

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
 Data File : VD063617.D
 Acq On : 15 Aug 2019 20:33
 Operator : JC/SY
 Sample : K4329-01RE
 Misc : 3.98g/5ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-292RE

Quant Time: Aug 16 01:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	603065	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	725595	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	349226	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	48441	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	349224	54.17	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	108.34%	
35) Dibromofluoromethane	6.91	113	423775	69.35	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	138.70%	
50) Toluene-d8	10.39	98	674523	50.21	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	13.55	95	108708	17.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.70%	

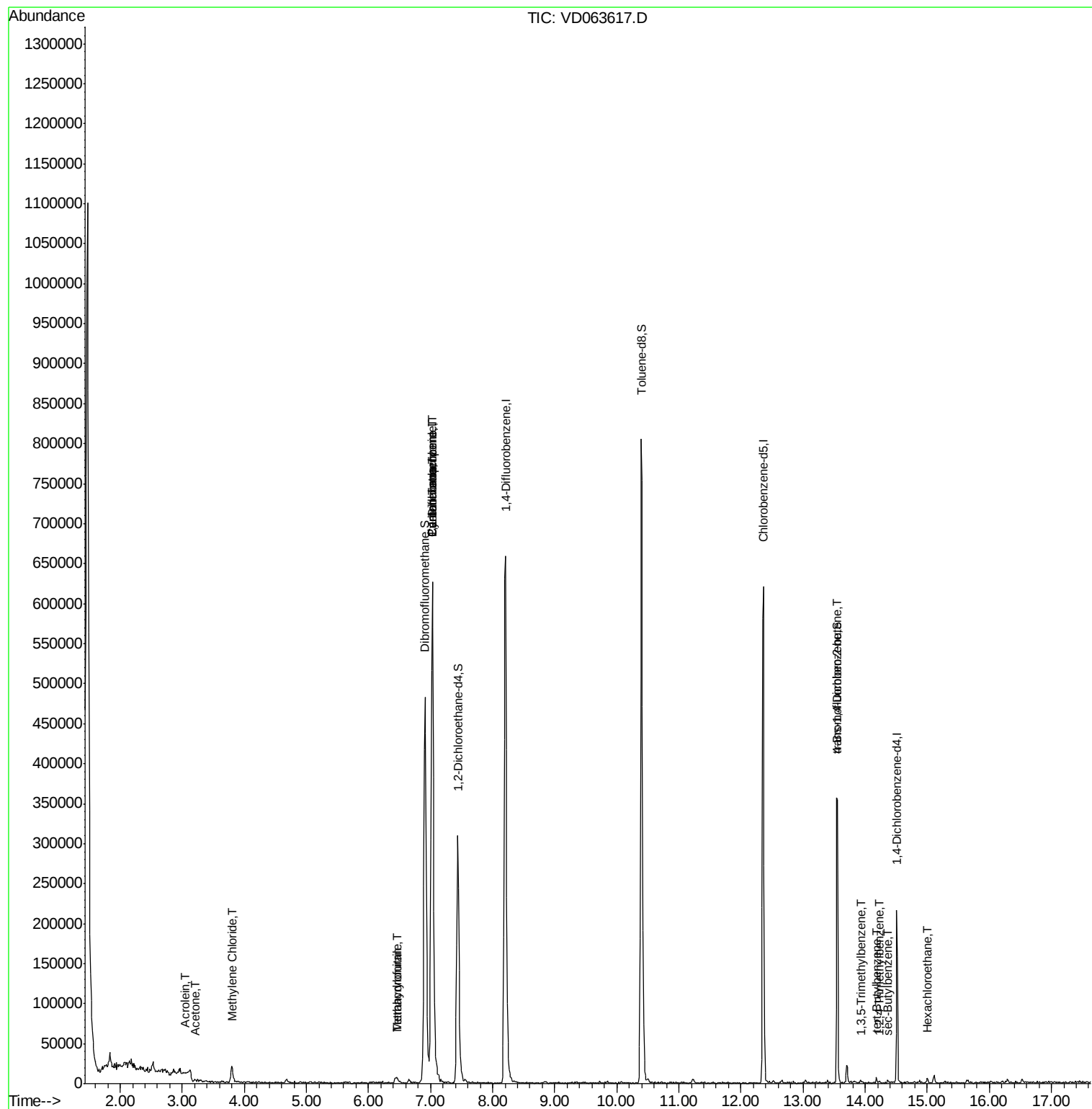
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.04	56	512	1.854	ug/l #	18
16) Acetone	3.22	43	3063	2.337	ug/l #	65
20) Methylene Chloride	3.80	84	13247	2.338	ug/l #	89
29) Tetrahydrofuran	6.46	42	6304	10.453	ug/l #	88
31) Cyclohexane	7.03	56	12982	2.230	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	45460	7.087	ug/l #	47
38) Carbon Tetrachloride	7.04	117	59221	6.126	ug/l #	17
41) Methacrylonitrile	6.46	41	4416	1.305	ug/l #	59
80) 1,3,5-Trimethylbenzene	13.93	105	3049	1.133	ug/l	75
81) trans-1,4-Dichloro-2-buten	13.54	75	48031	321.444	ug/l #	1
83) tert-Butylbenzene	14.18	119	3247	1.145	ug/l	74
84) 1,2,4-Trimethylbenzene	14.23	105	2605	1.046	ug/l #	61
85) sec-Butylbenzene	14.36	105	3103	1.031	ug/l #	65
90) Hexachloroethane	15.00	117	1060	1.465	ug/l	81

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

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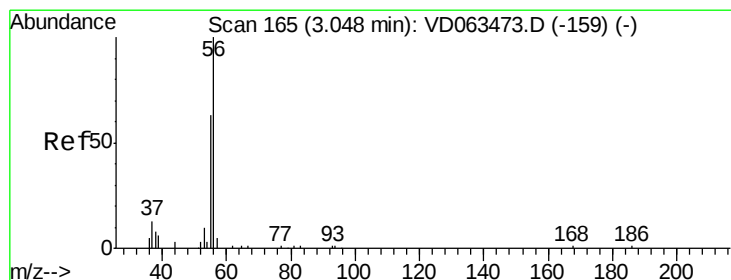
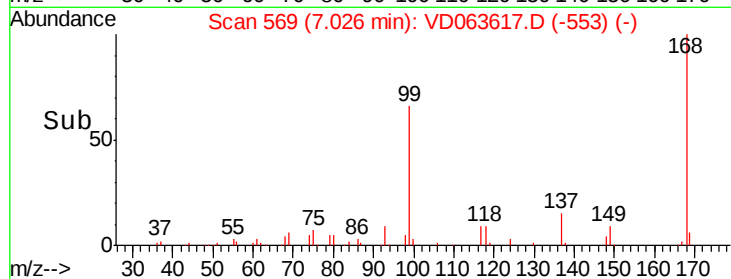
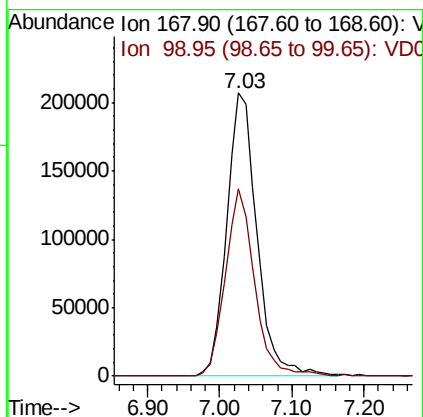
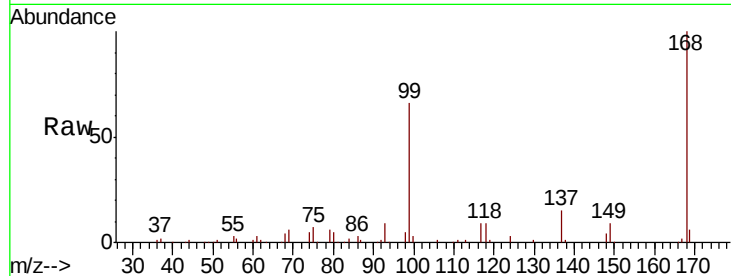




