

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059713.D
 Acq On : 8 Aug 2018 15:14
 Operator : VA/AP
 Sample : J4297-06RE
 Misc : 5.29g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6RE

Quant Time: Aug 08 16:05:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	171445	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	231143	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	114839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.04	152	40569	50.00	ug/l	0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	108430	49.17	ug/l	0.02
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.55	113	92780	44.69	ug/l	0.03
Spiked Amount			Recovery	=	89.38%	
50) Toluene-d8	8.71	98	157626	34.88	ug/l	0.02
Spiked Amount			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	11.93	95	221955	106.42	ug/l	0.00
Spiked Amount			Recovery	=	212.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	42755	103.202	ug/l	95
17) Carbon Disulfide	2.76	76	28781	9.460	ug/l #	95
18) Methyl Acetate	3.07	43	2864	3.741	ug/l #	57
20) Methylene Chloride	3.07	84	3002	Below Cal		85
25) 2-Butanone	4.84	43	16982	31.209	ug/l	92
29) Tetrahydrofuran	4.84	42	1139	5.405	ug/l #	1
31) Cyclohexane	5.59	56	8920	1.496	ug/l #	66
36) 1,1-Dichloropropene	5.64	75	15001	5.838	ug/l #	53
37) Ethyl Acetate	4.84	43	16982	13.611	ug/l #	72
38) Carbon Tetrachloride	5.64	117	17682	5.142	ug/l #	13
39) Methylcyclohexane	7.29	83	28040	12.911	ug/l	87
43) Isopropyl Acetate	7.66	43	7155	4.387	ug/l #	46
48) Methyl methacrylate	7.55	41	3881	3.606	ug/l #	80
51) 4-Methyl-2-Pentanone	8.58	43	3123	2.626	ug/l #	43
52) Toluene	8.81	92	6487	2.041	ug/l	91
55) 1,1,2-Trichloroethane	9.52	97	7182	5.882	ug/l #	41
56) Ethyl methacrylate	9.38	69	34410	25.541	ug/l #	1
59) 2-Hexanone	9.75	43	564363	631.920	ug/l #	39
67) Ethyl Benzene	10.90	91	9973	2.288	ug/l #	49
68) m/p-Xylenes	11.02	106	3633	2.606	ug/l #	7
69) o-Xylene	11.42	106	5486	4.047	ug/l	28
73) Isopropylbenzene	11.79	105	23235	8.522	ug/l	100
74) N-amyl acetate	11.63	43	2261458	2592.673	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.02	83	119629	218.661	ug/l #	33
76) 1,2,3-Trichloropropane	12.12	75	3883	6.192	ug/l #	1
77) Bromobenzene	12.15	156	1403	1.766	ug/l #	1
78) n-propylbenzene	12.16	91	11090	3.282	ug/l #	78
79) 2-Chlorotoluene	12.16	91	11090	5.435	ug/l	81
80) 1,3,5-Trimethylbenzene	12.28	105	14583	6.421	ug/l	76
81) trans-1,4-Dichloro-2-buten	11.79	75	2390	15.615	ug/l #	1
82) 4-Chlorotoluene	12.29	91	40643	17.015	ug/l	94
83) tert-Butylbenzene	12.60	119	50124	19.719	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.65	105	6022	2.502	ug/l	78
85) sec-Butylbenzene	12.77	105	161180	57.097	ug/l	89

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QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

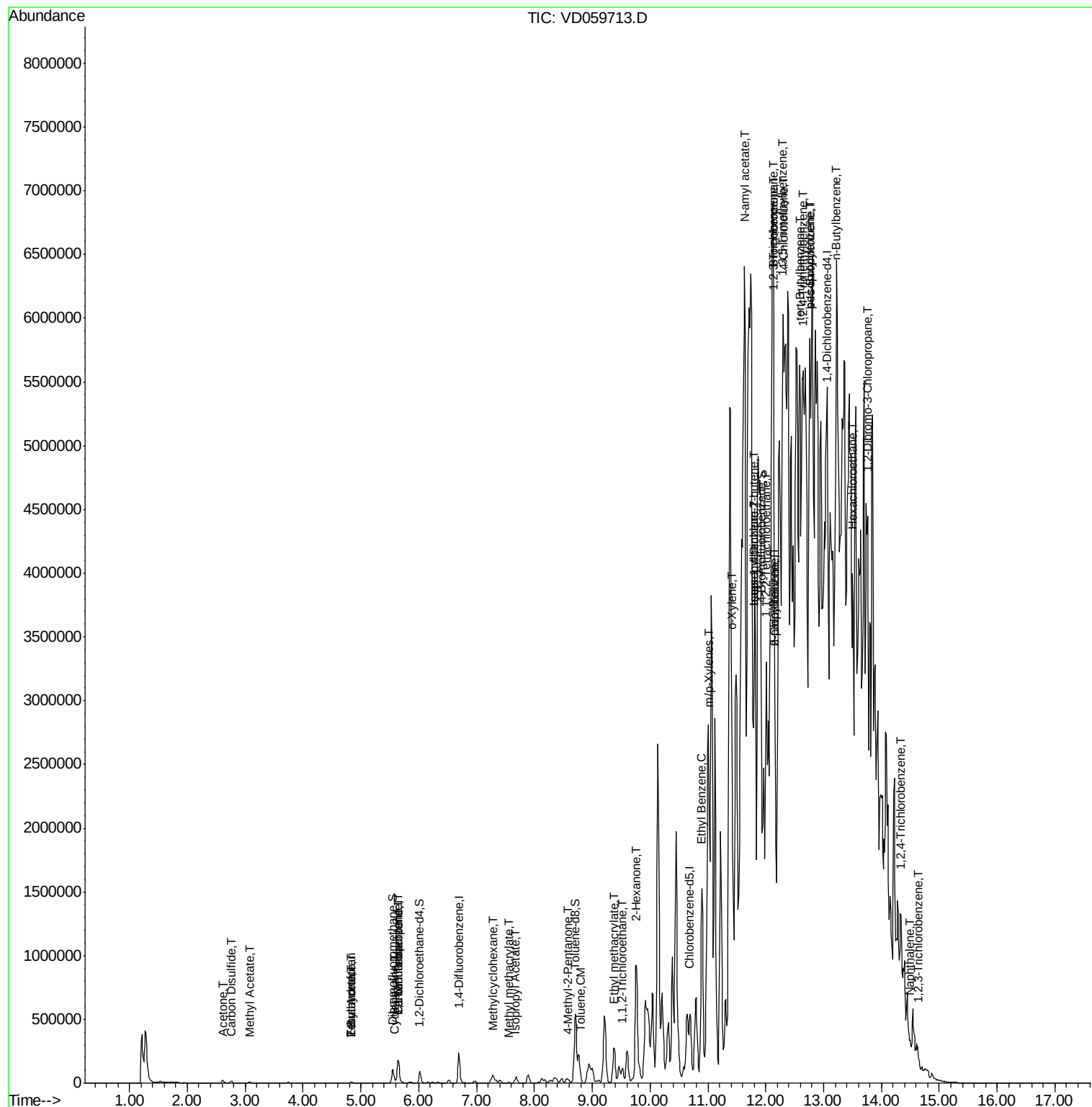
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.77	119	3479	1.445	ug/l #	1
89) n-Butylbenzene	13.21	91	93781	38.420	ug/l #	63
90) Hexachloroethane	13.50	117	238262	381.865	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	13.76	75	6544	57.268	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.34	180	2419	2.328	ug/l #	1
95) Naphthalene	14.51	128	3744	2.433	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	1505	1.656	ug/l #	1

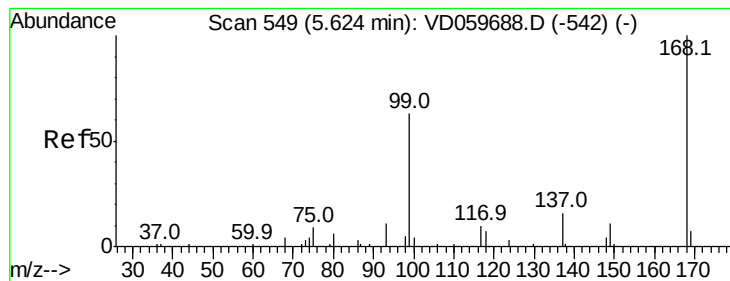
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

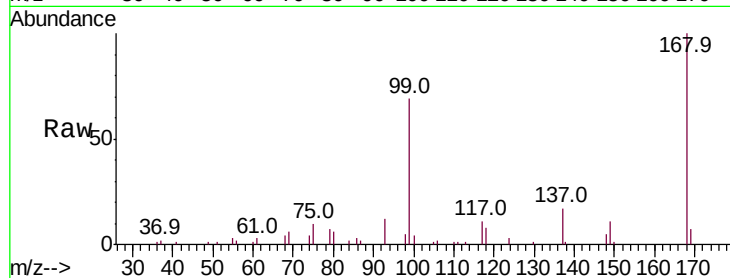
TP-6RE

Tot Ion:168 Resp: 171445

Ion Ratio Lower Upper

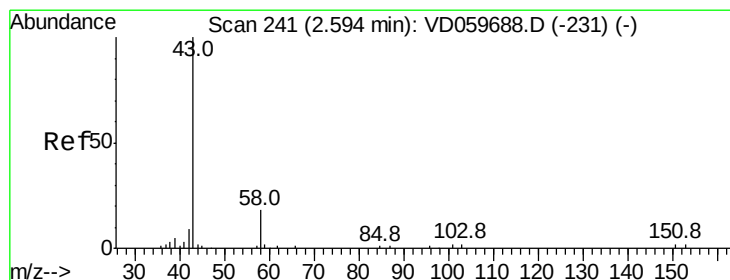
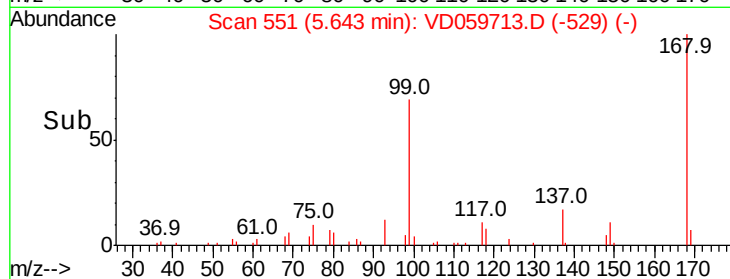
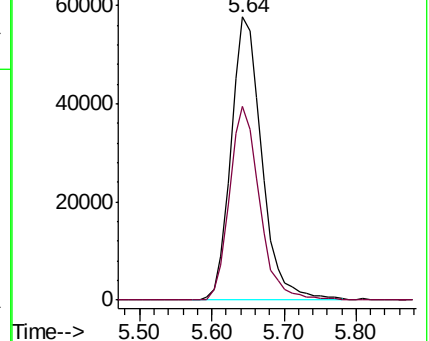
168 100

99 68.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 103.202 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059713.D

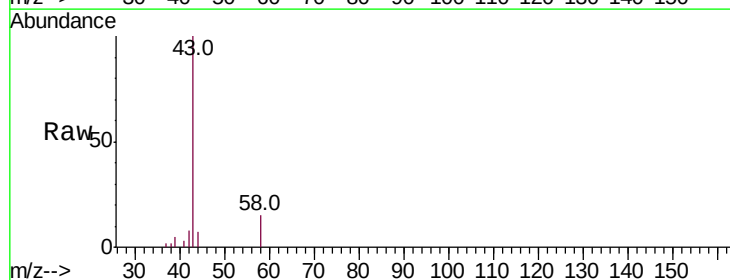
Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 42755

Ion Ratio Lower Upper

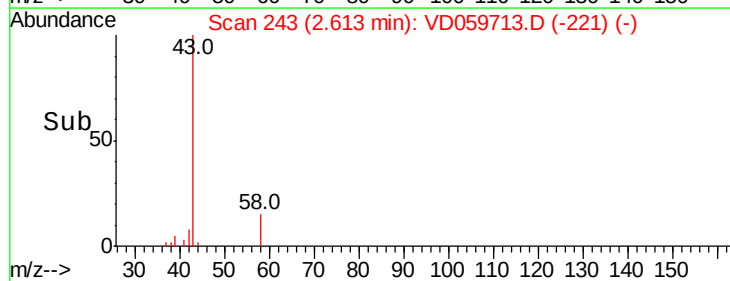
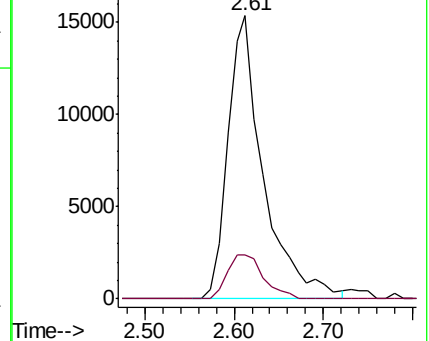
43 100

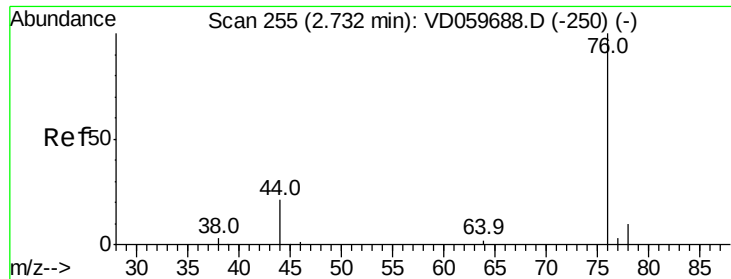
58 15.4 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 9.460 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

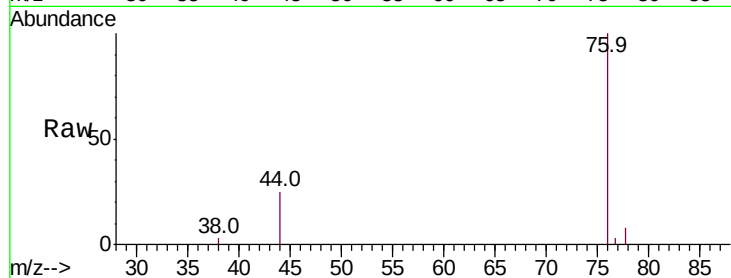
TP-6RE

Tot Ion: 76 Resp: 28781

Ion Ratio Lower Upper

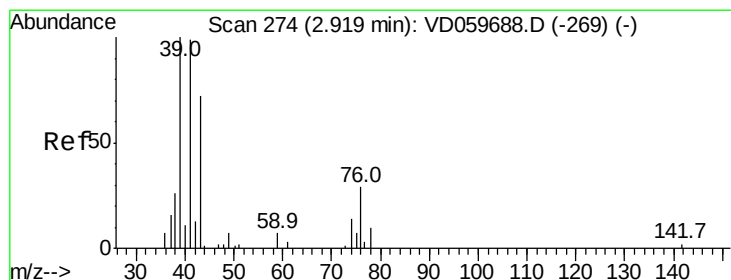
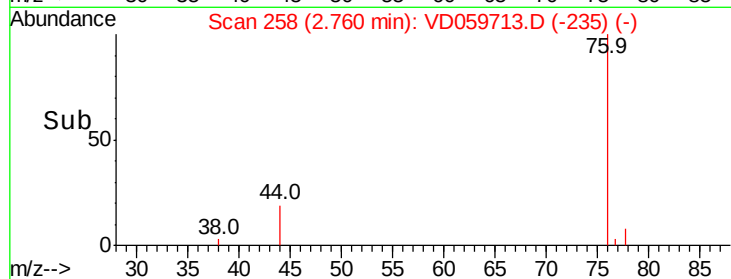
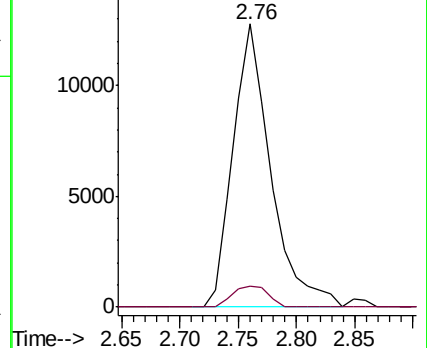
76 100

78 7.6 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 3.741 ug/l

RT: 3.07 min Scan# 290

Delta R.T. 0.16 min

Lab File: VD059713.D

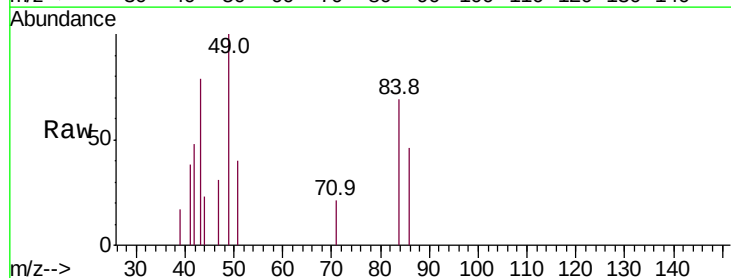
Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 2864

