

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060076.D
 Acq On : 24 Sep 2018 11:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 24 15:00:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1670611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2435873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1891745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1011033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	692075	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	6.29	113	967379	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	9.43	98	2690925	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.42	95	1026743	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	889217	50.424	ug/l	99
3) Chloromethane	1.75	50	841173	54.000	ug/l	99
4) Vinyl Chloride	1.85	62	696195	55.596	ug/l	100
5) Bromomethane	2.13	94	107855	72.765	ug/l	90
6) Chloroethane	2.24	64	190882	68.183	ug/l	97
7) Trichlorofluoromethane	2.50	101	783213	56.810	ug/l	98
8) Diethyl Ether	2.81	74	169743	57.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	517305	59.505	ug/l	99
10) Methyl Iodide	3.22	142	547727	59.487	ug/l	97
11) Tert butyl alcohol	3.94	59	241688	229.910	ug/l	96
12) 1,1-Dichloroethene	3.06	96	423317	61.584	ug/l	92
13) Acrolein	2.97	56	129849	199.464	ug/l	100
14) Allyl chloride	3.51	41	858739	59.238	ug/l	98
15) Acrylonitrile	4.06	53	1045251	263.414	ug/l	99
16) Acetone	3.14	43	687212	273.211	ug/l	97
17) Carbon Disulfide	3.29	76	1374489	58.035	ug/l	100
18) Methyl Acetate	3.53	43	295911	57.847	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	1681325	52.937	ug/l	99
20) Methylene Chloride	3.70	84	989700	56.191	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	961516	53.304	ug/l	95
22) Diisopropyl ether	4.83	45	3544634	53.605	ug/l	98
23) Vinyl Acetate	4.78	43	9887645	263.941	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1642291	55.344	ug/l	100
25) 2-Butanone	5.60	43	1584315	233.416	ug/l	99
26) 2,2-Dichloropropane	5.56	77	1293250	56.057	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	1043662	55.312	ug/l	100
28) Bromochloromethane	5.90	49	814200	57.081	ug/l	99
29) Tetrahydrofuran	5.93	42	907777	249.384	ug/l	99
30) Chloroform	6.08	83	1664024	55.296	ug/l	100
31) Cyclohexane	6.34	56	1441076	49.807	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1379192	55.259	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1224559	50.609	ug/l	99
37) Ethyl Acetate	5.67	43	810898	48.734	ug/l	98
38) Carbon Tetrachloride	6.47	117	1132374	50.133	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1414137	51.664	ug/l	97
40) Benzene	6.77	78	3175287	51.487	ug/l	99
41) Methacrylonitrile	5.92	41	919902	105.553	ug/l #	83
42) 1,2-Dichloroethane	6.87	62	901634	48.691	ug/l	99
43) Isopropyl Acetate	8.32	43	1072966	48.161	ug/l #	100
44) Trichloroethene	7.71	130	982420	51.559	ug/l	99
45) 1,2-Dichloropropane	8.08	63	861964	52.270	ug/l	99
46) Dibromomethane	8.19	93	545469	50.695	ug/l	94
47) Bromodichloromethane	8.47	83	1205978	51.986	ug/l	99
48) Methyl methacrylate	8.22	41	605724	48.817	ug/l	98
49) 1,4-Dioxane	8.20	88	119439	969.162	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	3278774	219.722	ug/l	100
52) Toluene	9.52	92	2102687	53.192	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	1116114	51.586	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	1340140	51.841	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	668722	48.723	ug/l	98
56) Ethyl methacrylate	10.01	69	758862	49.848	ug/l	96
57) 1,3-Dichloropropane	10.36	76	1028083	50.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1921644	261.402	ug/l	100
59) 2-Hexanone	10.47	43	2452870	231.559	ug/l	98
60) Dibromochloromethane	10.62	129	851282	50.958	ug/l	99
61) 1,2-Dibromoethane	10.74	107	722277	50.969	ug/l	96
64) Tetrachloroethene	10.23	164	873931	52.360	ug/l	98
65) Chlorobenzene	11.29	112	2206219	54.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	739725	53.924	ug/l	98
67) Ethyl Benzene	11.41	91	3507849	53.594	ug/l	100
68) m/p-Xylenes	11.55	106	2639415	109.189	ug/l	99
69) o-Xylene	11.92	106	1315830	54.937	ug/l	95
70) Styrene	11.94	104	2189307	54.362	ug/l	99
71) Bromoform	12.10	173	632345	53.653	ug/l	98
73) Isopropylbenzene	12.26	105	3464161	52.243	ug/l	98
74) N-amyl acetate	12.12	43	1343024	51.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	772924	51.383	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	790511	51.195	ug/l	100
77) Bromobenzene	12.52	156	1019294	53.365	ug/l	93
78) n-propylbenzene	12.62	91	4454270	53.419	ug/l	98
79) 2-Chlorotoluene	12.69	91	2413577	51.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	2719899	53.517	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	241176	51.742	ug/l	94
82) 4-Chlorotoluene	12.80	91	2725073	52.666	ug/l	93
83) tert-Butylbenzene	13.04	119	3183369	54.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	2928707	54.000	ug/l	97
85) sec-Butylbenzene	13.21	105	3803876	54.425	ug/l	97
86) p-Isopropyltoluene	13.33	119	3083362	54.545	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1829226	55.072	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1764888	52.386	ug/l	98
89) n-Butylbenzene	13.64	91	2982666	57.999	ug/l	98
90) Hexachloroethane	13.84	117	769688	54.973	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	1484037	56.557	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	107672	46.953	ug/l	67

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

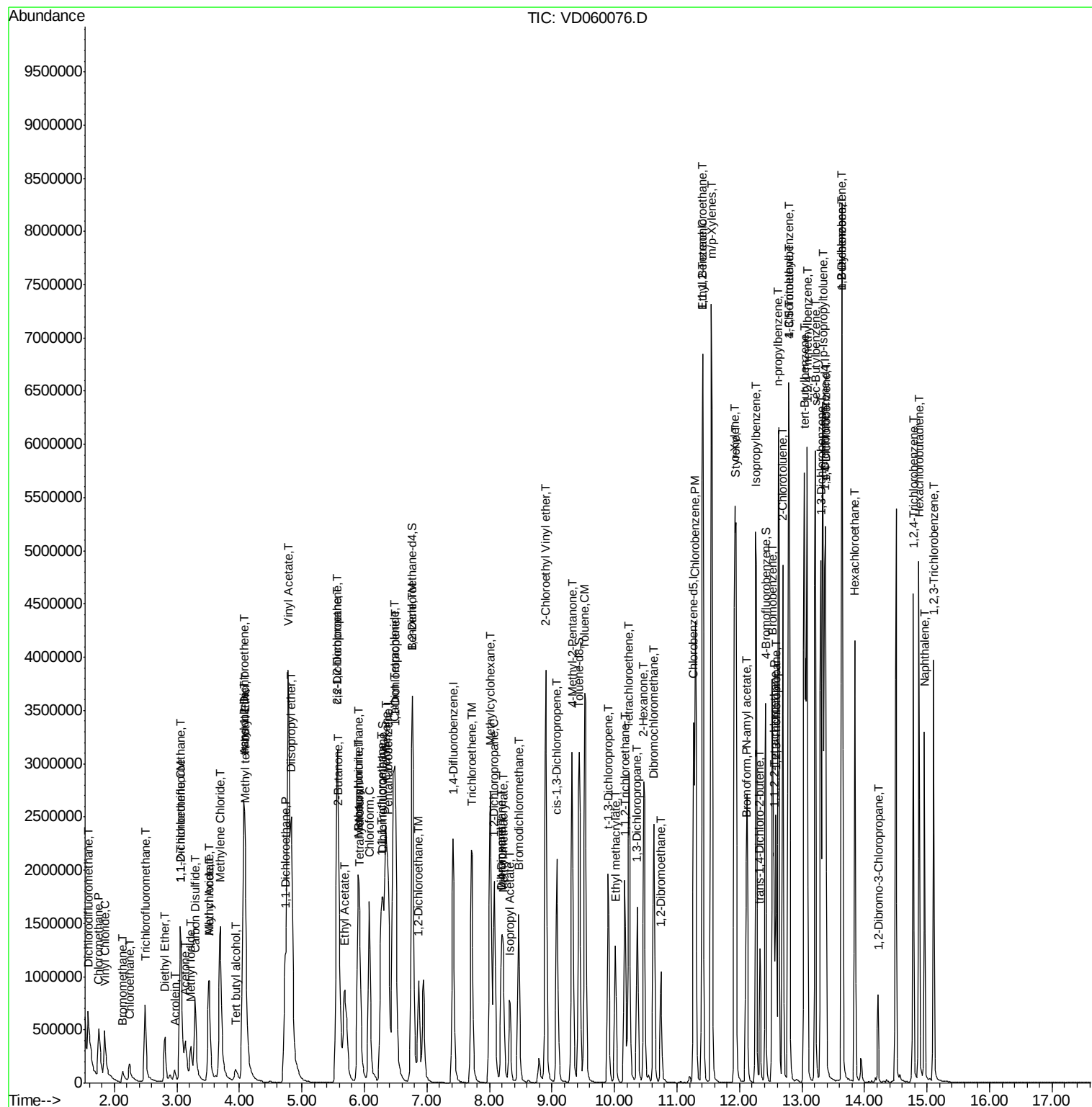
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1259921	53.229	ug/l	98
94) Hexachlorobutadiene	14.87	225	859167	54.872	ug/l	100
95) Naphthalene	14.95	128	1857675	50.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1063876	51.003	ug/l	99

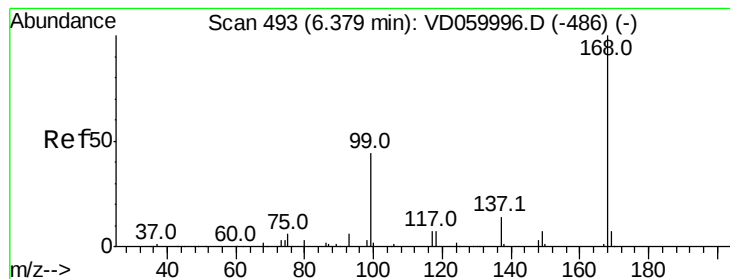
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

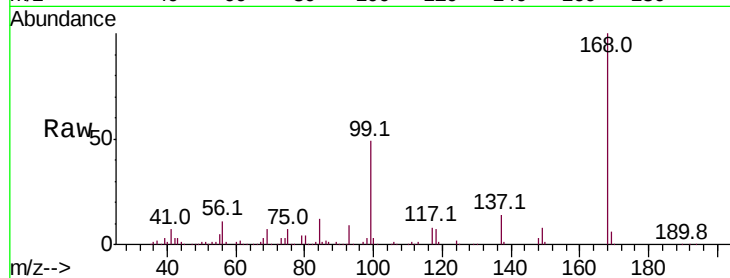
VSTDCCC050

Tot Ion:168 Resp: 1670611

Ion Ratio Lower Upper

168 100

99 48.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

600000

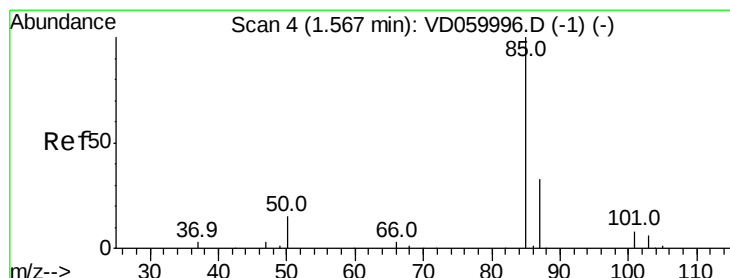
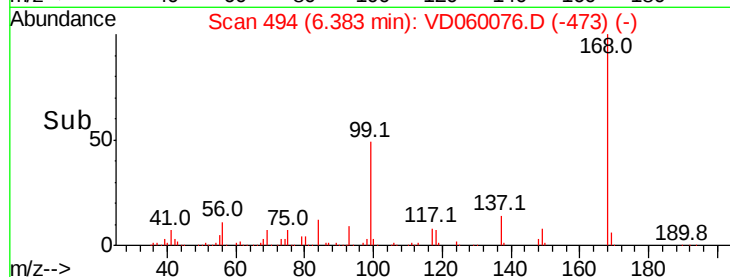
400000

200000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 50.424 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.01 min

Lab File: VD060076.D

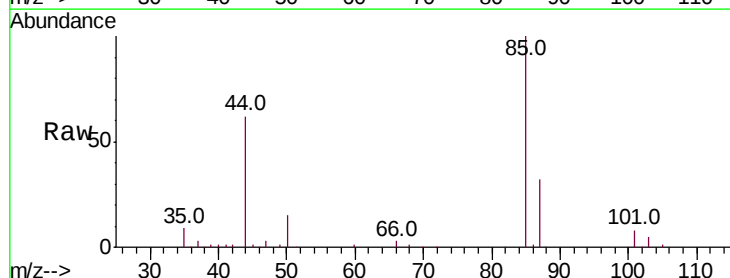
Acq: 24 Sep 2018 11:54

Tgt Ion: 85 Resp: 889217

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

300000

250000

200000

150000

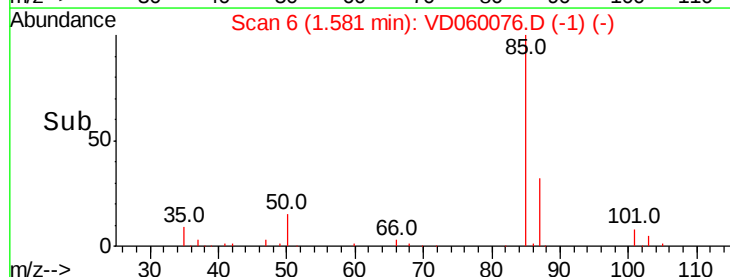
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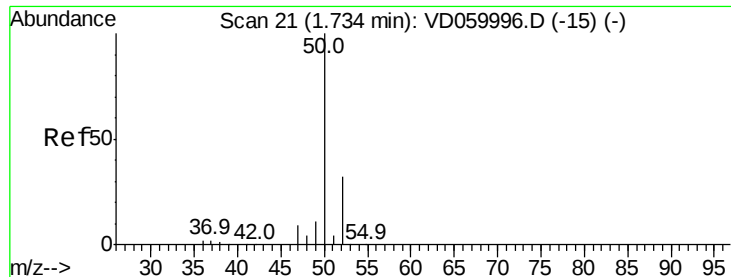
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 54.000 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

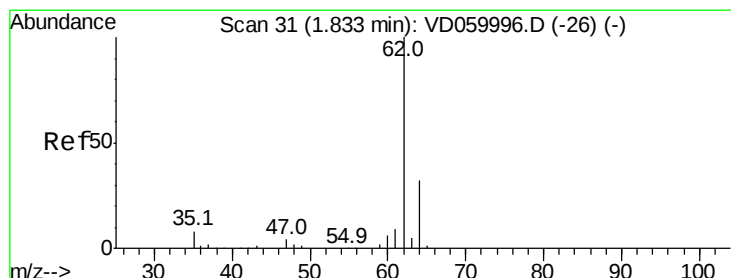
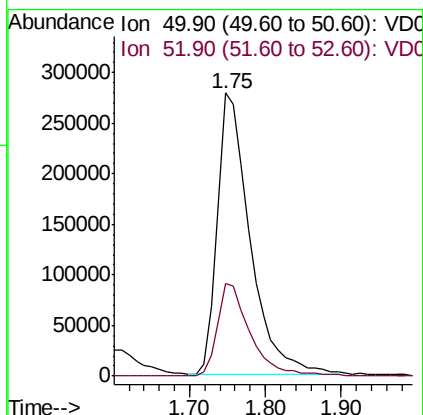
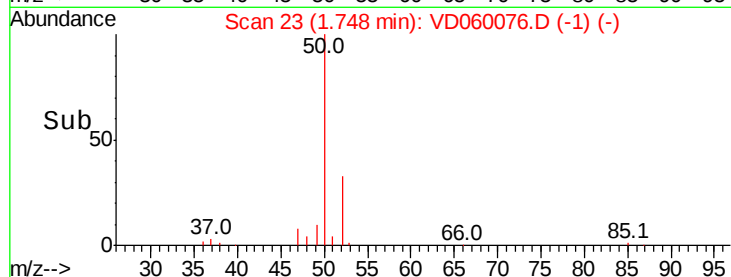
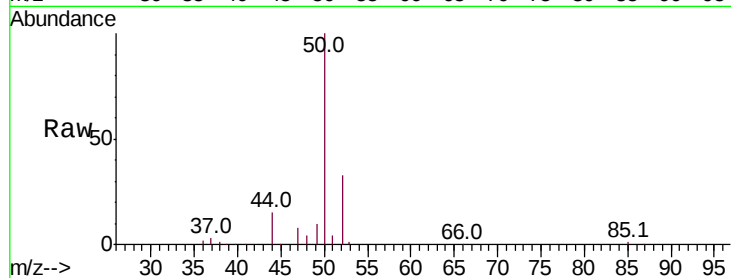
VSTDCCC050

Tot Ion: 50 Resp: 841173

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 55.596 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD060076.D

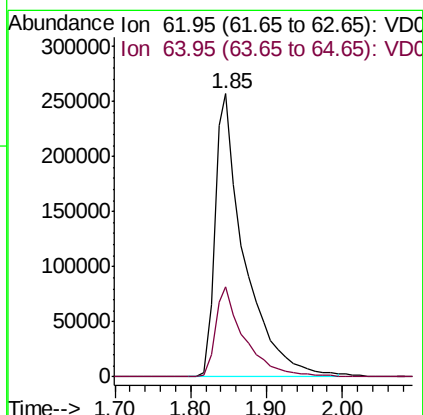
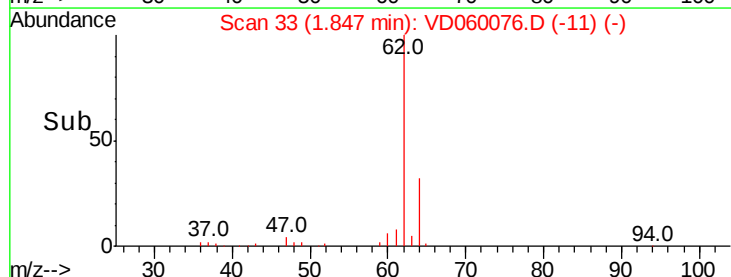
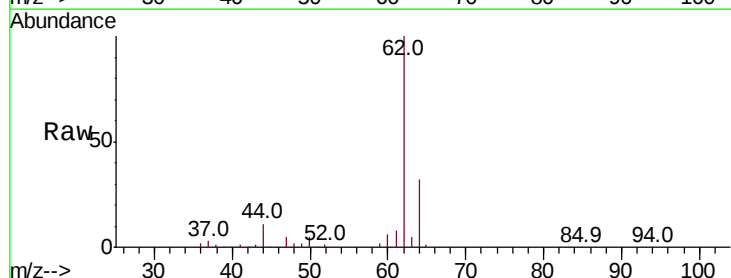
Acq: 24 Sep 2018 11:54

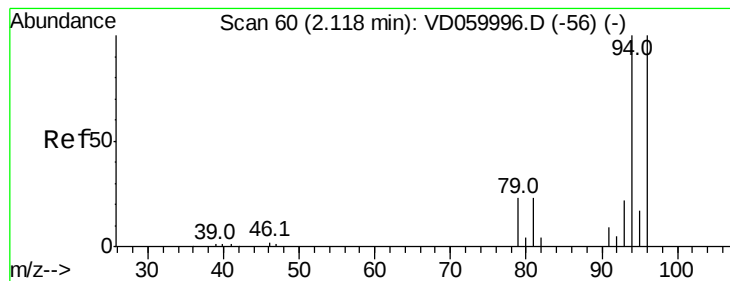
Tgt Ion: 62 Resp: 696195

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 72.765 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

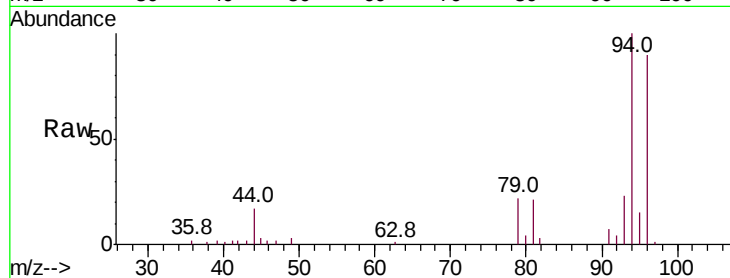
VSTDCCC050

Tot Ion: 94 Resp: 107855

Ion Ratio Lower Upper

94 100

96 89.8 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

40000

30000

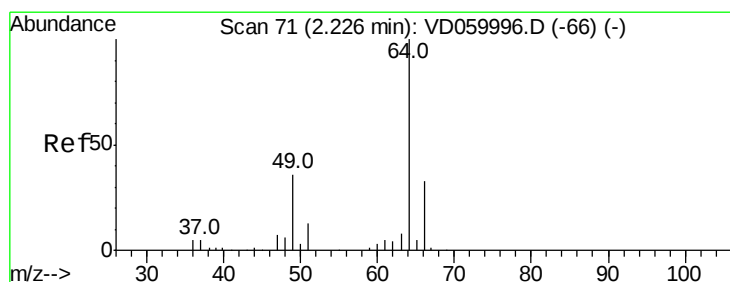
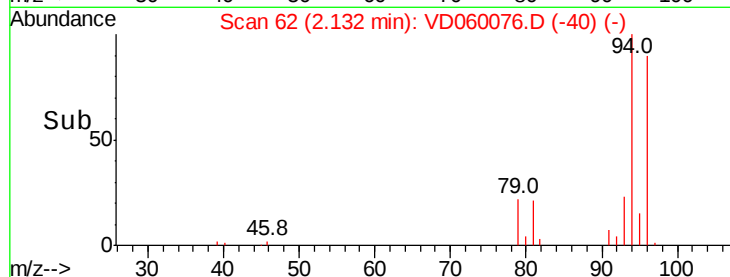
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 68.183 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060076.D

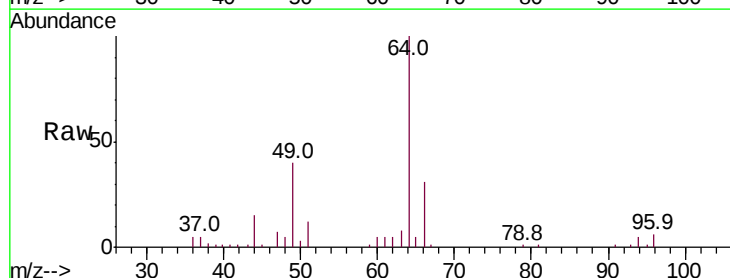
Acq: 24 Sep 2018 11:54

Tgt Ion: 64 Resp: 190882

Ion Ratio Lower Upper

64 100

66 31.4 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

60000

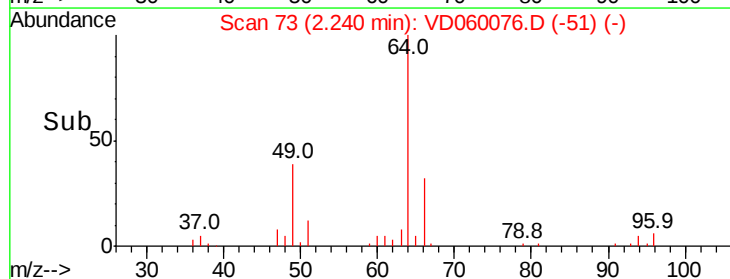
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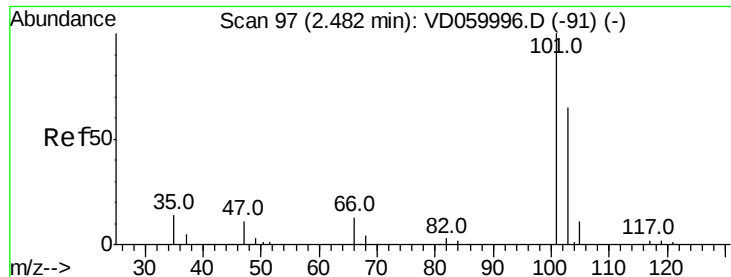
20000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 56.810 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.01 min

Lab File: VD060076.D

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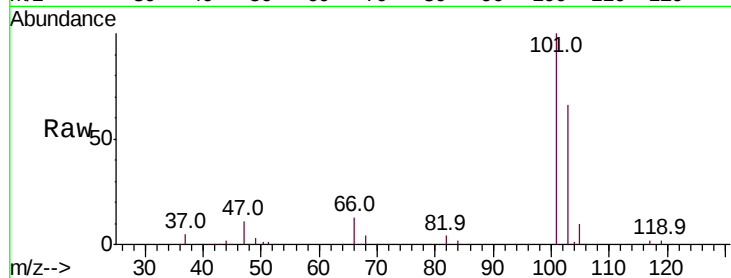
VSTDCCC050

Tot Ion:101 Resp: 783213

Ion Ratio Lower Upper

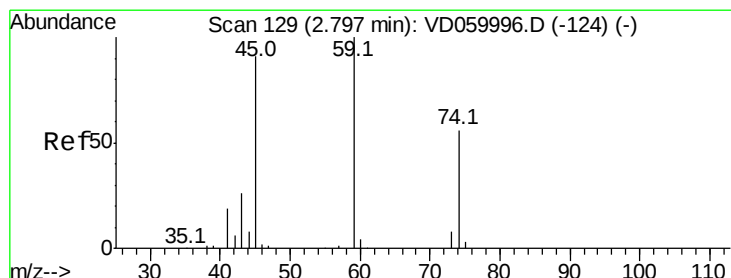
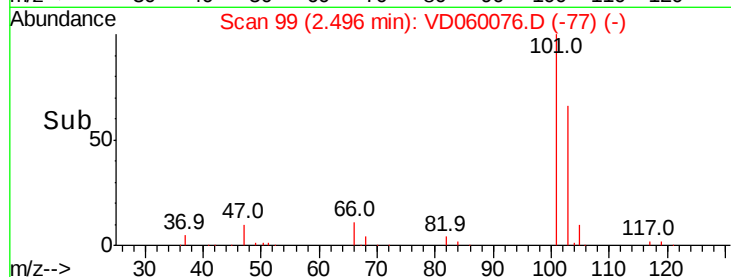
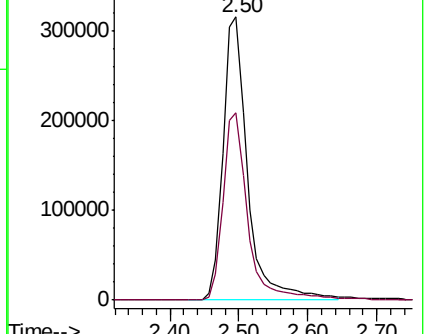
101 100

103 66.3 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 57.919 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060076.D

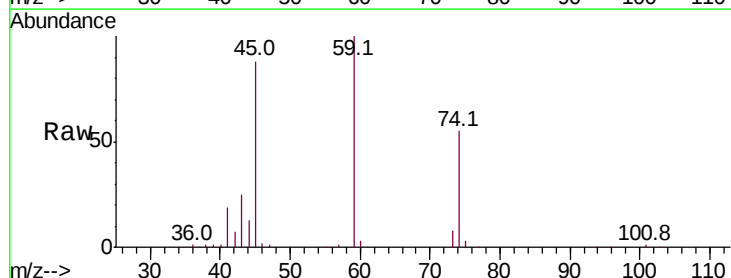
Acq: 24 Sep 2018 11:54

Tgt Ion: 74 Resp: 169743

Ion Ratio Lower Upper

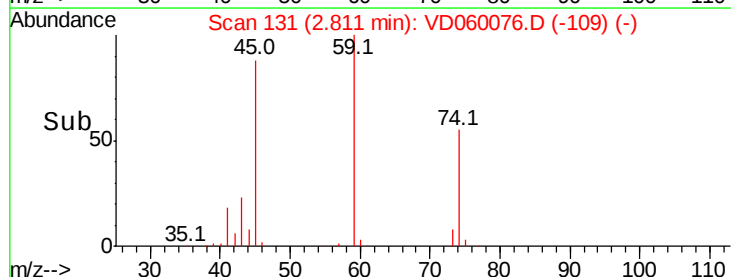
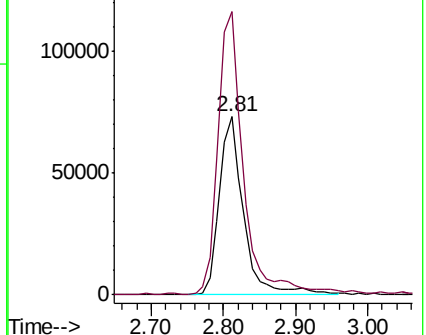
74 100

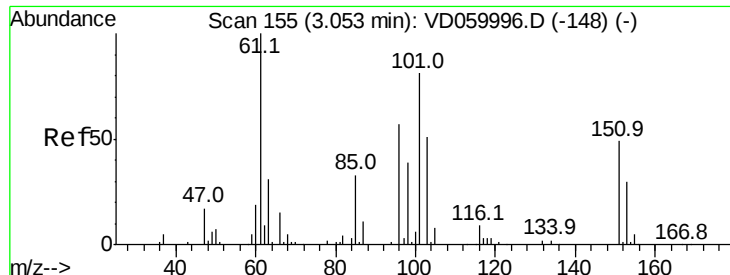
45 159.1 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.505 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

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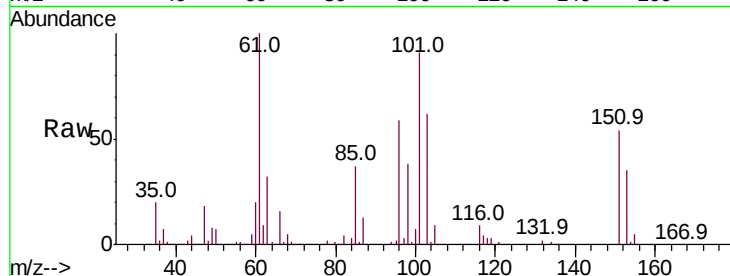
Tot Ion:101 Resp: 517305

Ion Ratio Lower Upper

101 100

85 40.9 33.1 49.7

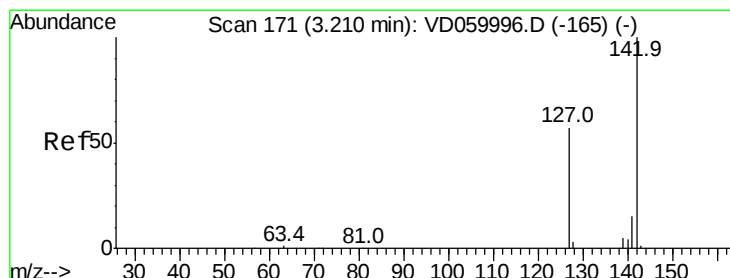
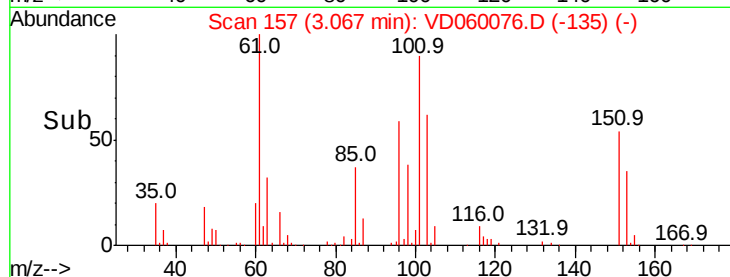
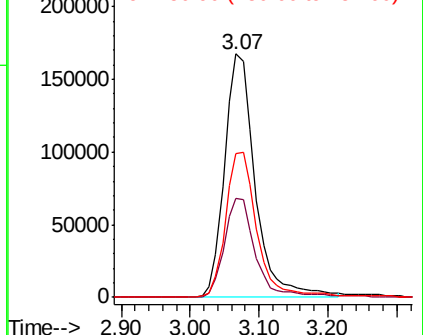
151 59.0 48.2 72.4



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: 59.487 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