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.04 min
Lab File: VD063617.D
Acq: 15 Aug 2019 20:33

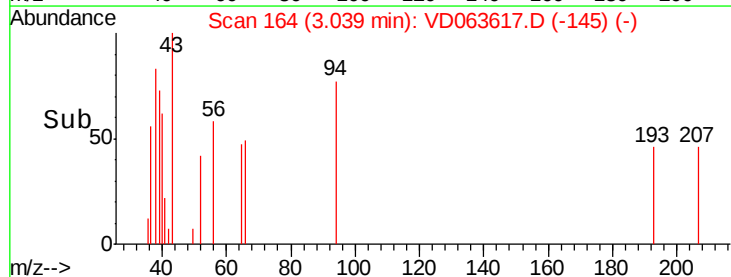
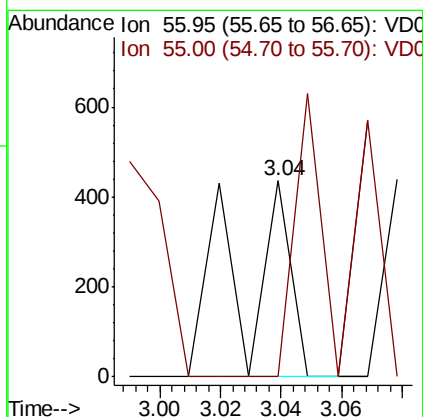
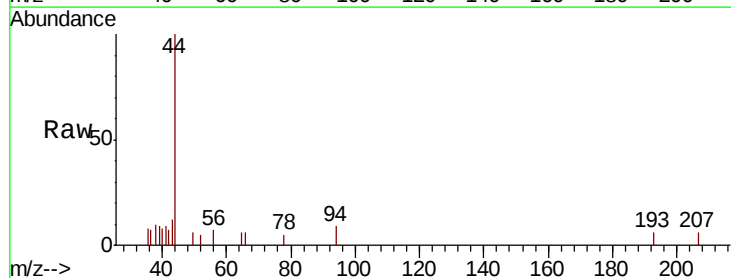
Instrument :
MSVOA_D
ClientSampleId :
ETGI-292RE

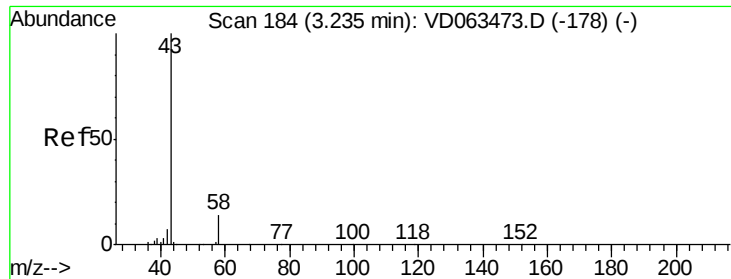
Tgt Ion: 168 Resp: 603065
Ion Ratio Lower Upper
168 100
99 66.3 46.7 70.1



#13
Acrolein
Concen: 1.854 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD063617.D
Acq: 15 Aug 2019 20:33

Tgt Ion: 56 Resp: 512
Ion Ratio Lower Upper
56 100
55 0.0 51.3 76.9#





#16

Acetone

Concen: 2.337 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

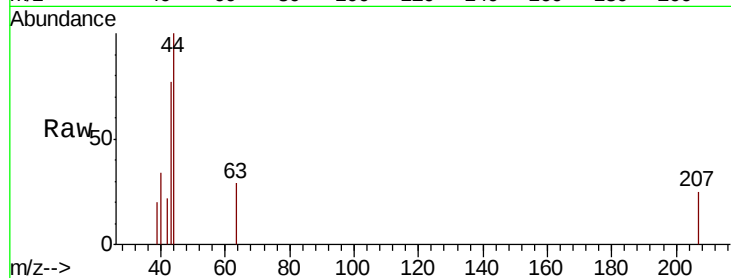
ETGI-292RE

Tgt Ion: 43 Resp: 3063

Ion Ratio Lower Upper

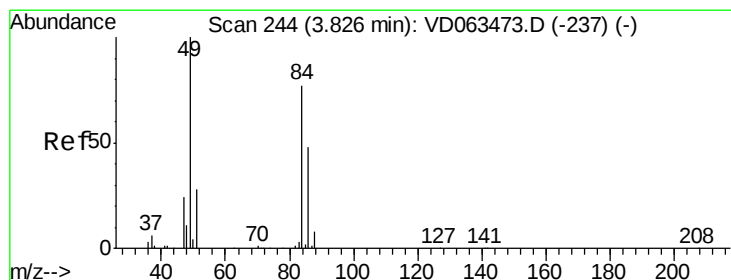
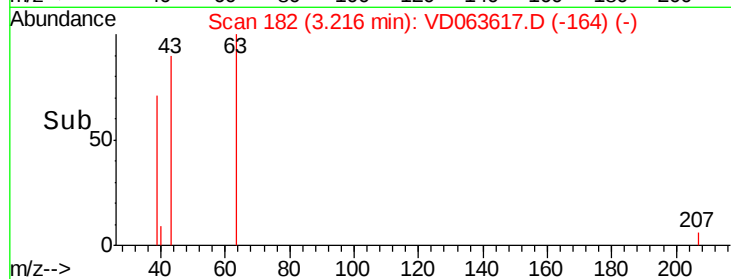
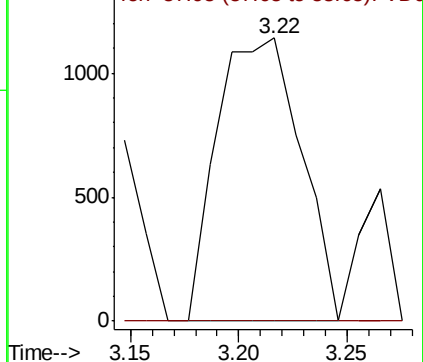
43 100

58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.338 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

Tgt Ion: 84 Resp: 13247

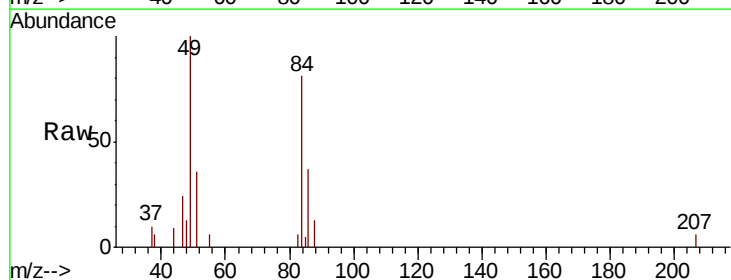
Ion Ratio Lower Upper

84 100

49 123.0 103.4 155.2

51 44.8 28.5 42.7#

86 45.1 49.4 74.2#

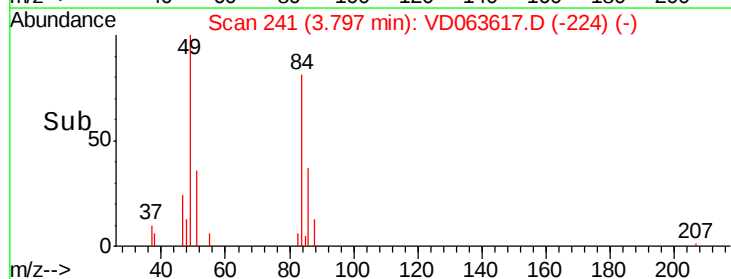
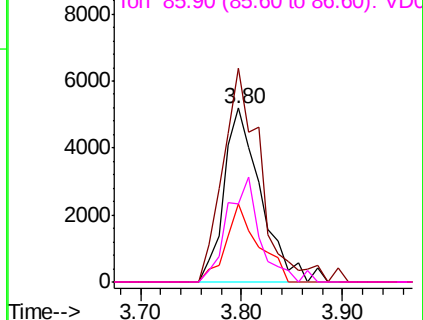


