

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066031.D
 Acq On : 23 Jul 2020 18:20
 Operator : VA/SY
 Sample : L3379-01
 Misc : 6.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-361

Quant Time: Jul 24 03:08:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	302734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	492713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221562	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	126812	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.96%		
35) Dibromofluoromethane	7.92	113	144171	49.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.48%		
50) Toluene-d8	10.34	98	586574	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.56%		
62) 4-Bromofluorobenzene	12.64	95	214822	56.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.62%		

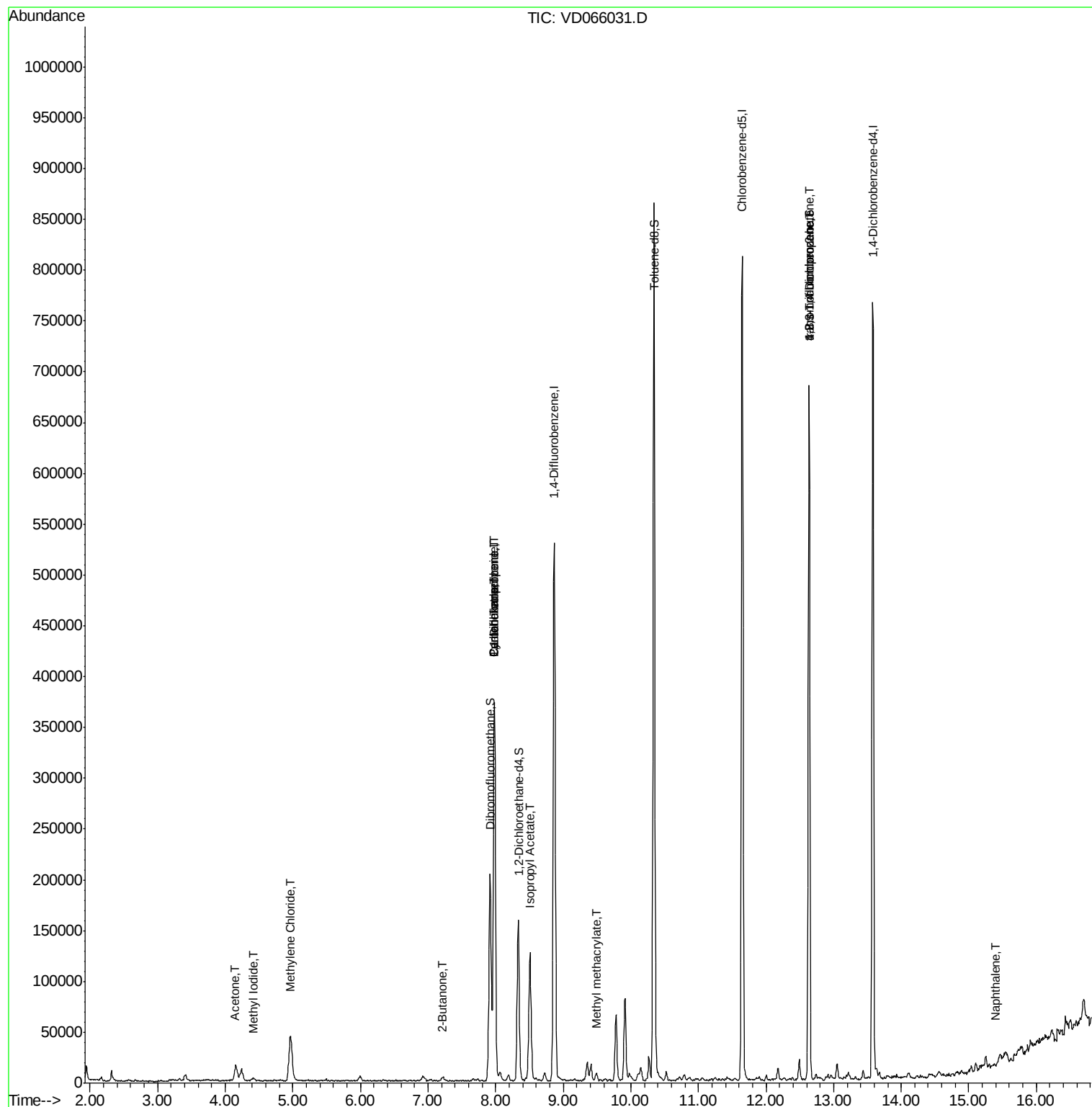
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.80	94	74	Below Cal	#	4
10) Methyl Iodide	4.42	142	55	8.830	ug/l #	42
11) Tert butyl alcohol	5.23	59	295	Below Cal	#	83
16) Acetone	4.16	43	28874	57.909	ug/l #	85
20) Methylene Chloride	4.97	84	35066	10.369	ug/l	97
25) 2-Butanone	7.21	43	5972	9.026	ug/l	99
31) Cyclohexane	7.98	56	6519	1.471	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	20110	4.882	ug/l #	50
38) Carbon Tetrachloride	7.98	117	28194	6.308	ug/l #	19
43) Isopropyl Acetate	8.51	43	23629	7.690	ug/l #	49
48) Methyl methacrylate	9.50	41	2084	1.345	ug/l #	47
76) 1,2,3-Trichloropropane	12.64	75	110017	65.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110017	151.327	ug/l #	11
95) Naphthalene	15.39	128	1010	3.681	ug/l #	68

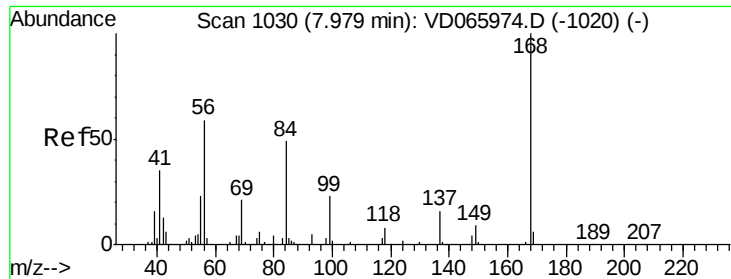
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

Instrument :

MSVOA_D

ClientSampleId :

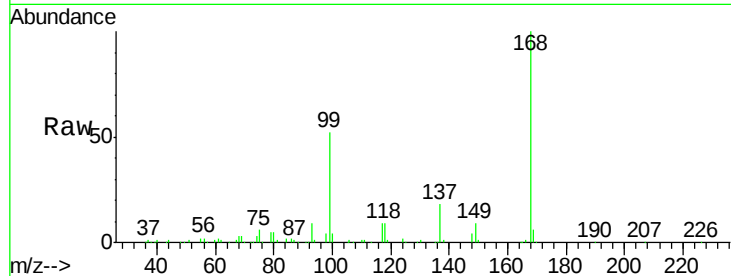
ETGI-361

Tot Ion:168 Resp: 302734

Ion Ratio Lower Upper

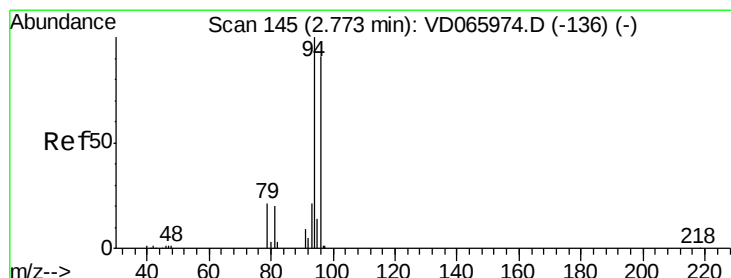
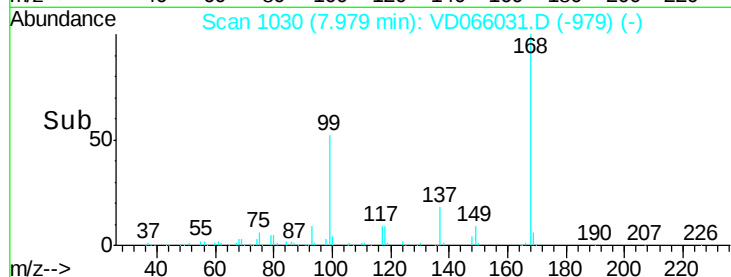
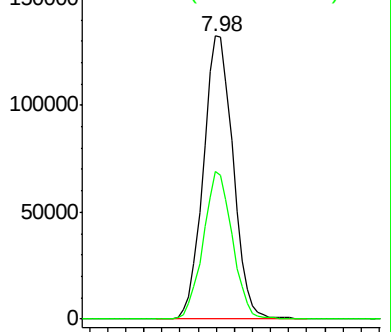
168 100

