

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066022.D
 Acq On : 23 Jul 2020 14:13
 Operator : VA/SY
 Sample : L3362-03RE
 Misc : 7.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

Quant Time: Jul 24 03:04:56 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	278519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	463593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	186133	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	126039	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
35) Dibromofluoromethane	7.92	113	144368	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
50) Toluene-d8	10.34	98	551434	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.64	95	188600	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	

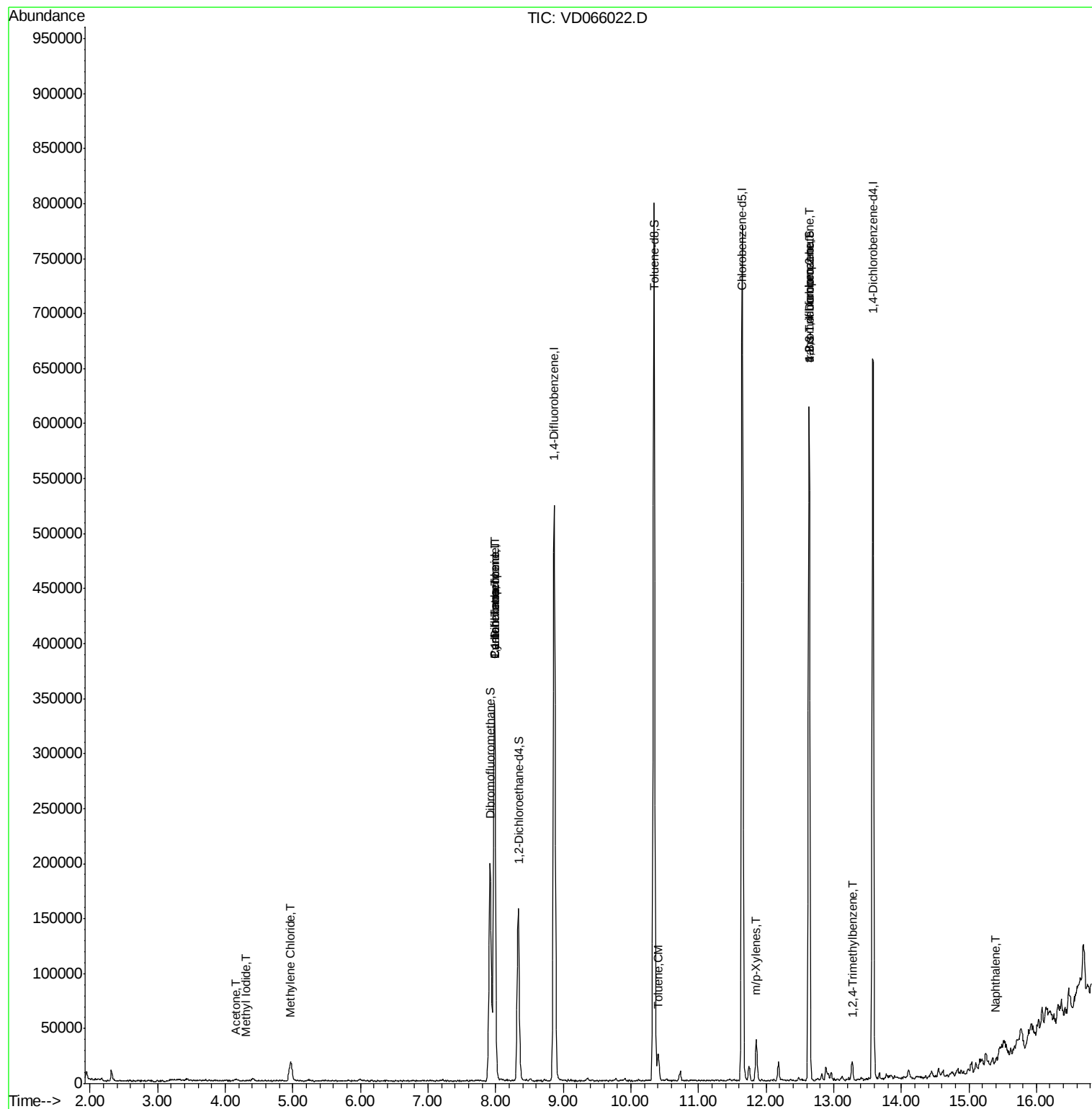
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	147	Below Cal	#	4
10) Methyl Iodide	4.30	142	120	8.853	ug/l #	42
11) Tert butyl alcohol	5.21	59	565	Below Cal	#	88
16) Acetone	4.17	43	3039	6.625	ug/l #	85
20) Methylene Chloride	4.97	84	12799	2.212	ug/l #	91
31) Cyclohexane	7.98	56	5801	1.423	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	18195	4.599	ug/l #	50
38) Carbon Tetrachloride	7.98	117	25599	5.963	ug/l #	16
52) Toluene	10.41	92	9628	1.334	ug/l	97
68) m/p-Xylenes	11.86	106	11485	2.048	ug/l	86
76) 1,2,3-Trichloropropane	12.64	75	94694	67.567	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	94694	155.043	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	9537	1.045	ug/l	95
95) Naphthalene	15.40	128	2563	3.950	ug/l #	90

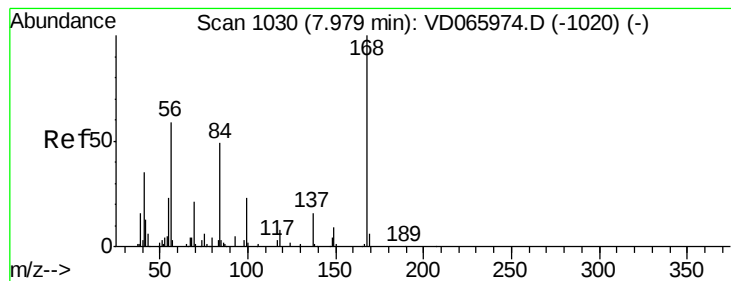
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066022.D
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Quant Time: Jul 24 03:04:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066022.D

