

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111720\
 Data File : VD067666.D
 Acq On : 17 Nov 2020 16:53
 Operator : VA/SY
 Sample : L4769-10RE
 Misc : 4.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-359RE

Quant Time: Nov 17 23:59:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	253713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	423824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	451510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	133650	60.25	ug/l	0.00
Spiked Amount			Recovery	=	120.50%	
35) Dibromofluoromethane	7.92	113	73709	28.87	ug/l	0.00
Spiked Amount			Recovery	=	57.74%	
50) Toluene-d8	10.34	98	505488	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
62) 4-Bromofluorobenzene	12.64	95	204463	66.00	ug/l	0.00
Spiked Amount			Recovery	=	132.00%	

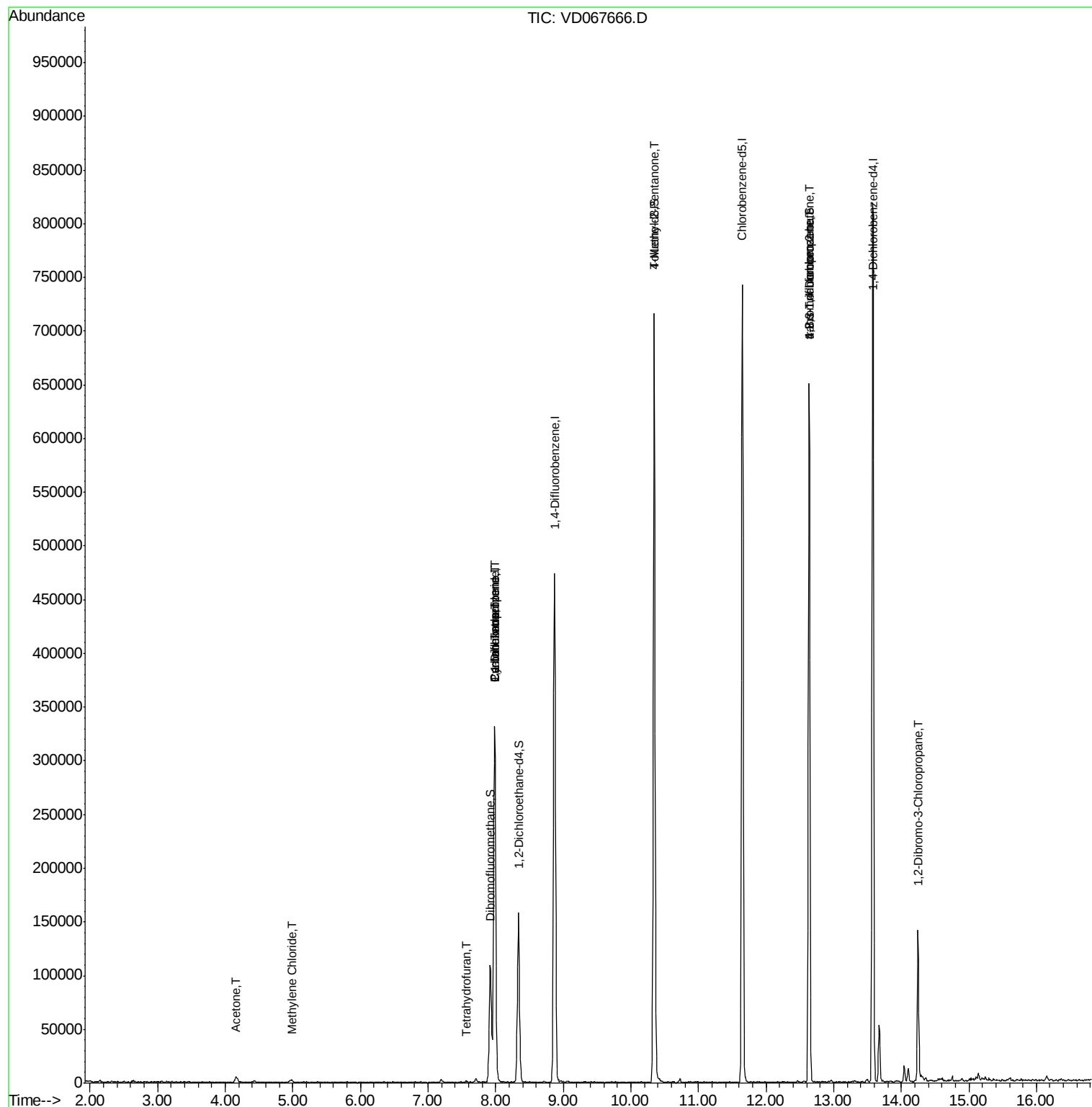
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	105	Below Cal	#	79
16) Acetone	4.17	43	9191	27.686	ug/l #	81
20) Methylene Chloride	4.98	84	2406	1.026	ug/l #	69
29) Tetrahydrofuran	7.57	42	702	3.304	ug/l #	53
31) Cyclohexane	7.98	56	4800	1.492	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	18473	5.092	ug/l #	50
38) Carbon Tetrachloride	7.99	117	25856	5.485	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2302	2.584	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	103363	73.767	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103363	149.767	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.25	75	375	1.035	ug/l #	1

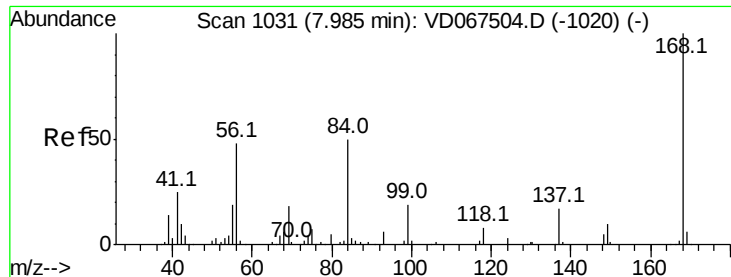
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