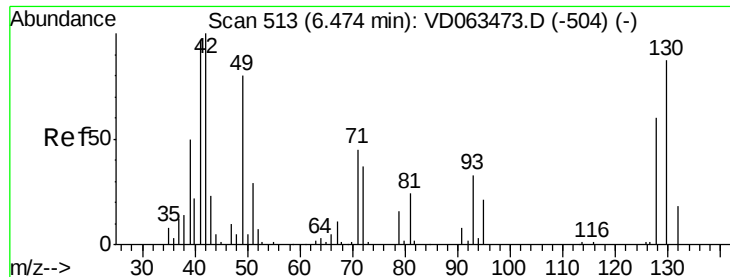
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 10.453 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

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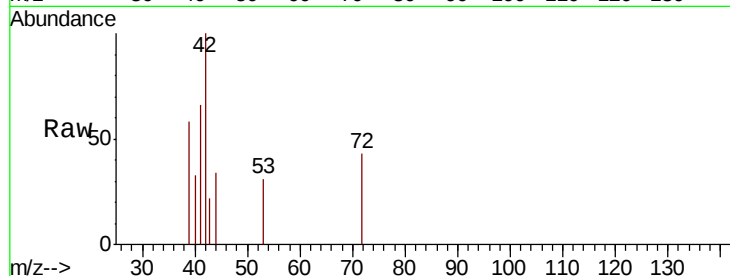
Tgt Ion: 42 Resp: 6304

Ion Ratio Lower Upper

42 100

72 37.2 31.5 47.3

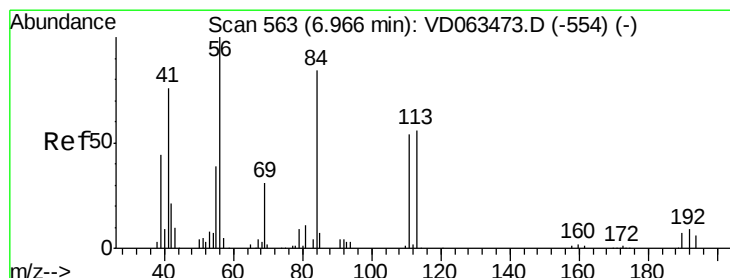
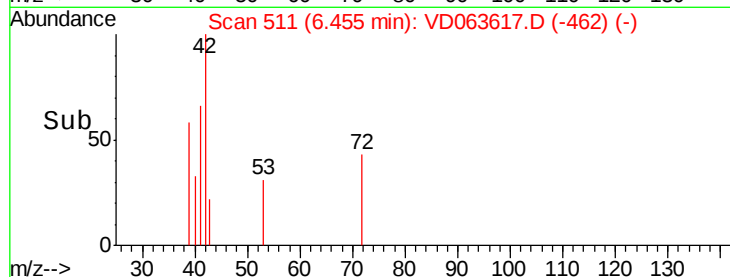
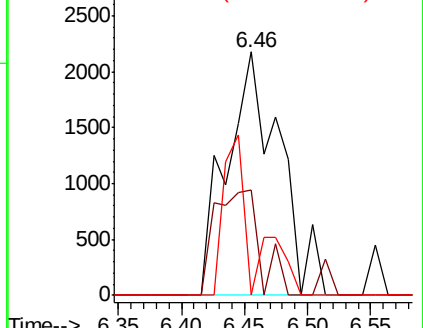
71 29.4 33.8 50.8#



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: 2.230 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

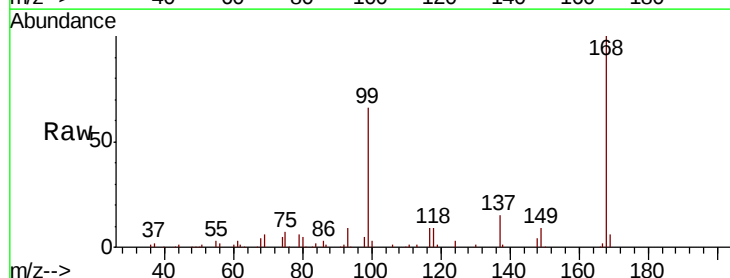
Tgt Ion: 56 Resp: 12982

Ion Ratio Lower Upper

56 100

69 262.1 25.0 37.6#

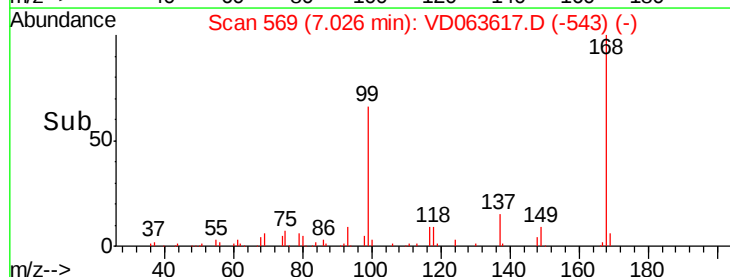
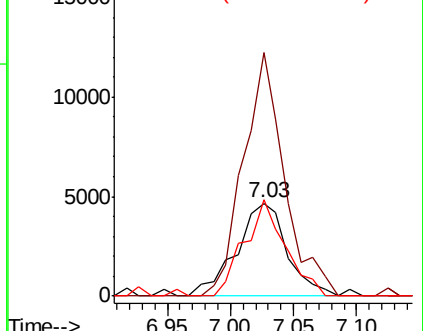
84 103.6 69.7 104.5

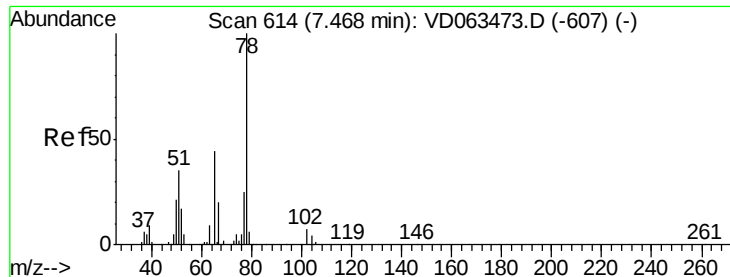


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

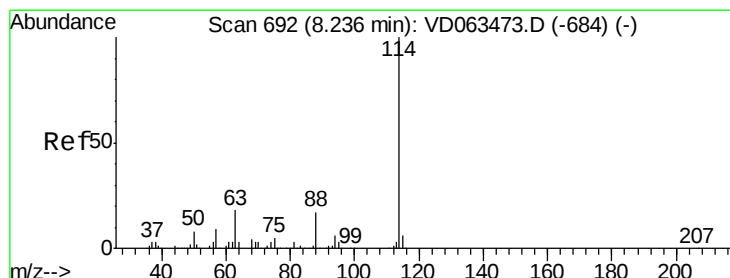
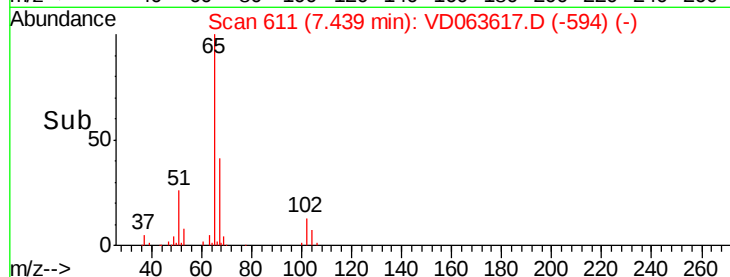
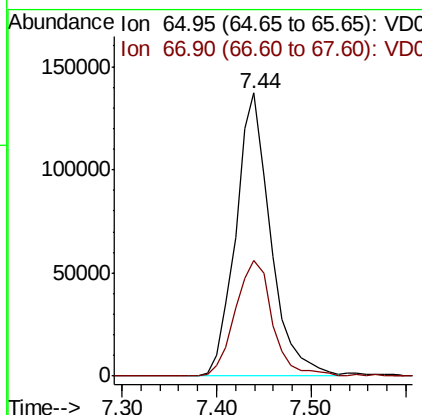
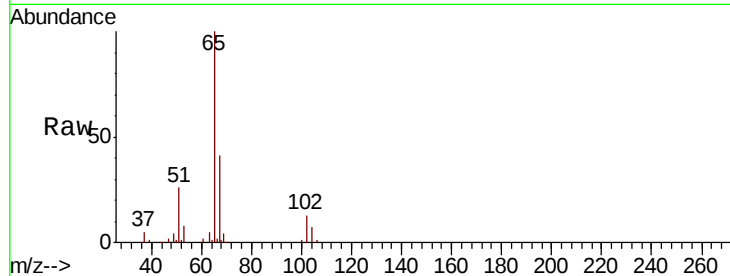