Acq: 23 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

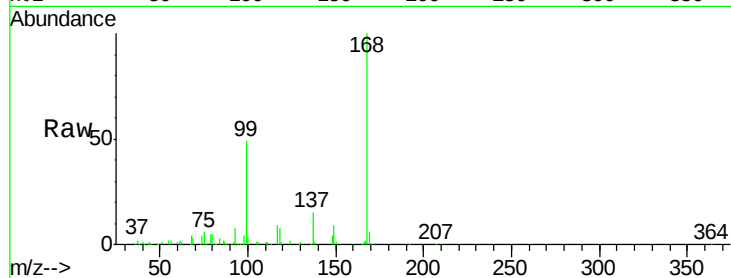
RBR-59

Tot Ion:168 Resp: 278519

Ion Ratio Lower Upper

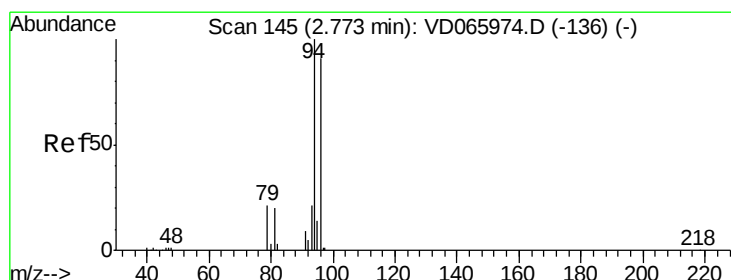
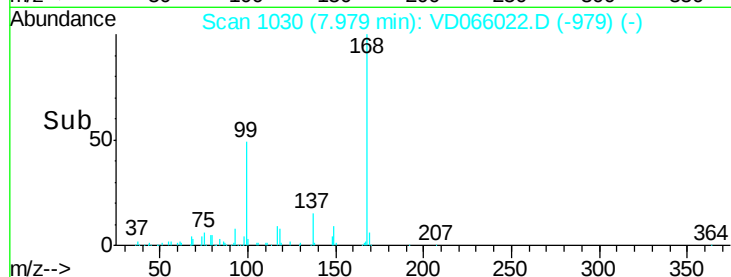
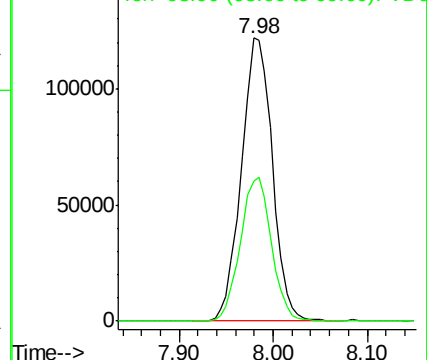
168 100

99 49.4 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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066022.D

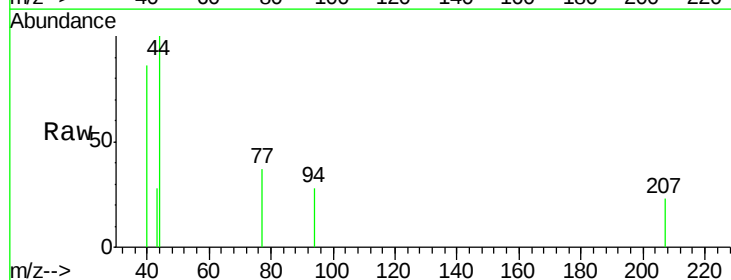
Acq: 23 Jul 2020 14:13

Tgt Ion: 94 Resp: 147

Ion Ratio Lower Upper

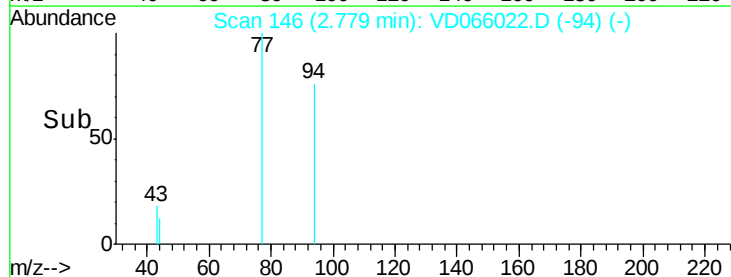
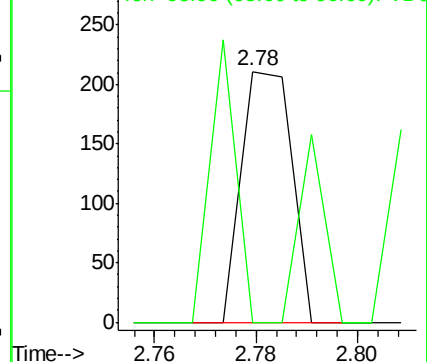
94 100

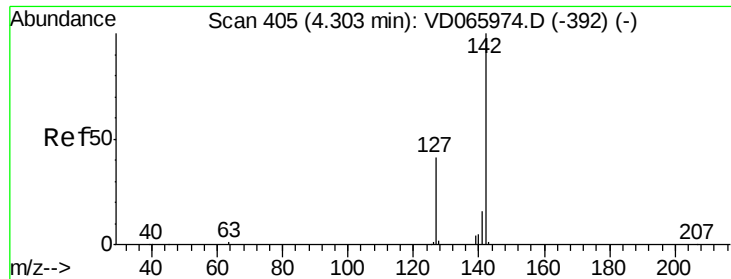
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