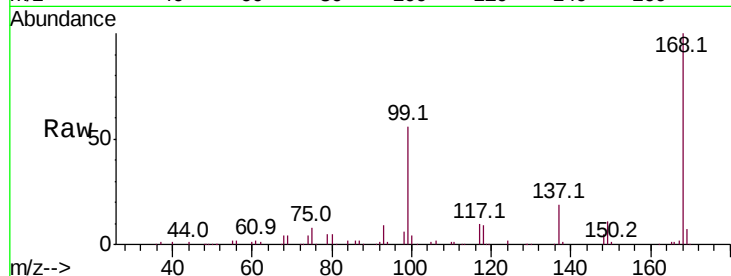
ETGI-359RE

Tot Ion:168 Resp: 253713

Ion Ratio Lower Upper

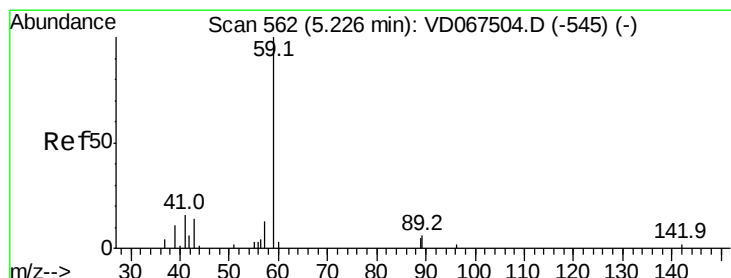
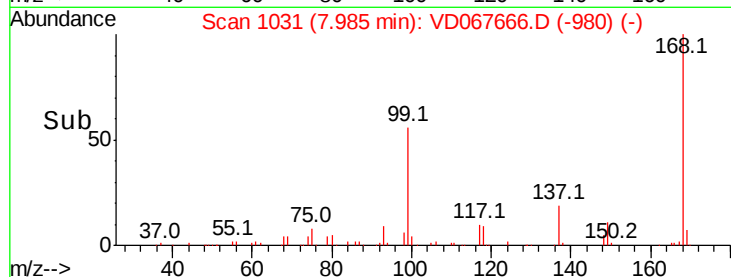
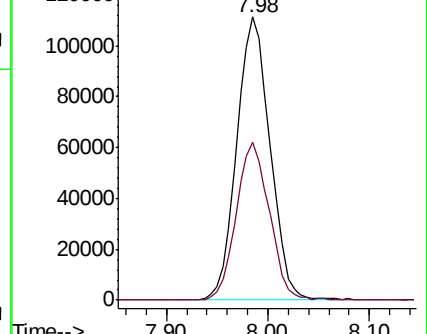
168 100

99 55.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD067666.D

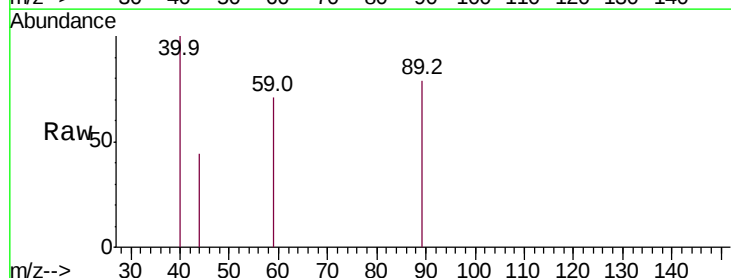
Acq: 17 Nov 2020 16:53

Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

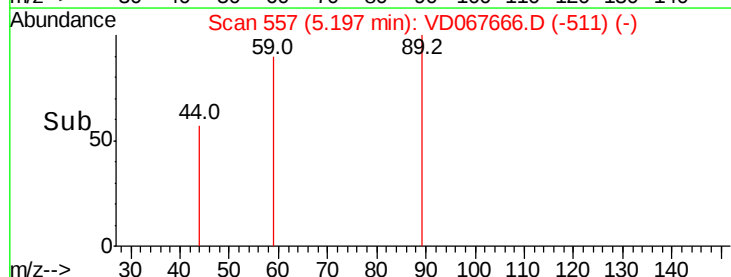
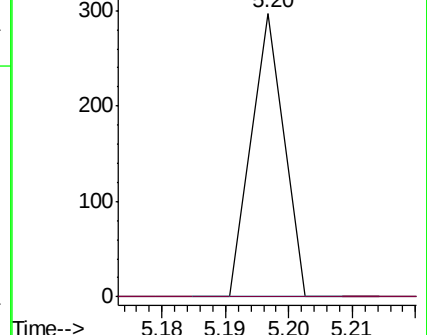
59 100

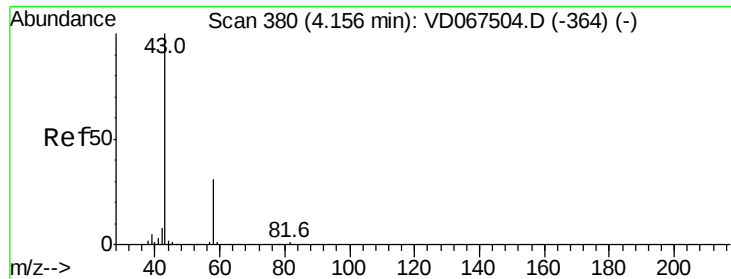
57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 27.686 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

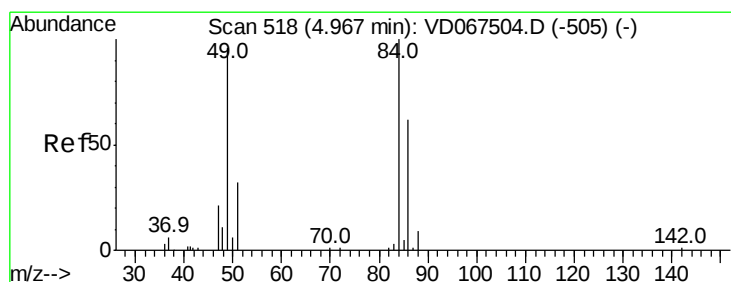
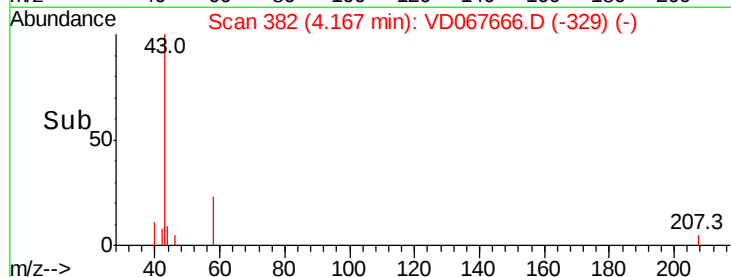
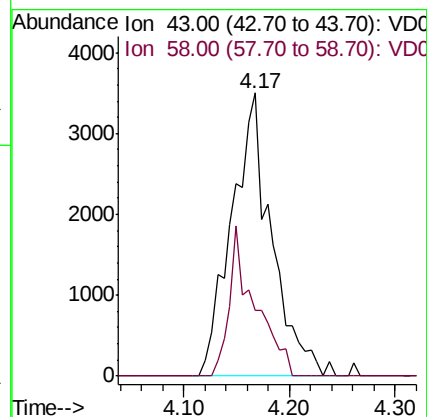
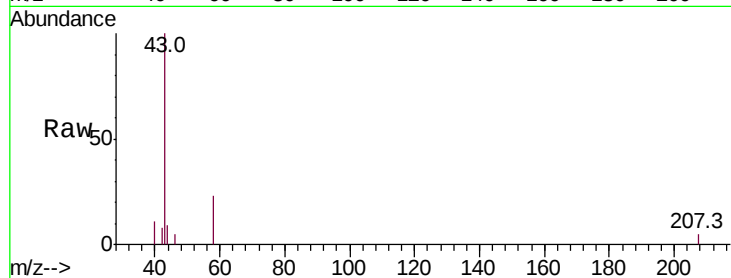
ETGI-359RE

