

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050720\
 Data File : VD065713.D
 Acq On : 07 May 2020 15:15
 Operator : VA/SY
 Sample : L2540-01
 Misc : 7.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-346

Quant Time: May 08 06:02:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	403153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	185523	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
35) Dibromofluoromethane	7.92	113	206897	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	10.34	98	791724	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.64	95	241454	42.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.46%	

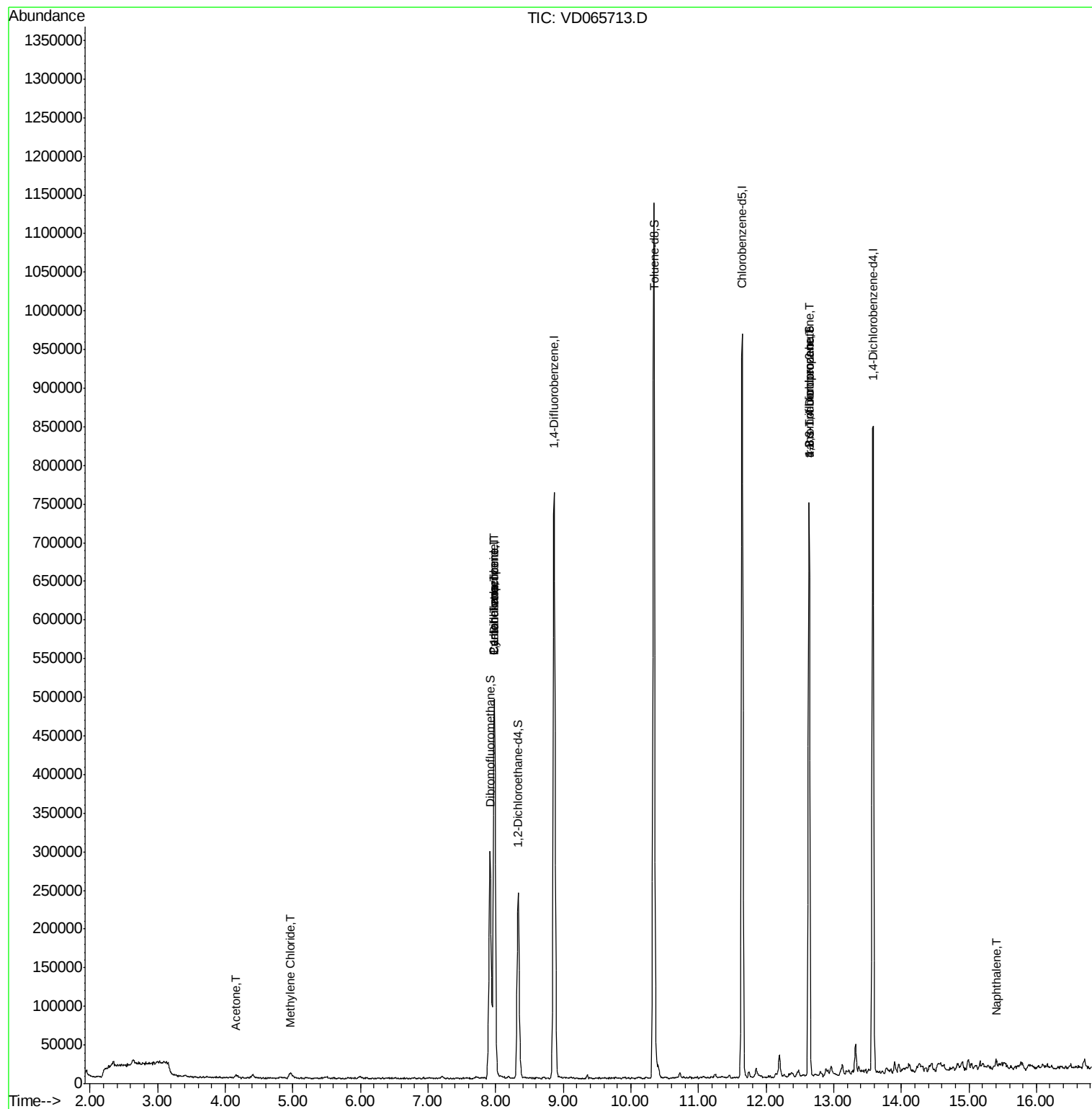
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.41	59	55	Below Cal	#	1
16) Acetone	4.16	43	6321	7.33	ug/l	91
20) Methylene Chloride	4.97	84	4786	1.10	ug/l	# 74
31) Cyclohexane	7.98	56	8648	1.07	ug/l	# 1
36) 1,1-Dichloropropene	7.98	75	28181	4.22	ug/l	# 52
38) Carbon Tetrachloride	7.98	117	36578	5.53	ug/l	# 16
76) 1,2,3-Trichloropropane	12.64	75	119647	60.57	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	119647	107.22	ug/l	# 12
95) Naphthalene	15.41	128	8976	1.03	ug/l	97

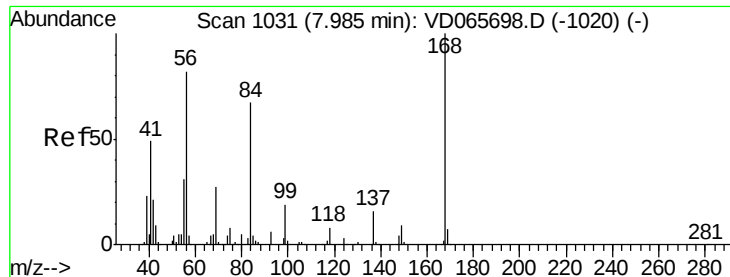
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