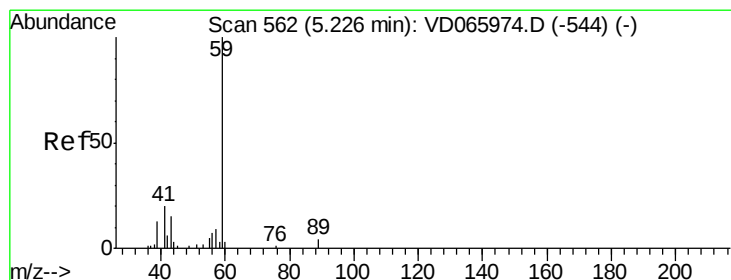
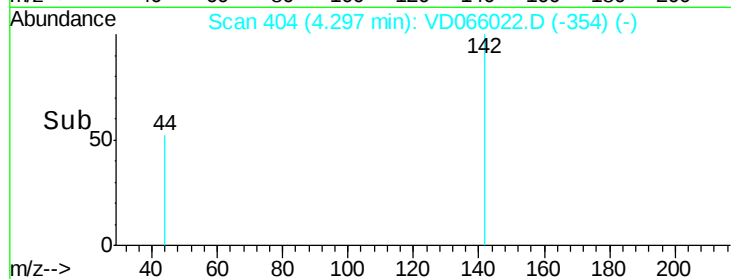
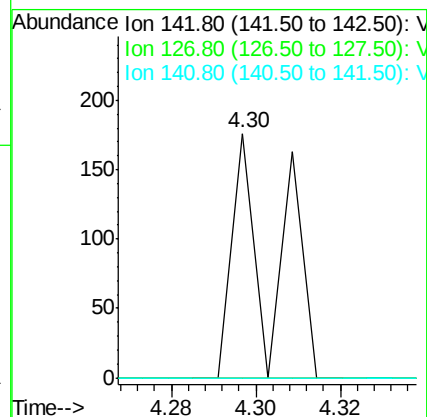
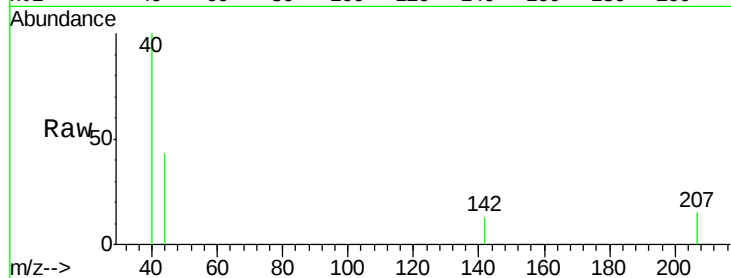




#10
Methyl Iodide
Concen: 8.853 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

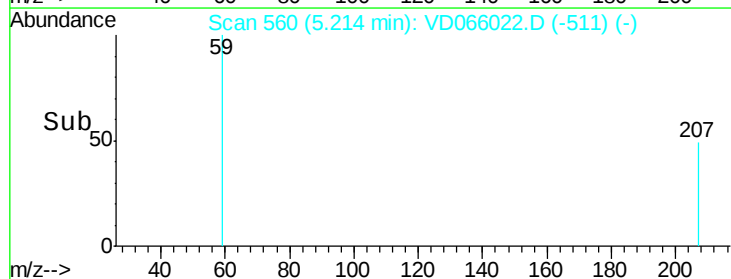
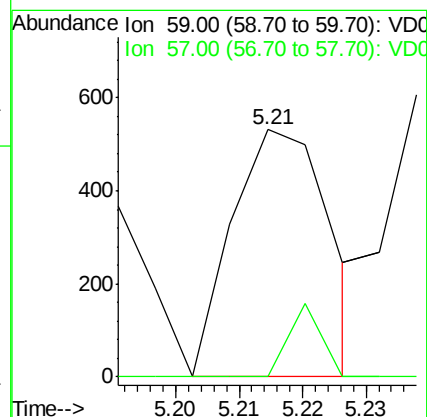
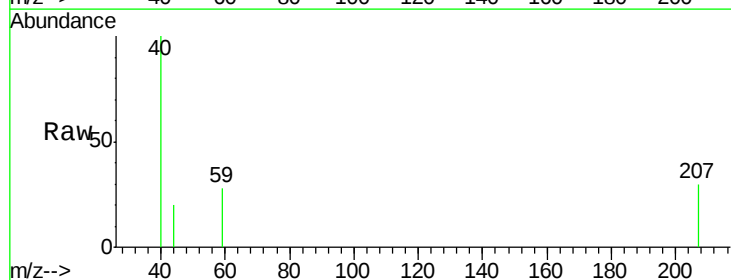
Instrument :
MSVOA_D
ClientSampled :
RBR-59

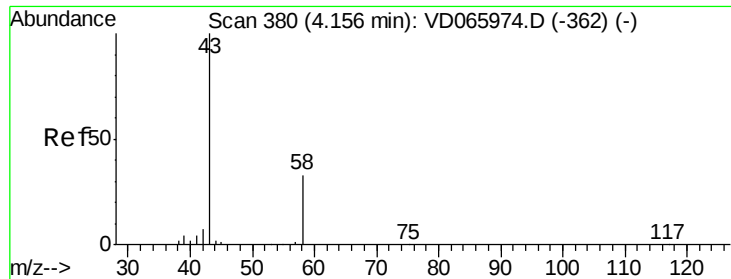
Tot Ion: 142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 9.7 4.5 6.7#





#16

Acetone

Concen: 6.625 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066022.D

Acq: 23 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

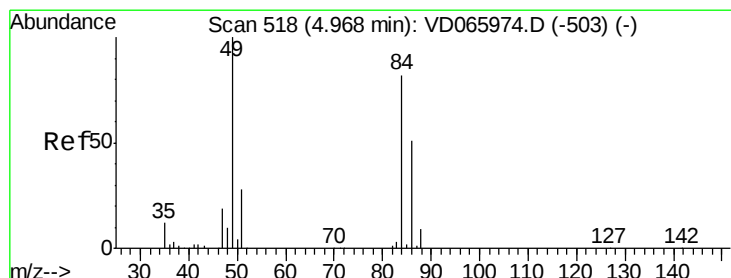
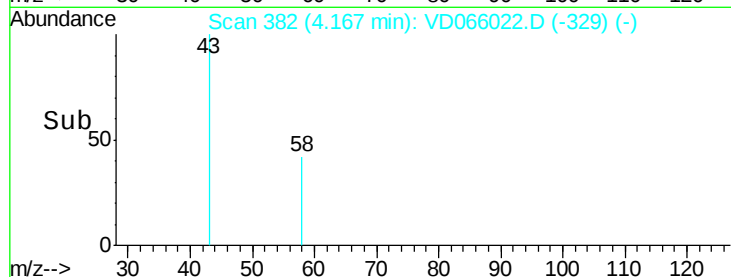
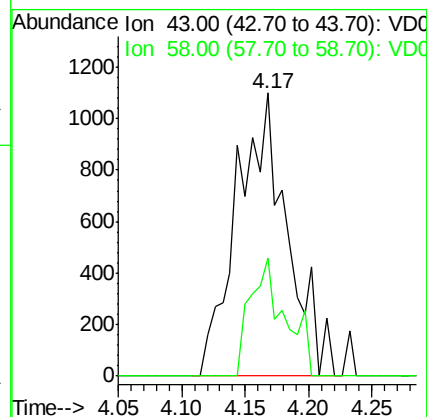
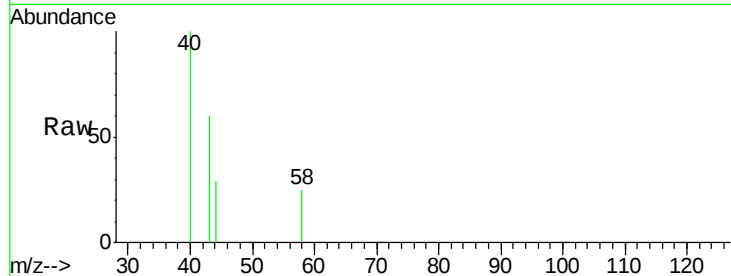
RBR-59