#33
 1,2-Dichloroethane-d4
 Concen: 54.174 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063617.D
 Acq: 15 Aug 2019 20:33

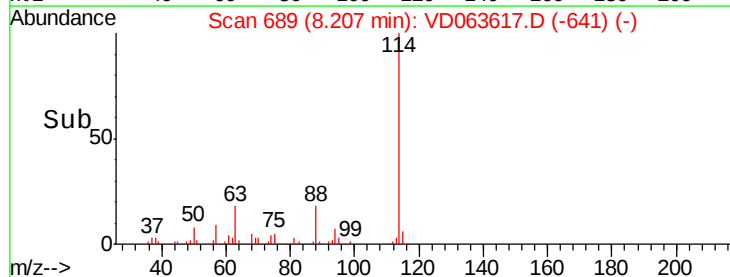
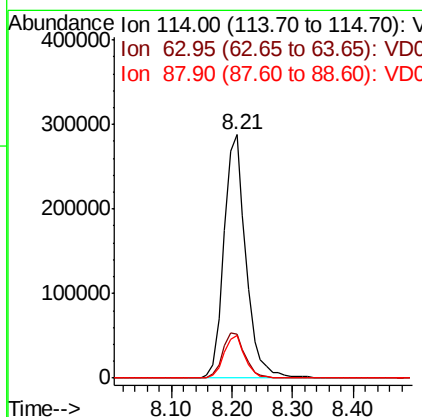
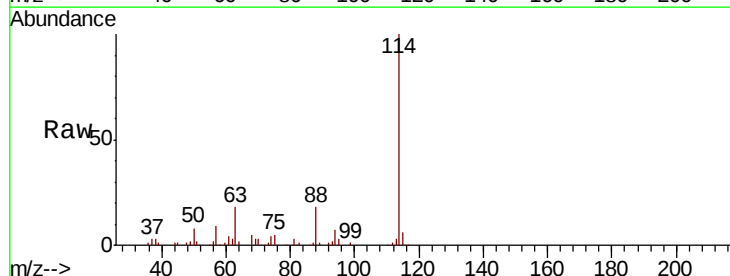
Instrument :
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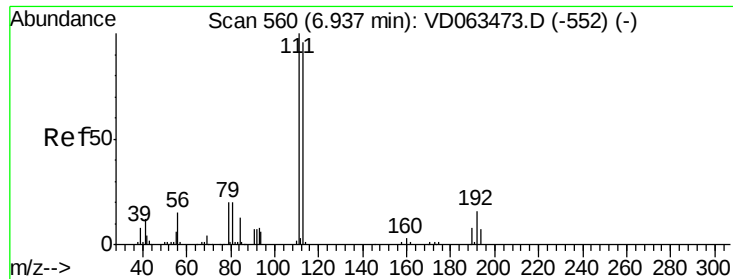
Tgt Ion: 65 Resp: 349224
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063617.D
 Acq: 15 Aug 2019 20:33

Tgt Ion: 114 Resp: 725595
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 17.7 0.0 35.0

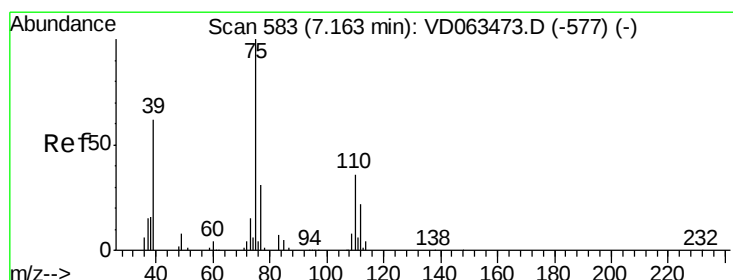
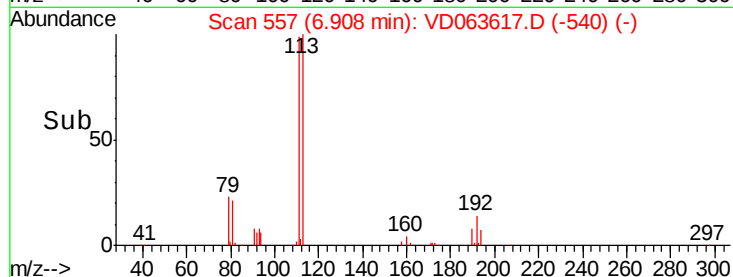
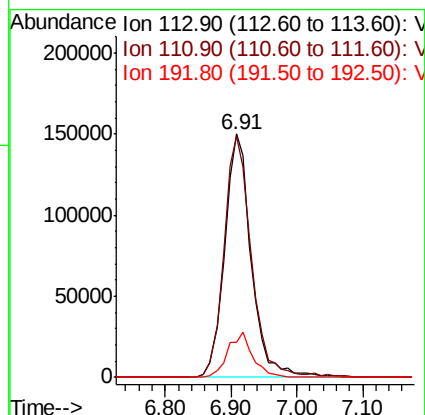
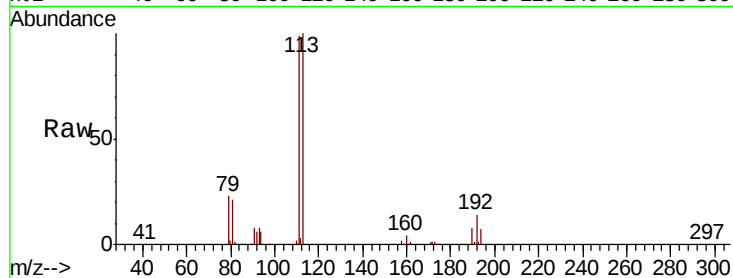




#35
 Dibromofluoromethane
 Concen: 69.346 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063617.D
 Acq: 15 Aug 2019 20:33

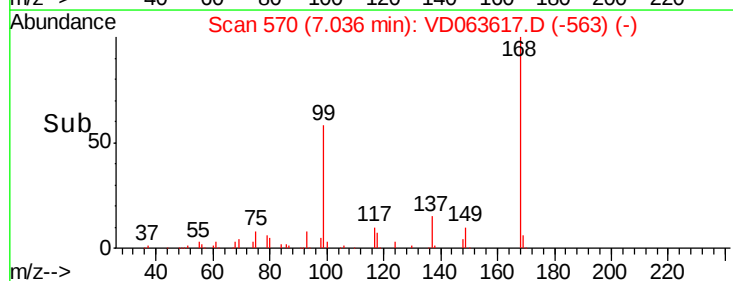
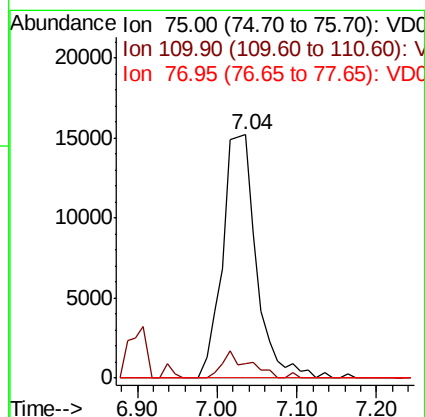
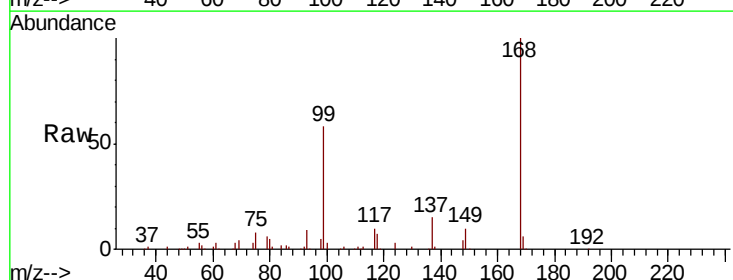
Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-292RE

