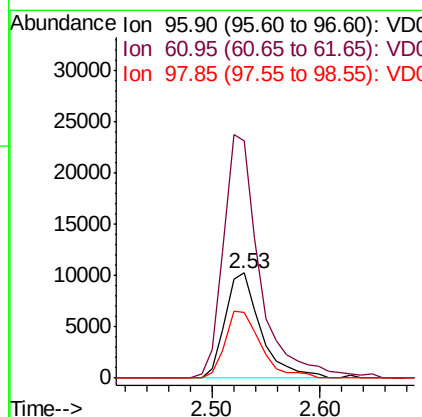
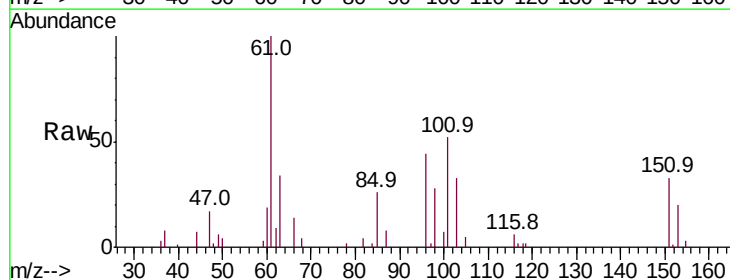
Tot Ion: 59 Resp: 12409
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

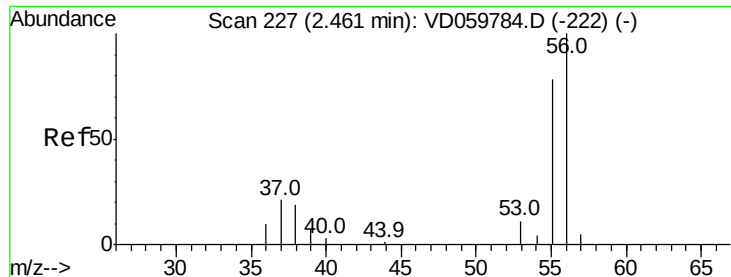


#12

1,1-Dichloroethene
 Concen: 18.301 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. -0.01 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion: 96 Resp: 23398
 Ion Ratio Lower Upper
 96 100
 61 226.1 194.1 291.1
 98 62.4 52.3 78.5





#13

Acrolein

Concen: 79.882 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

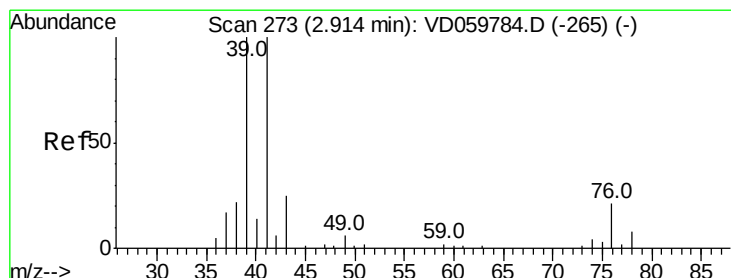
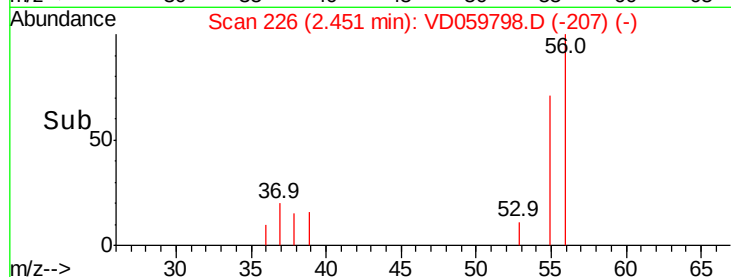
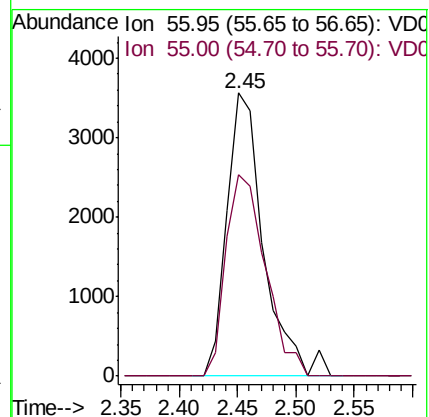
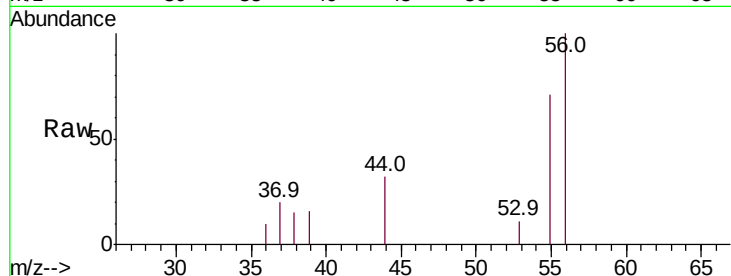
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7786

Ion Ratio Lower Upper

56 100

55 70.9 62.2 93.2



#14

Allyl chloride

Concen: 18.579 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

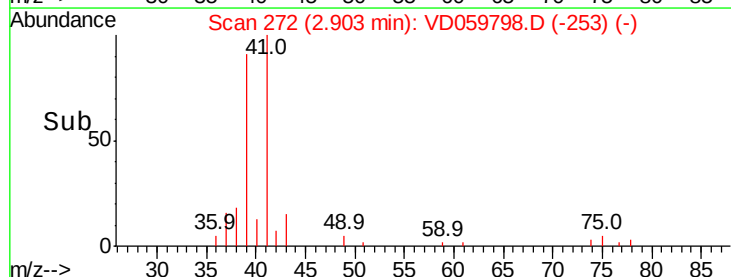
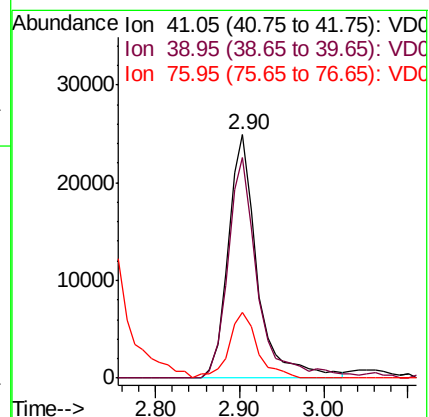
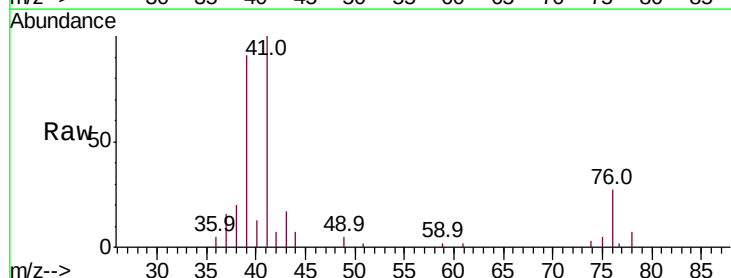
Tgt Ion: 41 Resp: 59689

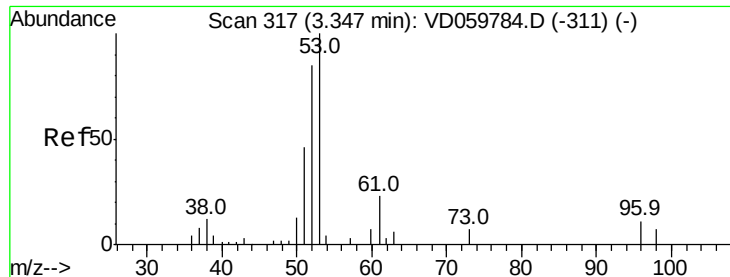
Ion Ratio Lower Upper

41 100

39 90.5 79.8 119.6

76 27.0 20.4 30.6





#15

Acrylonitrile

Concen: 80.083 ug/l

RT: 3.34 min Scan# 316

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampled :

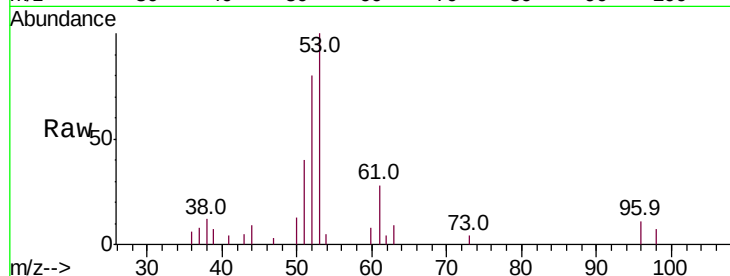
Tot Ion: 53 Resp: 36140

Ion Ratio Lower Upper

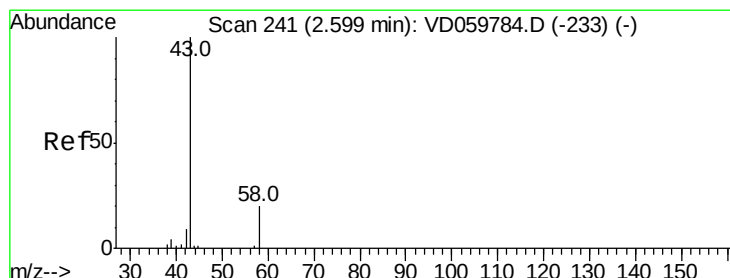
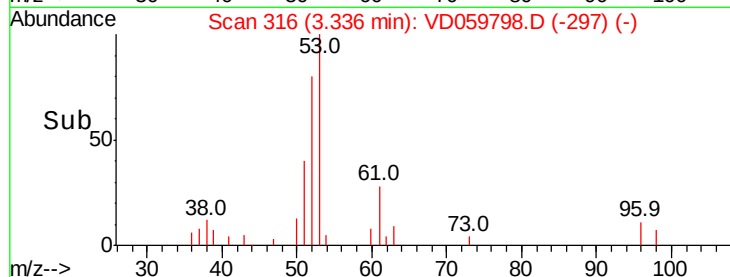
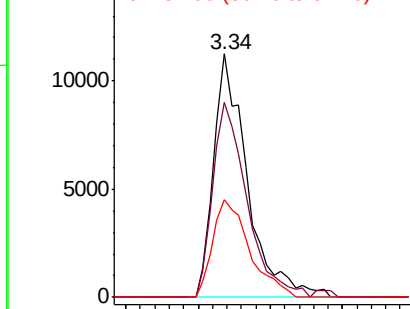
53 100

52 80.1 68.2 102.2

51 40.2 36.6 54.8



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



#16

Acetone

Concen: 96.162 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059798.D

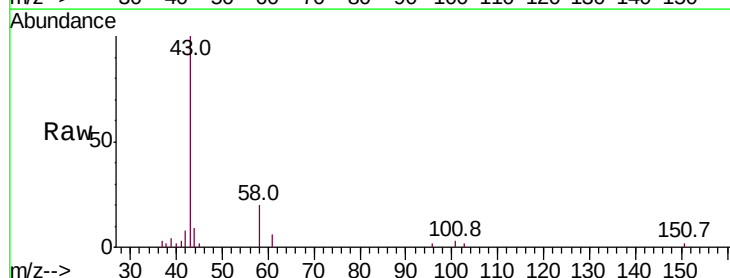
Acq: 15 Aug 2018 16:24

Tgt Ion: 43 Resp: 55252

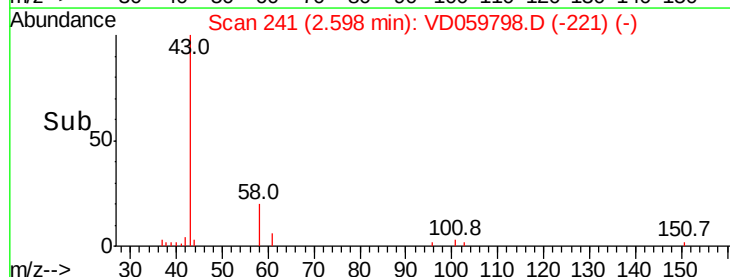
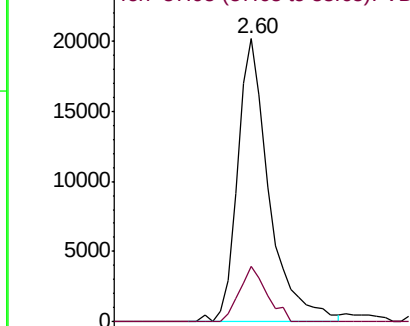
Ion Ratio Lower Upper

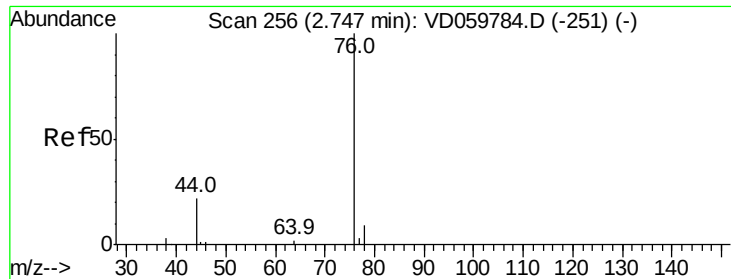
43 100

58 19.6 15.7 23.5



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

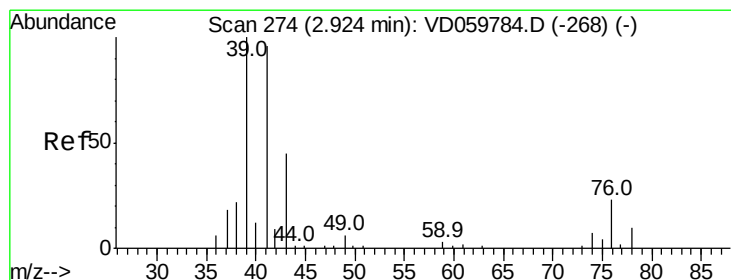
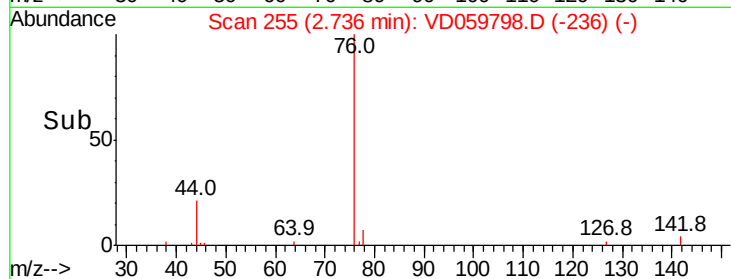
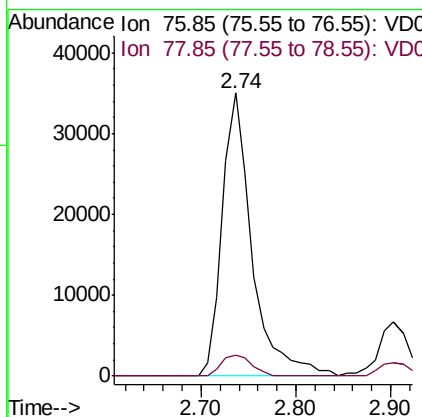
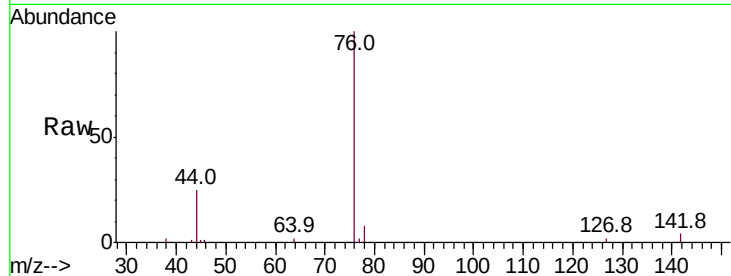




#17
Carbon Disulfide
Concen: 17.795 ug/l
RT: 2.74 min Scan# 255
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

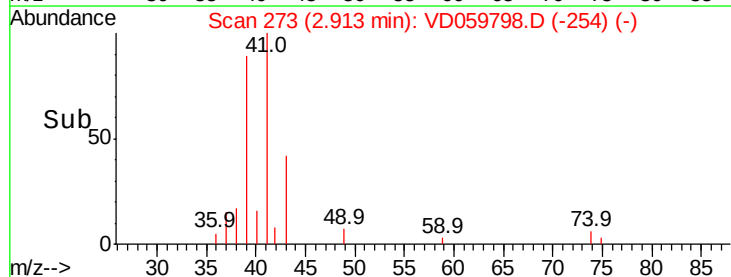
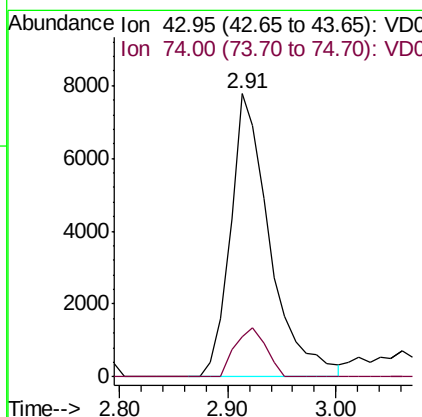
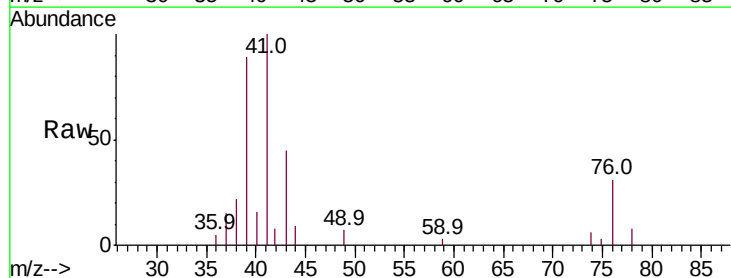
Instrument :
MSVOA_D
ClientSampleId :

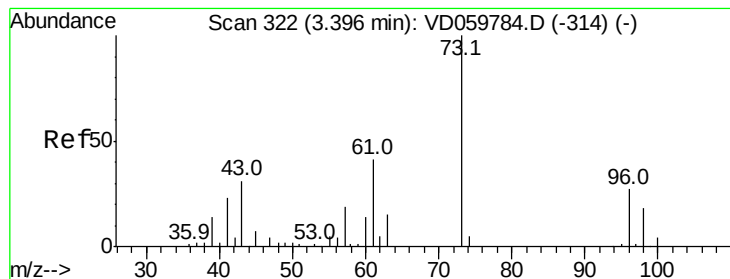
Tot Ion: 76 Resp: 76243
Ion Ratio Lower Upper
76 100
78 7.6 6.9 10.3



#18
Methyl Acetate
Concen: 15.955 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 43 Resp: 19592
Ion Ratio Lower Upper
43 100
74 14.3 12.4 18.6



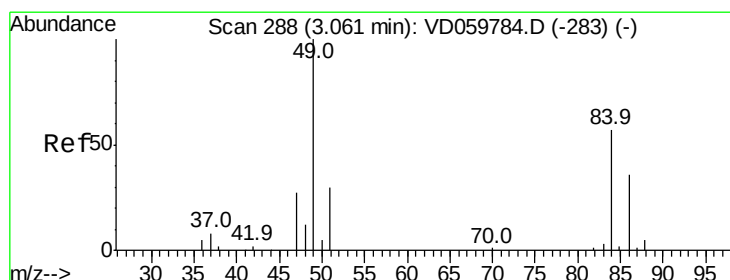
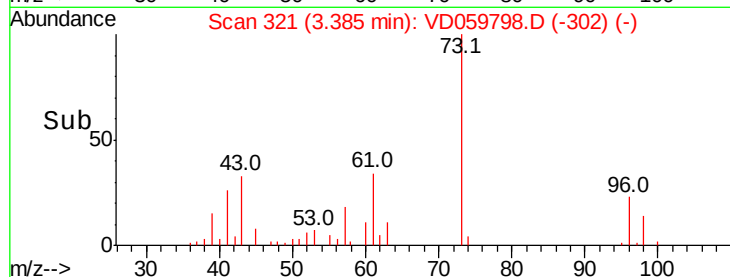
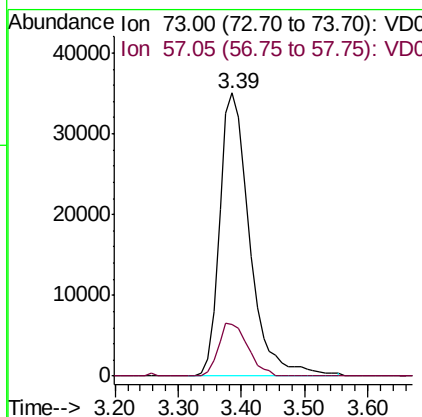
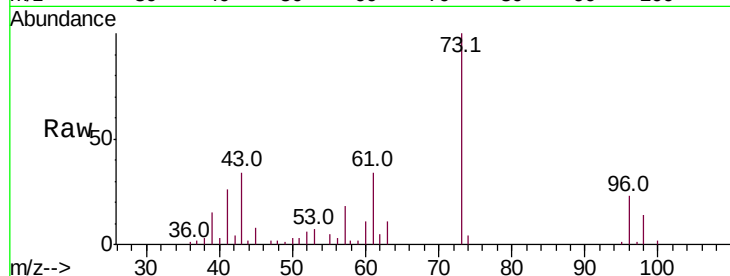


#19

Methyl tert-butyl Ether
 Concen: 18.595 ug/l
 RT: 3.39 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Instrument :
 MSVOA_D
 ClientSampleId :

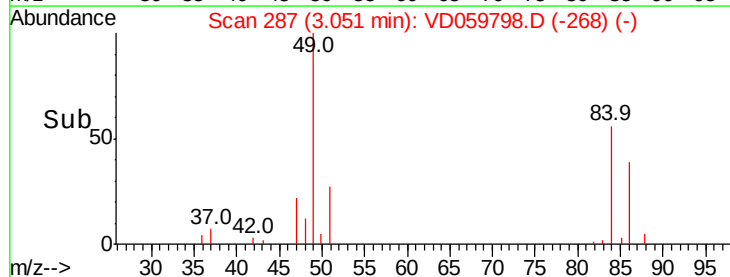
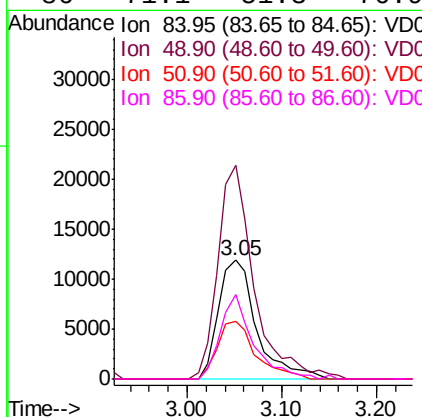
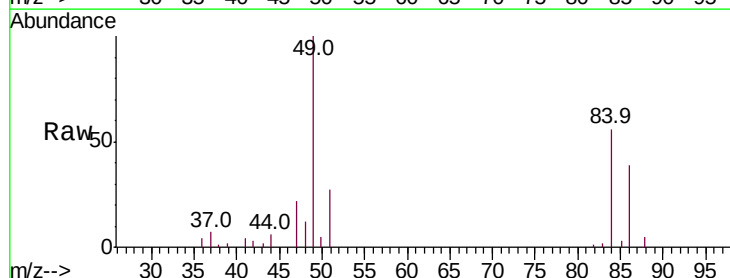
Tot Ion: 73 Resp: 116042
 Ion Ratio Lower Upper
 73 100
 57 18.3 14.8 22.2

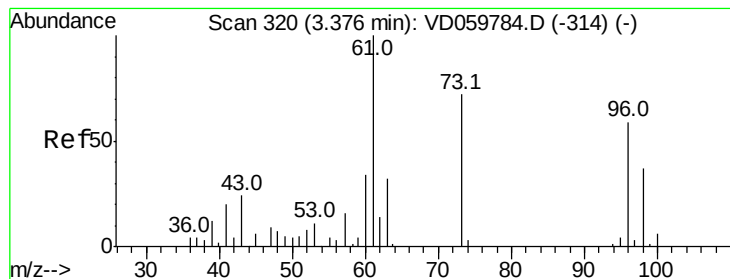


#20

Methylene Chloride
 Concen: 19.410 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion: 84 Resp: 33167
 Ion Ratio Lower Upper
 84 100
 49 180.1 140.9 211.3
 51 48.1 42.8 64.2
 86 71.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 16.600 ug/l

RT: 3.37 min Scan# 319

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

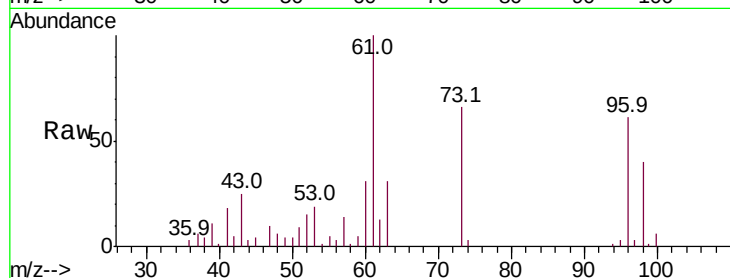
Tot Ion: 96 Resp: 41820

Ion Ratio Lower Upper

96 100

61 164.5 134.8 202.2

98 65.6 50.0 75.0



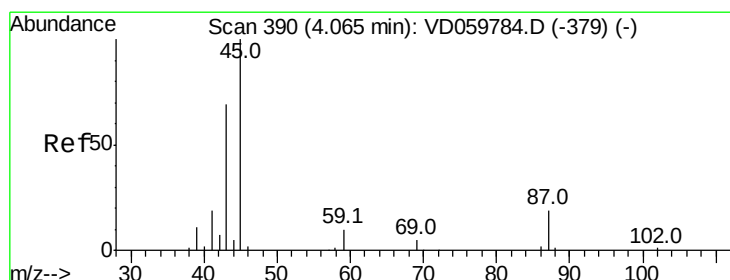
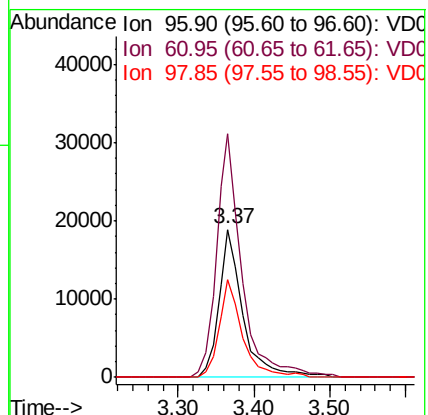
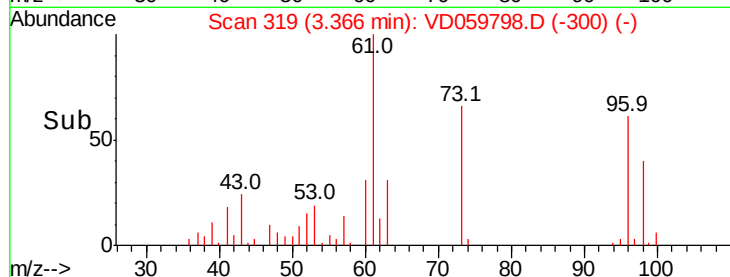
Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

Time-->



#22

Diisopropyl ether

Concen: 18.925 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Tgt Ion: 45 Resp: 164024