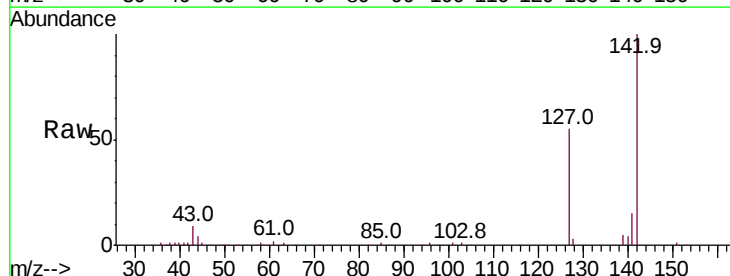
Tgt Ion:142 Resp: 547727

Ion Ratio Lower Upper

142 100

127 54.6 45.8 68.8

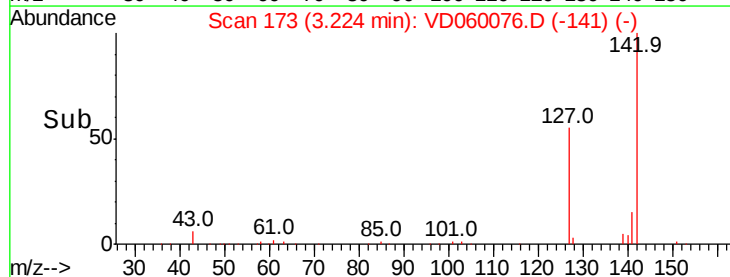
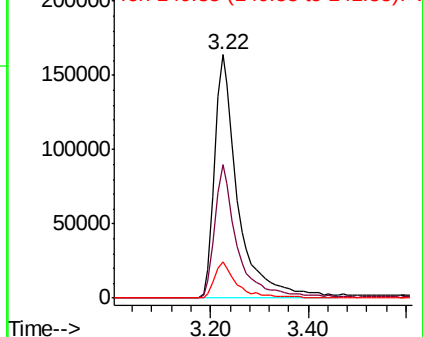
141 14.8 12.2 18.4

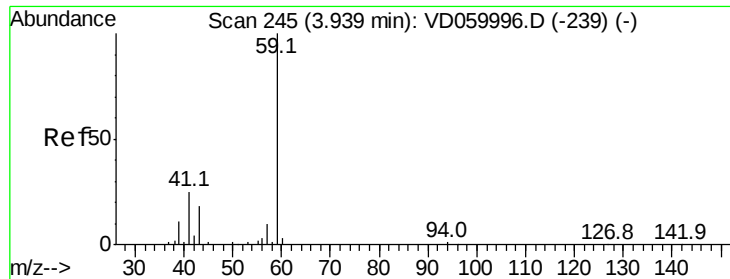


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 229.910 ug/l

RT: 3.94 min Scan# 246

Delta R.T. 0.00 min

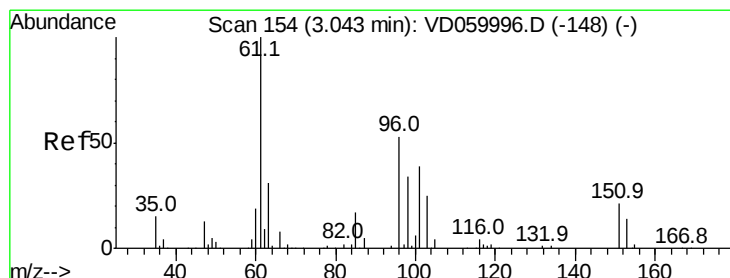
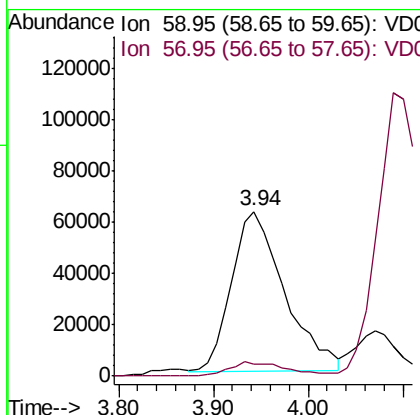
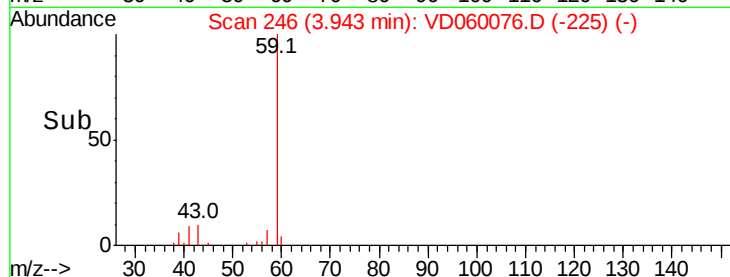
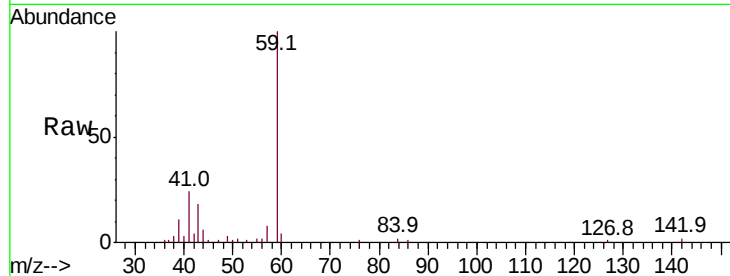
Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 241688

Ion	Ratio	Lower	Upper
59	100		
57	7.7	7.4	11.2



#12

1,1-Dichloroethene

Concen: 61.584 ug/l

RT: 3.06 min Scan# 156

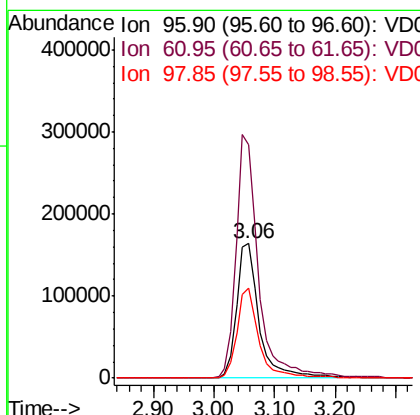
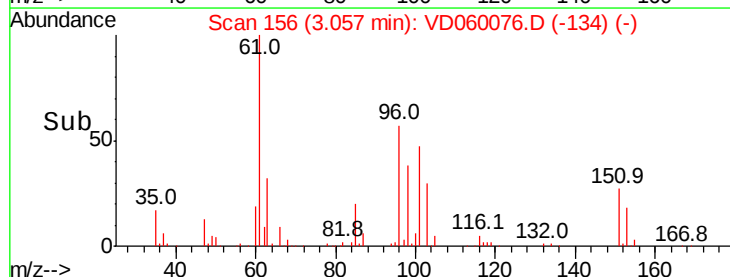
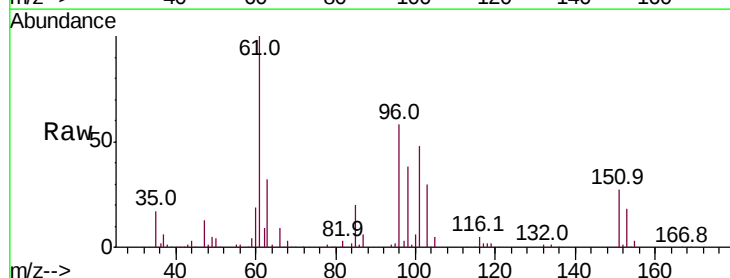
Delta R.T. 0.01 min

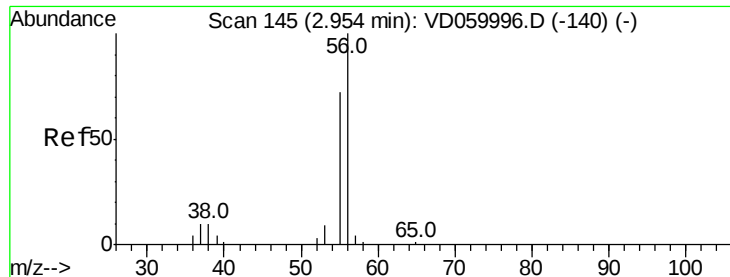
Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion: 96 Resp: 423317

Ion	Ratio	Lower	Upper
96	100		
61	173.4	149.8	224.6
98	66.6	50.2	75.4





#13

Acrolein

Concen: 199.464 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

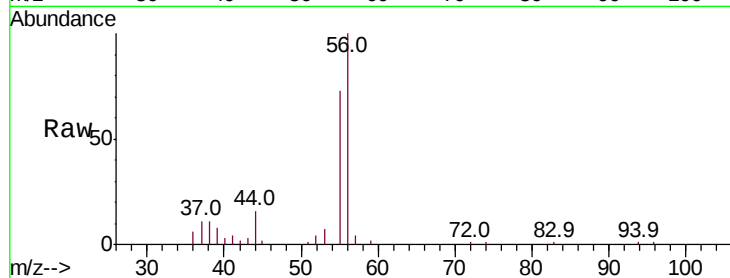
VSTDCCC050

Tot Ion: 56 Resp: 129849

Ion Ratio Lower Upper

56 100

55 73.0 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

50000

40000

30000

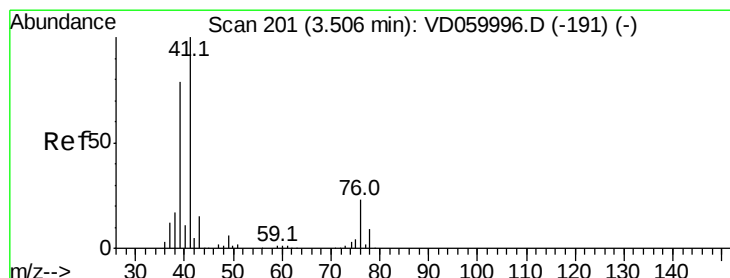
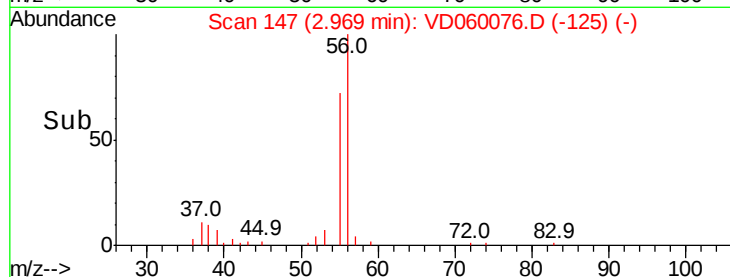
20000

10000

0

Time-->

2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 59.238 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

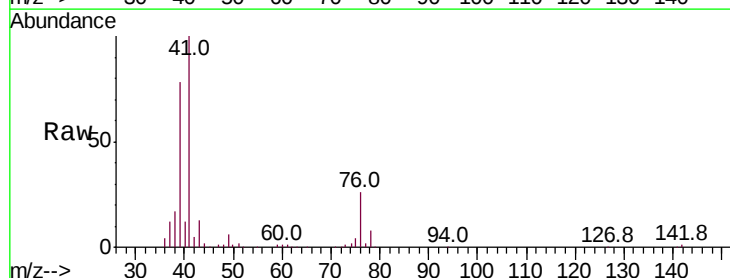
Tgt Ion: 41 Resp: 858739

Ion Ratio Lower Upper

41 100

39 78.2 63.6 95.4

76 25.5 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

300000

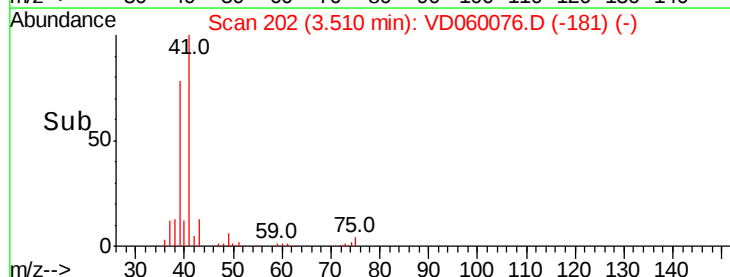
200000

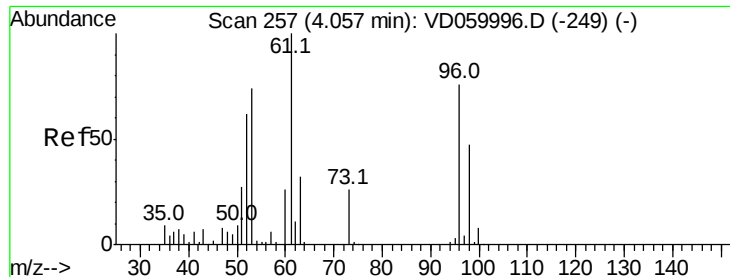
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 263.414 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

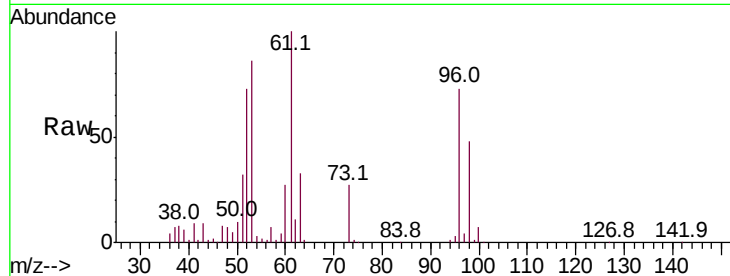
Tot Ion: 53 Resp: 1045251

Ion Ratio Lower Upper

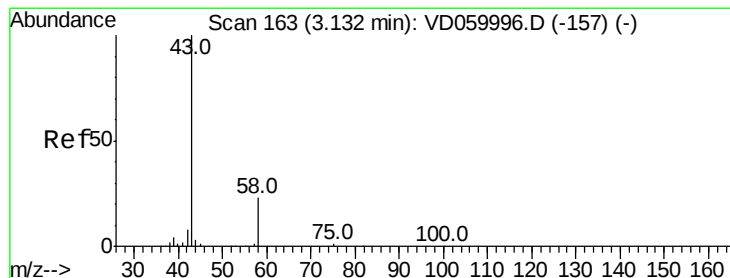
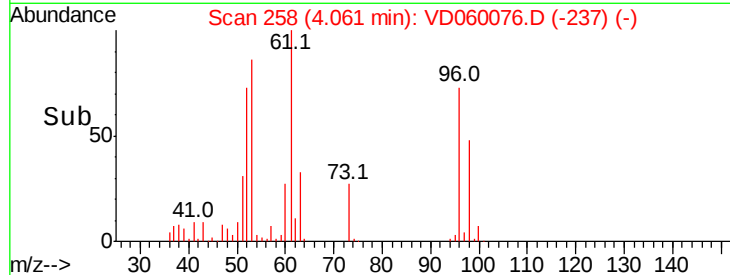
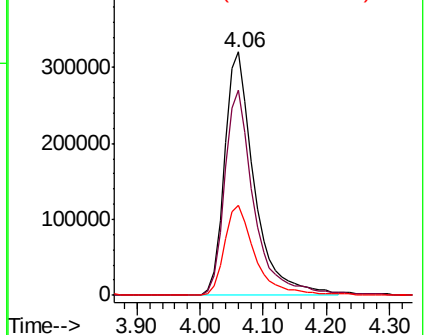
53 100

52 84.5 66.7 100.1

51 36.8 29.0 43.6



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: 273.211 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060076.D

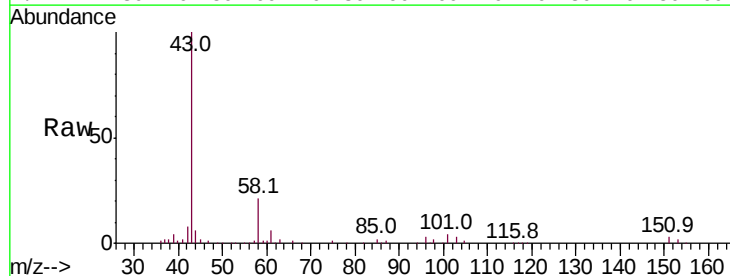
Acq: 24 Sep 2018 11:54

Tgt Ion: 43 Resp: 687212

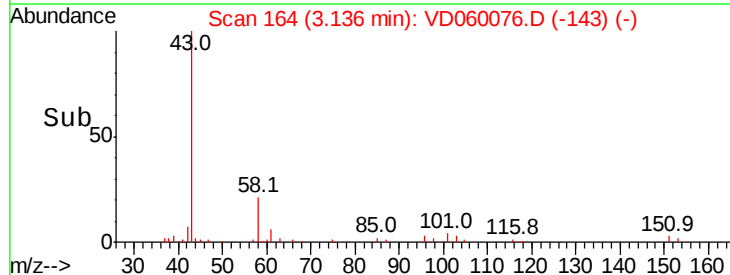
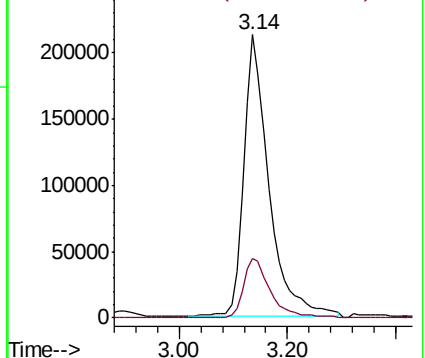
Ion Ratio Lower Upper

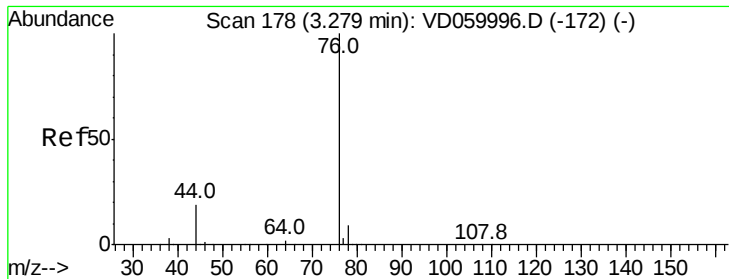
43 100

58 21.0 18.1 27.1



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





#17

Carbon Disulfide

Concen: 58.035 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

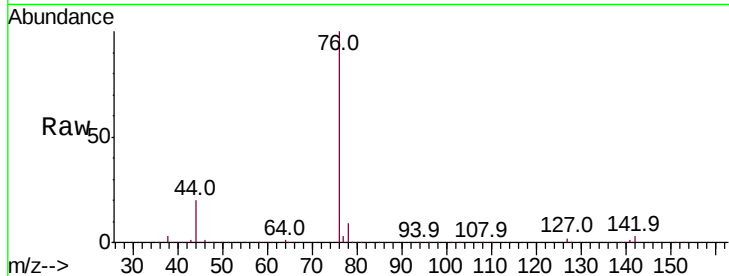
VSTDCCC050

Tot Ion: 76 Resp: 1374489

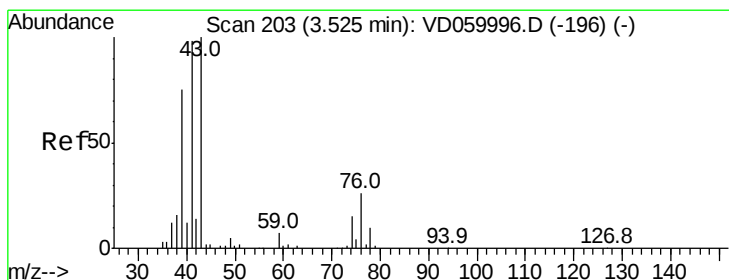
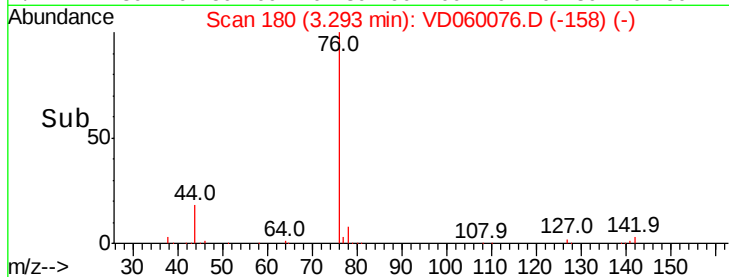
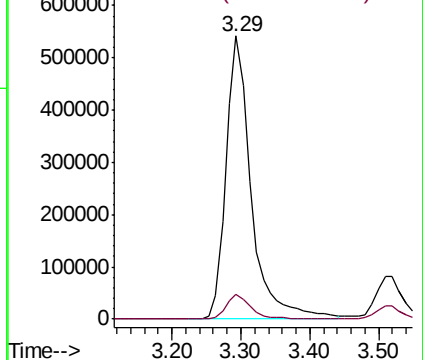
Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 57.847 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060076.D

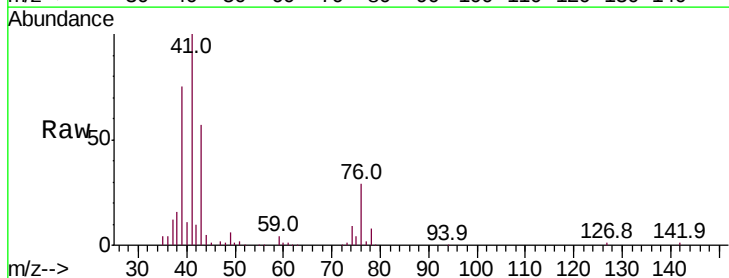
Acq: 24 Sep 2018 11:54

Tgt Ion: 43 Resp: 295911

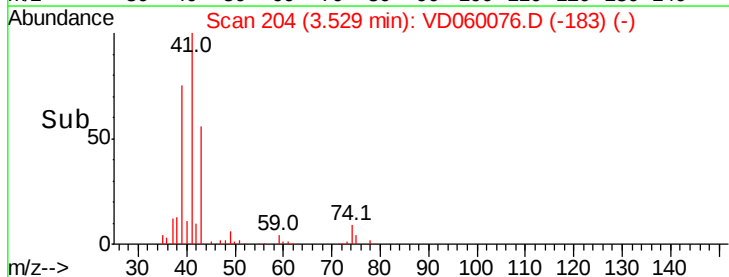
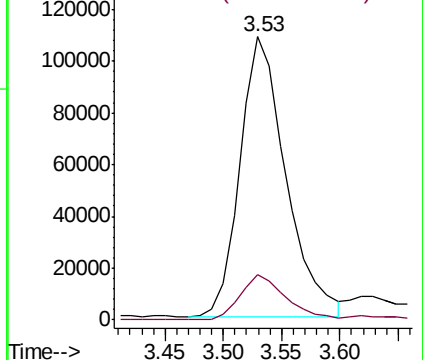
Ion Ratio Lower Upper

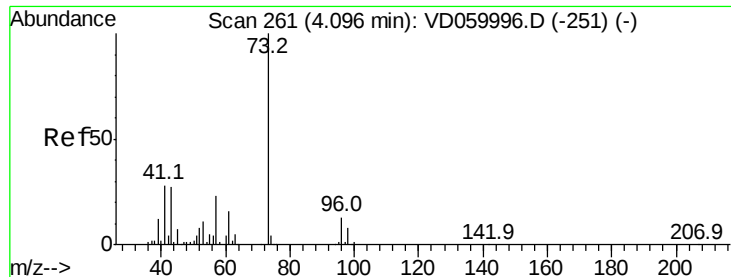
43 100

74 16.0 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 52.937 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

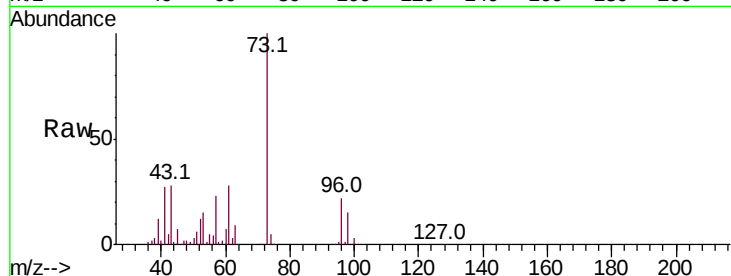
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1681325

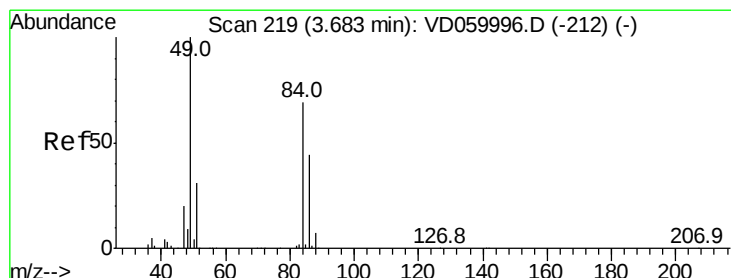
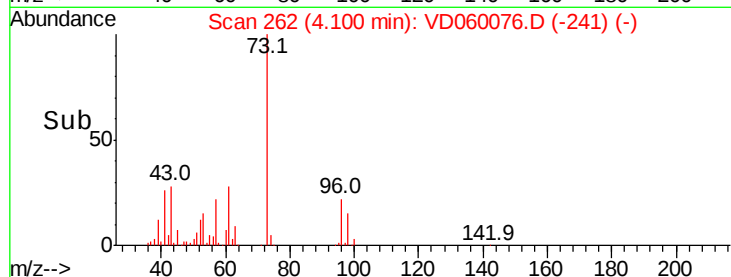
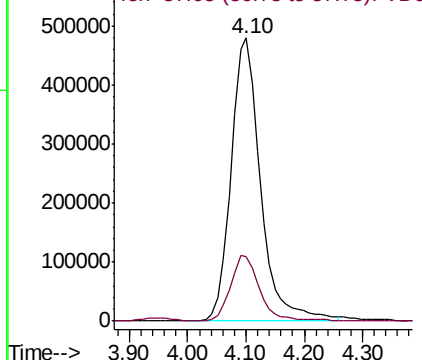
Ion Ratio Lower Upper

73 100

57 22.6 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 56.191 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 84 Resp: 989700

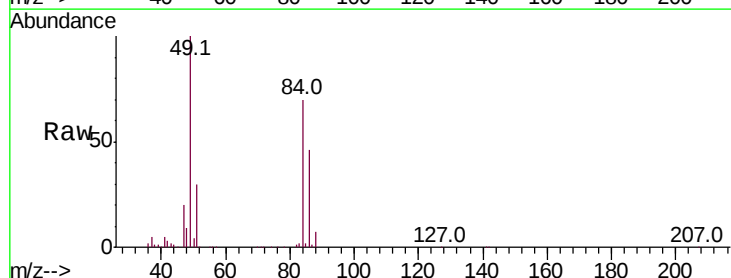
Ion Ratio Lower Upper

84 100

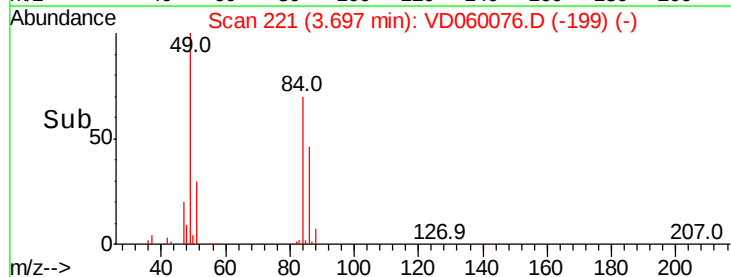
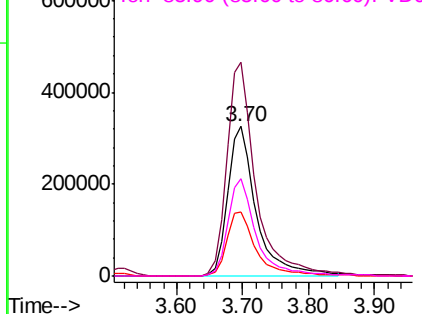
49 143.1 116.6 175.0

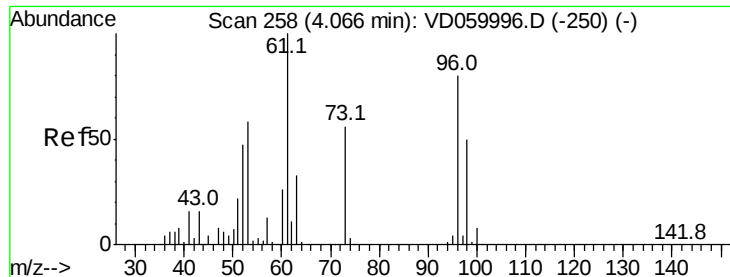
51 43.3 35.9 53.9

86 65.2 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 53.304 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

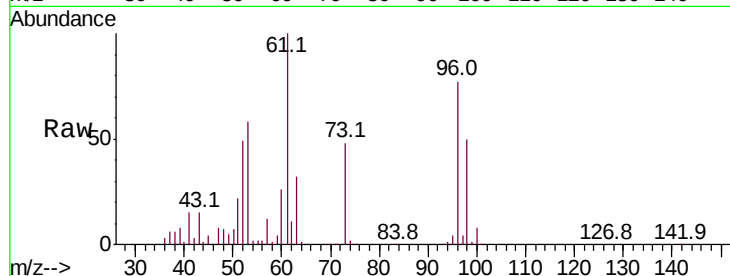
Tot Ion: 96 Resp: 961516

Ion Ratio Lower Upper

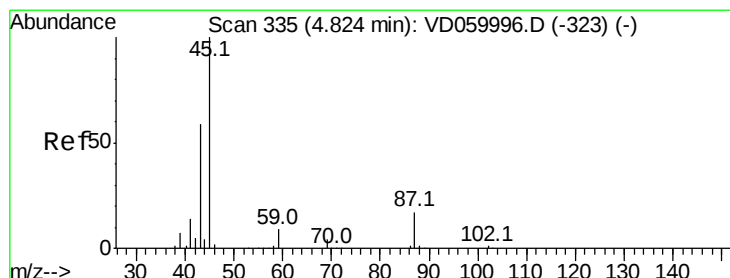
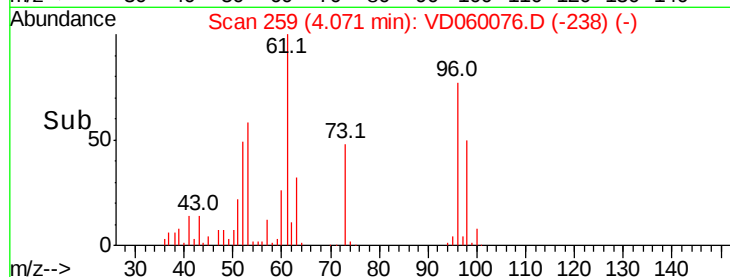
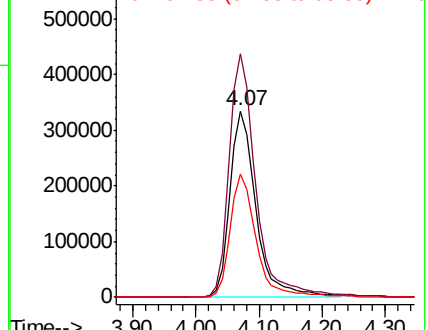
96 100

61 130.4 100.1 150.1

98 65.7 49.5 74.3



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



#22

Diisopropyl ether

Concen: 53.605 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion: 45 Resp: 3544634

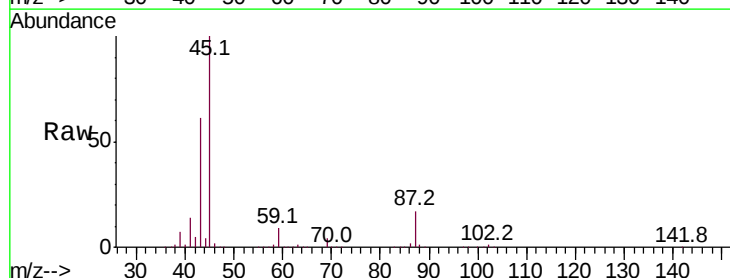
Ion Ratio Lower Upper

45 100

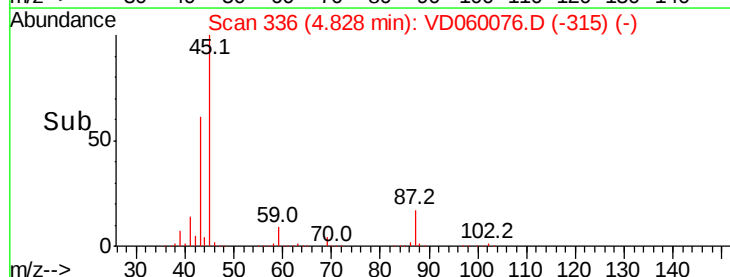
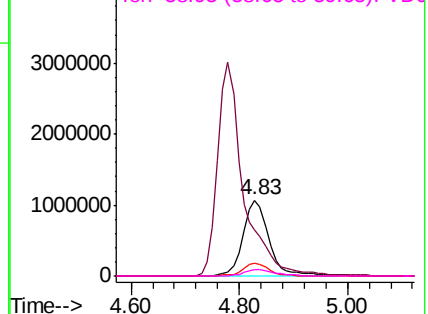
43 60.6 47.1 70.7