Tot Ion: 43 Resp: 9191

Ion Ratio Lower Upper

43 100

58 21.3 25.2 37.8#



#20

Methylene Chloride

Concen: 1.026 ug/l

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Tgt Ion: 84 Resp: 2406

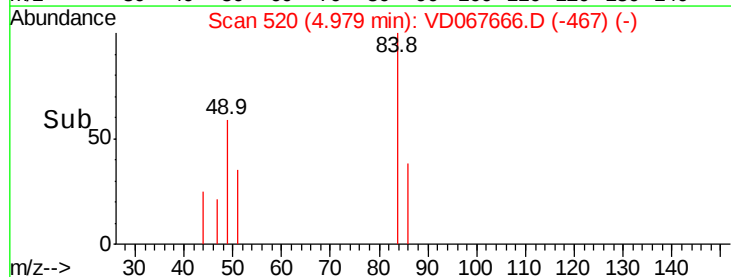
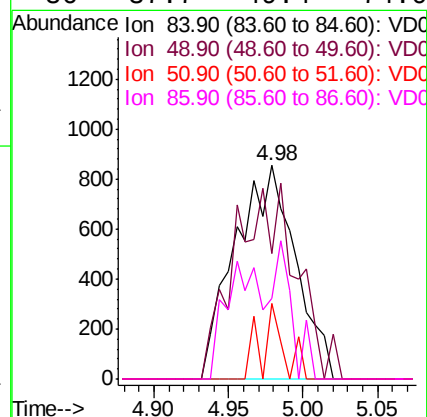
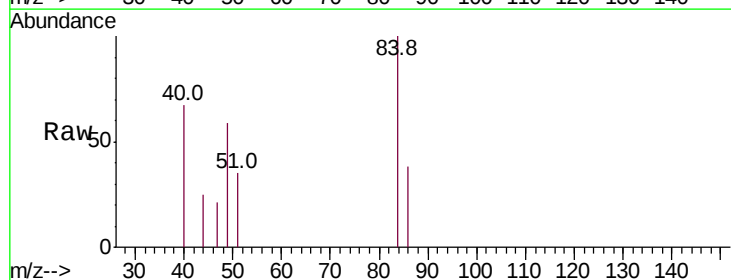
Ion Ratio Lower Upper

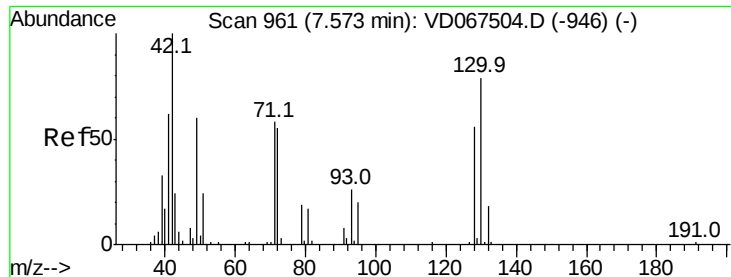
84 100

49 58.7 77.0 115.4#

51 35.2 25.4 38.2

86 37.7 49.4 74.0#





#29

Tetrahydrofuran

Concen: 3.304 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

ETGI-359RE

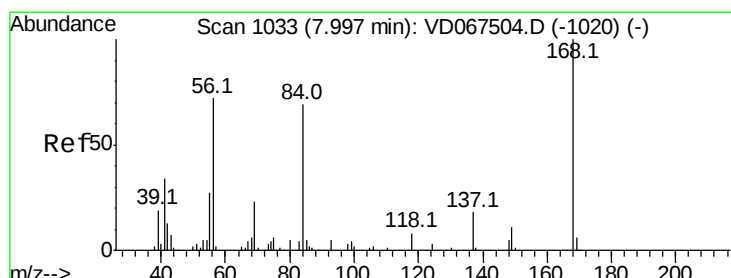
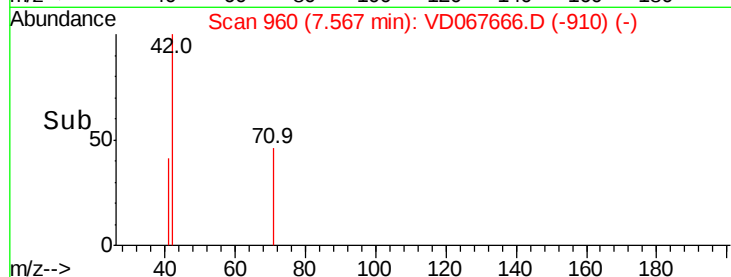
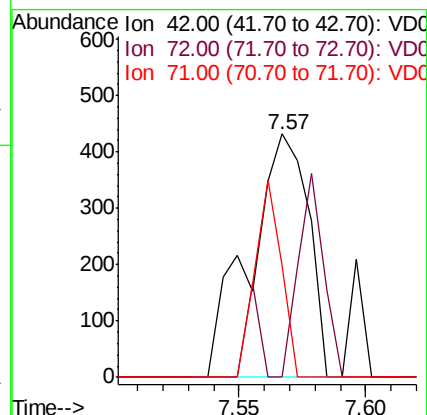
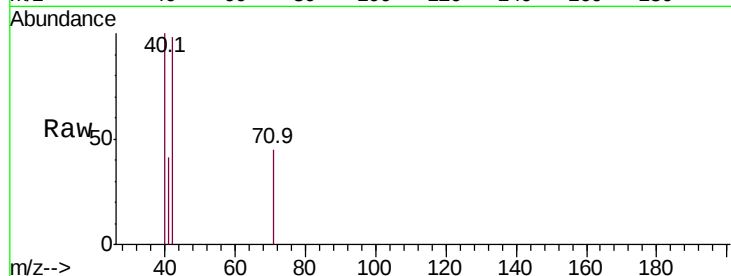
Tot Ion: 42 Resp: 702

Ion Ratio Lower Upper

42 100

72 8.4 46.3 69.5#

71 35.9 44.0 66.0#



#31

Cyclohexane

Concen: 1.492 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

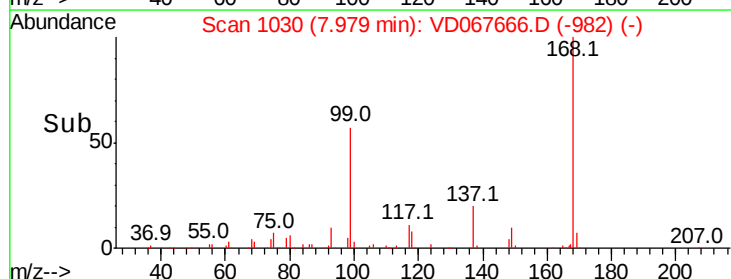
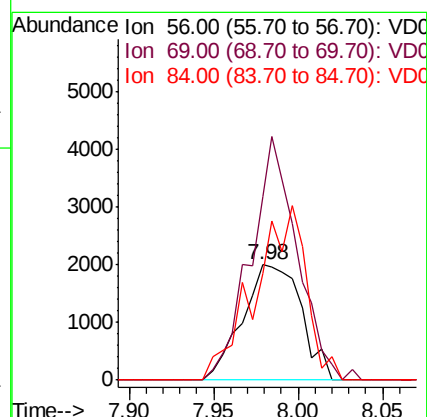
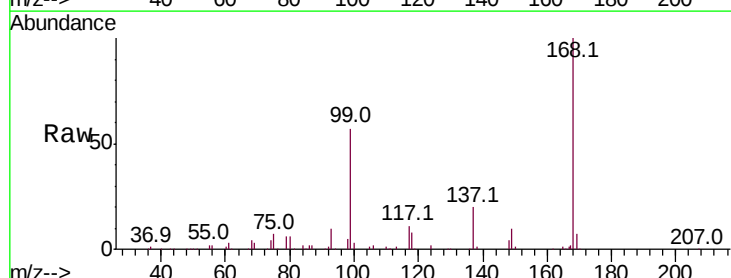
Tgt Ion: 56 Resp: 4800