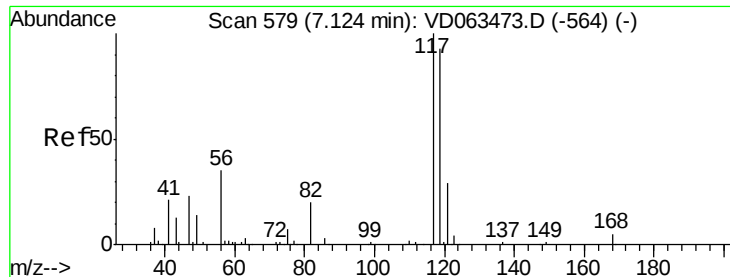
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.1	83.1	124.7
192	14.3	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 7.087 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063617.D
 Acq: 15 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.9	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

ETGI-292RE

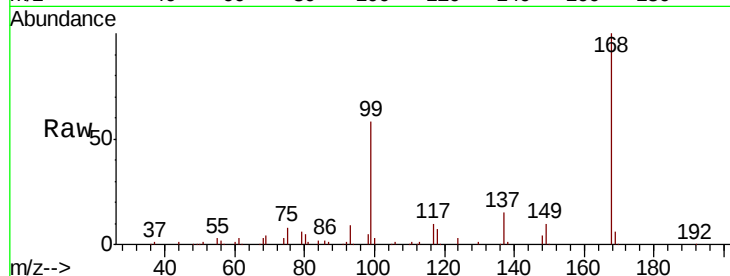
Tgt Ion:117 Resp: 59221

Ion Ratio Lower Upper

117 100

119 4.4 74.2 111.2#

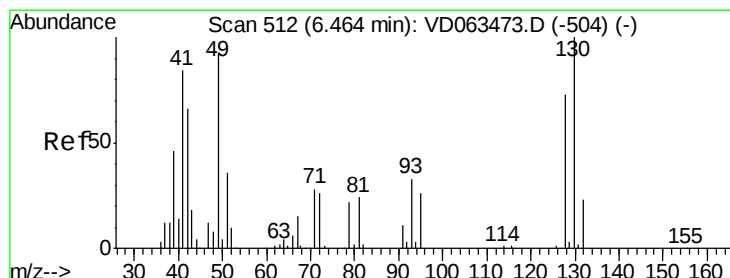
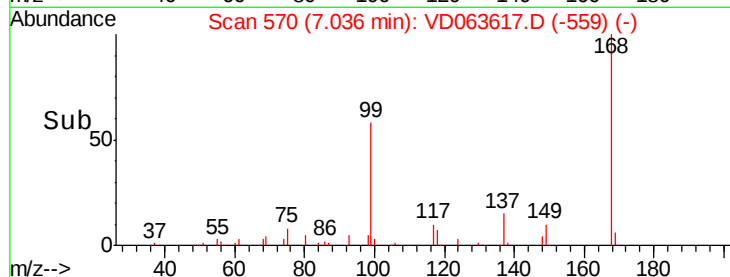
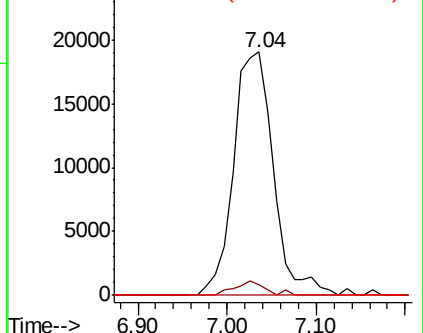
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#41

Methacrylonitrile

Concen: 1.305 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

Tgt Ion: 41 Resp: 4416

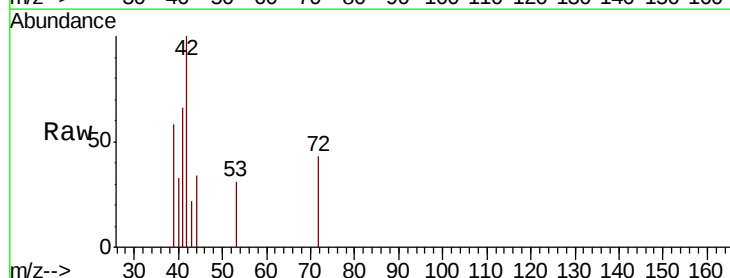
Ion Ratio Lower Upper

41 100

39 87.4 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

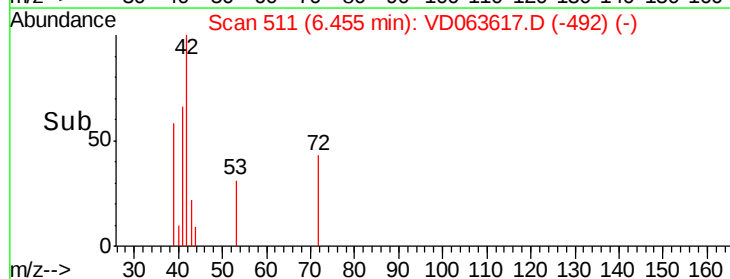
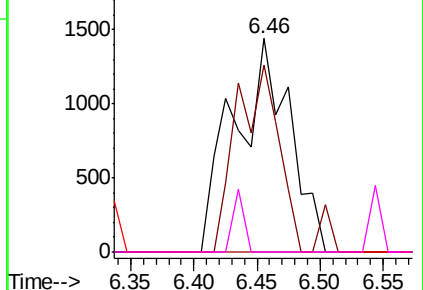


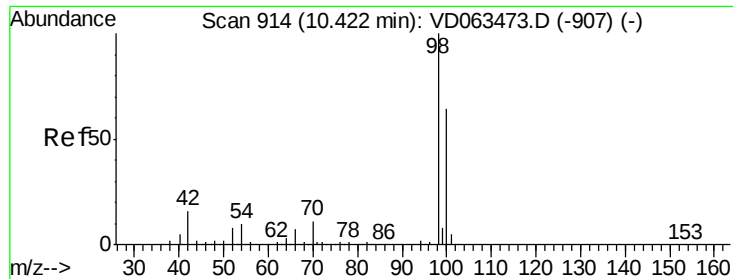
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

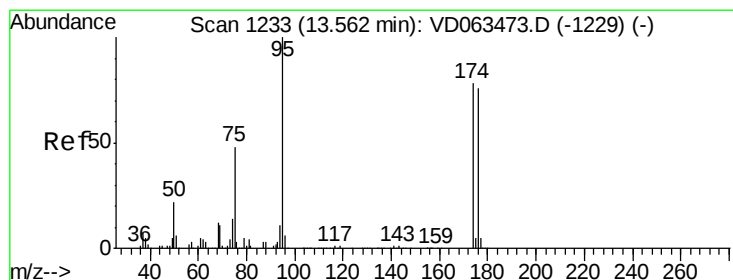
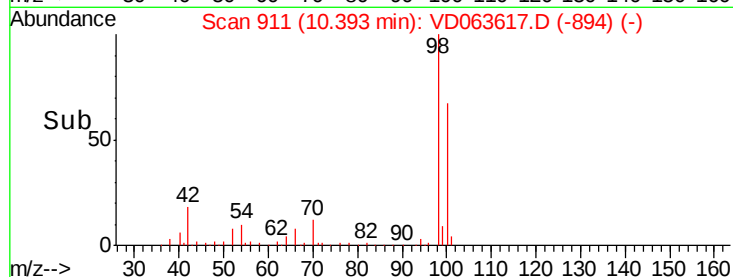
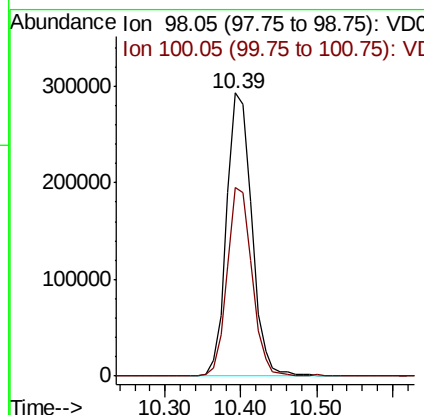
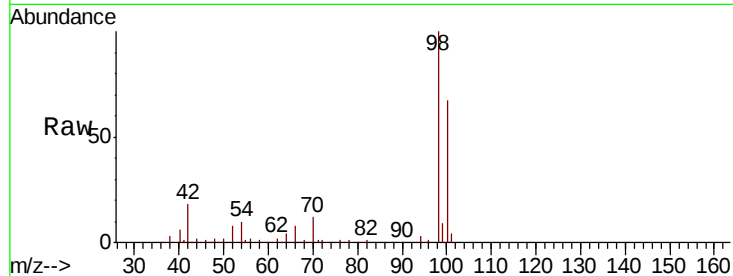