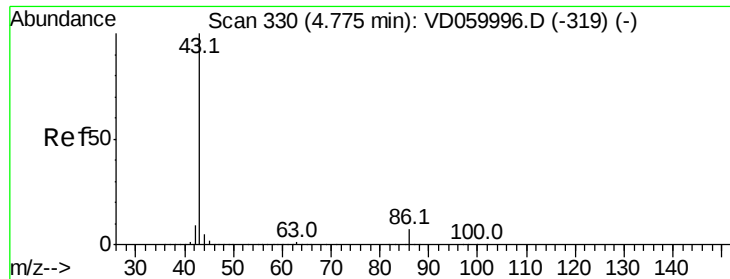
87 17.0 14.2 21.2

59 9.0 7.0 10.6



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





#23

Vinyl Acetate

Concen: 263.941 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

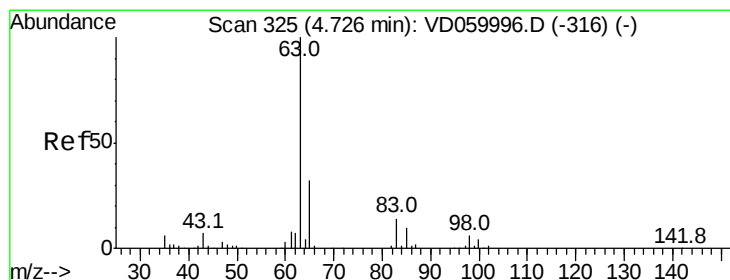
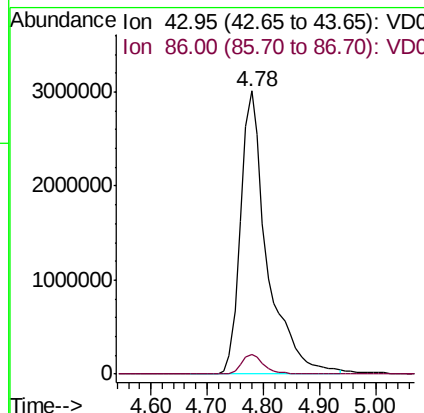
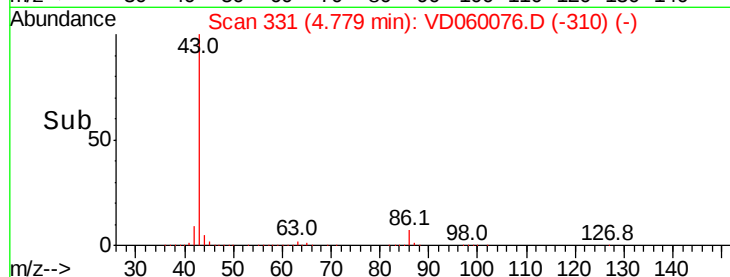
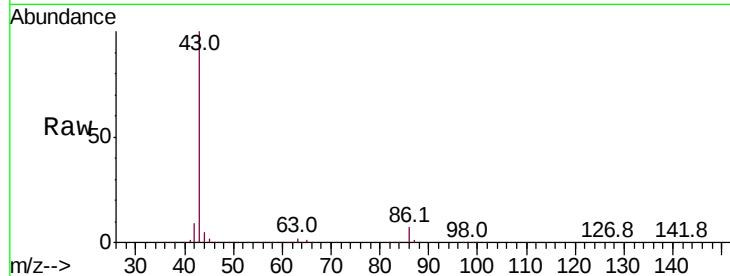
VSTDCCC050

Tot Ion: 43 Resp: 9887645

Ion Ratio Lower Upper

43 100

86 6.9 5.5 8.3



#24

1,1-Dichloroethane

Concen: 55.344 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

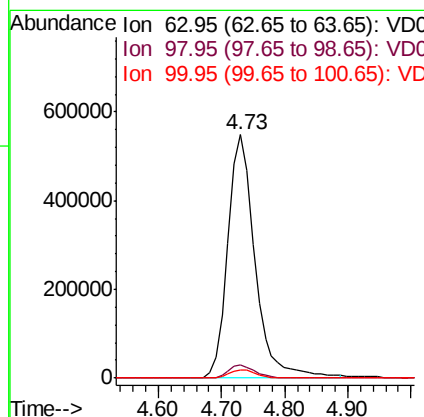
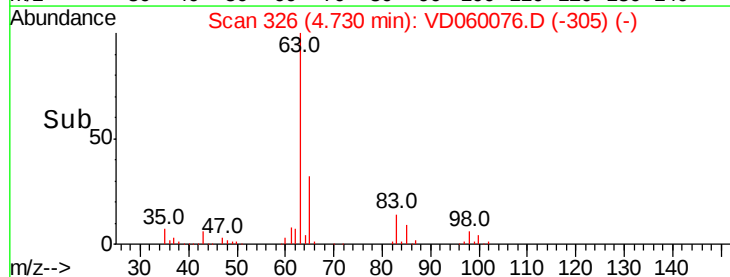
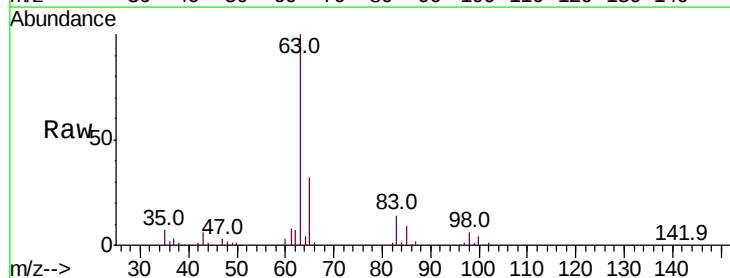
Tgt Ion: 63 Resp: 1642291

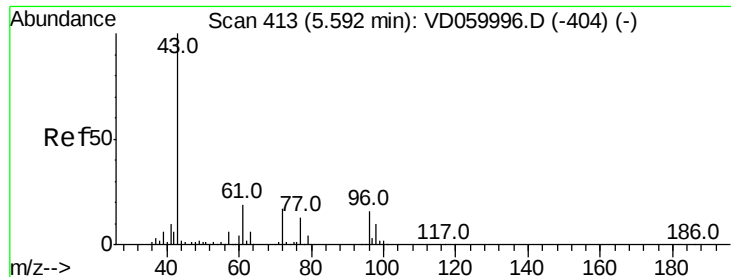
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 233.416 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

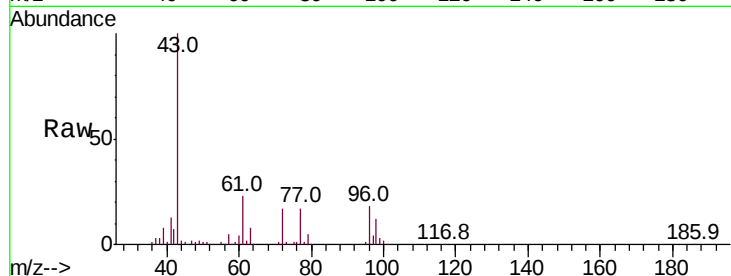
VSTDCCC050

Tot Ion: 43 Resp: 1584315

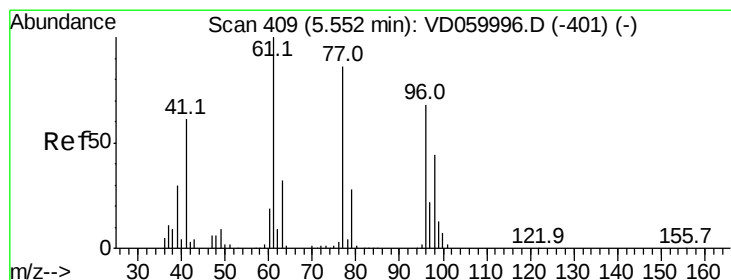
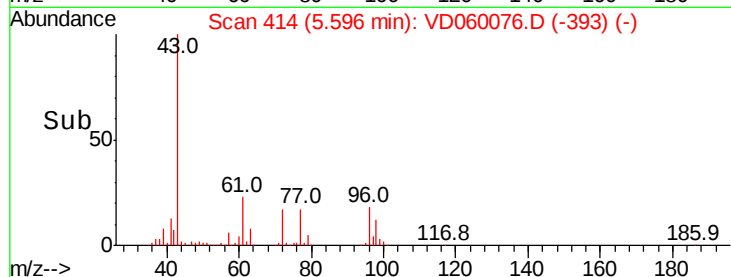
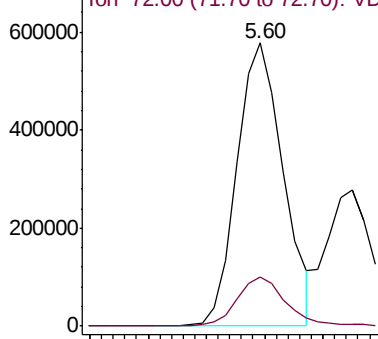
Ion Ratio Lower Upper

43 100

72 17.4 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 56.057 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060076.D

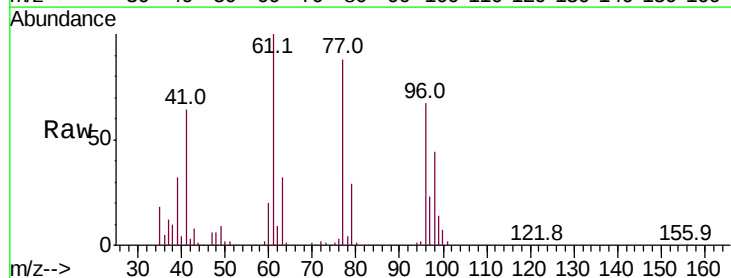
Acq: 24 Sep 2018 11:54

Tgt Ion: 77 Resp: 1293250

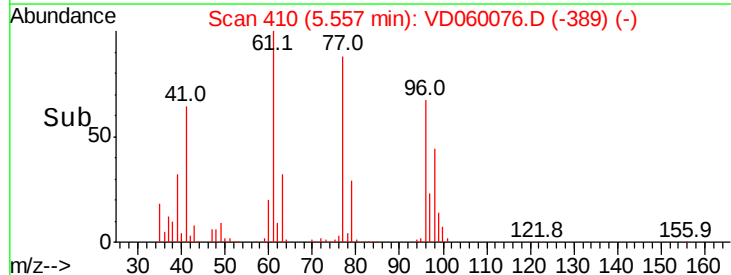
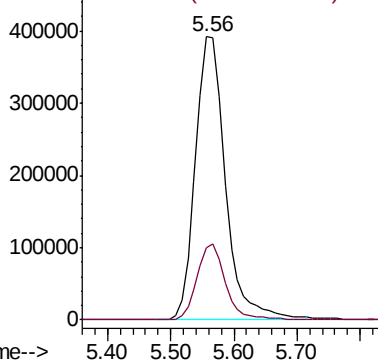
Ion Ratio Lower Upper

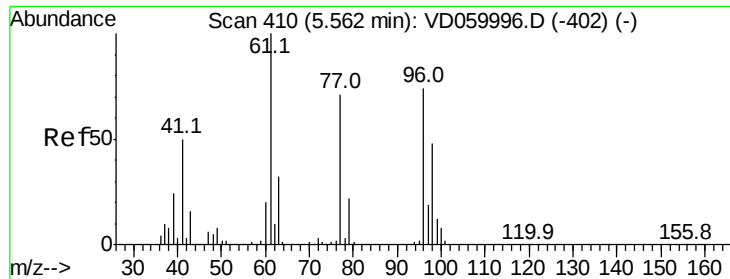
77 100

97 25.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC



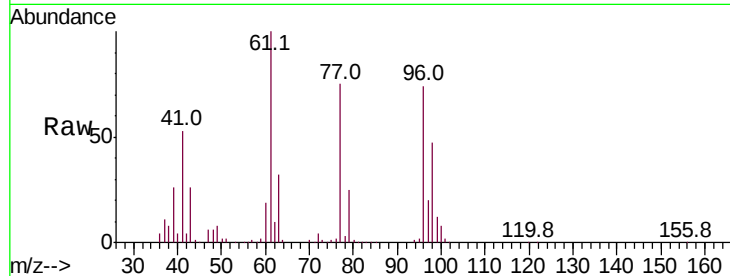


#27

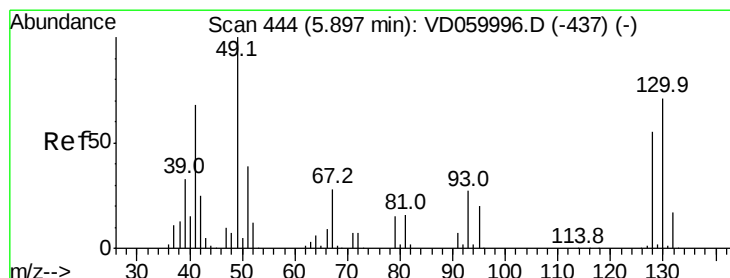
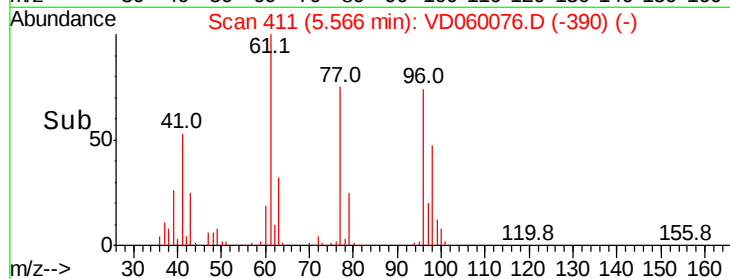
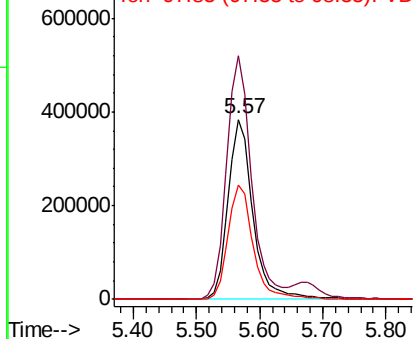
cis-1,2-Dichloroethene
Concen: 55.312 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 1043662
Ion Ratio Lower Upper
96 100
61 135.1 0.0 269.6
98 63.7 0.0 128.4



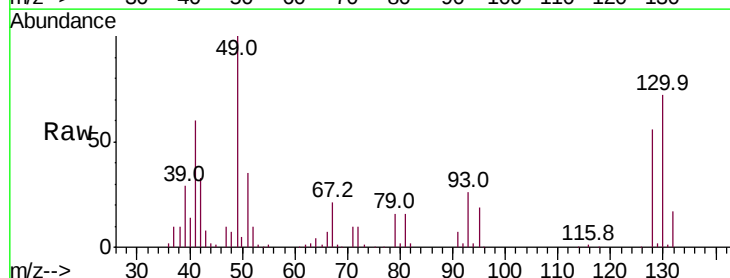
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



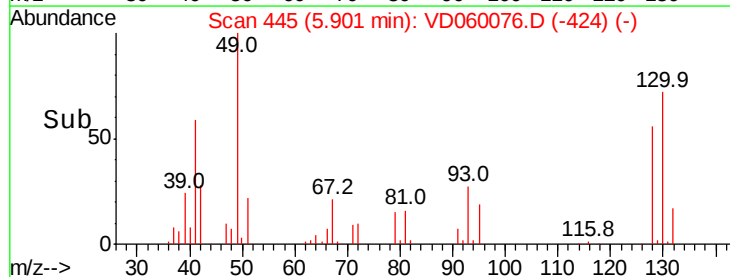
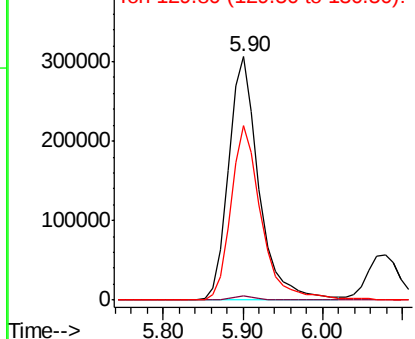
#28

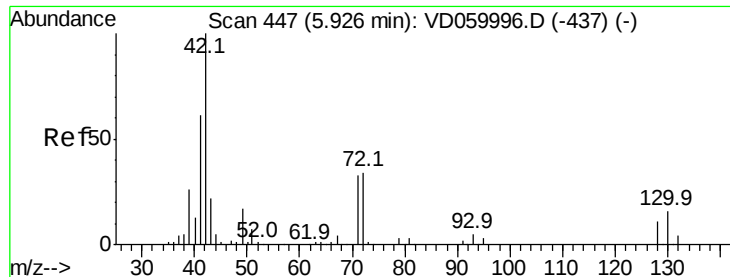
Bromochloromethane
Concen: 57.081 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 49 Resp: 814200
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 71.9 57.1 85.7



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: 249.384 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

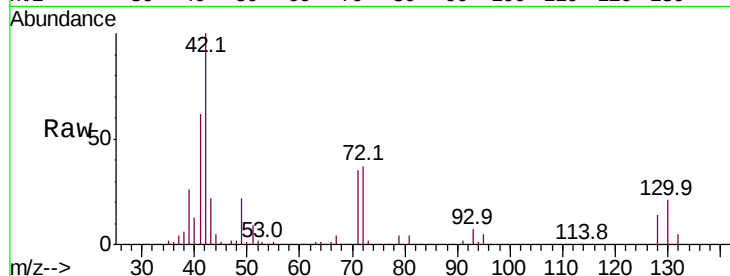
Tot Ion: 42 Resp: 907777

Ion Ratio Lower Upper

42 100

72 34.5 26.9 40.3

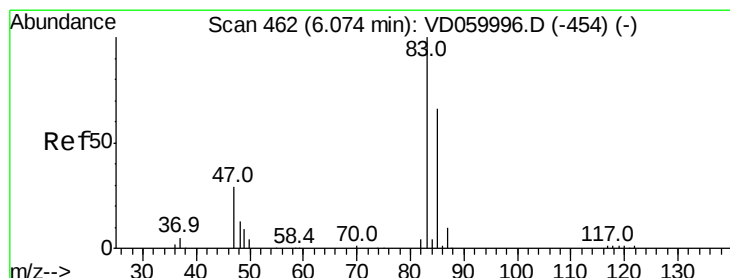
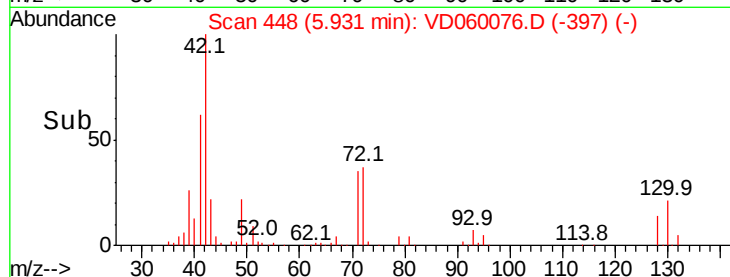
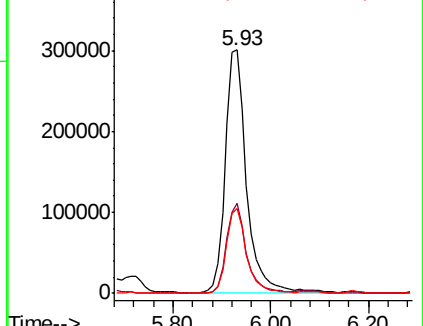
71 33.2 26.2 39.4



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: 55.296 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD060076.D

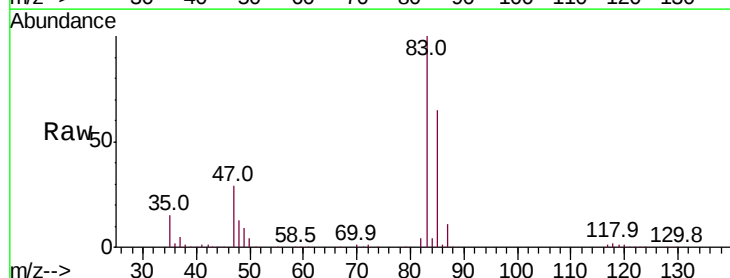
Acq: 24 Sep 2018 11:54

Tgt Ion: 83 Resp: 1664024

Ion Ratio Lower Upper

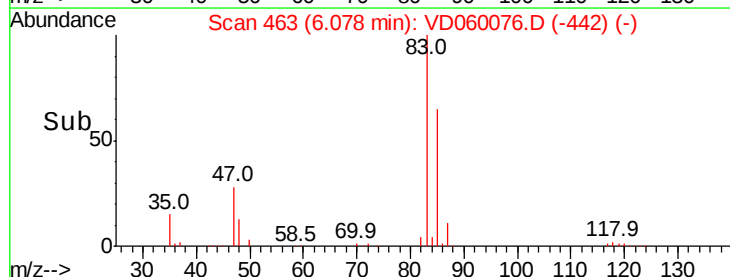
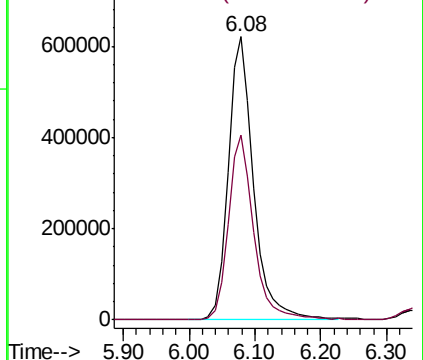
83 100

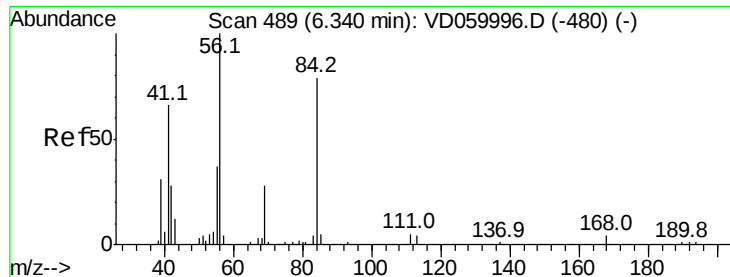
85 65.5 52.6 78.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

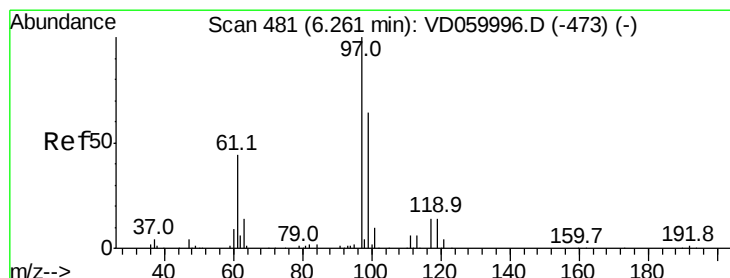
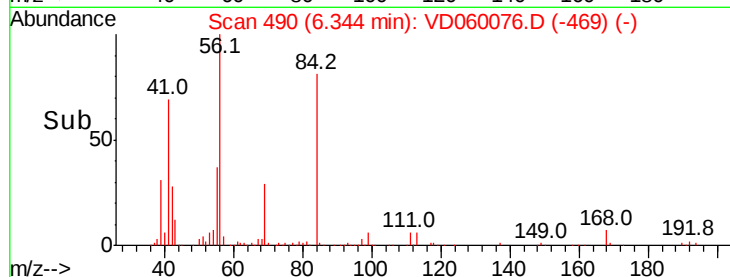
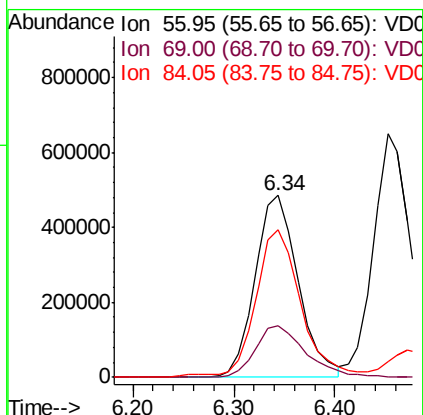
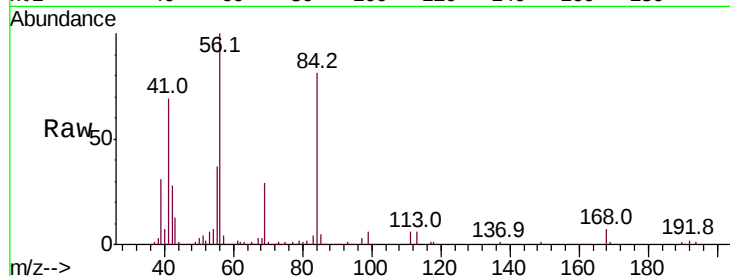




#31
Cyclohexane
Concen: 49.807 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

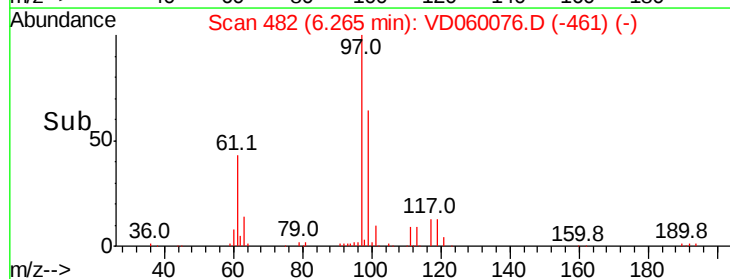
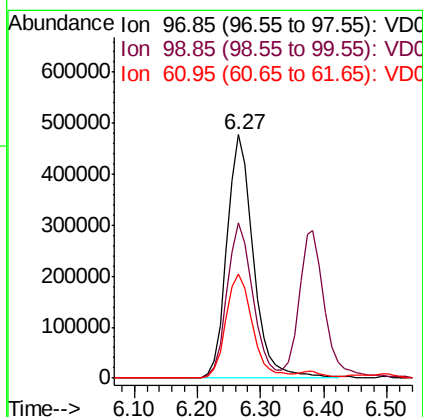
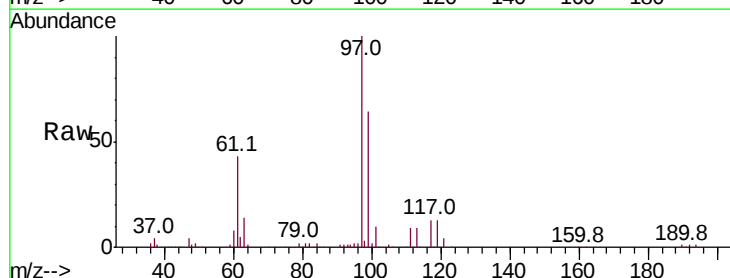
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

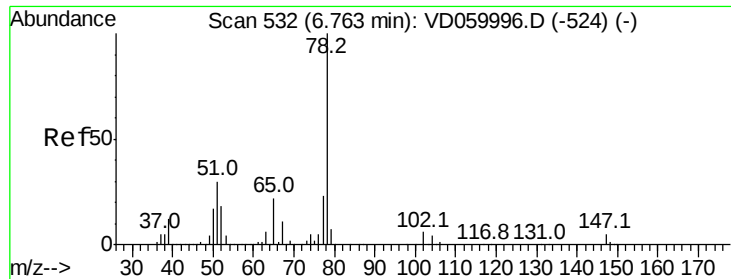
Tot Ion: 56 Resp: 1441076
Ion Ratio Lower Upper
56 100
69 28.7 22.7 34.1
84 81.1 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 55.259 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 97 Resp: 1379192
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 42.9 35.5 53.3

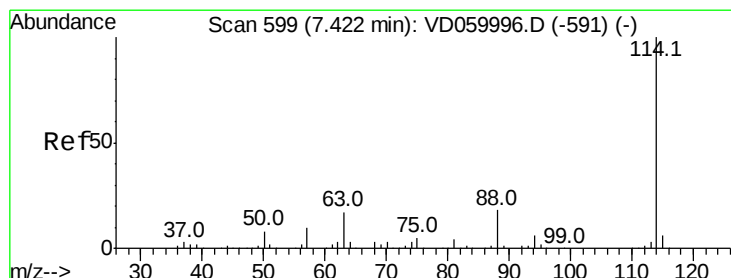
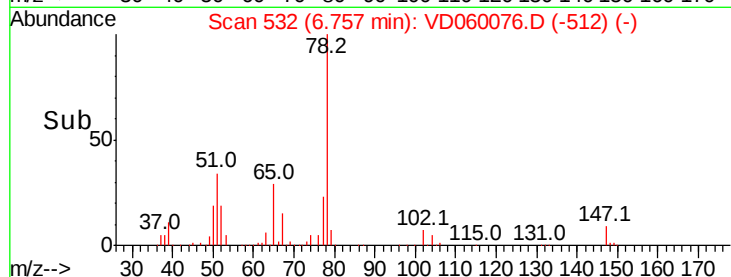
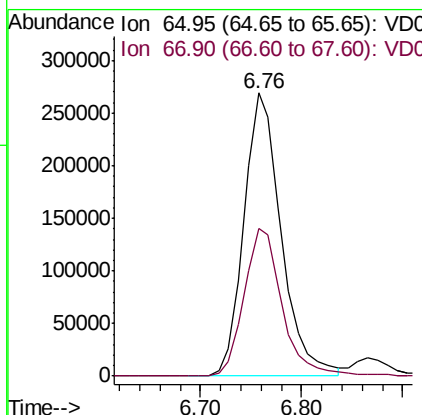
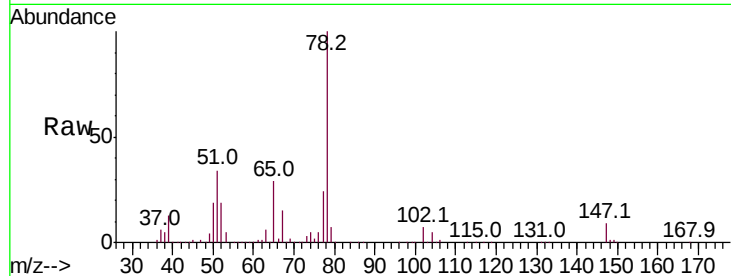




#33
 1,2-Dichloroethane-d4
 Concen: 55.259 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

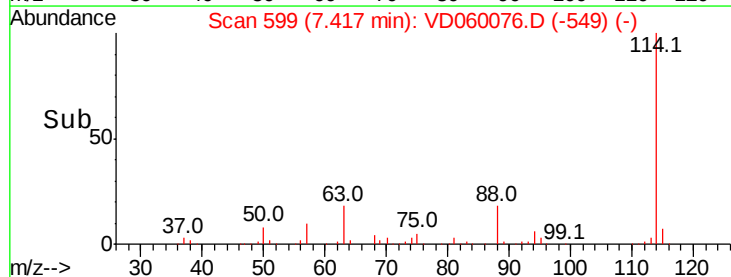
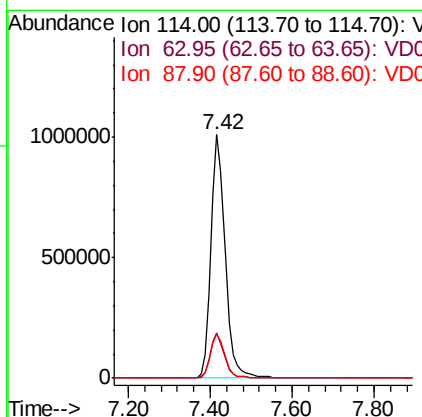
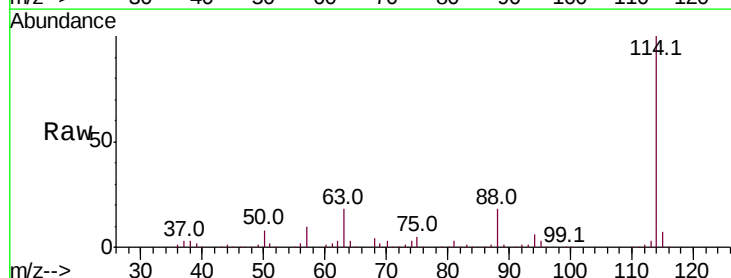
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

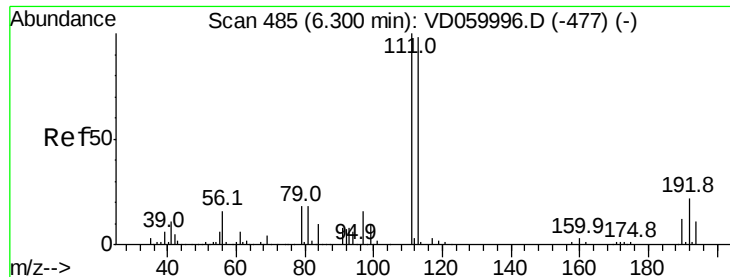
Tot Ion: 65 Resp: 692075
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion:114 Resp: 2435873
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.4
 88 18.2 0.0 35.8