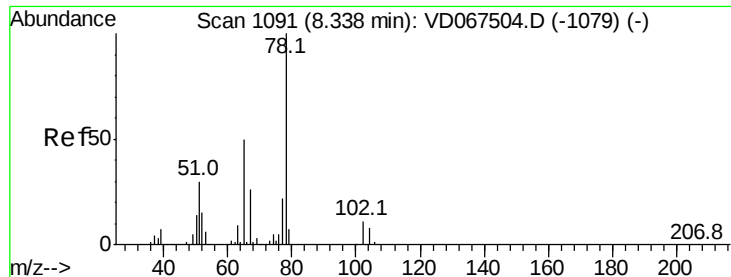
Ion Ratio Lower Upper

56 100

69 159.1 25.9 38.9#

84 106.1 76.2 114.4





#33

1,2-Dichloroethane-d4

Concen: 60.245 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

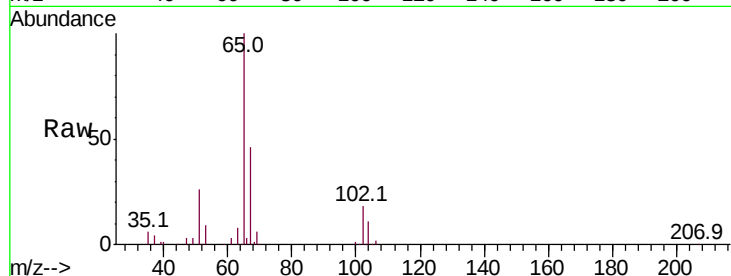
ETGI-359RE

Tot Ion: 65 Resp: 133650

Ion Ratio Lower Upper

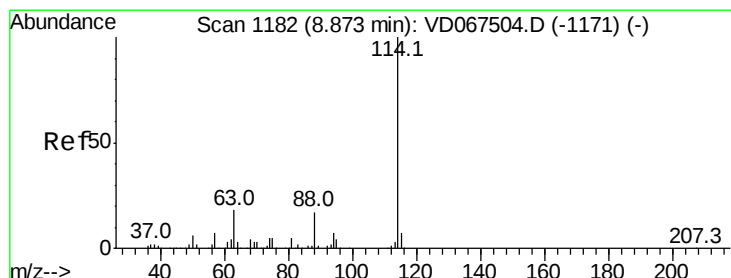
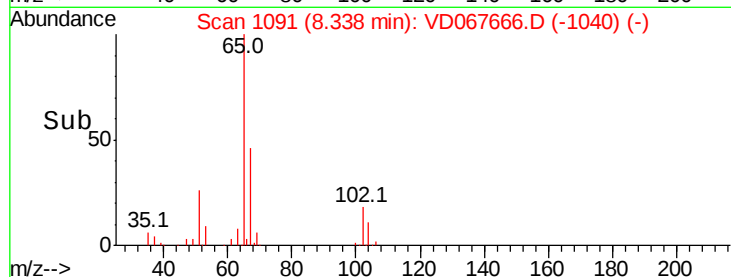
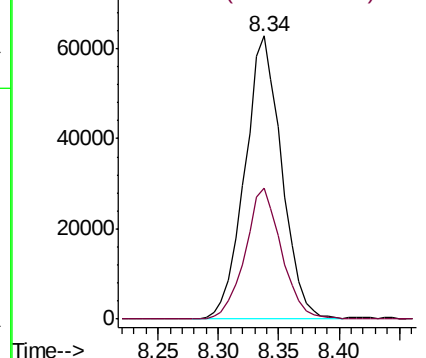
65 100

67 45.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

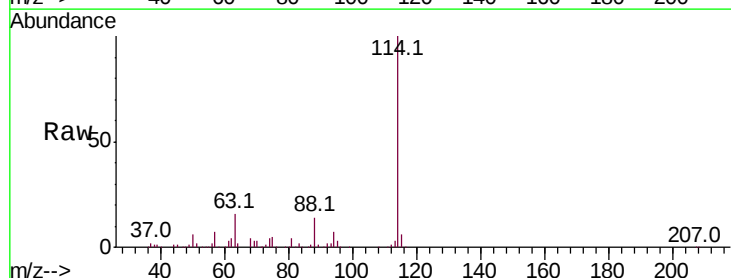
Tgt Ion: 114 Resp: 423824

Ion Ratio Lower Upper

114 100

63 15.8 0.0 35.0

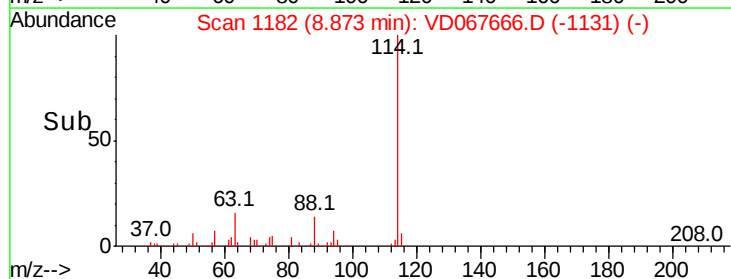
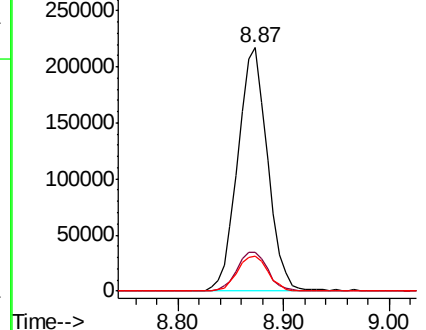
88 14.4 0.0 33.0