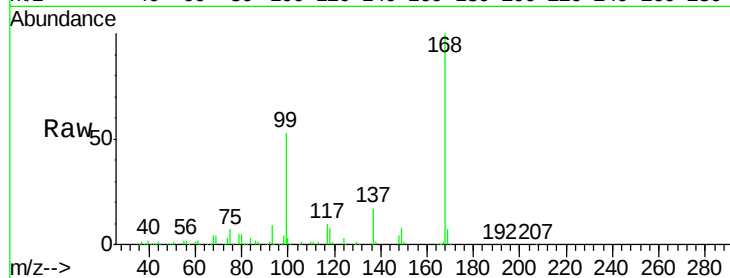
ETGI-346

Tgt Ion:168 Resp: 403153

Ion Ratio Lower Upper

168 100

99 52.7 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

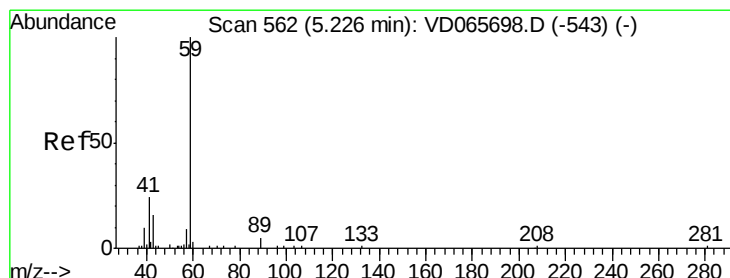
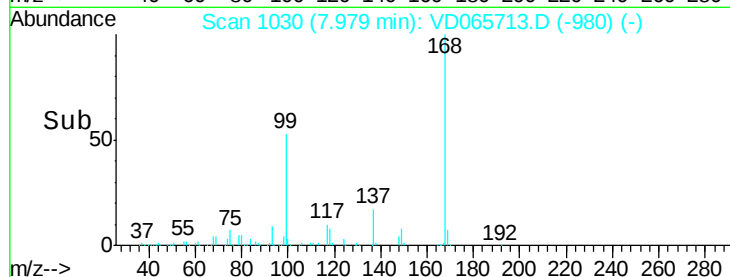
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10 8.20



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.41 min Scan# 593

Delta R.T. 0.18 min

Lab File: VD065713.D

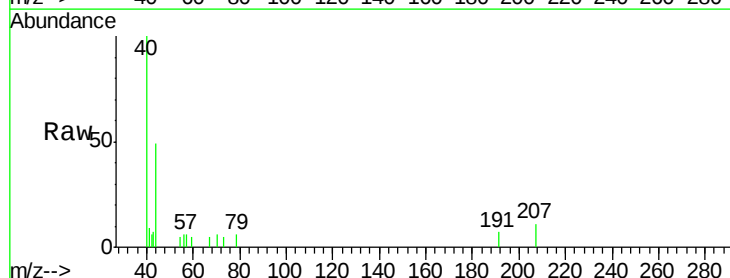
Acq: 07 May 2020 15:15

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 283.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

250

200

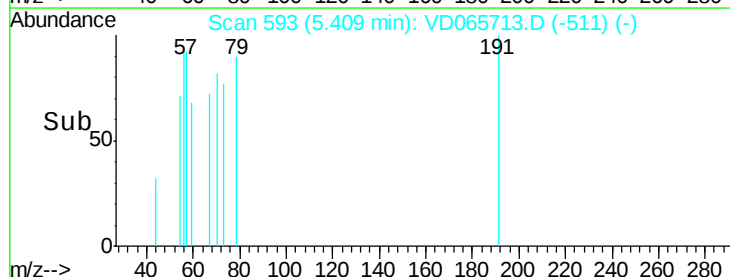
150

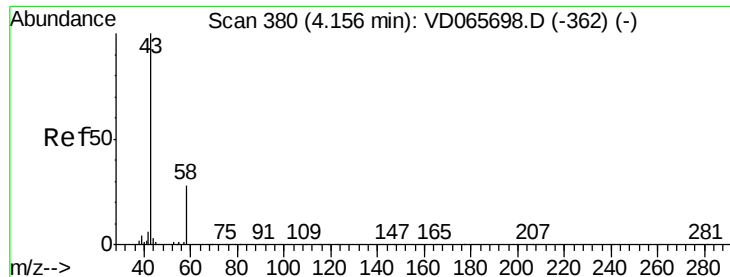
100

50

0

Time--> 5.39 5.40 5.41 5.42

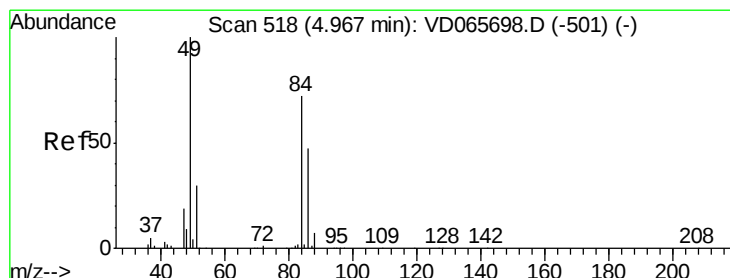
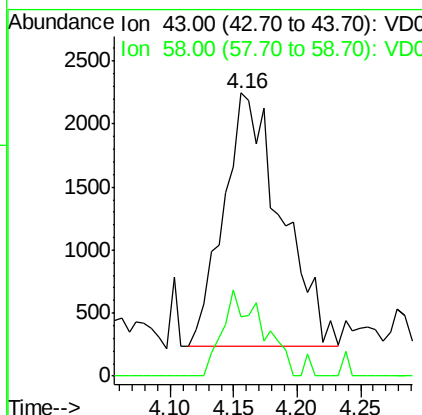
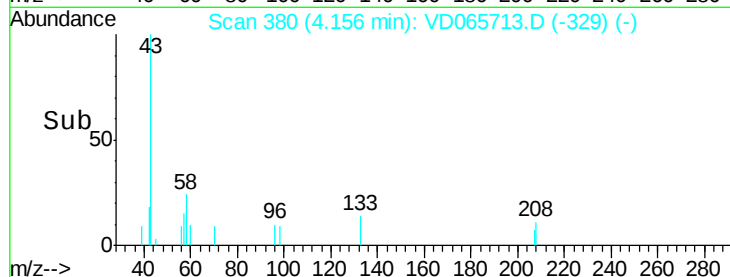
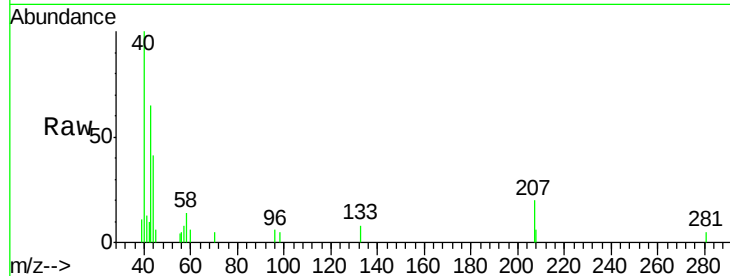