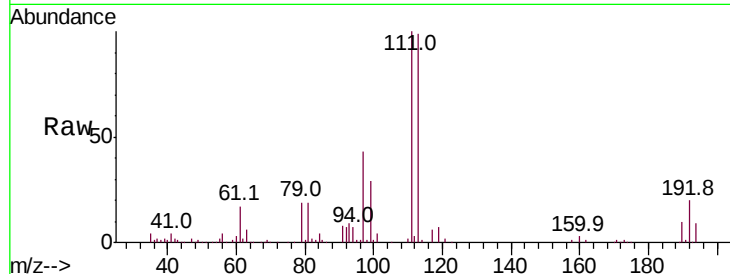




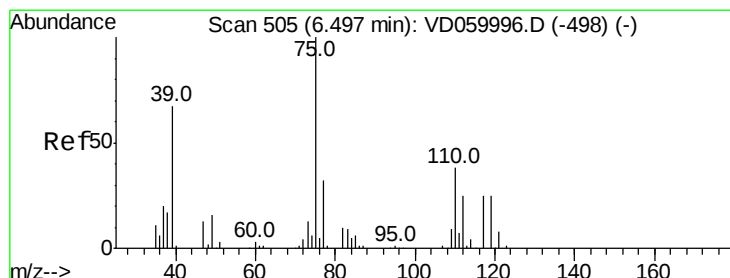
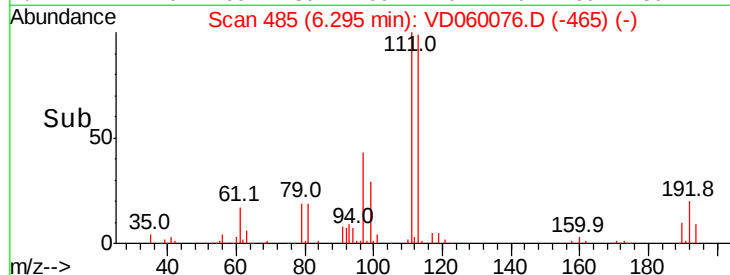
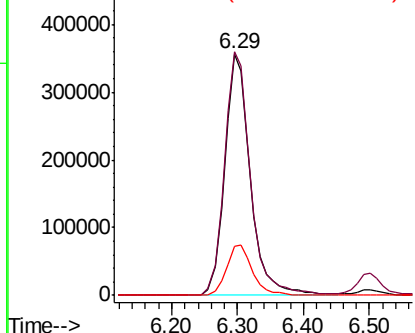
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 967379
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.3 121.9
 192 20.3 18.1 27.1

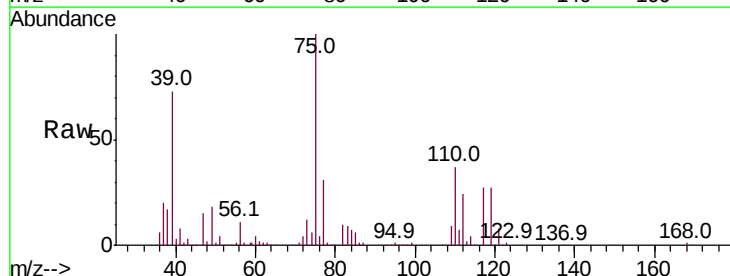


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

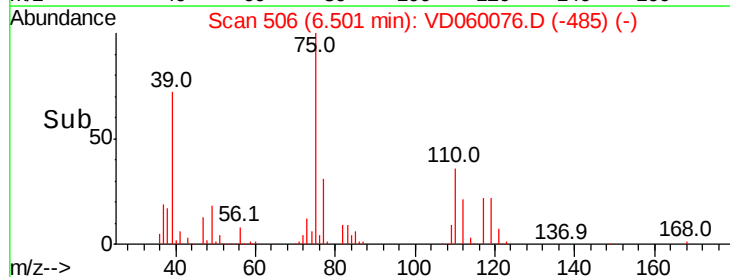
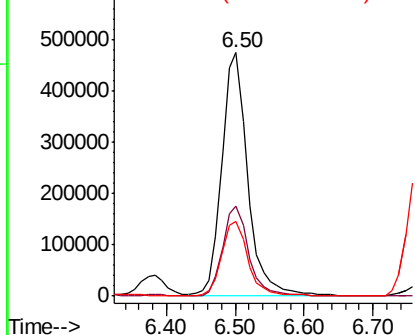


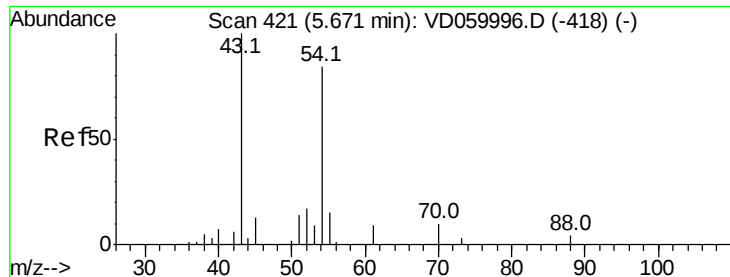
#36
 1,1-Dichloropropene
 Concen: 50.609 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 75 Resp: 1224559
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.9 56.9
 77 30.8 25.3 37.9



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

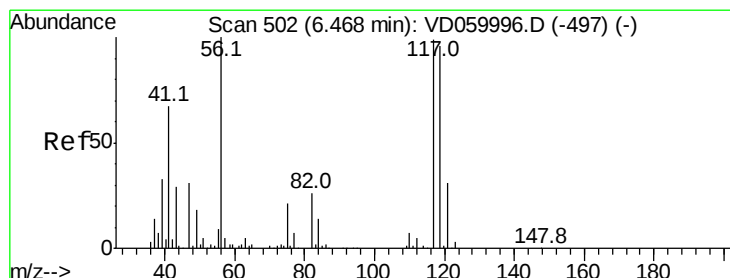
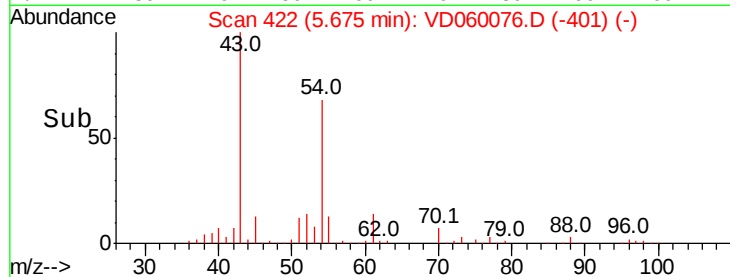
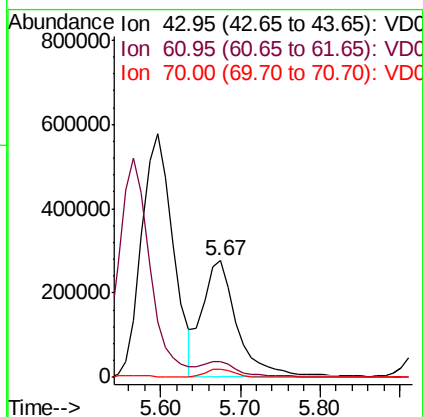
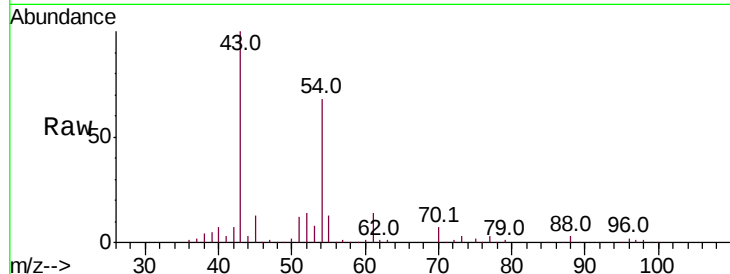




#37
Ethyl Acetate
Concen: 48.734 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

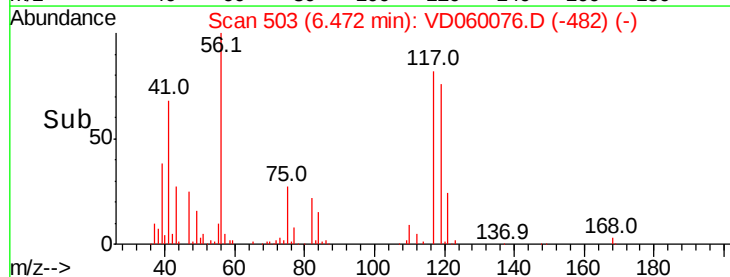
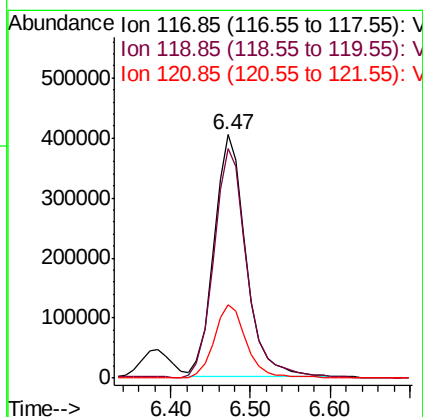
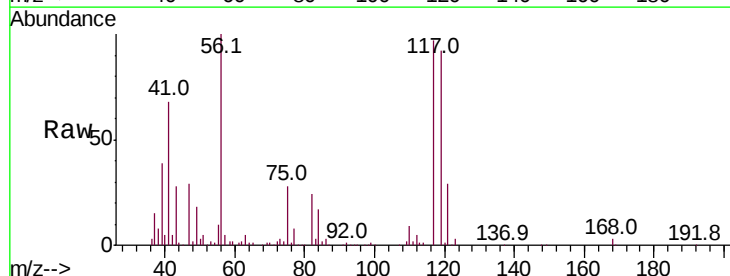
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

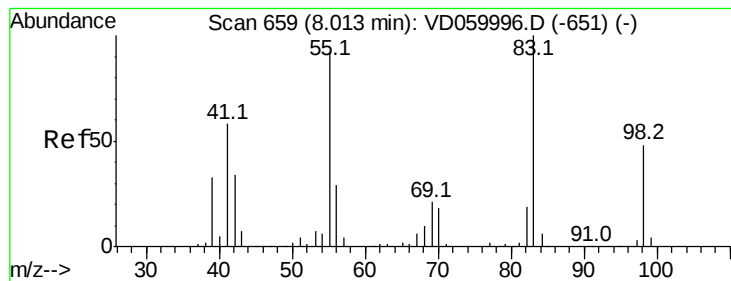
Tot Ion: 43 Resp: 810898
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.2
70 7.3 6.1 9.1



#38
Carbon Tetrachloride
Concen: 50.133 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 117 Resp: 1132374
Ion Ratio Lower Upper
117 100
119 94.2 76.7 115.1
121 29.9 24.9 37.3





#39

Methylcyclohexane

Concen: 51.664 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

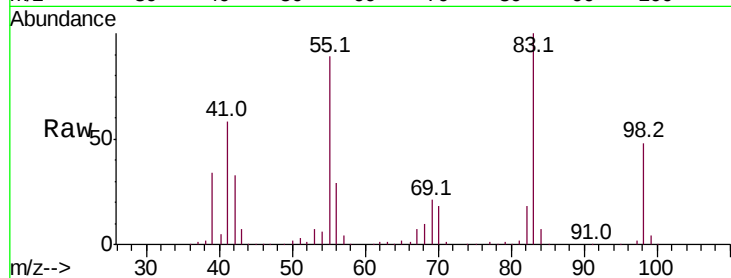
Tot Ion: 83 Resp: 1414137

Ion Ratio Lower Upper

83 100

55 89.1 73.8 110.6

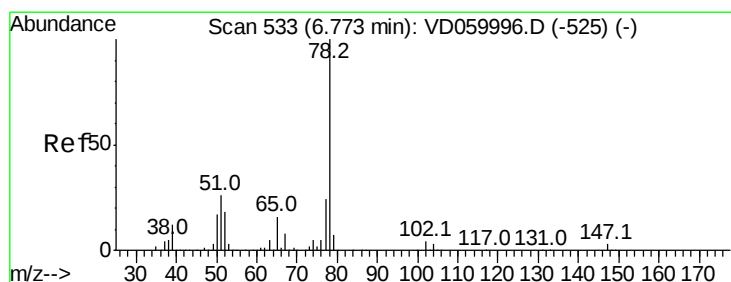
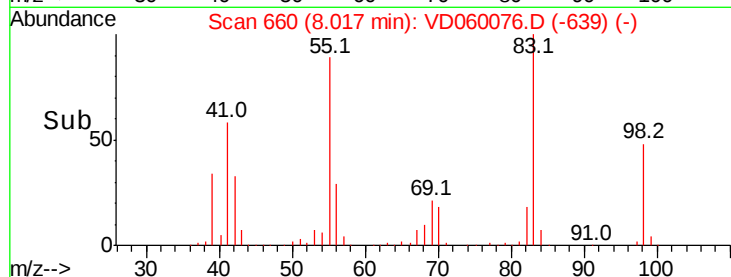
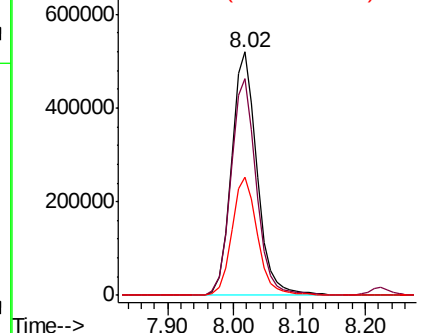
98 48.4 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.487 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD060076.D

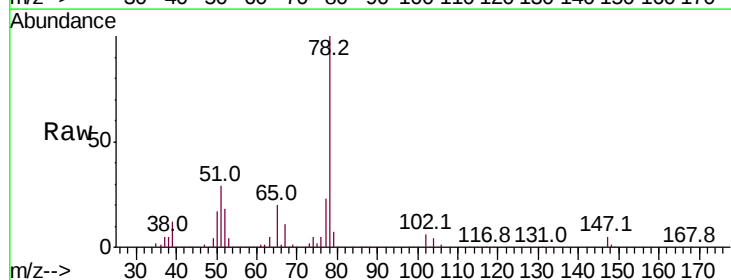
Acq: 24 Sep 2018 11:54

Tgt Ion: 78 Resp: 3175287

Ion Ratio Lower Upper

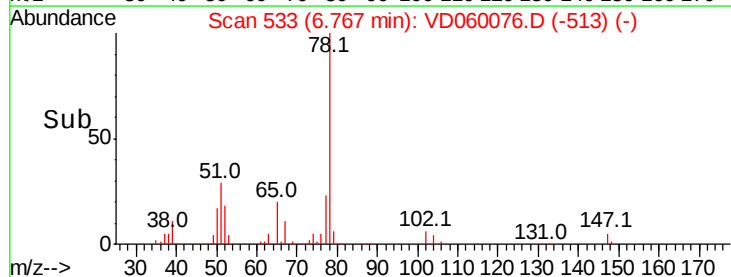
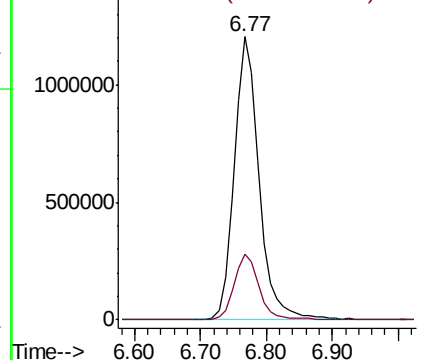
78 100

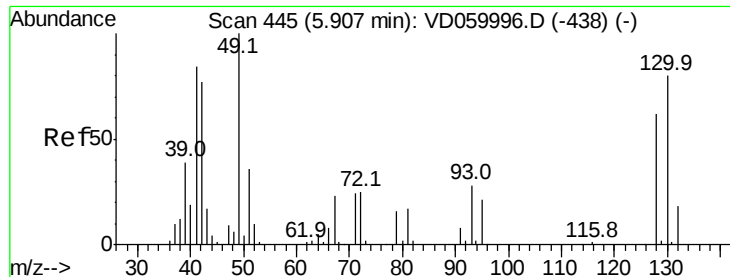
77 23.4 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 105.553 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 919902

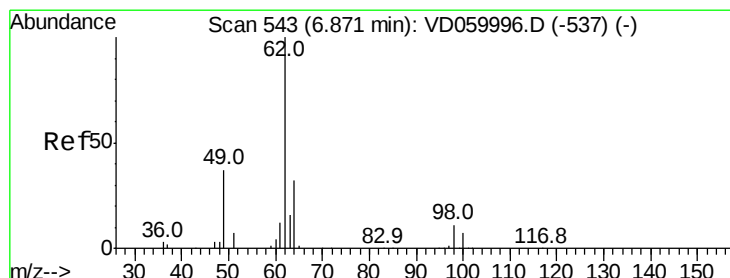
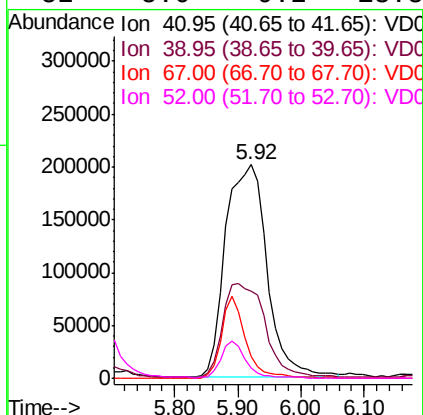
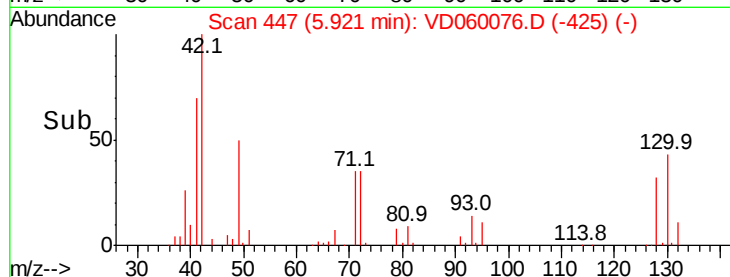
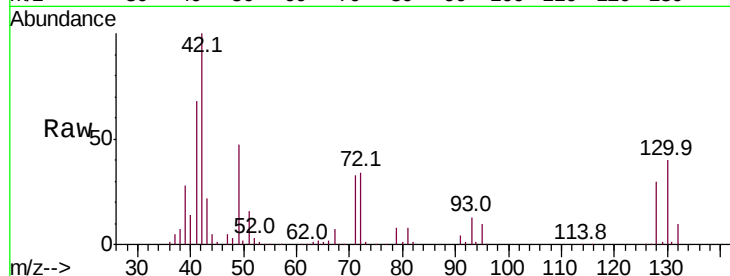
Ion Ratio Lower Upper

41 100

39 40.9 37.5 56.3

67 10.2 21.5 32.3#

52 5.0 9.2 13.8#



#42

1,2-Dichloroethane

Concen: 48.691 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.01 min

Lab File: VD060076.D

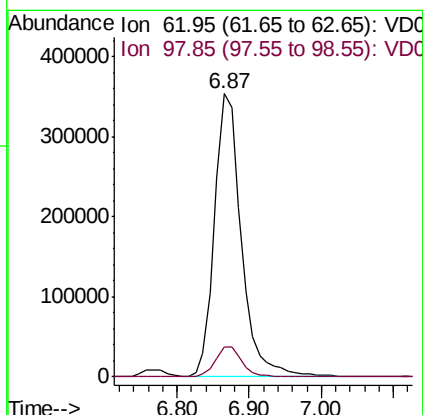
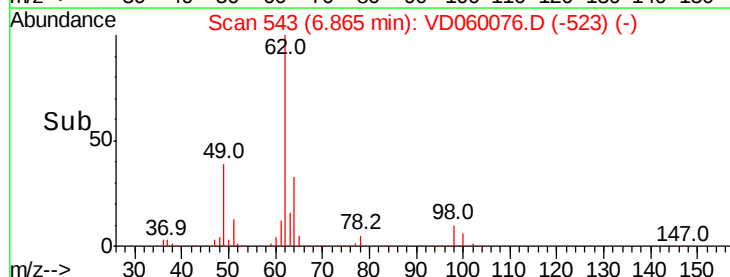
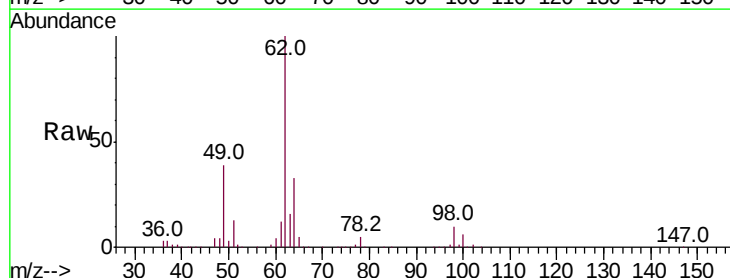
Acq: 24 Sep 2018 11:54

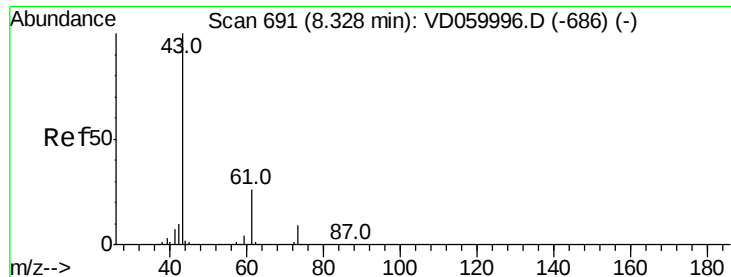
Tgt Ion: 62 Resp: 901634

Ion Ratio Lower Upper

62 100

98 10.5 0.0 21.4





#43

Isopropyl Acetate

Concen: 48.161 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

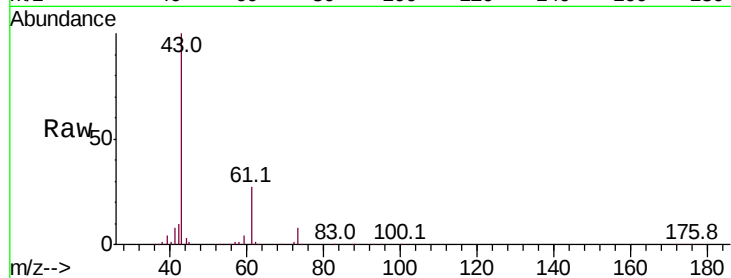
ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1072966

Ion Ratio Lower Upper

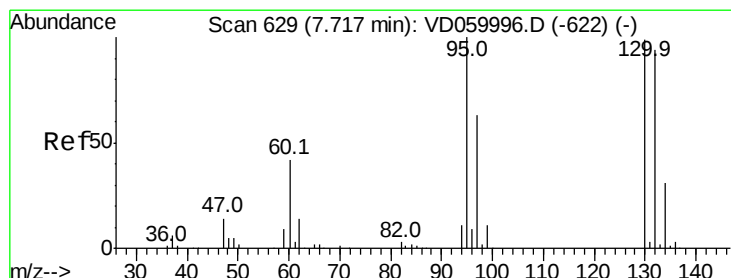
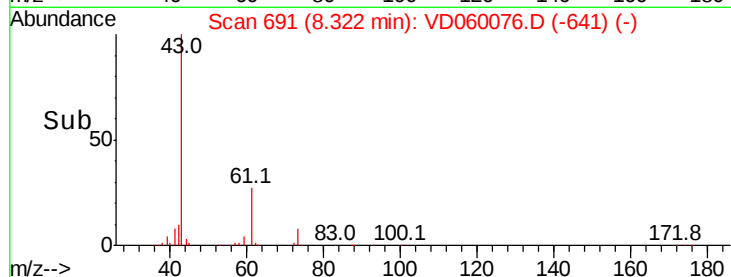
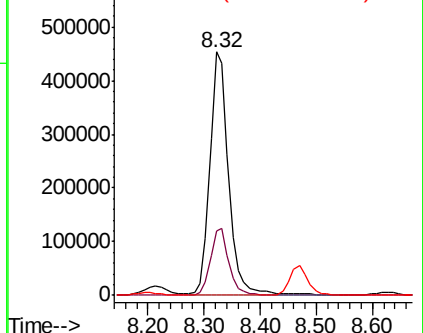
43	100		
61	26.5	21.0	31.6
87	0.3	0.2	0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.559 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.01 min

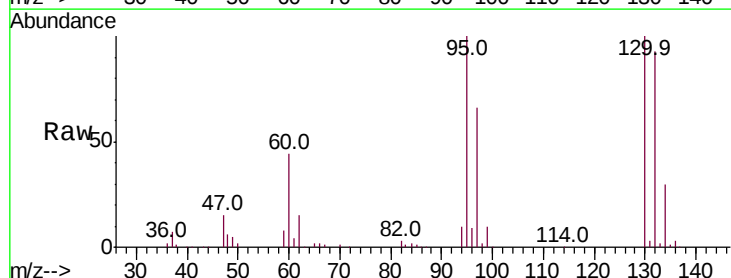
Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion: 130 Resp: 982420

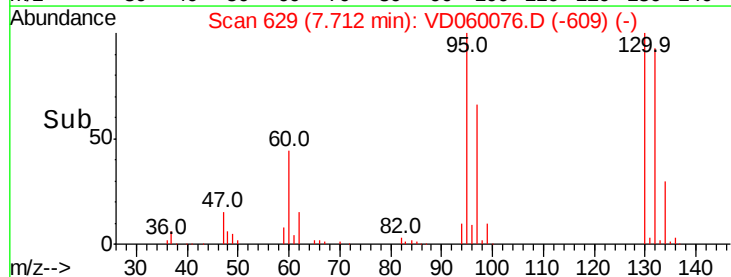
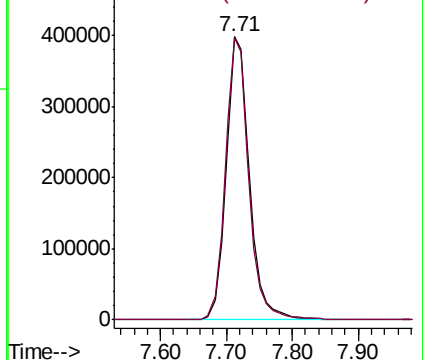
Ion Ratio Lower Upper

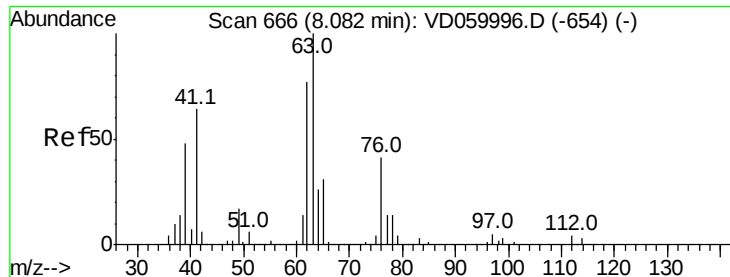
130	100		
95	99.9	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.270 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

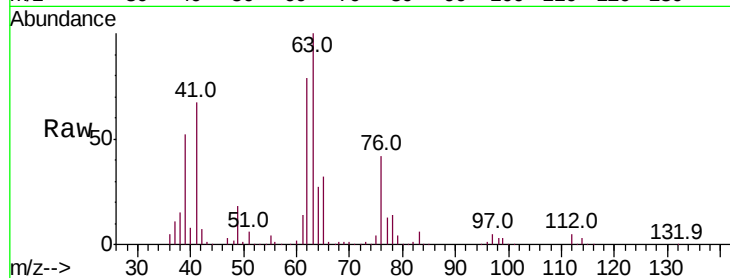
VSTDCCC050

Tot Ion: 63 Resp: 861964

Ion Ratio Lower Upper

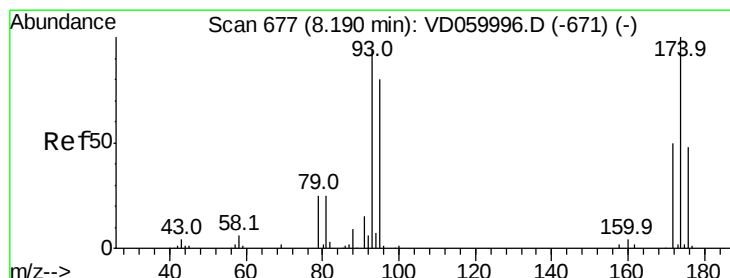
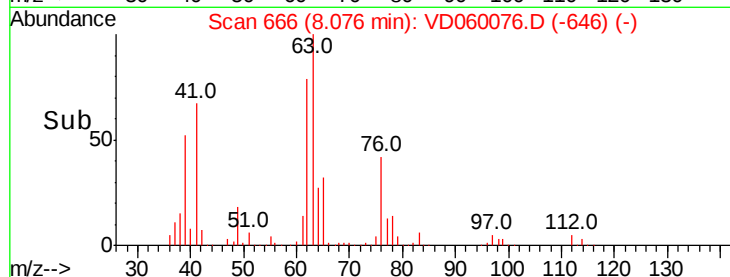
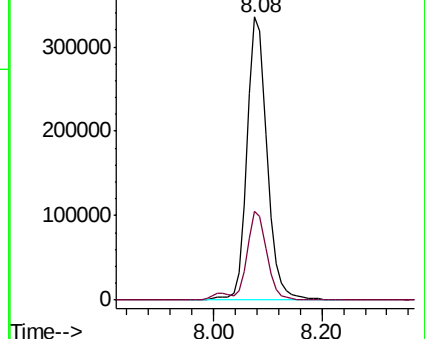
63 100

65 31.6 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.695 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

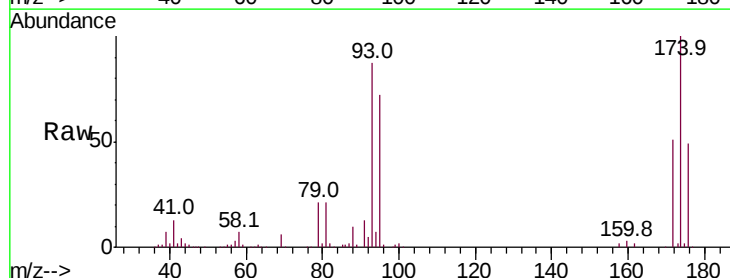
Tgt Ion: 93 Resp: 545469

Ion Ratio Lower Upper

93 100

95 82.2 68.0 102.0

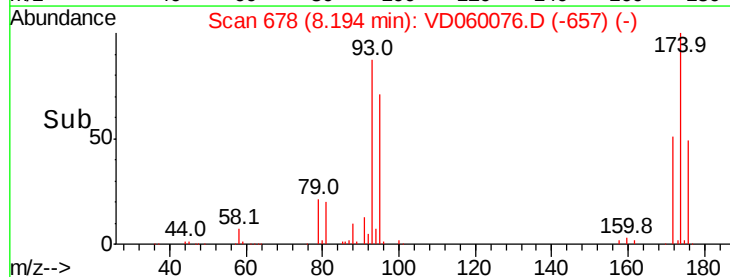
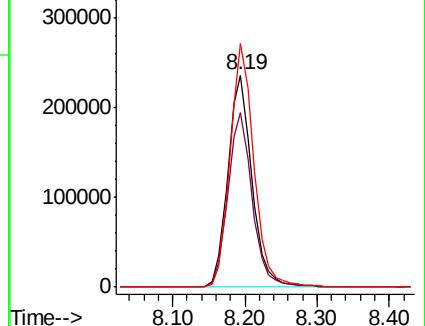
174 114.8 85.4 128.2

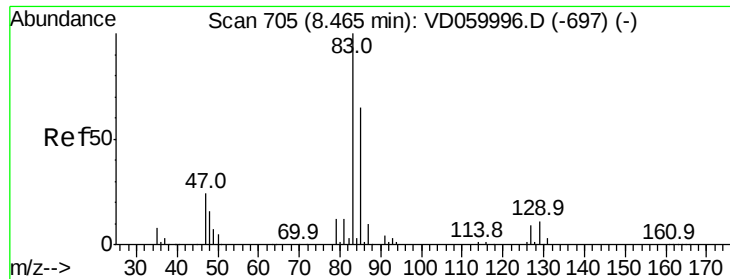


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.986 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