#50
Toluene-d8
Concen: 50.205 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD063617.D
Acq: 15 Aug 2019 20:33

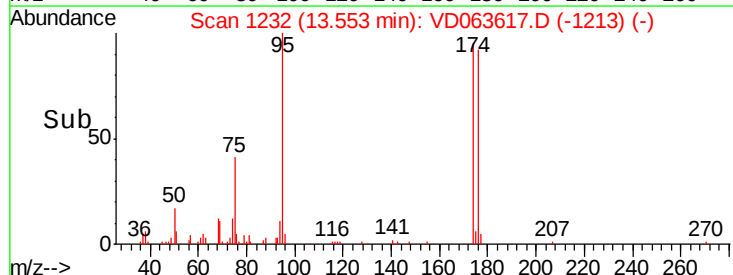
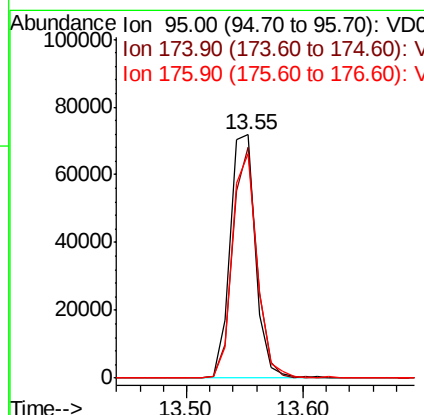
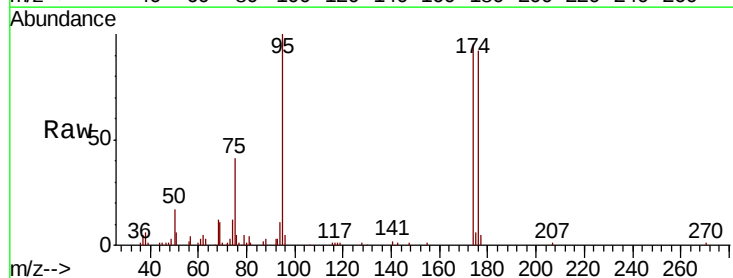
Instrument :
MSVOA_D
ClientSampleId :
ETGI-292RE

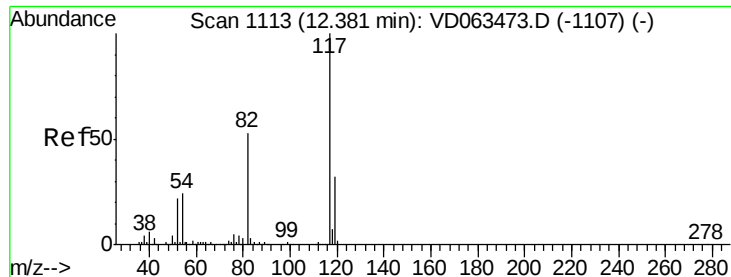
Tgt Ion: 98 Resp: 674523
Ion Ratio Lower Upper
98 100
100 66.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 17.852 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063617.D
Acq: 15 Aug 2019 20:33

Tgt Ion: 95 Resp: 108708
Ion Ratio Lower Upper
95 100
174 94.8 0.0 155.4
176 91.9 0.0 152.4

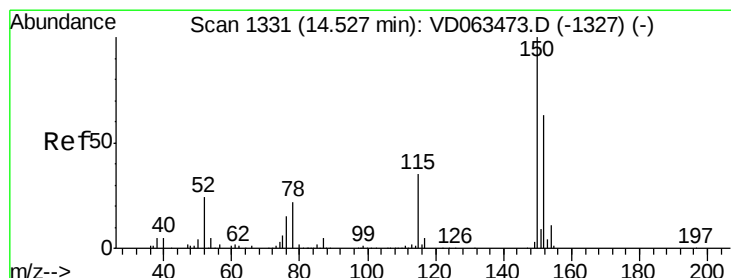
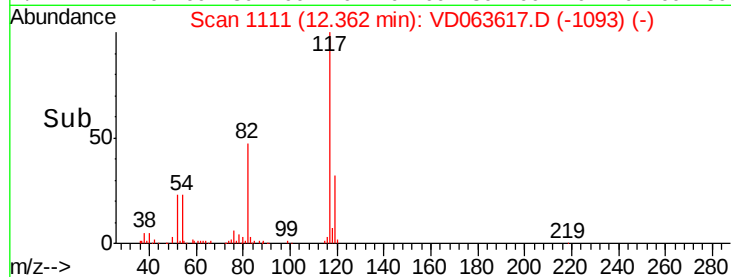
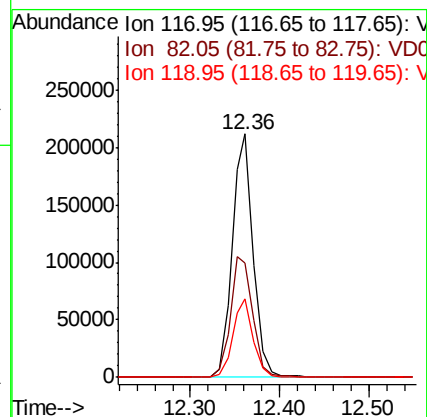
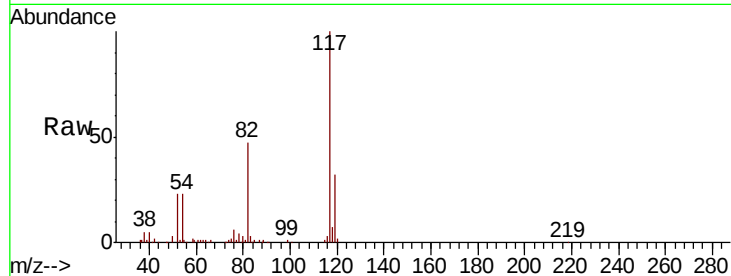




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063617.D
Acq: 15 Aug 2019 20:33

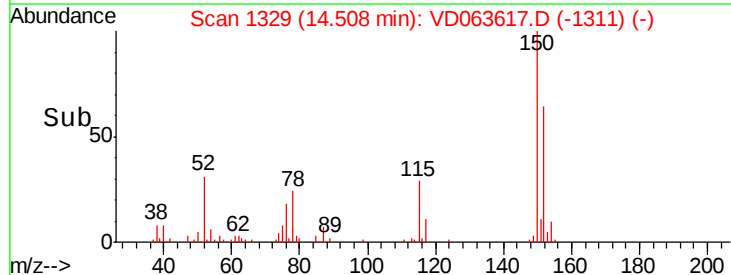
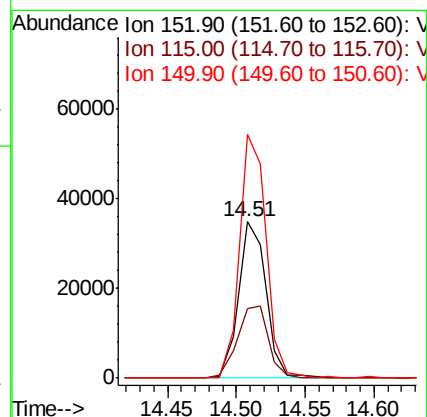
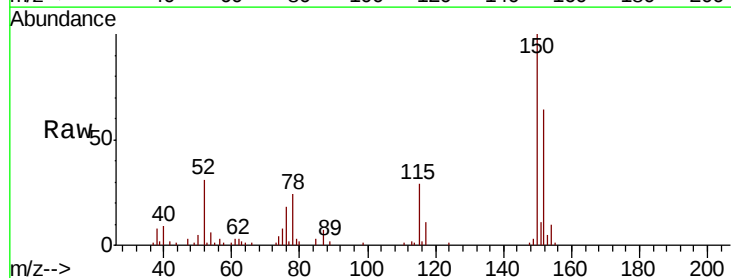
Instrument :
MSVOA_D
ClientSampleId :
ETGI-292RE