#16
Acetone
Concen: 7.33 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD065713.D
Acq: 07 May 2020 15:15

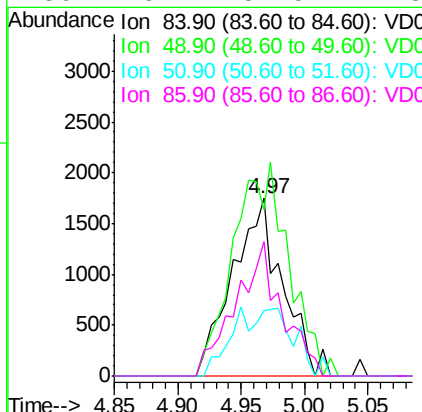
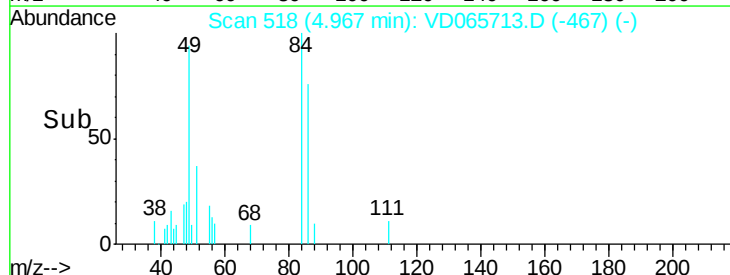
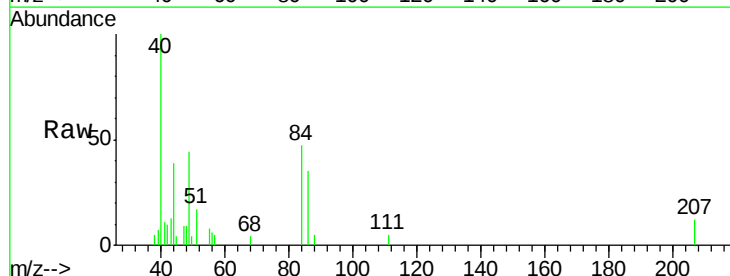
Instrument :
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ETGI-346

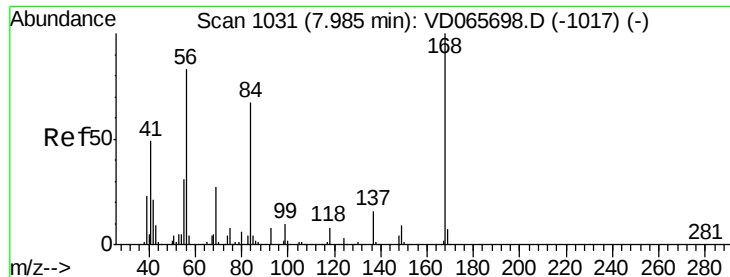
Tgt Ion: 43 Resp: 6321
Ion Ratio Lower Upper
43 100
58 23.6 22.5 33.7



#20
Methylene Chloride
Concen: 1.10 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065713.D
Acq: 07 May 2020 15:15

Tgt Ion: 84 Resp: 4786
Ion Ratio Lower Upper
84 100
49 94.0 110.4 165.6#
51 36.5 33.4 50.2
86 75.7 51.5 77.3

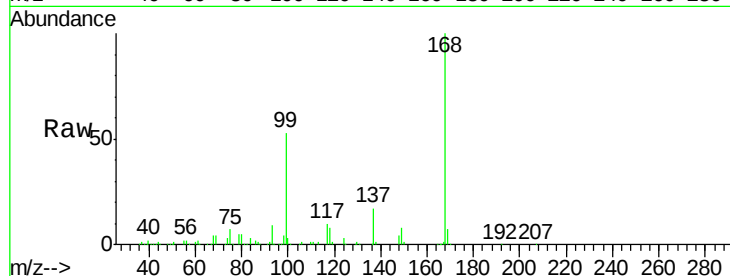




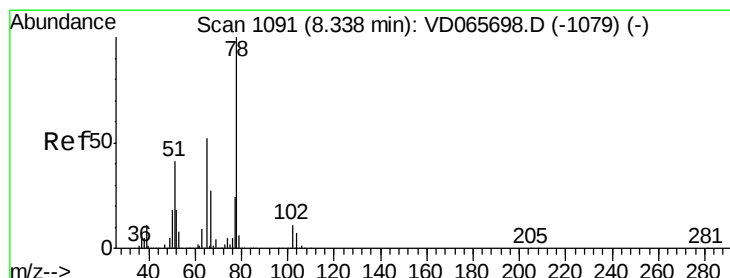
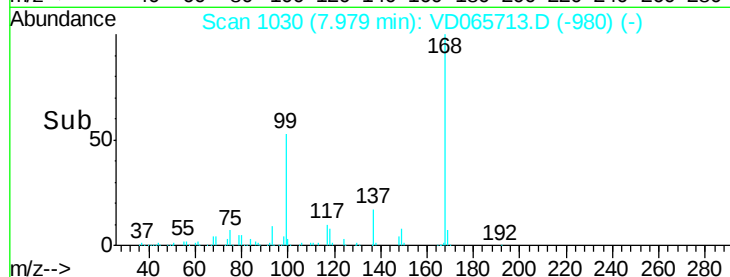
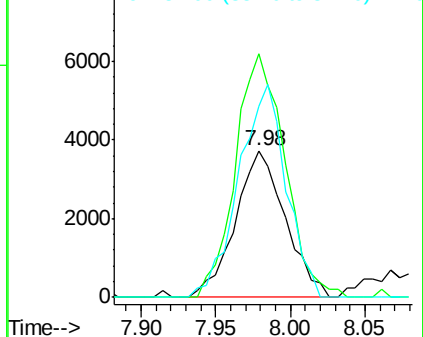
#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065713.D
Acq: 07 May 2020 15:15