Ion Ratio Lower Upper

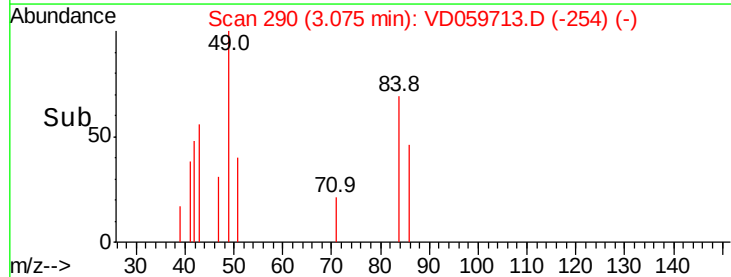
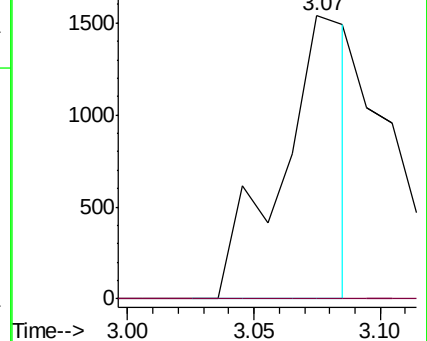
43 100

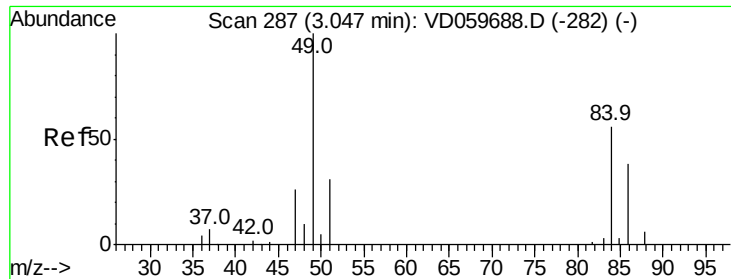
74 0.0 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



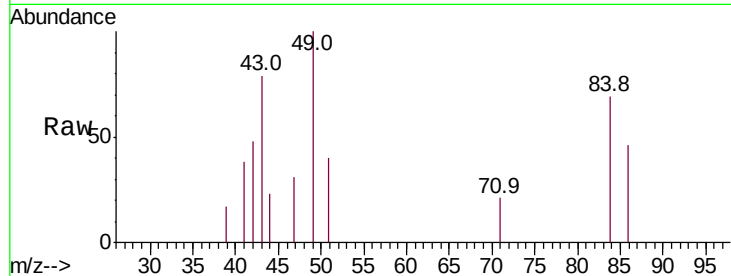


#20
Methvlene Chloride
Concen: Below Cal
RT: 3.07 min Scan# 290
Delta R.T. 0.03 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

Tot Ion: 84 Resp: 3002

Ion	Ratio	Lower	Upper
84	100		
49	145.9	143.4	215.2
51	57.8	44.2	66.4
86	66.9	55.0	82.6



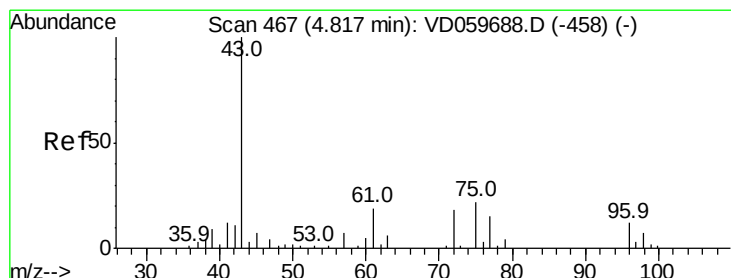
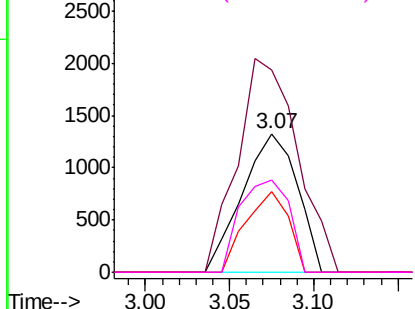
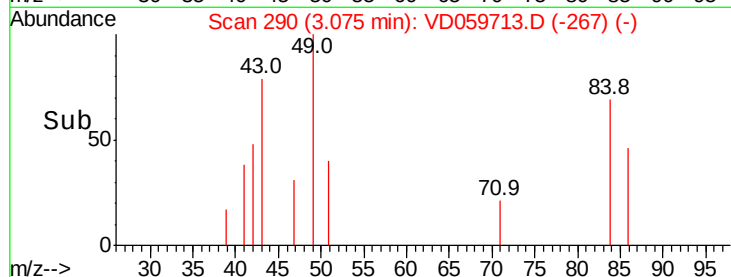
Abundance

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

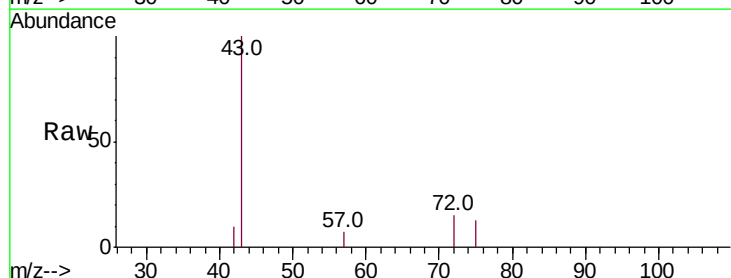
Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 31.209 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 16982

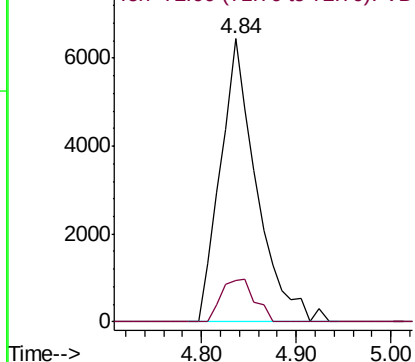
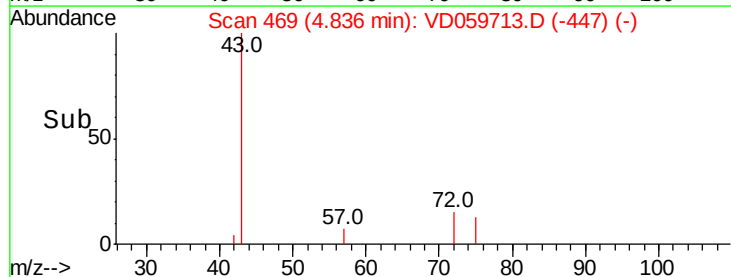
Ion	Ratio	Lower	Upper
43	100		
72	14.7	14.6	21.8

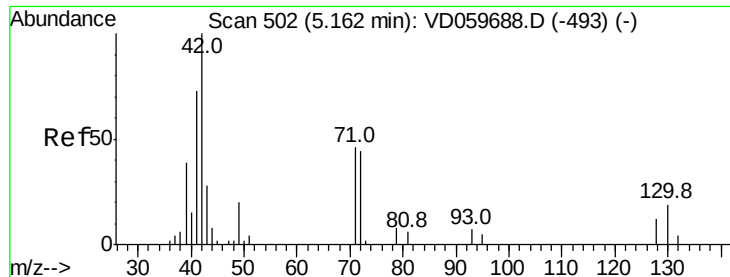


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 5.405 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.33 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6RE

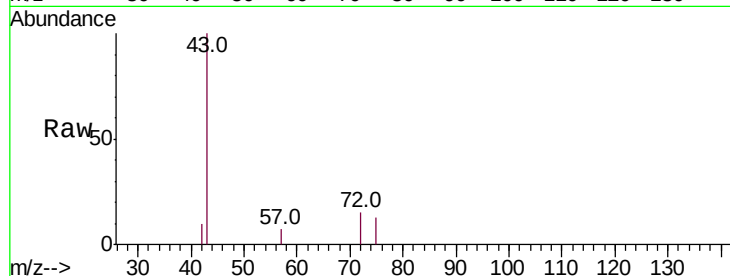
Tot Ion: 42 Resp: 1139

Ion Ratio Lower Upper

42 100

72 207.7 36.7 55.1#

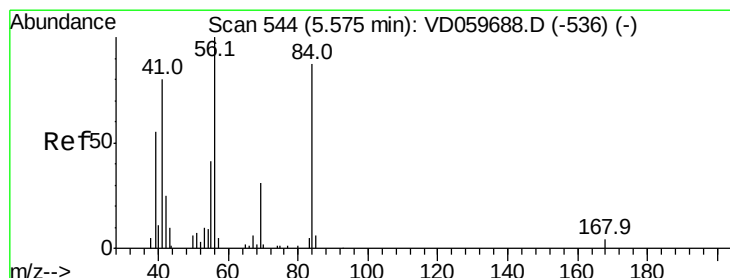
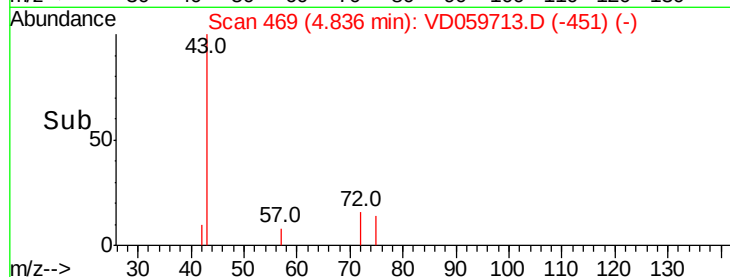
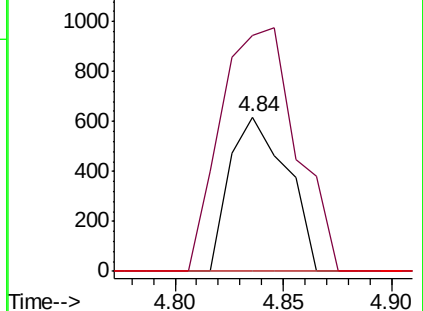
71 0.0 36.3 54.5#



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



#31

Cyclohexane

Concen: 1.496 ug/l

RT: 5.59 min Scan# 546

Delta R.T. 0.02 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

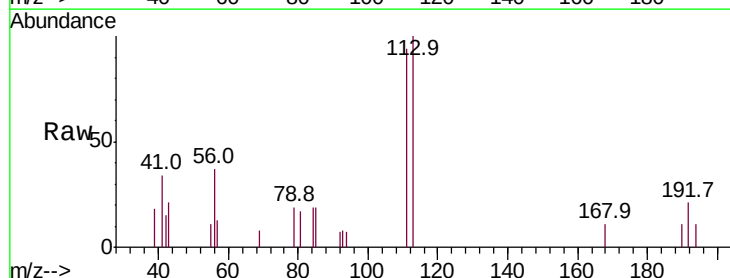
Tgt Ion: 56 Resp: 8920

Ion Ratio Lower Upper

56 100

69 21.7 24.7 37.1#

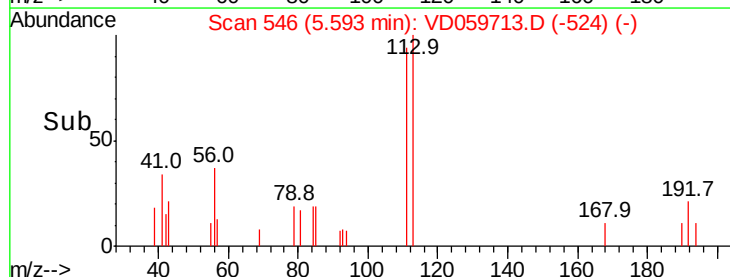
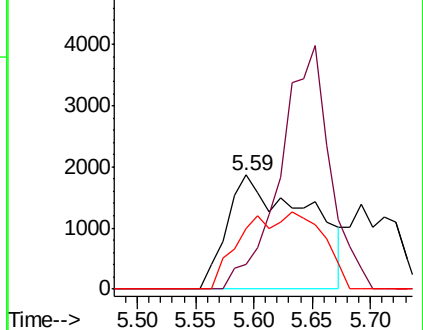
84 52.6 72.2 108.2#

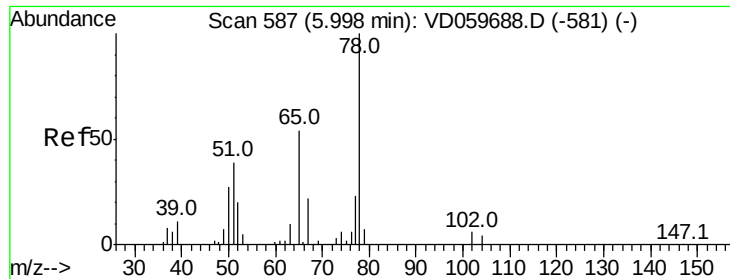


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

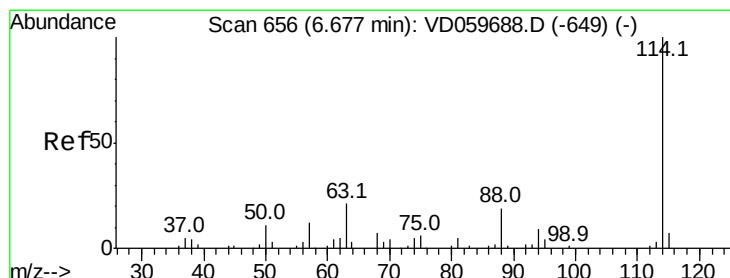
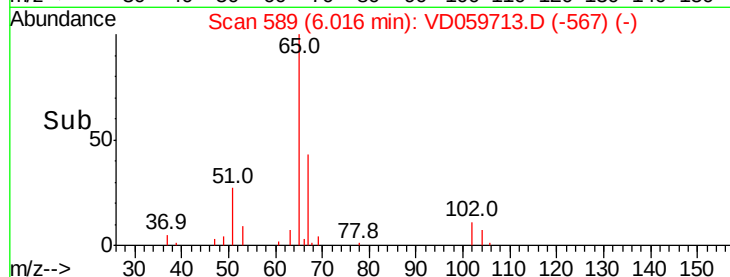
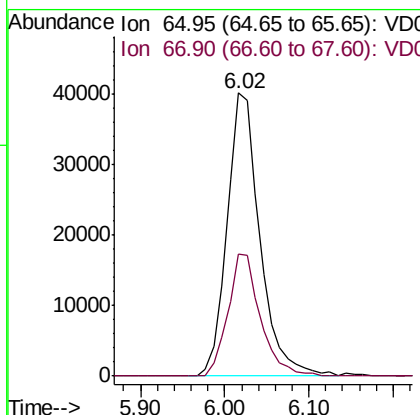
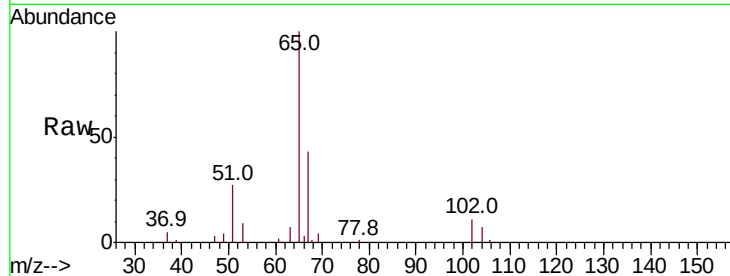




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

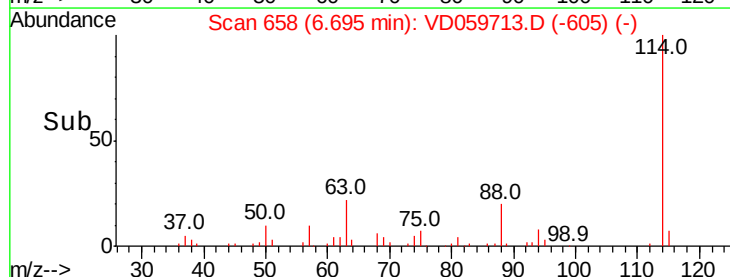
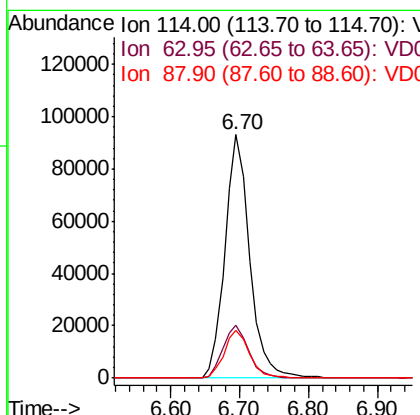
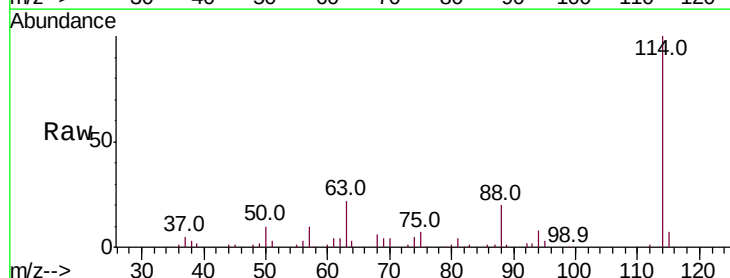
Instrument :
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 TP-6RE

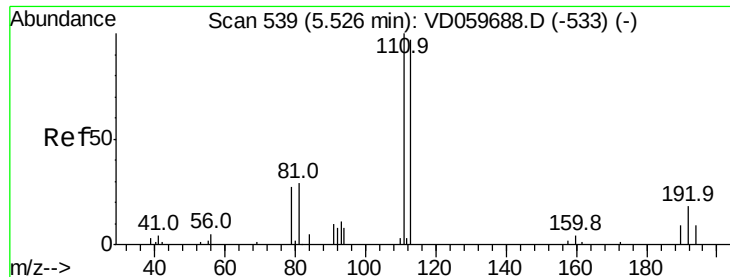
Tot Ion: 65 Resp: 108430
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