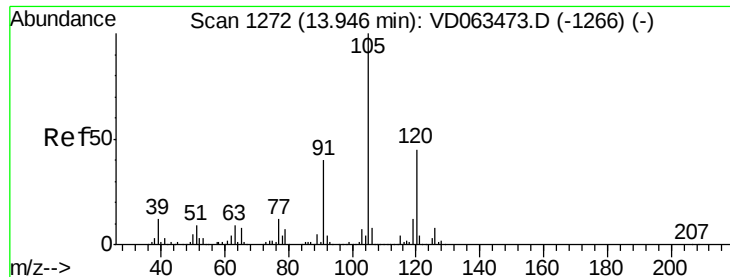
Tgt Ion:117 Resp: 349226
Ion Ratio Lower Upper
117 100
82 47.1 42.0 63.0
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063617.D
Acq: 15 Aug 2019 20:33

Tgt Ion:152 Resp: 48441
Ion Ratio Lower Upper
152 100
115 44.8 30.9 92.7
150 156.0 0.0 318.6





#80

1,3,5-Trimethylbenzene

Concen: 1.133 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

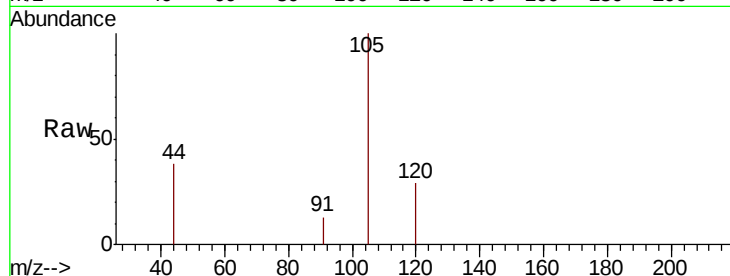
ETGI-292RE

Tgt Ion:105 Resp: 3049

Ion Ratio Lower Upper

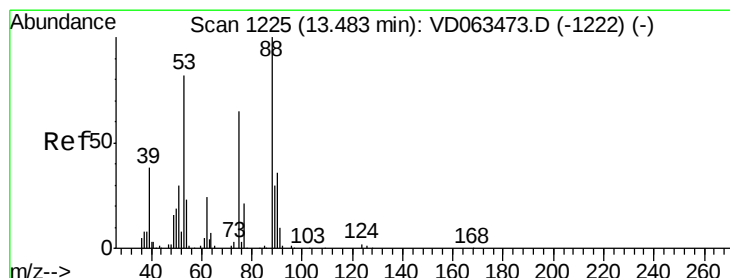
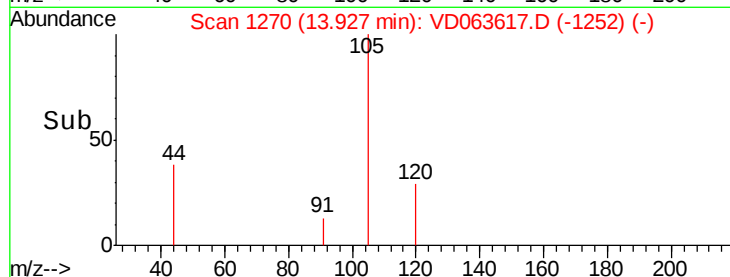
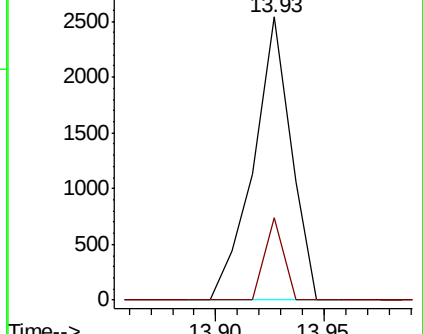
105 100

120 29.3 22.8 68.3



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: 321.444 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

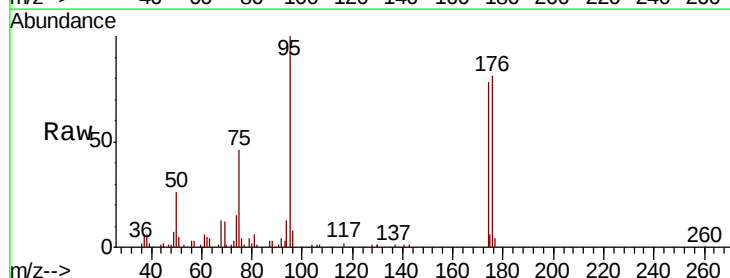
Tgt Ion: 75 Resp: 48031

Ion Ratio Lower Upper

75 100

53 1.3 101.0 151.4#

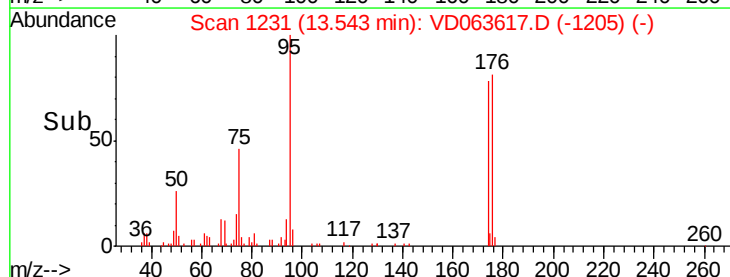
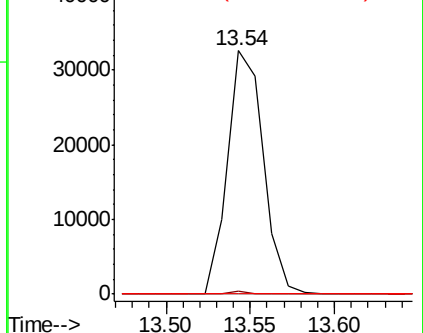
89 0.0 37.0 55.6#

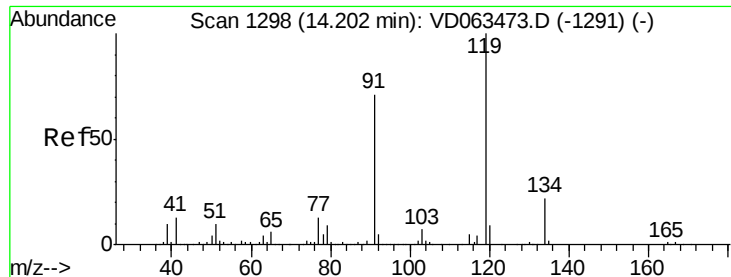


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

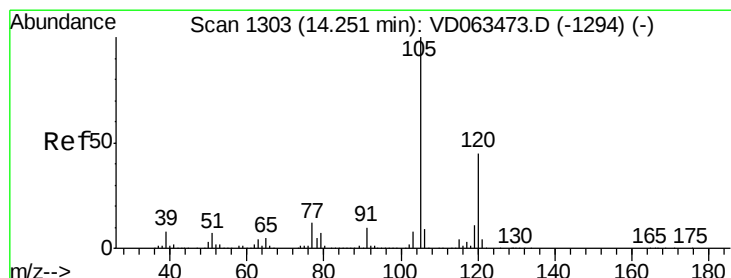
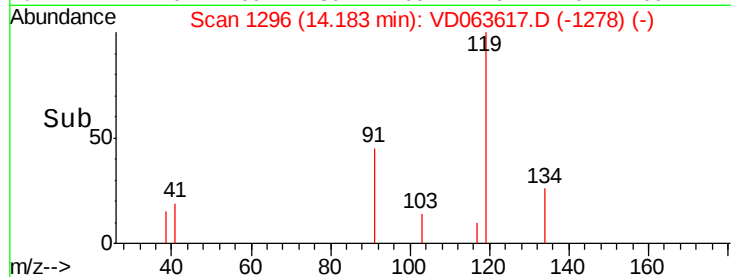
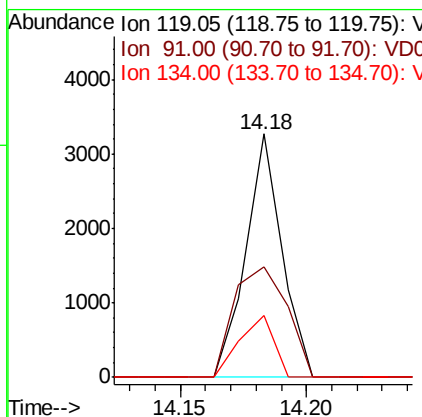
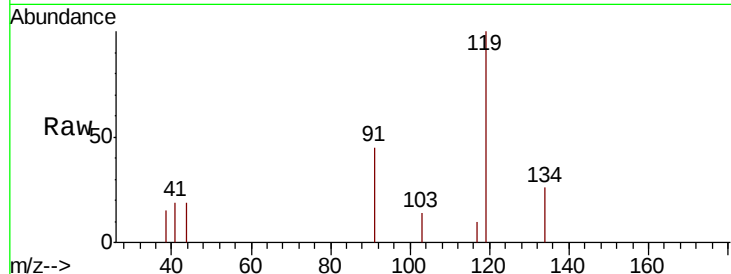