99 52.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD066031.D

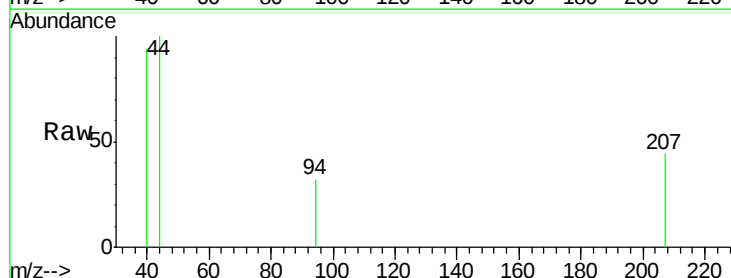
Acq: 23 Jul 2020 18:20

Tgt Ion: 94 Resp: 74

Ion Ratio Lower Upper

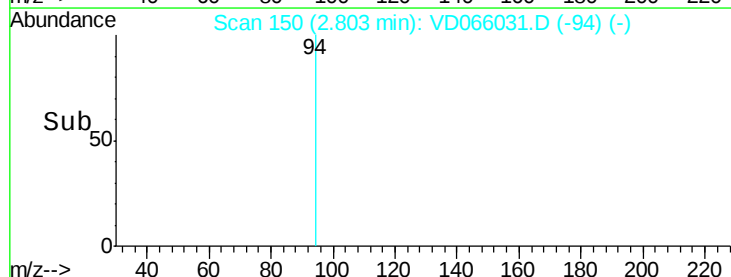
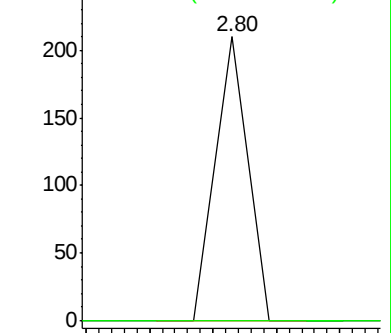
94 100

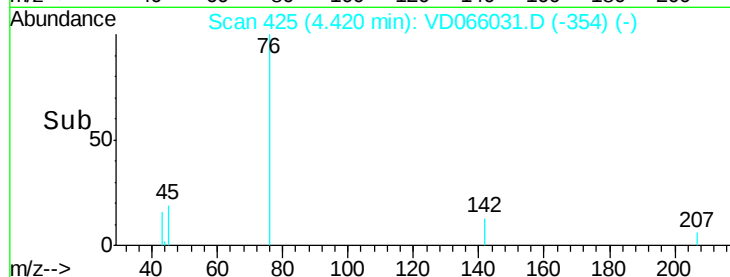
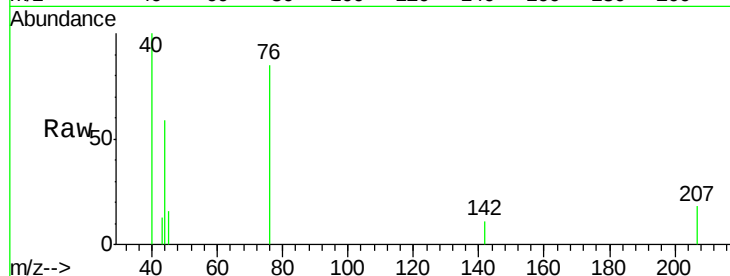
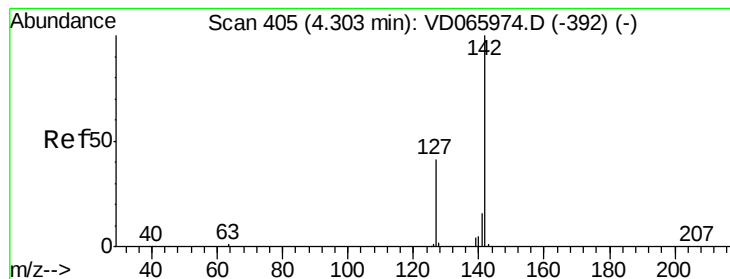
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#10

Methyl Iodide

Concen: 8.830 ug/l

RT: 4.42 min Scan# 425

Delta R.T. 0.12 min

Lab File: VD066031.D

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Instrument :

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ClientSampleId :

ETGI-361

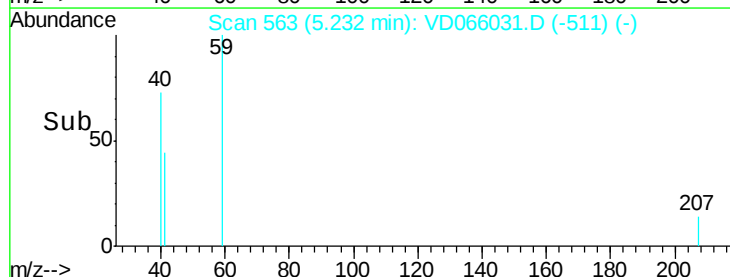
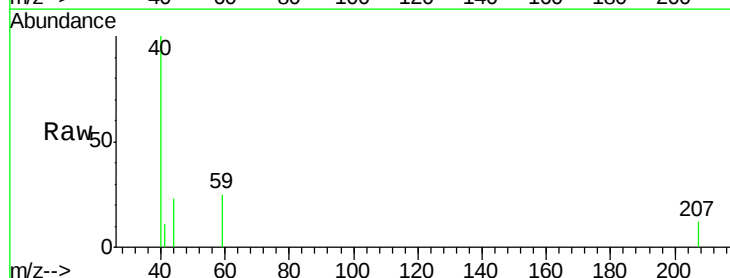
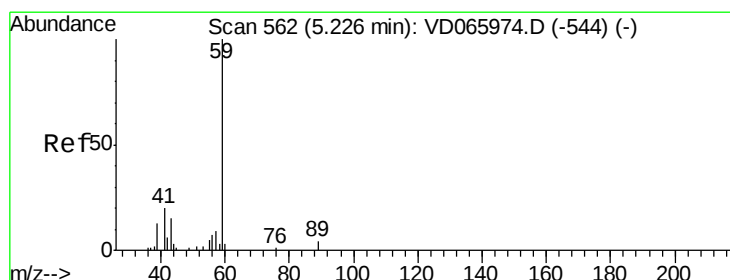
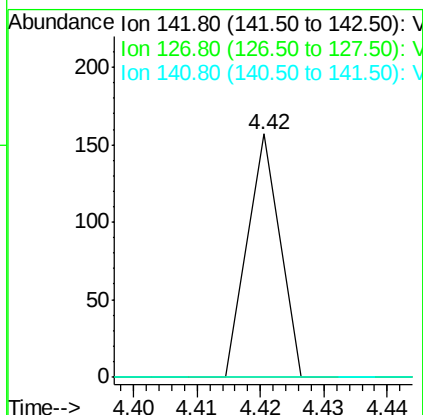
Tot Ion: 142 Resp: 55

Ion Ratio Lower Upper

142 100

127 0.0 32.9 49.3#

141 0.0 11.8 17.6#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD066031.D

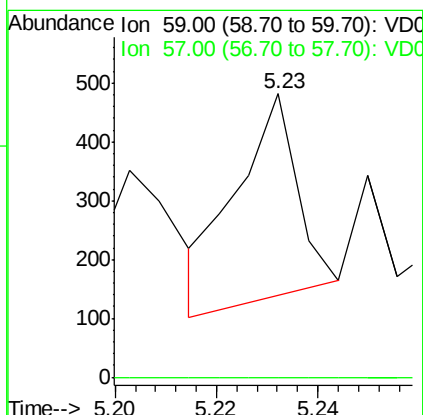
Acq: 23 Jul 2020 18:20

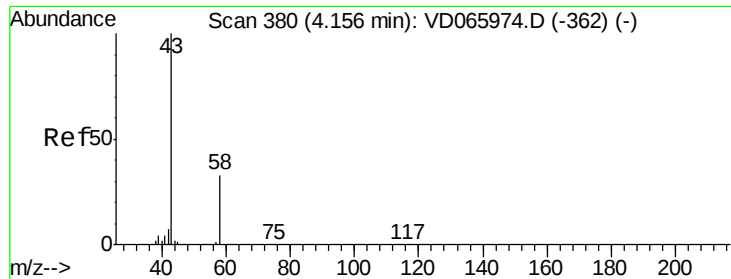
Tgt Ion: 59 Resp: 295

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#





#16

Acetone

Concen: 57.909 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

Instrument :