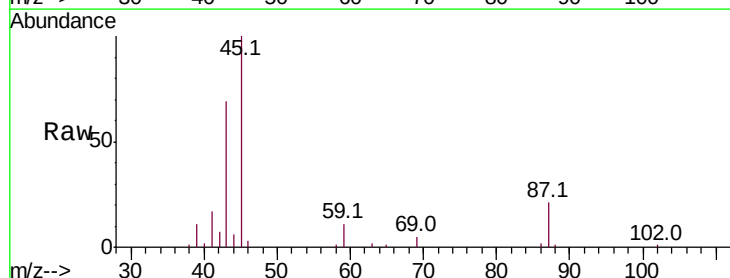
Ion Ratio Lower Upper

45 100

43 68.5 57.5 86.3

87 21.0 16.1 24.1

59 11.0 8.4 12.6



Abundance

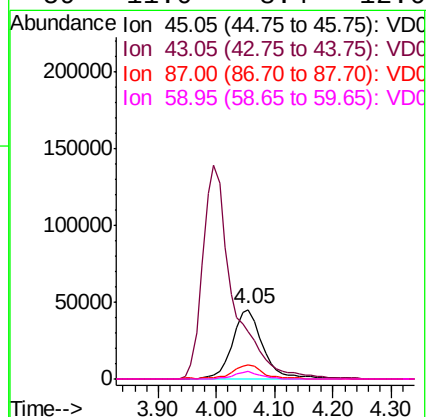
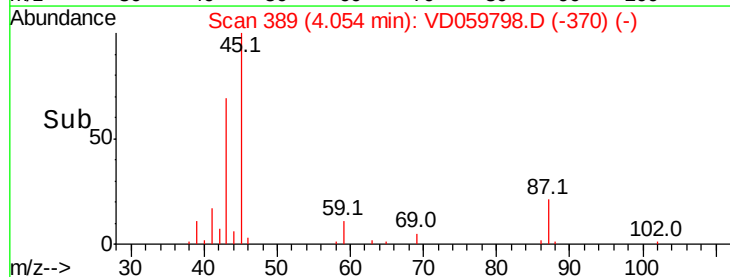
Ion 45.05 (44.75 to 45.75): VDC

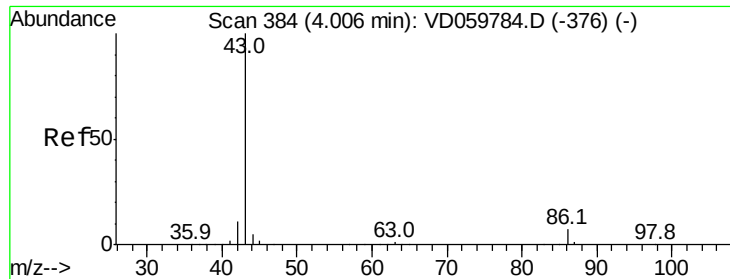
Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

Time-->





#23

Vinyl Acetate

Concen: 101.395 ug/l

RT: 4.00 min Scan# 383

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

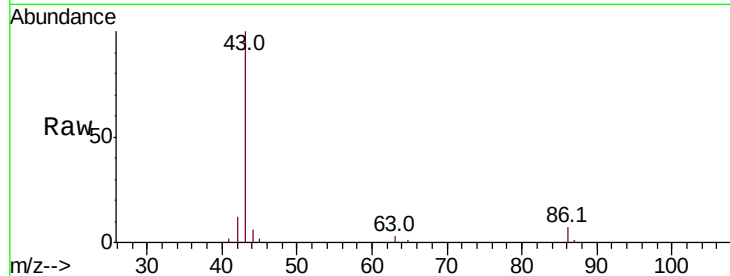
ClientSampleId :

Tot Ion: 43 Resp: 497682

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

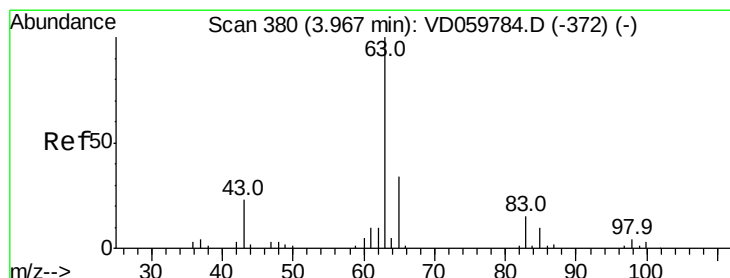
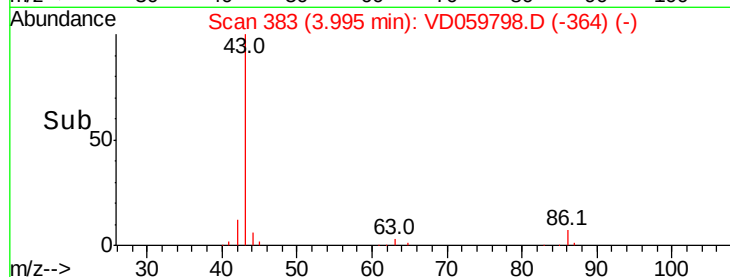
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.226 ug/l

RT: 3.95 min Scan# 378

Delta R.T. -0.02 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

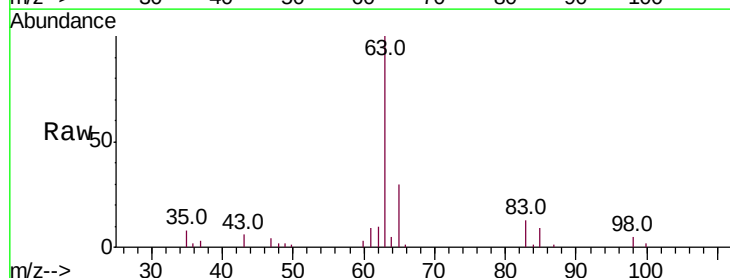
Tgt Ion: 63 Resp: 98855

Ion Ratio Lower Upper

63 100

98 5.1 2.2 6.6

100 2.3 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

40000

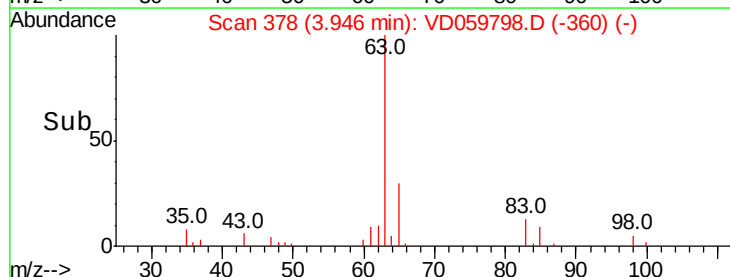
30000

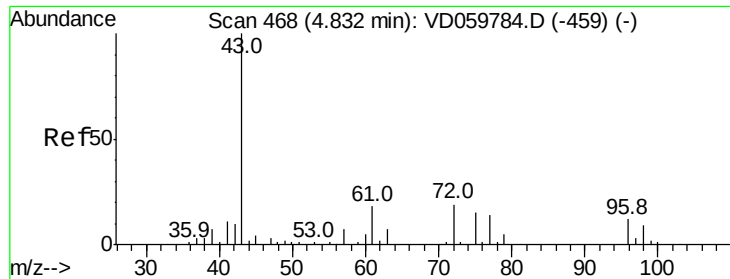
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.162 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

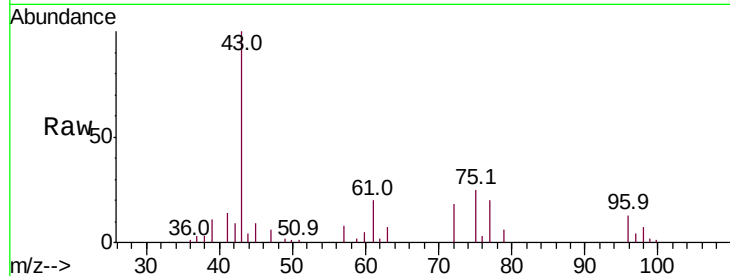
ClientSampled :

Tot Ion: 43 Resp: 75770

Ion Ratio Lower Upper

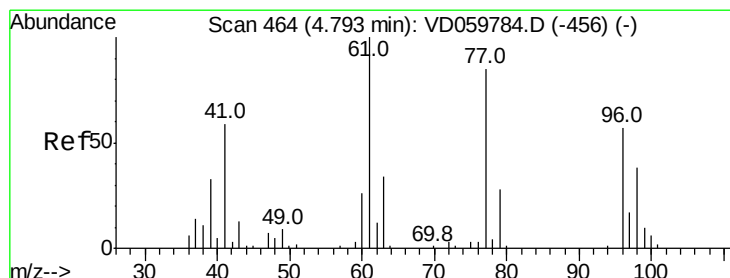
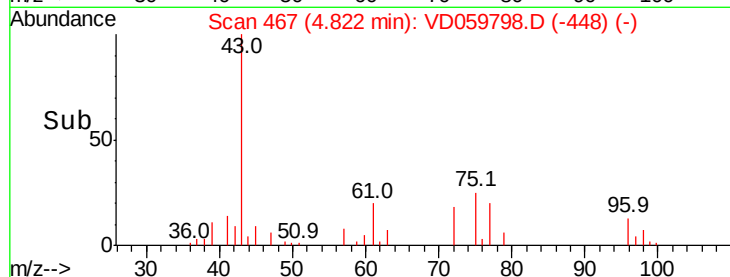
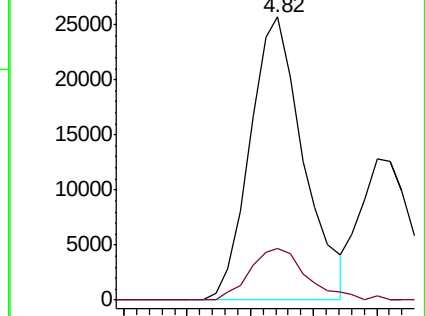
43 100

72 18.1 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.489 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059798.D

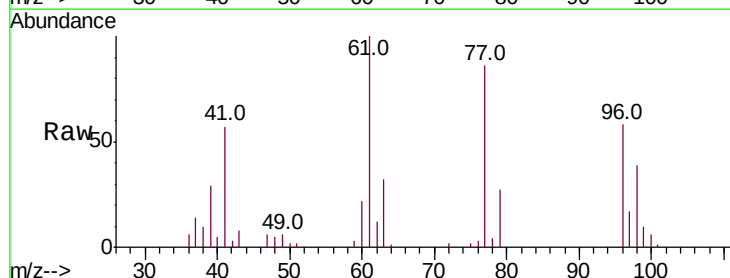
Acq: 15 Aug 2018 16:24

Tgt Ion: 77 Resp: 96332

Ion Ratio Lower Upper

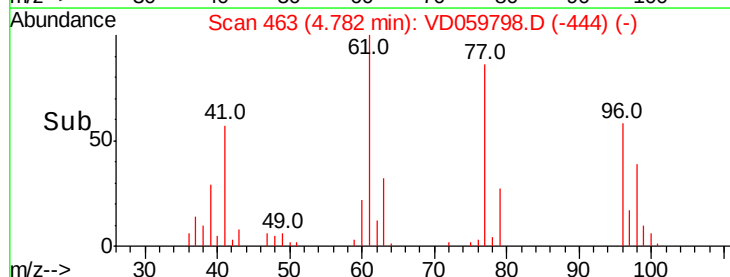
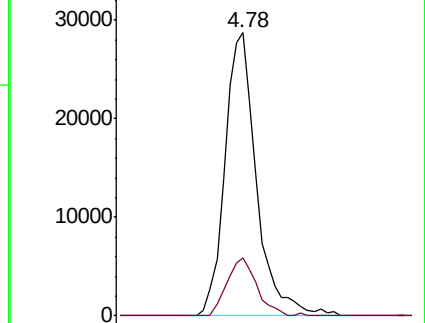
77 100

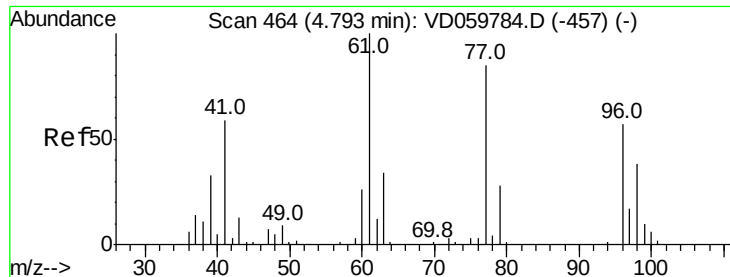
97 20.4 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



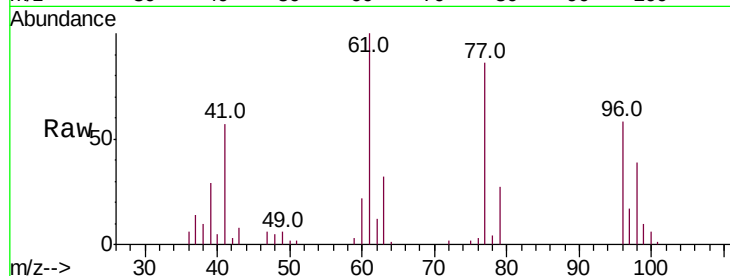


#27

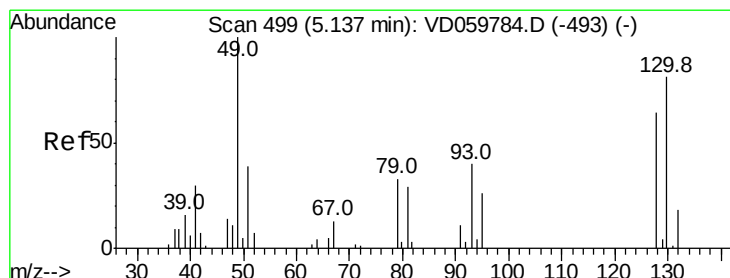
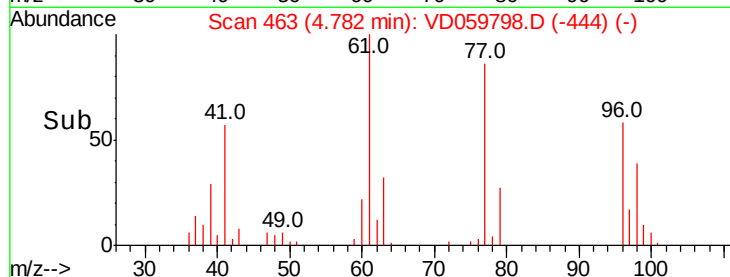
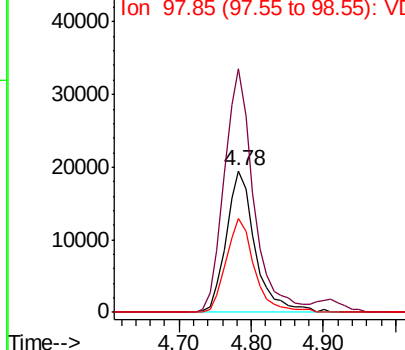
cis-1,2-Dichloroethene
Concen: 19.530 ug/l
RT: 4.78 min Scan# 463
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 53908
Ion Ratio Lower Upper
96 100
61 172.2 0.0 351.6
98 66.7 0.0 135.2



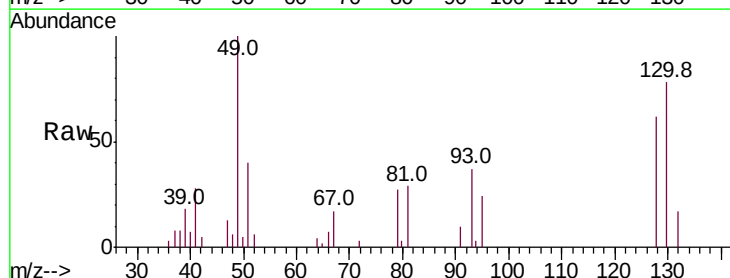
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



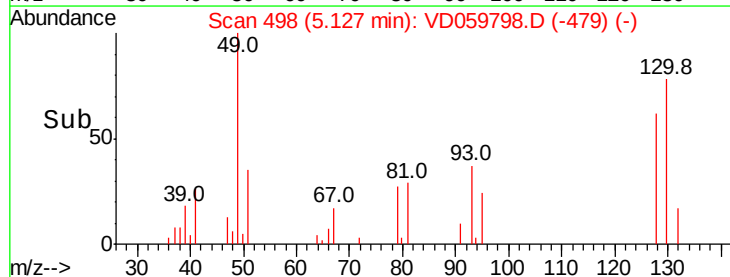
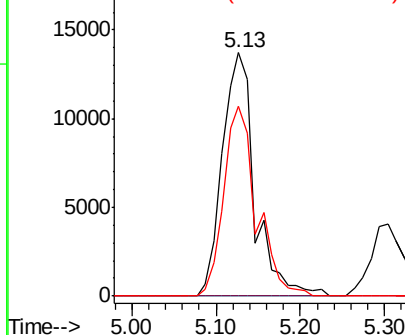
#28

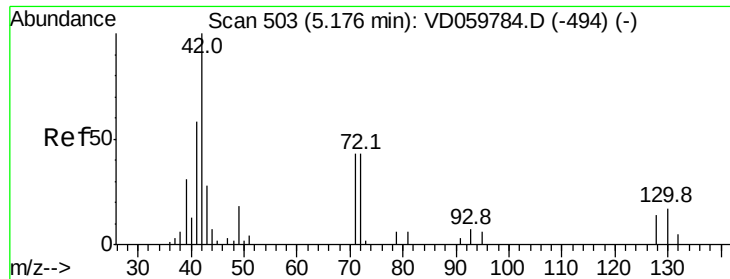
Bromochloromethane
Concen: 18.118 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 49 Resp: 36552
Ion Ratio Lower Upper
49 100
129 0.0 0.0 7.0
130 77.9 64.8 97.2



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

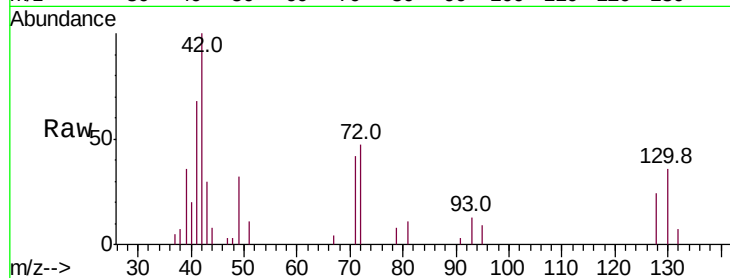




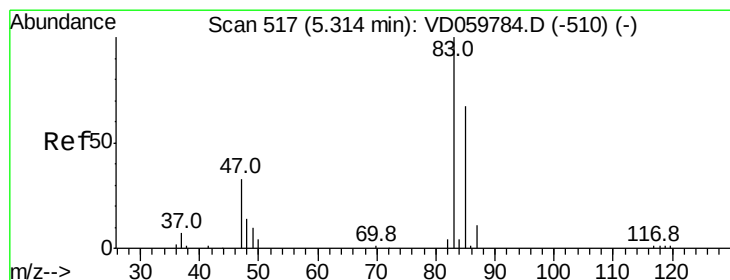
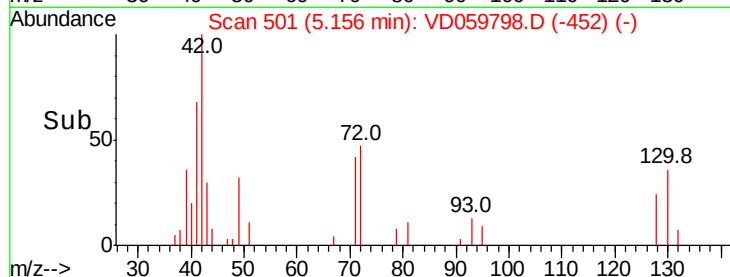
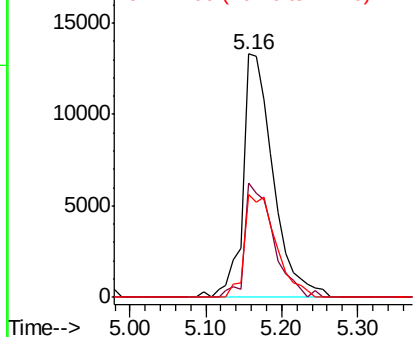
#29
Tetrahydrofuran
Concen: 98.312 ug/l
RT: 5.16 min Scan# 501
Delta R.T. -0.02 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 36886
Ion Ratio Lower Upper
42 100
72 44.3 34.3 51.5
71 43.9 33.0 49.6

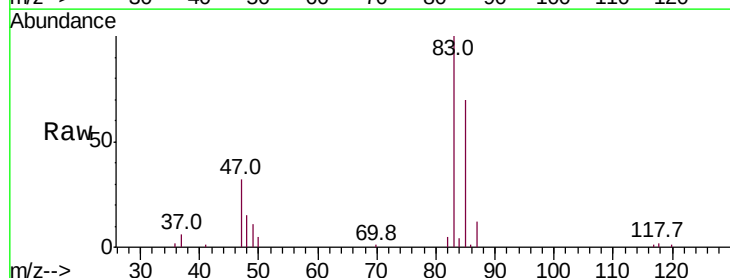


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

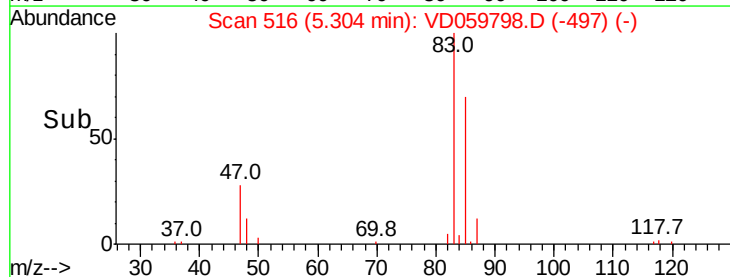
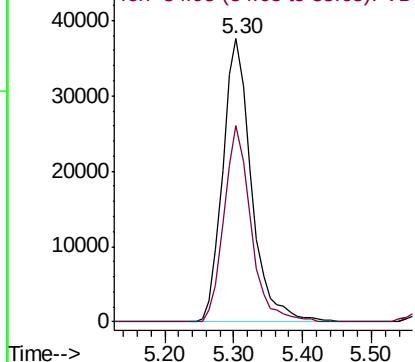


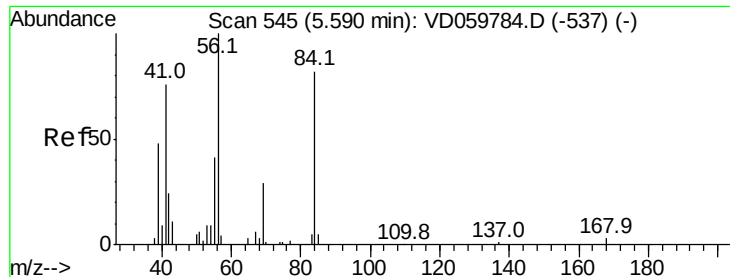
#30
Chloroform
Concen: 17.539 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 83 Resp: 108283
Ion Ratio Lower Upper
83 100
85 69.6 53.4 80.2



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

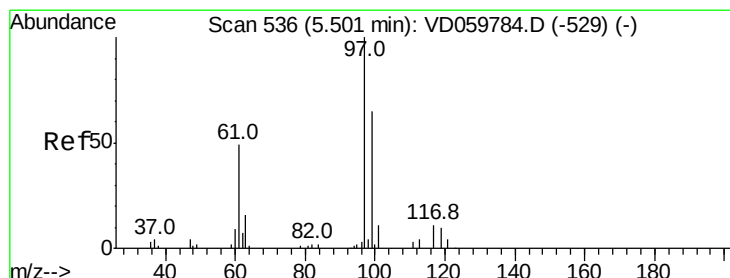
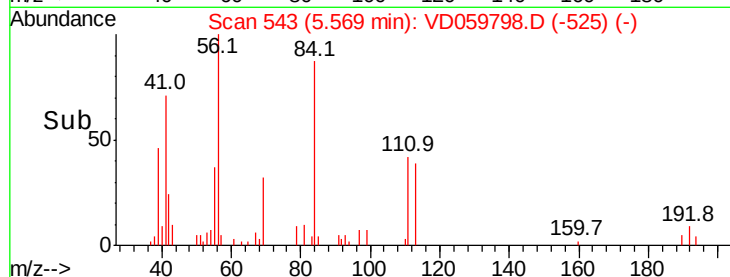
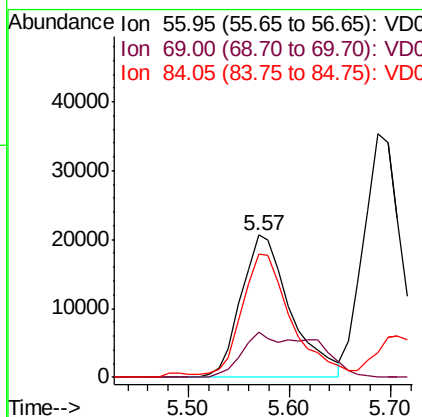
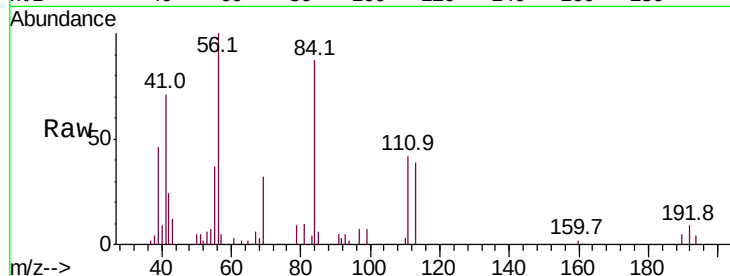




#31
Cyclohexane
Concen: 19.062 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.02 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

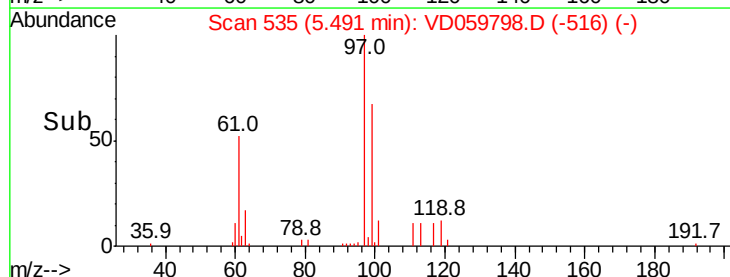
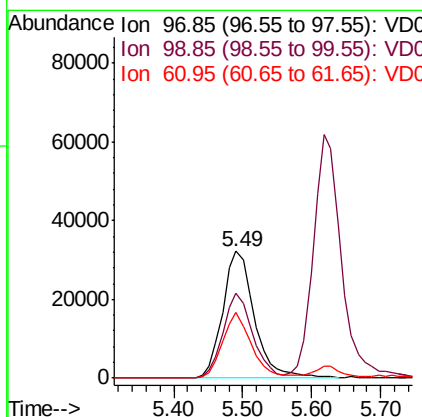
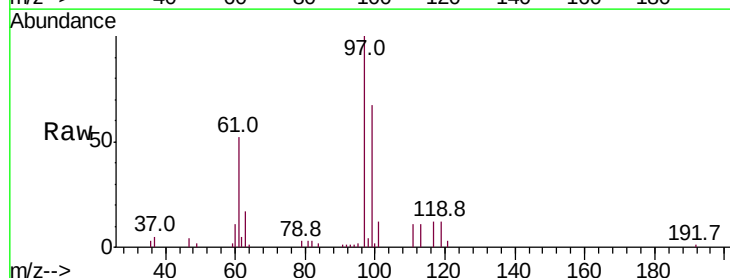
Instrument :
MSVOA_D
ClientSampleId :

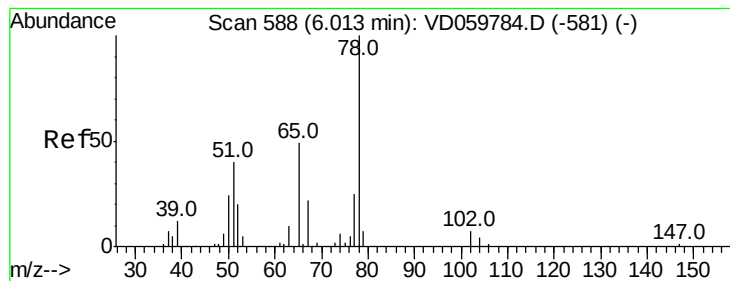
Tot Ion: 56 Resp: 70490
Ion Ratio Lower Upper
56 100
69 31.6 23.4 35.2
84 86.7 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 18.816 ug/l
RT: 5.49 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 97 Resp: 102139
Ion Ratio Lower Upper
97 100
99 66.6 52.2 78.2
61 51.9 39.6 59.4