Instrument :
MSVOA_D
ClientSampleId :
ETGI-346

Tgt Ion: 56 Resp: 8648
Ion Ratio Lower Upper
56 100
69 165.8 26.3 39.5#
84 129.9 64.5 96.7#

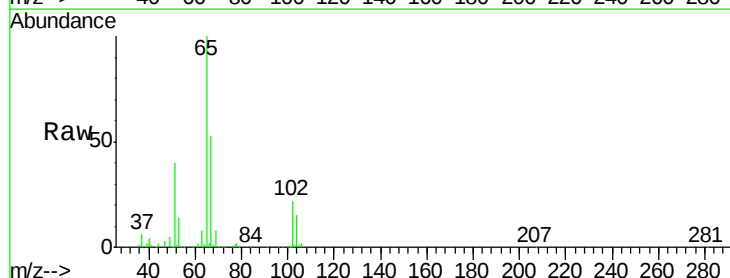


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

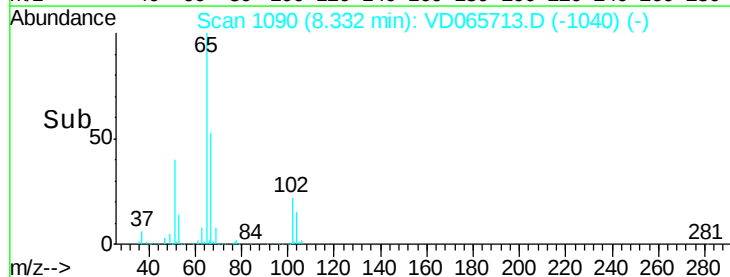
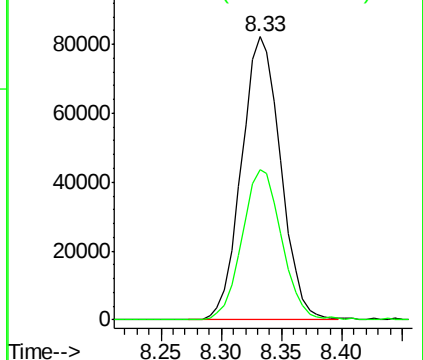


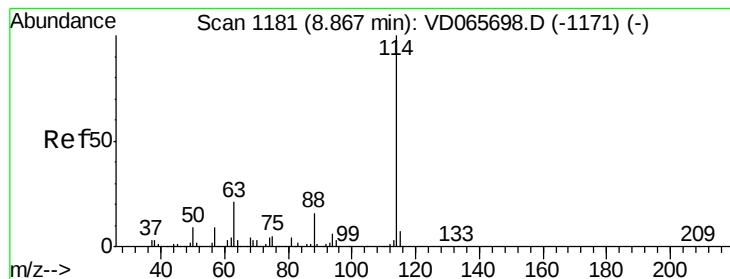
#33
1,2-Dichloroethane-d4
Concen: 45.94 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065713.D
Acq: 07 May 2020 15:15

Tgt Ion: 65 Resp: 185523
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

ETGI-346

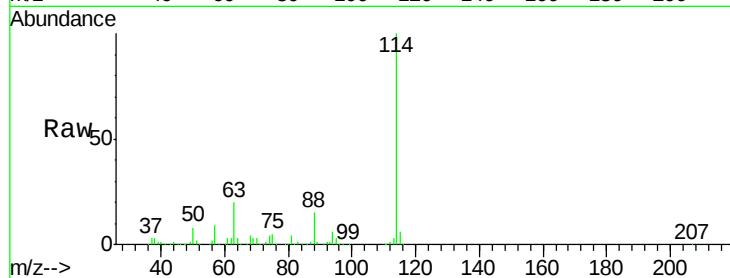
Tgt Ion:114 Resp: 672005

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

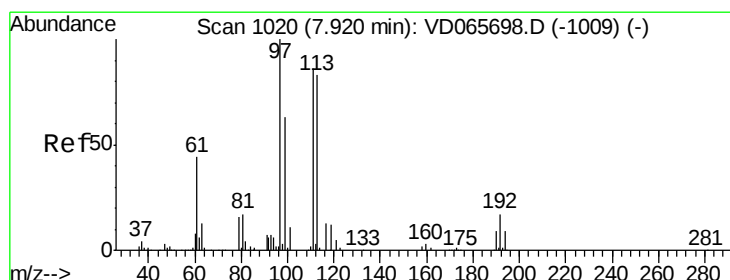
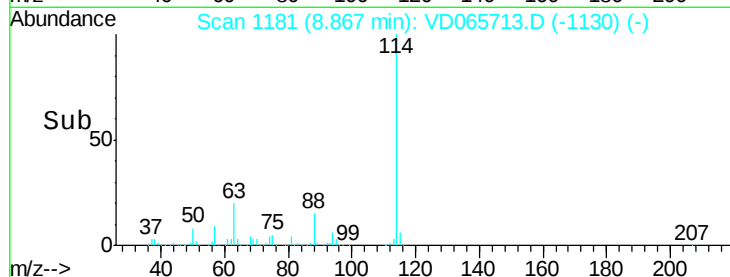
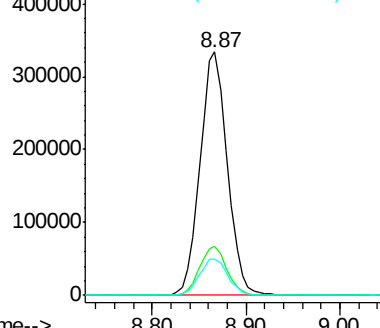
88 14.7 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.26 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