MSVOA_D

ClientSampleId :

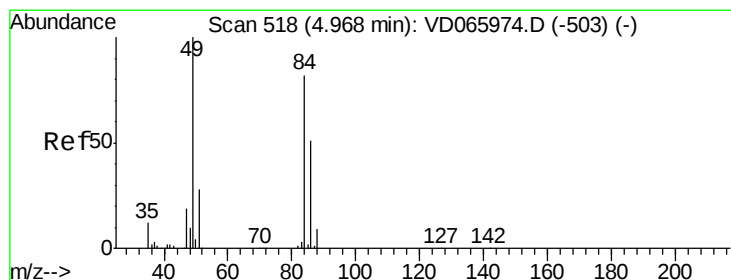
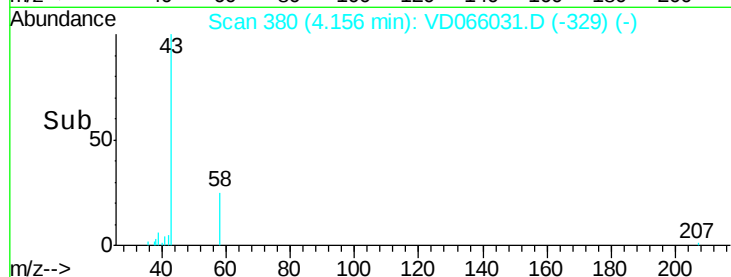
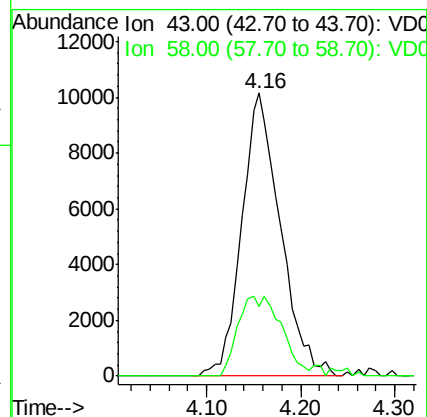
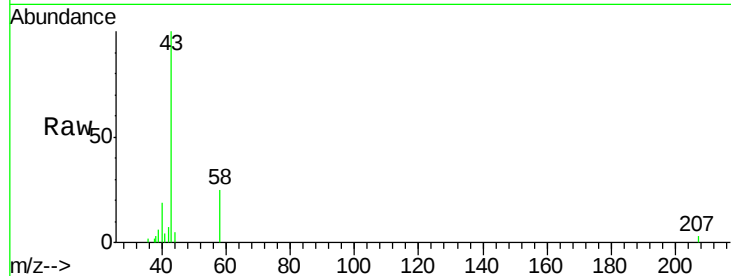
ETGI-361

Tot Ion: 43 Resp: 28874

Ion Ratio Lower Upper

43 100

58 24.6 26.3 39.5#



#20

Methylene Chloride

Concen: 10.369 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

Tgt Ion: 84 Resp: 35066

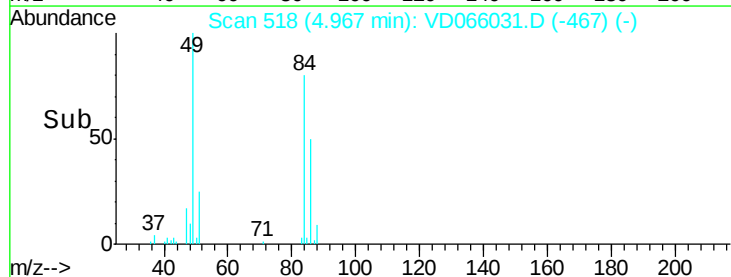
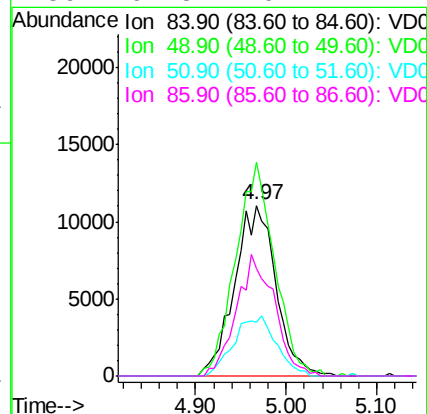
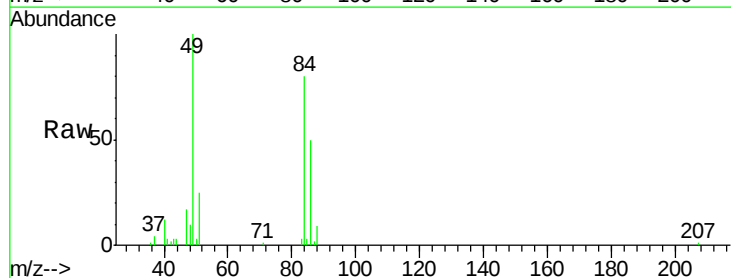
Ion Ratio Lower Upper

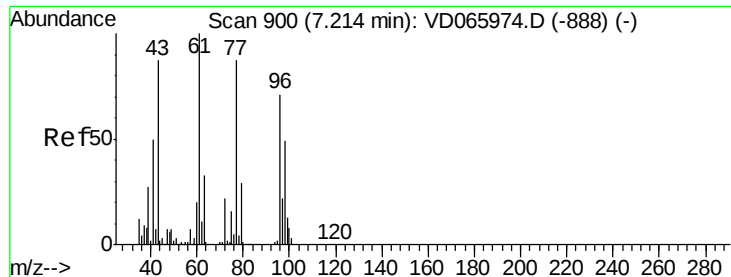
84 100

49 125.1 97.7 146.5

51 31.4 27.4 41.2

86 62.8 49.4 74.2





#25

2-Butanone

Concen: 9.026 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

Instrument :

MSVOA_D

ClientSampleId :

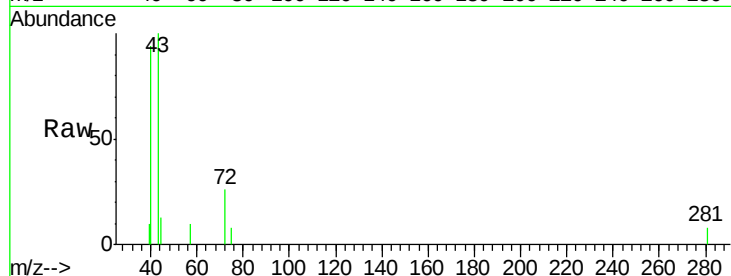
ETGI-361

Tot Ion: 43 Resp: 5972

Ion Ratio Lower Upper

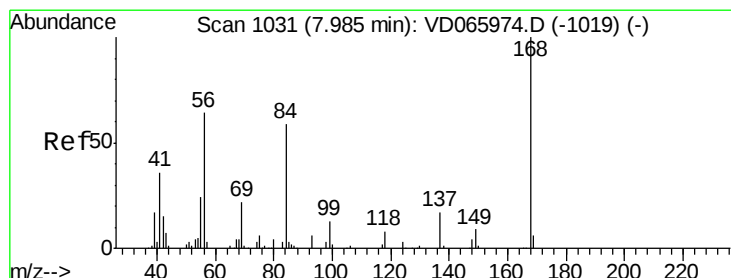
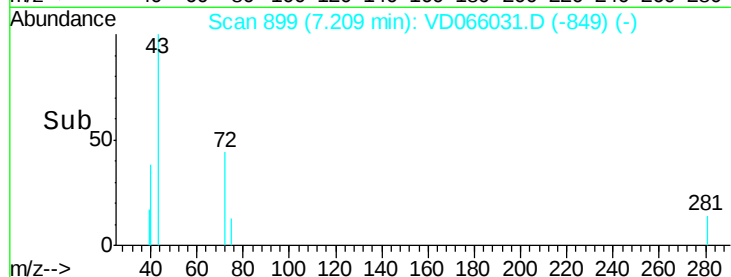
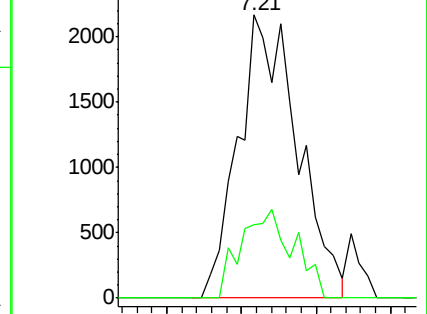
43 100