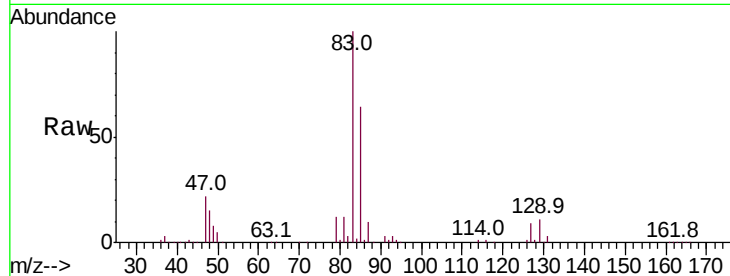
Tot Ion: 83 Resp: 1205978

Ion Ratio Lower Upper

83 100

85 64.2 51.9 77.9

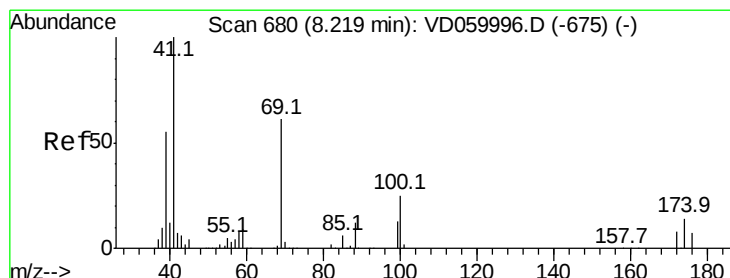
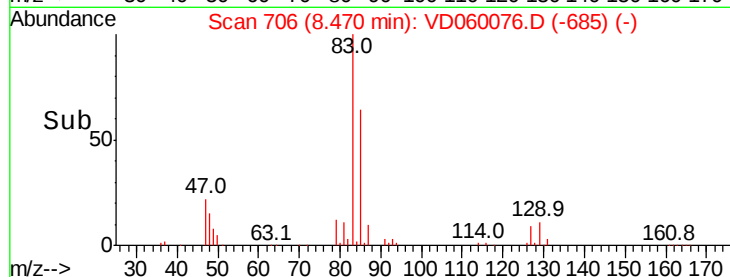
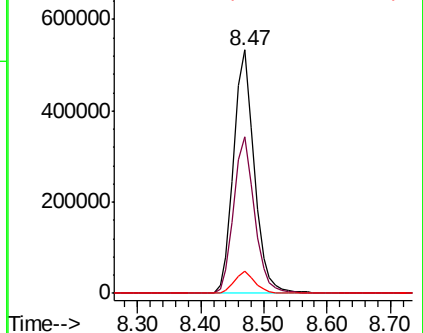
127 9.0 6.8 10.2



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: 48.817 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

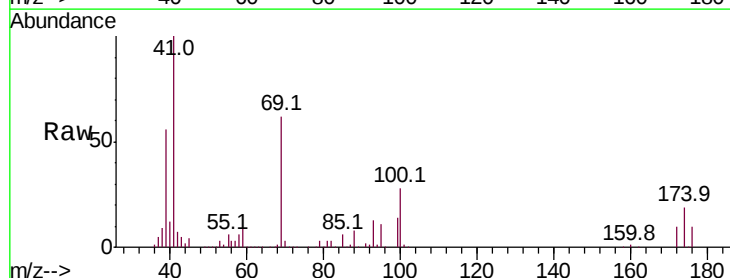
Tgt Ion: 41 Resp: 605724

Ion Ratio Lower Upper

41 100

69 62.3 48.3 72.5

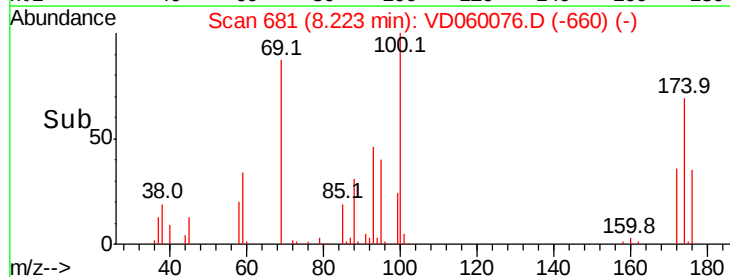
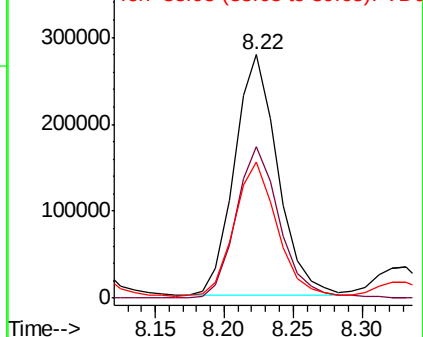
39 55.7 44.1 66.1

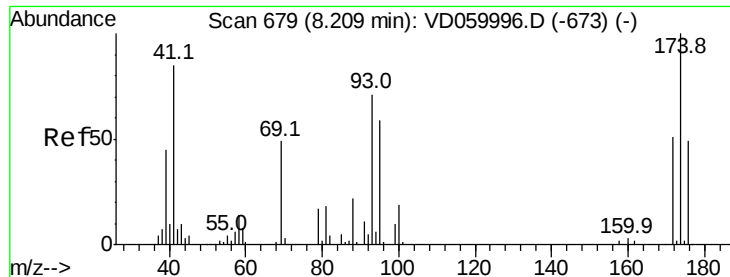


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

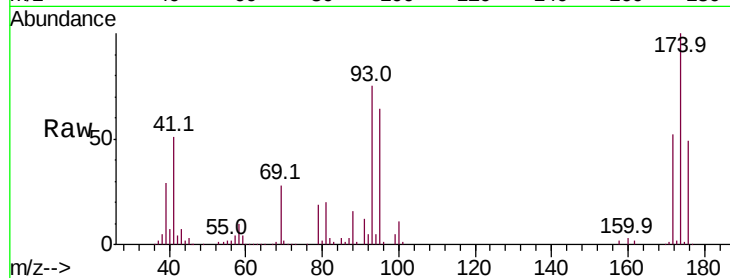




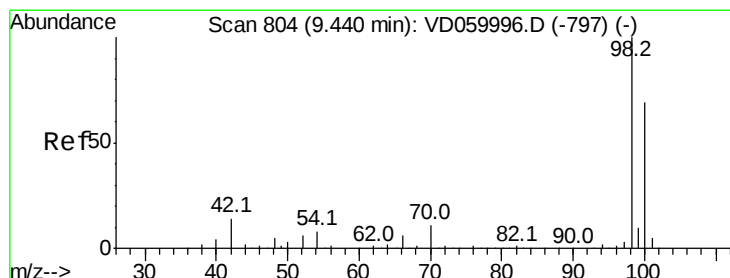
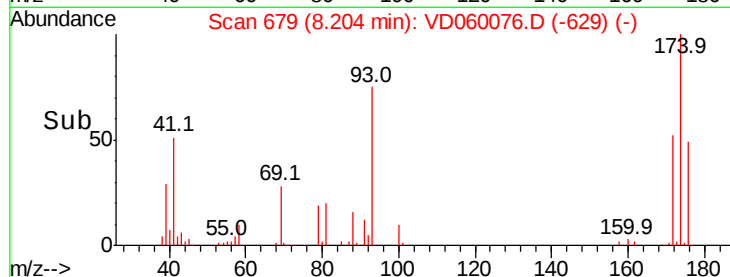
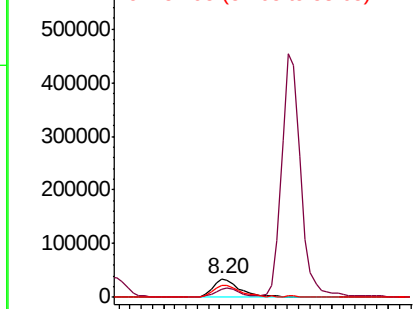
#49
1,4-Dioxane
Concen: 969.162 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 119439
Ion Ratio Lower Upper
88 100
43 42.8 36.2 54.2
58 63.5 51.0 76.6

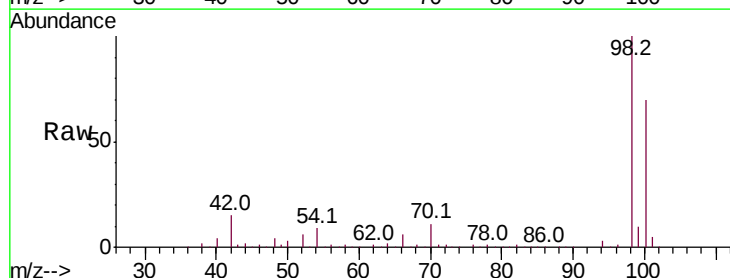


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

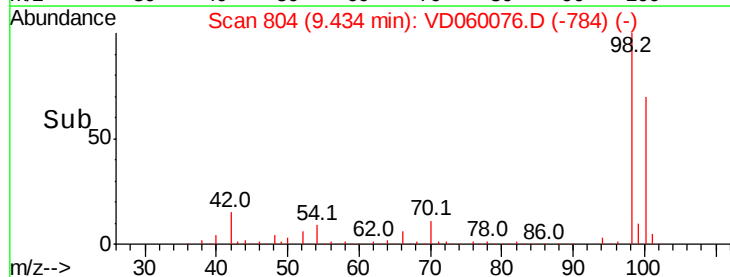
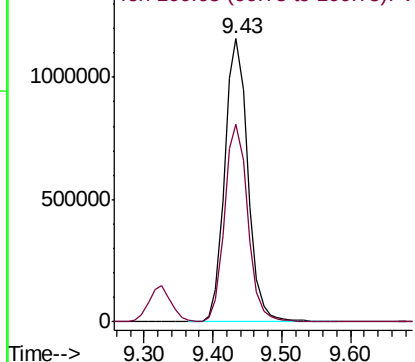


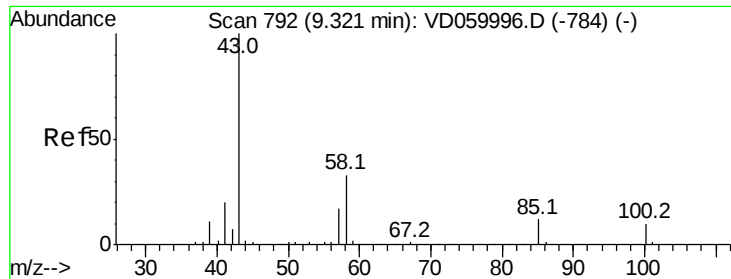
#50
Toluene-d8
Concen: 969.162 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 98 Resp: 2690925
Ion Ratio Lower Upper
98 100
100 69.9 55.8 83.6



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: 219.722 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

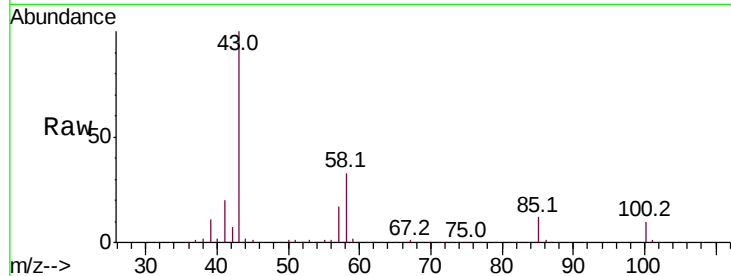
VSTDCCC050

Tot Ion: 43 Resp: 3278774

Ion Ratio Lower Upper

43 100

58 33.2 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

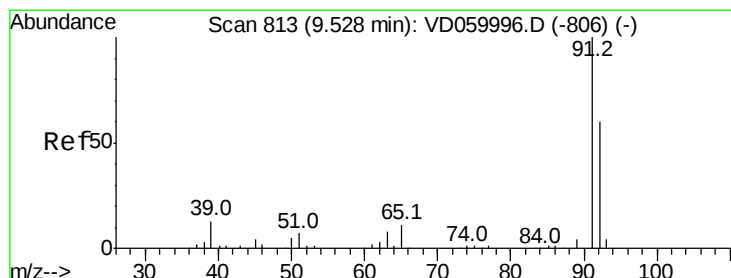
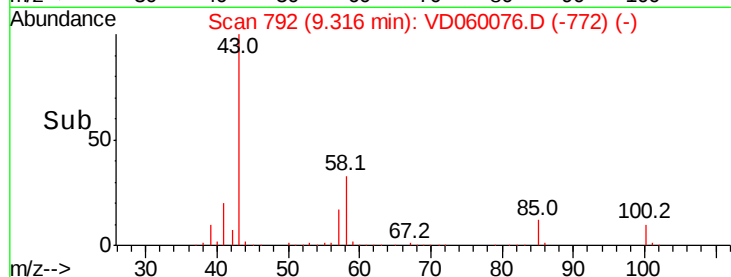
1000000

500000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 53.192 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.01 min

Lab File: VD060076.D

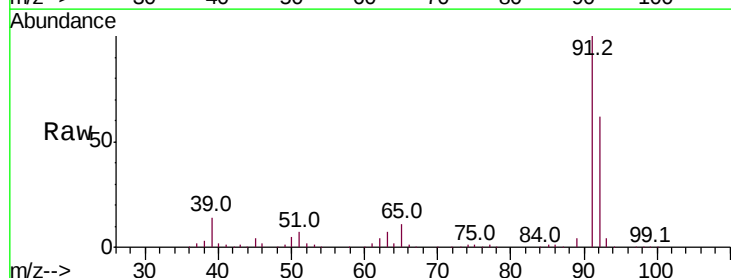
Acq: 24 Sep 2018 11:54

Tgt Ion: 92 Resp: 2102687

Ion Ratio Lower Upper

92 100

91 160.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

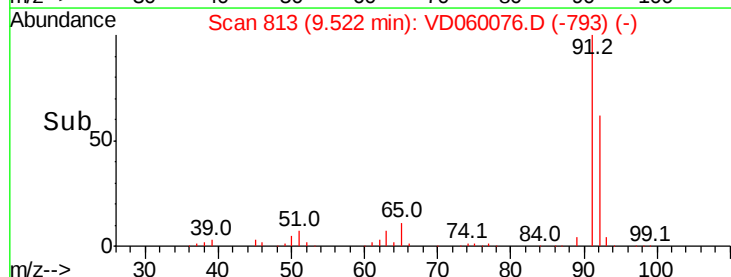
1000000

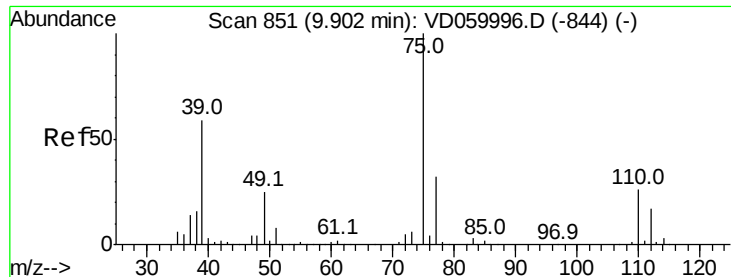
500000

0

9.40 9.50 9.60 9.70

Time-->

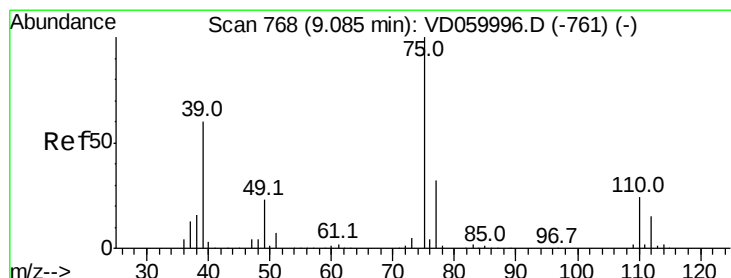
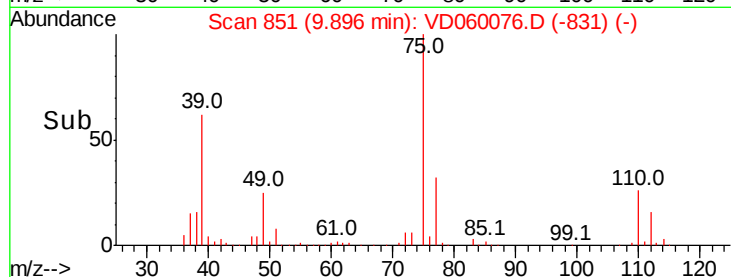
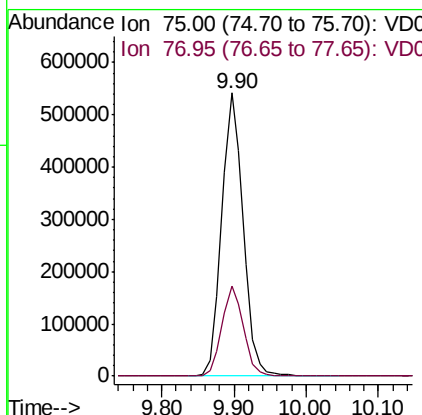
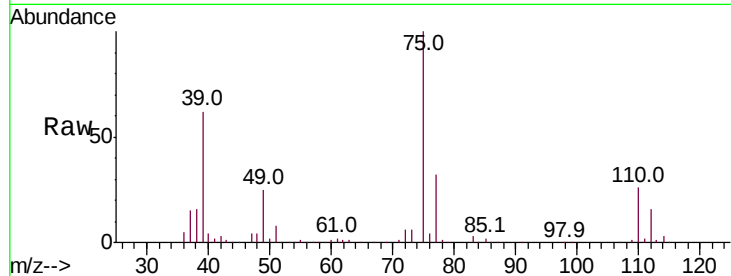




#53
 t-1,3-Dichloropropene
 Concen: 51.586 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

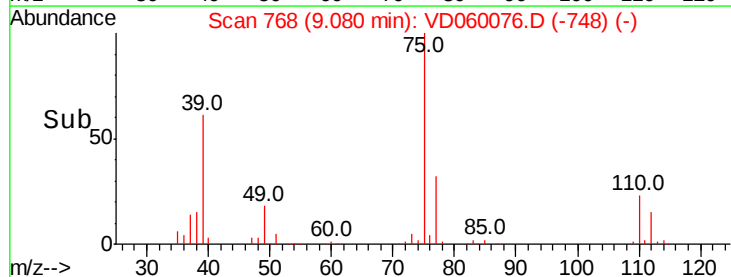
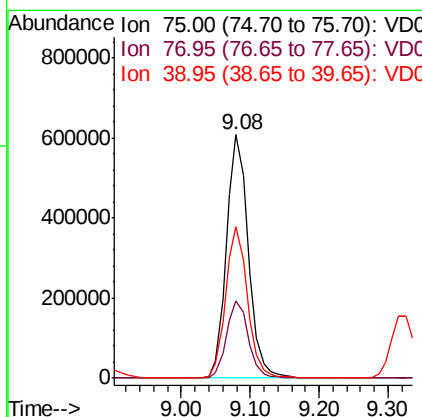
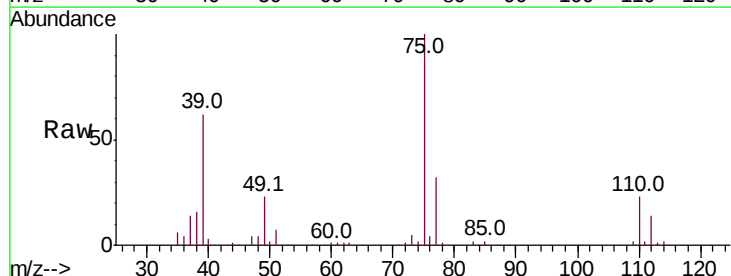
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

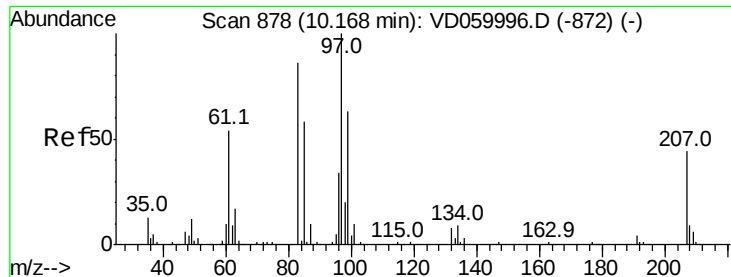
Tot Ion: 75 Resp: 1116114
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 51.841 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 75 Resp: 1340140
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 62.2 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 48.723 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 668722

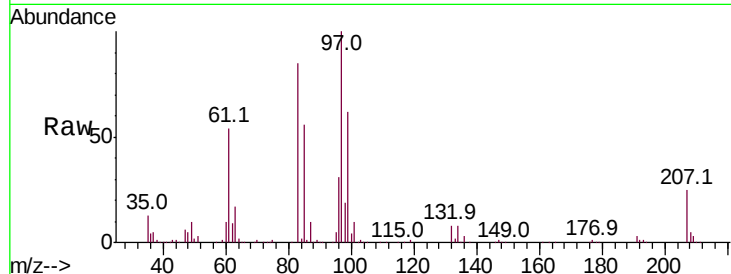
Ion Ratio Lower Upper

97 100

83 84.7 69.1 103.7

85 55.9 46.2 69.4

99 62.0 50.6 75.8

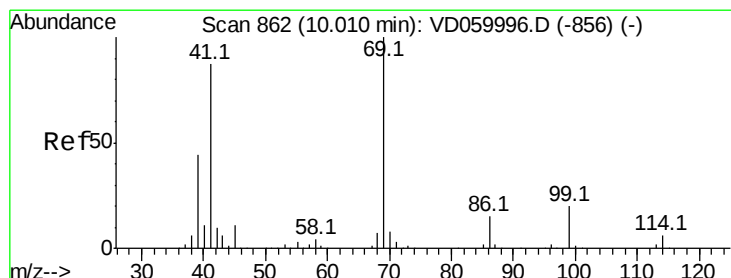
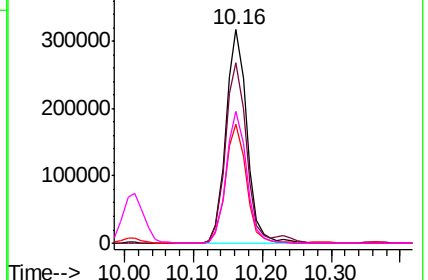
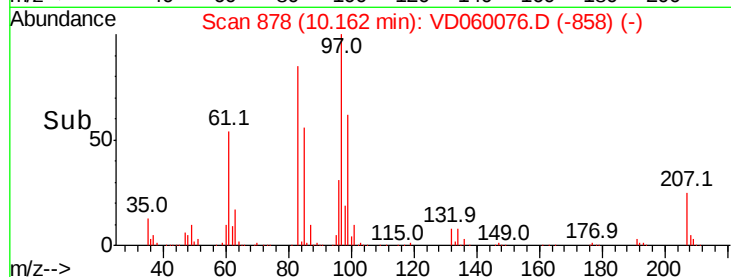


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 49.848 ug/l

RT: 10.01 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

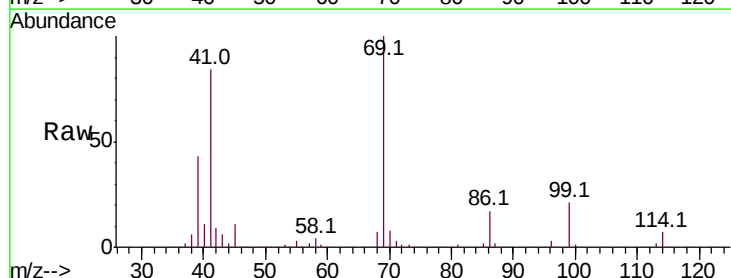
Tgt Ion: 69 Resp: 758862

Ion Ratio Lower Upper

69 100

41 84.0 70.1 105.1

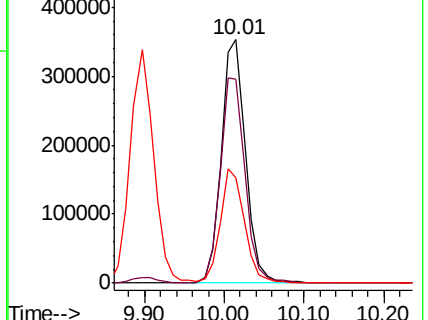
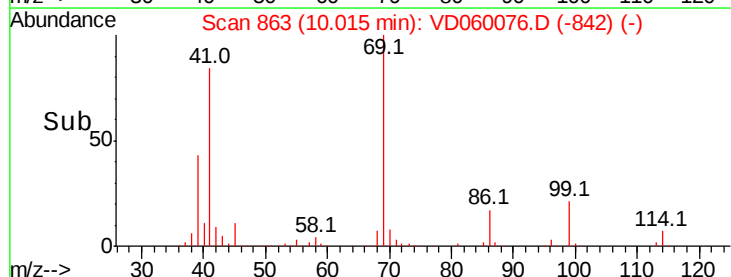
39 43.3 36.5 54.7

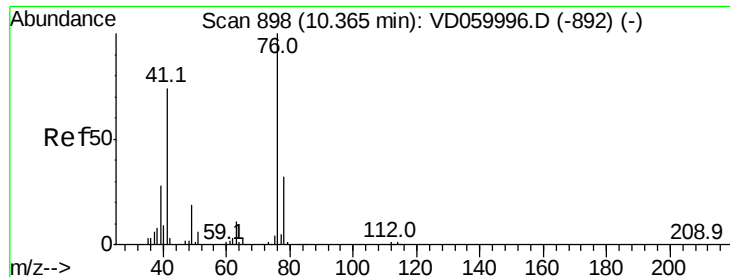


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

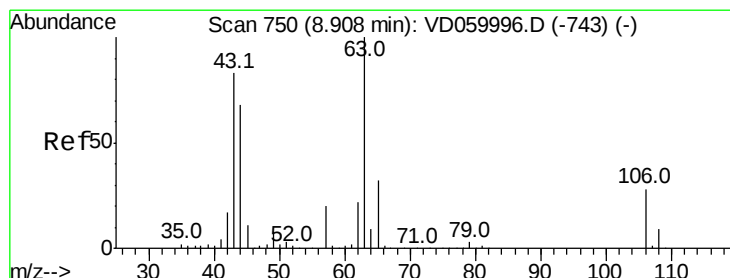
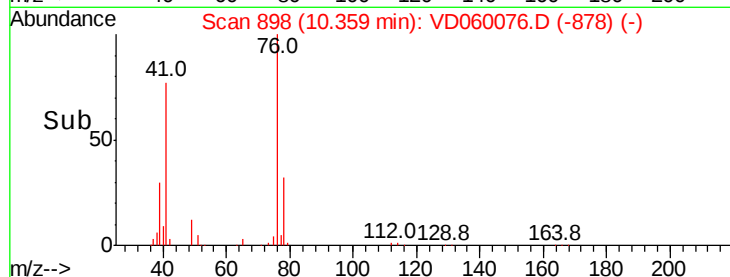
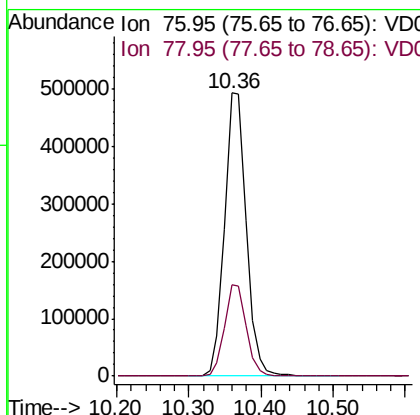
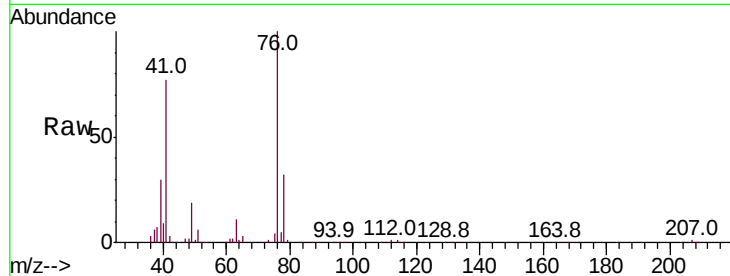




#57
 1,3-Dichloropropane
 Concen: 50.746 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

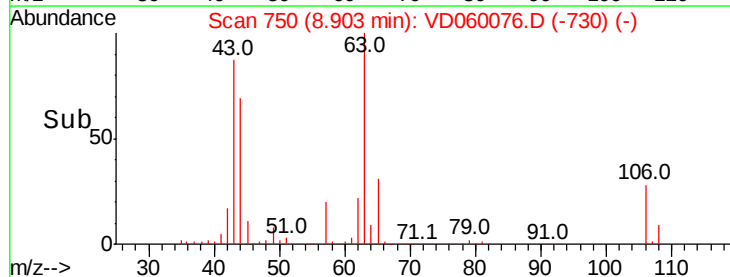
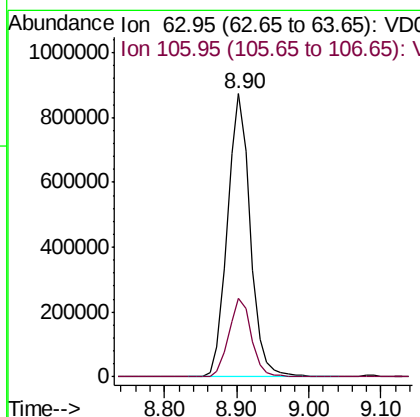
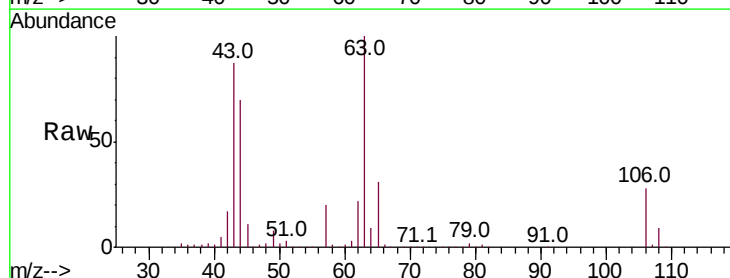
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

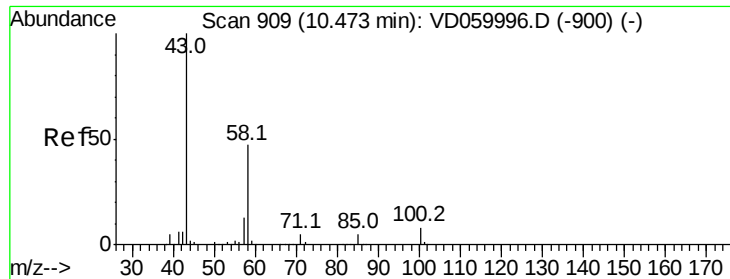
Tot Ion: 76 Resp: 1028083
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.402 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 63 Resp: 1921644
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.0 33.0

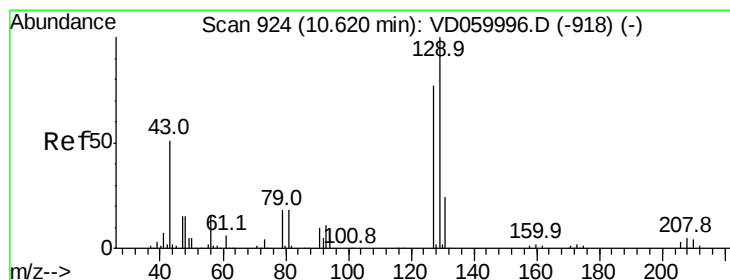
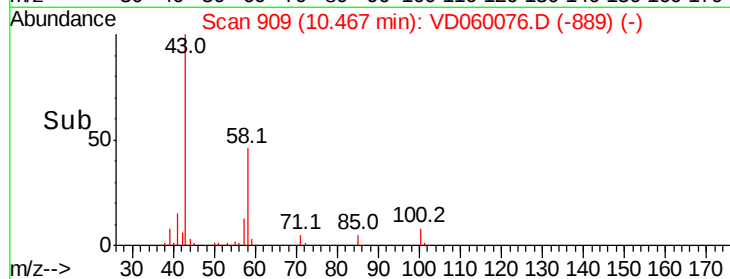
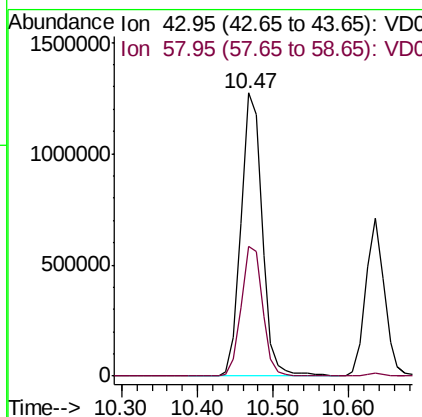
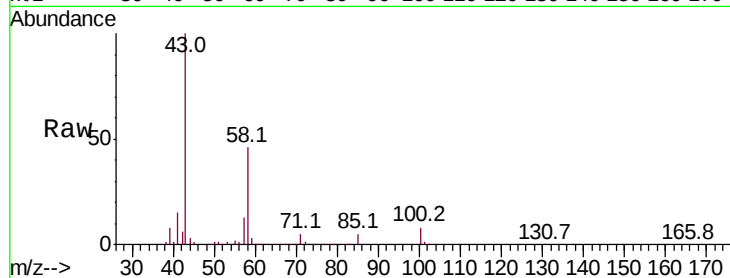