Tot Ion: 43 Resp: 3039

Ion Ratio Lower Upper

43 100

58 41.6 26.3 39.5#



#20

Methylene Chloride

Concen: 2.212 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066022.D

Acq: 23 Jul 2020 14:13

Tgt Ion: 84 Resp: 12799

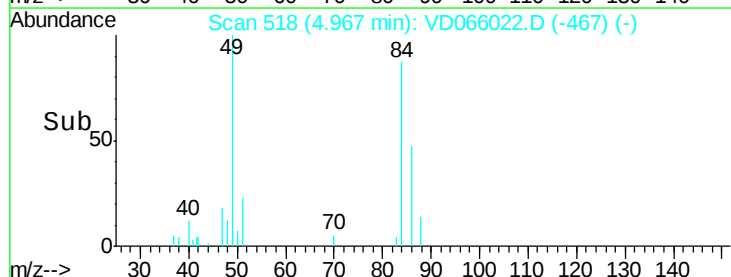
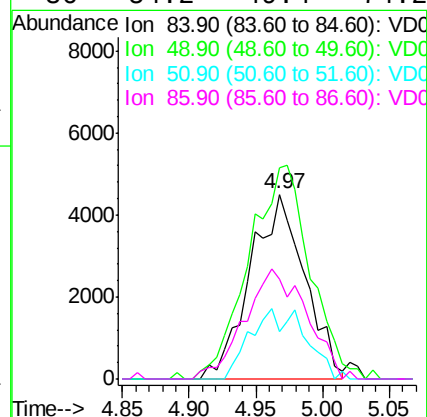
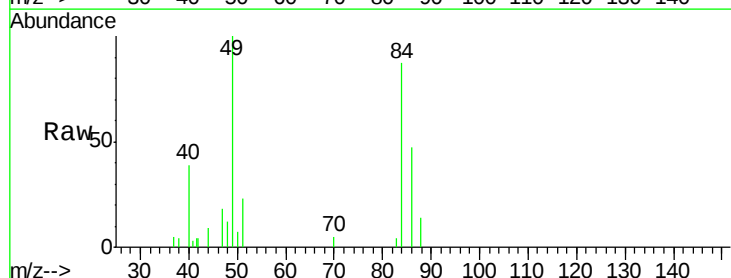
Ion Ratio Lower Upper

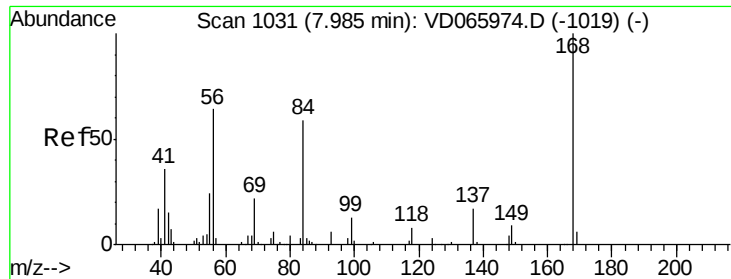
84 100

49 114.5 97.7 146.5

51 25.9 27.4 41.2#

86 54.2 49.4 74.2

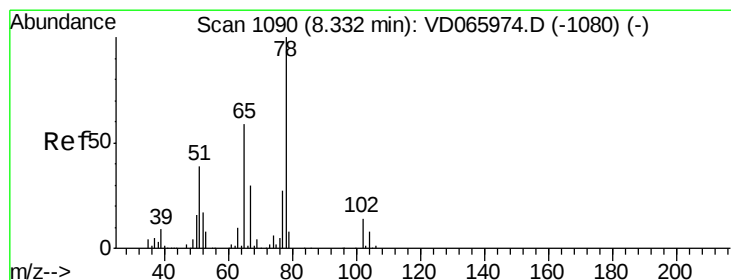
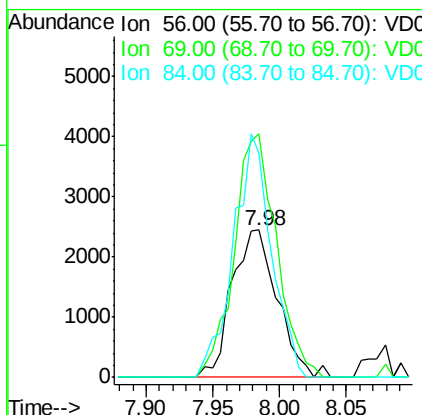
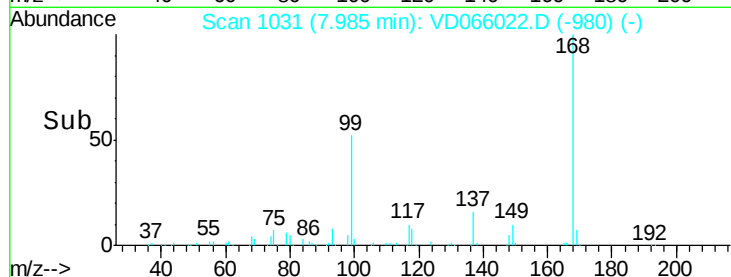
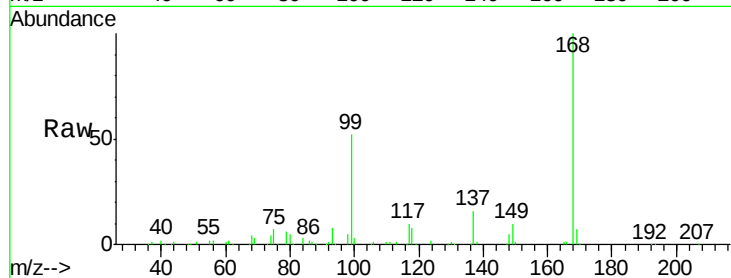