72 25.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.471 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

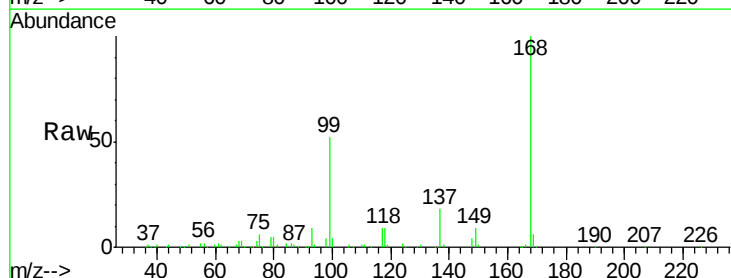
Tgt Ion: 56 Resp: 6519

Ion Ratio Lower Upper

56 100

69 165.3 28.0 42.0#

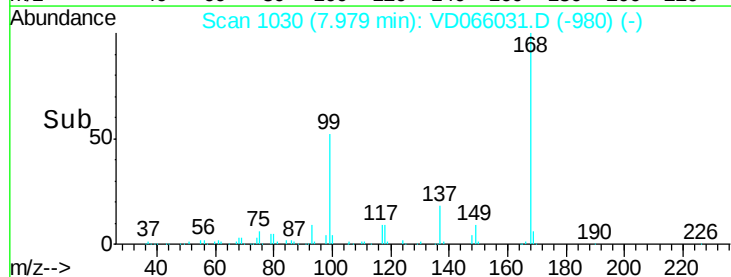
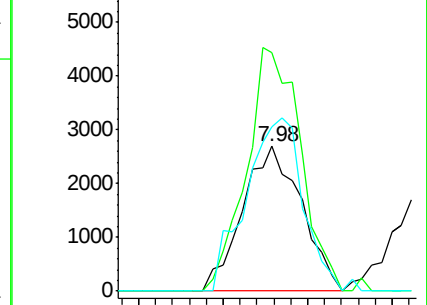
84 113.7 72.6 109.0#

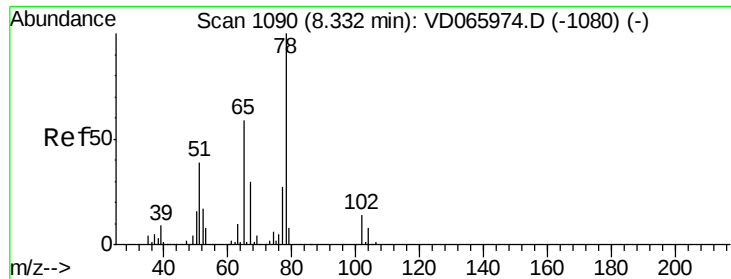


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

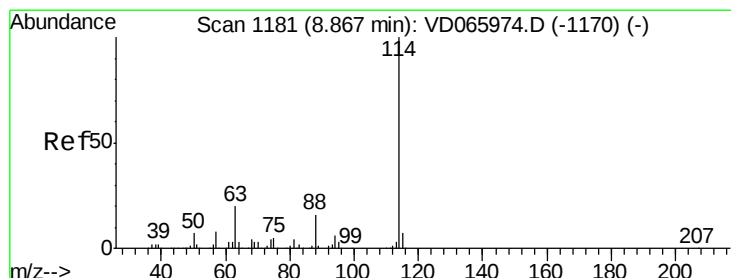
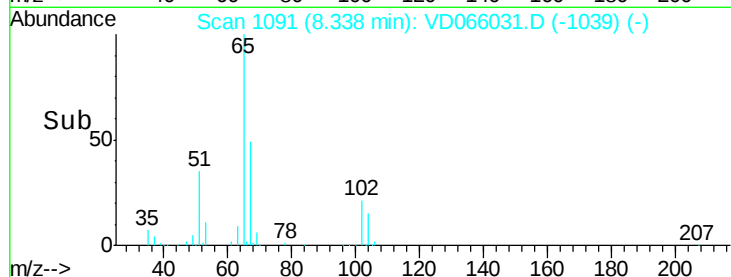
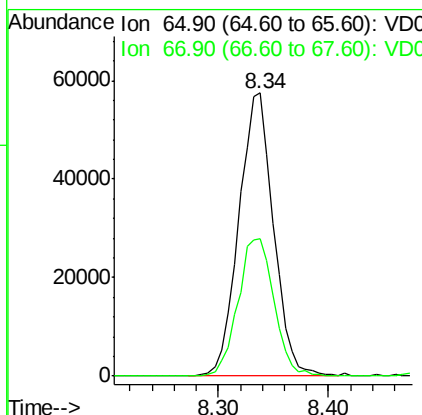
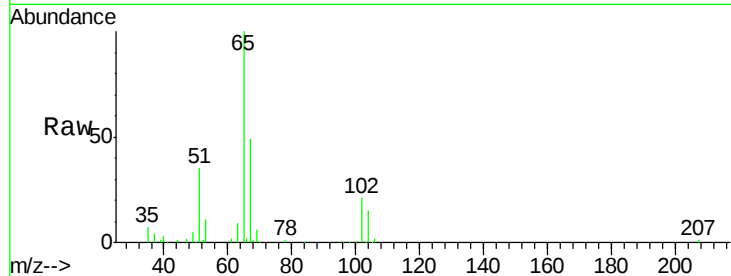




#33
 1,2-Dichloroethane-d4
 Concen: 51.480 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD066031.D
 Acq: 23 Jul 2020 18:20

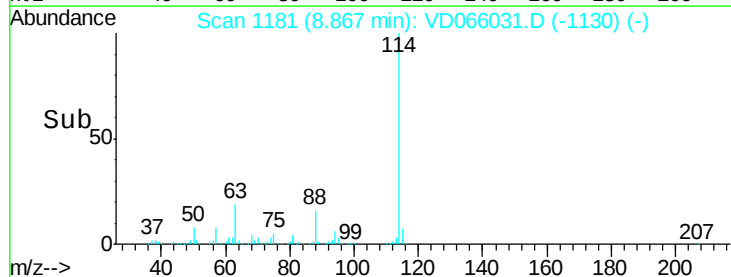
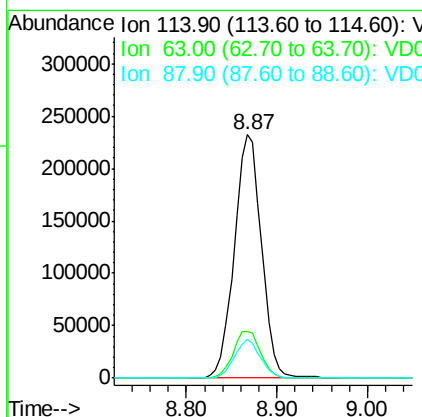
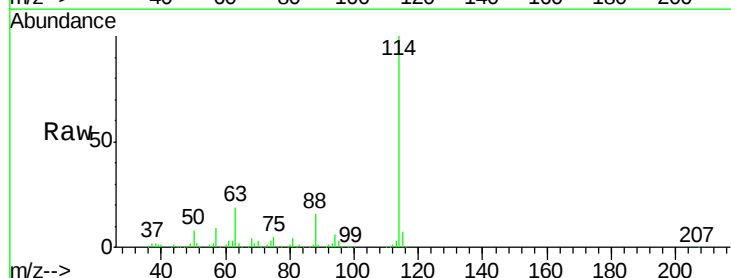
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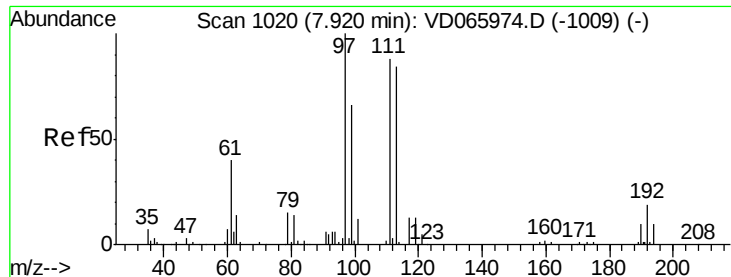
Tot Ion: 65 Resp: 126812
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066031.D
 Acq: 23 Jul 2020 18:20