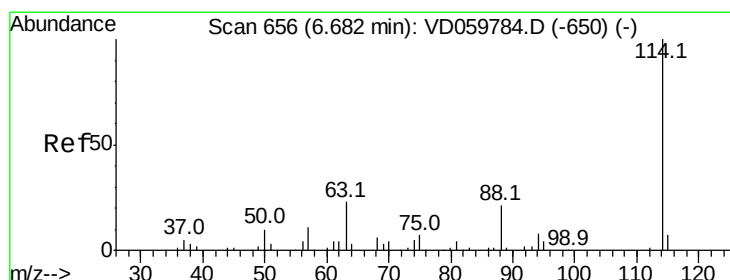
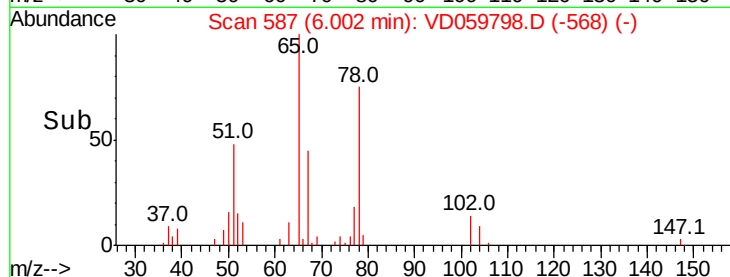
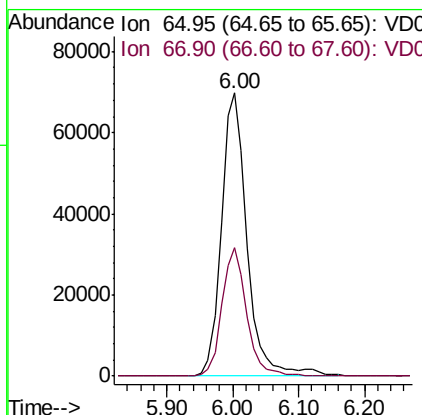
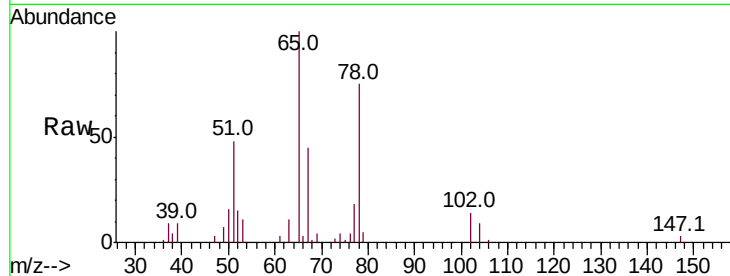


#33

1,2-Dichloroethane-d4
Concen: 18.816 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampled :

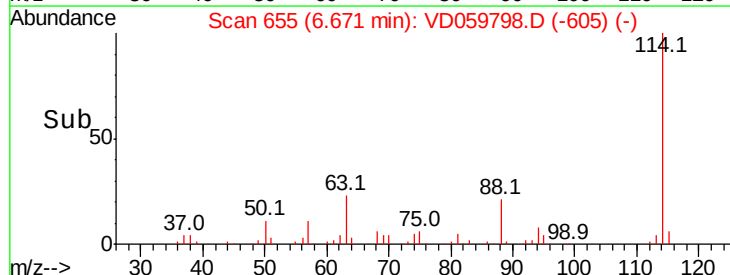
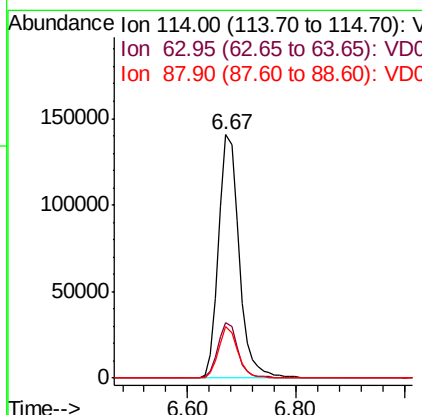
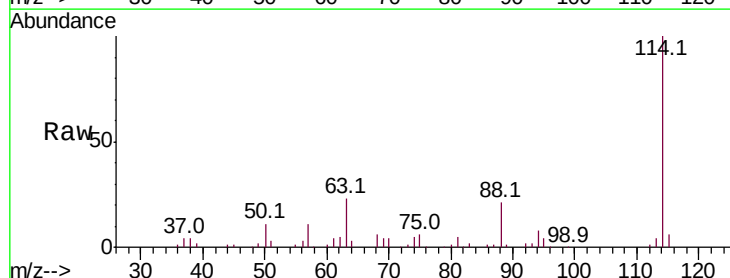
Tot Ion: 65 Resp: 188977
Ion Ratio Lower Upper
65 100
67 45.2 0.0 87.8

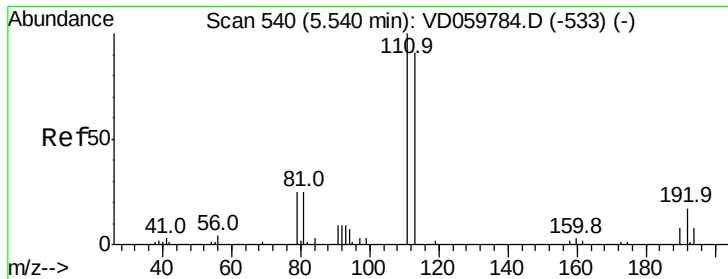


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.67 min Scan# 655
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 114 Resp: 367971
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 21.4 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

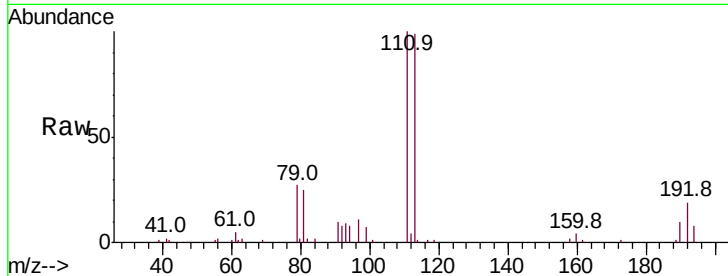
Tot Ion:113 Resp: 171265

Ion Ratio Lower Upper

113 100

111 101.2 87.7 131.5

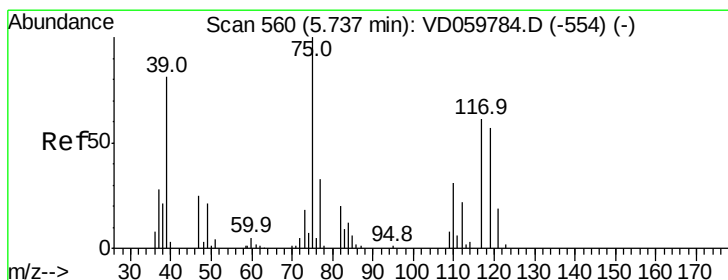
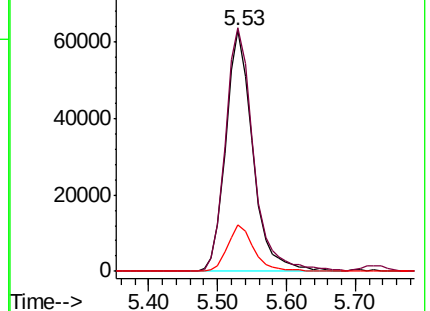
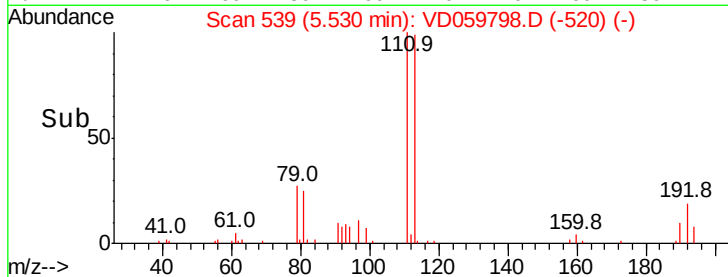
192 19.4 14.6 21.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.251 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

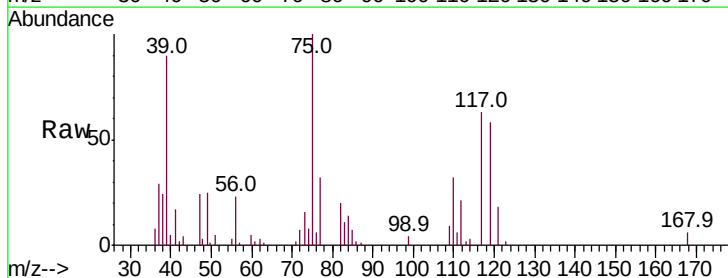
Tgt Ion: 75 Resp: 72677

Ion Ratio Lower Upper

75 100

110 32.5 15.3 45.8

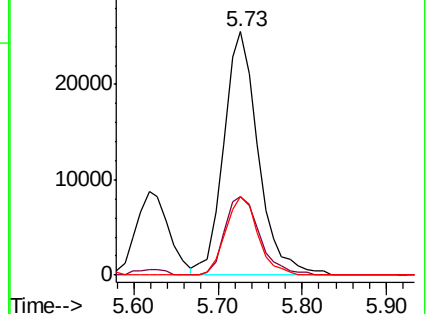
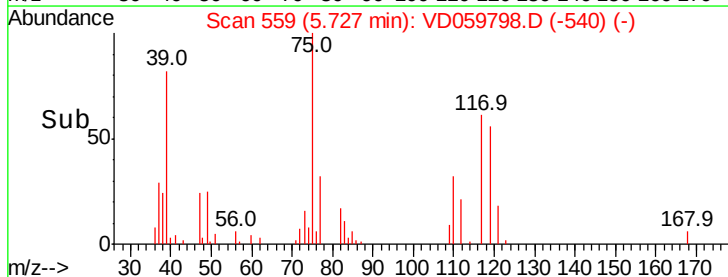
77 32.2 26.2 39.4

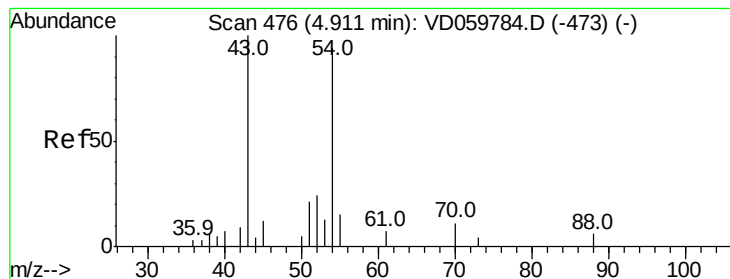


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.376 ug/l

RT: 4.90 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

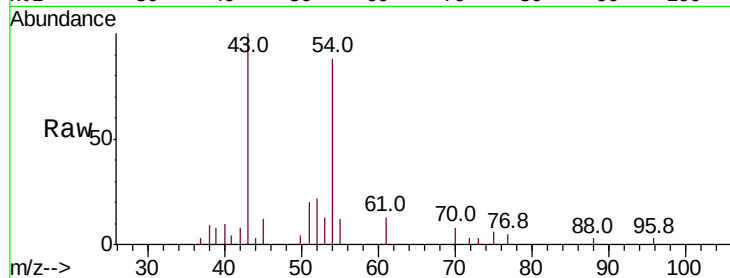
Tot Ion: 43 Resp: 40362

Ion Ratio Lower Upper

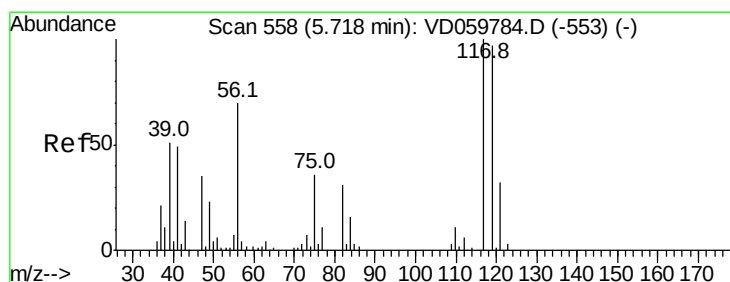
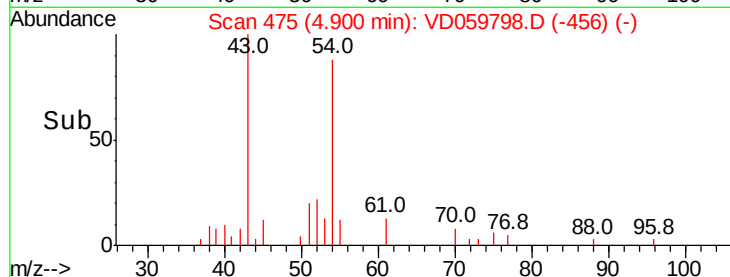
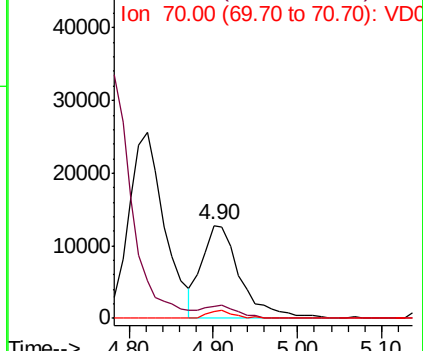
43 100

61 12.6 10.2 15.2

70 7.9 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.918 ug/l

RT: 5.71 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

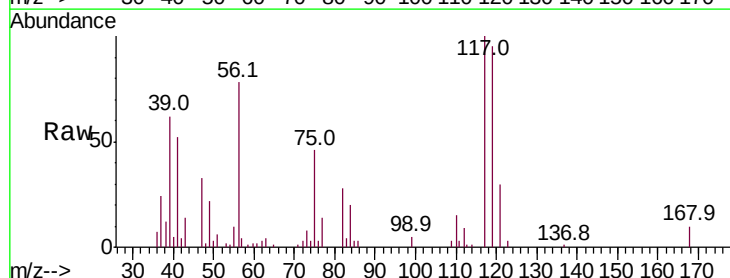
Tgt Ion: 117 Resp: 90723

Ion Ratio Lower Upper

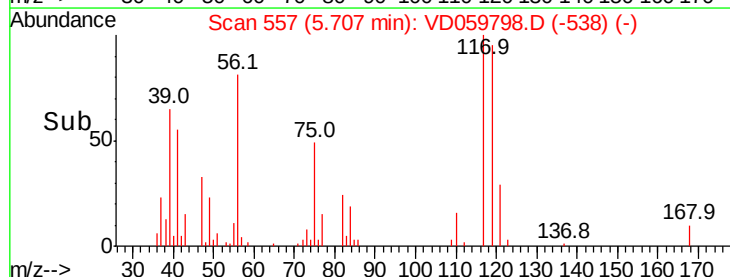
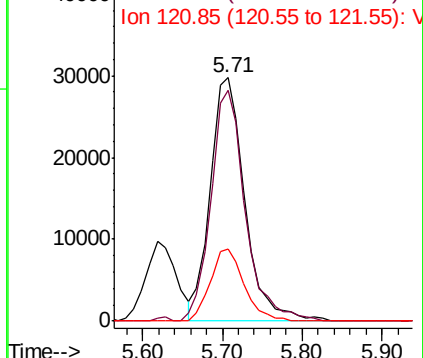
117 100

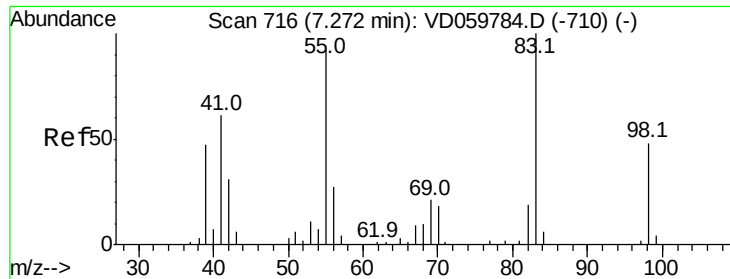
119 94.5 75.7 113.5

121 29.8 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

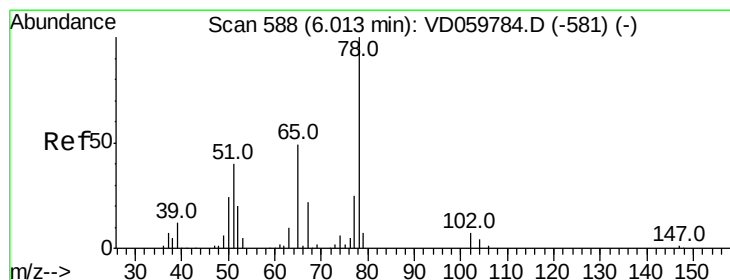
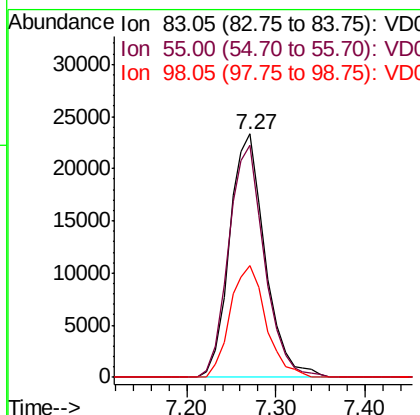
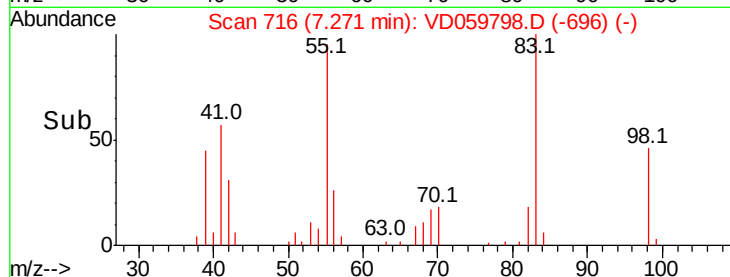
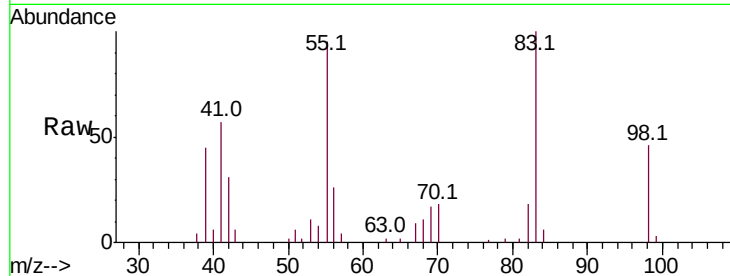




#39
Methylvlcyclohexane
Concen: 19.804 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

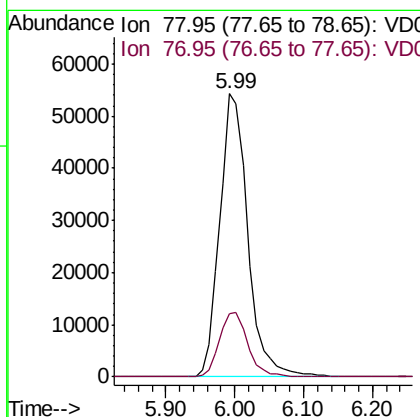
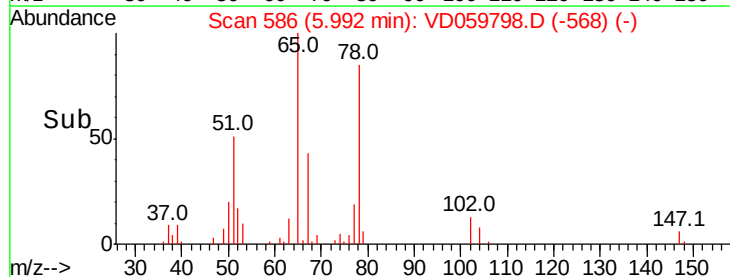
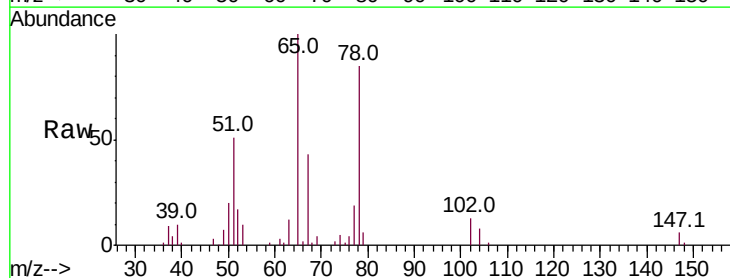
Instrument :
MSVOA_D
ClientSampleId :

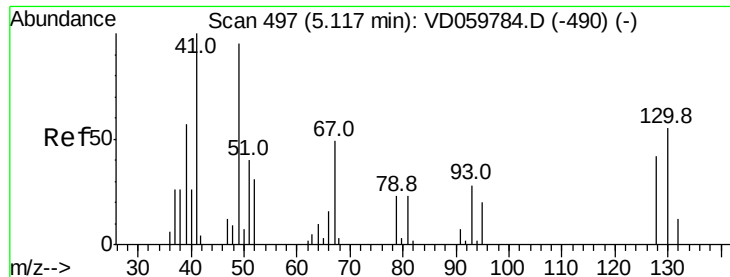
Tot Ion: 83 Resp: 64676
Ion Ratio Lower Upper
83 100
55 95.1 73.8 110.6
98 46.1 38.4 57.6



#40
Benzene
Concen: 19.109 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.02 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 78 Resp: 153025
Ion Ratio Lower Upper
78 100
77 22.1 19.6 29.4





#41

Methacrylonitrile

Concen: 23.149 ug/l

RT: 5.11 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 20912

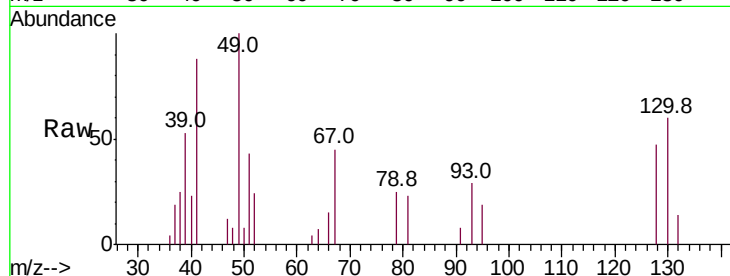
Ion Ratio Lower Upper

41 100

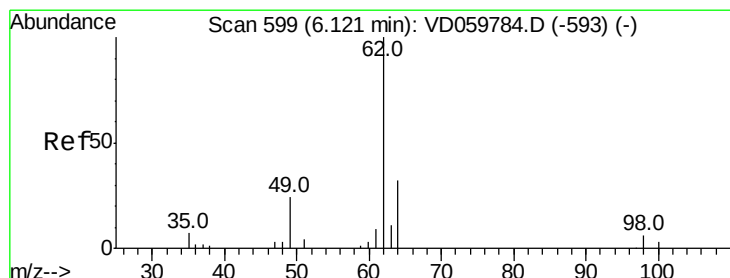
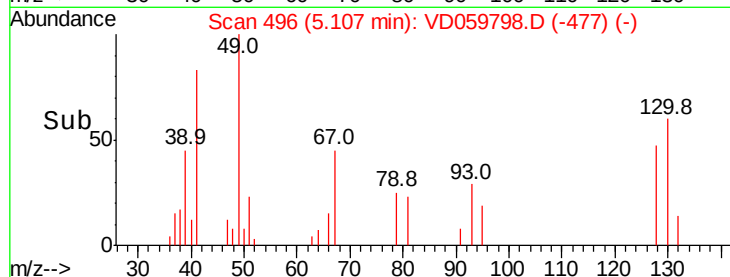
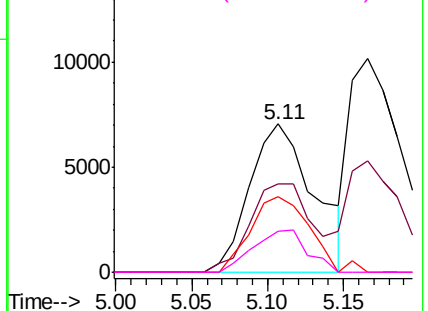
39 59.7 45.4 68.2

67 51.3 39.5 59.3

52 27.4 24.8 37.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.212 ug/l

RT: 6.11 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD059798.D

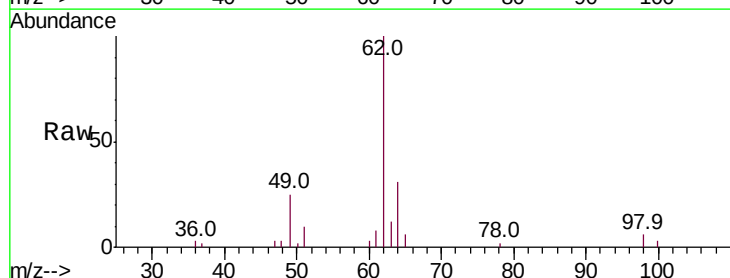
Acq: 15 Aug 2018 16:24

Tgt Ion: 62 Resp: 83260

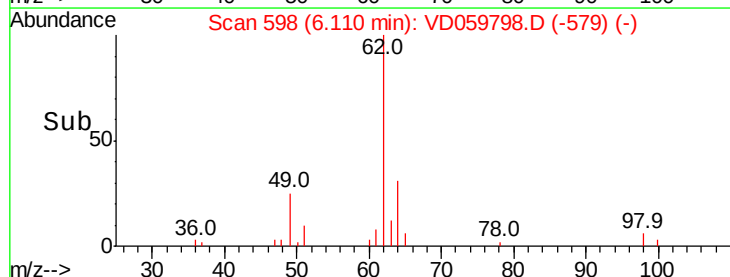
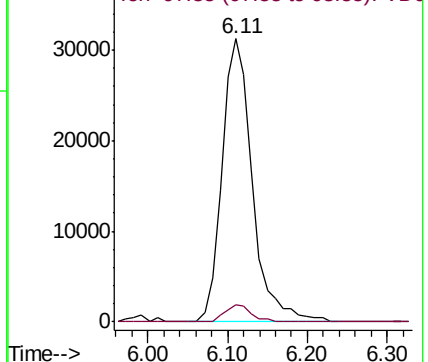
Ion Ratio Lower Upper

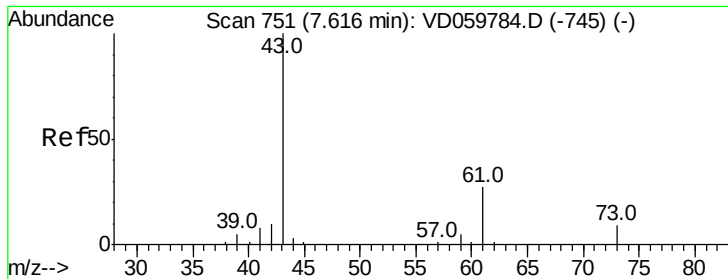
62 100

98 5.9 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



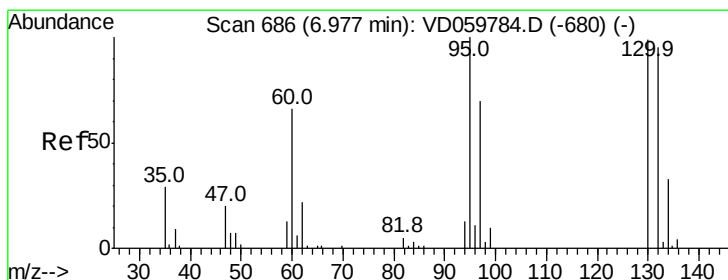
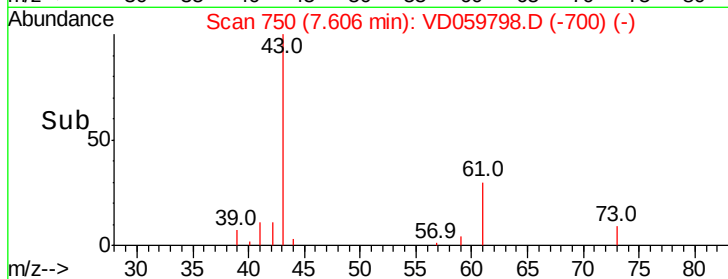
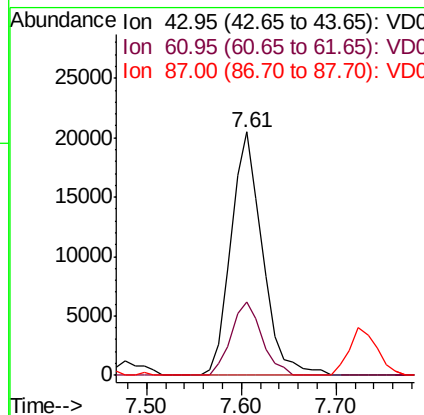
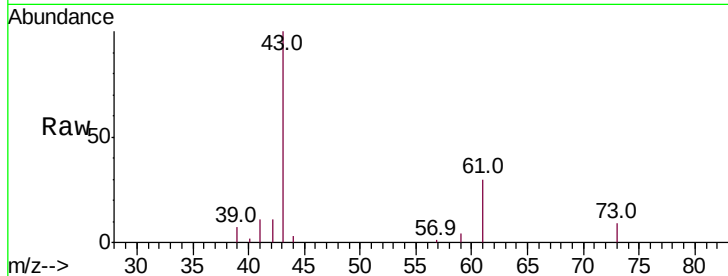