#83
 tert-Butylbenzene
 Concen: 1.145 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: VD063617.D
 Acq: 15 Aug 2019 20:33

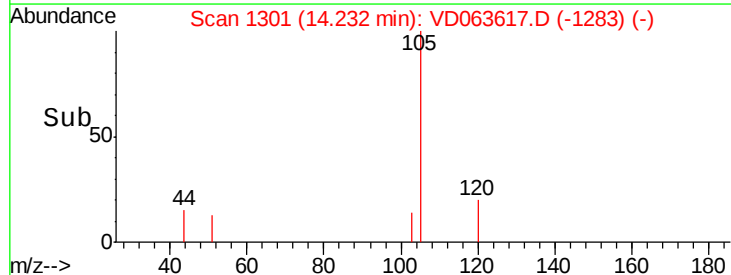
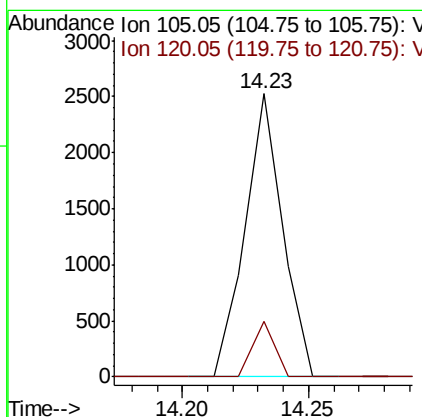
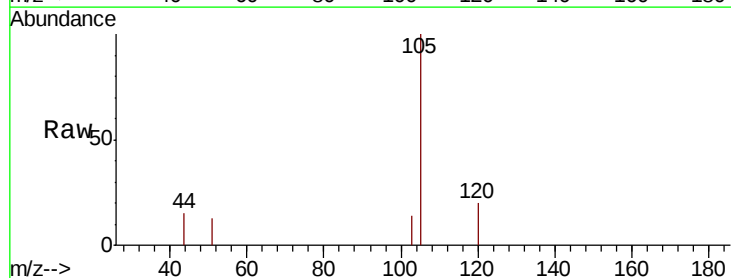
Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-292RE

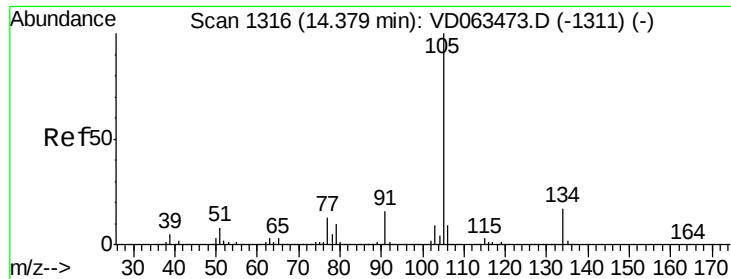
Tgt Ion:	119	Resp:	3247
Ion	Ratio	Lower	Upper
119	100		
91	45.3	35.5	106.7
134	25.6	11.1	33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.046 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063617.D
 Acq: 15 Aug 2019 20:33

Tgt Ion:	105	Resp:	2605
Ion	Ratio	Lower	Upper
105	100		
120	19.7	22.7	68.1#





#85

sec-Butylbenzene

Concen: 1.031 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD063617.D

Acq: 15 Aug 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

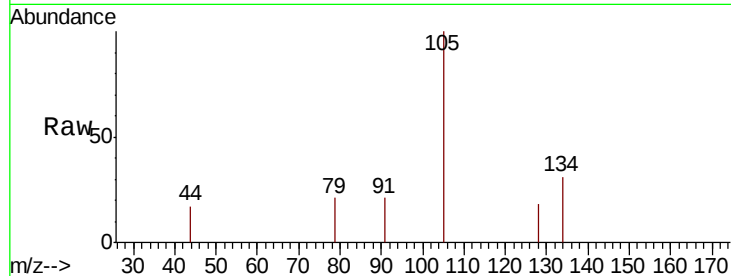
ETGI-292RE

Tgt Ion:105 Resp: 3103

Ion Ratio Lower Upper

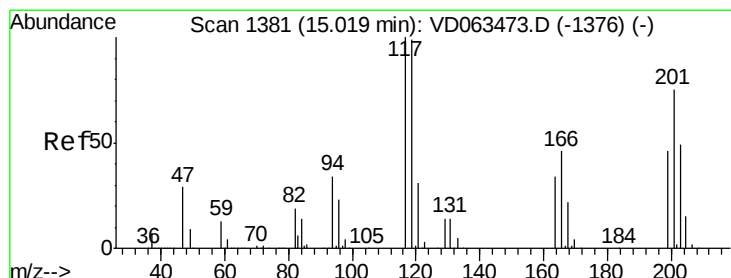
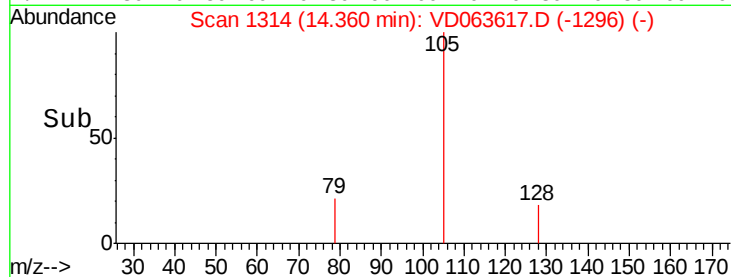
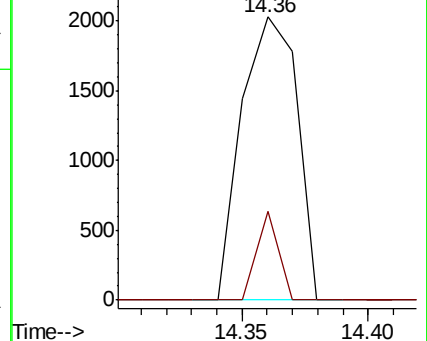
105 100

134 31.3 8.3 24.8#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 1.465 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063617.D

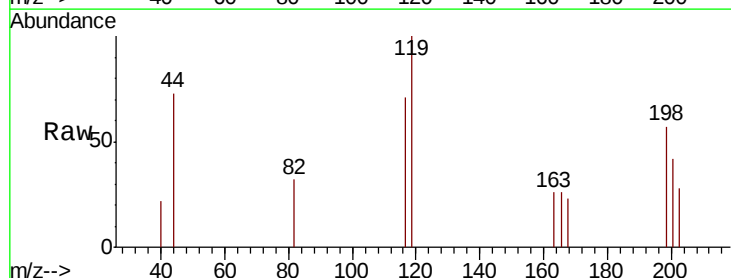
Acq: 15 Aug 2019 20:33

Tgt Ion:117 Resp: 1060

Ion Ratio Lower Upper

117 100

201 58.6 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