Tgt Ion: 114 Resp: 482692
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 15.9 0.0 31.2

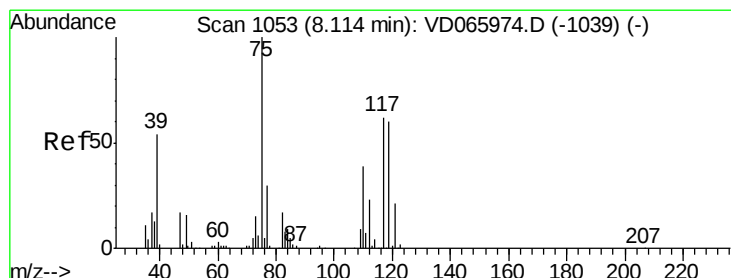
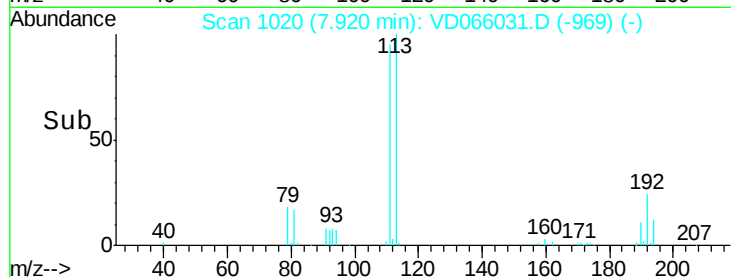
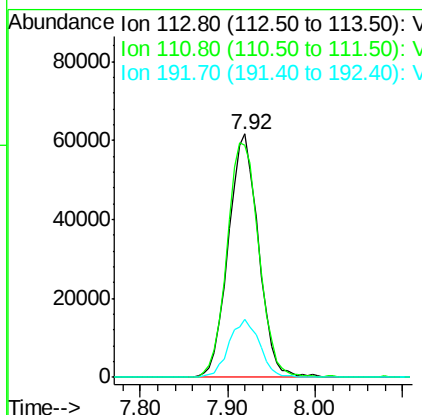
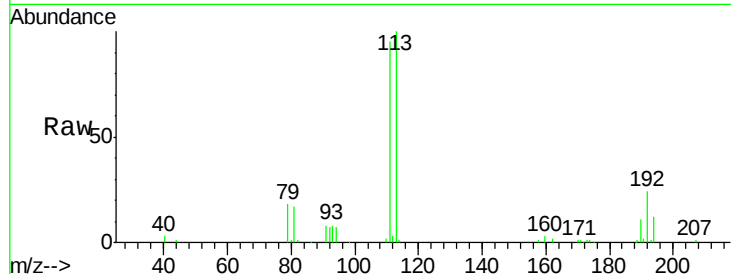




#35
 Dibromofluoromethane
 Concen: 49.244 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066031.D
 Acq: 23 Jul 2020 18:20

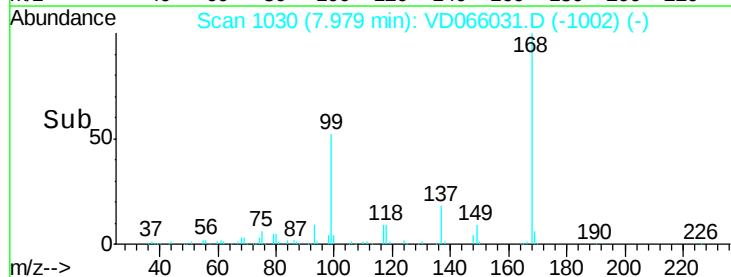
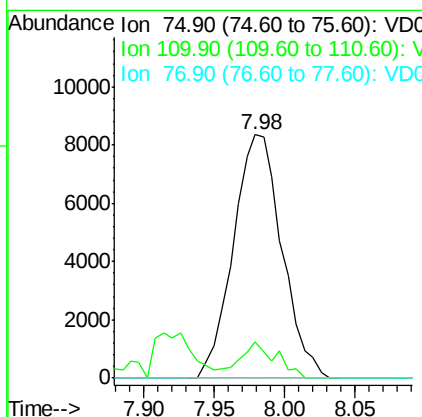
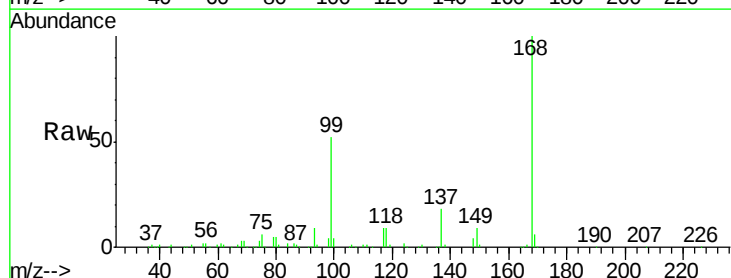
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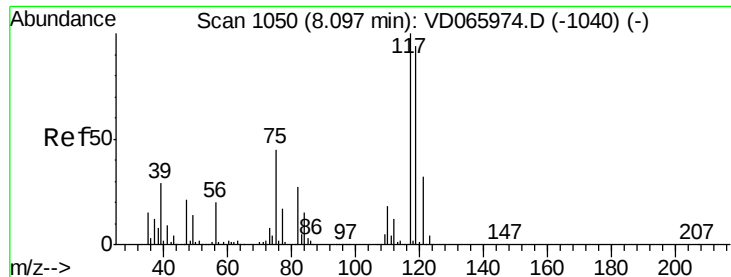
Tot Ion:113 Resp: 144171
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.2 124.8
 192 24.1 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066031.D
 Acq: 23 Jul 2020 18:20

Tgt Ion: 75 Resp: 20110
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.5 58.5#
 77 0.0 24.7 37.1#

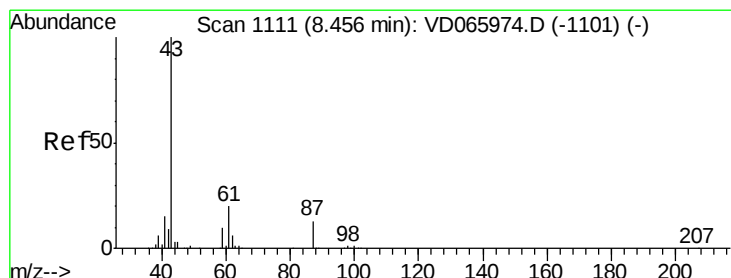
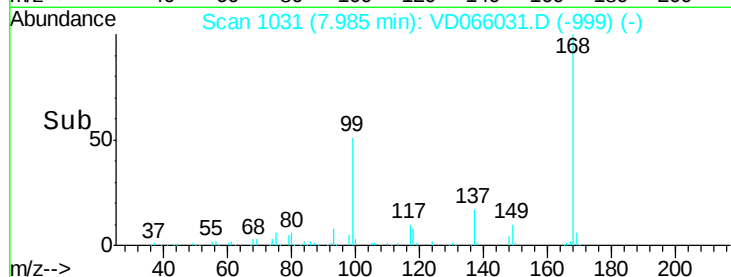
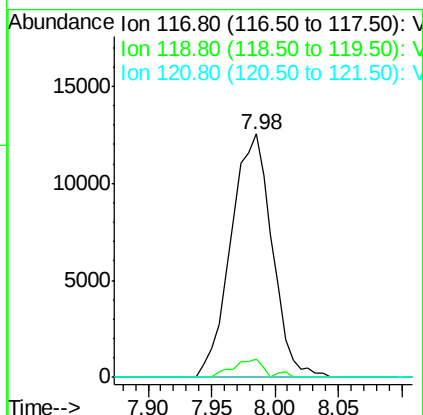
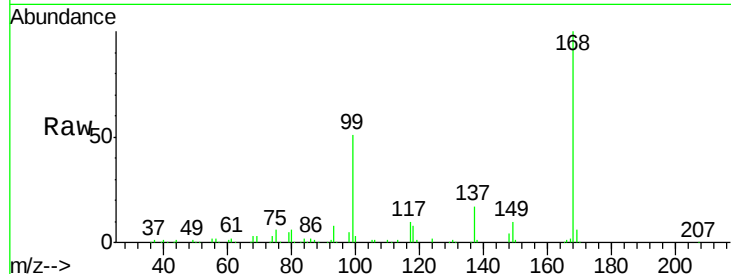