#43

Isopropyl Acetate
 Concen: 19.699 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Instrument :
 MSVOA_D
 ClientSampleID :

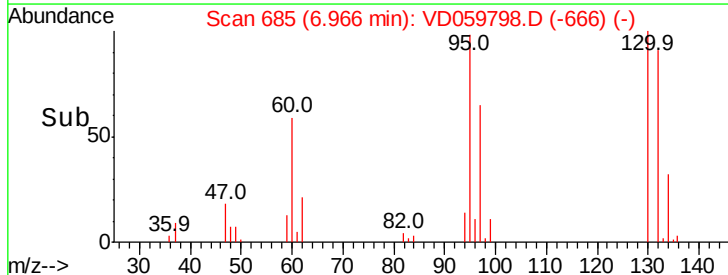
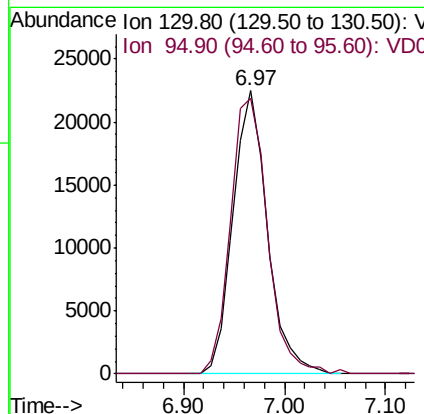
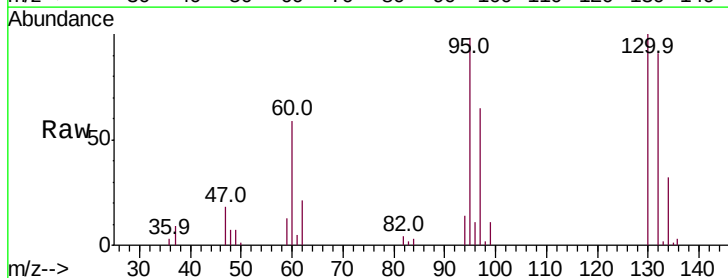
Tot Ion: 43 Resp: 46971
 Ion Ratio Lower Upper
 43 100
 61 30.3 21.2 31.8
 87 0.0 0.0 0.0

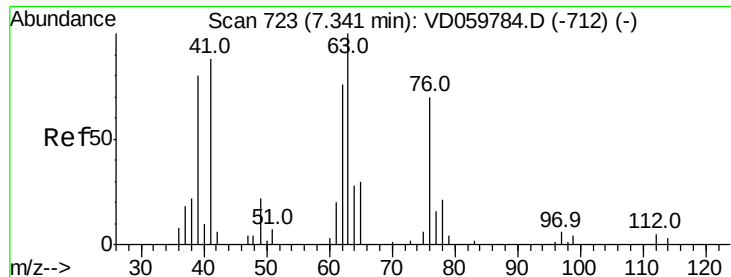


#44

Trichloroethene
 Concen: 19.423 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion:130 Resp: 53260
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 201.2





#45

1,2-Dichloropropane

Concen: 20.148 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

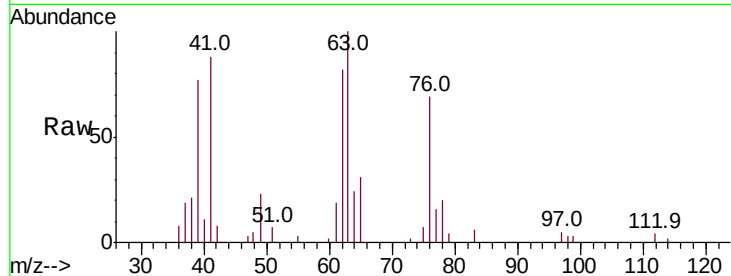
ClientSampleId :

Tot Ion: 63 Resp: 41937

Ion Ratio Lower Upper

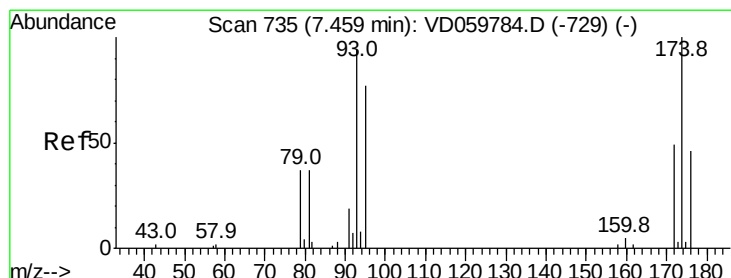
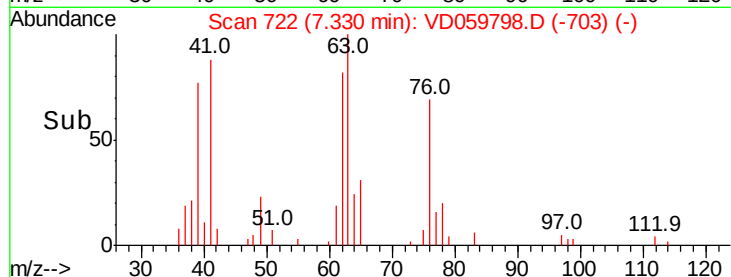
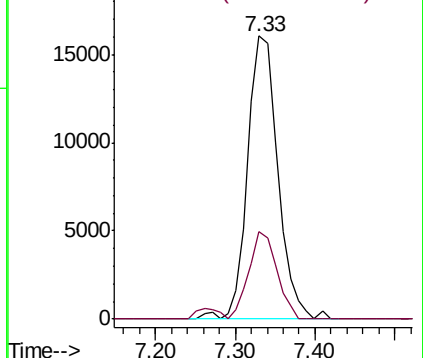
63 100

65 31.1 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.574 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

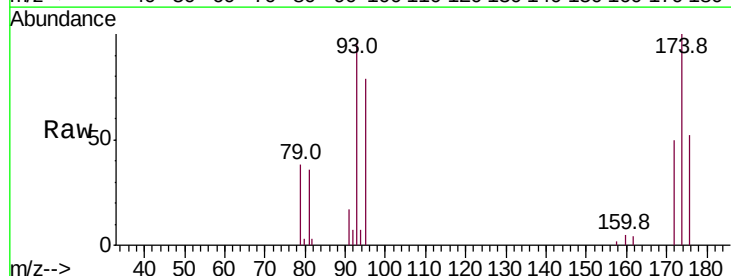
Tgt Ion: 93 Resp: 31620

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

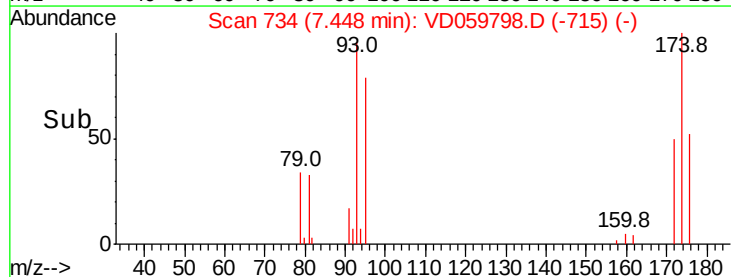
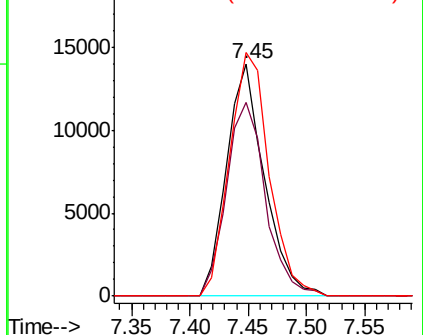
174 104.7 85.5 128.3

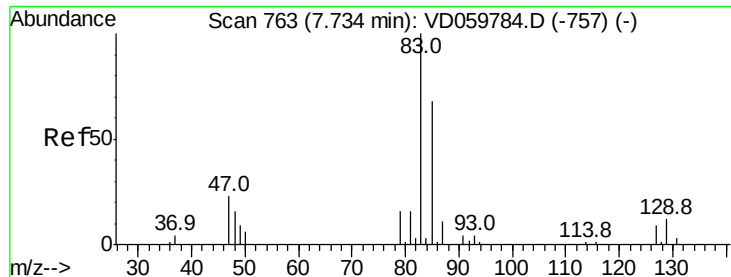


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.055 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

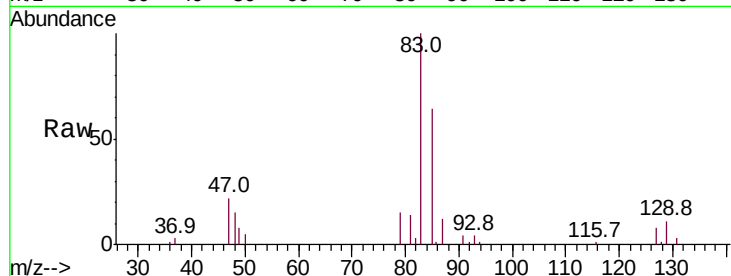
Tot Ion: 83 Resp: 79480

Ion Ratio Lower Upper

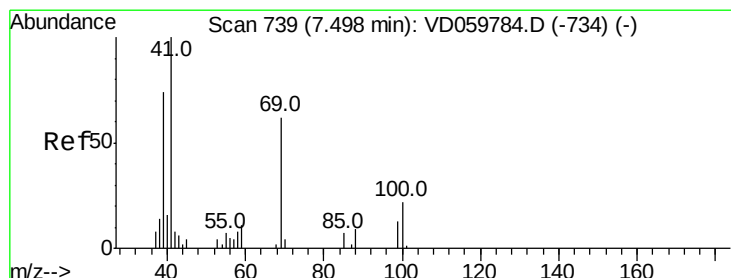
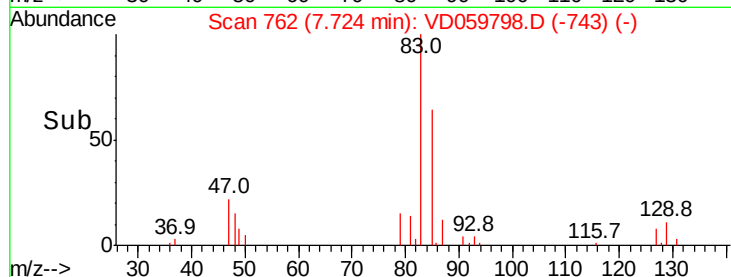
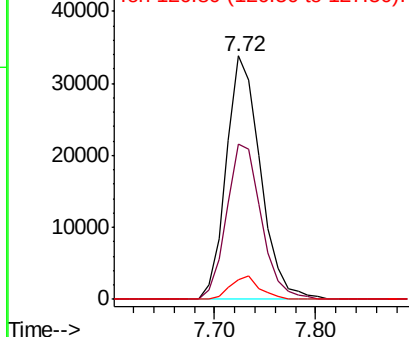
83 100

85 63.8 54.1 81.1

127 8.1 7.5 11.3



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



#48

Methyl methacrylate

Concen: 20.632 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

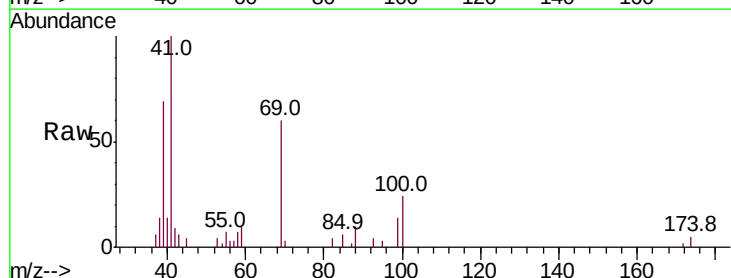
Tgt Ion: 41 Resp: 32102

Ion Ratio Lower Upper

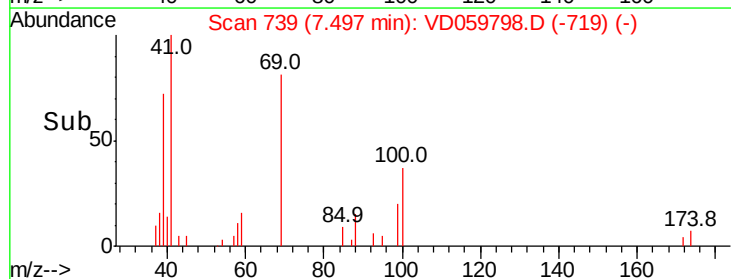
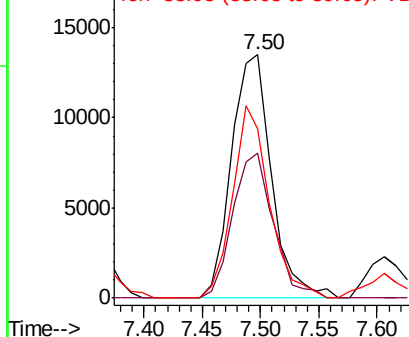
41 100

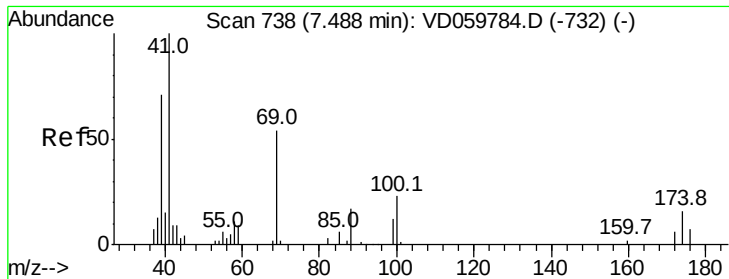
69 59.6 49.8 74.8

39 69.3 59.0 88.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 396.935 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

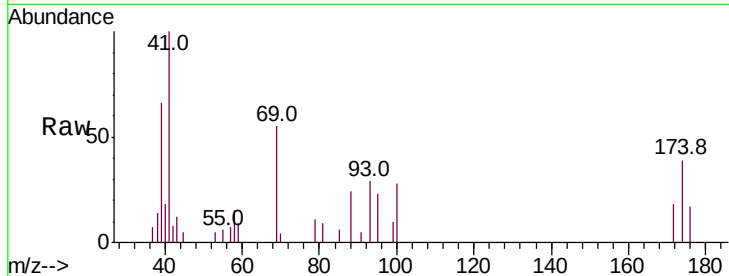
Tot Ion: 88 Resp: 5439

Ion Ratio Lower Upper

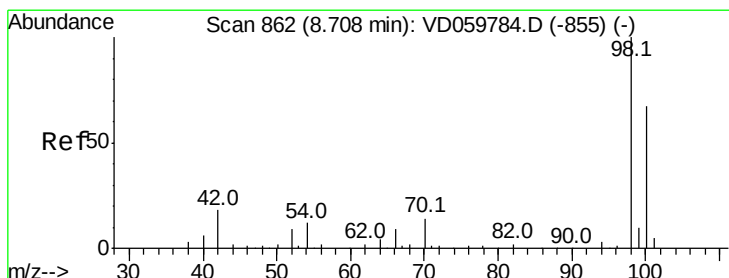
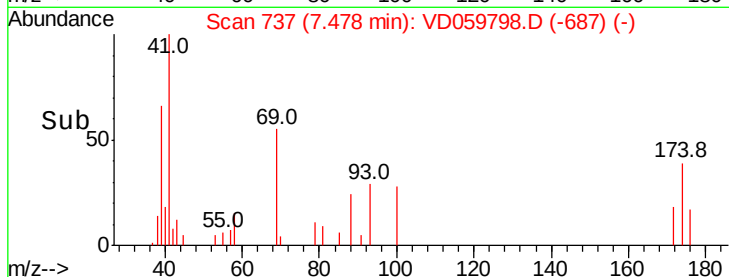
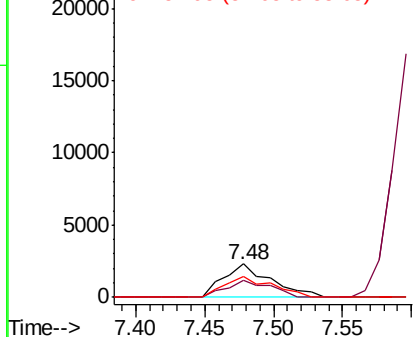
88 100

43 51.7 42.0 63.0

58 63.5 51.4 77.0



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



#50

Toluene-d8

Concen: 396.935 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059798.D

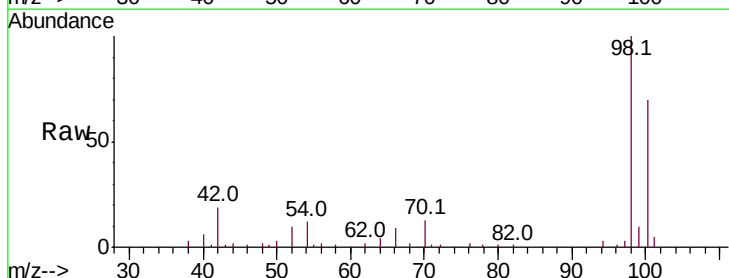
Acq: 15 Aug 2018 16:24

Tgt Ion: 98 Resp: 387887

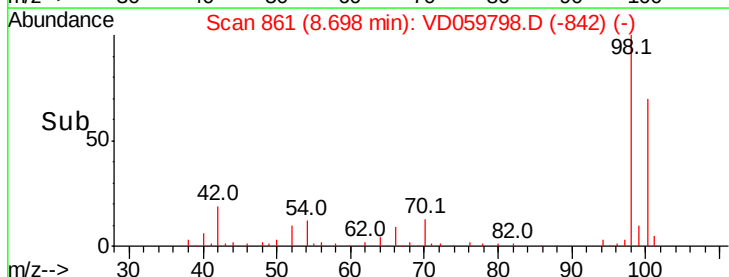
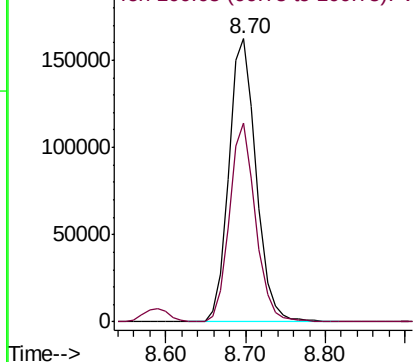
Ion Ratio Lower Upper

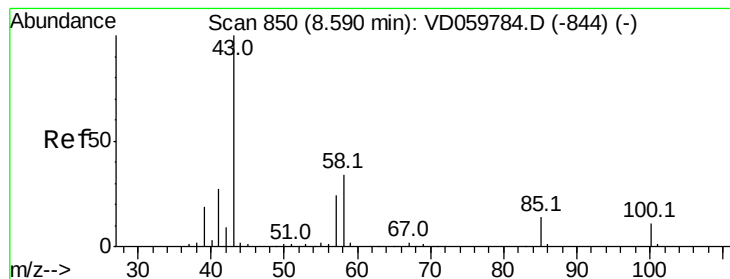
98 100

100 70.1 54.2 81.4



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: 89.803 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

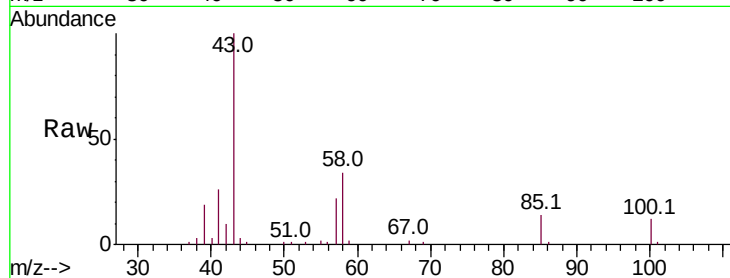
ClientSampleId :

Tot Ion: 43 Resp: 161861

Ion Ratio Lower Upper

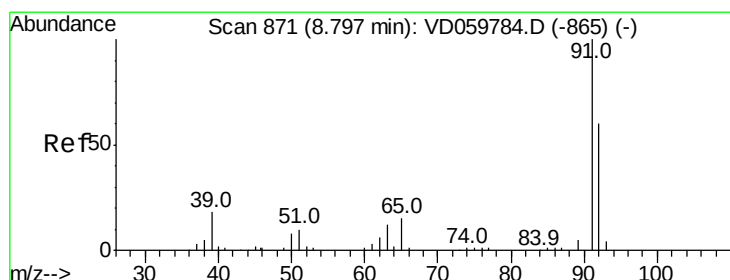
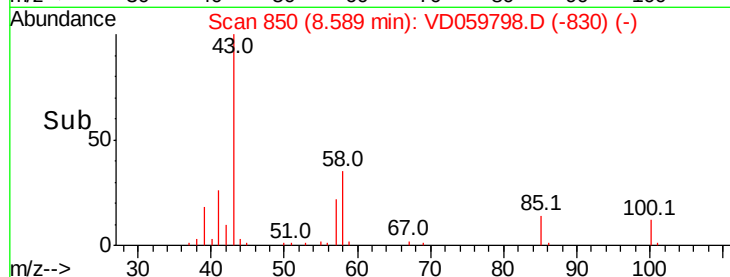
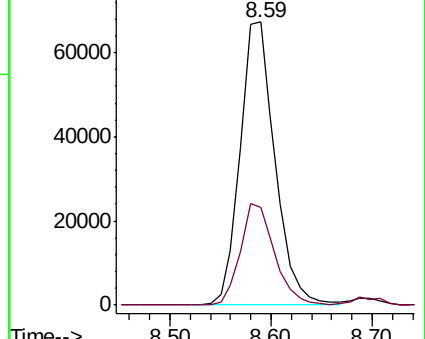
43 100

58 34.4 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.021 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059798.D

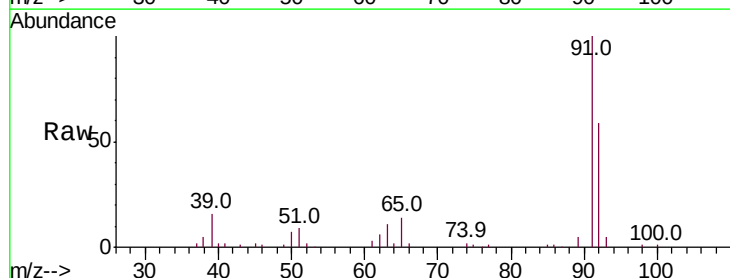
Acq: 15 Aug 2018 16:24

Tgt Ion: 92 Resp: 102708

Ion Ratio Lower Upper

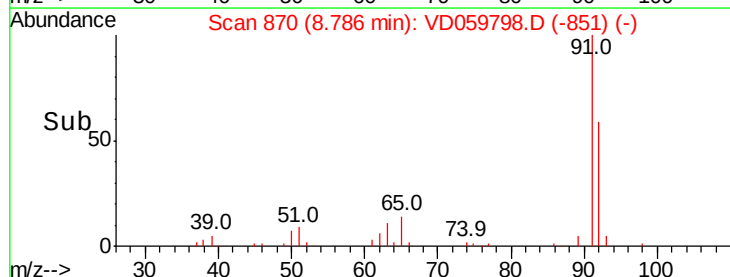
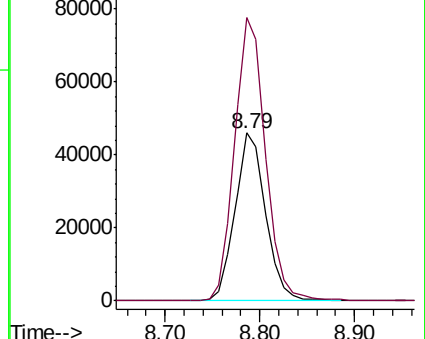
92 100

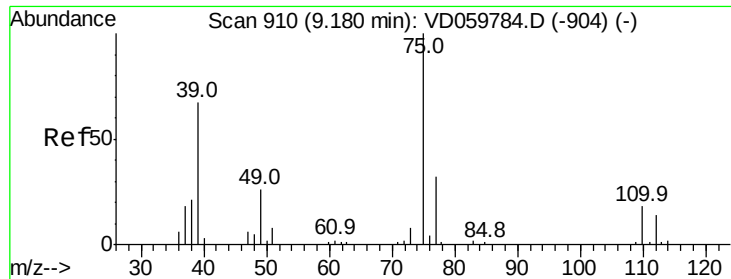
91 168.4 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.957 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

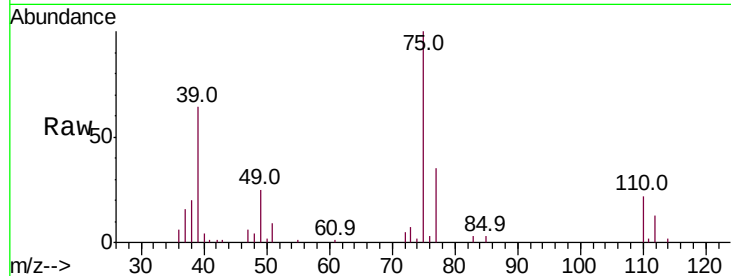
ClientSampleId :

Tot Ion: 75 Resp: 69017

Ion Ratio Lower Upper

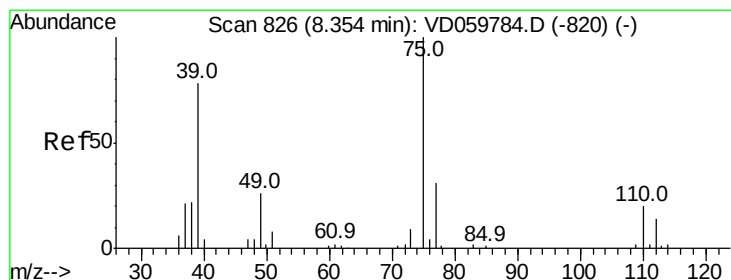
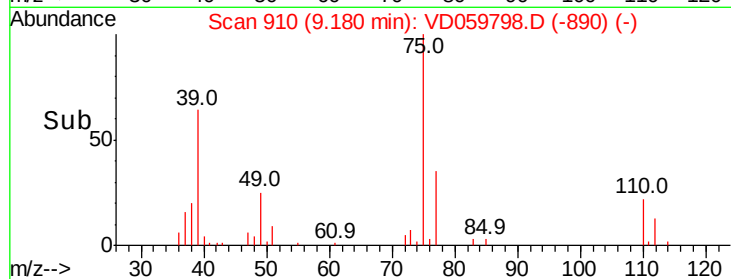
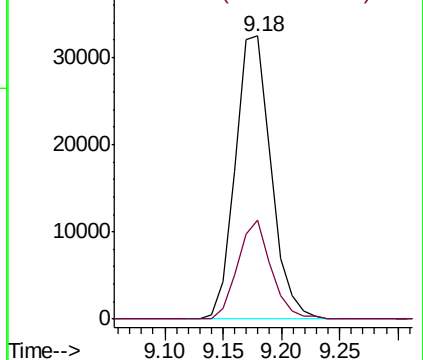
75 100

77 35.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.953 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