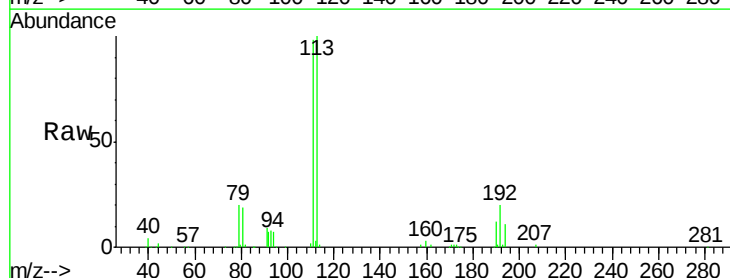
Tgt Ion:113 Resp: 206897

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

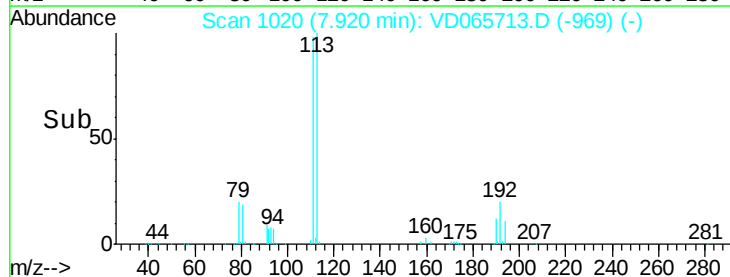
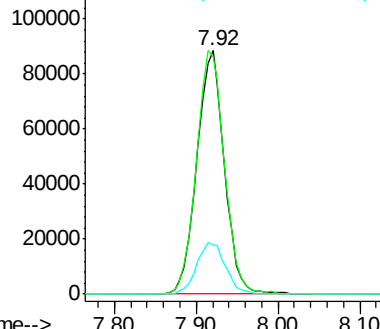
192 22.1 17.0 25.4

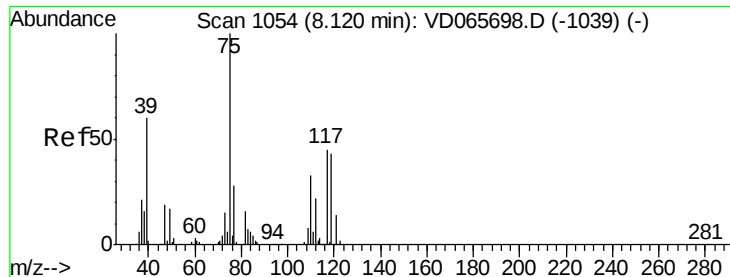


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

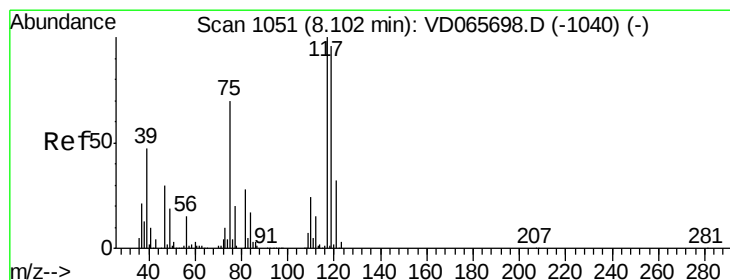
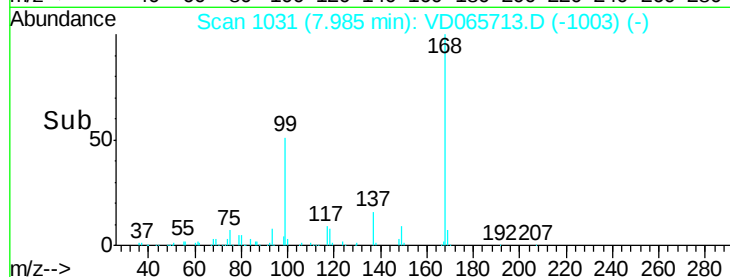
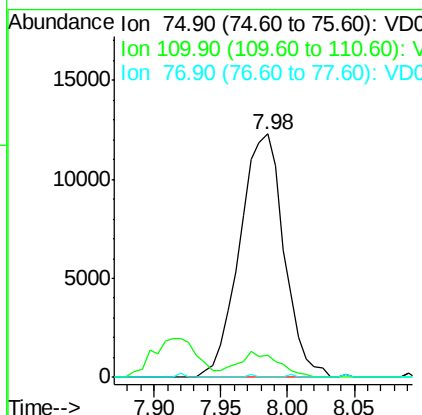
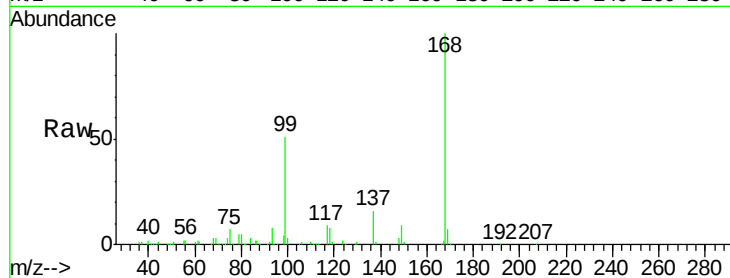




#36
 1,1-Dichloropropene
 Concen: 4.22 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD065713.D
 Acq: 07 May 2020 15:15