Tgt Ion: 114 Resp: 231143
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.6
 88 19.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 542

Delta R.T. 0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6RE

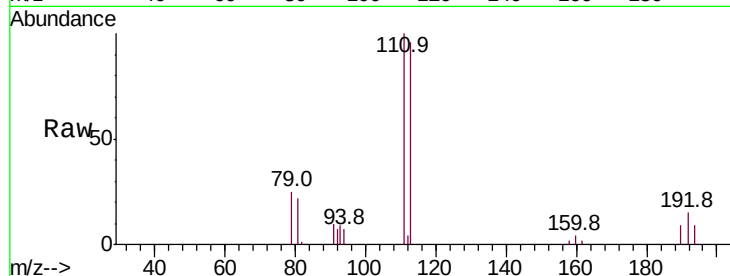
Tot Ion:113 Resp: 92780

Ion Ratio Lower Upper

113 100

111 104.3 82.8 124.2

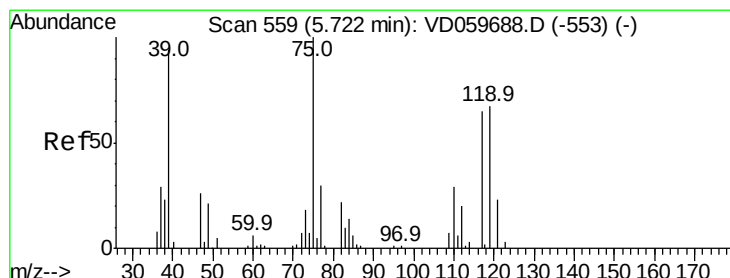
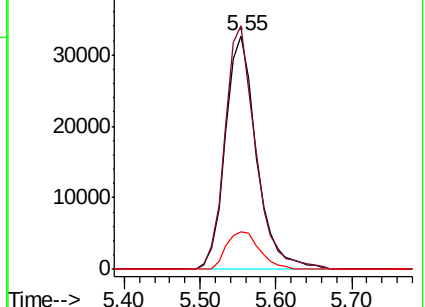
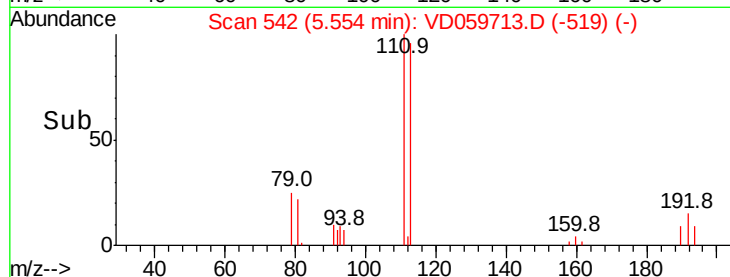
192 16.1 14.6 22.0



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: 5.838 ug/l

RT: 5.64 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

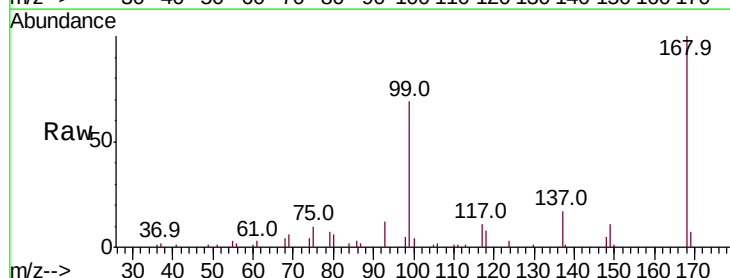
Tgt Ion: 75 Resp: 15001

Ion Ratio Lower Upper

75 100

110 8.0 14.1 42.3#

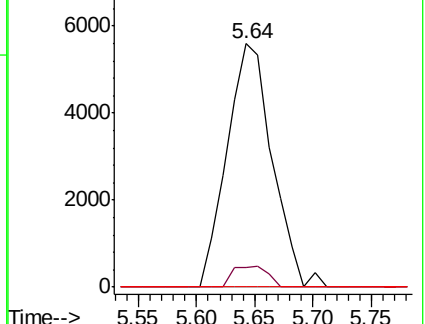
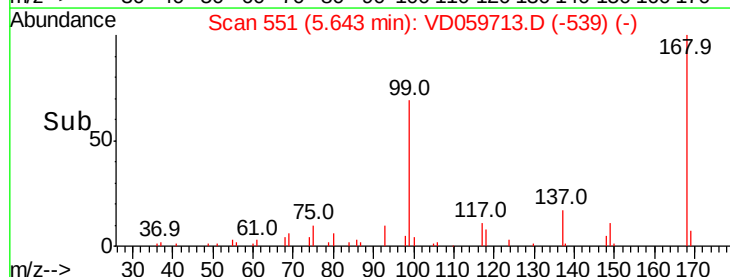
77 0.0 23.9 35.9#

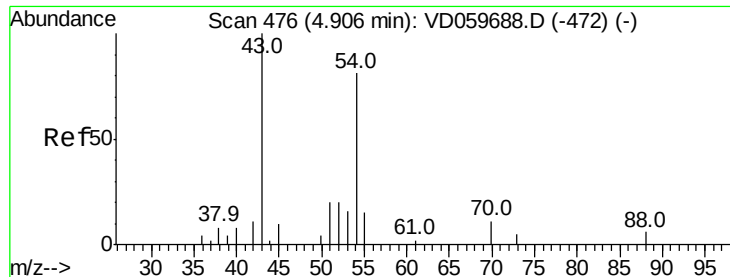


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

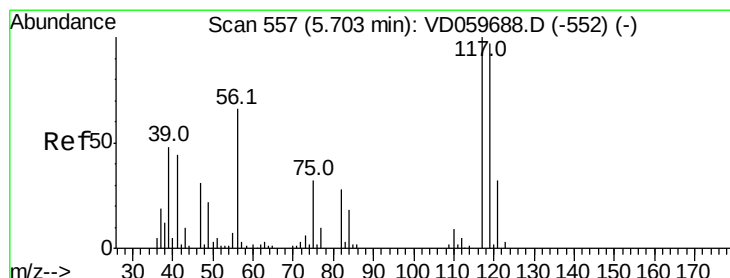
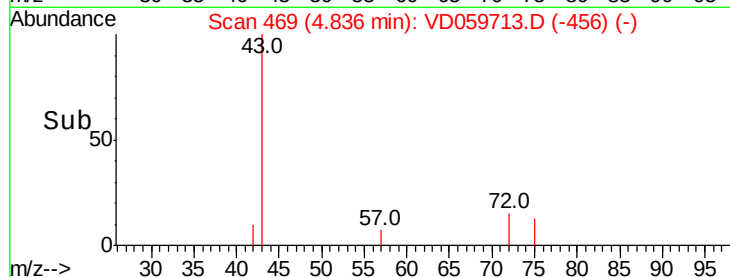
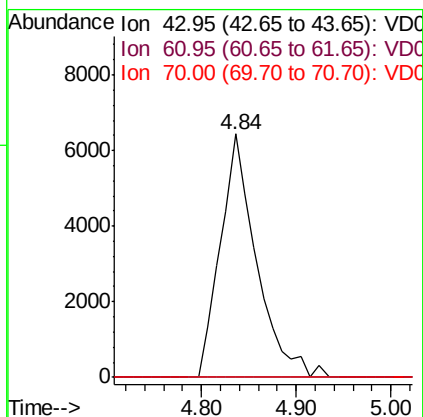
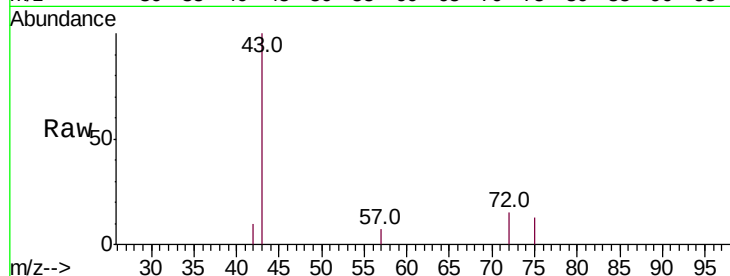




#37
Ethyl Acetate
Concen: 13.611 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.07 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

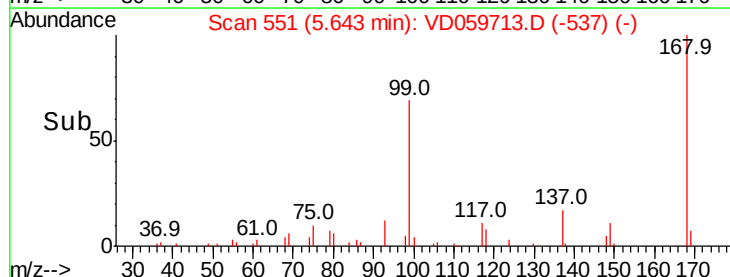
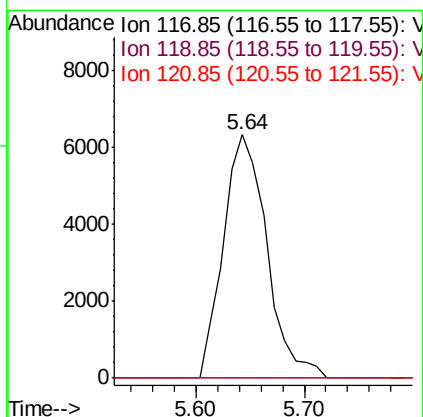
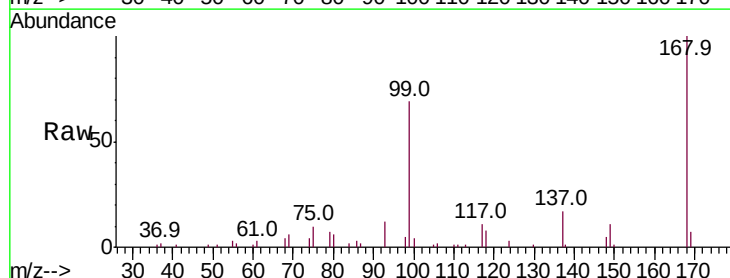
Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

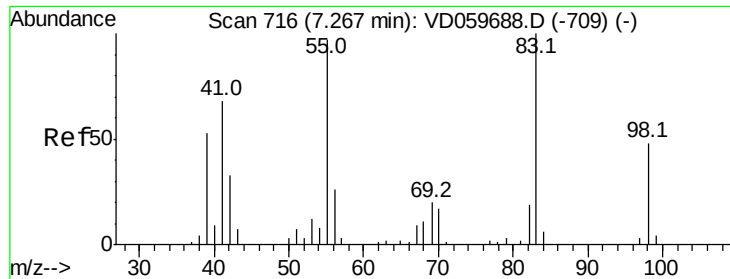
Tot Ion: 43 Resp: 16982
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 5.4 8.2#



#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 5.64 min Scan# 551
Delta R.T. -0.06 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 117 Resp: 17682
Ion Ratio Lower Upper
117 100
119 0.0 75.3 112.9#
121 0.0 24.4 36.6#

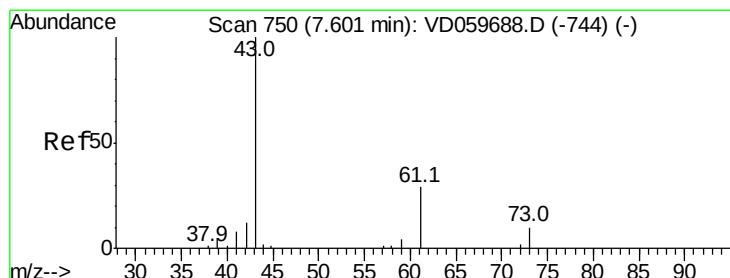
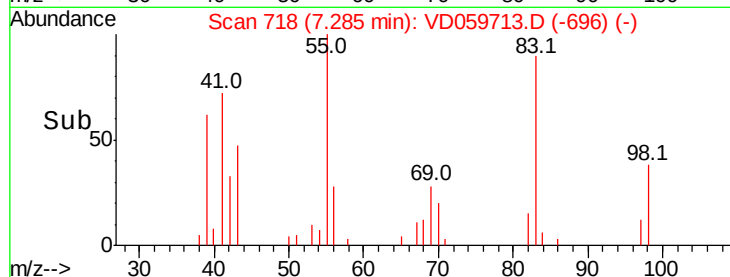
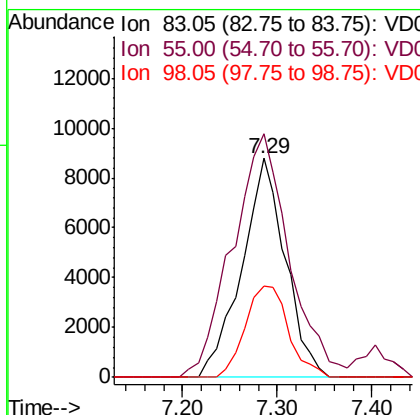
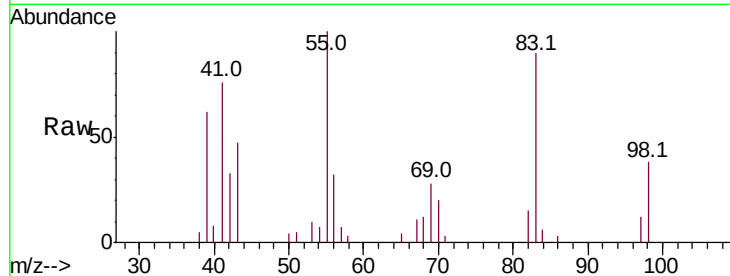




#39
Methylcyclohexane
Concen: 12.911 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

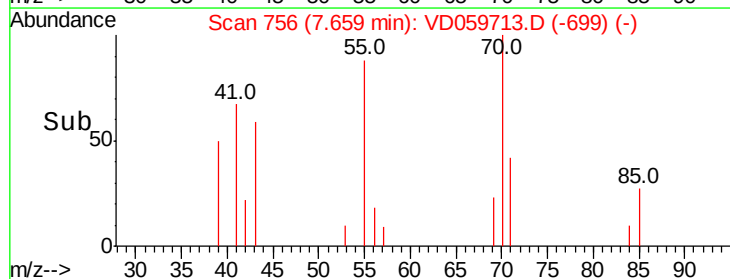
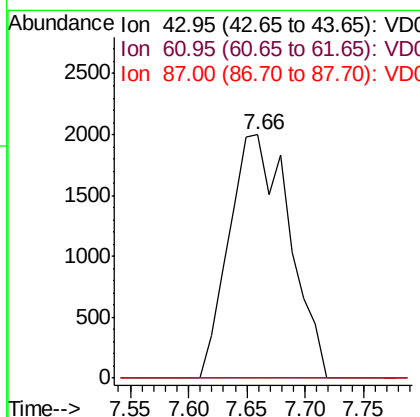
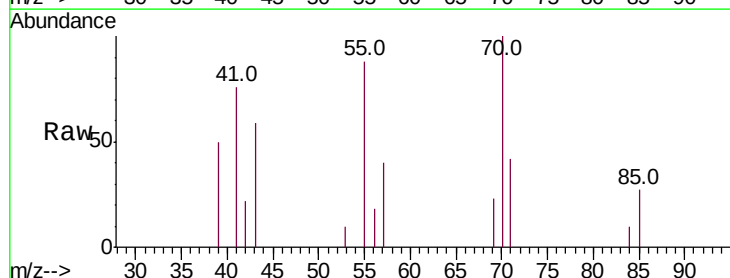
Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

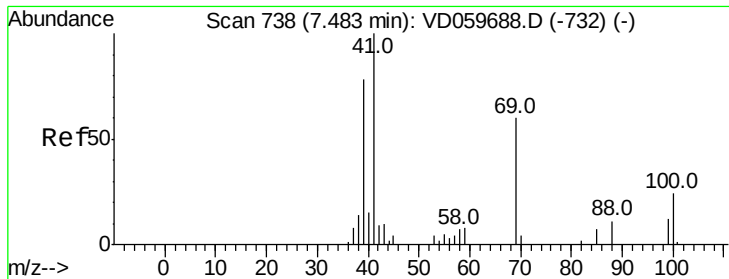
Tot Ion: 83 Resp: 28040
Ion Ratio Lower Upper
83 100
55 111.3 77.7 116.5
98 41.9 38.7 58.1



#43
Isopropyl Acetate
Concen: 4.387 ug/l
RT: 7.66 min Scan# 756
Delta R.T. 0.06 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 43 Resp: 7155
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 0.0 0.0





#48

Methyl methacrylate

Concen: 3.606 ug/l

RT: 7.55 min Scan# 745

Delta R.T. 0.07 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampleID :
TP-6RE