#31
Cyclohexane
Concen: 1.423 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

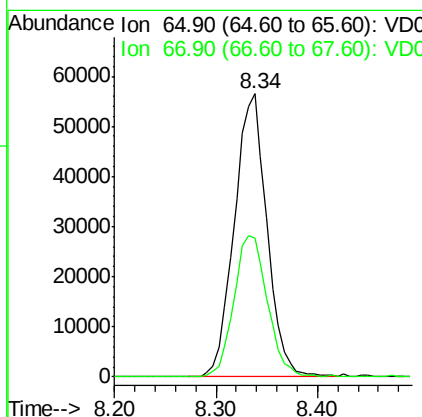
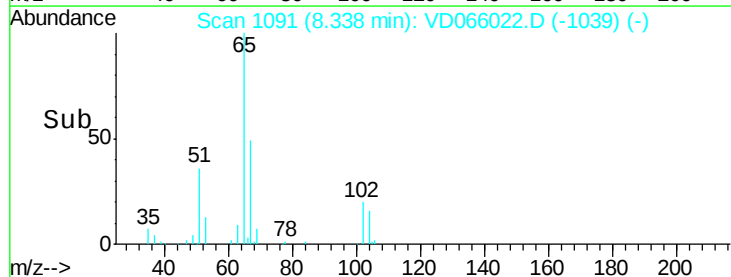
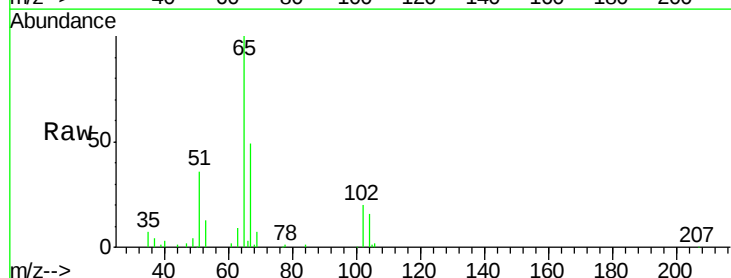
Instrument :
MSVOA_D
ClientSampled :
RBR-59

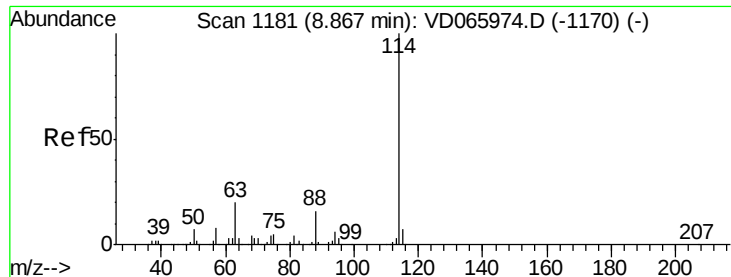
Tot Ion: 56 Resp: 5801
Ion Ratio Lower Upper
56 100
69 165.5 28.0 42.0#
84 152.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 55.615 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

Tgt Ion: 65 Resp: 126039
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0

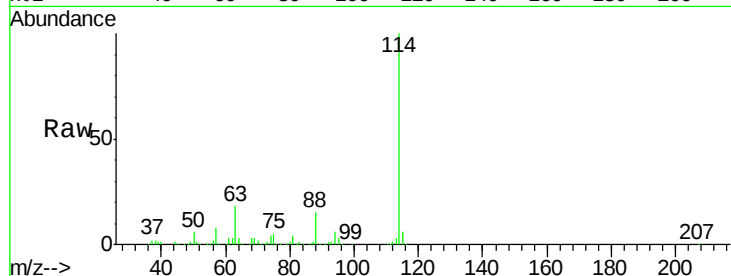




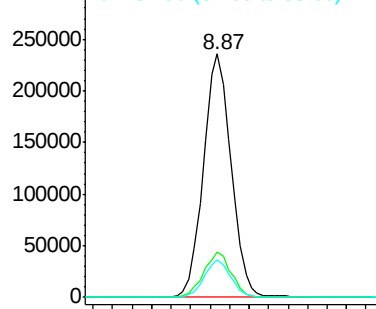
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

Instrument :
MSVOA_D
ClientSampleId :
RBR-59

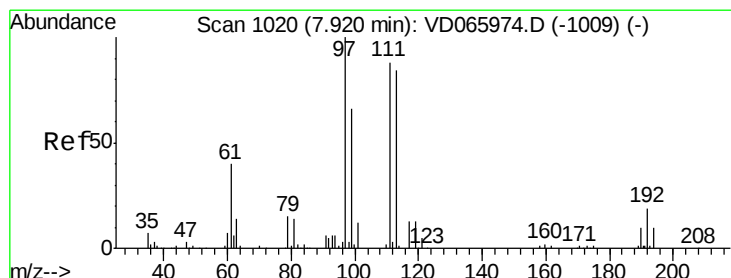
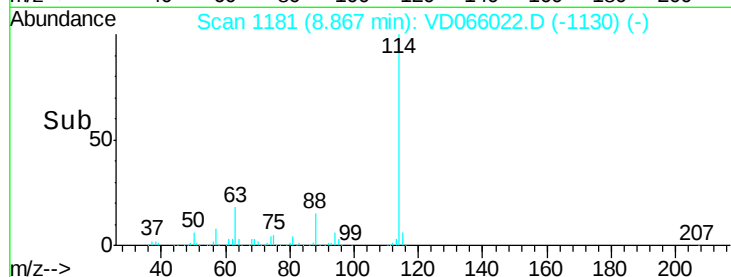
Tot Ion:114 Resp: 463593
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.6
88 15.3 0.0 31.2