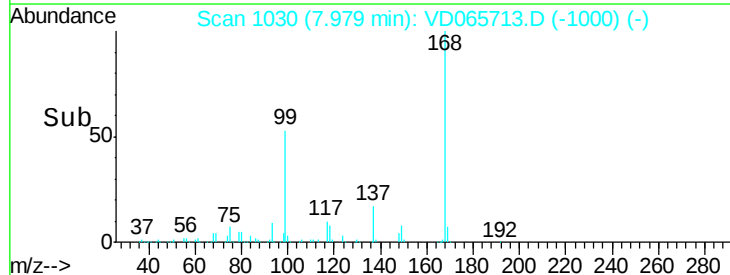
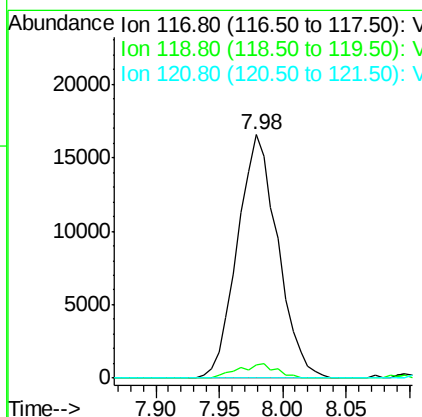
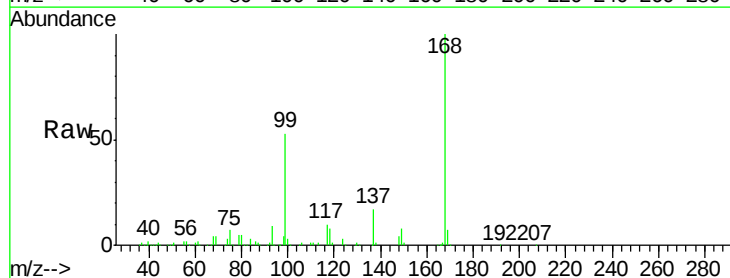
Instrument :
 MSVOA_D
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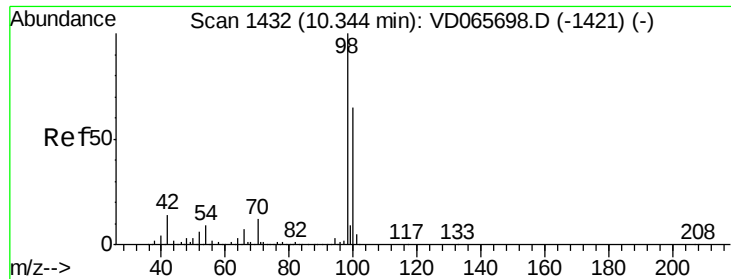
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.2	51.6#
77	0.2	23.7	35.5#



#38
 Carbon Tetrachloride
 Concen: 5.53 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065713.D
 Acq: 07 May 2020 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.1	115.7#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 49.09 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

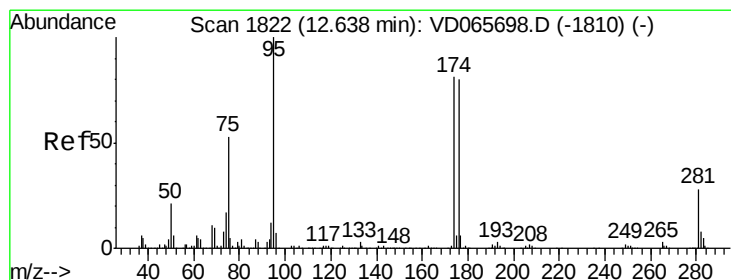
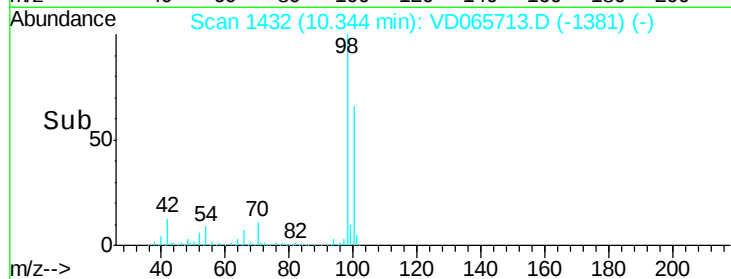
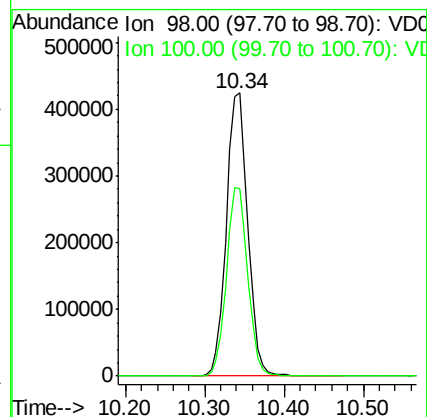
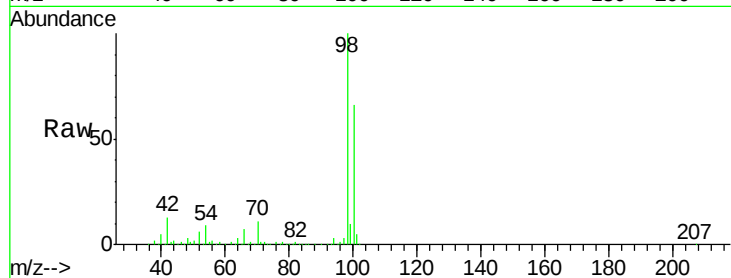
ETGI-346

Tgt Ion: 98 Resp: 791724

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 42.23 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

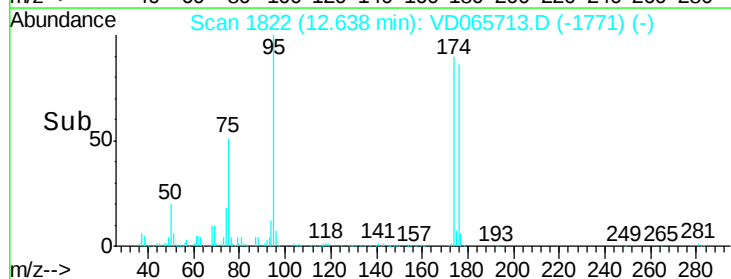
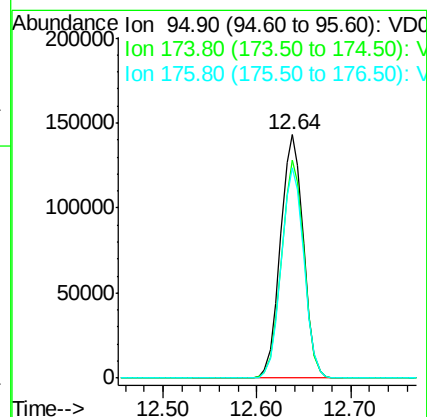
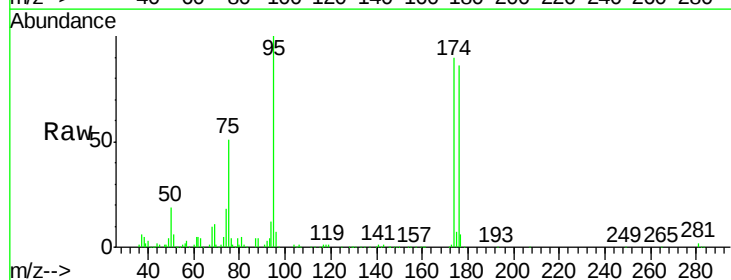
Tgt Ion: 95 Resp: 241454