#59
2-Hexanone
Concen: 231.559 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

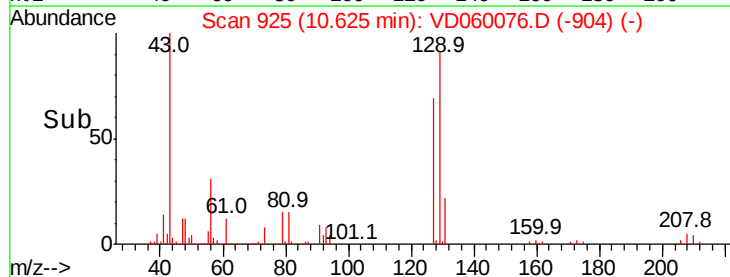
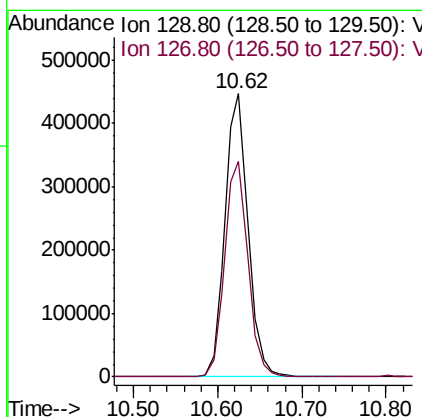
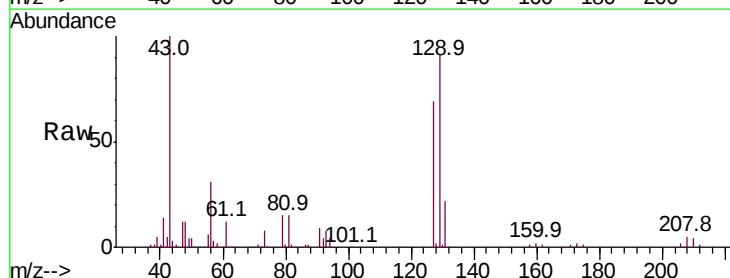
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

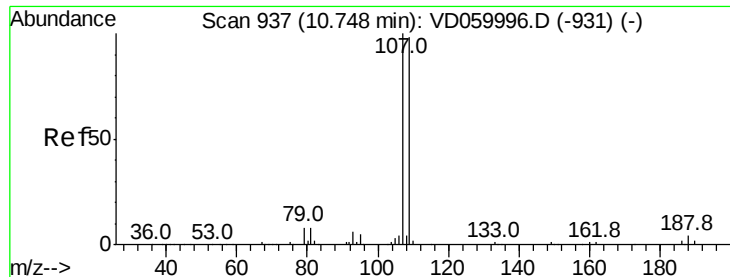
Tot Ion: 43 Resp: 2452870
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.0



#60
Dibromochloromethane
Concen: 50.958 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 129 Resp: 851282
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0

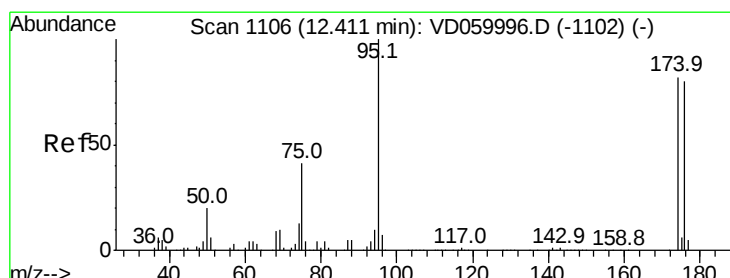
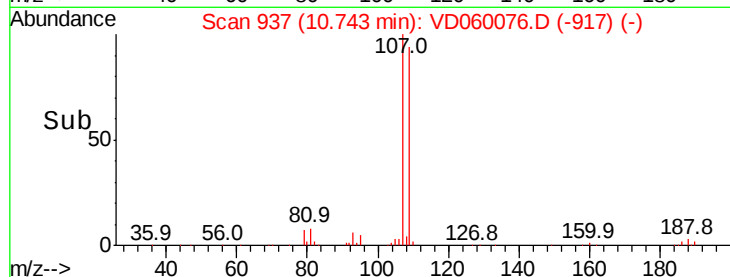
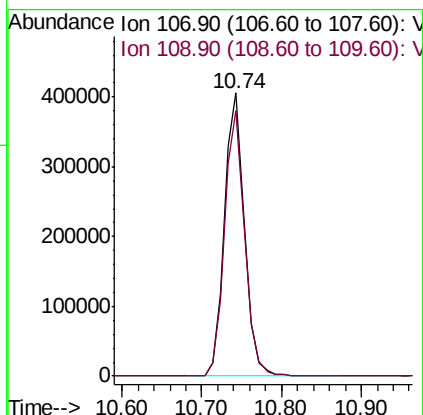
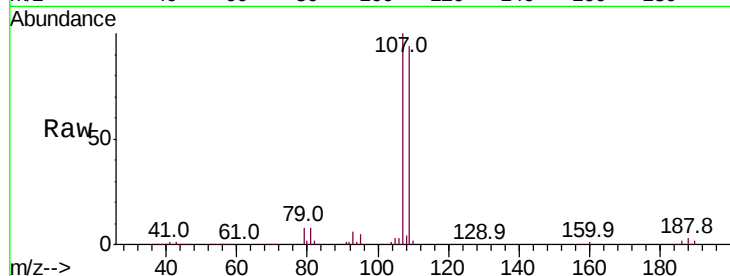




#61
 1,2-Dibromoethane
 Concen: 50.969 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

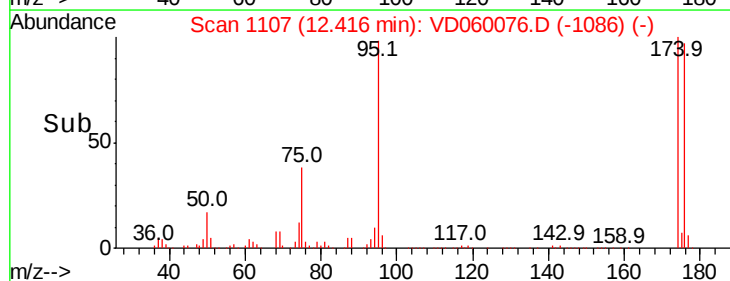
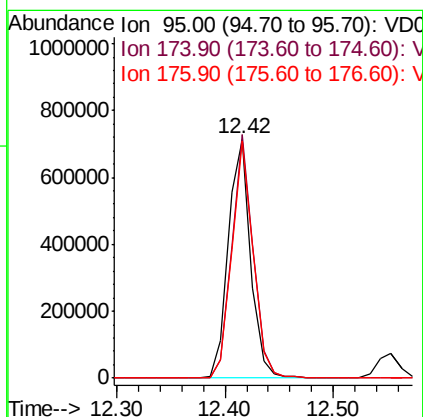
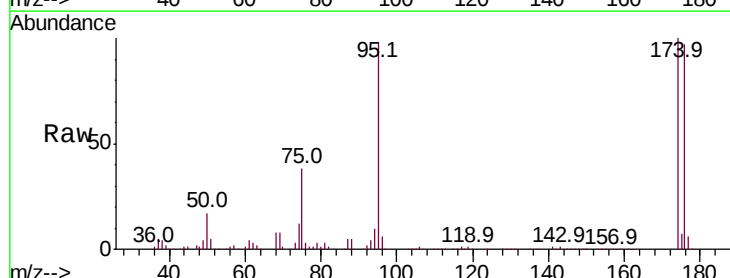
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

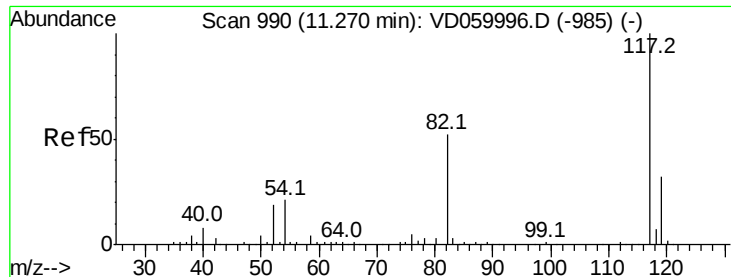
Tot Ion:107 Resp: 722277
 Ion Ratio Lower Upper
 107 100
 109 93.8 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 50.969 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 95 Resp: 1026743
 Ion Ratio Lower Upper
 95 100
 174 102.0 0.0 165.0
 176 99.3 0.0 160.2

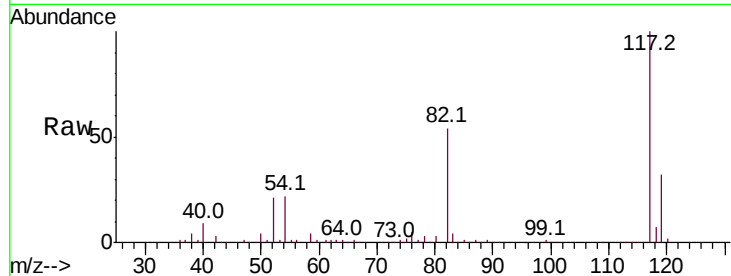




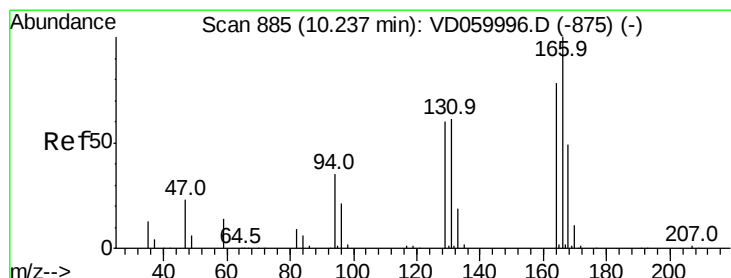
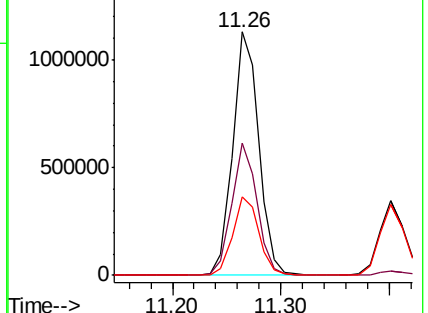
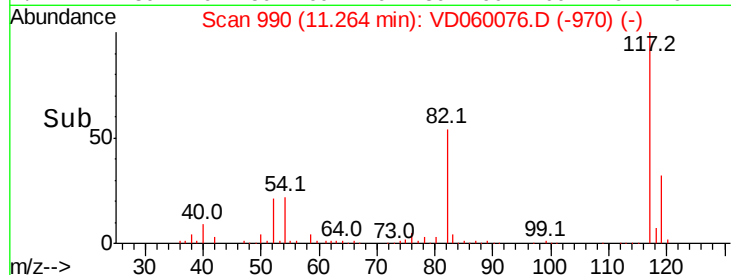
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1891745
Ion Ratio Lower Upper
117 100
82 54.1 41.7 62.5
119 32.0 26.0 39.0

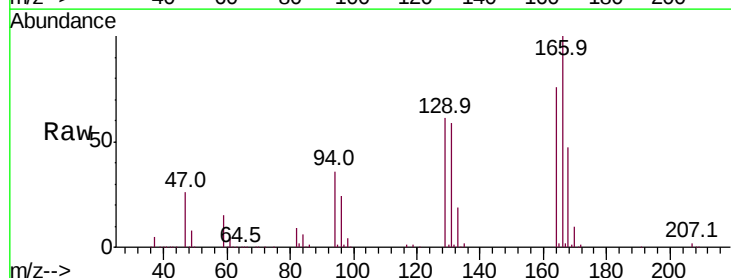


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

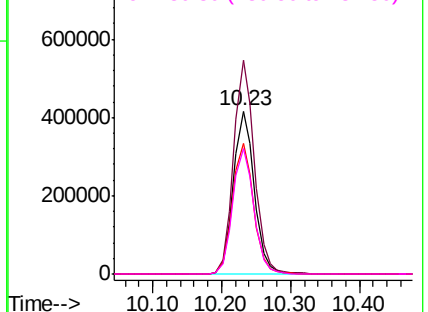
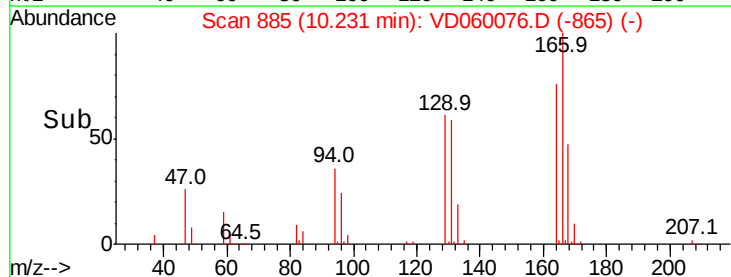


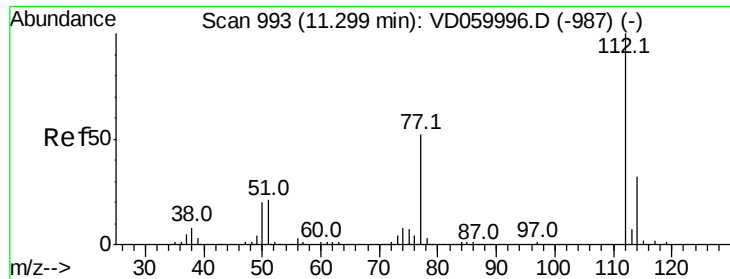
#64
Tetrachloroethene
Concen: 52.360 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:164 Resp: 873931
Ion Ratio Lower Upper
164 100
166 131.0 103.0 154.6
129 80.4 61.9 92.9
131 76.8 62.6 93.8



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

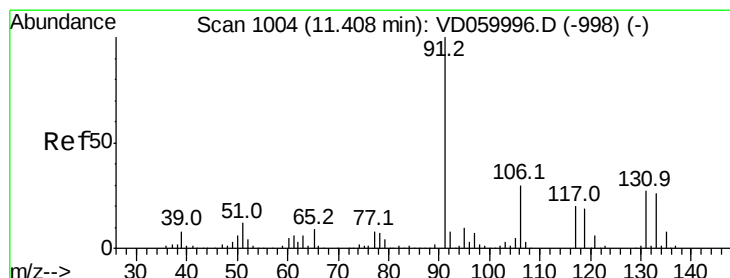
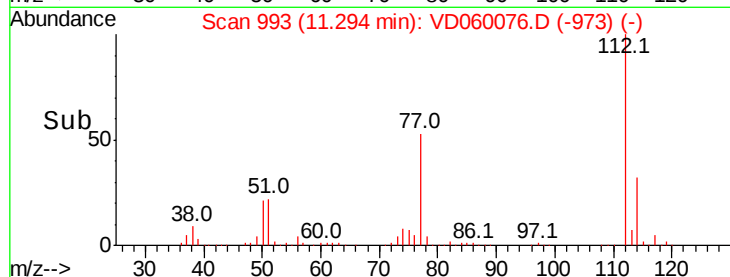
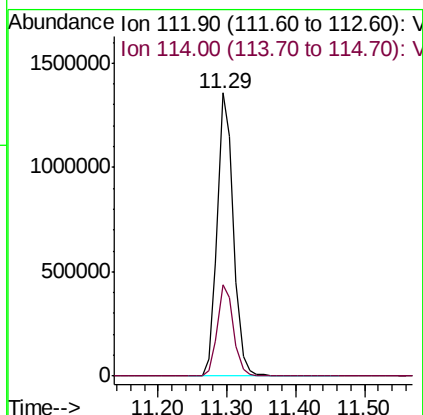
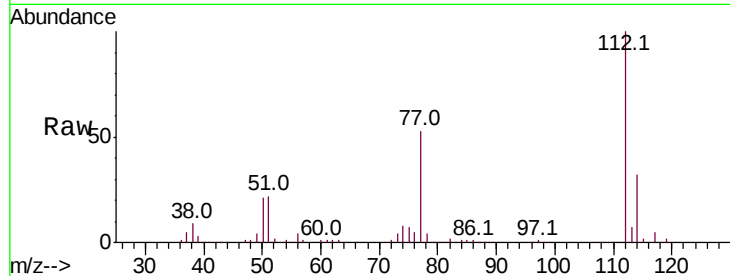




#65
Chlorobenzene
Concen: 54.245 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

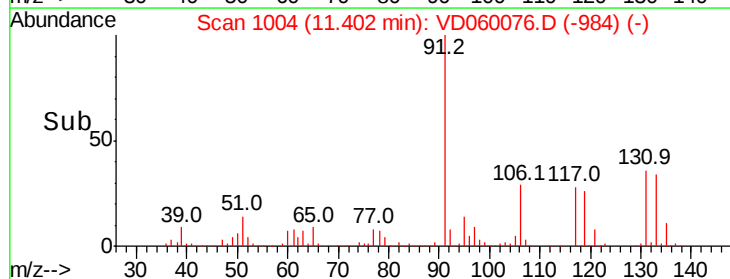
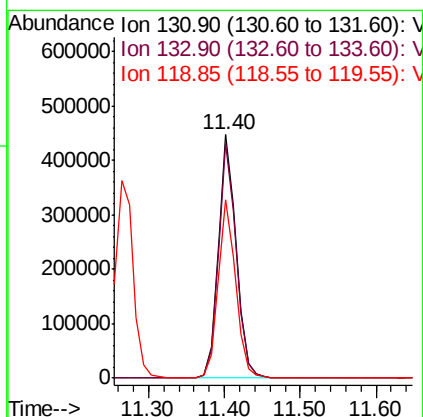
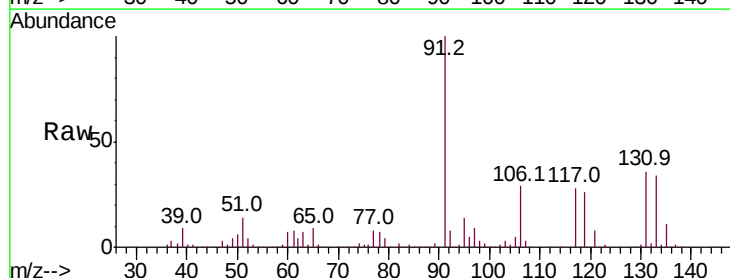
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

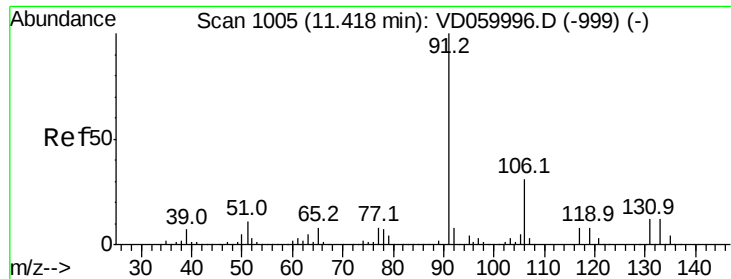
Tot Ion:112 Resp: 2206219
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.924 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:131 Resp: 739725
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 73.0 35.6 106.9

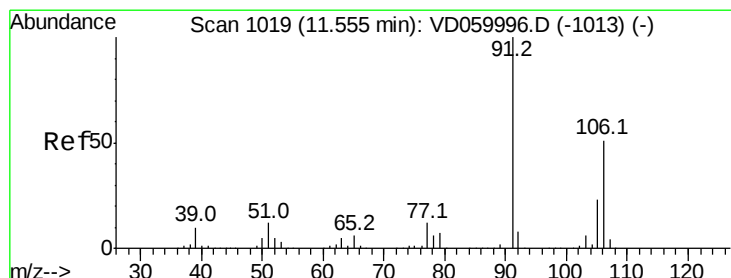
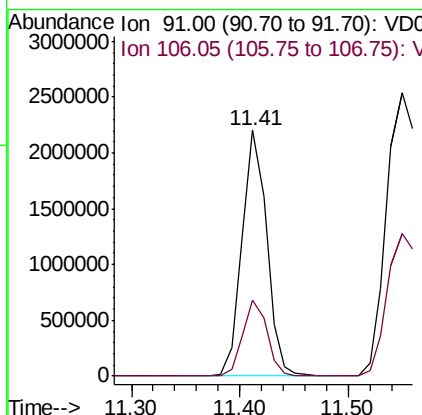
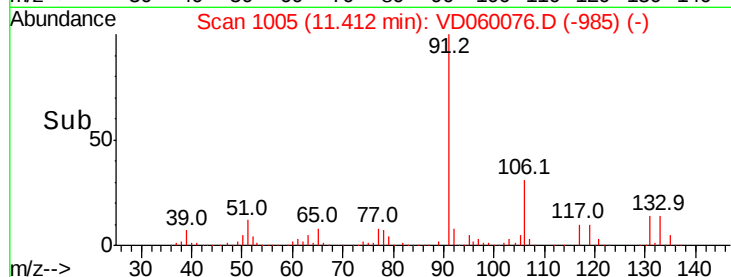
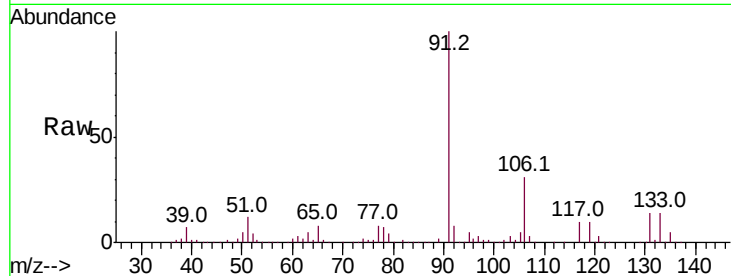




#67
Ethyl Benzene
Concen: 53.594 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

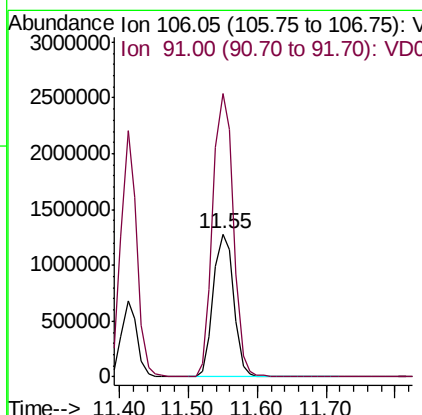
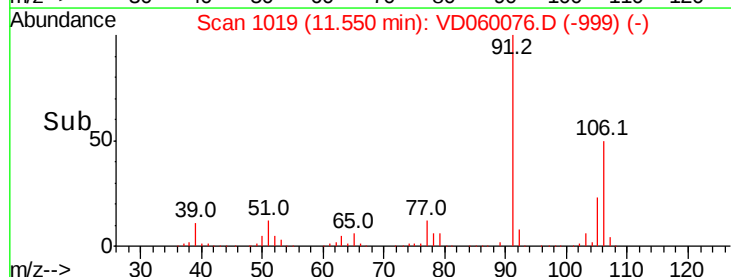
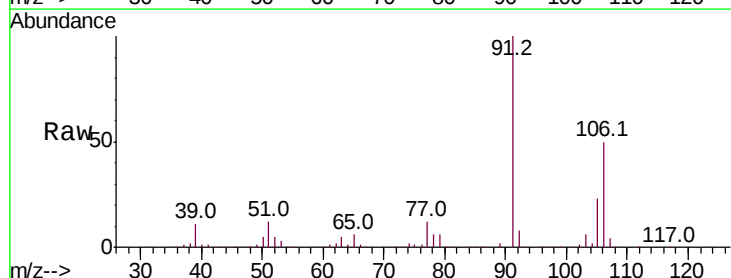
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

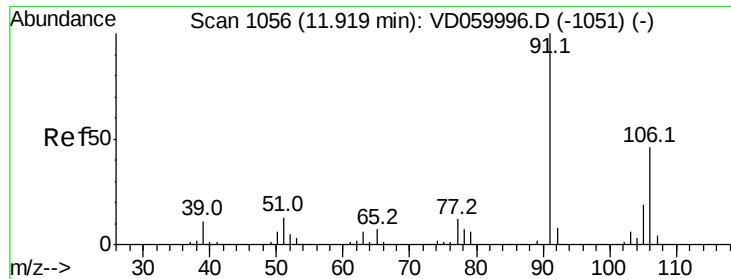
Tot Ion: 91 Resp: 3507849
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2



#68
m/p-Xylenes
Concen: 109.189 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 106 Resp: 2639415
Ion Ratio Lower Upper
106 100
91 198.3 157.0 235.6

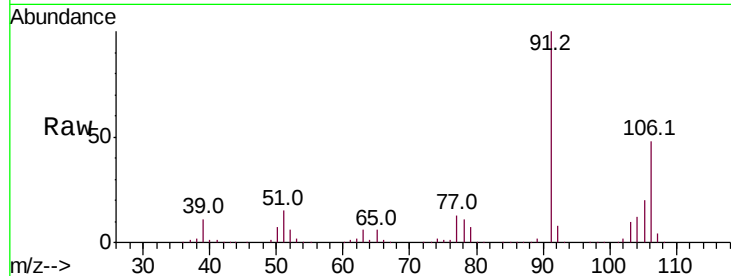




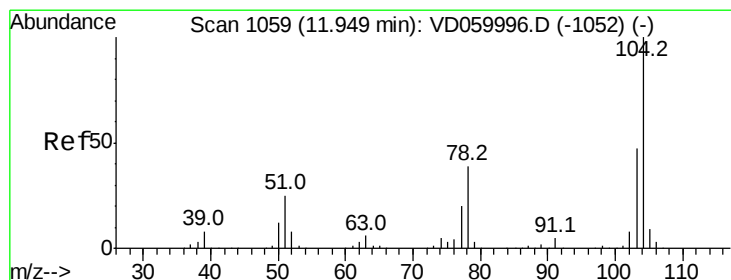
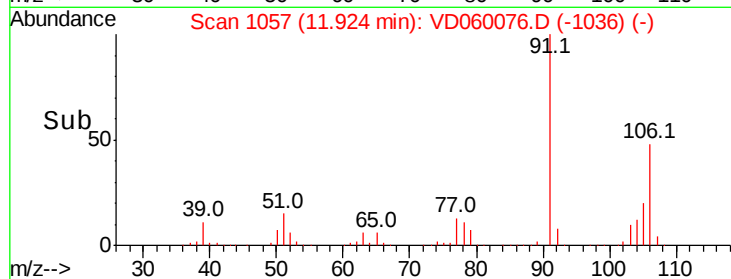
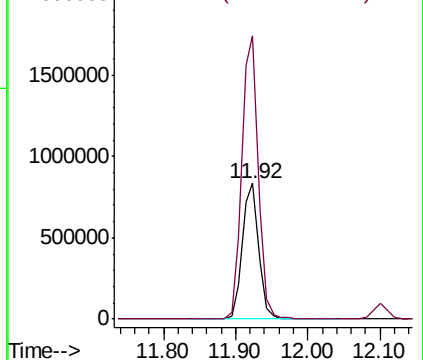
#69
o-Xylene
Concen: 54.937 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1315830
Ion Ratio Lower Upper
106 100
91 208.0 107.7 323.1

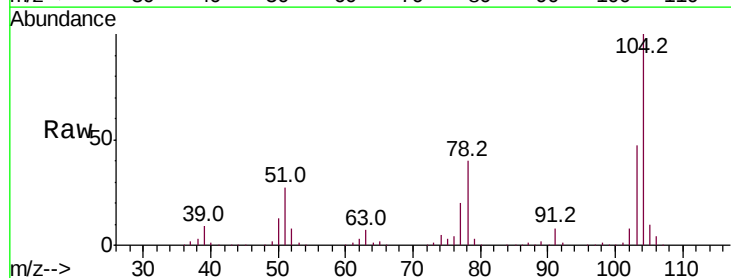


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

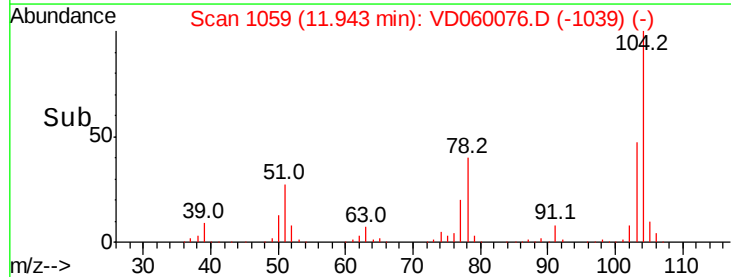
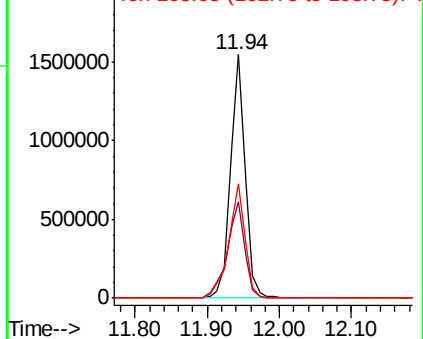


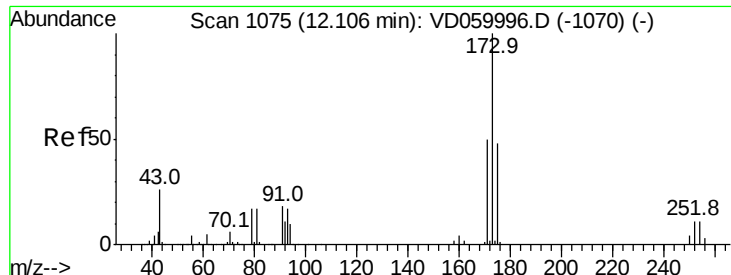
#70
Styrene
Concen: 54.362 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:104 Resp: 2189307
Ion Ratio Lower Upper
104 100
78 39.7 31.0 46.4
103 46.9 37.6 56.4



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





#71

Bromoform

Concen: 53.653 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

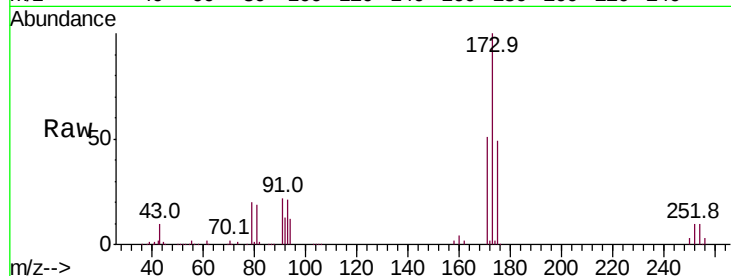
Tot Ion:173 Resp: 632345

Ion Ratio Lower Upper

173 100

175 49.3 24.0 72.0

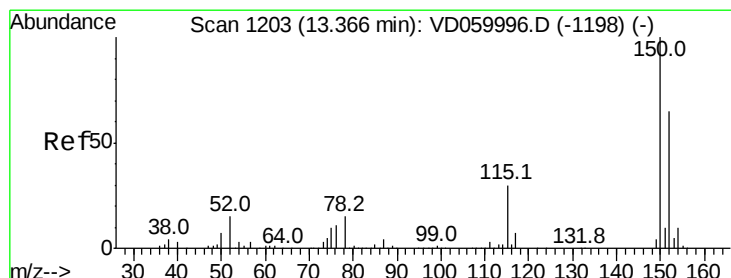
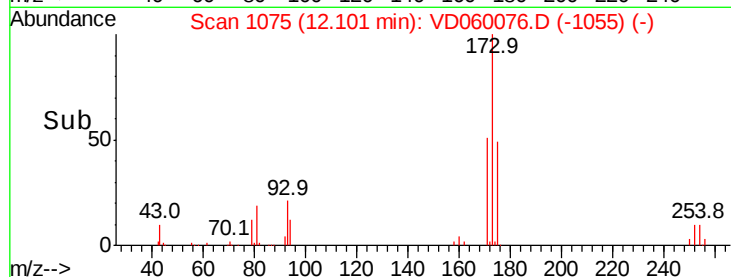
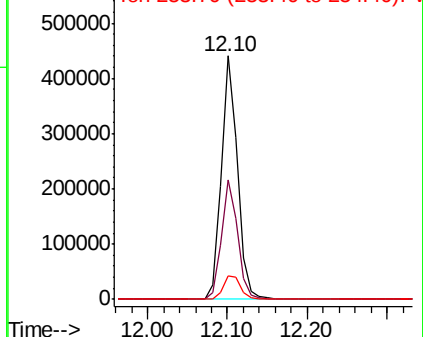
254 9.7 8.6 13.0