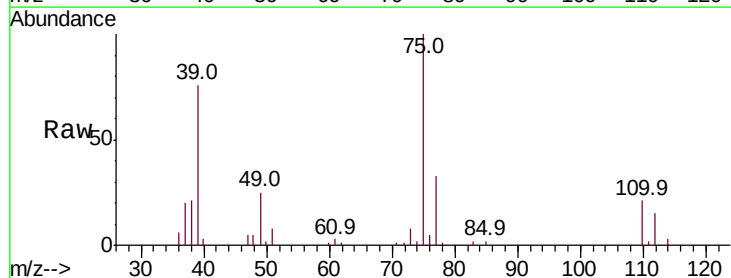
Tgt Ion: 75 Resp: 70835

Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

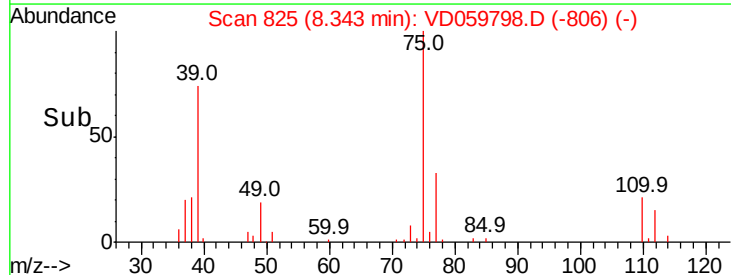
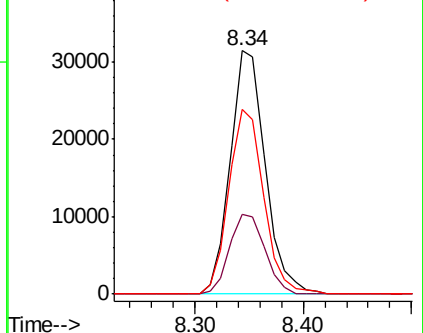
39 76.0 62.5 93.7

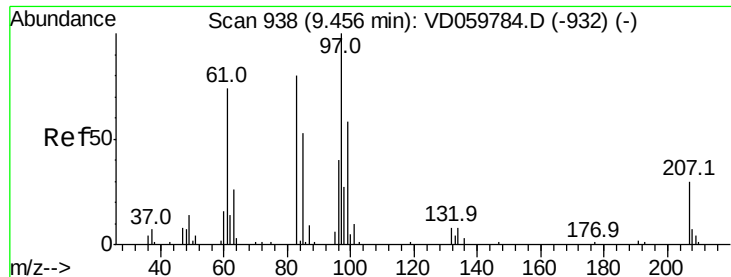


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 18.504 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 35045

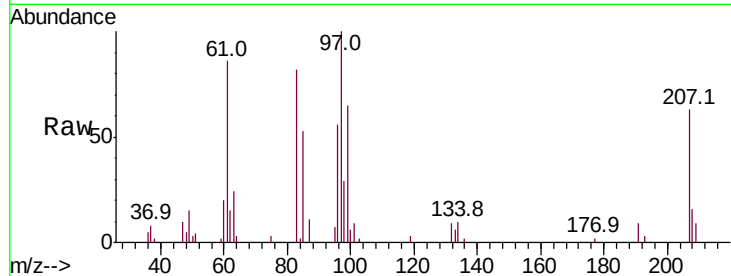
Ion Ratio Lower Upper

97 100

83 82.1 63.8 95.8

85 53.3 42.5 63.7

99 65.0 46.2 69.4

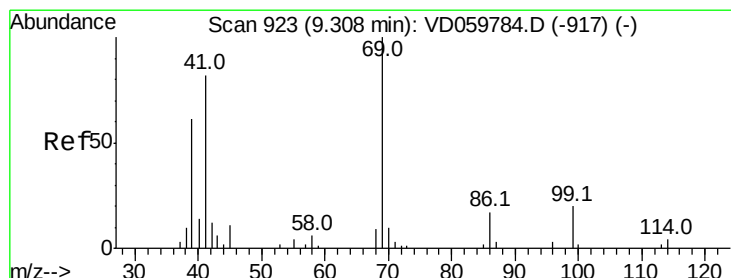
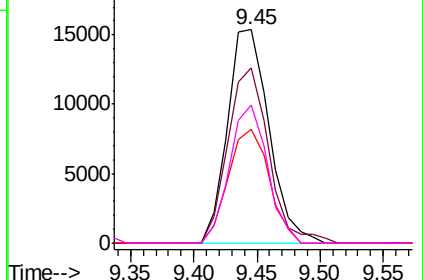
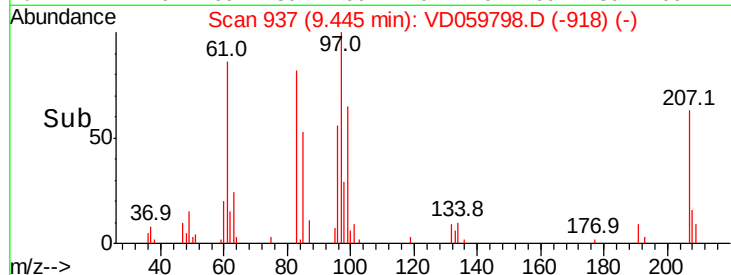


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.990 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

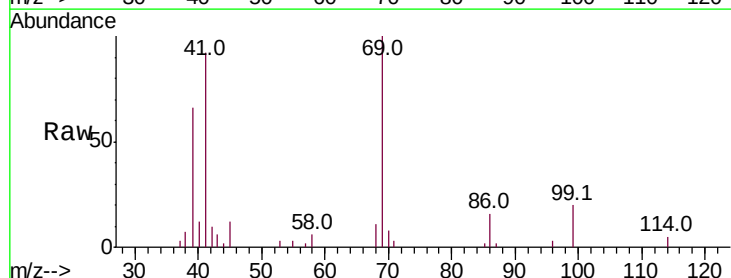
Tgt Ion: 69 Resp: 38949

Ion Ratio Lower Upper

69 100

41 92.3 65.8 98.8

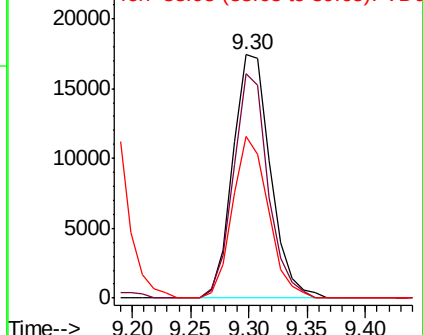
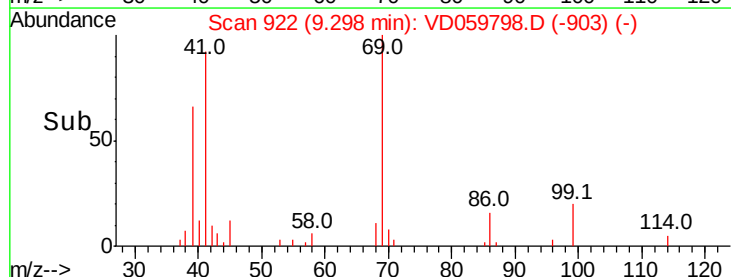
39 66.4 49.7 74.5

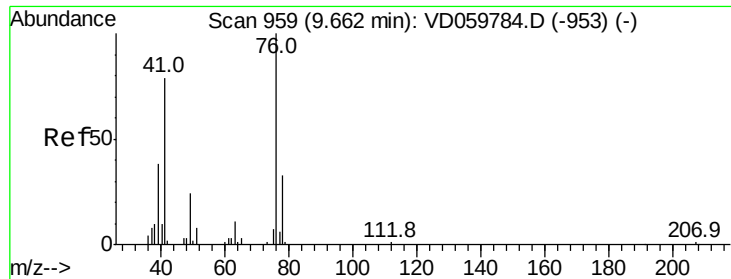


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.418 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

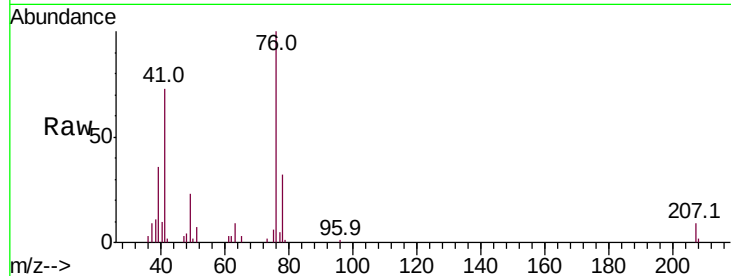
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 57610

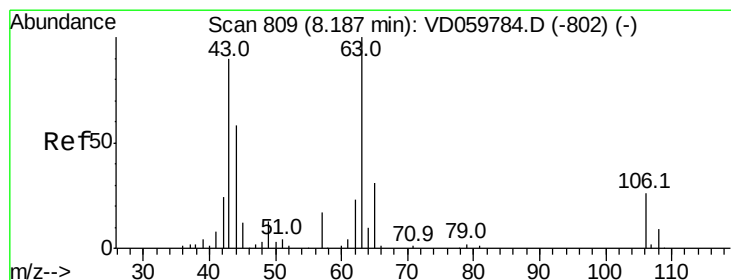
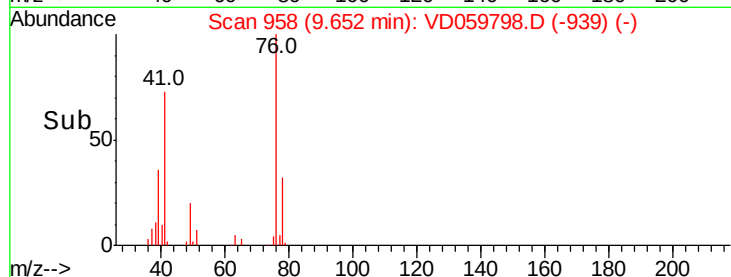
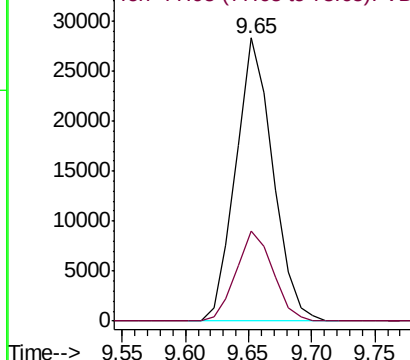
Ion Ratio Lower Upper

76 100

78 31.8 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.478 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD059798.D

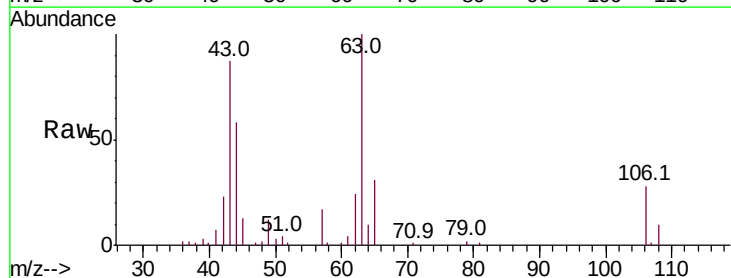
Acq: 15 Aug 2018 16:24

Tgt Ion: 63 Resp: 109967

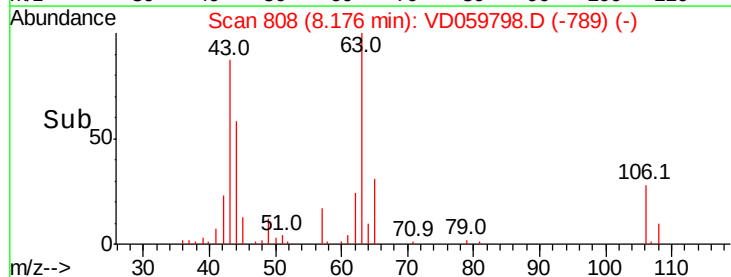
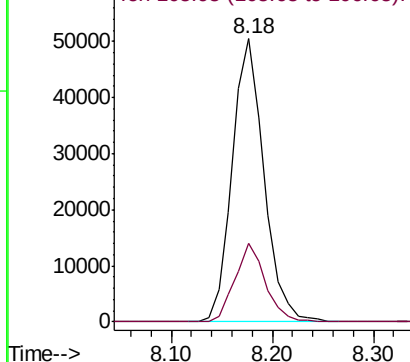
Ion Ratio Lower Upper

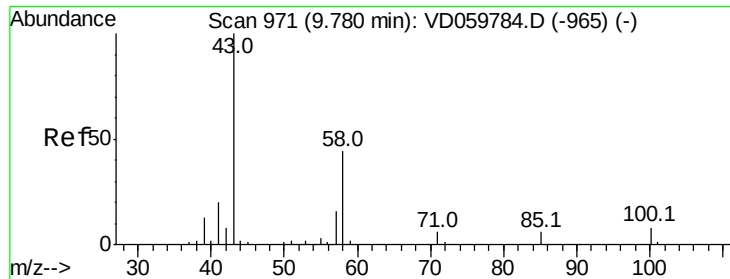
63 100

106 27.7 21.1 31.7



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

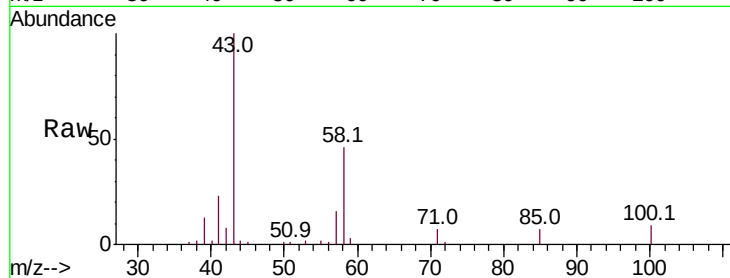




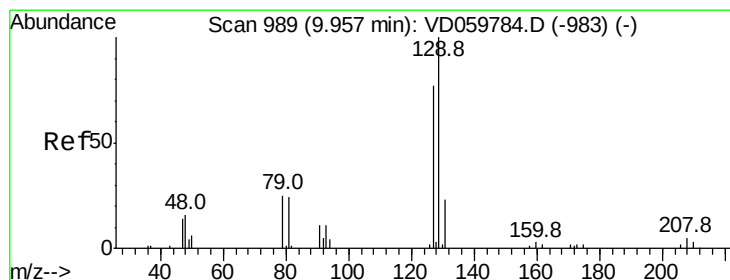
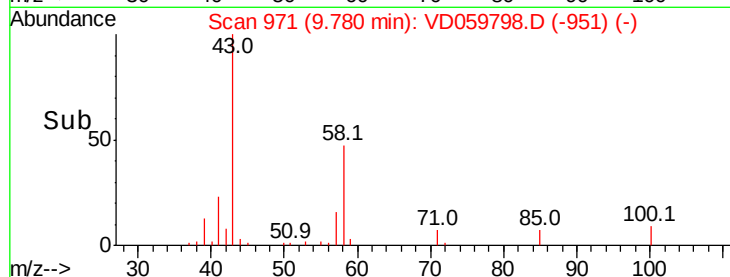
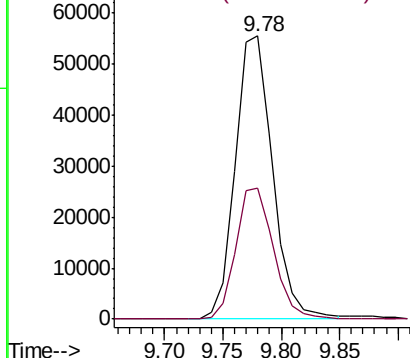
#59
2-Hexanone
Concen: 95.179 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 123014
Ion Ratio Lower Upper
43 100
58 46.3 22.3 66.8

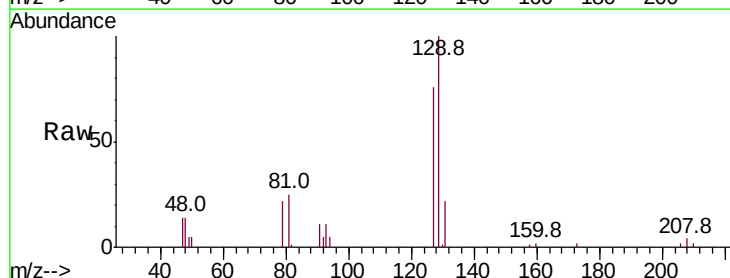


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

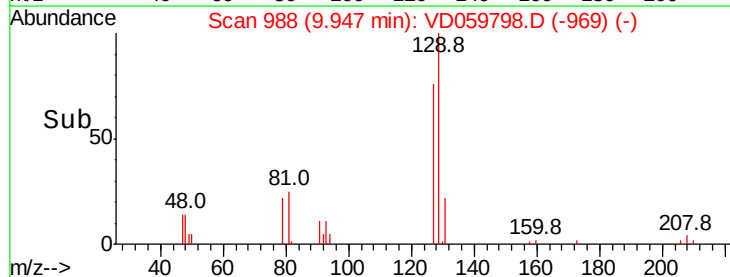
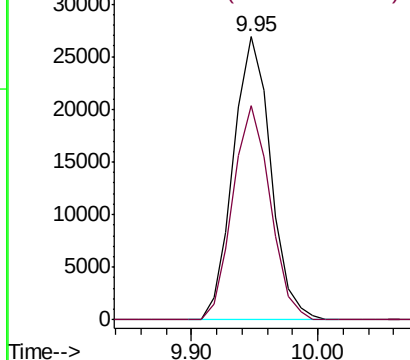


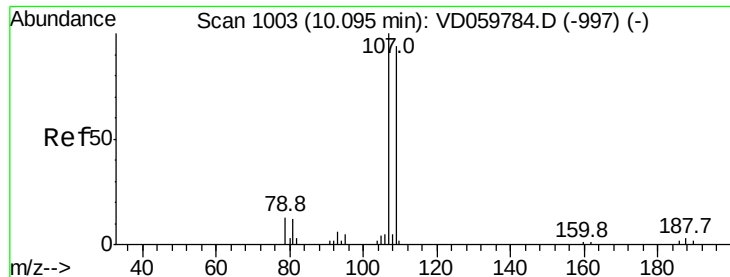
#60
Dibromochloromethane
Concen: 20.118 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 129 Resp: 55319
Ion Ratio Lower Upper
129 100
127 75.6 38.4 115.1



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





#61

1,2-Dibromoethane

Concen: 18.877 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

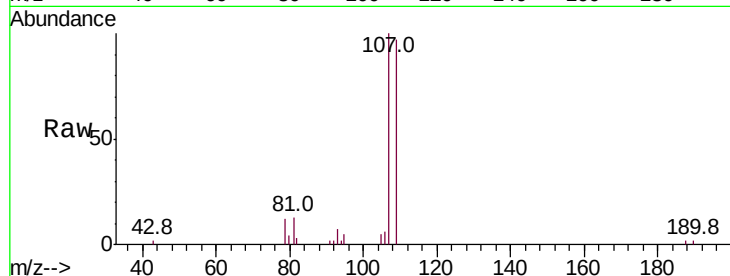
ClientSampleId :

Tot Ion:107 Resp: 39601

Ion Ratio Lower Upper

107 100

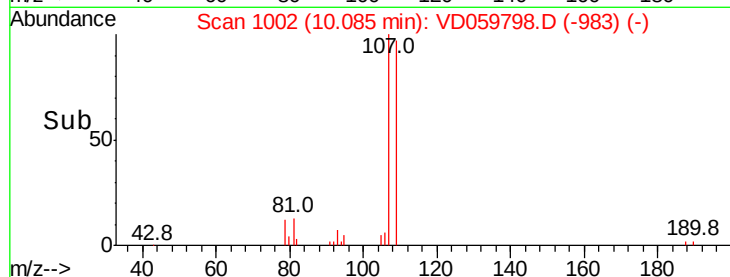
109 97.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08



20000

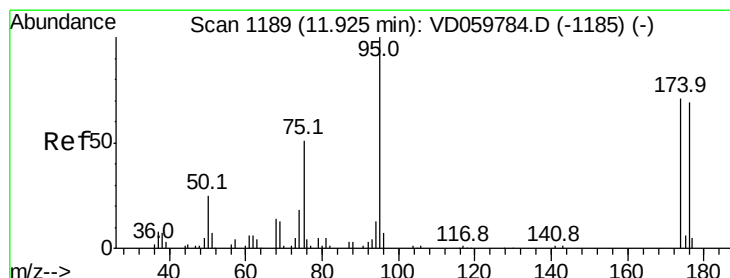
15000

10000

5000

0

Time--> 10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 18.877 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

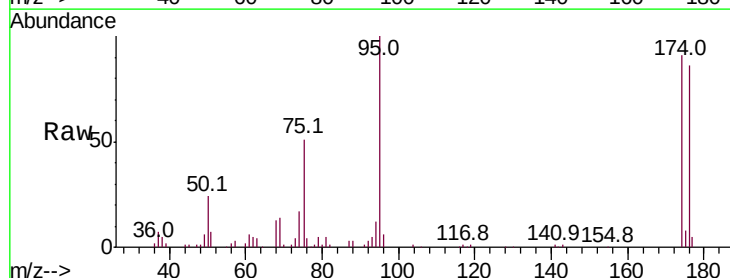
Tgt Ion: 95 Resp: 176453

Ion Ratio Lower Upper

95 100

174 91.1 0.0 142.2

176 86.3 0.0 137.4

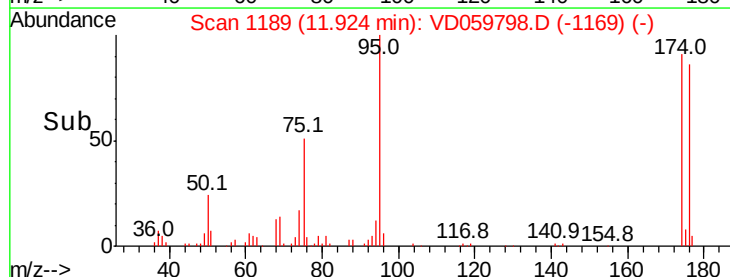


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92



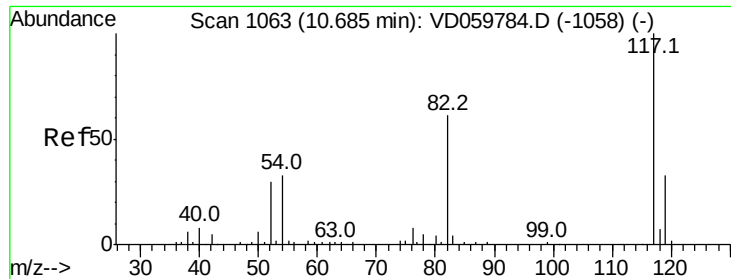
150000

100000

50000

0

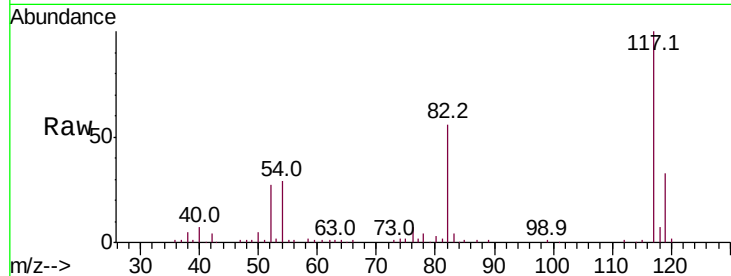
Time--> 11.90 12.00



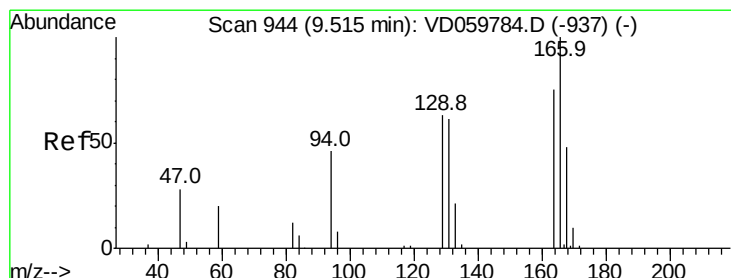
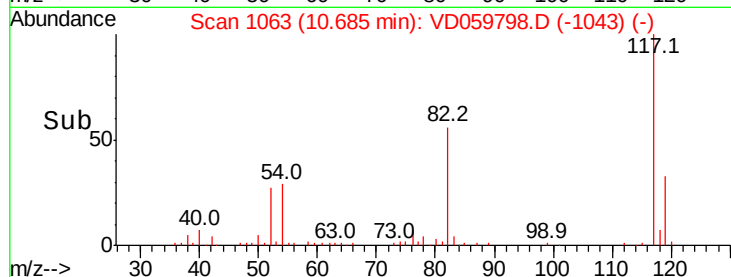
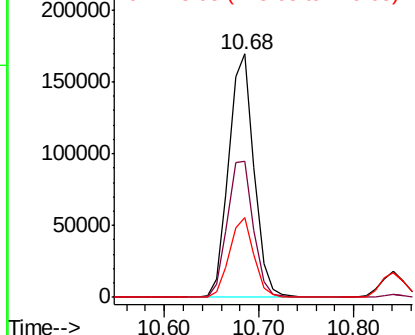
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 312969
Ion Ratio Lower Upper
117 100
82 55.7 49.0 73.6
119 32.7 26.2 39.2



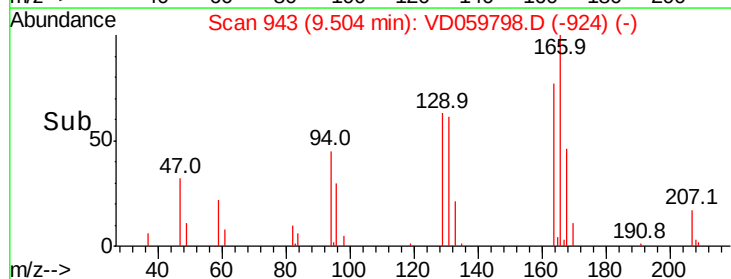
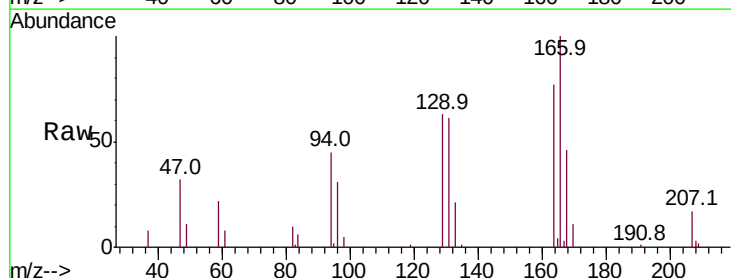
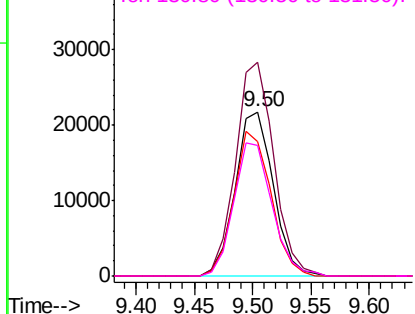
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

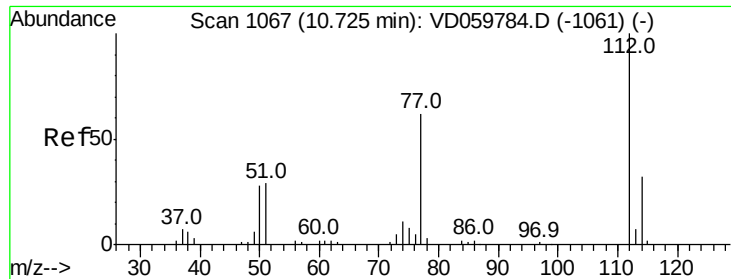


#64
Tetrachloroethene
Concen: 18.255 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion:164 Resp: 49206
Ion Ratio Lower Upper
164 100
166 129.9 106.8 160.2
129 81.9 67.2 100.8
131 79.1 64.7 97.1