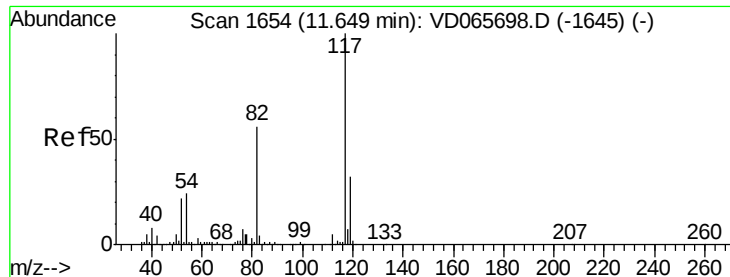
Ion Ratio Lower Upper

95 100

174 87.5 0.0 162.6

176 85.1 0.0 159.0

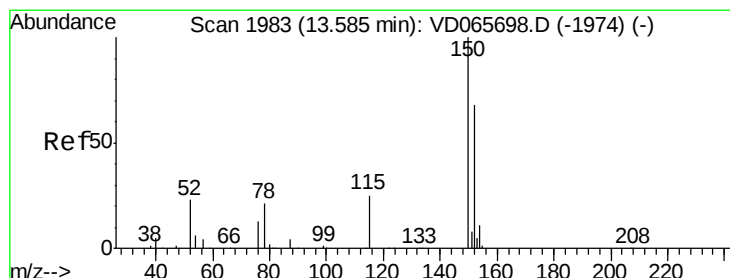
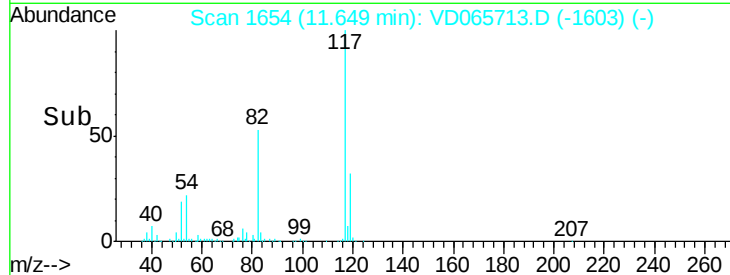
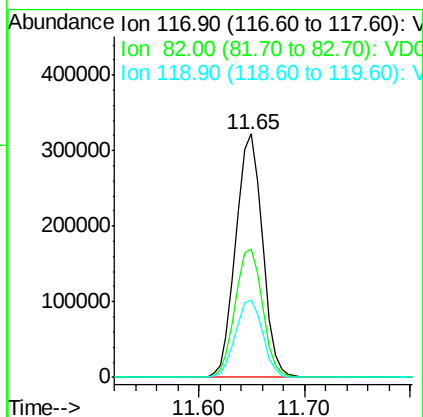
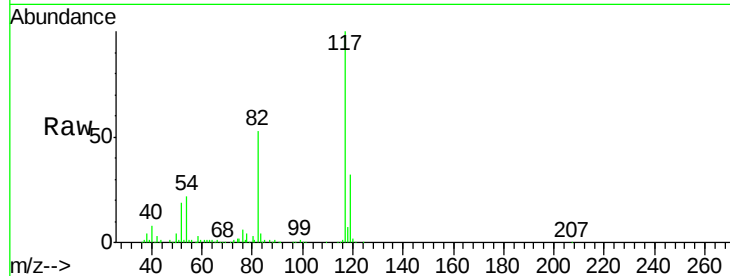




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065713.D
Acq: 07 May 2020 15:15

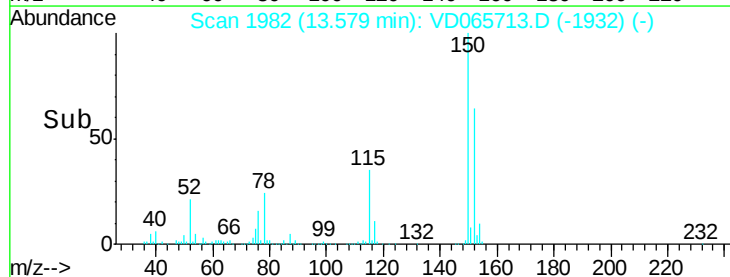
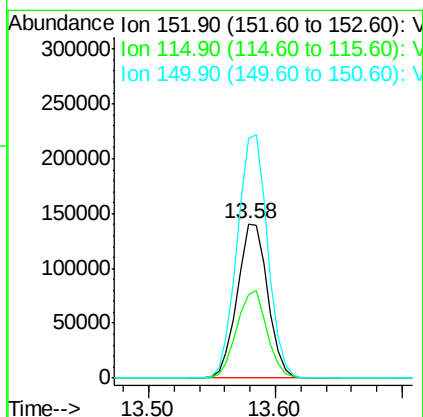
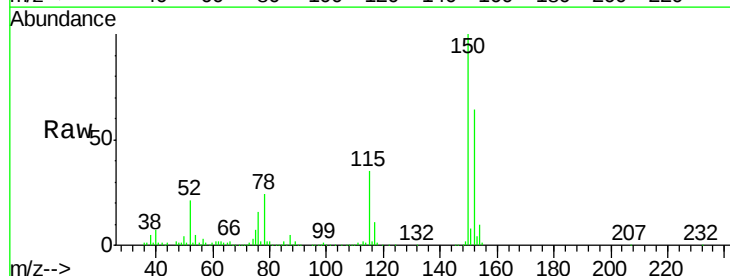
Instrument :
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ClientSampleId :
ETGI-346