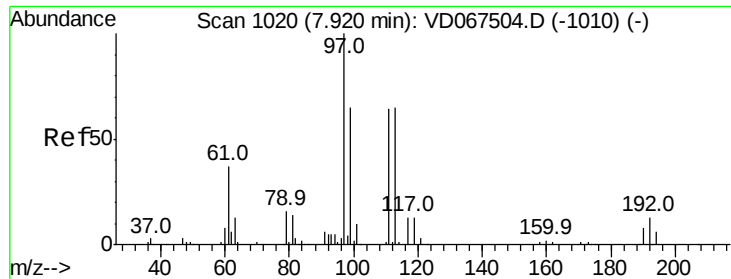


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

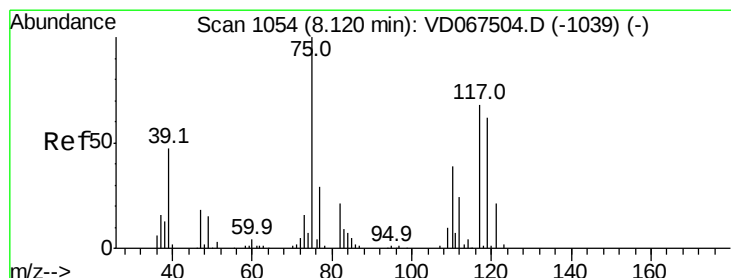
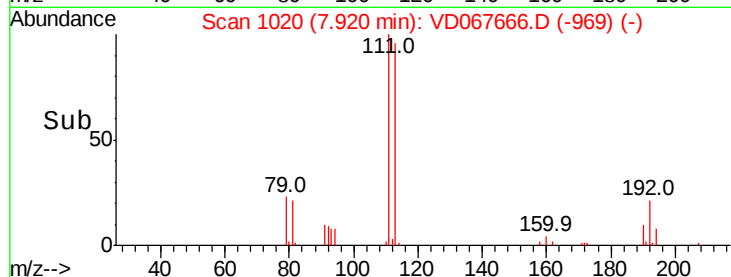
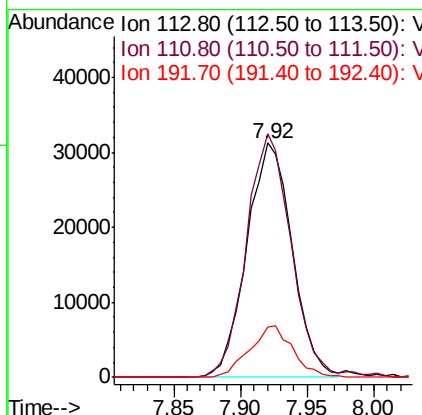
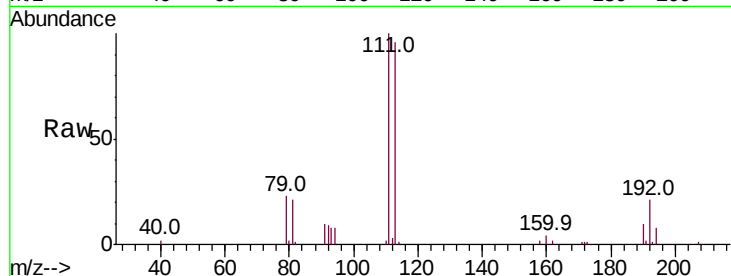




#35
 Dibromofluoromethane
 Concen: 28.866 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067666.D
 Acq: 17 Nov 2020 16:53

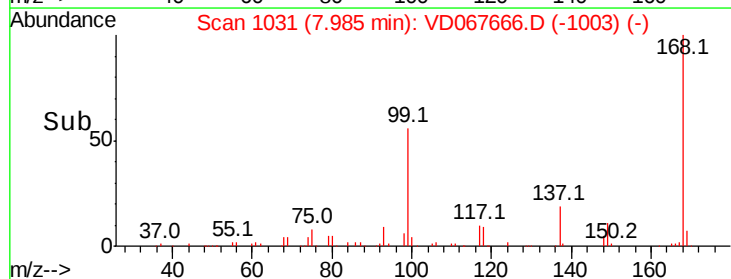
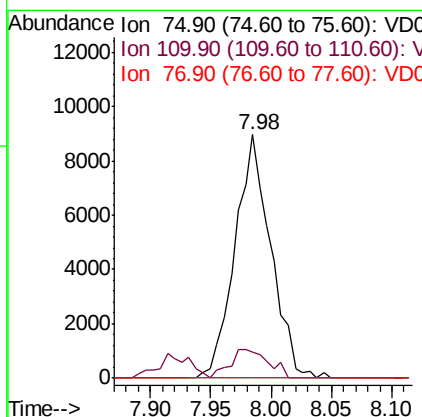
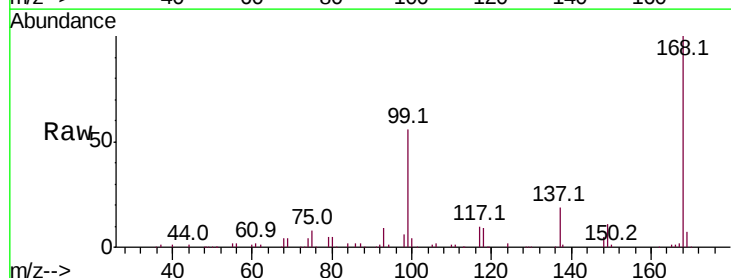
Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-359RE

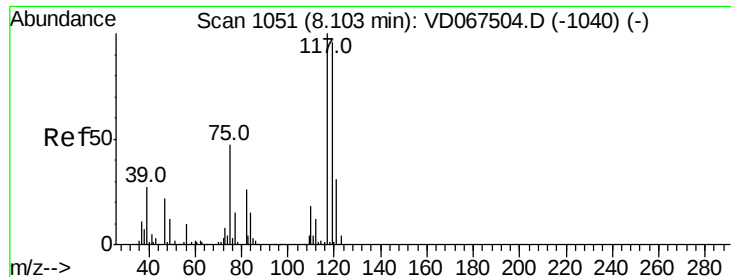
Tot Ion:113 Resp: 73709
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.0 120.0
 192 20.9 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 5.092 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067666.D
 Acq: 17 Nov 2020 16:53

Tgt Ion: 75 Resp: 18473
 Ion Ratio Lower Upper
 75 100
 110 12.6 19.9 59.7#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.485 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

ETGI-359RE

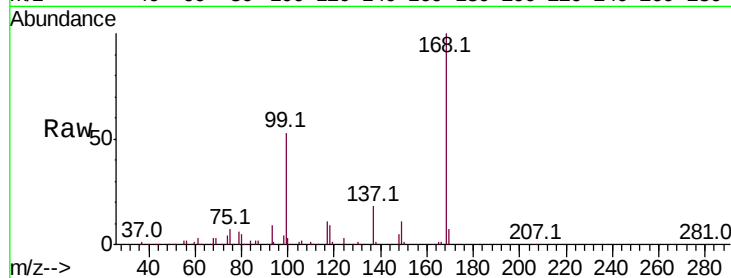
Tot Ion:117 Resp: 25856

Ion Ratio Lower Upper

117 100

119 7.1 76.9 115.3#

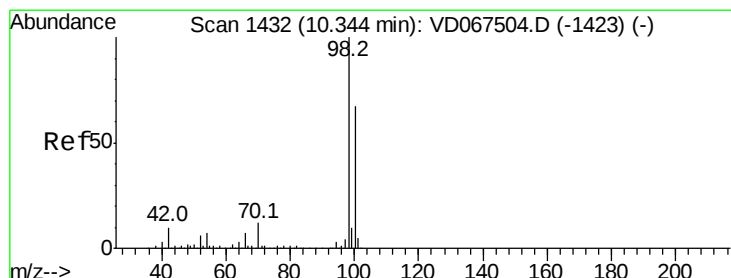
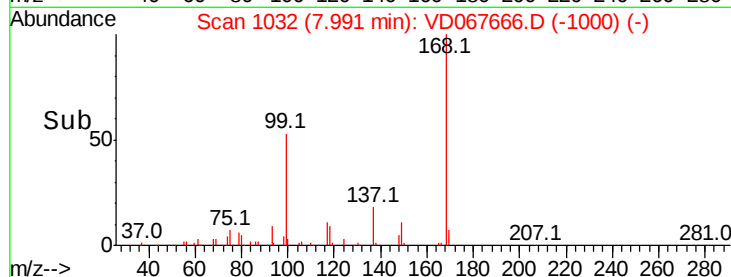
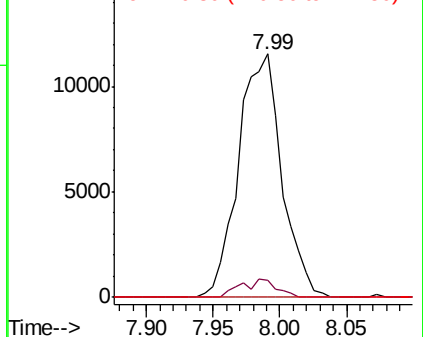
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 56.330 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067666.D