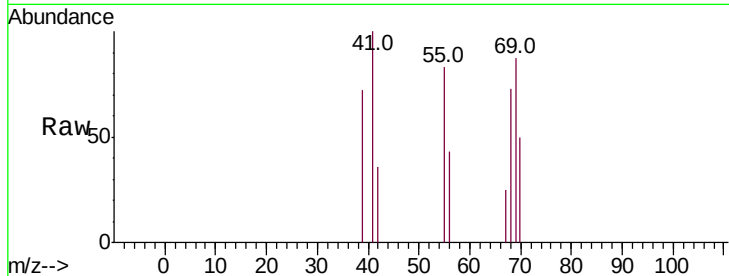
Tot Ion: 41 Resp: 3881

Ion Ratio Lower Upper

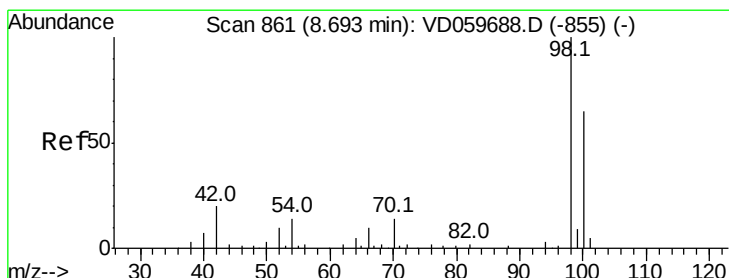
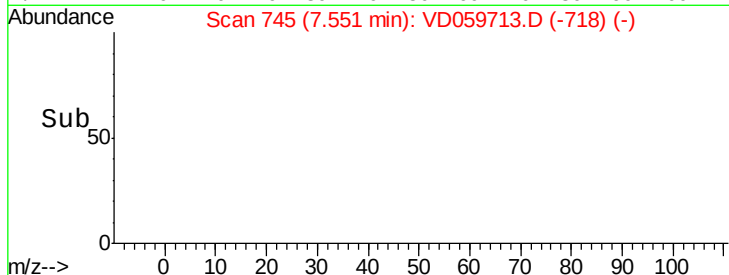
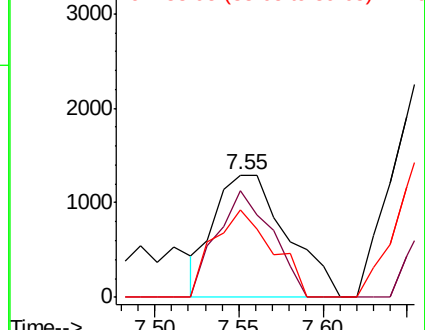
41 100

69 87.5 47.3 70.9#

39 72.1 62.9 94.3



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD059713.D

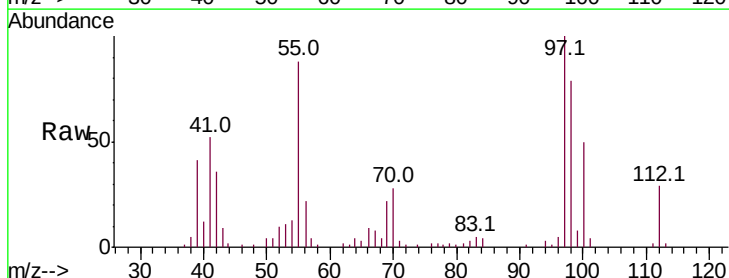
Acq: 8 Aug 2018 15:14

Tgt Ion: 98 Resp: 157626

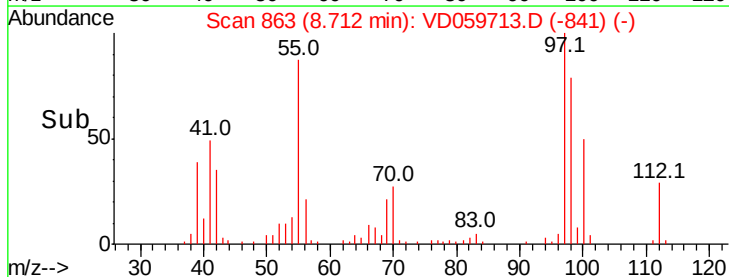
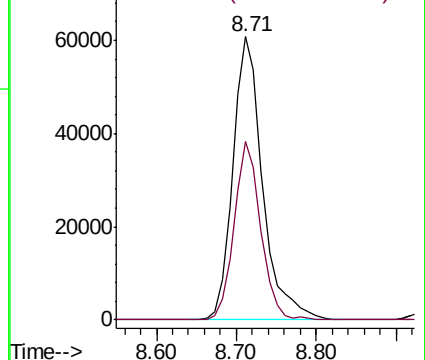
Ion Ratio Lower Upper

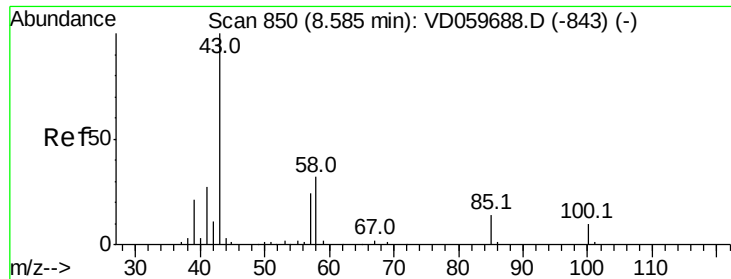
98 100

100 63.1 52.5 78.7



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: 2.626 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleID :

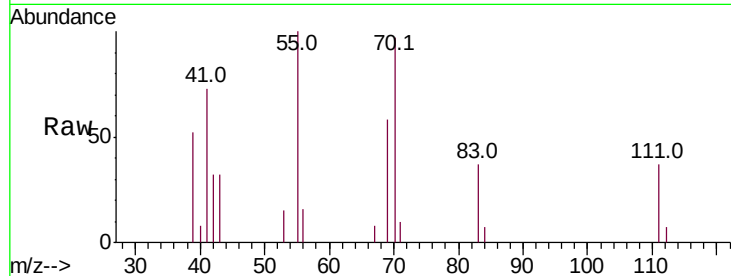
TP-6RE

Tot Ion: 43 Resp: 3123

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8000

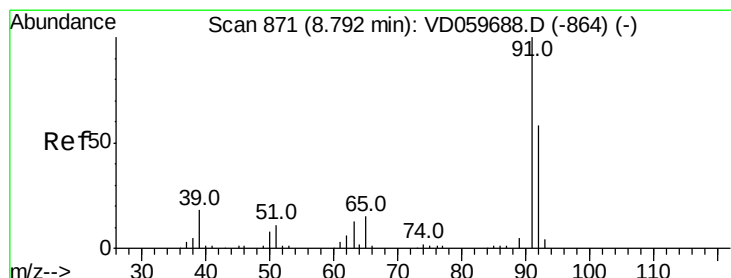
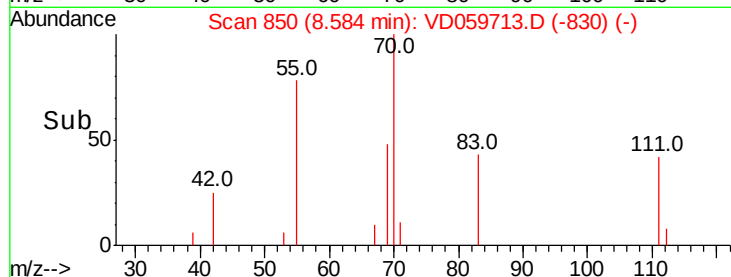
6000

4000

2000

0

Time--> 8.50 8.55 8.60 8.65



#52

Toluene

Concen: 2.041 ug/l

RT: 8.81 min Scan# 873

Delta R.T. 0.02 min

Lab File: VD059713.D

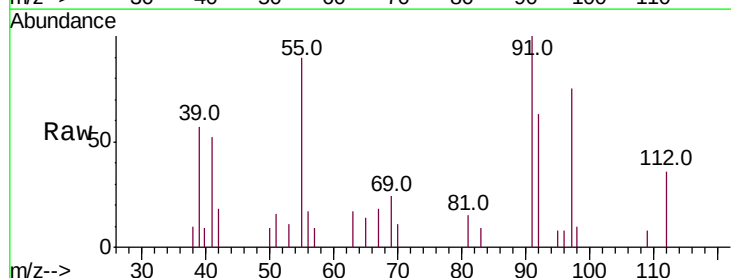
Acq: 8 Aug 2018 15:14

Tgt Ion: 92 Resp: 6487

Ion Ratio Lower Upper

92 100

91 159.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

5000

4000

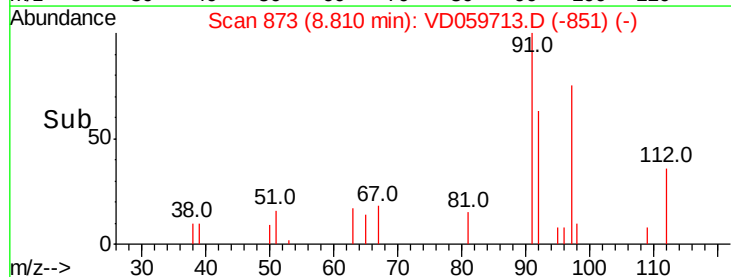
3000

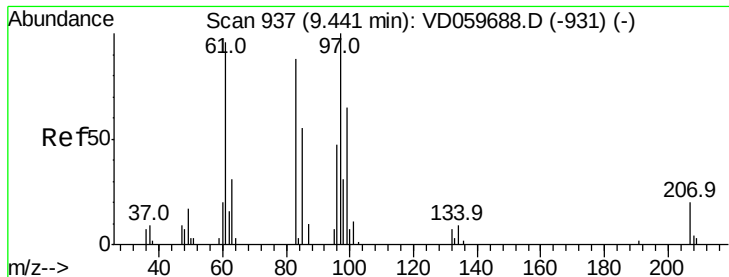
2000

1000

0

Time--> 8.75 8.80 8.85





#55

1,1,2-Trichloroethane

Concen: 5.882 ug/l

RT: 9.52 min Scan# 945

Delta R.T. 0.08 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6RE

Tot Ion: 97 Resp: 7182

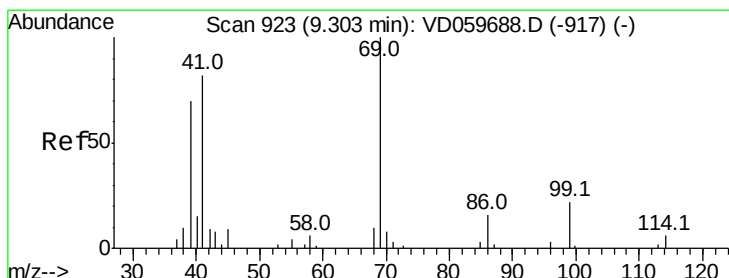
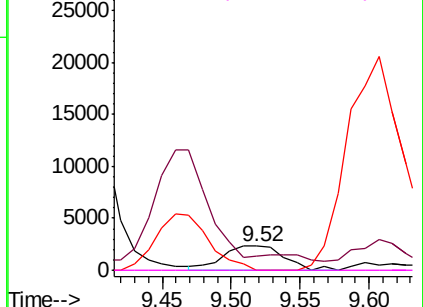
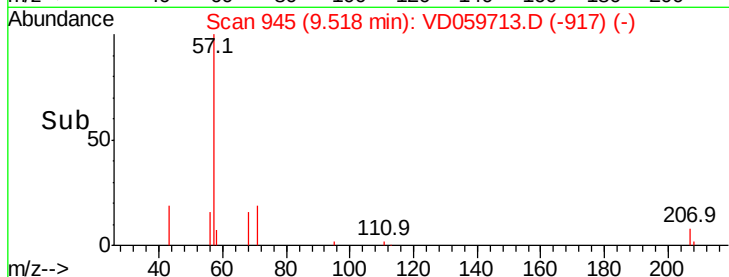
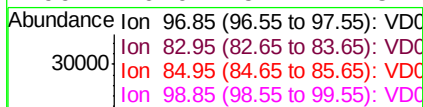
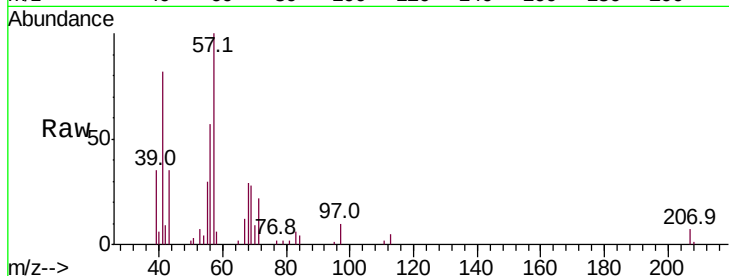
Ion Ratio Lower Upper

97 100

83 59.8 70.8 106.2#

85 0.0 44.1 66.1#

99 0.0 52.2 78.4#



#56

Ethyl methacrylate

Concen: 25.541 ug/l

RT: 9.38 min Scan# 931

Delta R.T. 0.08 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

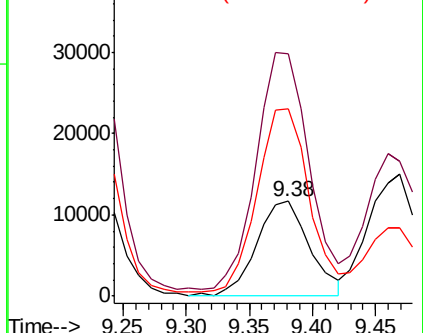
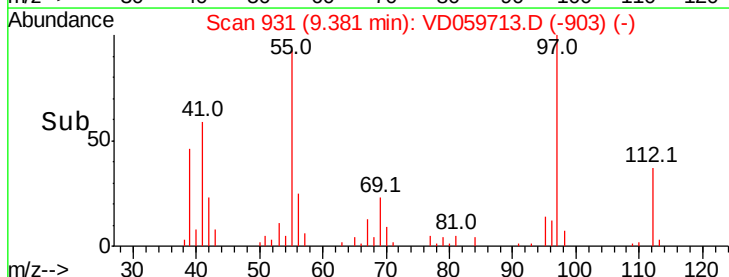
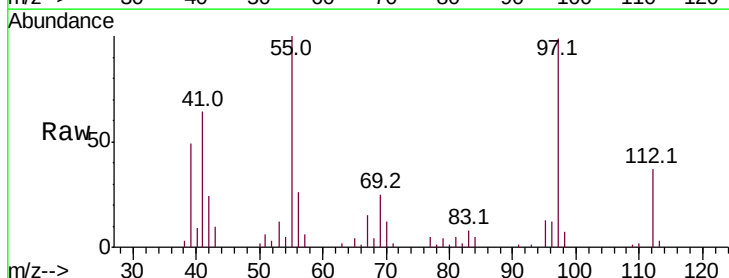
Tgt Ion: 69 Resp: 34410

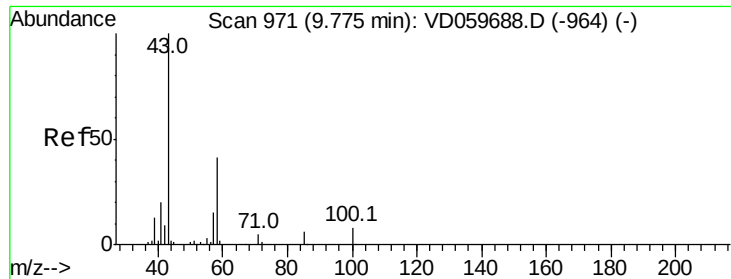
Ion Ratio Lower Upper

69 100

41 255.6 65.7 98.5#

39 197.5 55.8 83.8#

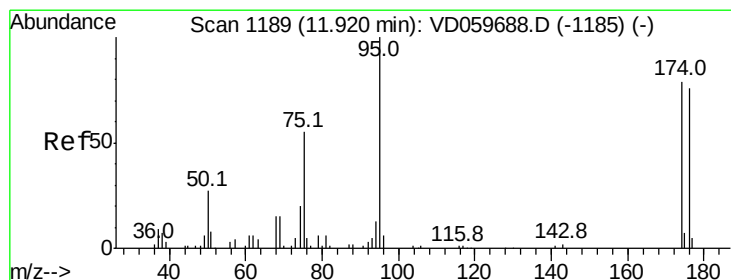
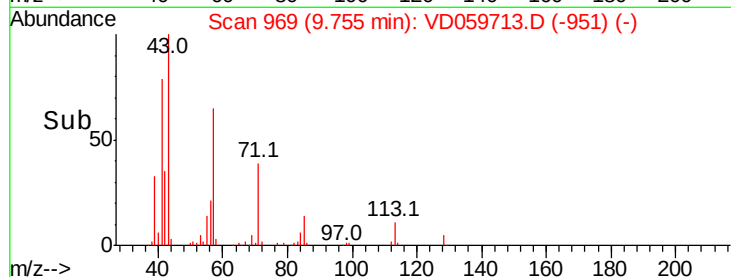
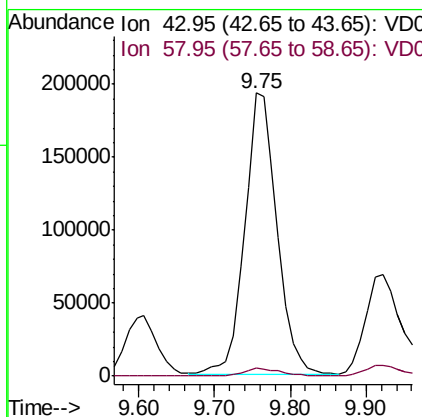
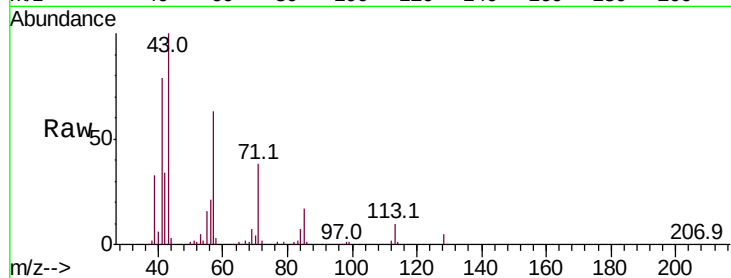




#59
2-Hexanone
Concen: 631.920 ug/l
RT: 9.75 min Scan# 969
Delta R.T. -0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