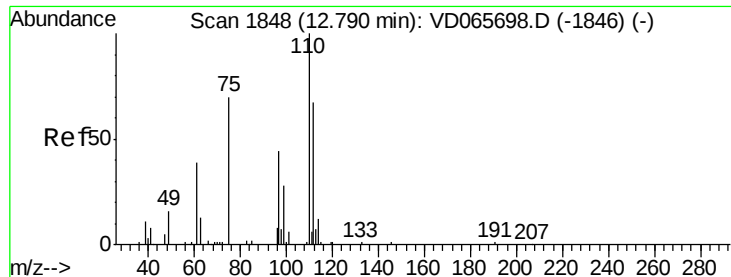
Tgt Ion:117 Resp: 563197
Ion Ratio Lower Upper
117 100
82 52.8 44.9 67.3
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD065713.D
Acq: 07 May 2020 15:15

Tgt Ion:152 Resp: 233882
Ion Ratio Lower Upper
152 100
115 56.2 29.5 88.5
150 157.6 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 60.57 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

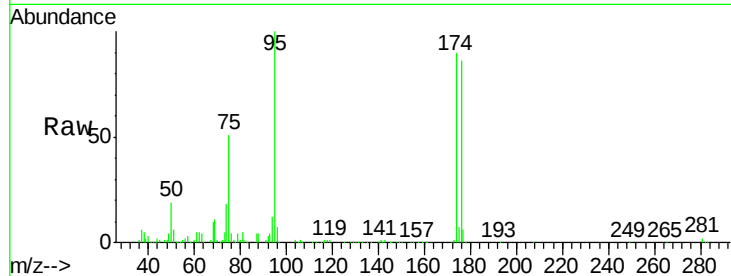
ETGI-346

Tgt Ion: 75 Resp: 119647

Ion Ratio Lower Upper

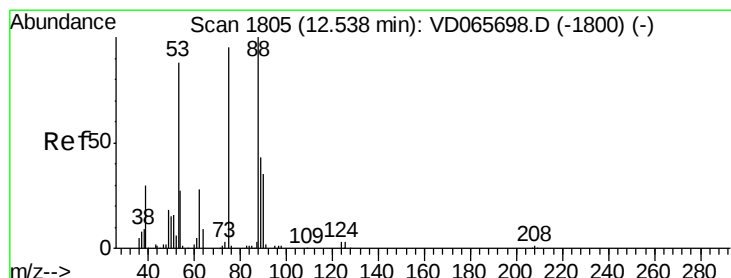
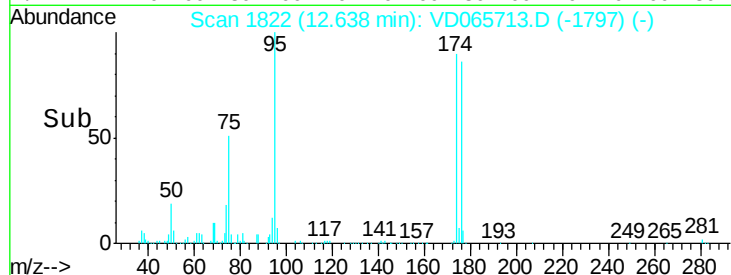
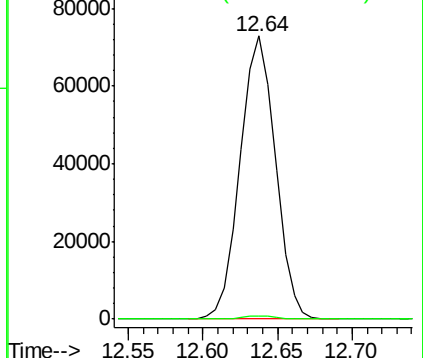
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 107.22 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

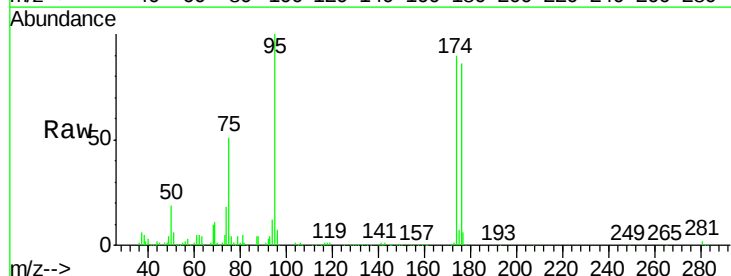
Tgt Ion: 75 Resp: 119647

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

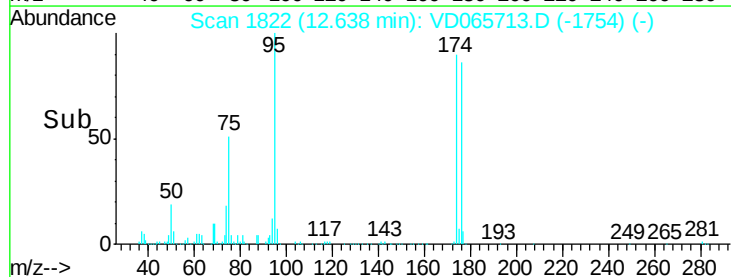
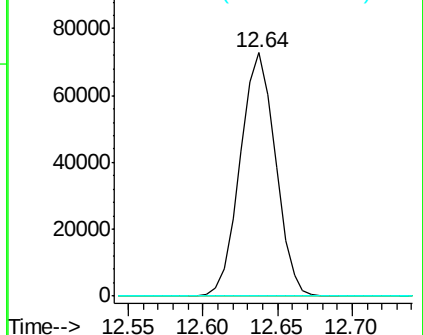
89 0.0 36.2 54.2#

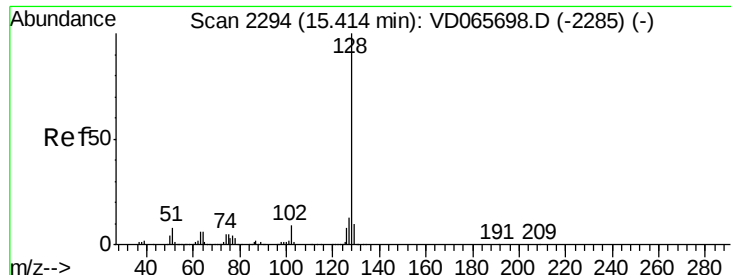


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.03 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065713.D

Acq: 07 May 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

ETGI-346

Tgt Ion:128 Resp: 8976

Ion Ratio Lower Upper

128 100

127 15.3 10.4 15.6

129 11.3 9.0 13.4