#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

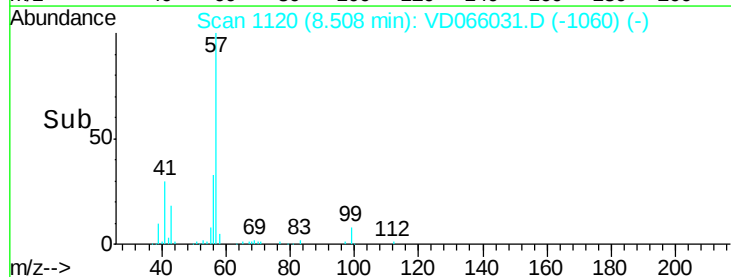
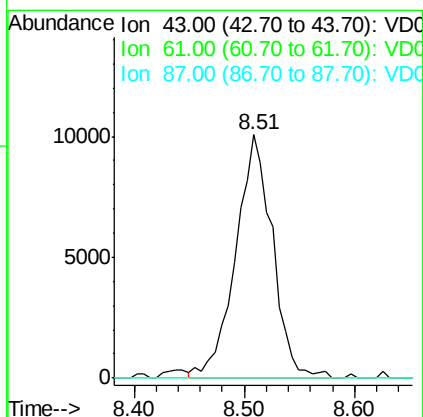
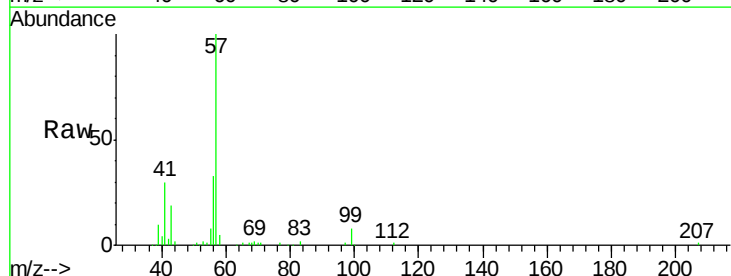
Instrument :
MSVOA_D
ClientSampleId :
ETGI-361

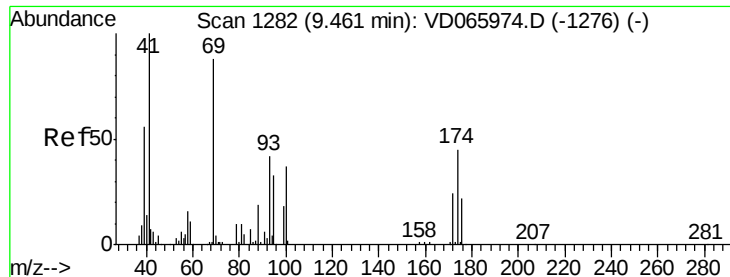
Tot Ion:117 Resp: 28194
Ion Ratio Lower Upper
117 100
119 7.3 75.0 112.6#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 7.690 ug/l
RT: 8.51 min Scan# 1120
Delta R.T. 0.05 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

Tgt Ion: 43 Resp: 23629
Ion Ratio Lower Upper
43 100
61 0.0 25.8 38.8#
87 0.0 10.9 16.3#

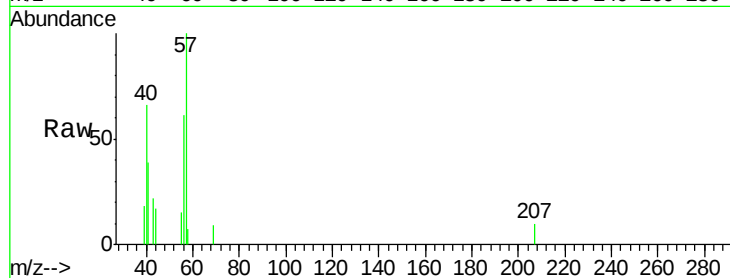




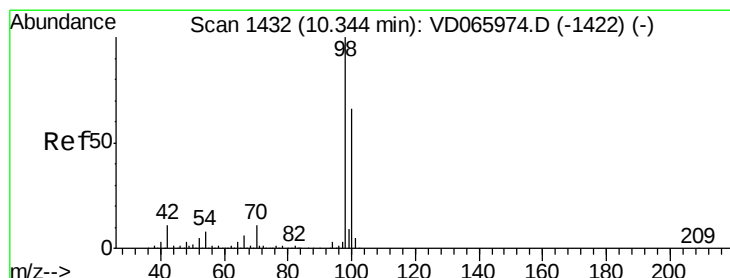
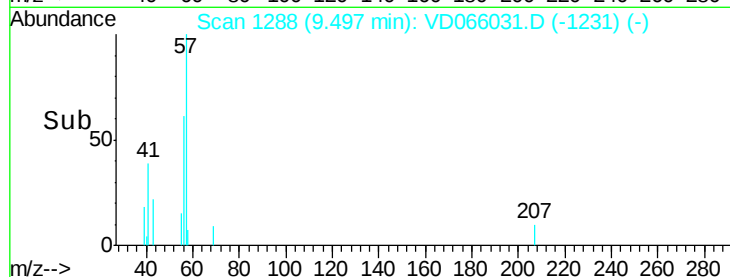
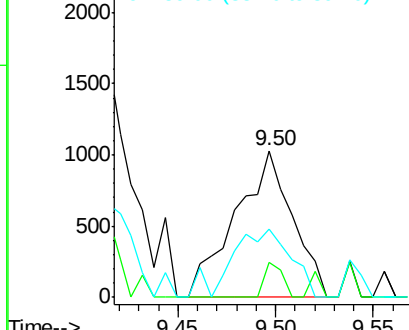
#48
Methvl methacrvlate
Concen: 1.345 ug/l
RT: 9.50 min Scan# 1288
Delta R.T. 0.04 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

Instrument :
MSVOA_D
ClientSampled :
ETGI-361

Tot Ion: 41 Resp: 2084
Ion Ratio Lower Upper
41 100
69 7.3 65.1 97.7#
39 48.2 41.5 62.3

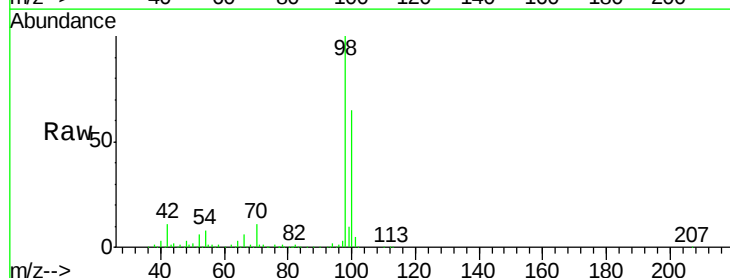


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

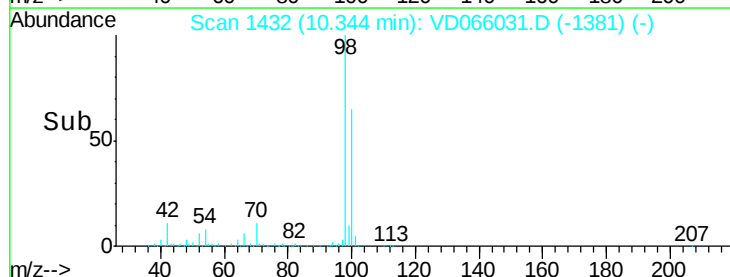
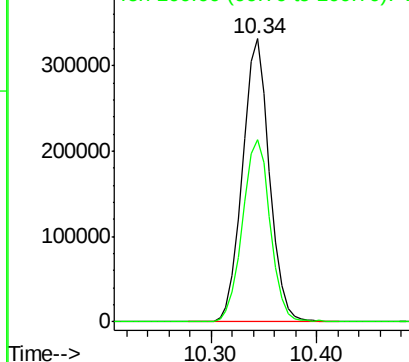