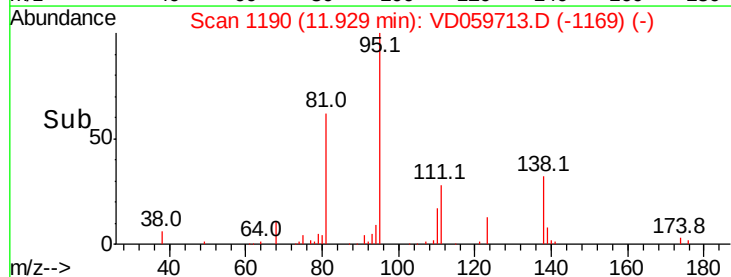
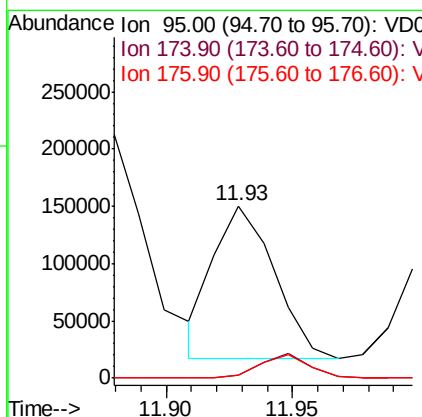
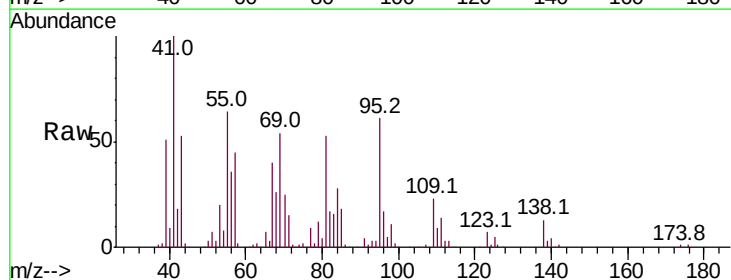
Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

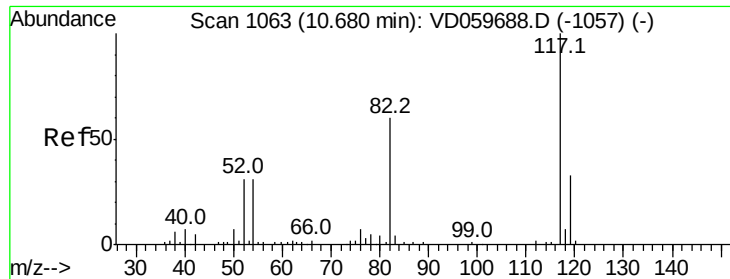
Tot Ion: 43 Resp: 564363
Ion Ratio Lower Upper
43 100
58 2.7 20.4 61.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.93 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 95 Resp: 221955
Ion Ratio Lower Upper
95 100
174 1.6 0.0 158.4
176 1.5 0.0 153.0

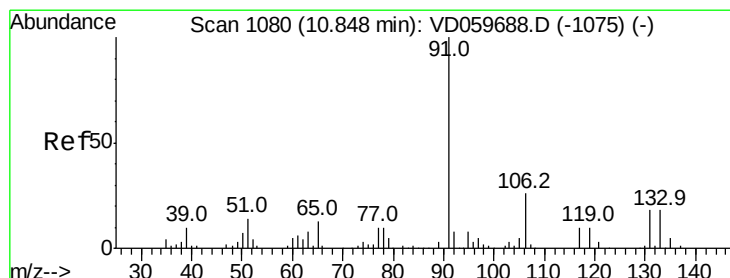
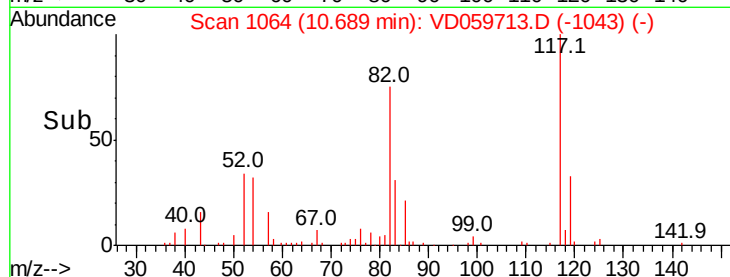
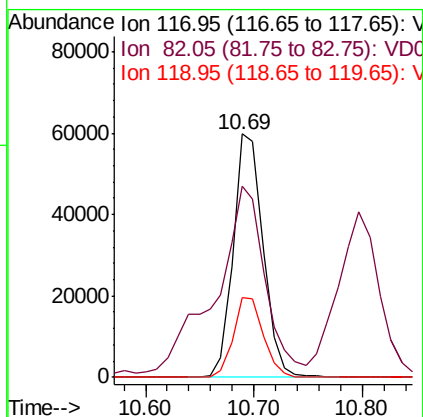
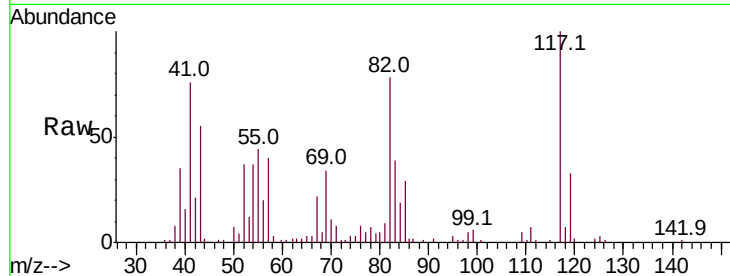




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

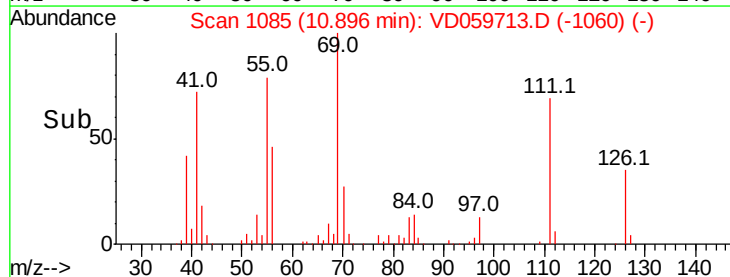
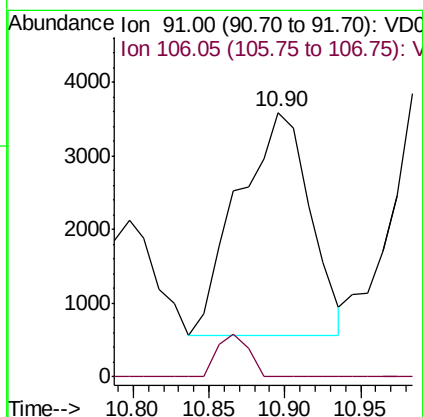
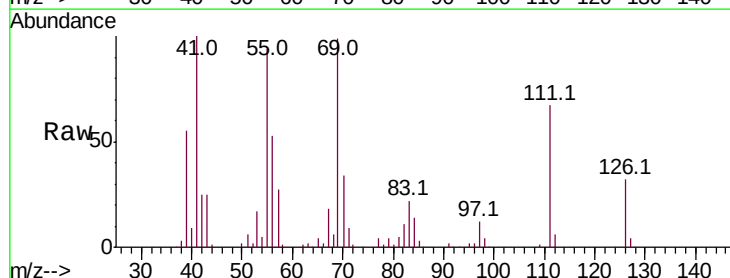
Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

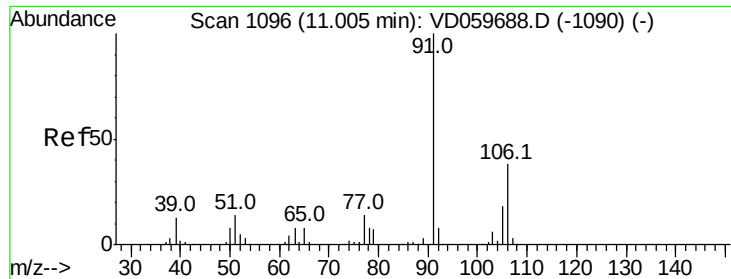
Tot Ion:117 Resp: 114839
Ion Ratio Lower Upper
117 100
82 78.4 47.7 71.5#
119 32.7 26.6 40.0



#67
Ethyl Benzene
Concen: 2.288 ug/l
RT: 10.90 min Scan# 1085
Delta R.T. 0.05 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 91 Resp: 9973
Ion Ratio Lower Upper
91 100
106 0.0 20.9 31.3#

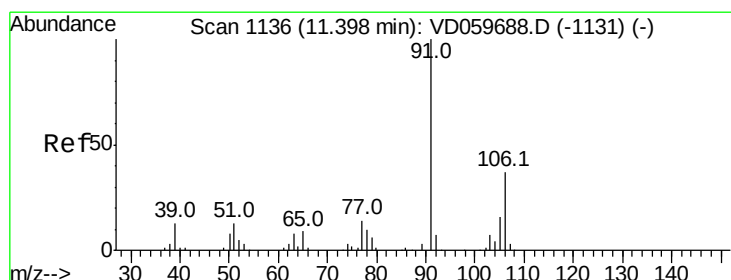
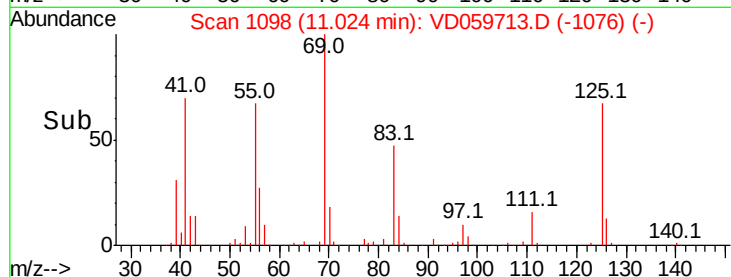
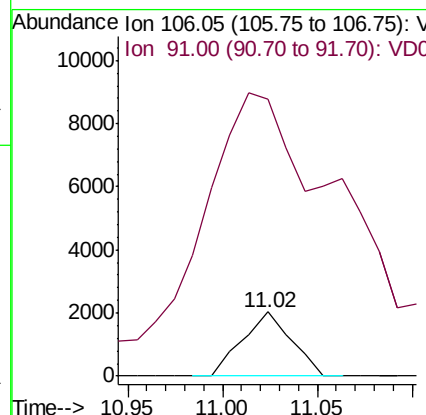
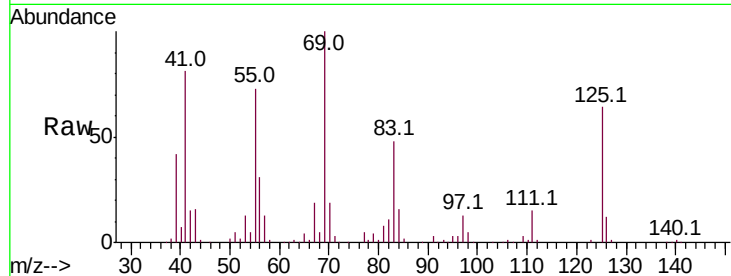




#68
m/p-Xylenes
Concen: 2.606 ug/l
RT: 11.02 min Scan# 1098
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

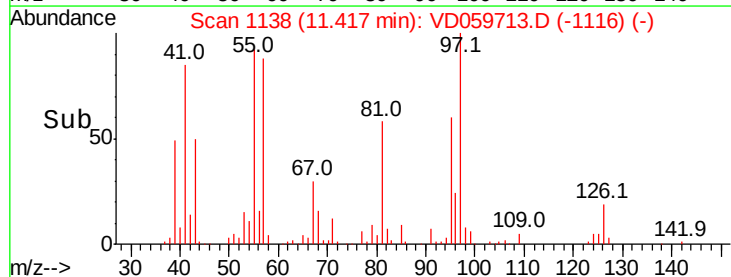
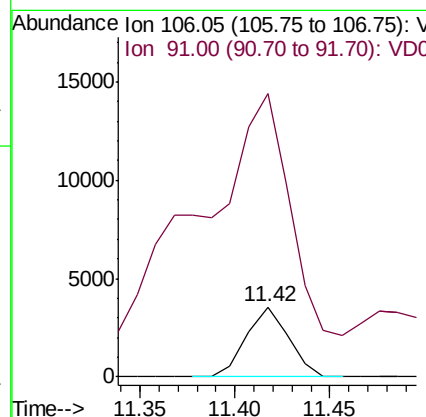
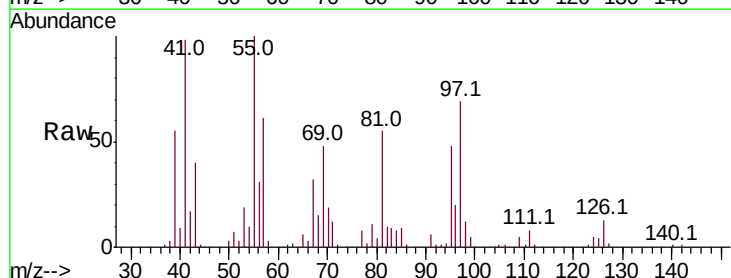
Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

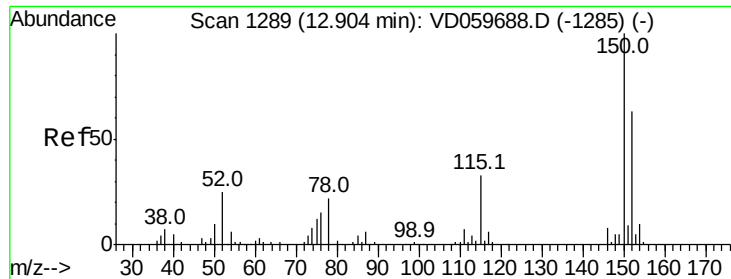
Tot Ion:106 Resp: 3633
Ion Ratio Lower Upper
106 100
91 429.8 209.7 314.5#



#69
o-Xylene
Concen: 4.047 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion:106 Resp: 5486
Ion Ratio Lower Upper
106 100
91 403.2 135.2 405.6



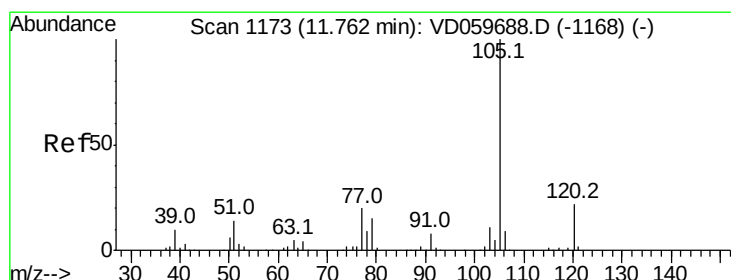
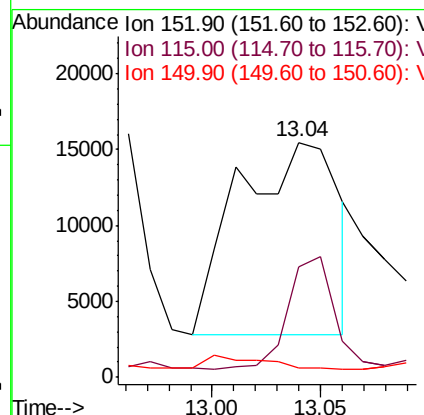
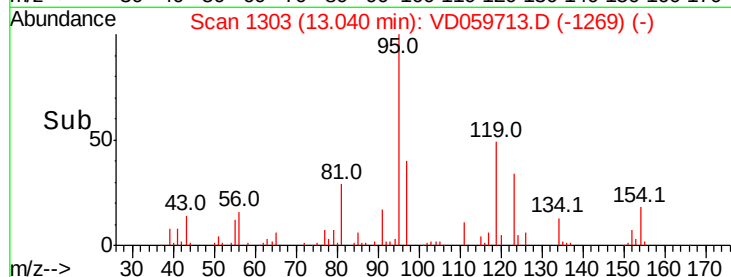
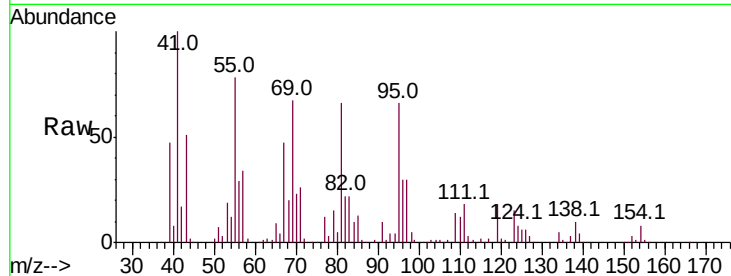


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.04 min Scan# 1303
Delta R.T. 0.14 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
TP-6RE