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

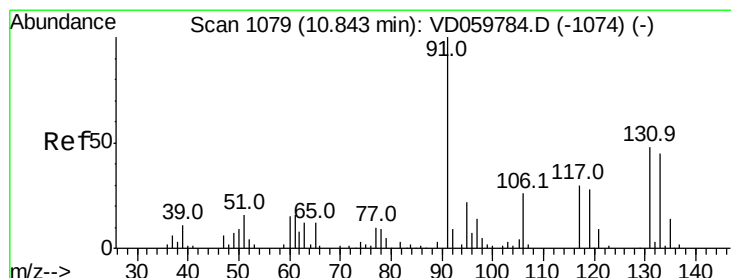
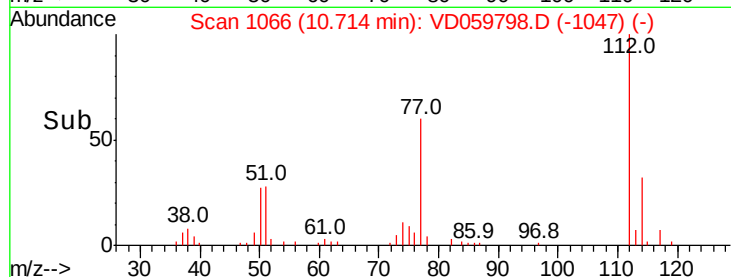
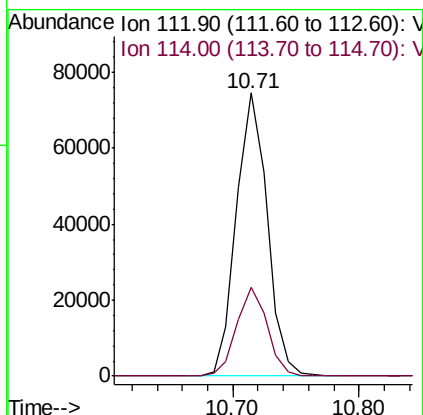
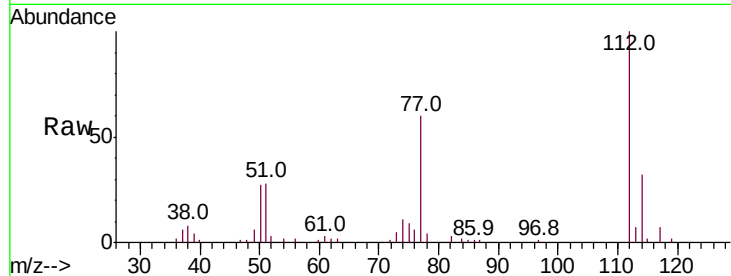




#65
Chlorobenzene
Concen: 19.925 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

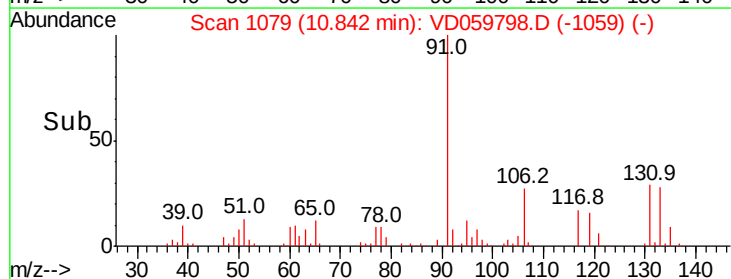
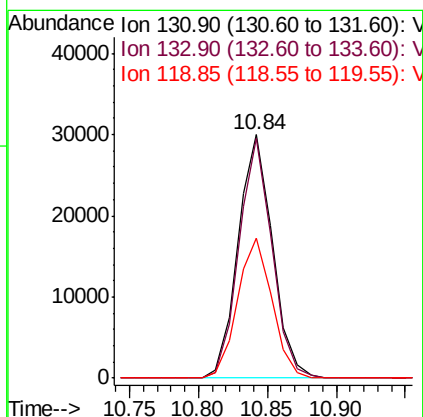
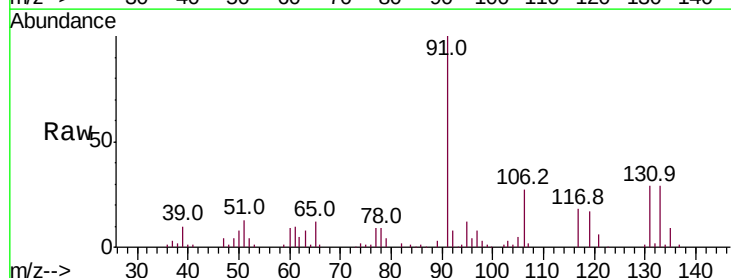
Instrument :
MSVOA_D
ClientSampleId :

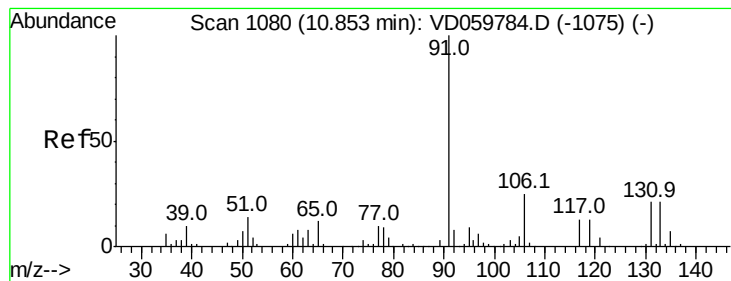
Tot Ion:112 Resp: 126288
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.366 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion:131 Resp: 52028
Ion Ratio Lower Upper
131 100
133 98.6 47.0 141.0
119 57.4 29.0 87.1





#67

Ethyl Benzene

Concen: 19.562 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

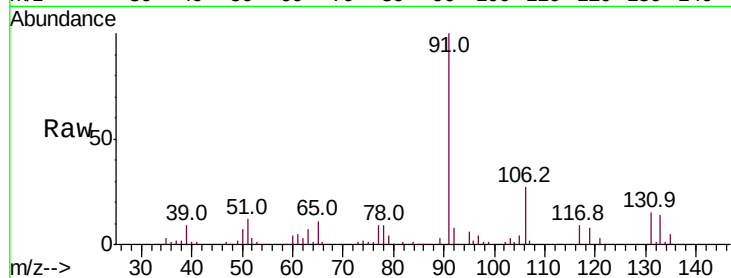
ClientSampled :

Tot Ion: 91 Resp: 213479

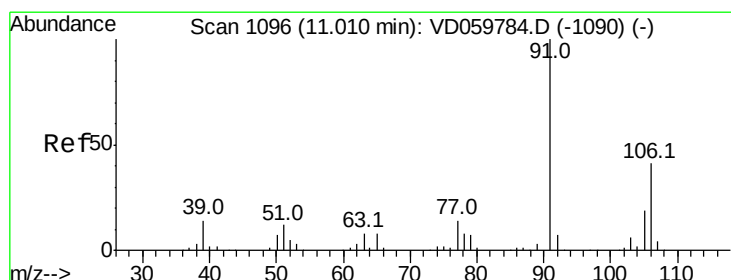
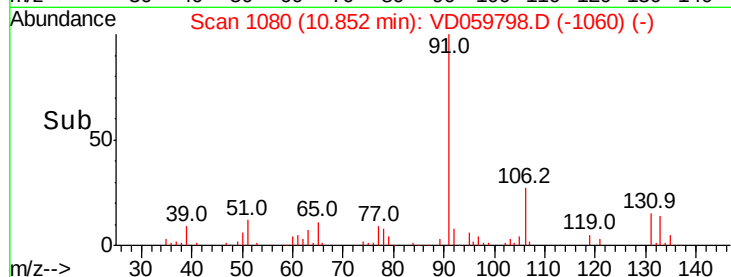
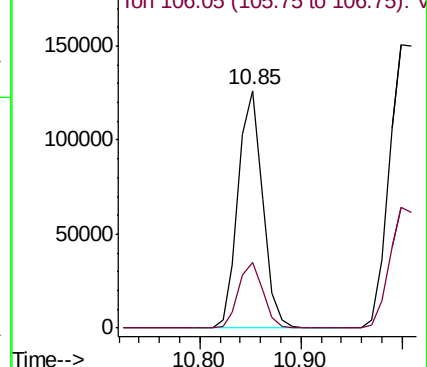
Ion Ratio Lower Upper

91 100

106 27.5 20.1 30.1



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 38.756 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD059798.D

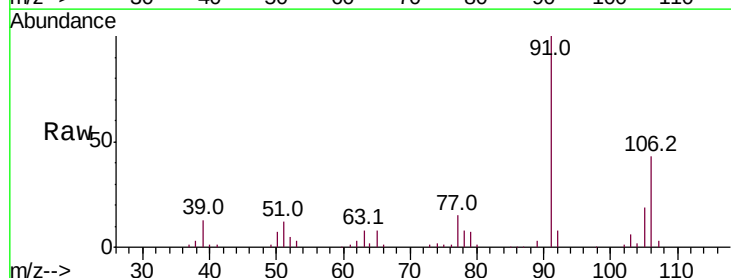
Acq: 15 Aug 2018 16:24

Tgt Ion:106 Resp: 143350

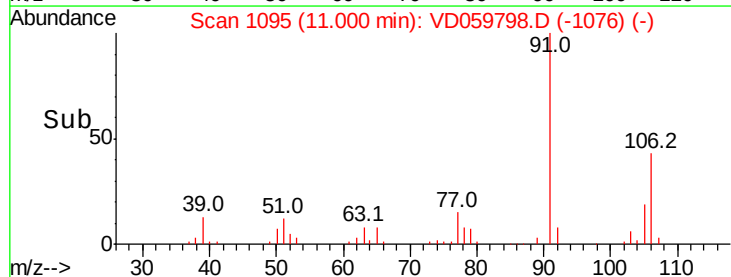
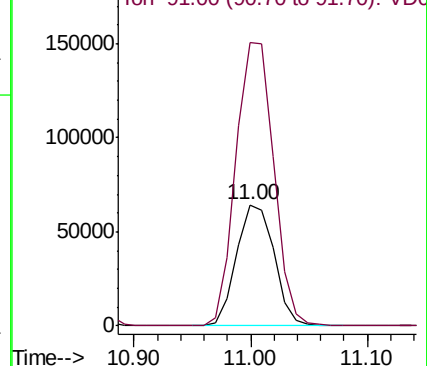
Ion Ratio Lower Upper

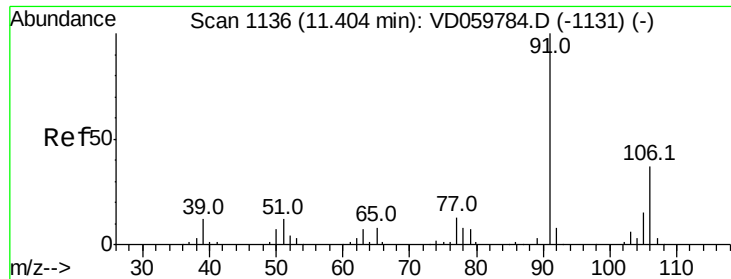
106 100

91 233.7 197.4 296.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

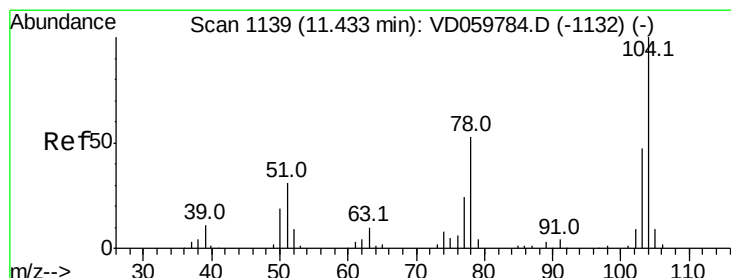
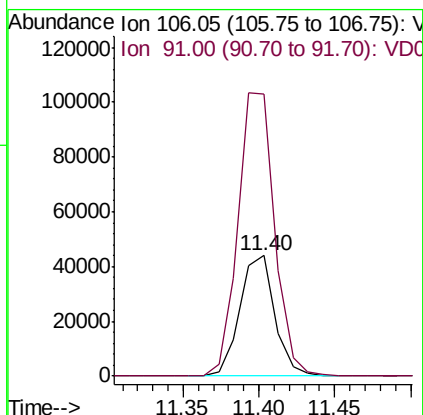
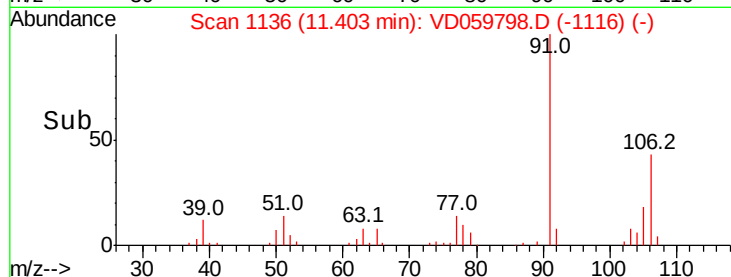
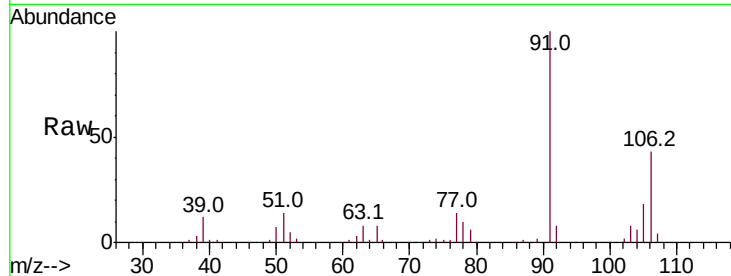




#69
o-Xylene
Concen: 19.840 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

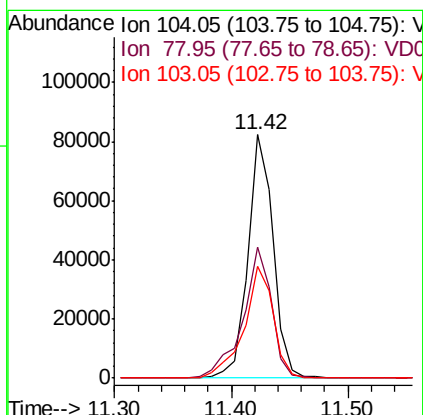
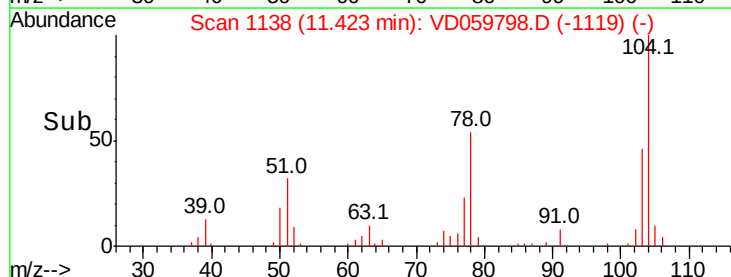
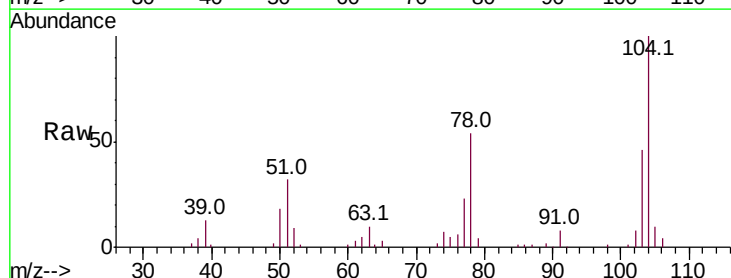
Instrument :
MSVOA_D
ClientSampleId :

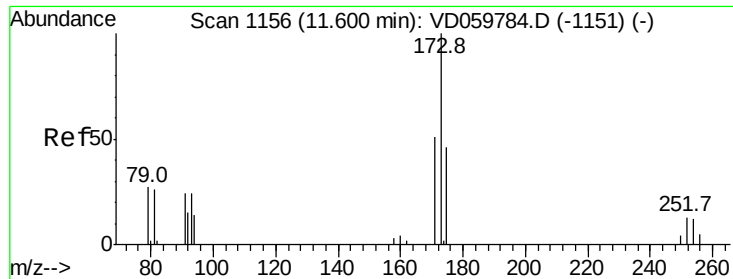
Tot Ion:106 Resp: 70437
Ion Ratio Lower Upper
106 100
91 234.9 133.7 401.1



#70
Styrene
Concen: 19.572 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion:104 Resp: 123237
Ion Ratio Lower Upper
104 100
78 53.6 42.6 64.0
103 46.1 37.8 56.6





#71

Bromoform

Concen: 19.469 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

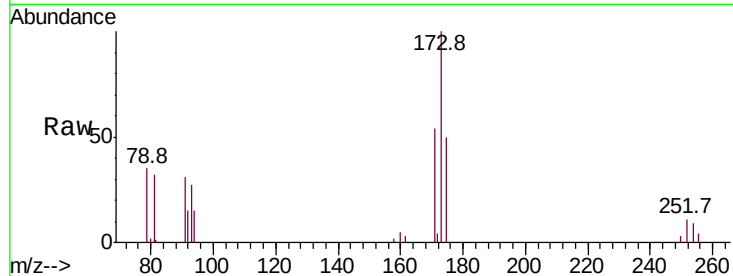
Tot Ion:173 Resp: 36154

Ion Ratio Lower Upper

173 100

175 49.7 23.1 69.2

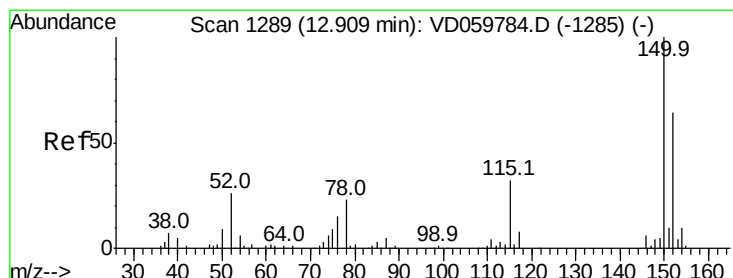
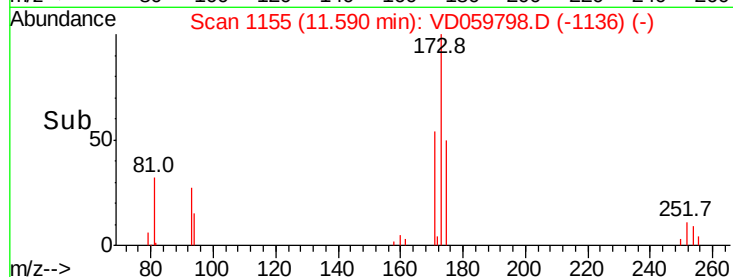
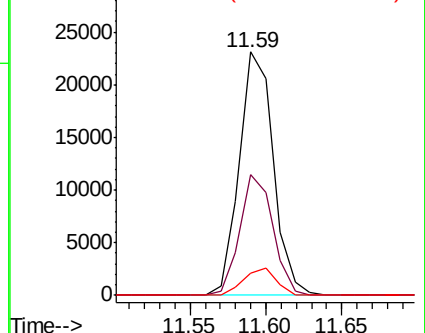
254 9.0 9.7 14.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

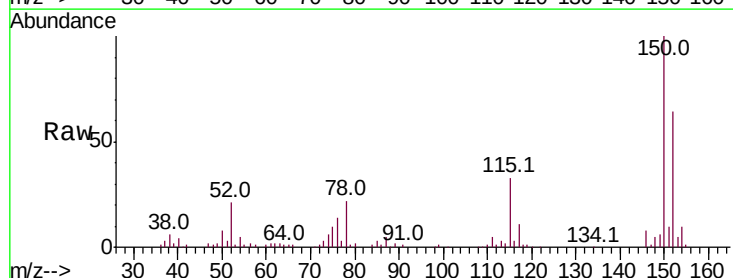
Tgt Ion:152 Resp: 167287

Ion Ratio Lower Upper

152 100

115 51.0 27.2 81.5

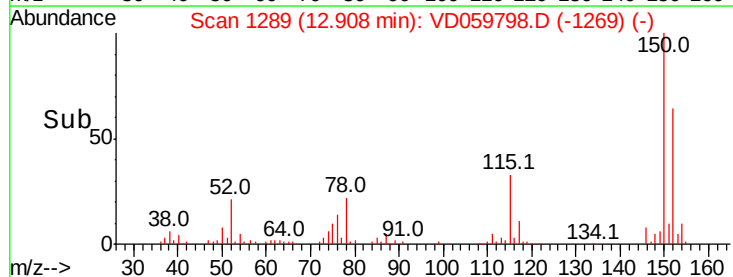
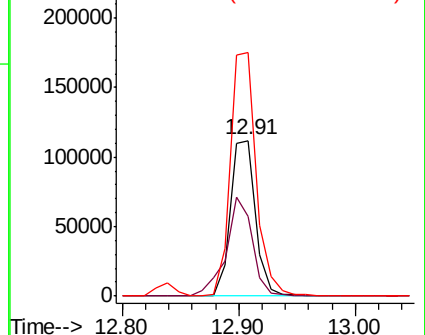
150 156.5 0.0 312.4

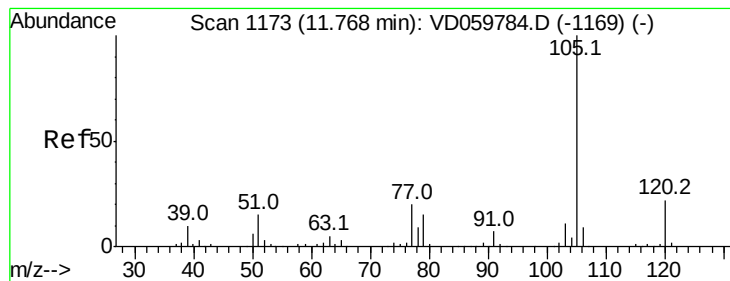


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.867 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

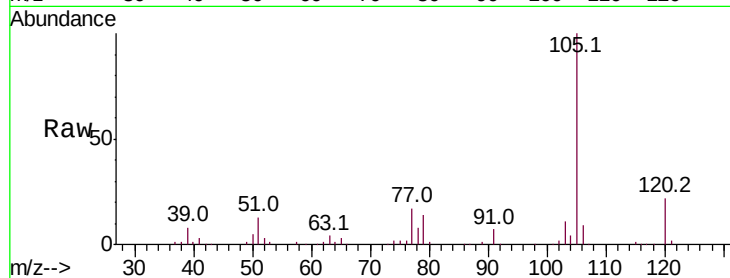
ClientSampleId :

Tot Ion:105 Resp: 210441

Ion Ratio Lower Upper

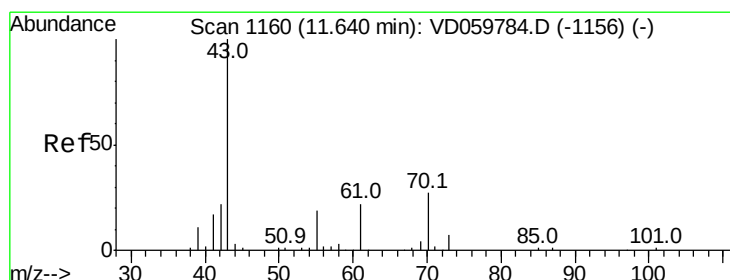
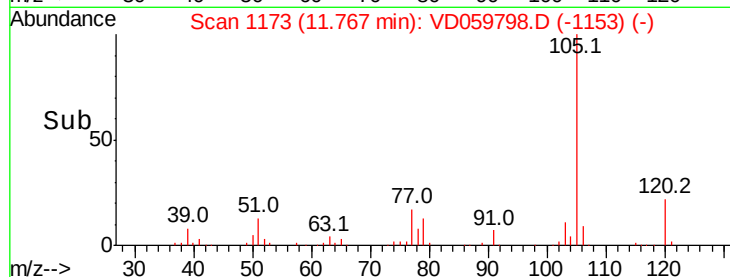
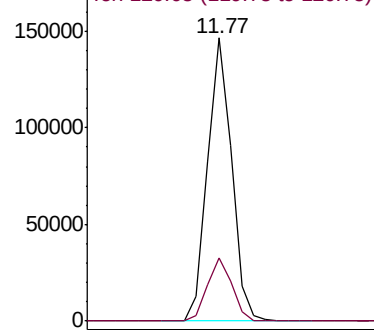
105 100

120 22.5 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.374 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Tgt Ion: 43 Resp: 66170

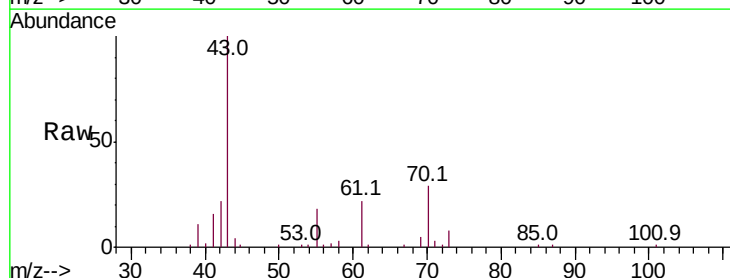
Ion Ratio Lower Upper

43 100

70 29.1 21.8 32.6

55 18.3 15.1 22.7

61 21.5 18.0 27.0

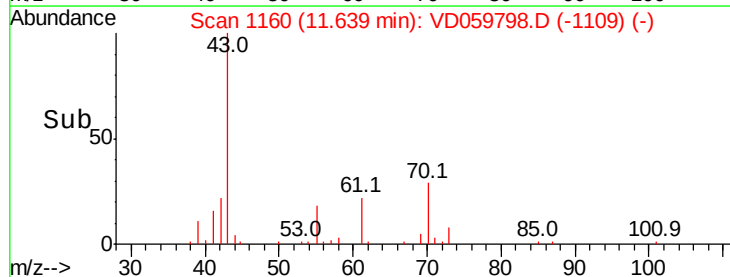
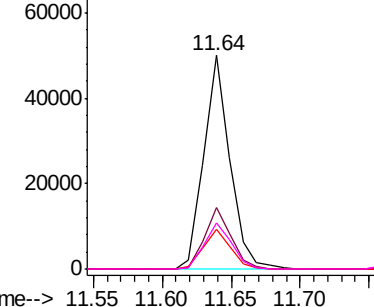


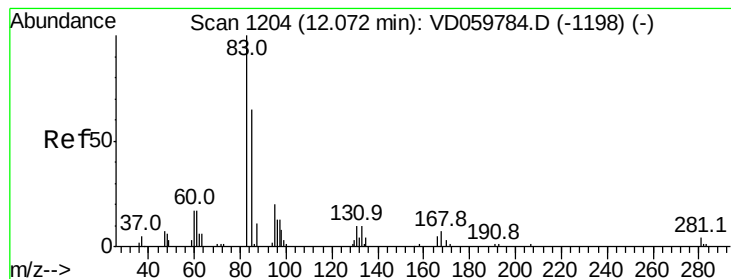
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.694 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