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

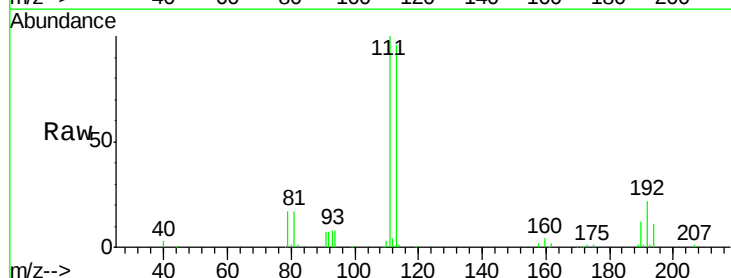


Time-->

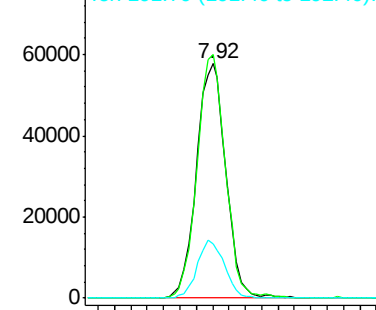


#35
Dibromofluoromethane
Concen: 51.343 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

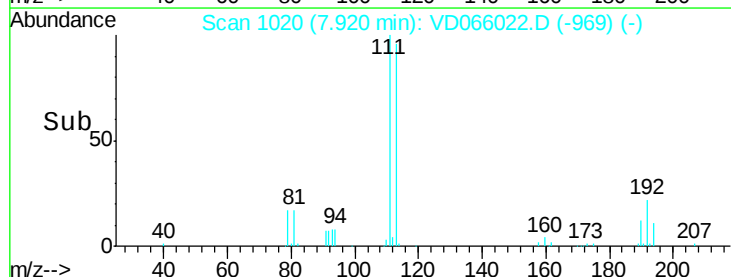
Tgt Ion:113 Resp: 144368
Ion Ratio Lower Upper
113 100
111 100.4 83.2 124.8
192 22.7 18.7 28.1

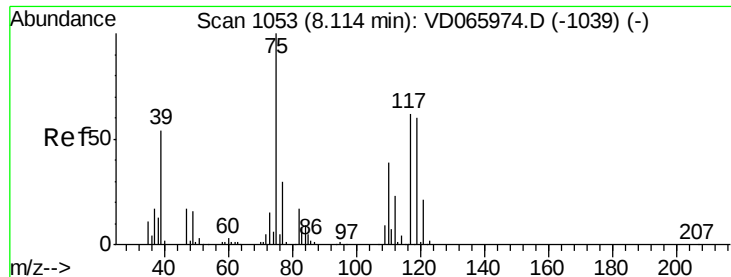


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->

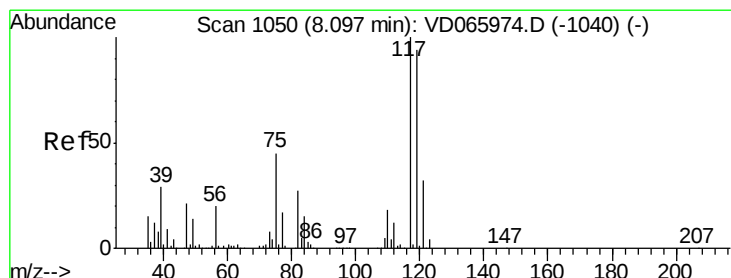
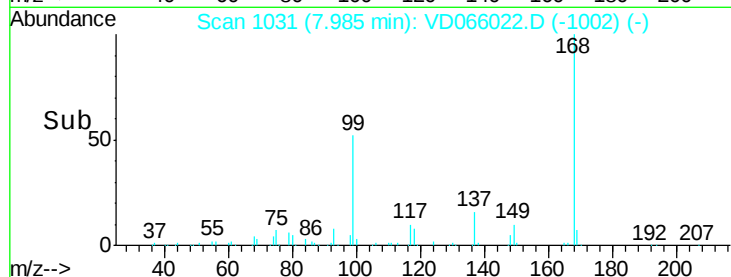
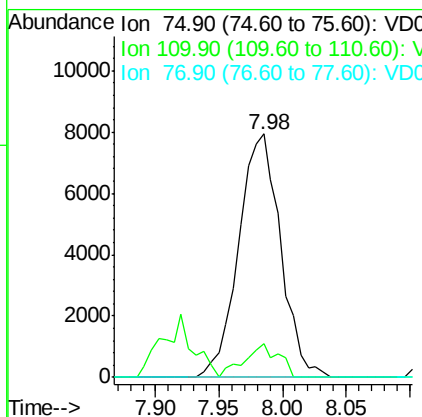
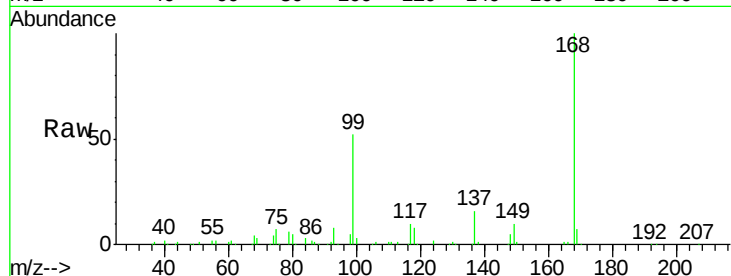




#36
 1,1-Dichloropropene
 Concen: 4.599 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066022.D
 Acq: 23 Jul 2020 14:13