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: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

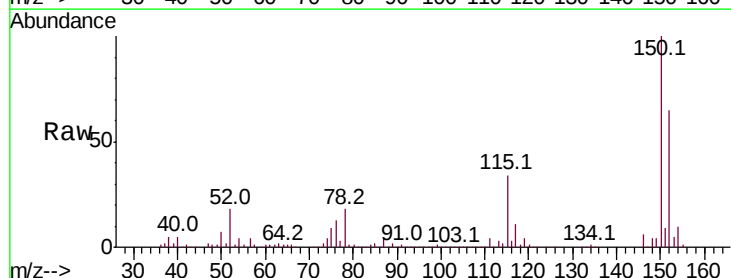
Tgt Ion:152 Resp: 1011033

Ion Ratio Lower Upper

152 100

115 52.4 24.6 73.8

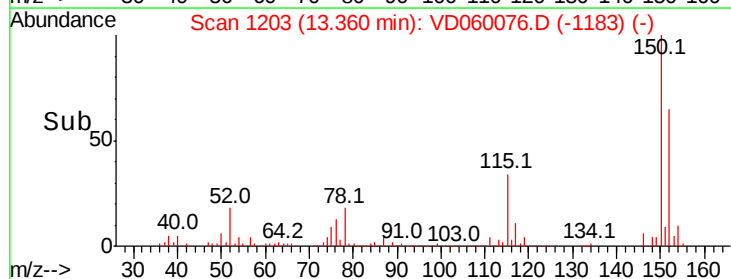
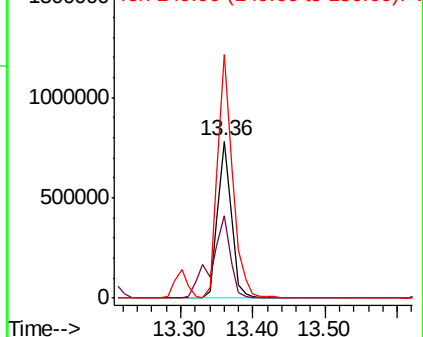
150 155.0 0.0 313.4

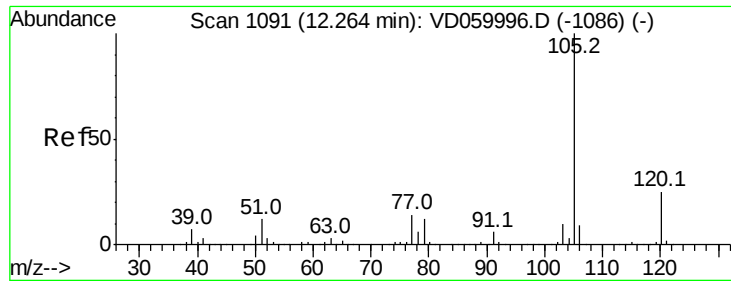


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.243 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

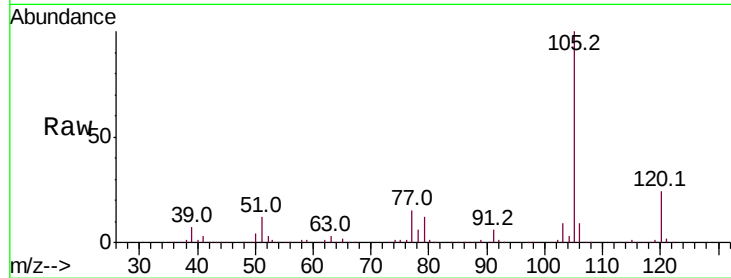
VSTDCCC050

Tot Ion:105 Resp: 3464161

Ion Ratio Lower Upper

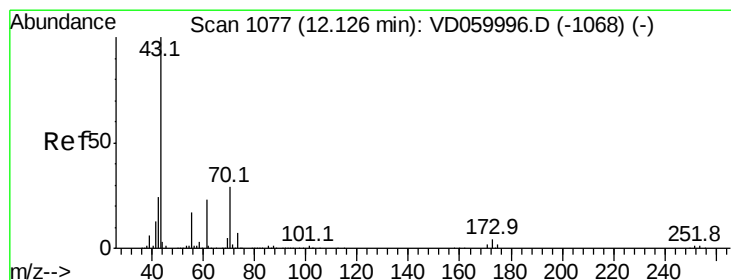
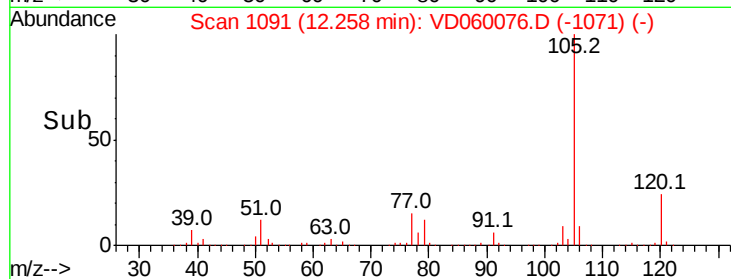
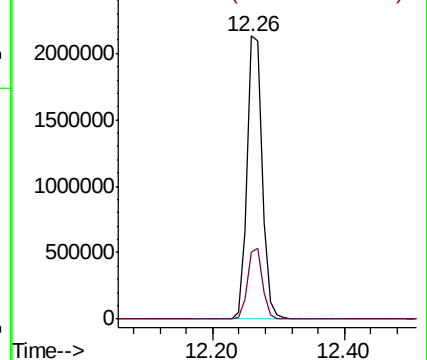
105 100

120 23.8 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.133 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion: 43 Resp: 1343024

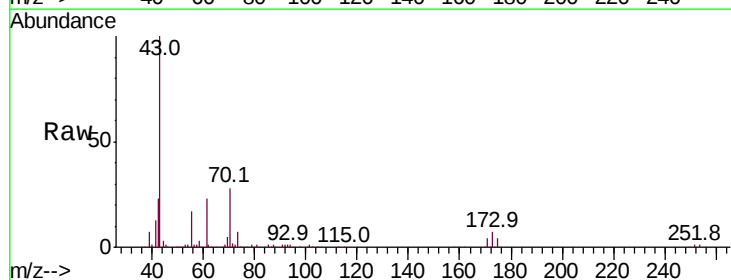
Ion Ratio Lower Upper

43 100

70 27.9 22.9 34.3

55 17.5 14.0 21.0

61 22.8 18.7 28.1

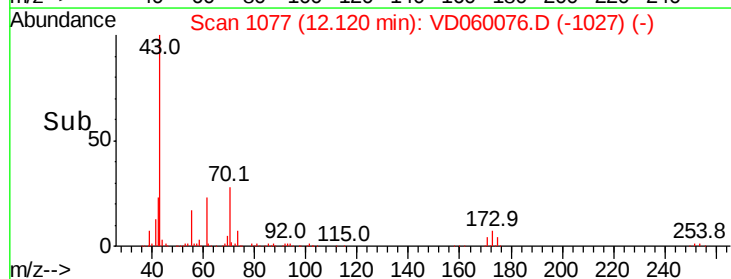
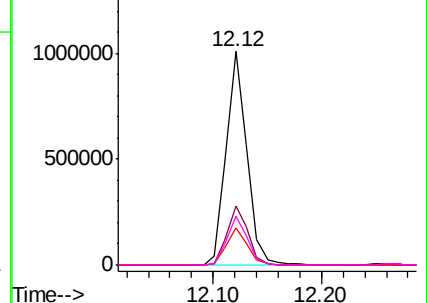


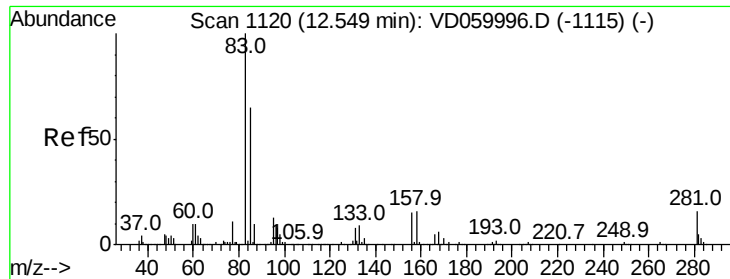
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.383 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

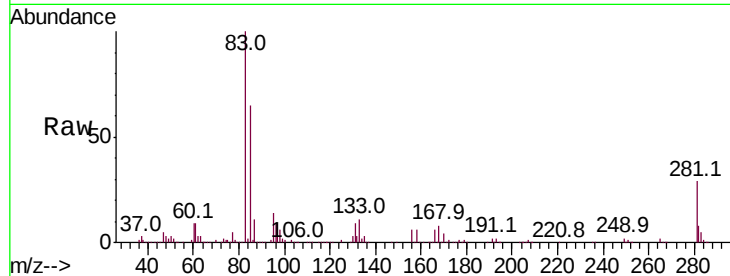
Tot Ion: 83 Resp: 772924

Ion Ratio Lower Upper

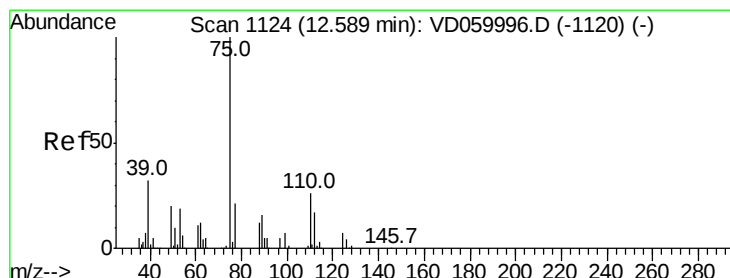
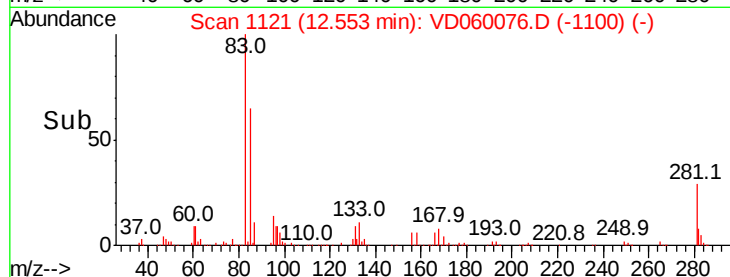
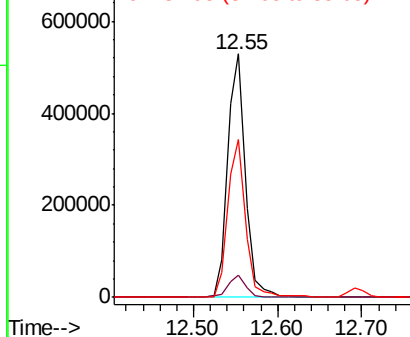
83 100

131 9.2 4.1 12.3

85 64.8 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 51.195 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060076.D

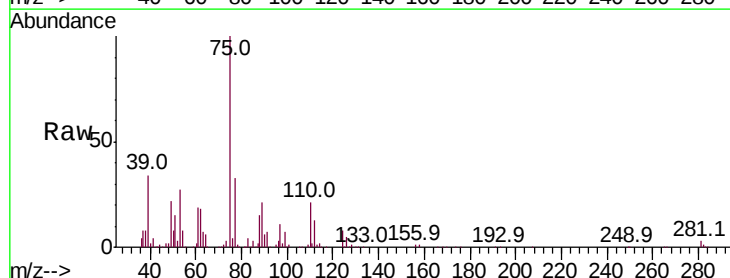
Acq: 24 Sep 2018 11:54

Tgt Ion: 75 Resp: 790511

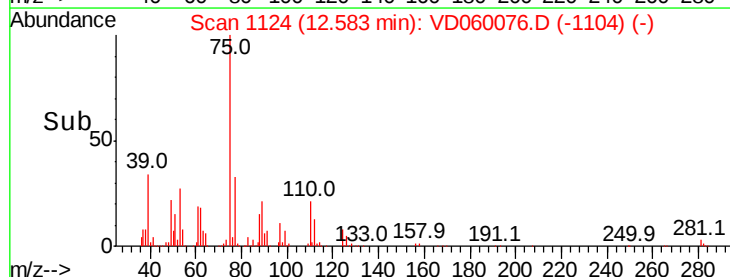
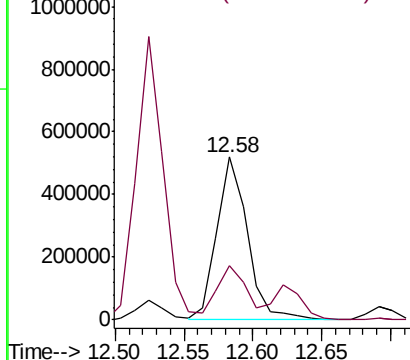
Ion Ratio Lower Upper

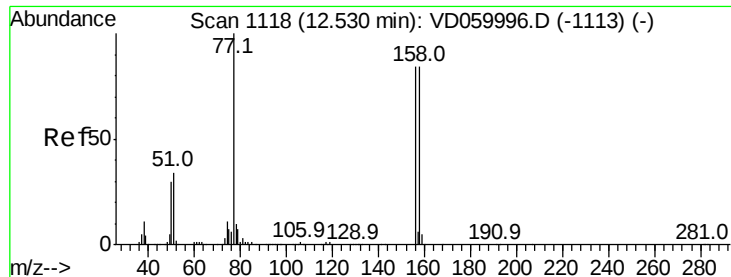
75 100

77 33.1 16.4 49.4



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





#77

Bromobenzene

Concen: 53.365 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

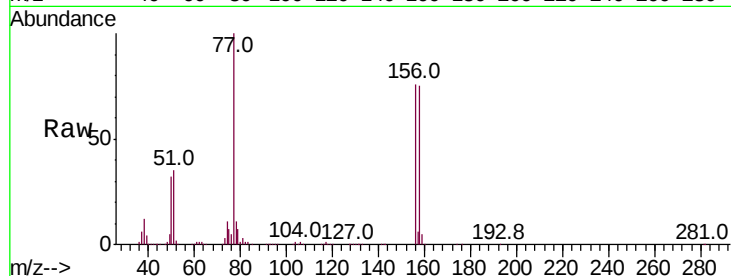
Tot Ion:156 Resp: 1019294

Ion Ratio Lower Upper

156 100

77 131.0 59.5 178.4

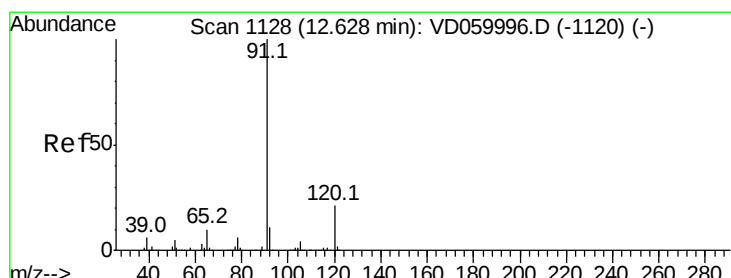
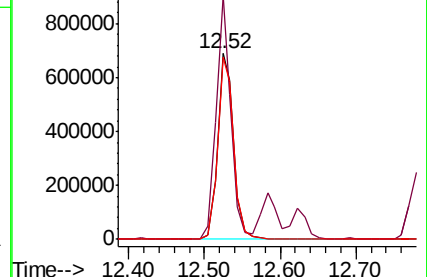
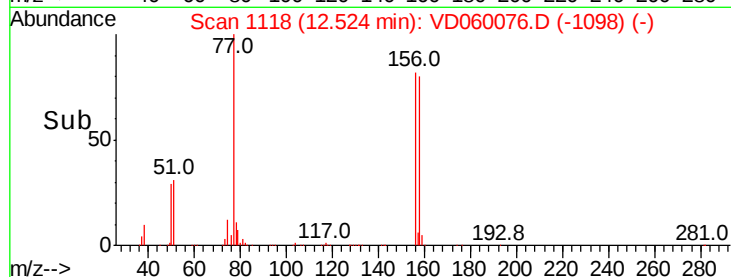
158 98.3 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.419 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD060076.D

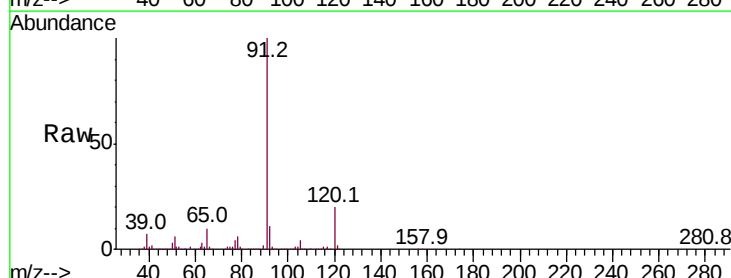
Acq: 24 Sep 2018 11:54

Tgt Ion: 91 Resp: 4454270

Ion Ratio Lower Upper

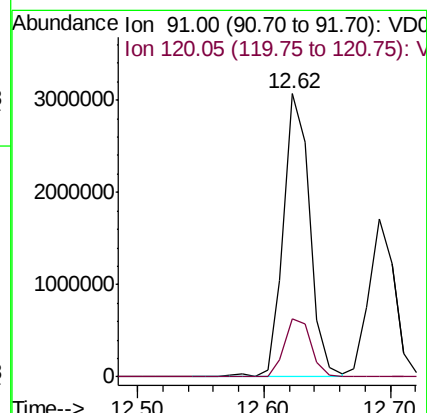
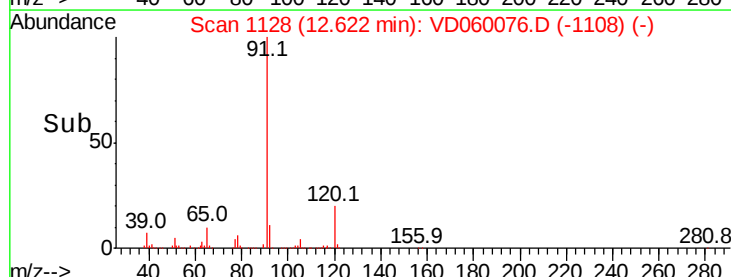
91 100

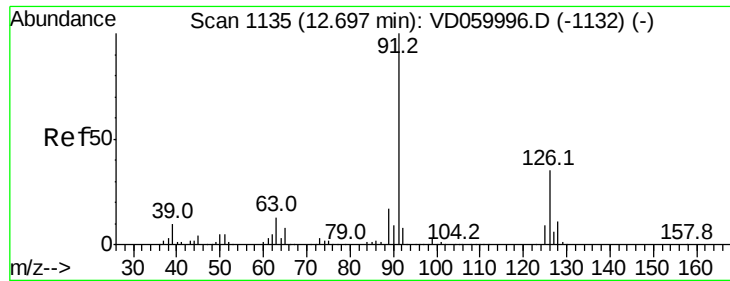
120 20.4 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

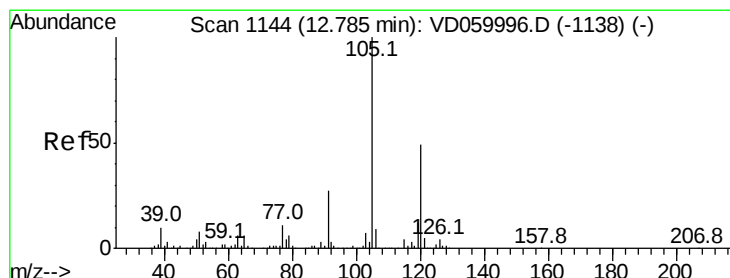
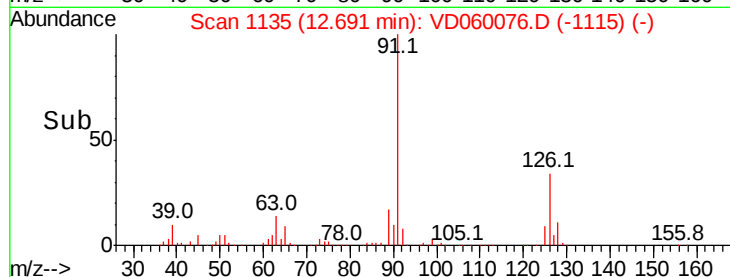
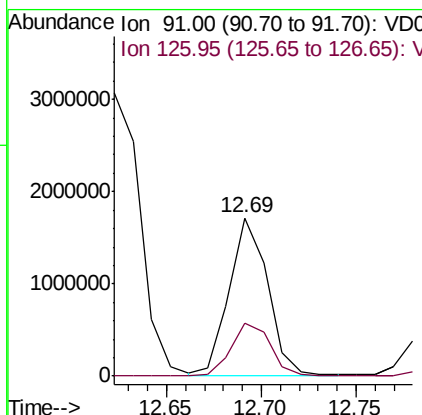
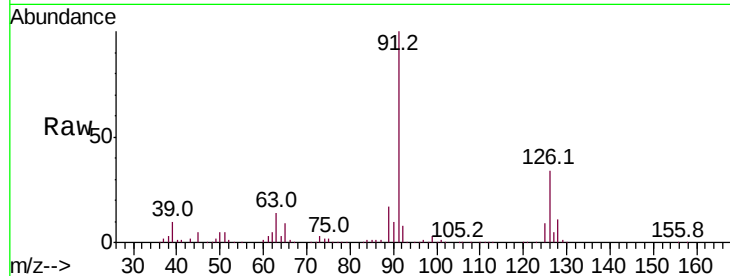




#79
 2-Chlorotoluene
 Concen: 51.283 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

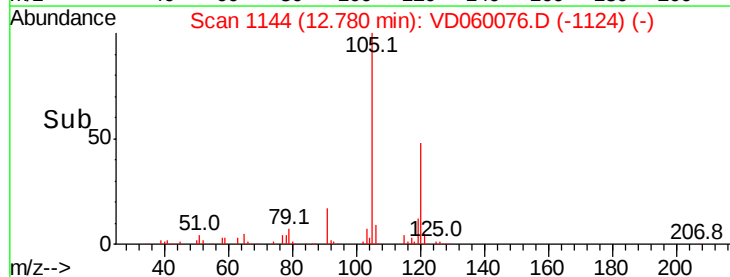
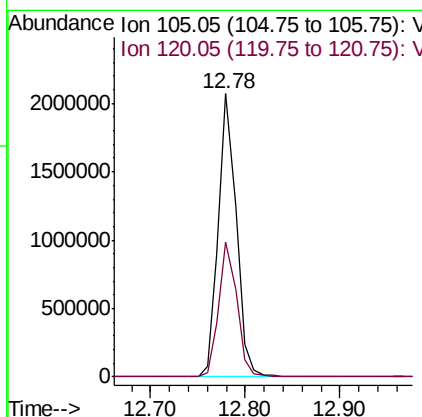
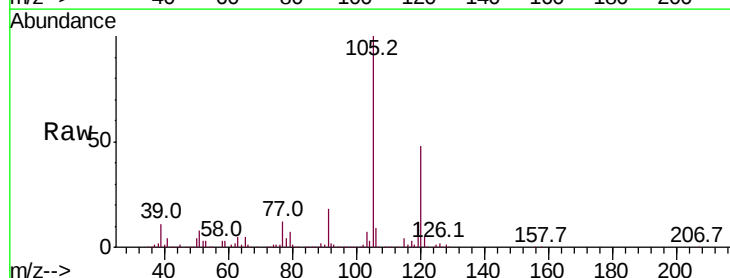
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

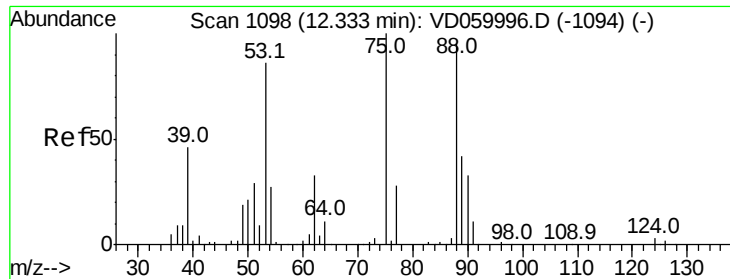
Tot Ion: 91 Resp: 2413577
 Ion Ratio Lower Upper
 91 100
 126 33.6 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 53.517 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion:105 Resp: 2719899
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.742 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

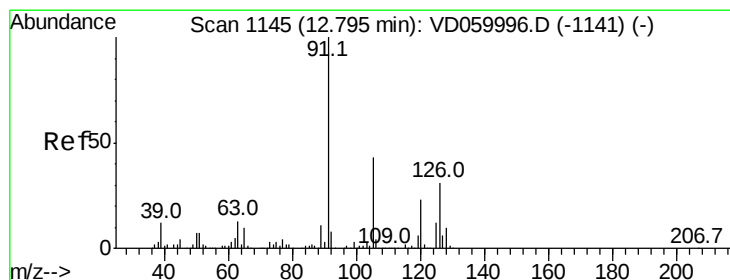
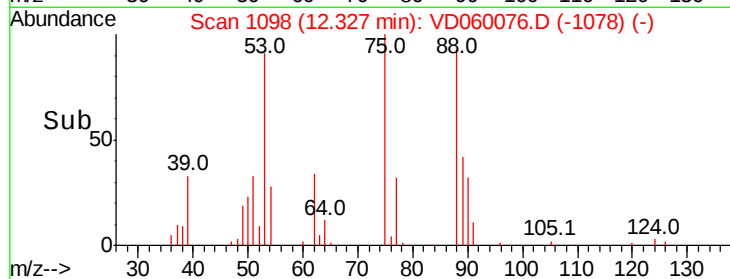
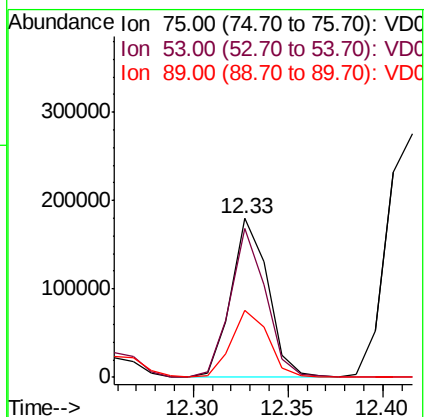
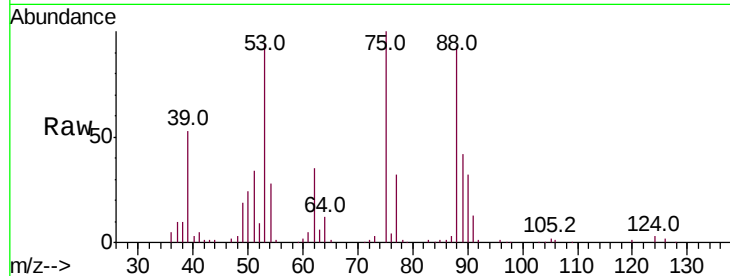
Tot Ion: 75 Resp: 241176

Ion Ratio Lower Upper

75 100

53 93.5 68.4 102.6

89 42.0 33.8 50.6



#82

4-Chlorotoluene

Concen: 52.666 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060076.D

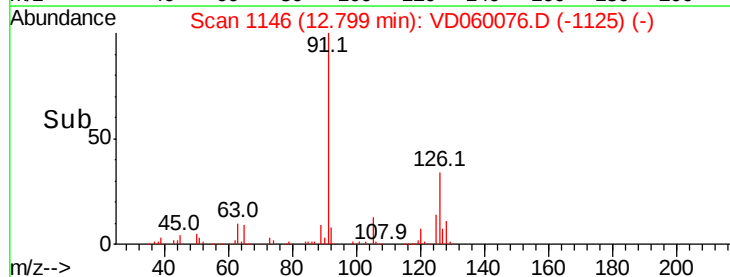
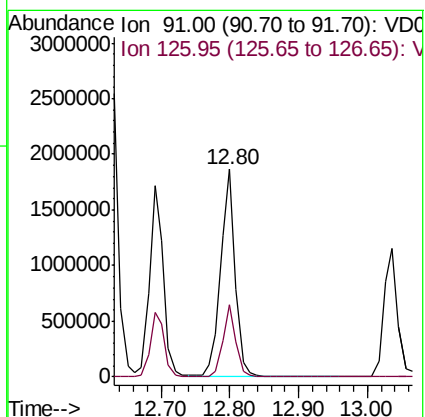
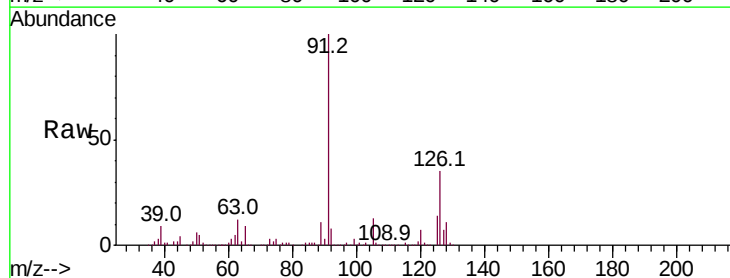
Acq: 24 Sep 2018 11:54

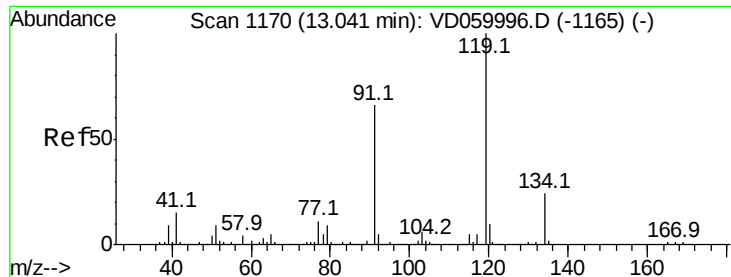
Tgt Ion: 91 Resp: 2725073

Ion Ratio Lower Upper

91 100

126 34.5 15.4 46.1



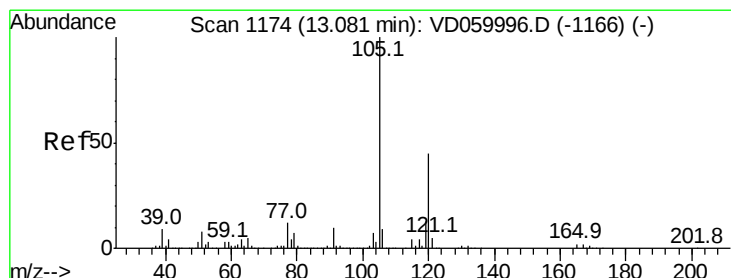
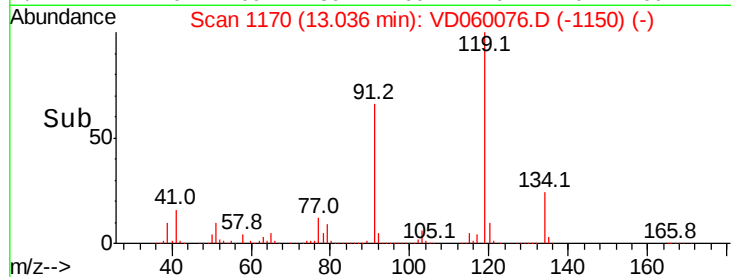
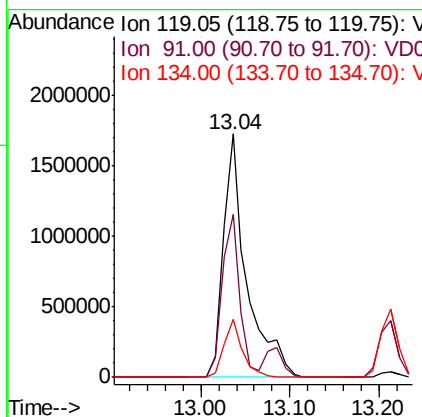
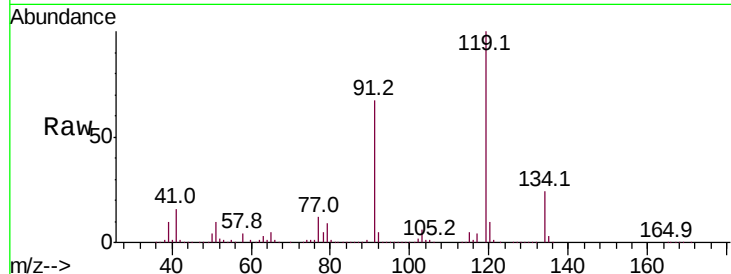


#83
 tert-Butylbenzene
 Concen: 54.067 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3183369