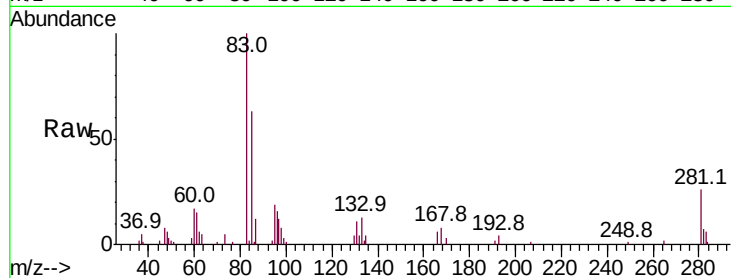
Tot Ion: 83 Resp: 42362

Ion Ratio Lower Upper

83 100

131 11.3 5.0 15.0

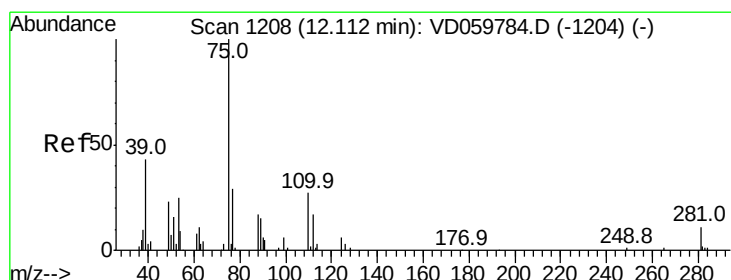
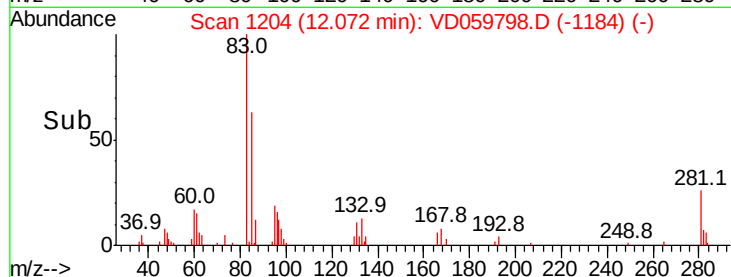
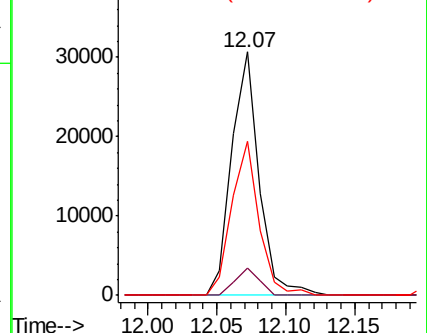
85 63.1 32.8 98.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.194 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059798.D

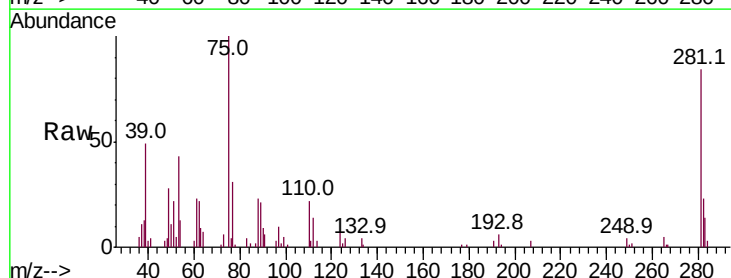
Acq: 15 Aug 2018 16:24

Tgt Ion: 75 Resp: 47929

Ion Ratio Lower Upper

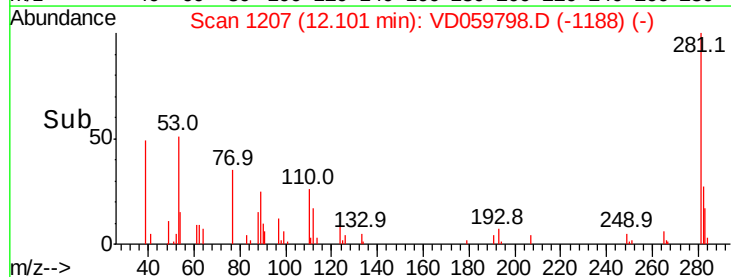
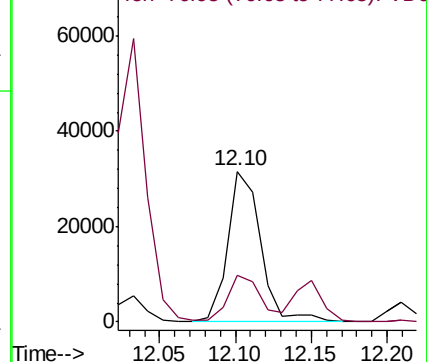
75 100

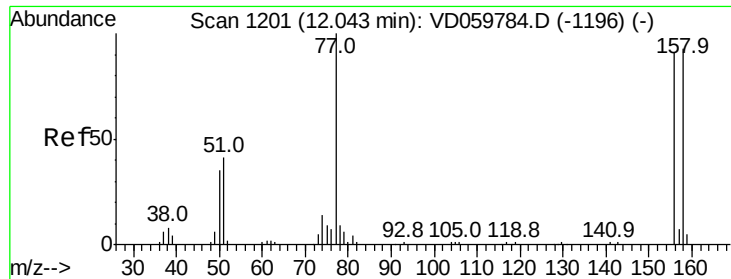
77 30.8 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

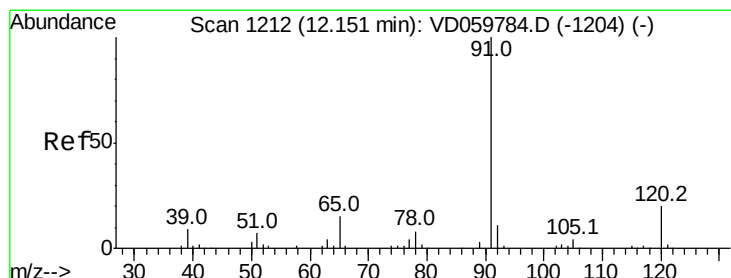
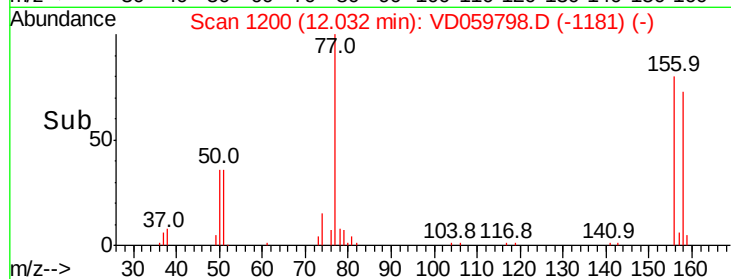
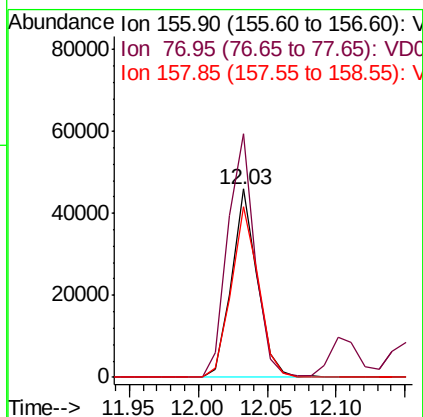
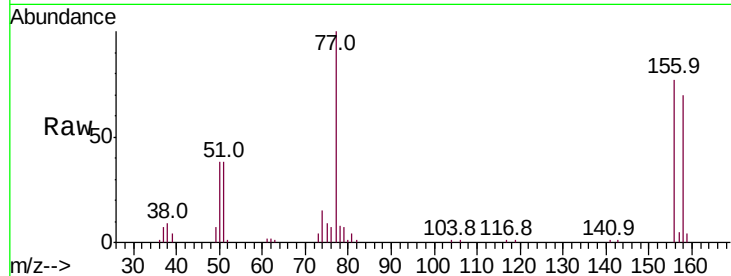




#77
Bromobenzene
Concen: 19.670 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

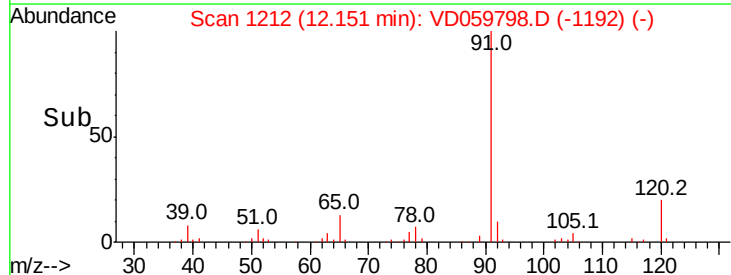
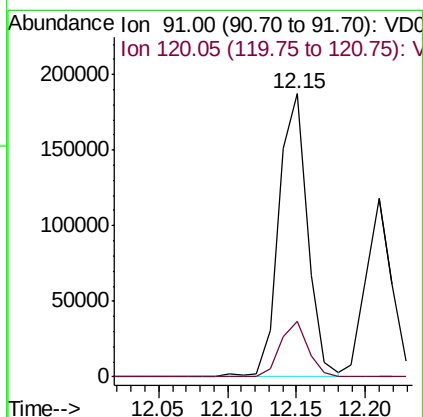
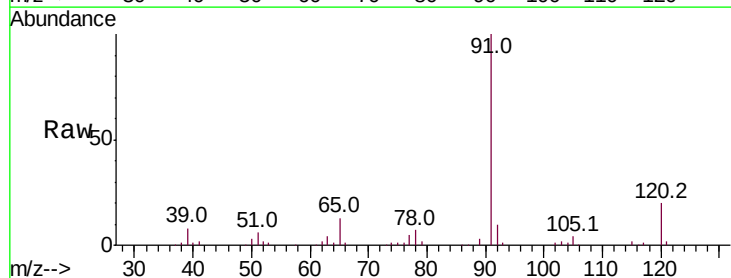
Instrument :
MSVOA_D
ClientSampleId :

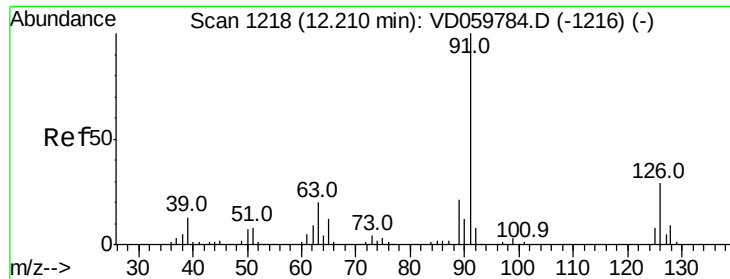
Tot Ion:156 Resp: 59539
Ion Ratio Lower Upper
156 100
77 129.2 54.9 164.8
158 90.9 51.2 153.6



#78
n-propylbenzene
Concen: 20.320 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VD059798.D
Acq: 15 Aug 2018 16:24

Tgt Ion: 91 Resp: 268491
Ion Ratio Lower Upper
91 100
120 19.8 9.8 29.4

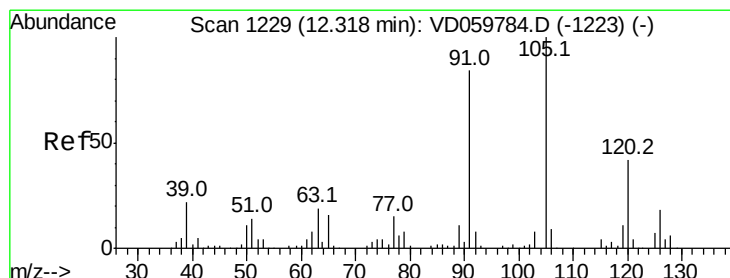
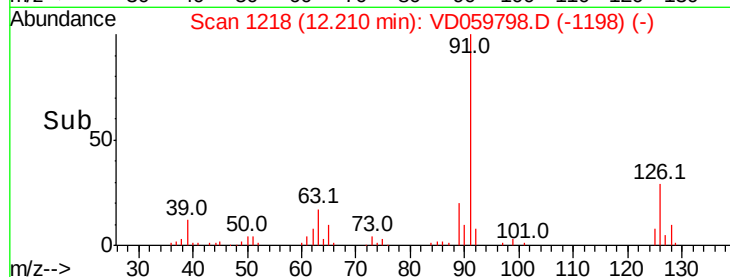
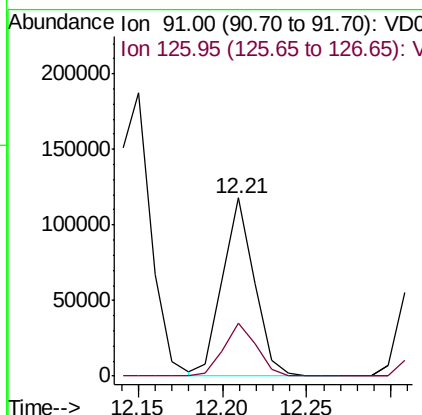
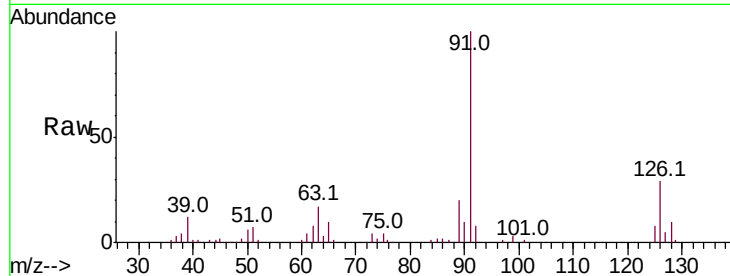




#79
 2-Chlorotoluene
 Concen: 19.433 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

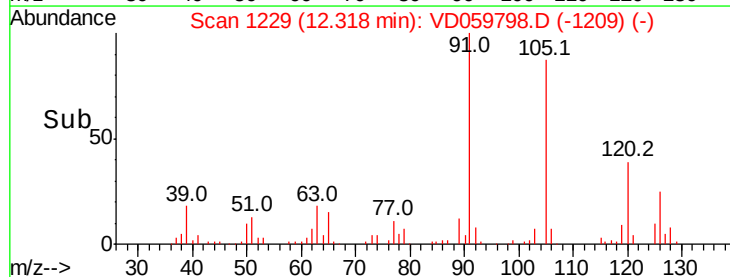
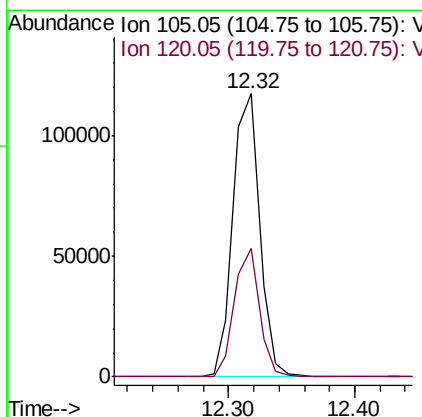
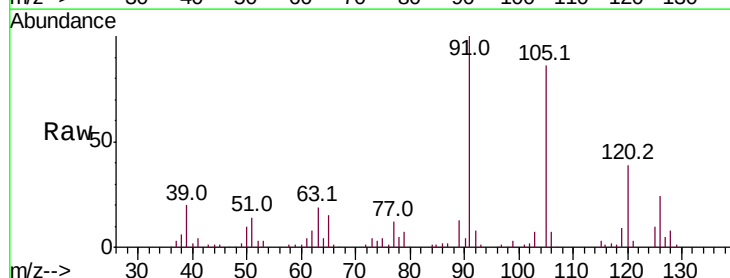
Instrument :
 MSVOA_D
 ClientSampled :

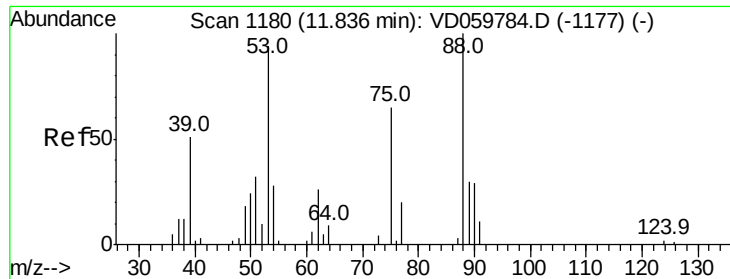
Tot Ion: 91 Resp: 154840
 Ion Ratio Lower Upper
 91 100
 126 29.4 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.232 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion:105 Resp: 171599
 Ion Ratio Lower Upper
 105 100
 120 45.3 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.996 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampled :

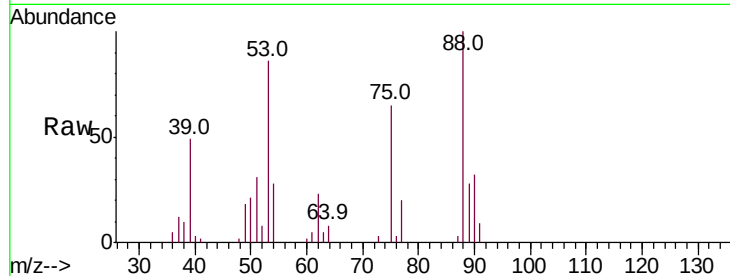
Tot Ion: 75 Resp: 11104

Ion Ratio Lower Upper

75 100

53 133.3 116.2 174.2

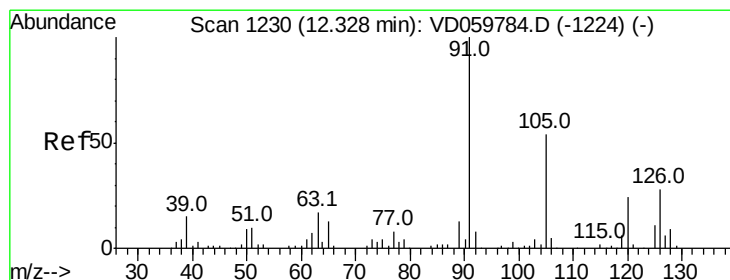
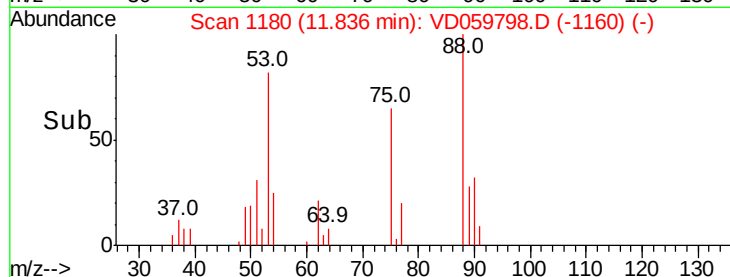
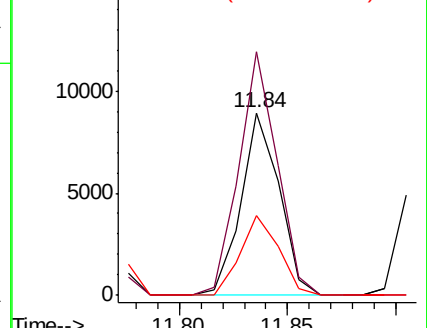
89 43.4 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.096 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059798.D

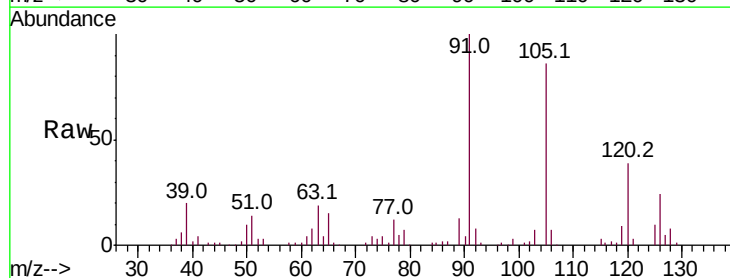
Acq: 15 Aug 2018 16:24

Tgt Ion: 91 Resp: 181747

Ion Ratio Lower Upper

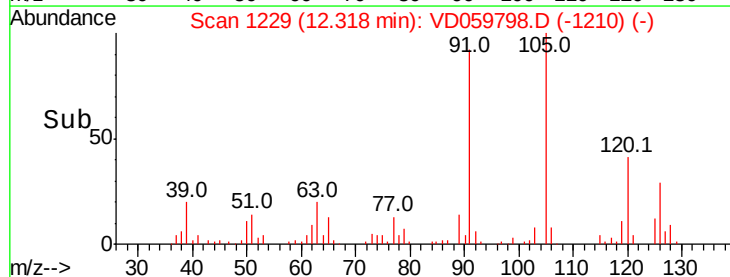
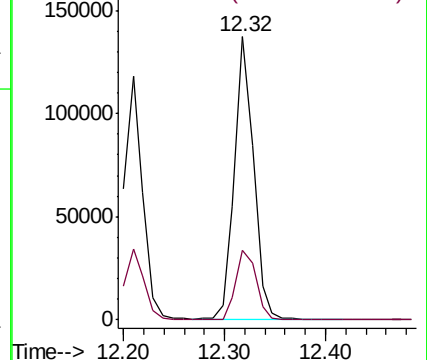
91 100

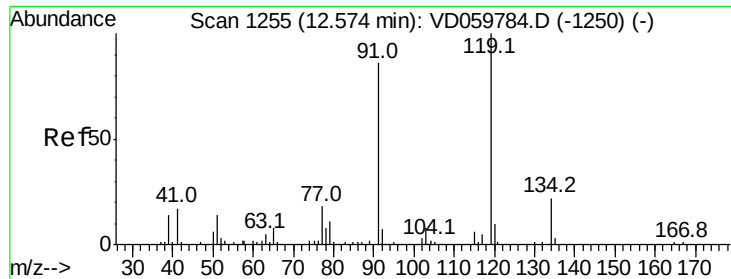
126 24.4 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

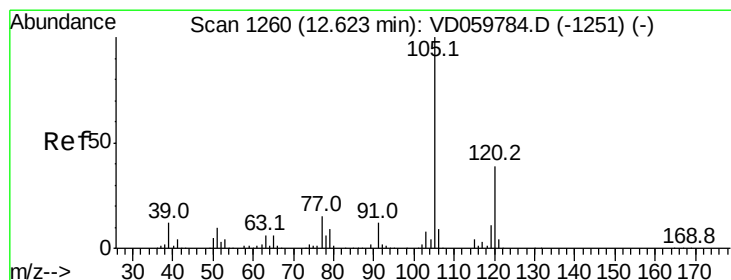
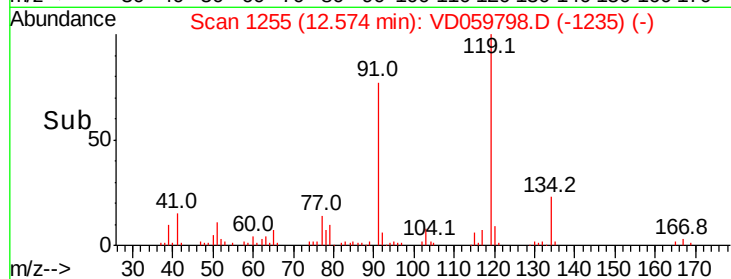
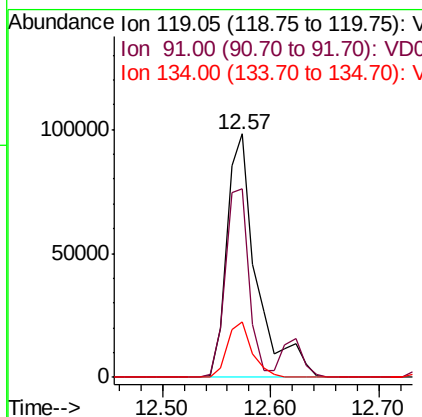
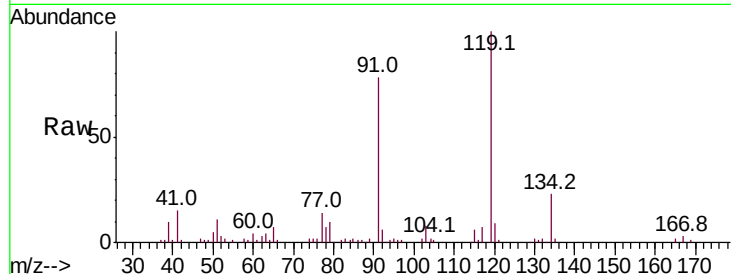




#83
 tert-Butylbenzene
 Concen: 20.004 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

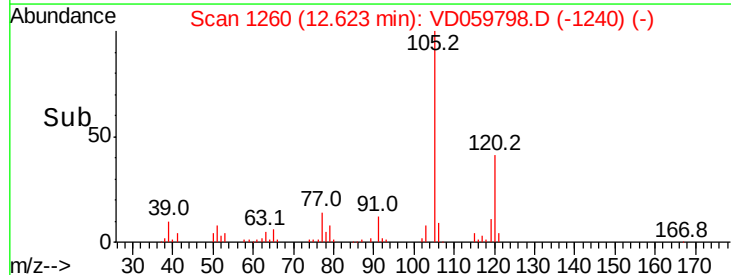
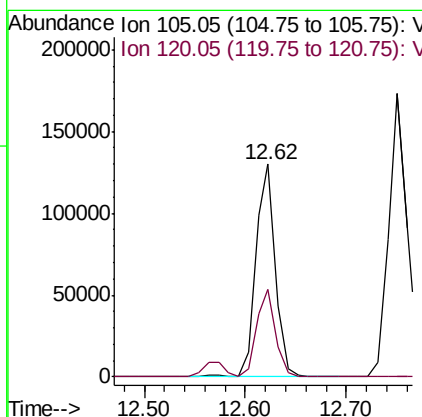
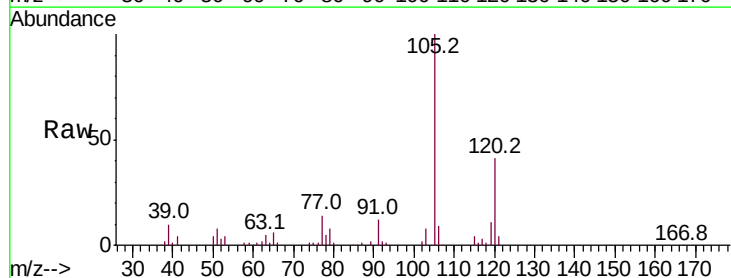
Instrument :
 MSVOA_D
 ClientSampleID :

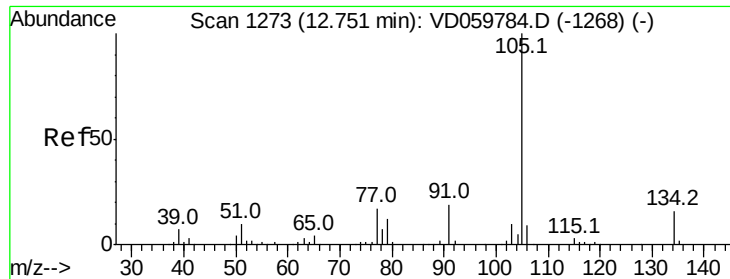
Tot Ion:119 Resp: 187465
 Ion Ratio Lower Upper
 119 100
 91 77.5 43.1 129.3
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.185 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion:105 Resp: 175343
 Ion Ratio Lower Upper
 105 100
 120 41.1 19.6 58.8

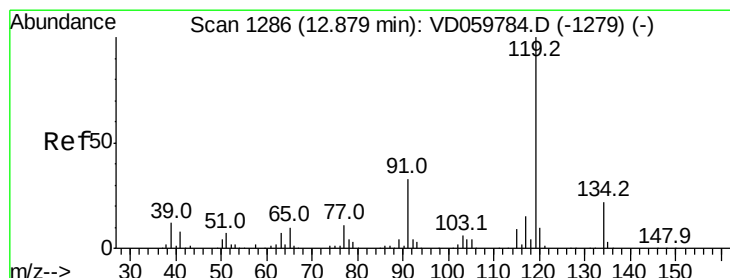
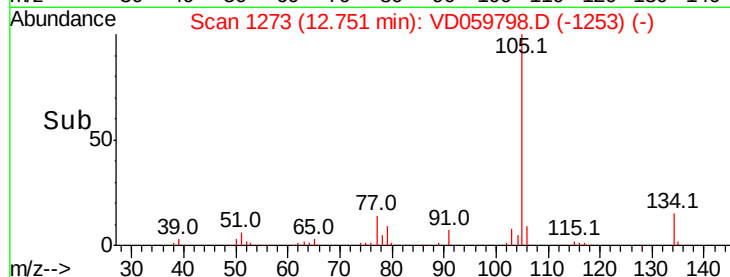
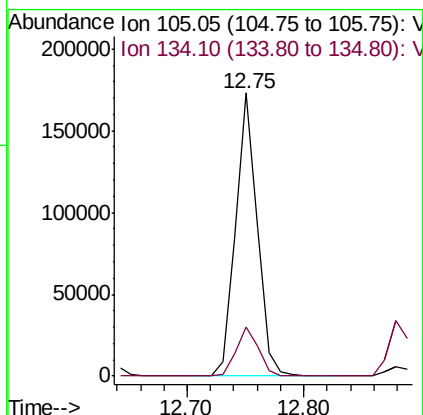
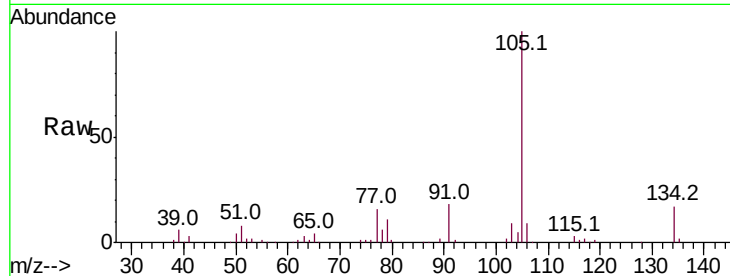