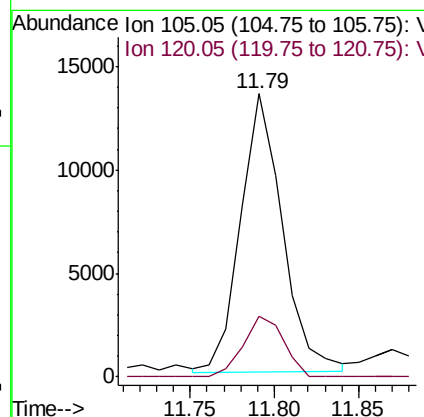
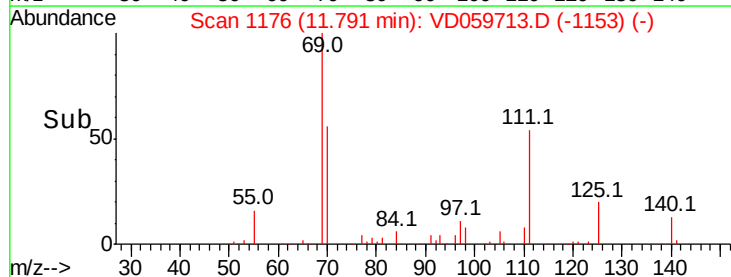
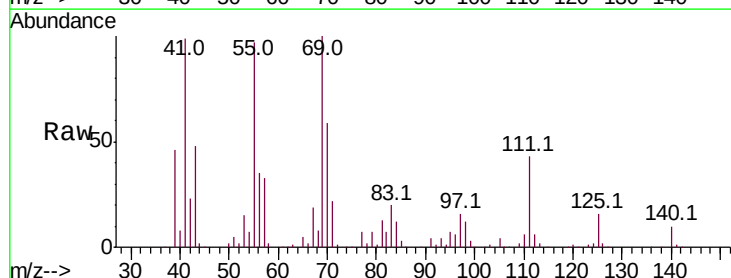
Tot Ion:152 Resp: 40569
Ion Ratio Lower Upper
152 100
115 47.2 28.8 86.4
150 4.1 0.0 318.0

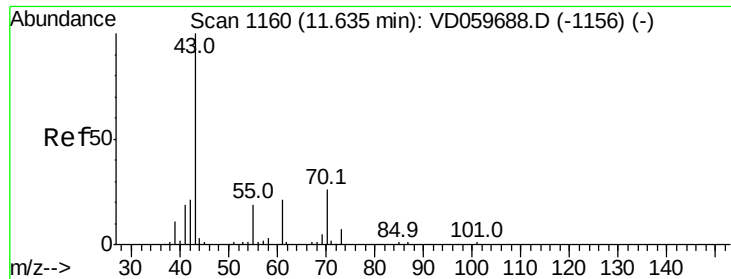


#73

Isopropylbenzene
Concen: 8.522 ug/l
RT: 11.79 min Scan# 1176
Delta R.T. 0.03 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion:105 Resp: 23235
Ion Ratio Lower Upper
105 100
120 21.5 10.8 32.3





#74

N-amvl acetate

Concen: 2592.673 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6RE

Tot Ion: 43 Resp: 2261458

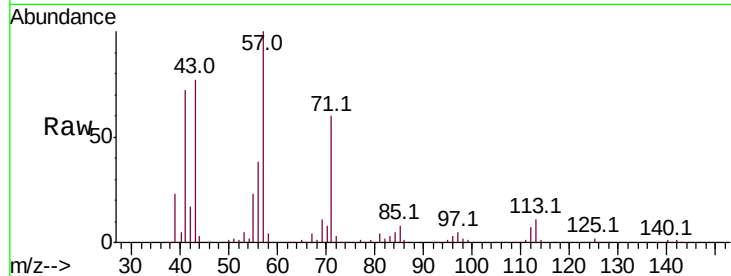
Ion Ratio Lower Upper

43 100

70 10.4 21.0 31.6#

55 29.9 15.4 23.2#

61 0.0 16.8 25.2#

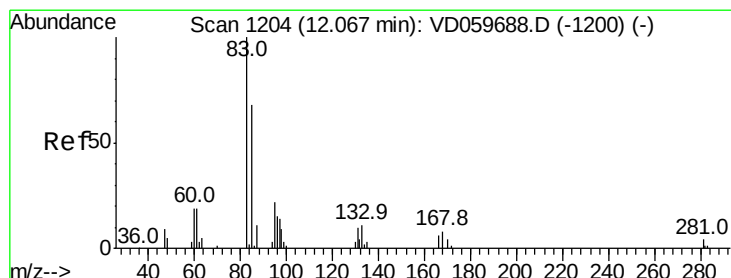
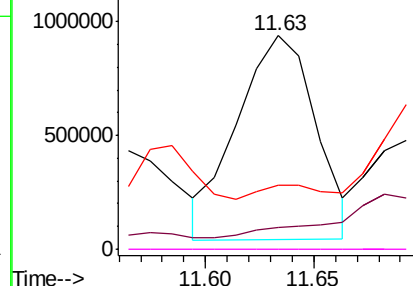
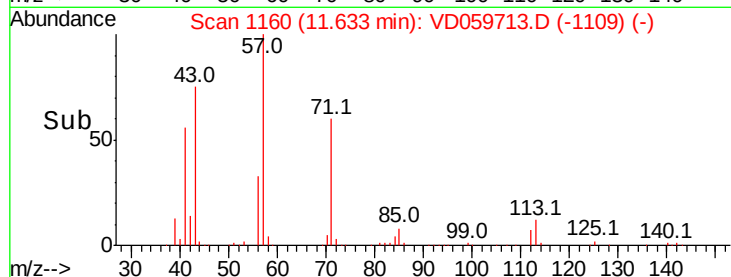


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 218.661 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. -0.05 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

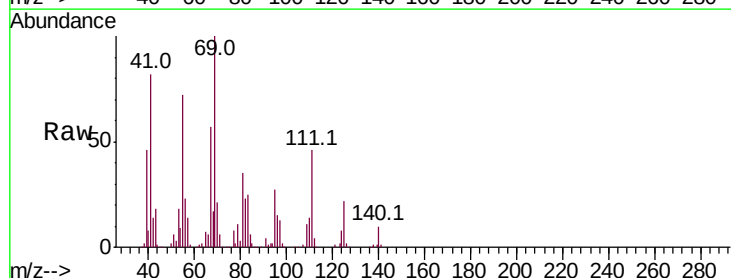
Tgt Ion: 83 Resp: 119629

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

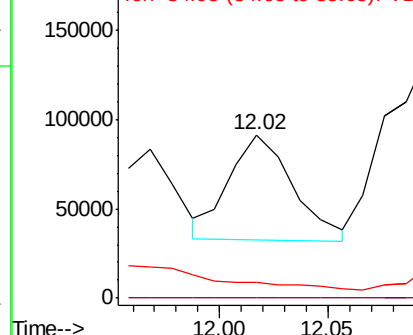
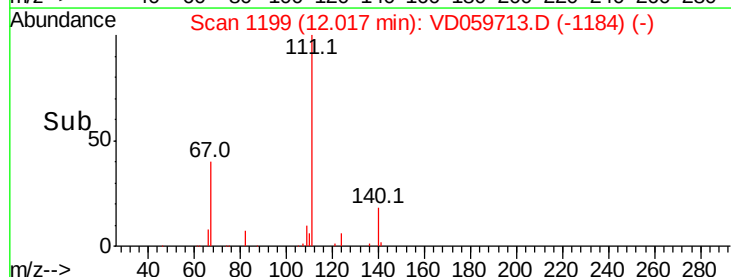
85 9.3 34.1 102.2#

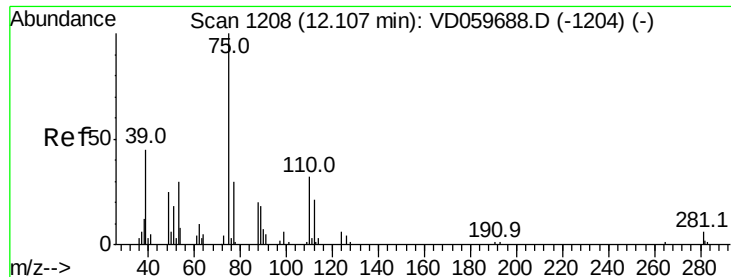


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 6.192 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampled :

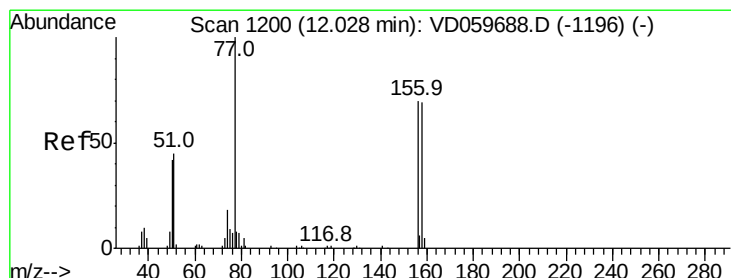
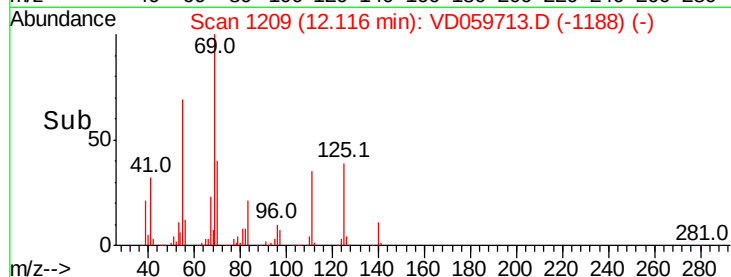
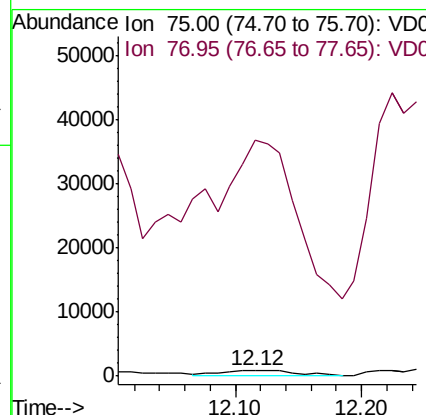
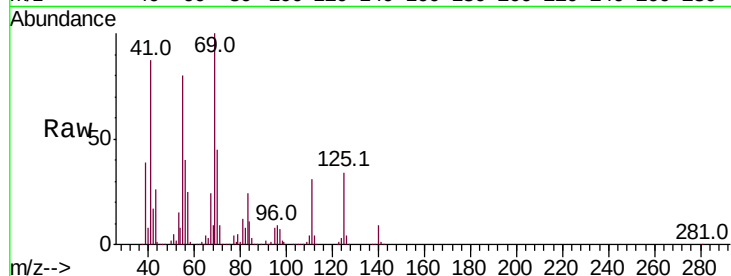
TP-6RE

Tot Ion: 75 Resp: 3883

Ion Ratio Lower Upper

75 100

77 4346.2 15.5 46.5#



#77

Bromobenzene

Concen: 1.766 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.12 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

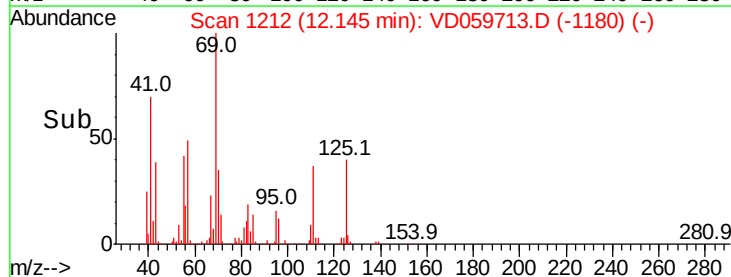
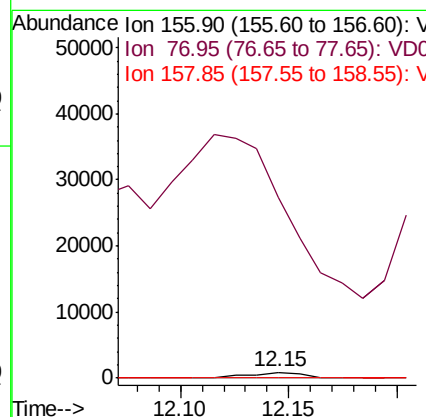
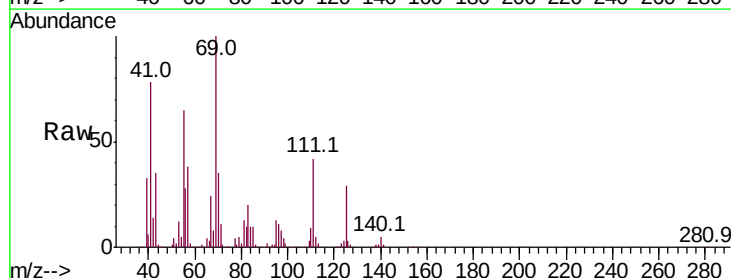
Tgt Ion: 156 Resp: 1403

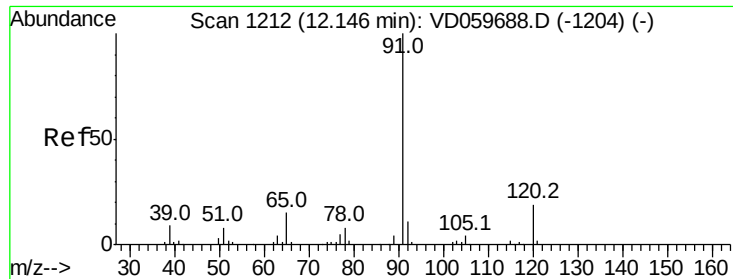
Ion Ratio Lower Upper

156 100

77 3038.6 71.2 213.6#

158 0.0 49.1 147.3#





#78

n-propylbenzene

Concen: 3.282 ug/l

RT: 12.16 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

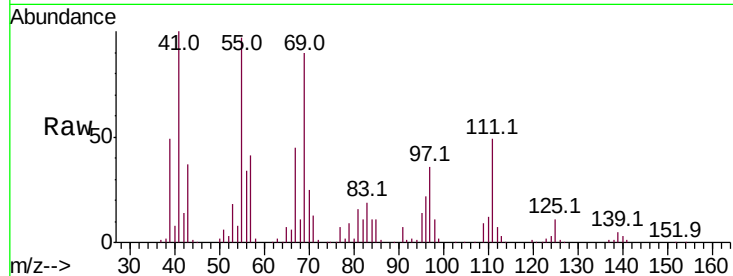
TP-6RE

Tot Ion: 91 Resp: 11090

Ion Ratio Lower Upper

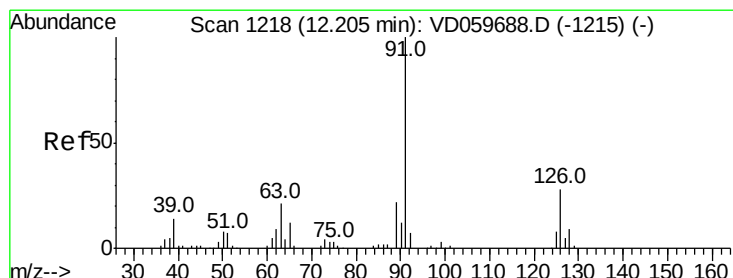
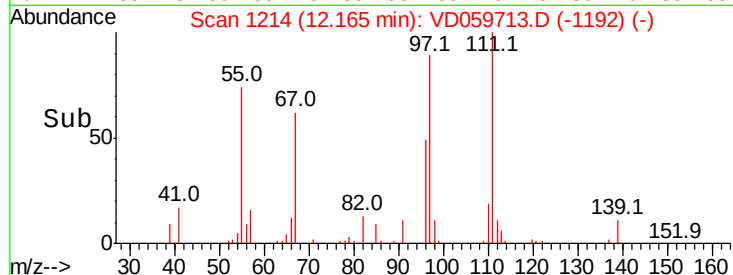
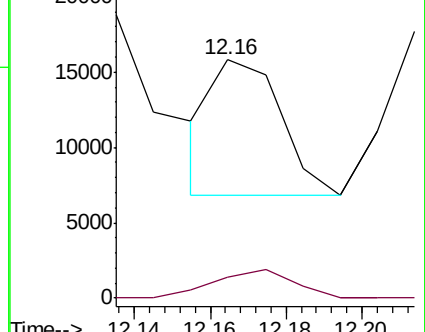
91 100

120 9.0 9.5 28.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 5.435 ug/l

RT: 12.16 min Scan# 1214

Delta R.T. -0.04 min

Lab File: VD059713.D

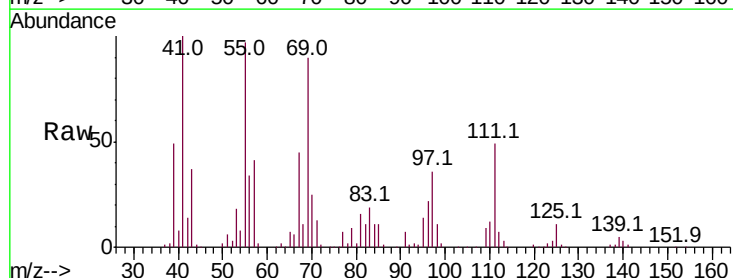
Acq: 8 Aug 2018 15:14

Tgt Ion: 91 Resp: 11090

Ion Ratio Lower Upper

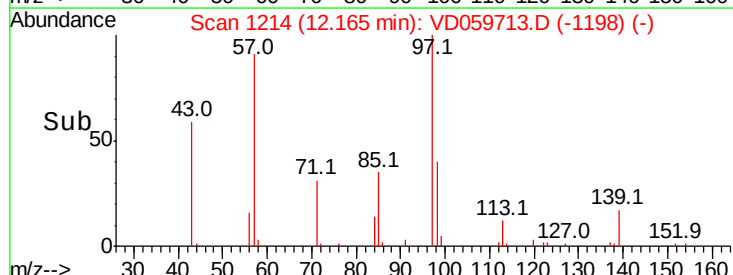
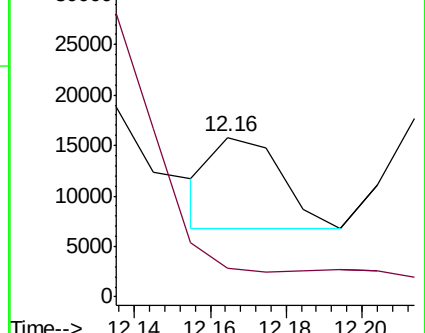
91 100