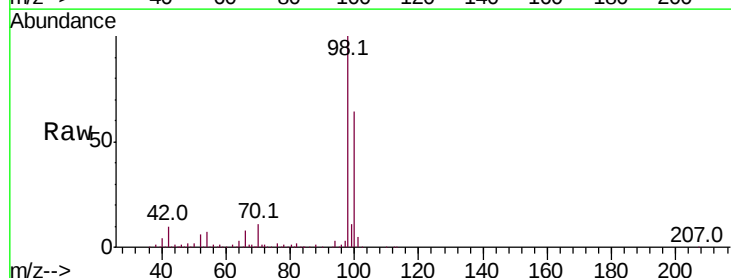
Acq: 17 Nov 2020 16:53

Tgt Ion: 98 Resp: 505488

Ion Ratio Lower Upper

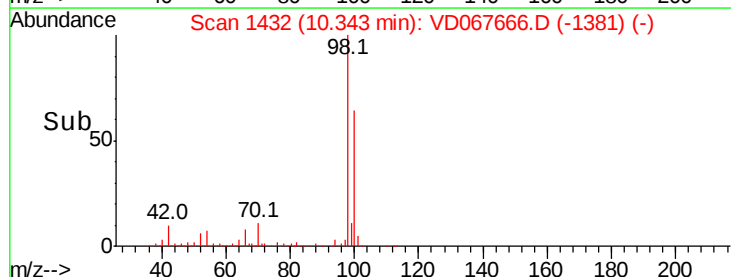
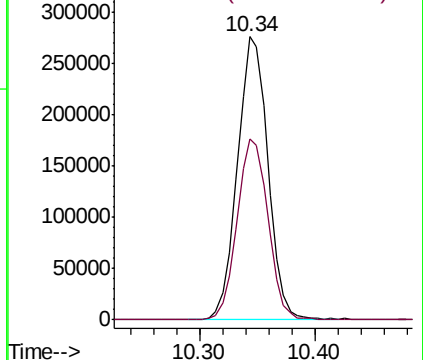
98 100

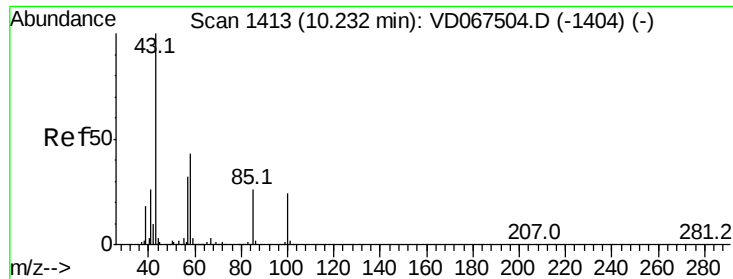
100 64.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.584 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

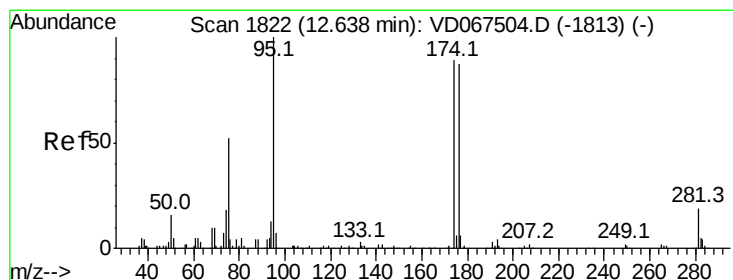
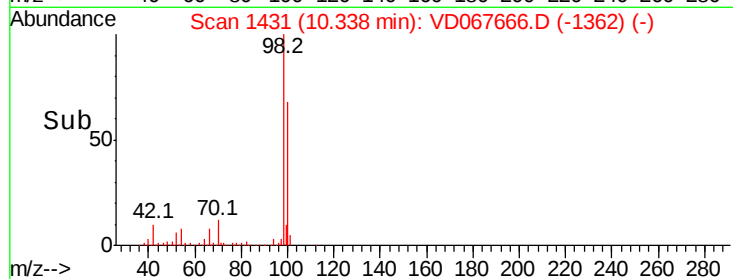
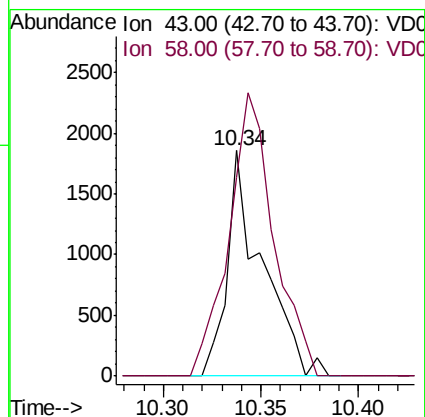
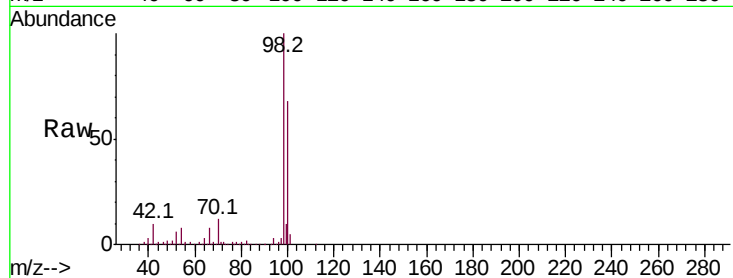
Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