#85
 sec-Butylbenzene
 Concen: 20.465 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

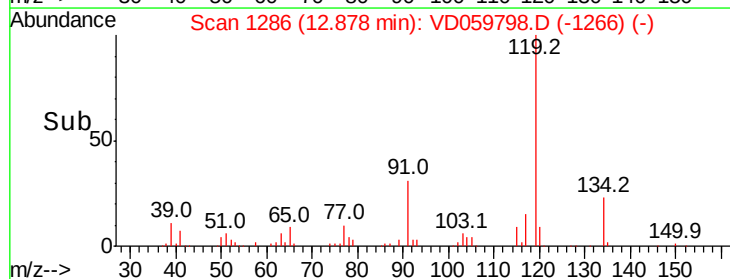
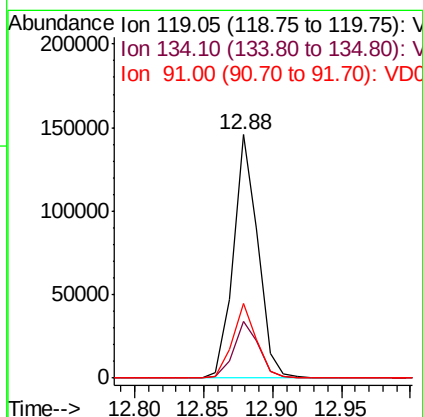
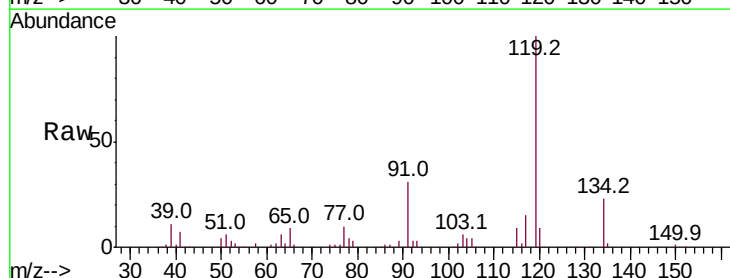
Instrument :
 MSVOA_D
 ClientSampleId :

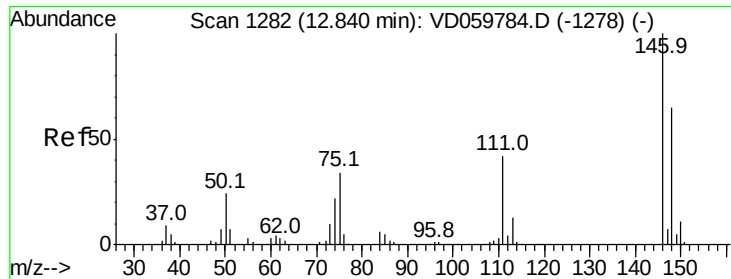
Tot Ion:105 Resp: 222293
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 19.809 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion:119 Resp: 180043
 Ion Ratio Lower Upper
 119 100
 134 23.4 10.9 32.6
 91 30.7 16.4 49.4

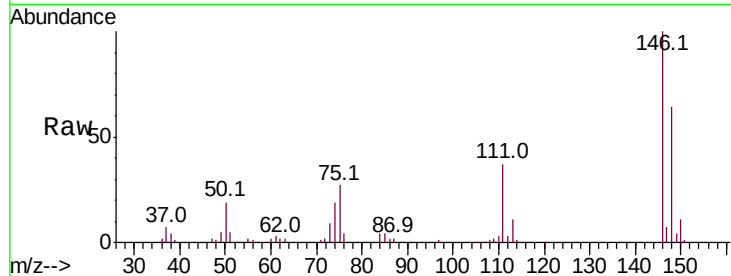




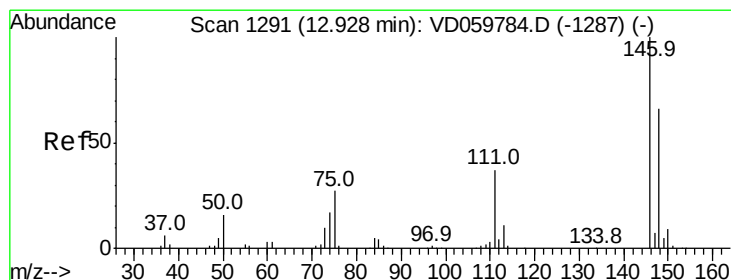
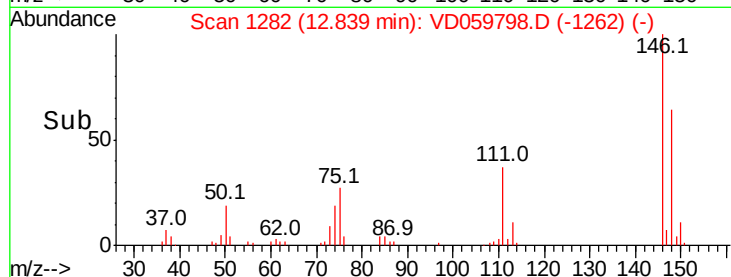
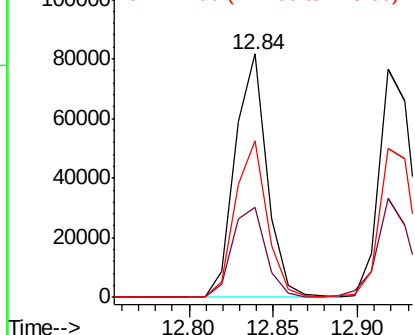
#87
 1,3-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 107564
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.9 62.8
 148 64.3 32.6 97.8

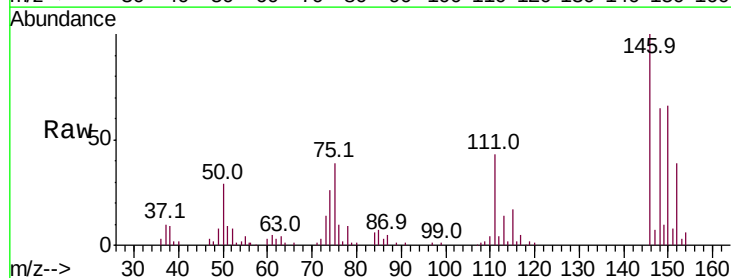


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

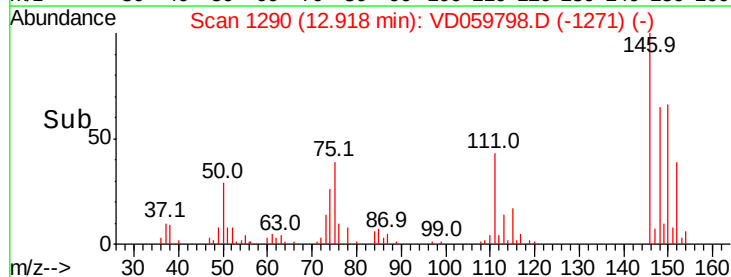
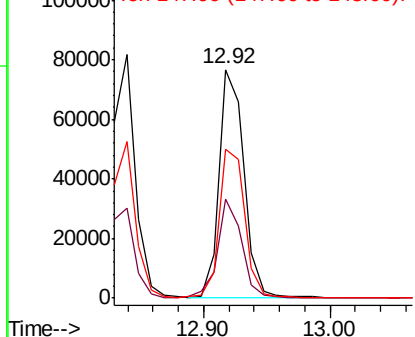


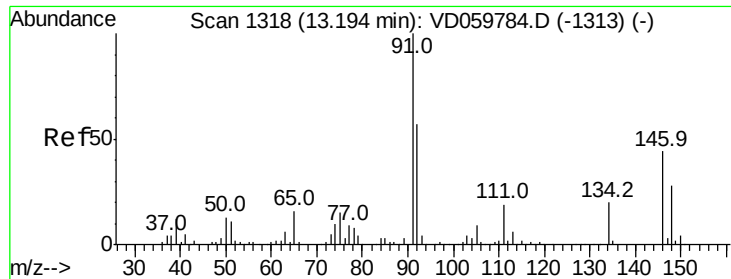
#88
 1,4-Dichlorobenzene
 Concen: 19.550 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion:146 Resp: 105199
 Ion Ratio Lower Upper
 146 100
 111 43.4 18.6 55.6
 148 65.1 33.0 99.0



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: 20.102 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

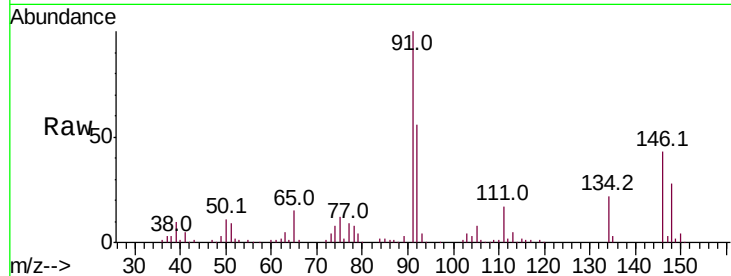
Tot Ion: 91 Resp: 184726

Ion Ratio Lower Upper

91 100

92 56.4 28.4 85.3

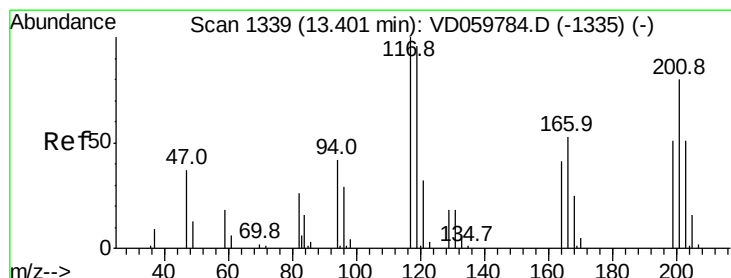
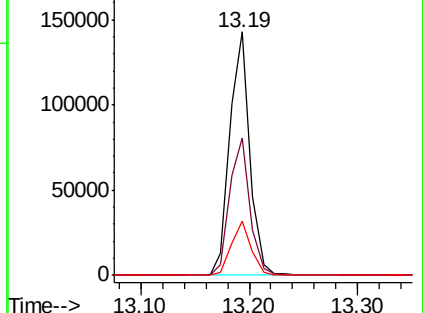
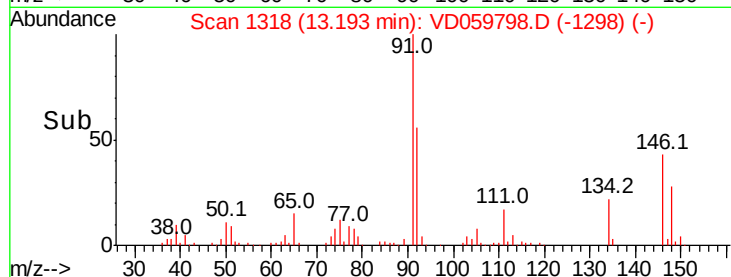
134 22.2 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.134 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VD059798.D

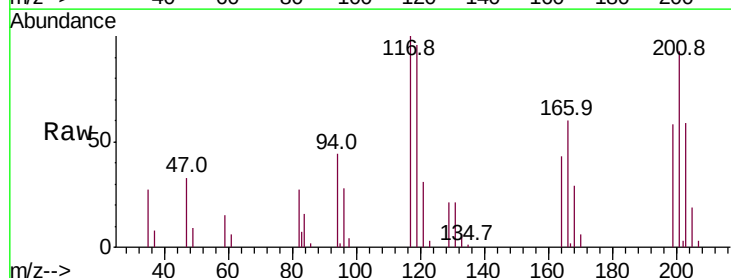
Acq: 15 Aug 2018 16:24

Tgt Ion: 117 Resp: 45920

Ion Ratio Lower Upper

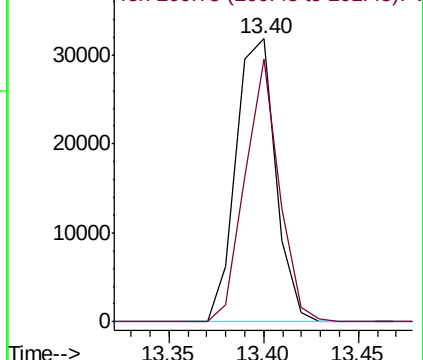
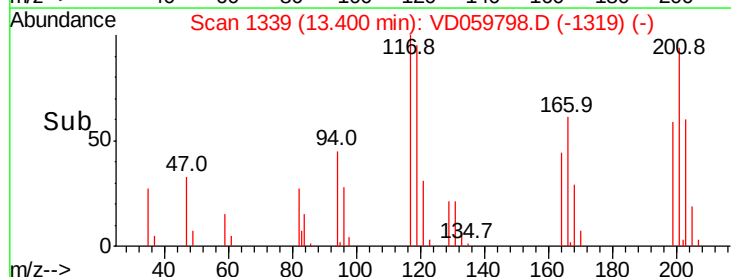
117 100

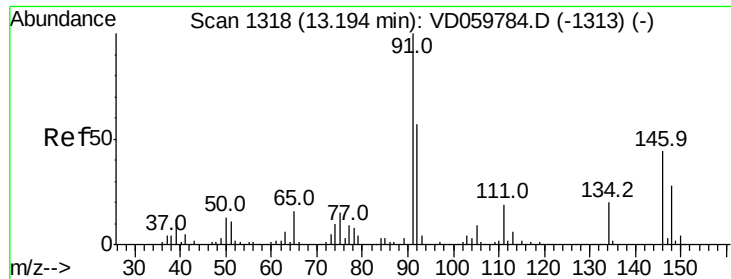
201 93.1 39.9 119.7



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

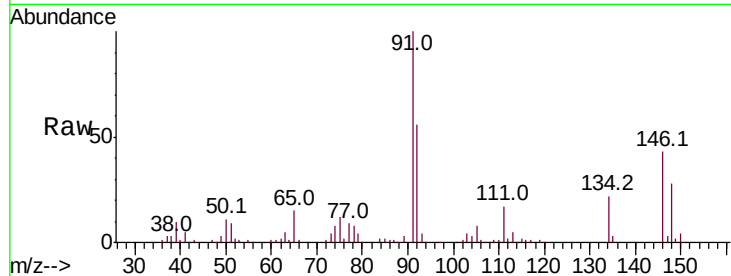




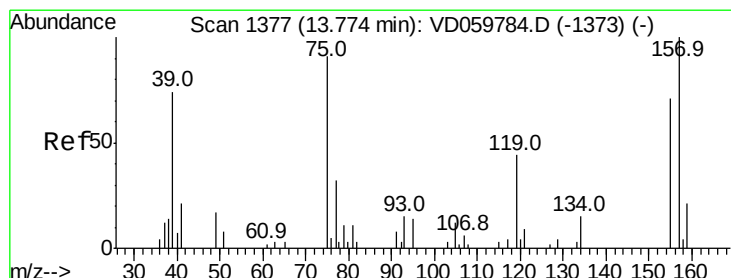
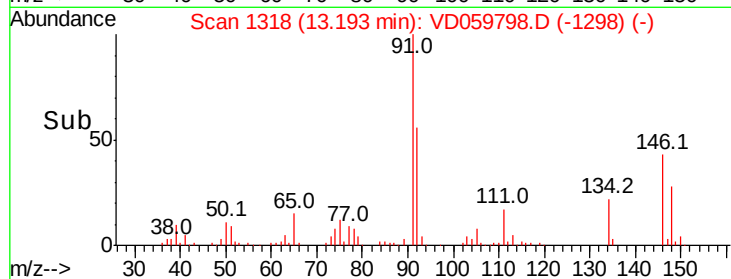
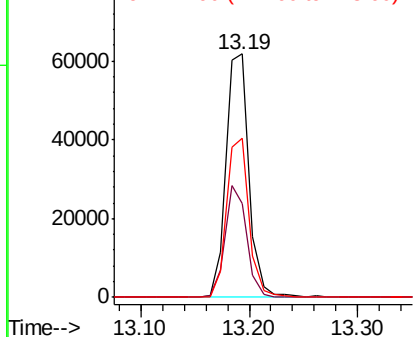
#91
 1,2-Dichlorobenzene
 Concen: 20.390 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 91024
 Ion Ratio Lower Upper
 146 100
 111 38.6 21.1 63.1
 148 65.6 32.0 96.2

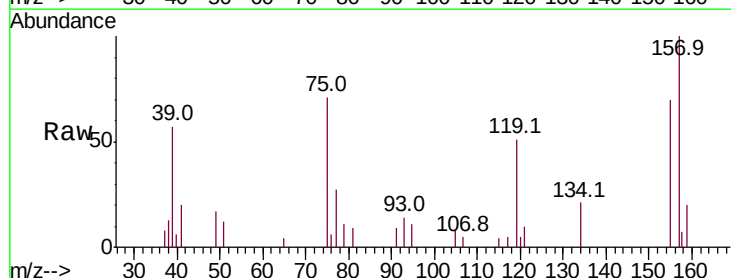


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

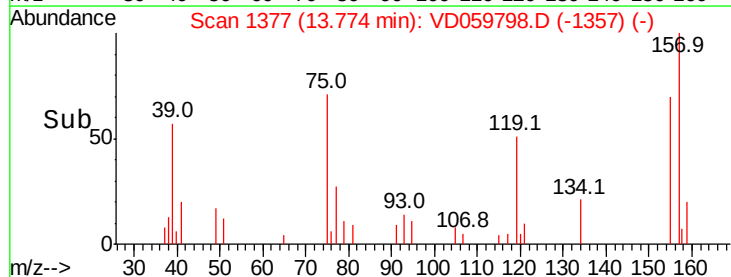
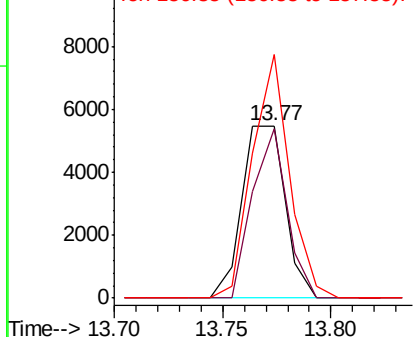


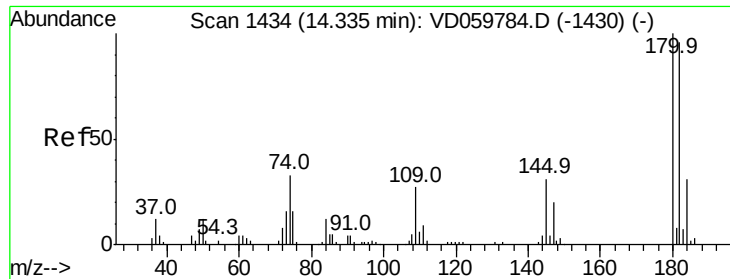
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.096 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion: 75 Resp: 7712
 Ion Ratio Lower Upper
 75 100
 155 98.1 39.0 117.0
 157 141.1 54.8 164.3



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

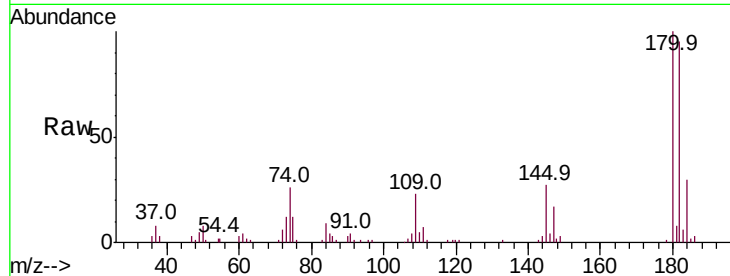




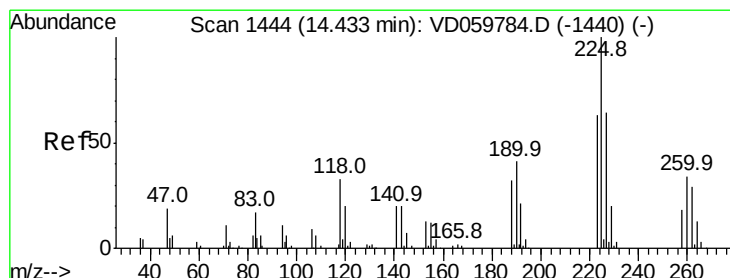
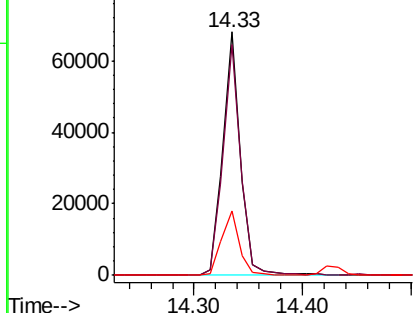
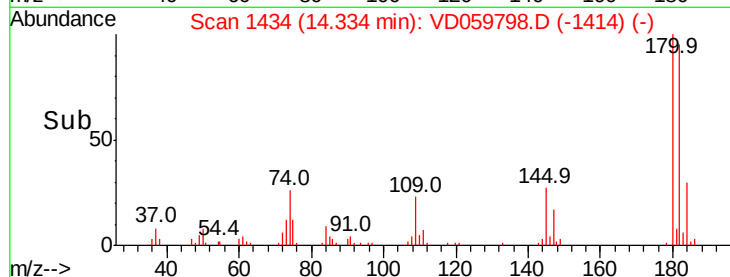
#93
 1,2,4-Trichlorobenzene
 Concen: 20.502 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 76528
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.0 144.0
 145 26.6 15.5 46.5

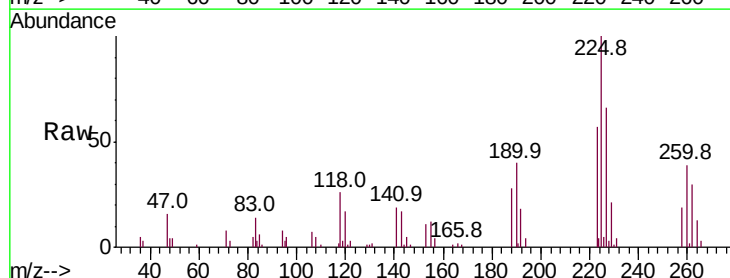


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

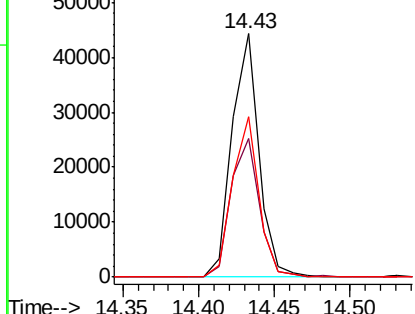
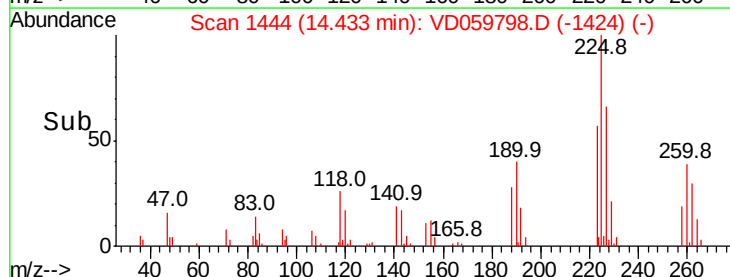


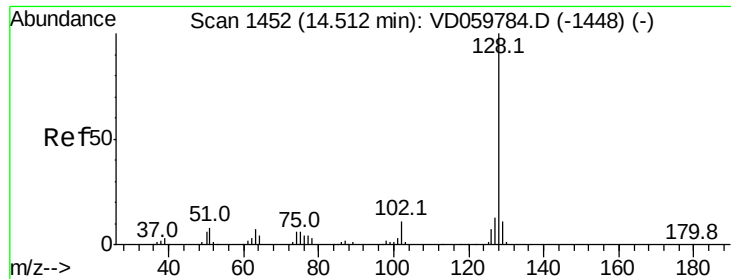
#94
 Hexachlorobutadiene
 Concen: 19.760 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059798.D
 Acq: 15 Aug 2018 16:24

Tgt Ion:225 Resp: 54445
 Ion Ratio Lower Upper
 225 100
 223 56.8 31.4 94.2
 227 65.7 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 20.088 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

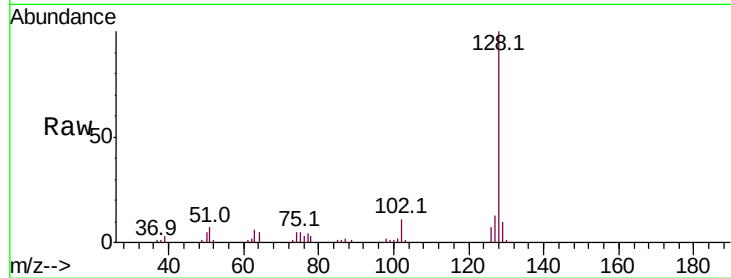
Tot Ion:128 Resp: 114802

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

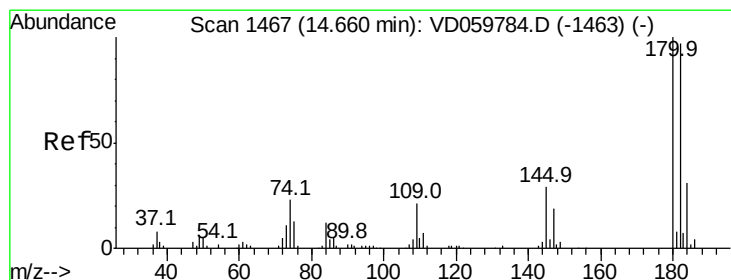
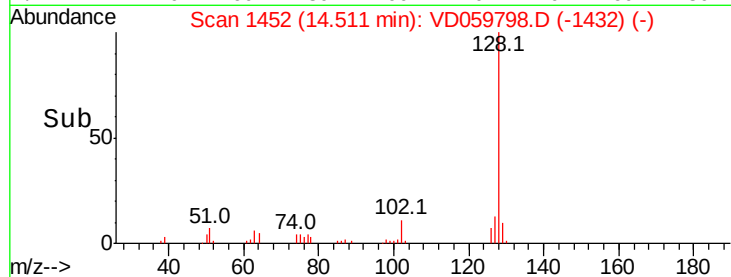
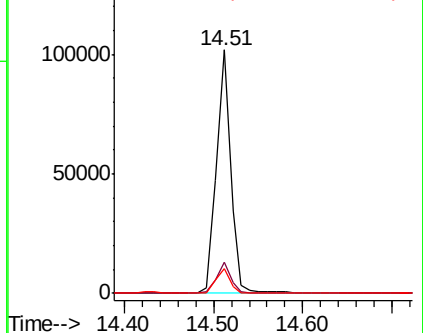
129 10.2 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.383 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059798.D

Acq: 15 Aug 2018 16:24

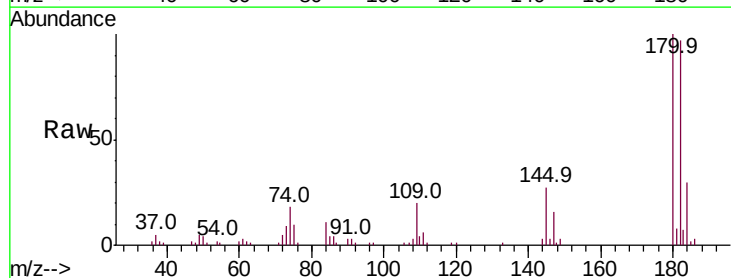
Tgt Ion:180 Resp: 63843

Ion Ratio Lower Upper

180 100

182 96.9 48.5 145.5

145 26.9 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