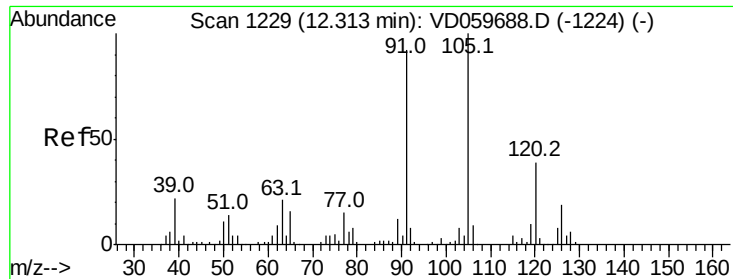
126 17.7 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#80

1,3,5-Trimethylbenzene

Concen: 6.421 ug/l

RT: 12.28 min Scan# 1226

Delta R.T. -0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

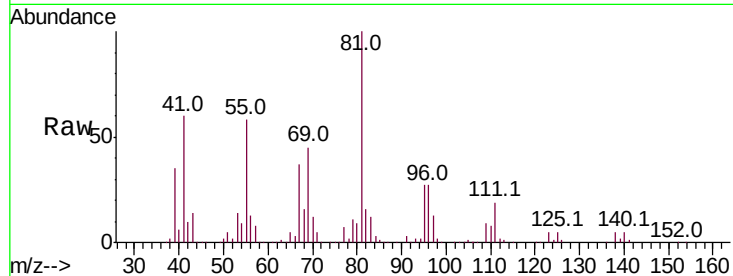
TP-6RE

Tot Ion:105 Resp: 14583

Ion Ratio Lower Upper

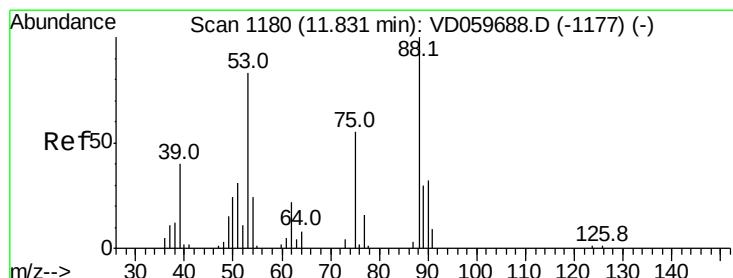
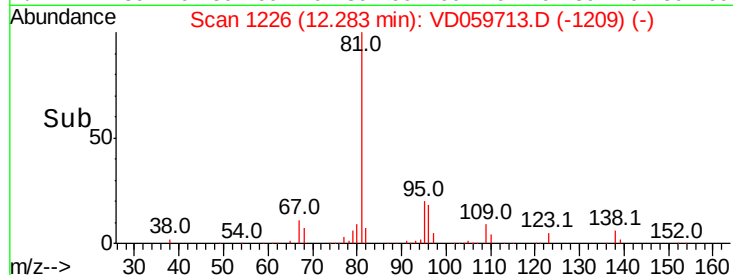
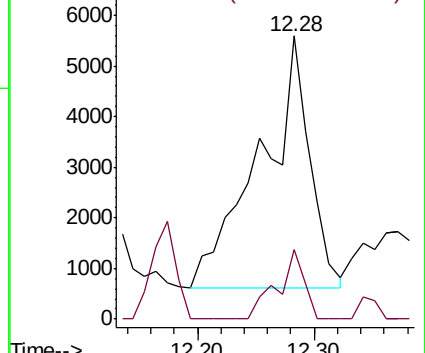
105 100

120 24.5 19.7 59.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 15.615 ug/l

RT: 11.79 min Scan# 1176

Delta R.T. -0.04 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

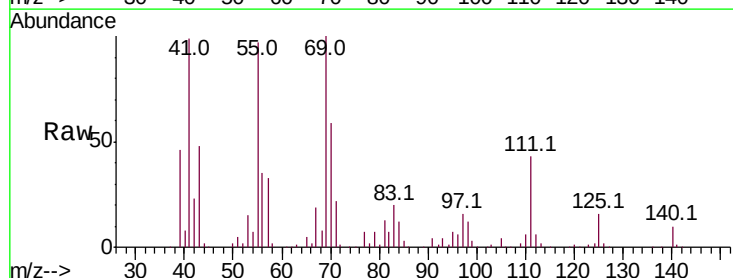
Tgt Ion: 75 Resp: 2390

Ion Ratio Lower Upper

75 100

53 7316.6 120.5 180.7#

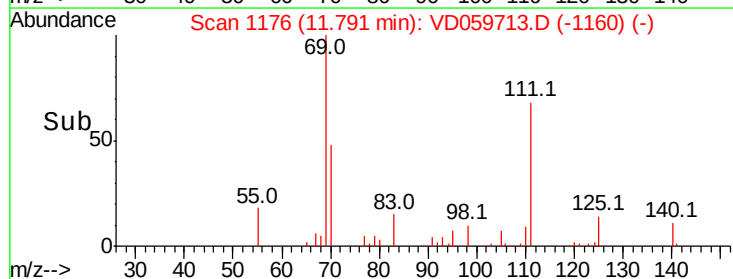
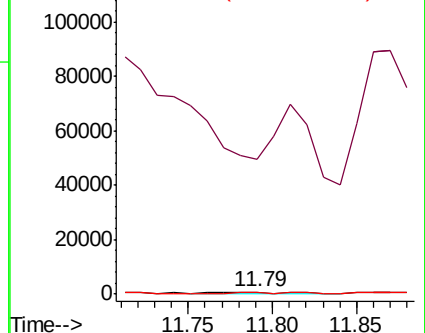
89 58.6 44.4 66.6

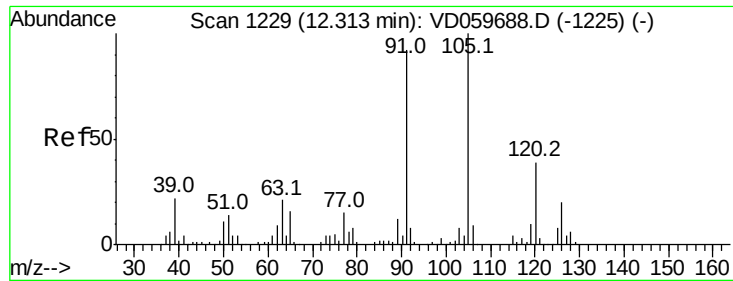


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

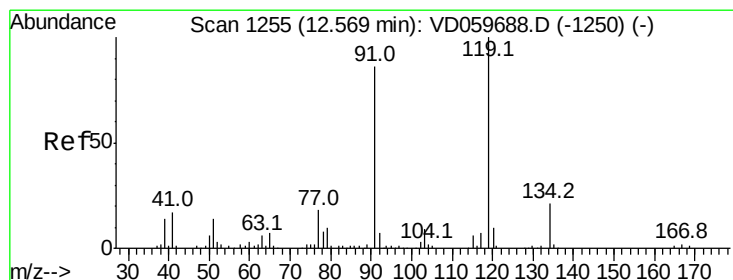
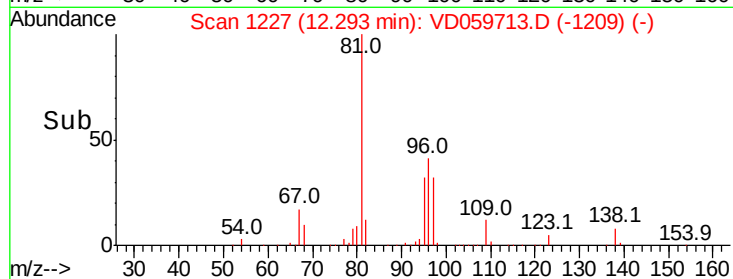
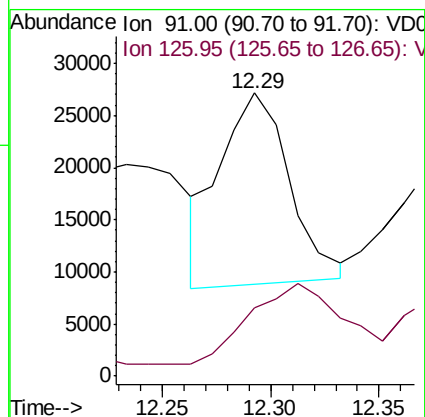
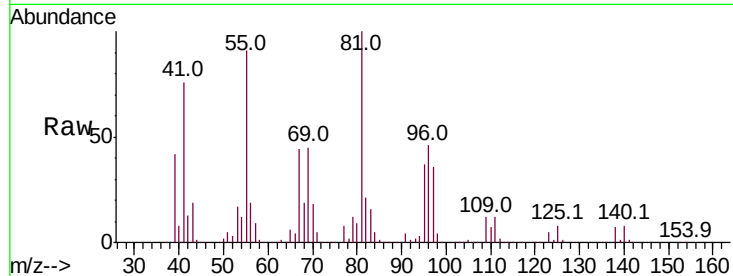




#82
4-Chlorotoluene
Concen: 17.015 ug/l
RT: 12.29 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

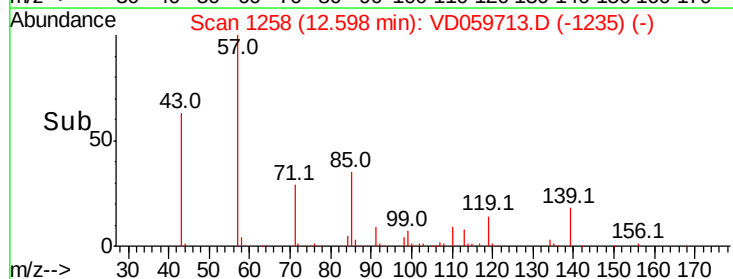
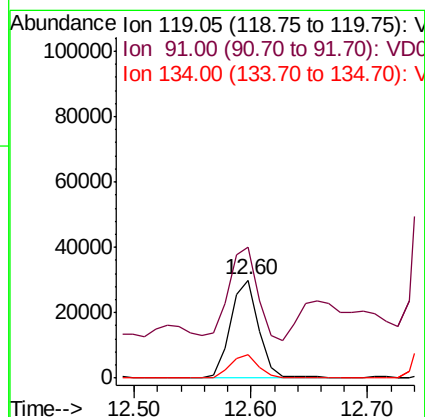
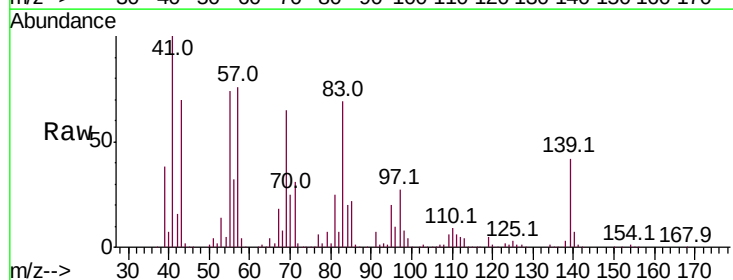
Instrument :
MSVOA_D
ClientSampled :
TP-6RE

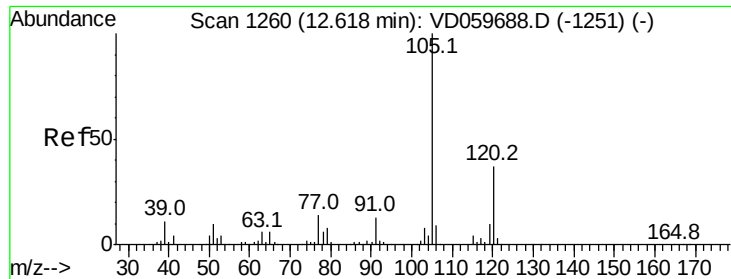
Tot Ion: 91 Resp: 40643
Ion Ratio Lower Upper
91 100
126 24.1 10.7 31.9



#83
tert-Butylbenzene
Concen: 19.719 ug/l
RT: 12.60 min Scan# 1258
Delta R.T. 0.03 min
Lab File: VD059713.D
Acq: 8 Aug 2018 15:14

Tgt Ion: 119 Resp: 50124
Ion Ratio Lower Upper
119 100
91 133.2 43.3 129.9#
134 24.5 10.5 31.6





#84

1,2,4-Trimethylbenzene

Concen: 2.502 ug/l

RT: 12.65 min Scan# 1263

Delta R.T. 0.03 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampled :

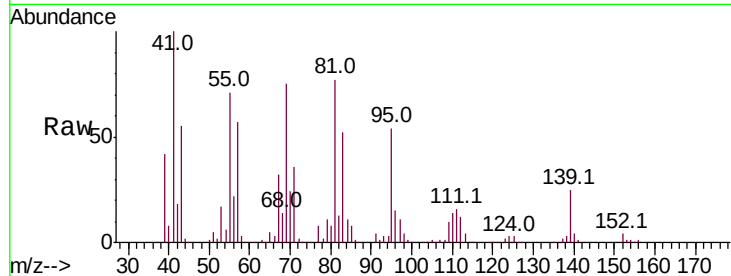
TP-6RE

Tot Ion:105 Resp: 6022

Ion Ratio Lower Upper

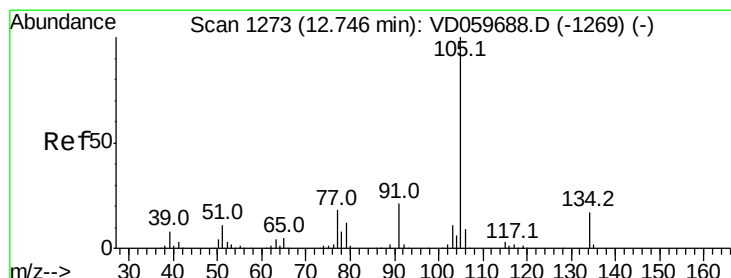
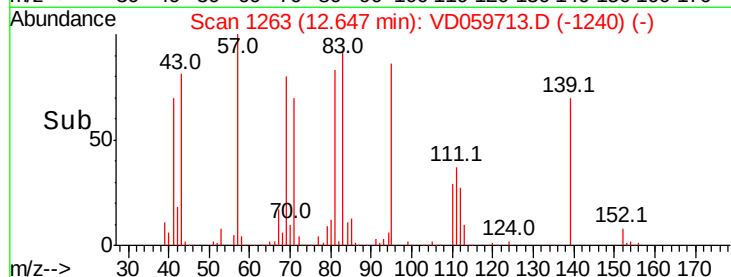
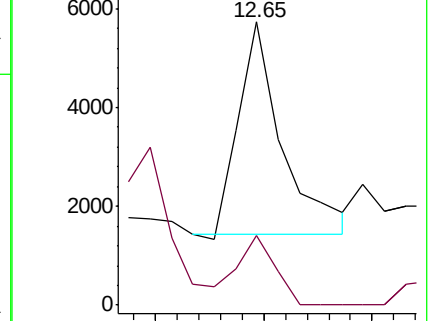
105 100

120 24.4 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 57.097 ug/l

RT: 12.77 min Scan# 1276

Delta R.T. 0.03 min

Lab File: VD059713.D

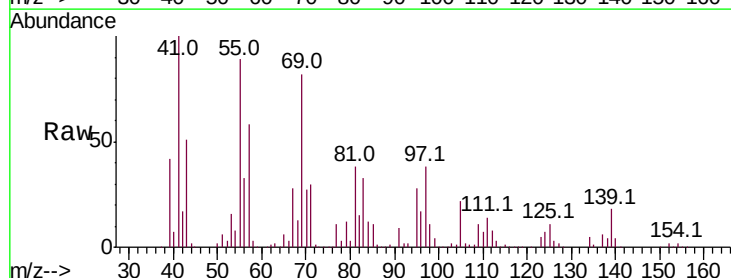
Acq: 8 Aug 2018 15:14

Tgt Ion:105 Resp: 161180

Ion Ratio Lower Upper

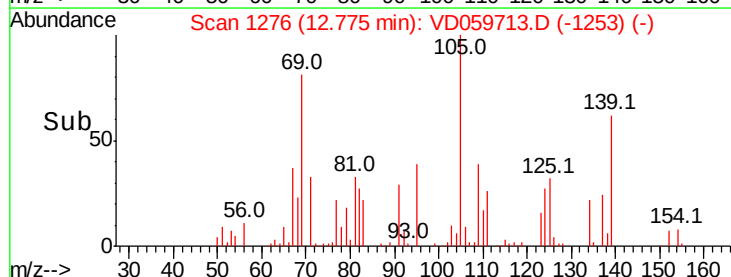
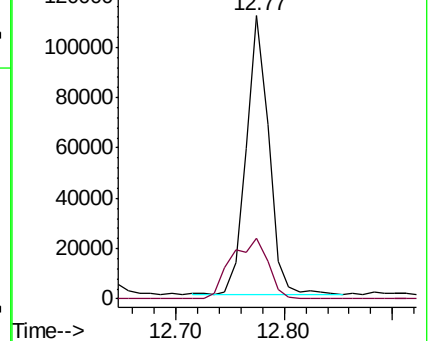
105 100