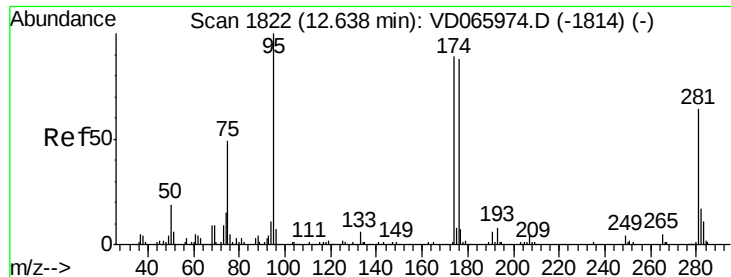
#50
Toluene-d8
Concen: 53.783 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

Tgt Ion: 98 Resp: 586574
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

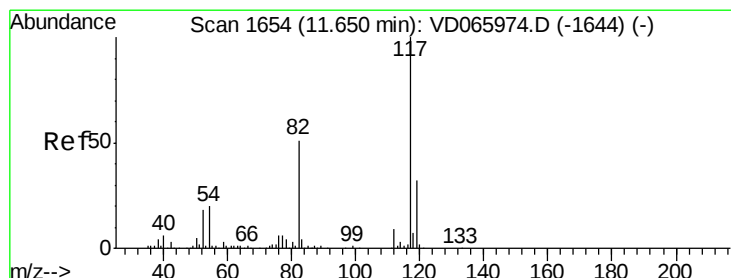
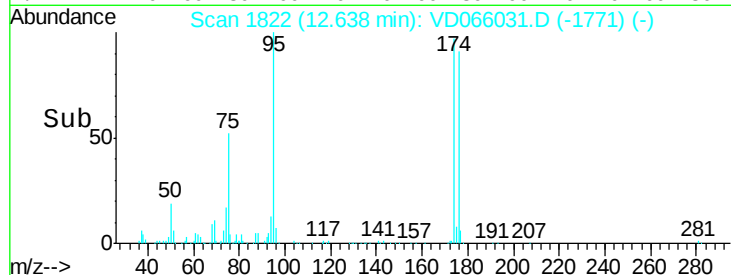
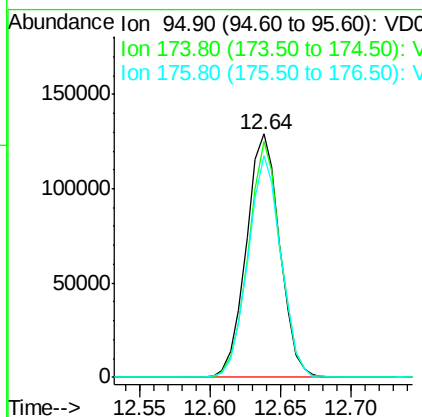
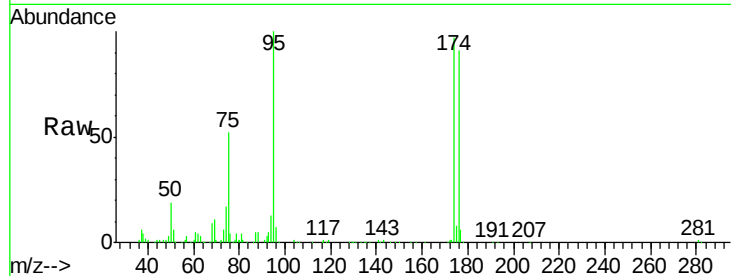




#62
4-Bromofluorobenzene
Concen: 56.806 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

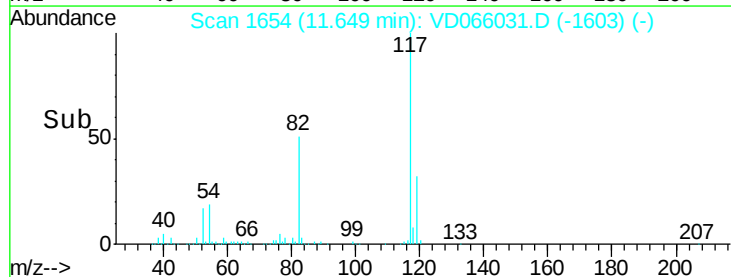
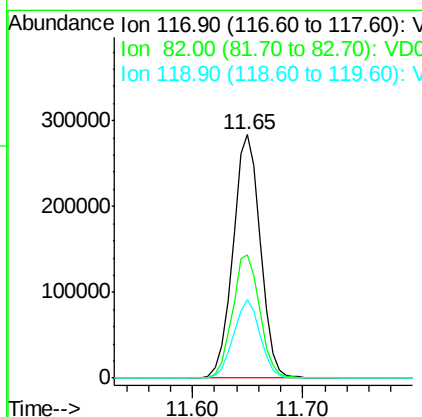
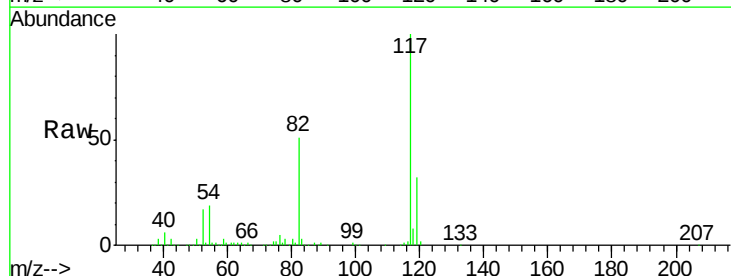
Instrument :
MSVOA_D
ClientSampleId :
ETGI-361

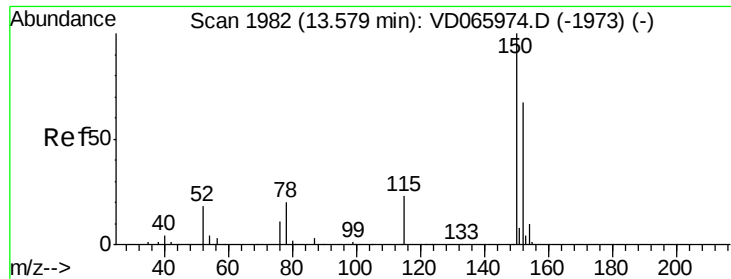
Tot Ion: 95 Resp: 214822
Ion Ratio Lower Upper
95 100
174 93.3 0.0 178.8
176 89.4 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

Tgt Ion: 117 Resp: 492713
Ion Ratio Lower Upper
117 100
82 50.8 41.1 61.7
119 32.1 25.9 38.9



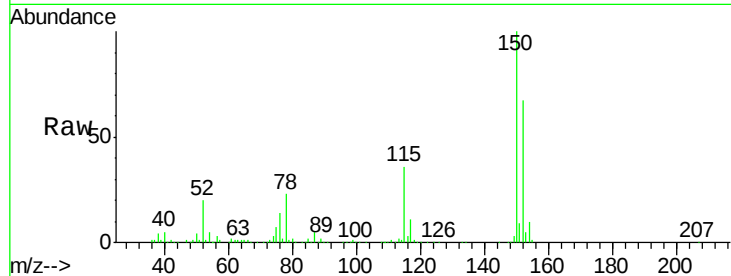


#72

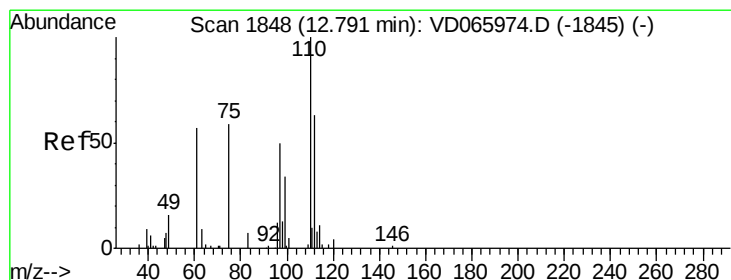
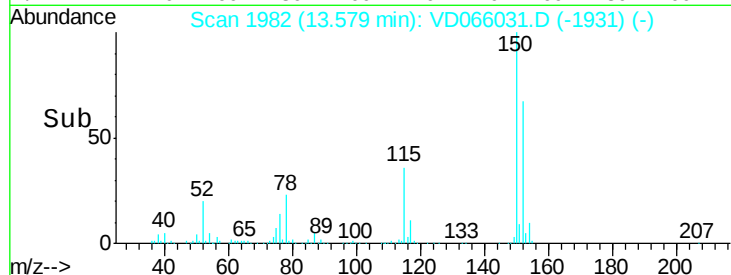
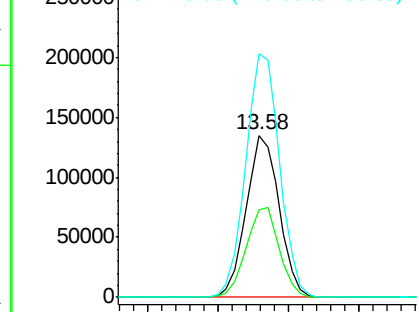
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