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ETGI-359RE

Tot Ion: 43 Resp: 2302

Ion	Ratio	Lower	Upper
43	100		
58	161.6	35.6	53.4#



#62

4-Bromofluorobenzene

Concen: 65.996 ug/l

RT: 12.64 min Scan# 1822

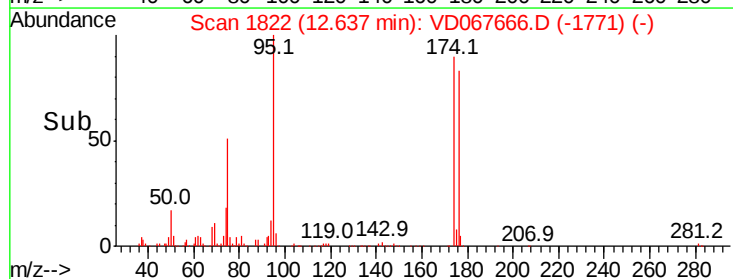
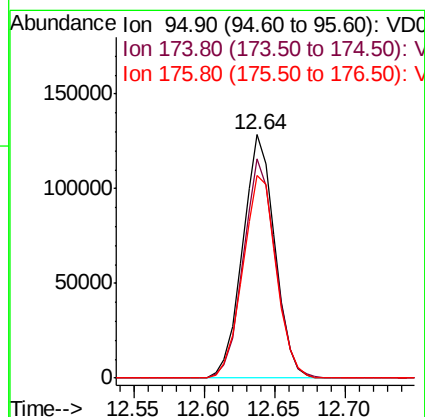
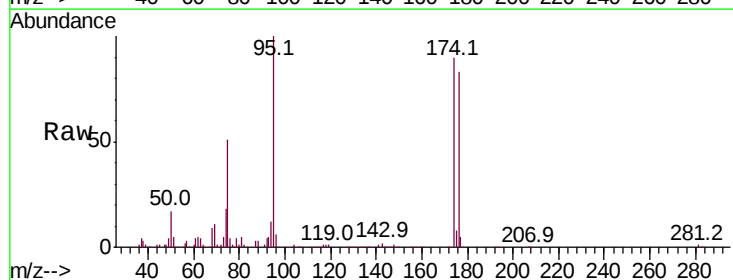
Delta R.T. -0.00 min

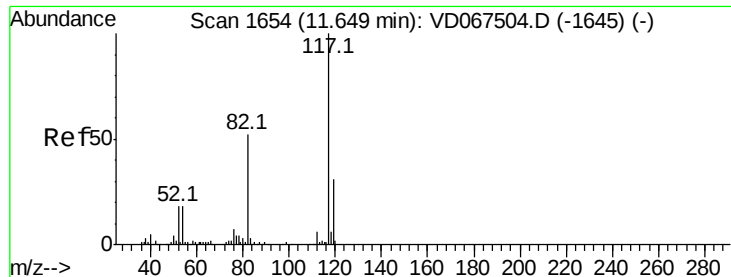
Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Tgt Ion: 95 Resp: 204463

Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	177.8
176	86.4	0.0	172.0

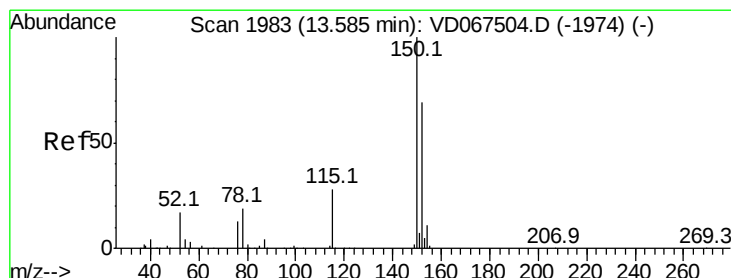
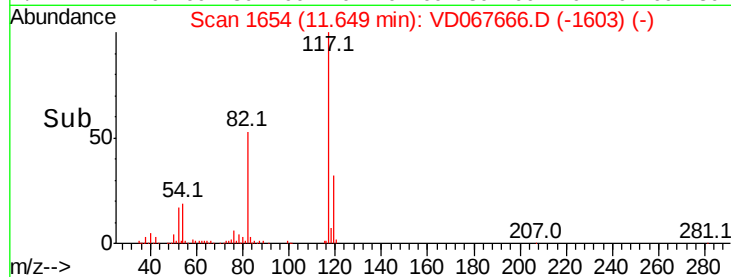
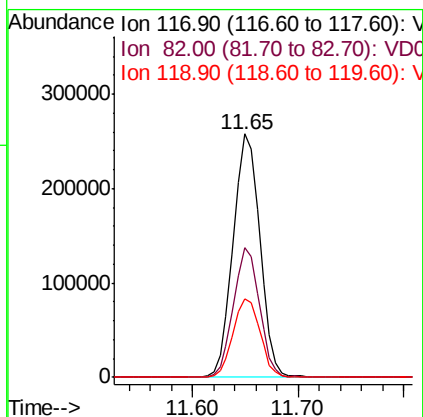
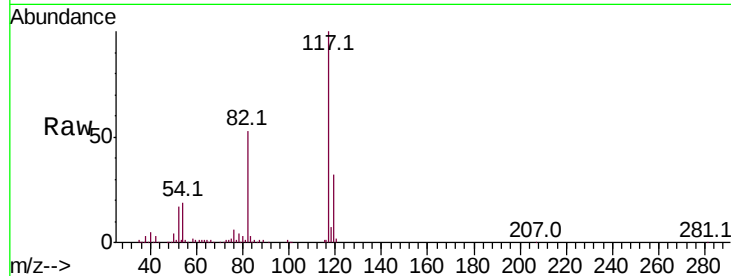




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067666.D
Acq: 17 Nov 2020 16:53

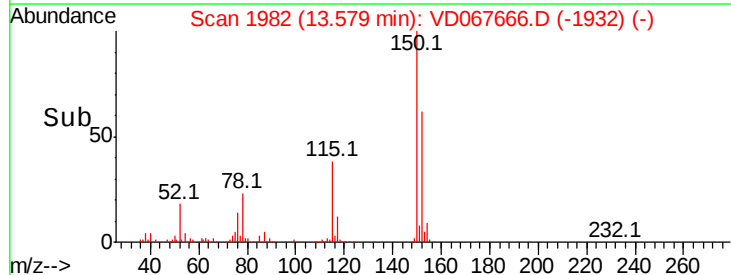
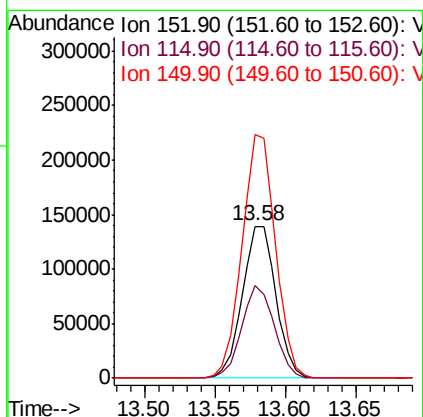
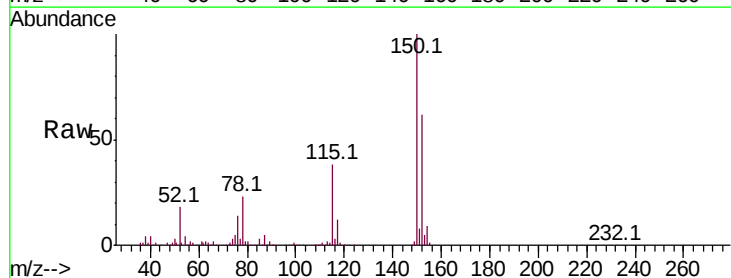
Instrument :
MSVOA_D
ClientSampleId :
ETGI-359RE