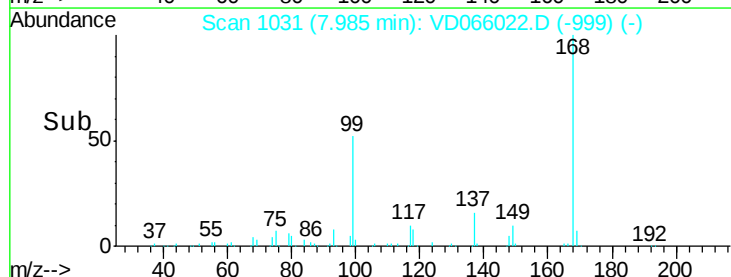
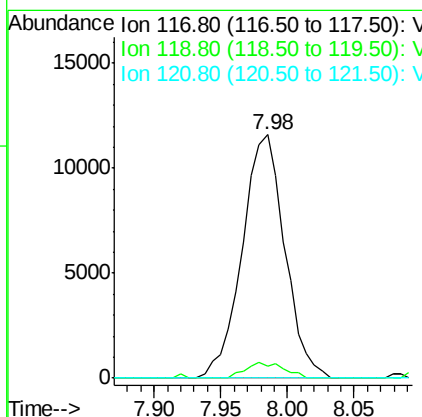
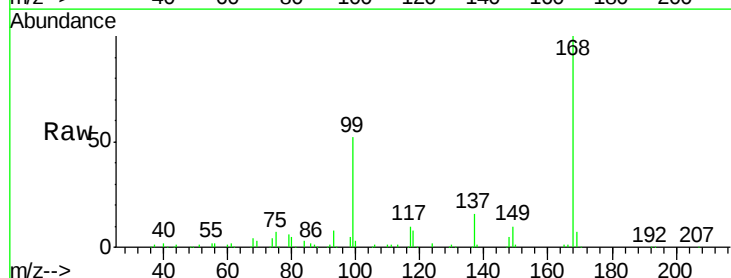
Instrument :
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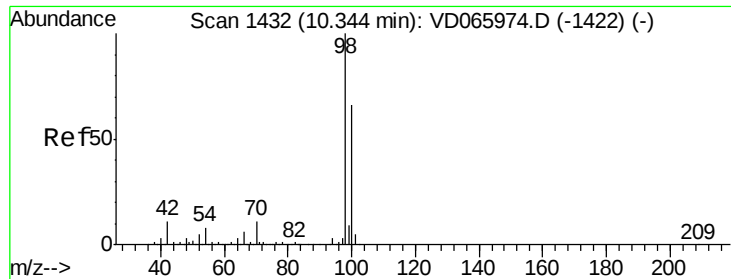
Tot Ion: 75 Resp: 18195
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.963 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066022.D
 Acq: 23 Jul 2020 14:13

Tgt Ion: 117 Resp: 25599
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.0 112.6#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 52.644 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066022.D

Acq: 23 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

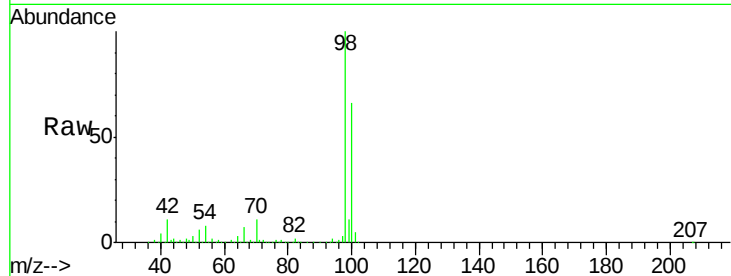
RBR-59

Tot Ion: 98 Resp: 551434

Ion Ratio Lower Upper

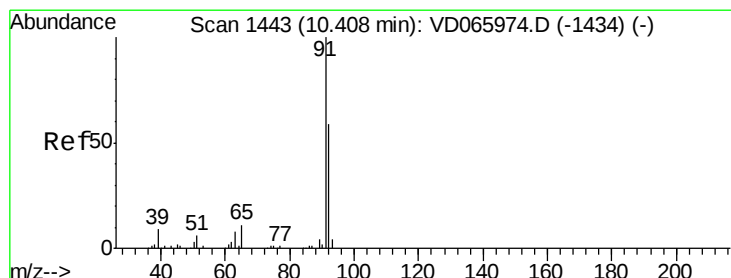
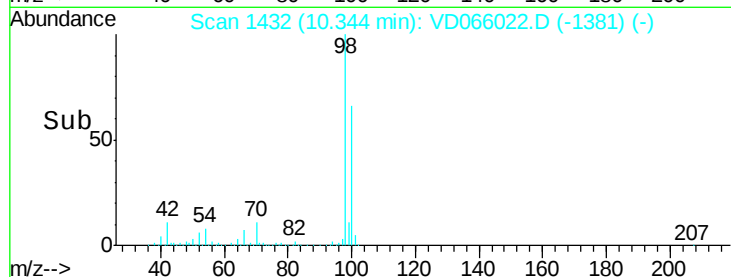
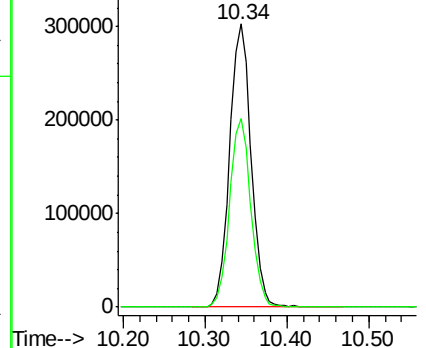
98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 1.334 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD066022.D

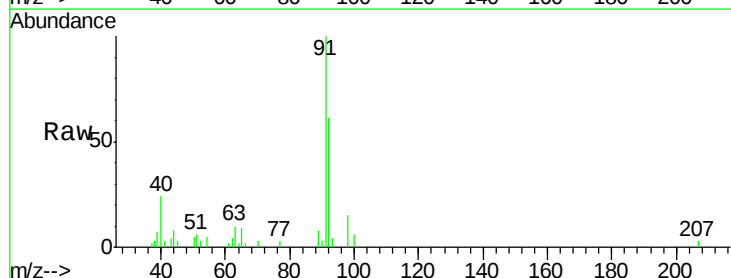
Acq: 23 Jul 2020 14:13

Tgt Ion: 92 Resp: 9628

Ion Ratio Lower Upper

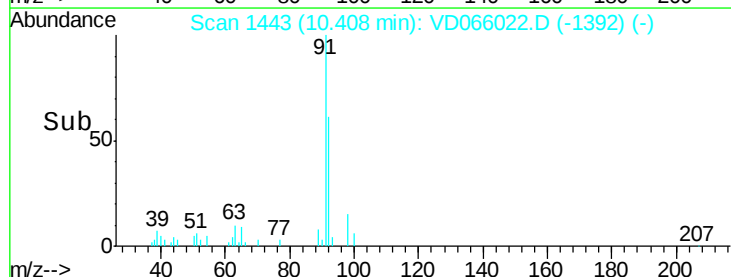
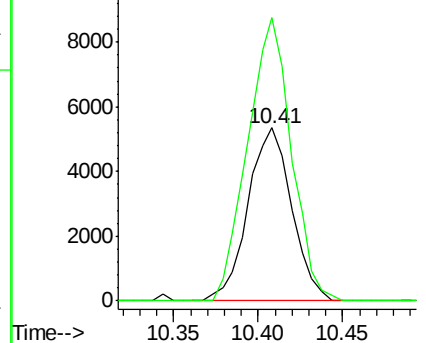
92 100