Instrument :
MSVOA_D
ClientSampleId :
ETGI-361

Tot Ion:152 Resp: 221562
Ion Ratio Lower Upper
152 100
115 55.4 27.9 83.7
150 154.5 0.0 348.2



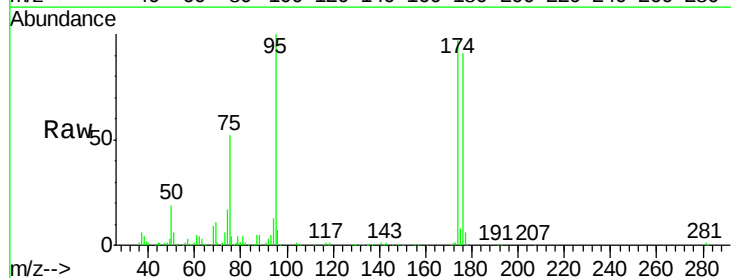
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



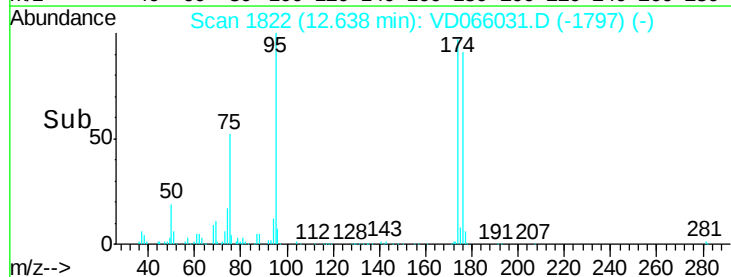
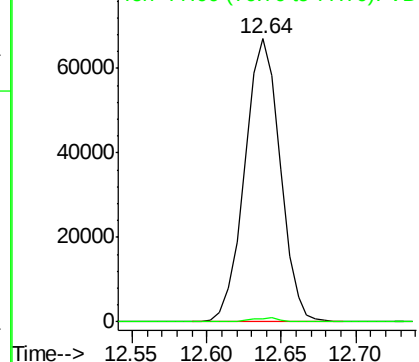
#76

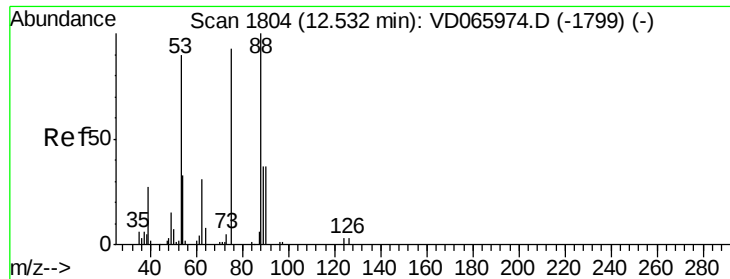
1,2,3-Trichloropropane
Concen: 65.948 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD066031.D
Acq: 23 Jul 2020 18:20

Tgt Ion: 75 Resp: 110017
Ion Ratio Lower Upper
75 100
77 1.1 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: 151.327 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

Instrument :

MSVOA_D

ClientSampleId :

ETGI-361

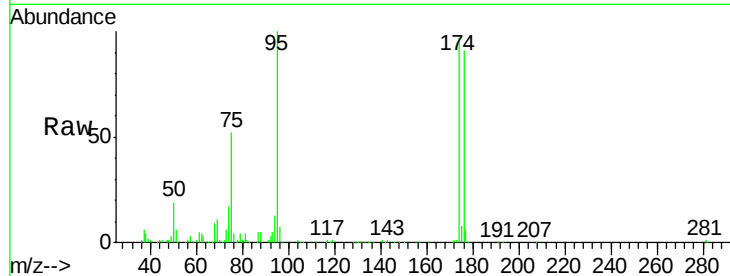
Tot Ion: 75 Resp: 110017

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

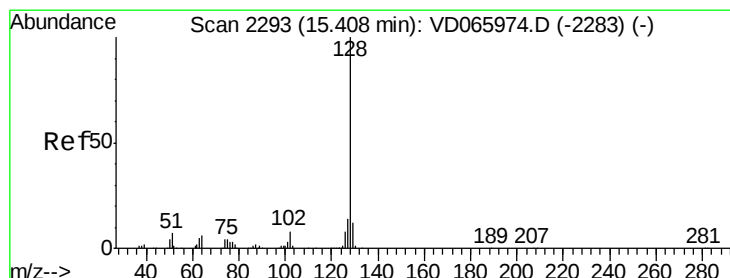
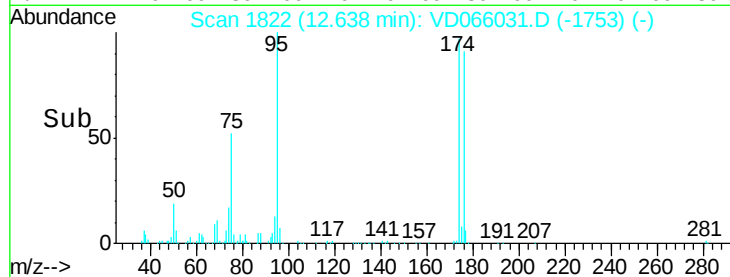
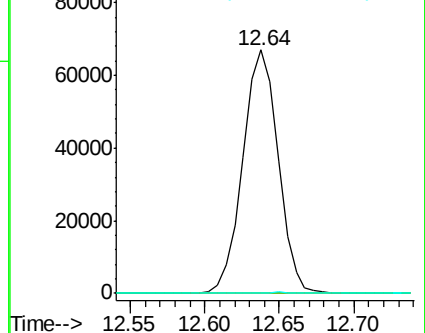
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VD066031.D (-1753) (-)

Ion 53.00 (52.70 to 53.70): VD066031.D (-1753) (-)

Ion 88.90 (88.60 to 89.60): VD066031.D (-1753) (-)



#95

Naphthalene

Concen: 3.681 ug/l

RT: 15.39 min Scan# 2290

Delta R.T. -0.02 min

Lab File: VD066031.D

Acq: 23 Jul 2020 18:20

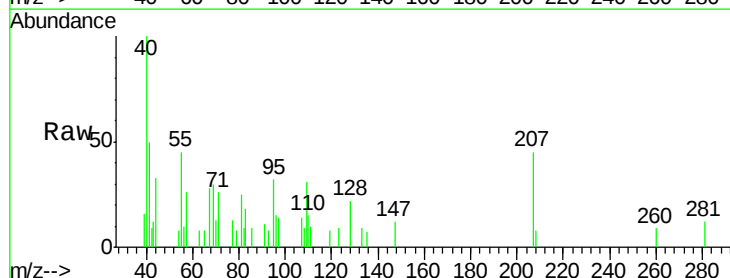
Tgt Ion: 128 Resp: 1010

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): VD066031.D (-2242) (-)

Ion 127.00 (126.70 to 127.70): VD066031.D (-2242) (-)

Ion 129.00 (128.70 to 129.70): VD066031.D (-2242) (-)