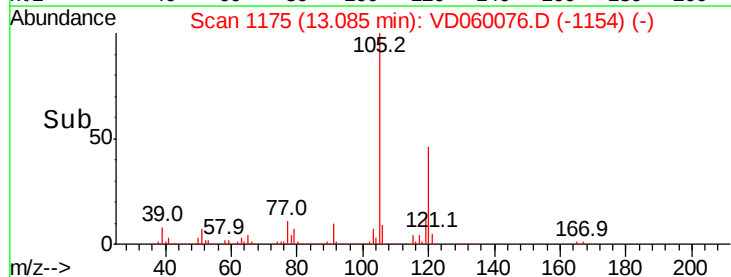
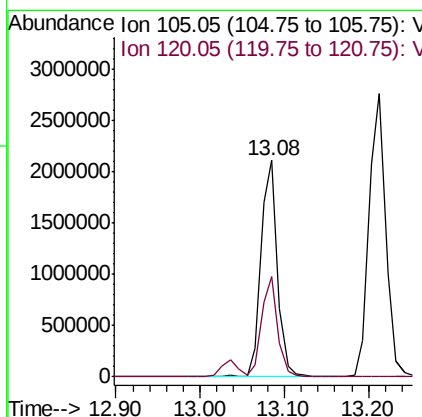
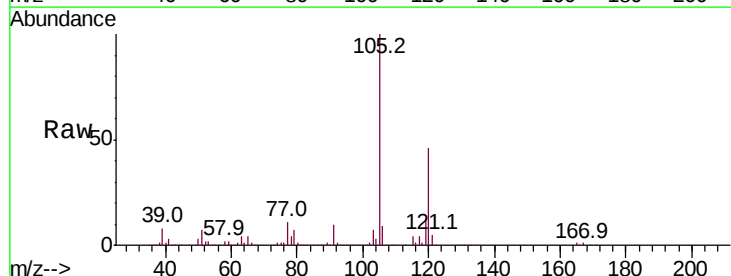
Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.9	98.6
134	23.8	12.0	36.0

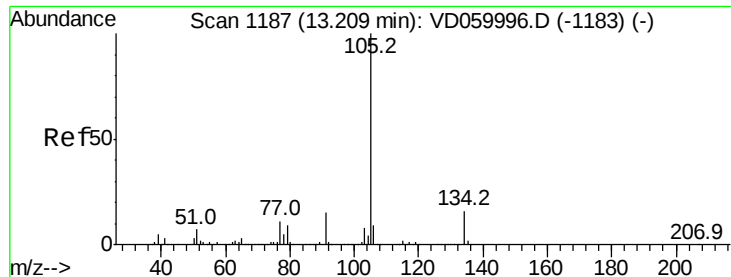


#84
 1,2,4-Trimethylbenzene
 Concen: 54.000 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion:105 Resp: 2928707

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 54.425 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

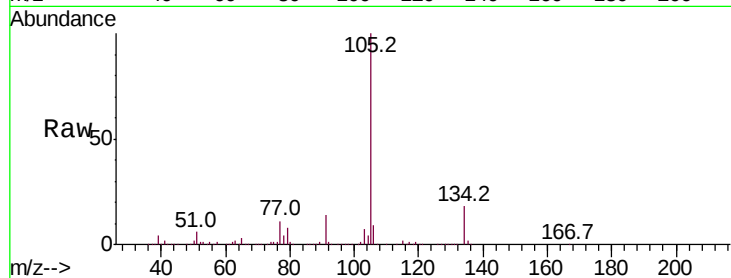
VSTDCCC050

Tot Ion:105 Resp: 3803876

Ion Ratio Lower Upper

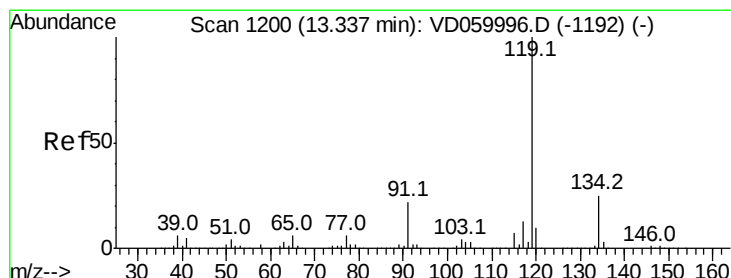
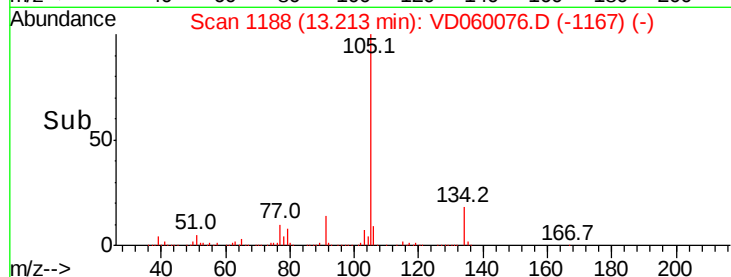
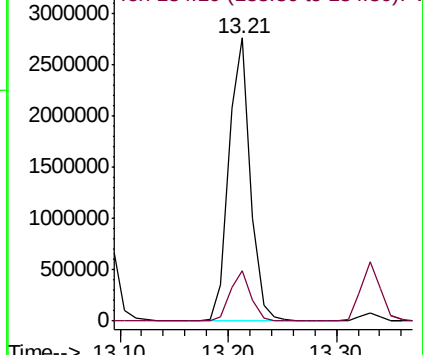
105 100

134 17.6 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.545 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

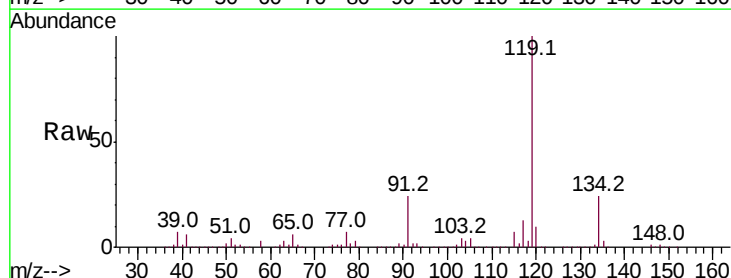
Tgt Ion:119 Resp: 3083362

Ion Ratio Lower Upper

119 100

134 24.3 12.8 38.3

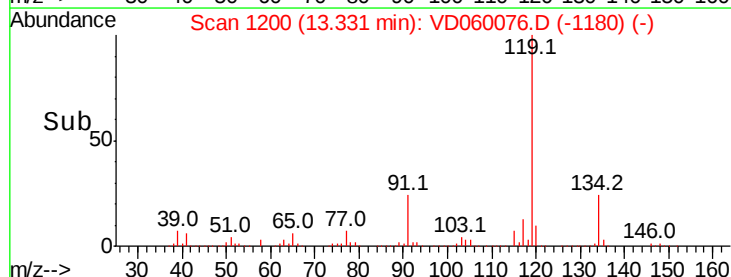
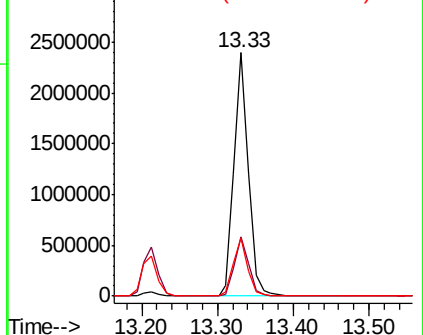
91 23.7 11.1 33.3

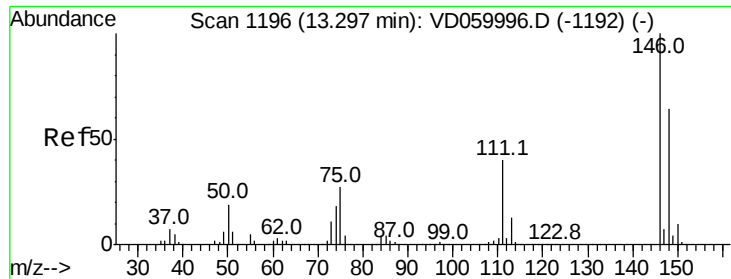


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



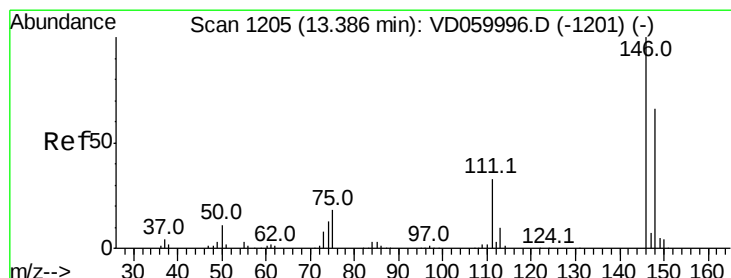
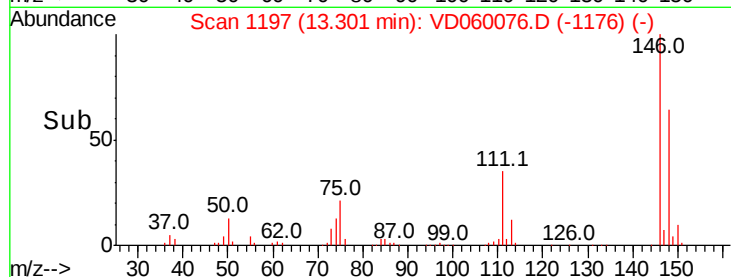
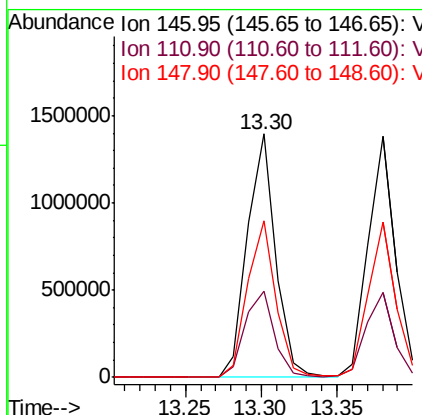
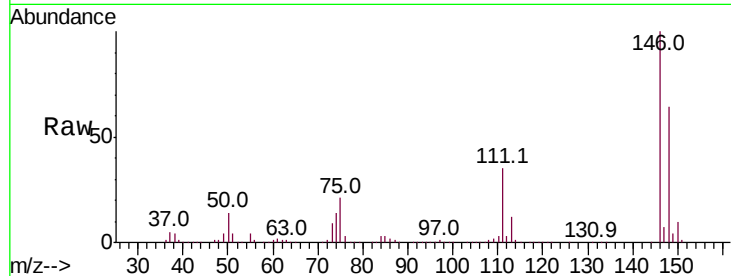


#87
 1,3-Dichlorobenzene
 Concen: 55.072 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1829226

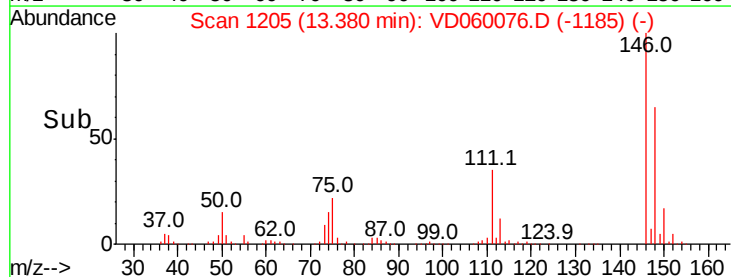
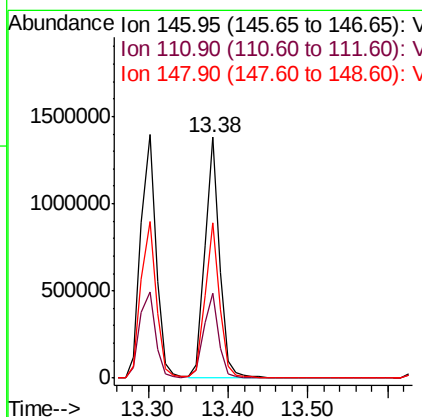
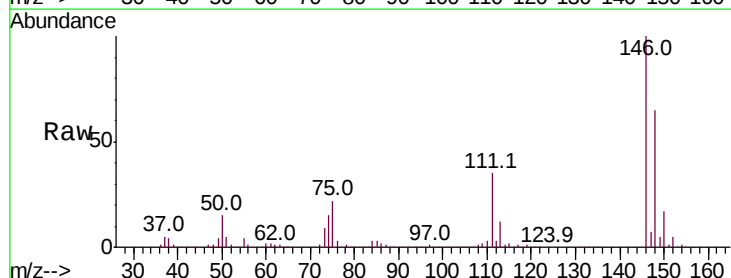
Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.2	60.5
148	64.3	32.0	96.2

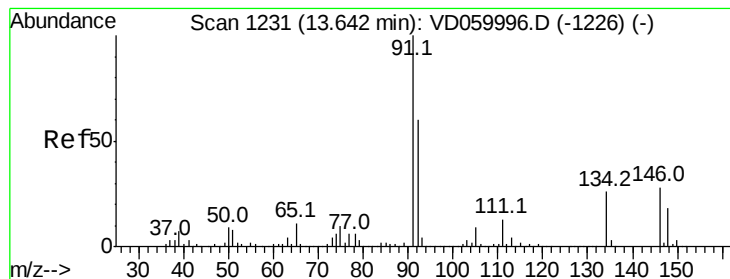


#88
 1,4-Dichlorobenzene
 Concen: 52.386 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion:146 Resp: 1764888

Ion	Ratio	Lower	Upper
146	100		
111	35.0	16.7	50.0
148	64.5	32.9	98.6





#89

n-Butylbenzene

Concen: 57.999 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

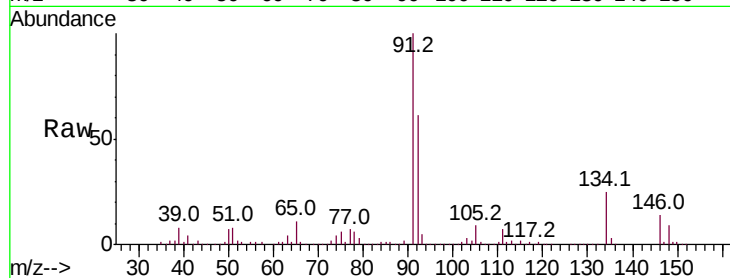
Tot Ion: 91 Resp: 2982666

Ion	Ratio	Lower	Upper
91	100		
92	60.5	29.8	89.3
134	24.5	13.2	39.6

91 100

92 60.5 29.8 89.3

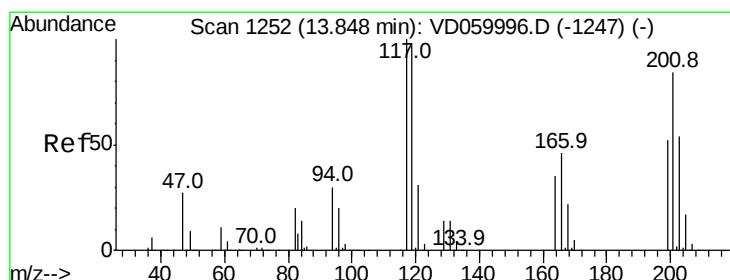
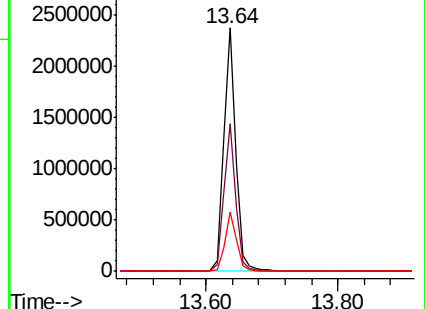
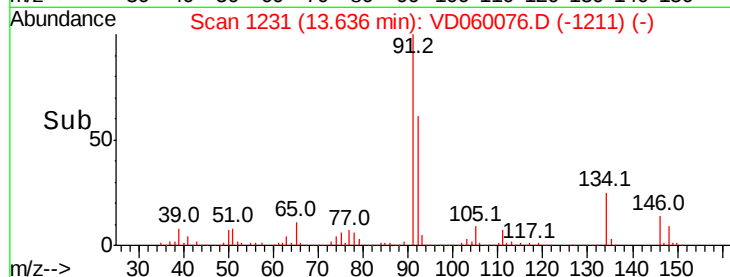
134 24.5 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 54.973 ug/l

RT: 13.84 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VD060076.D

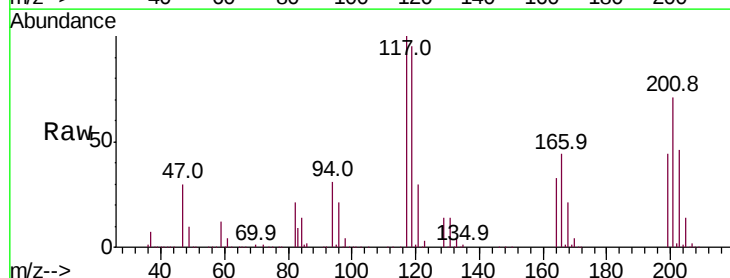
Acq: 24 Sep 2018 11:54

Tgt Ion: 117 Resp: 769688

Ion	Ratio	Lower	Upper
117	100		
201	70.6	42.1	126.4

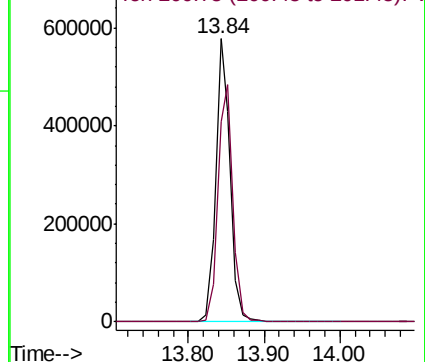
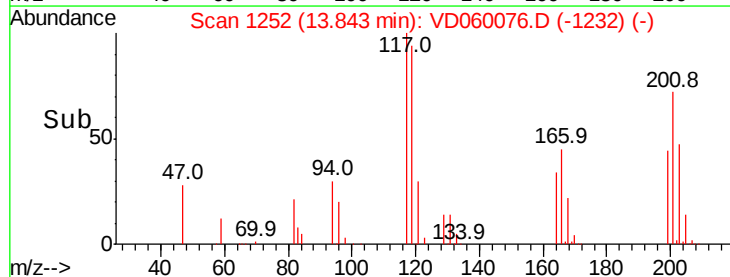
117 100

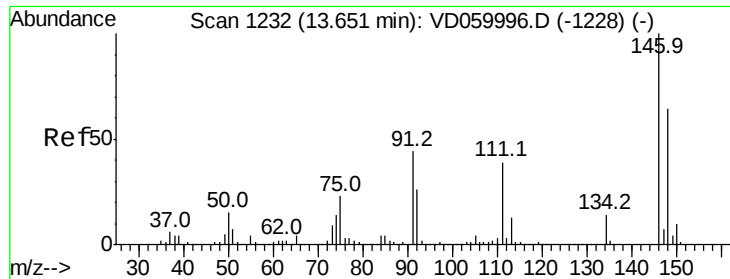
201 70.6 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC



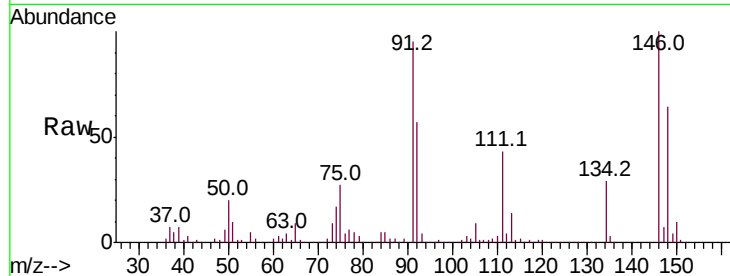


#91
 1,2-Dichlorobenzene
 Concen: 56.557 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

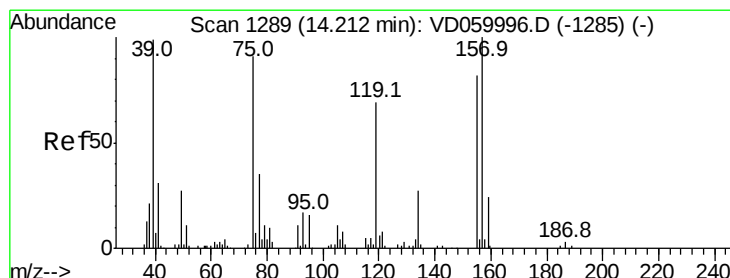
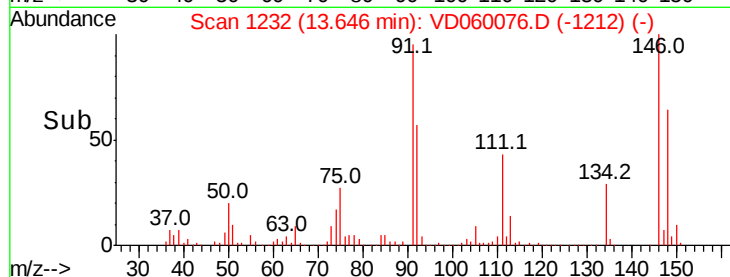
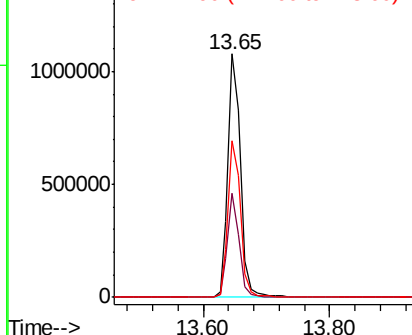
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1484037

Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.6	58.7
148	64.2	31.9	95.7



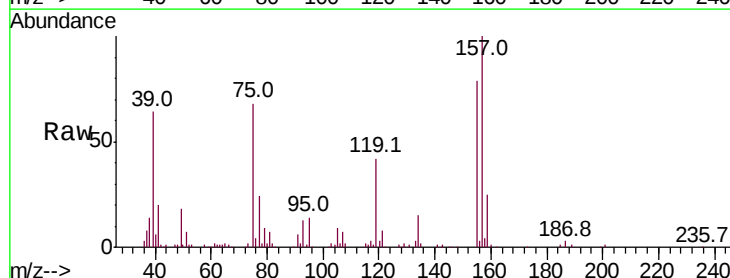
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



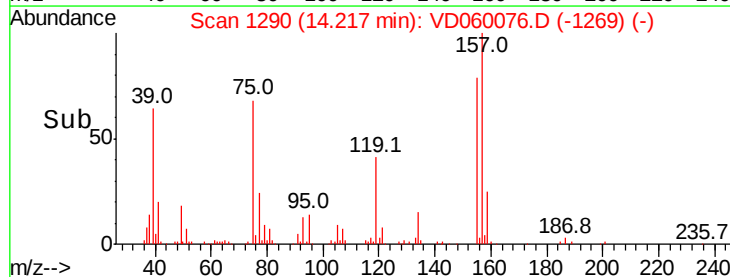
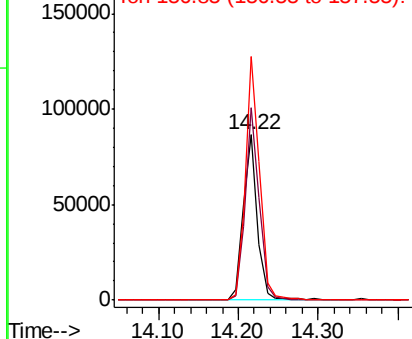
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.953 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

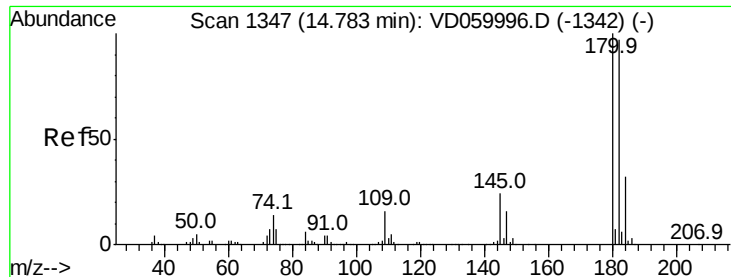
Tgt Ion: 75 Resp: 107672

Ion	Ratio	Lower	Upper
75	100		
155	116.5	44.7	134.1
157	147.4	54.7	164.1



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

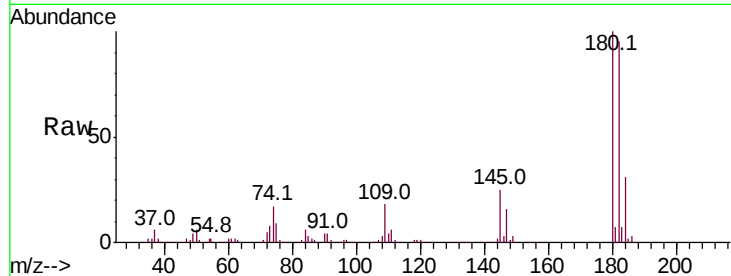




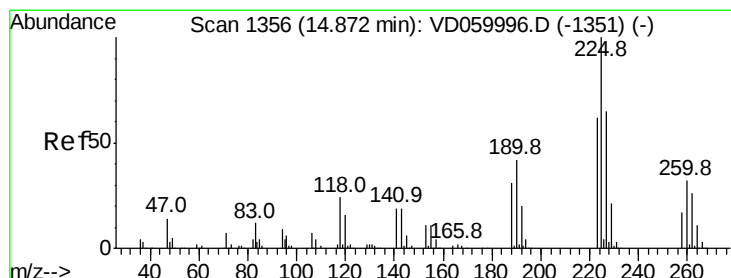
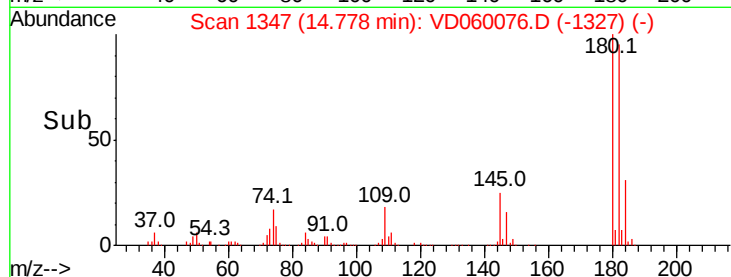
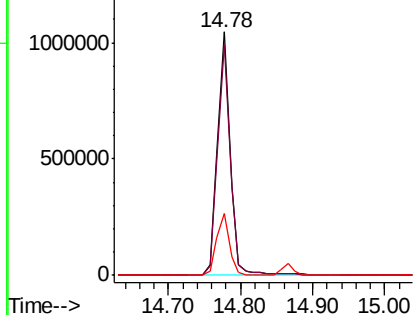
#93
 1,2,4-Trichlorobenzene
 Concen: 53.229 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1259921
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.5 145.6
 145 25.3 11.9 35.7

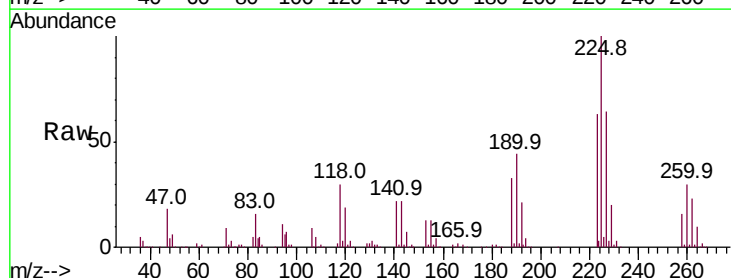


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

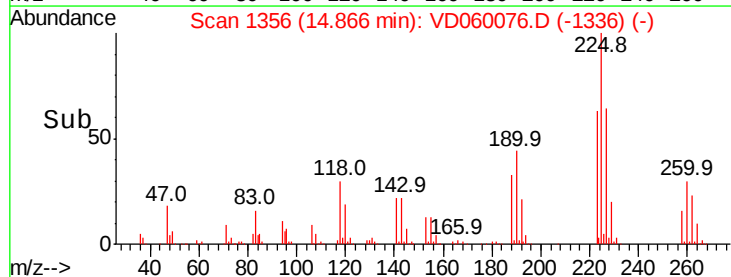
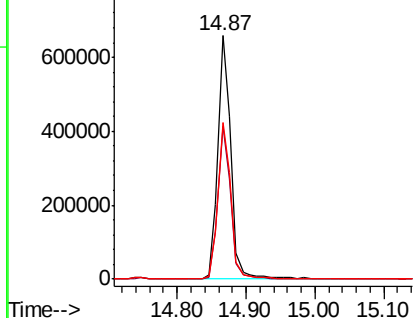


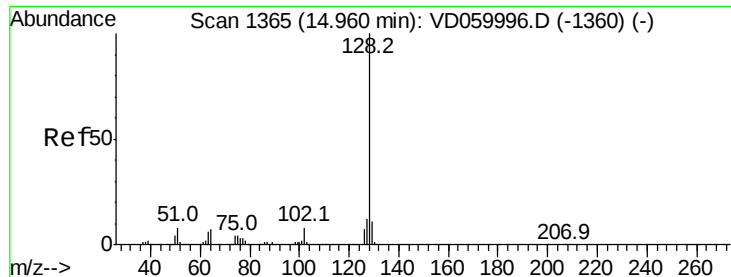
#94
 Hexachlorobutadiene
 Concen: 54.872 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion:225 Resp: 859167
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.2 93.6
 227 64.3 32.3 96.8



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





#95

Naphthalene

Concen: 50.819 ug/l

RT: 14.95 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

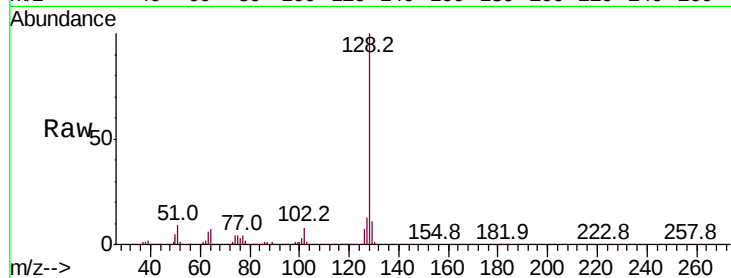
Tot Ion:128 Resp: 1857675

Ion Ratio Lower Upper

128 100

127 12.8 9.7 14.5

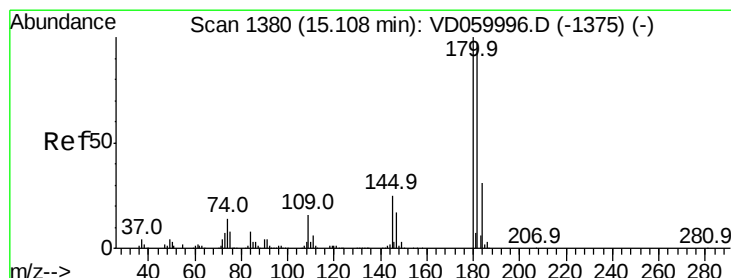
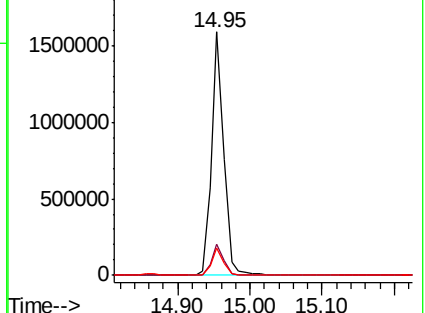
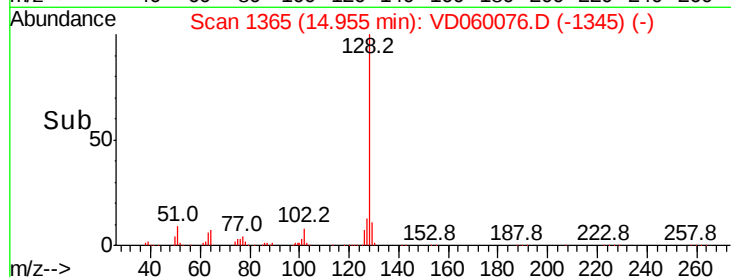
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.003 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

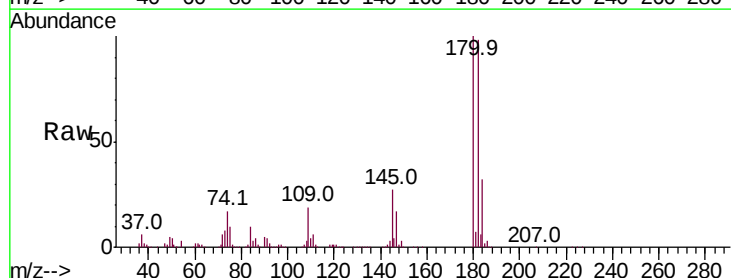
Tgt Ion:180 Resp: 1063876

Ion Ratio Lower Upper

180 100

182 97.8 48.6 145.9

145 27.3 12.7 38.1



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