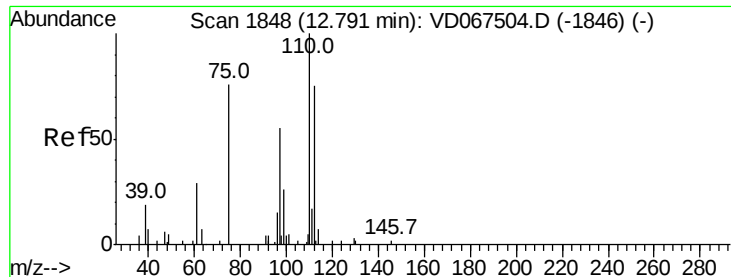
Tot Ion:117 Resp: 451510
Ion Ratio Lower Upper
117 100
82 53.2 41.6 62.4
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067666.D
Acq: 17 Nov 2020 16:53

Tgt Ion:152 Resp: 232273
Ion Ratio Lower Upper
152 100
115 59.2 29.3 88.0
150 159.8 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 73.767 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

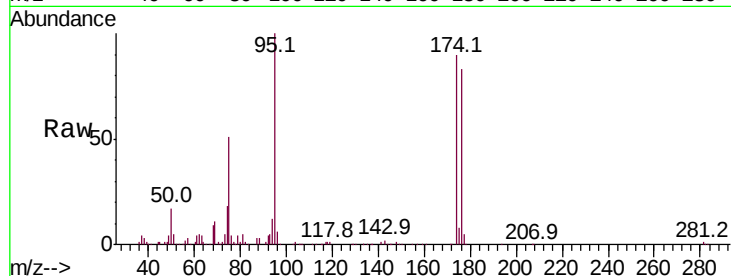
ETGI-359RE

Tot Ion: 75 Resp: 103363

Ion Ratio Lower Upper

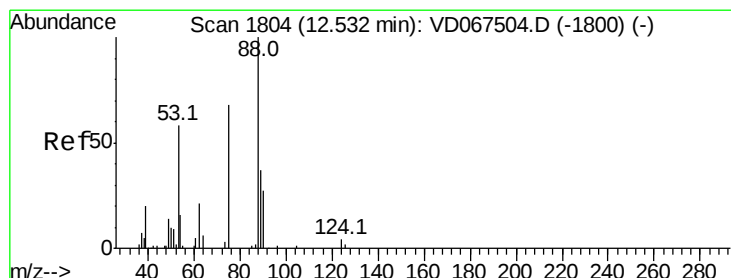
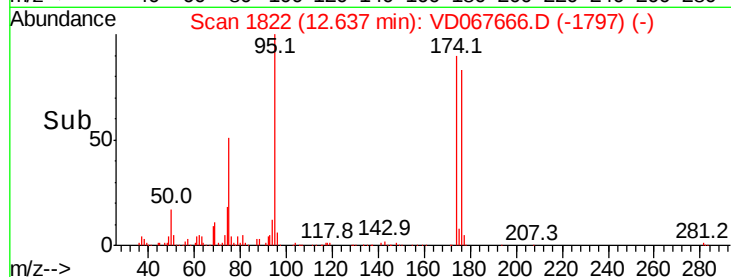
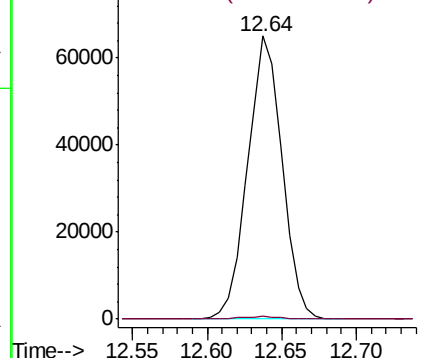
75 100

77 0.8 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: 149.767 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

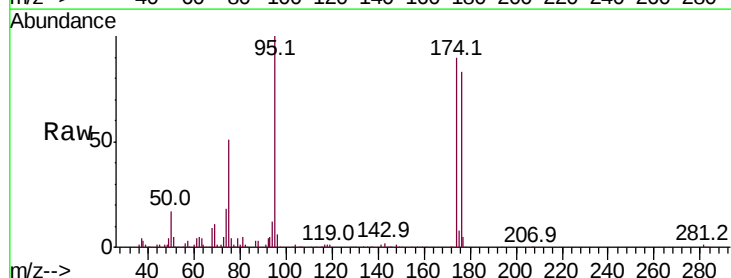
Tgt Ion: 75 Resp: 103363

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

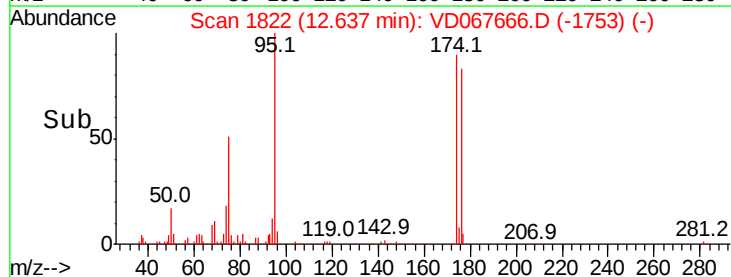
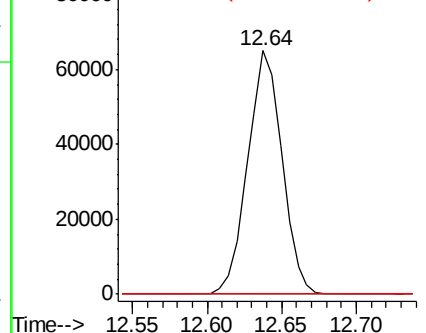
89 0.0 44.6 67.0#

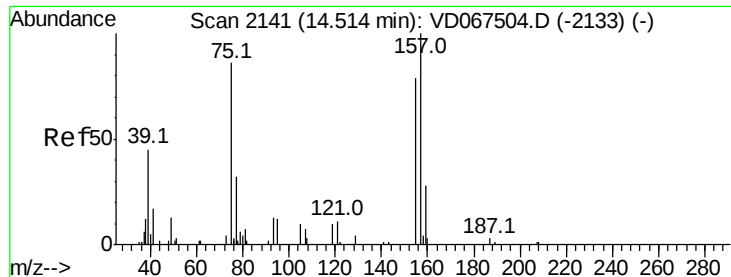


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.035 ug/l

RT: 14.25 min Scan# 2097

Delta R.T. -0.26 min

Lab File: VD067666.D

Acq: 17 Nov 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

ETGI-359RE

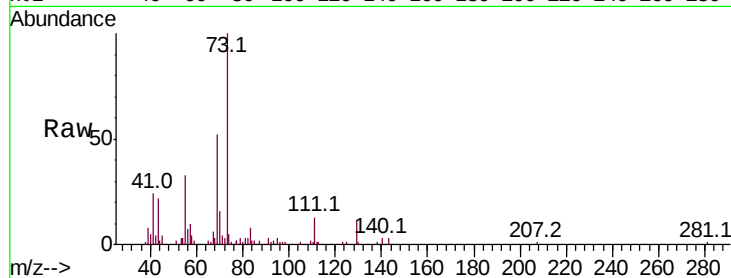
Tot Ion: 75 Resp: 375

Ion Ratio Lower Upper

75 100

155 0.0 46.6 139.8#

157 0.0 58.1 174.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