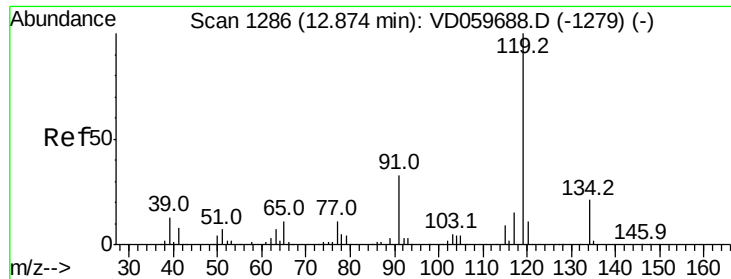
134 21.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

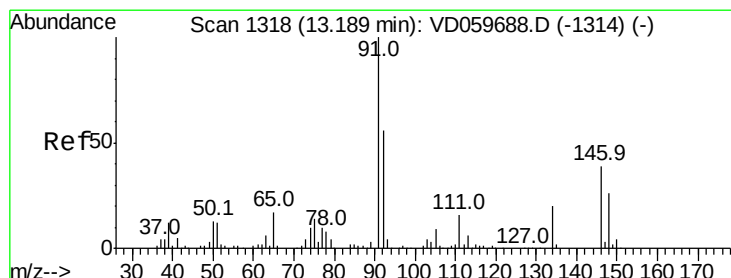
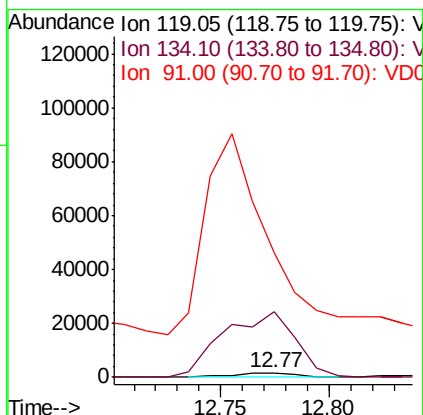
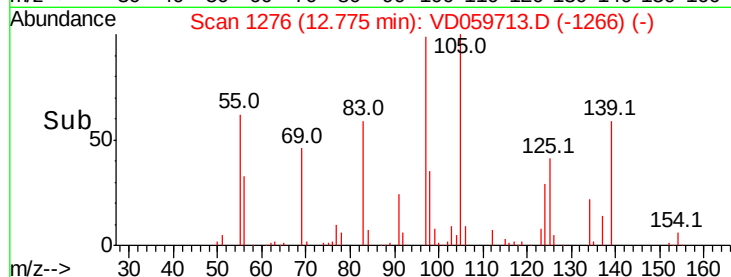
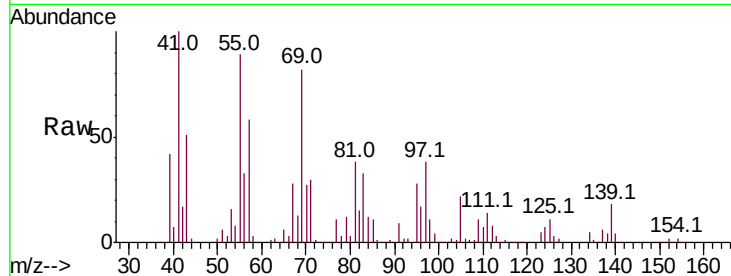




#86
 p-Isopropyltoluene
 Concen: 1.445 ug/l
 RT: 12.77 min Scan# 1276
 Delta R.T. -0.10 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

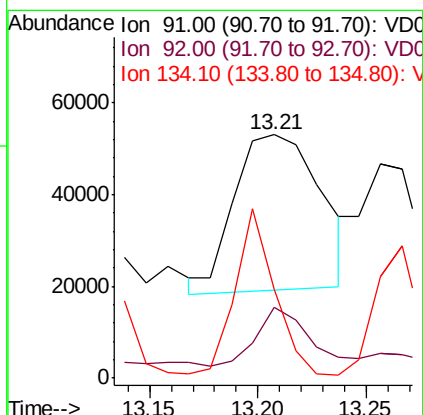
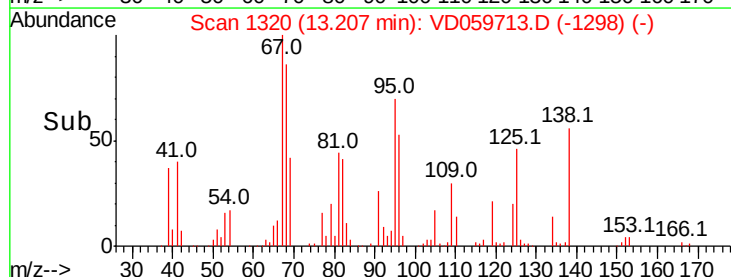
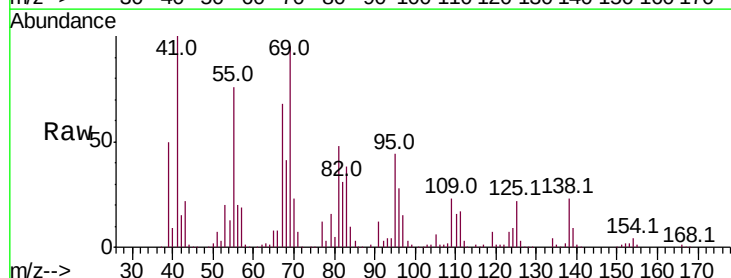
Instrument :
 MSVOA_D
 ClientSampled :
 TP-6RE

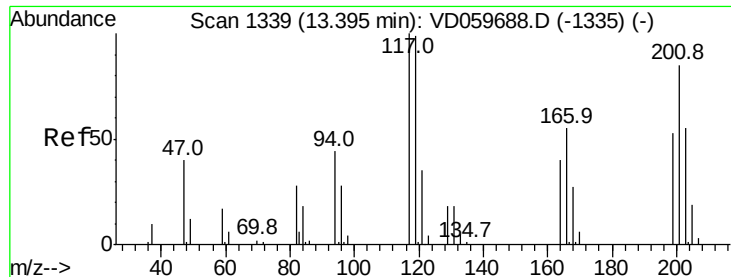
Tot Ion:119 Resp: 3479
 Ion Ratio Lower Upper
 119 100
 134 1331.9 10.7 32.1#
 91 2545.5 16.6 49.7#



#89
 n-Butylbenzene
 Concen: 38.420 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

Tgt Ion: 91 Resp: 93781
 Ion Ratio Lower Upper
 91 100
 92 29.2 28.2 84.6
 134 36.2 9.8 29.5#





#90

Hexachloroethane

Concen: 381.865 ug/l

RT: 13.50 min Scan# 1350

Delta R.T. 0.11 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

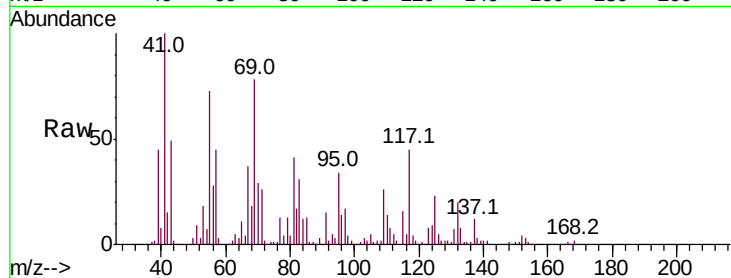
TP-6RE

Tot Ion:117 Resp: 238262

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

300000

250000

200000

150000

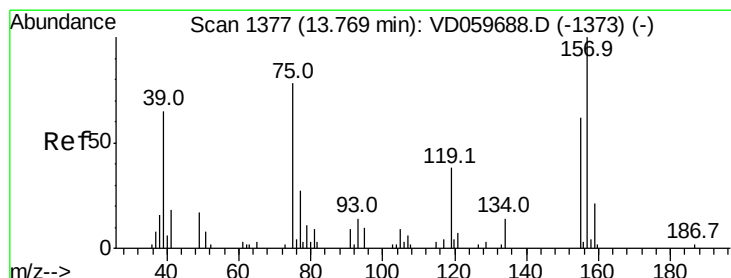
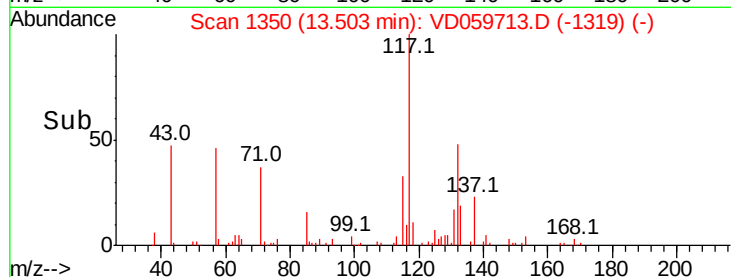
100000

50000

0

13.40 13.45 13.50 13.55

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.268 ug/l

RT: 13.76 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

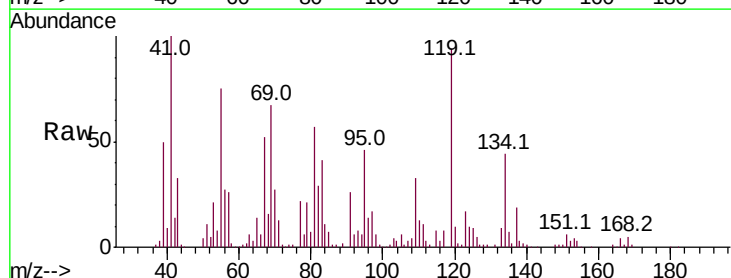
Tgt Ion: 75 Resp: 6544

Ion Ratio Lower Upper

75 100

155 35.7 40.0 119.9#

157 0.0 64.3 192.7#



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

6000

5000

4000

3000

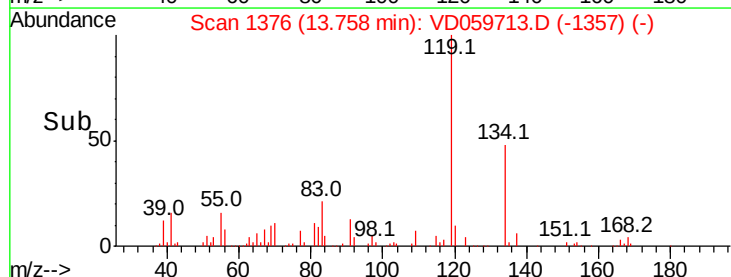
2000

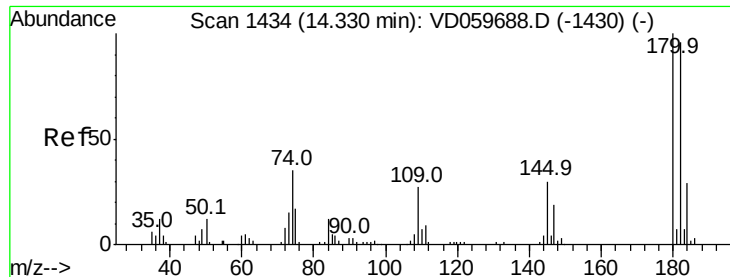
1000

0

13.70 13.75 13.80

Time-->

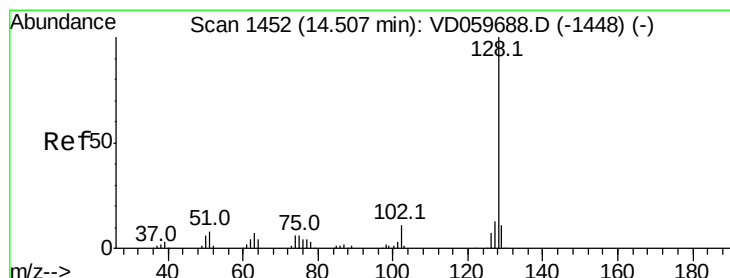
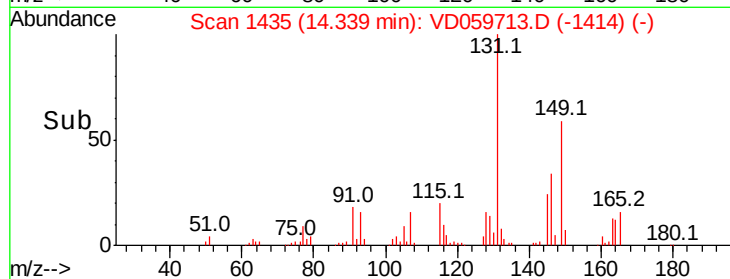
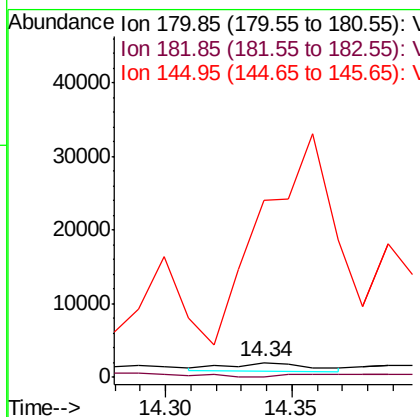
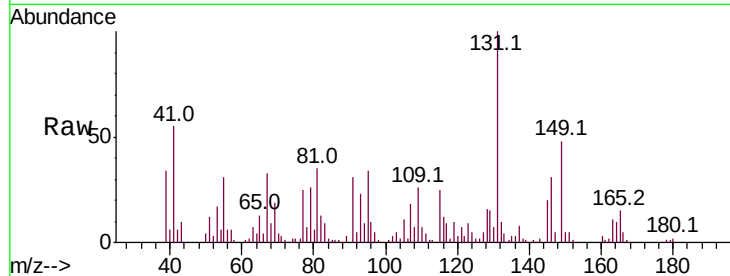




#93
 1,2,4-Trichlorobenzene
 Concen: 2.328 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

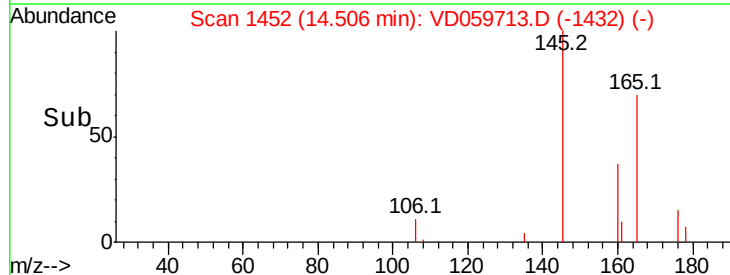
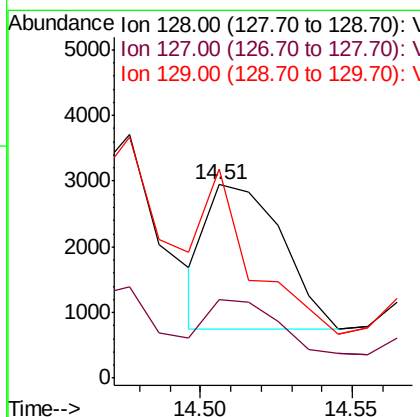
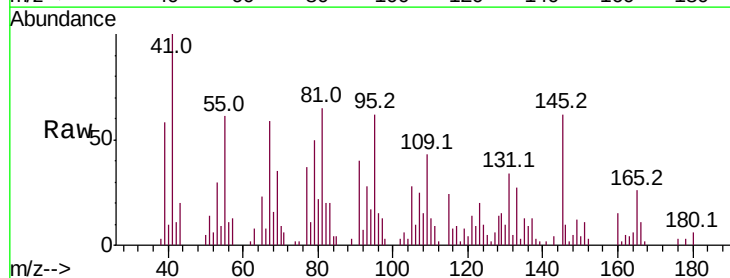
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-6RE

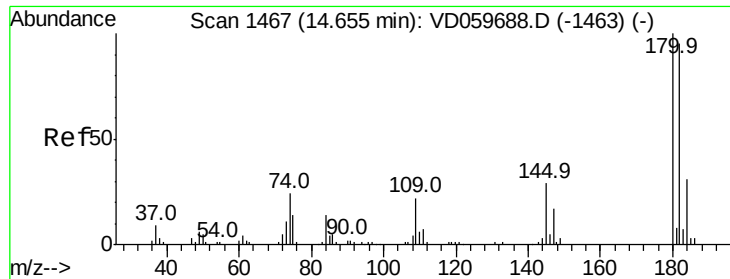
Tot Ion:180 Resp: 2419
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.0#
 145 1204.4 14.8 44.4#



#95
 Naphthalene
 Concen: 2.433 ug/l
 RT: 14.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VD059713.D
 Acq: 8 Aug 2018 15:14

Tgt Ion:128 Resp: 3744
 Ion Ratio Lower Upper
 128 100
 127 40.7 10.6 16.0#
 129 108.0 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 1.656 ug/l

RT: 14.64 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD059713.D

Acq: 8 Aug 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

TP-6RE

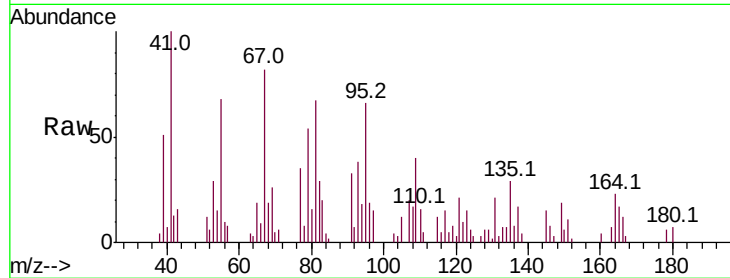
Tot Ion:180 Resp: 1505

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 208.5 14.5 43.5#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