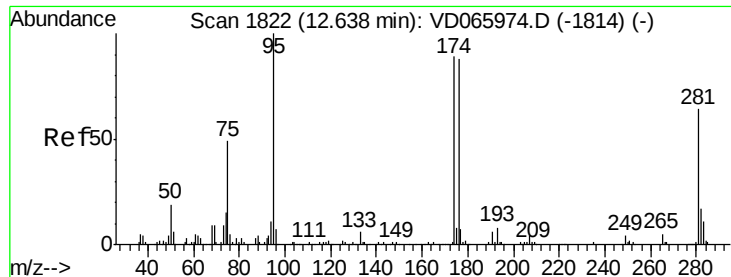
91 163.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

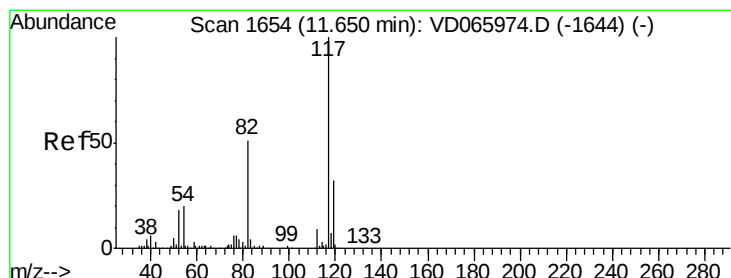
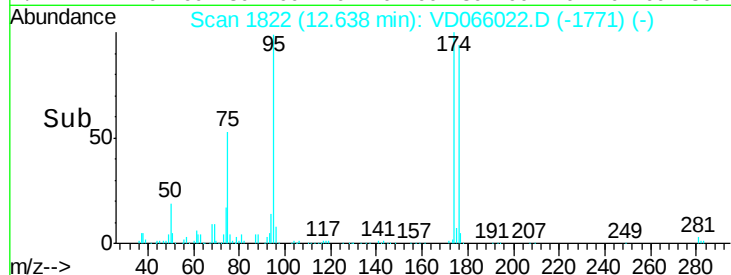
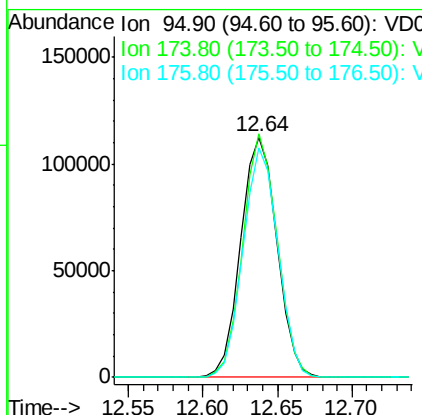
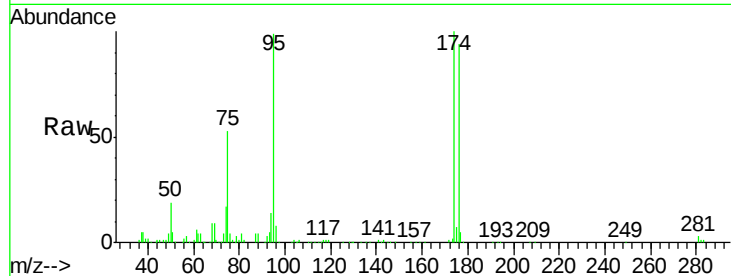




#62
4-Bromofluorobenzene
Concen: 51.927 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

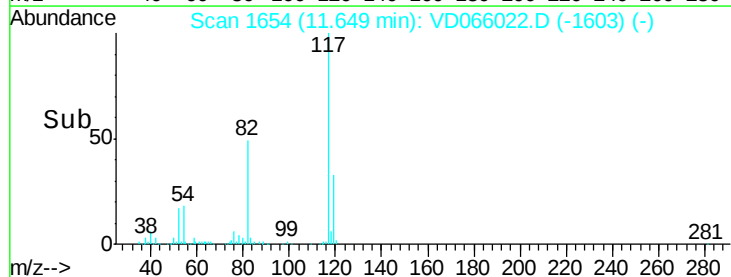
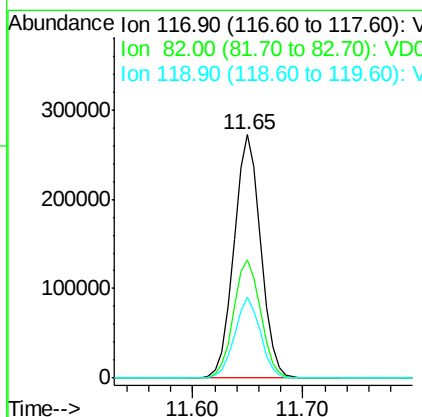
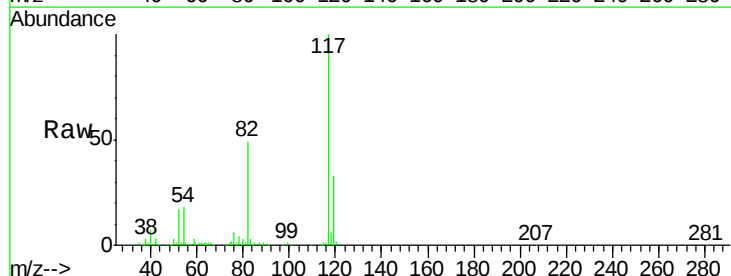
Instrument :
MSVOA_D
ClientSampleId :
RBR-59

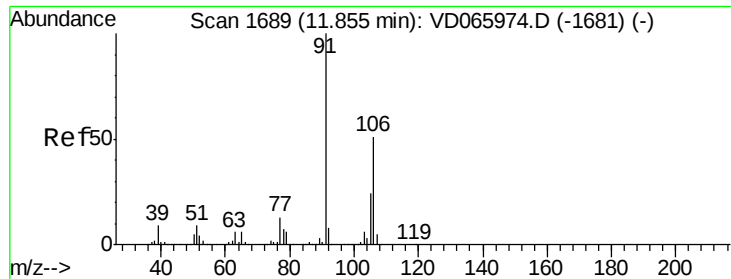
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	178.8
176	92.2	0.0	172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.6	41.1	61.7
119	33.4	25.9	38.9

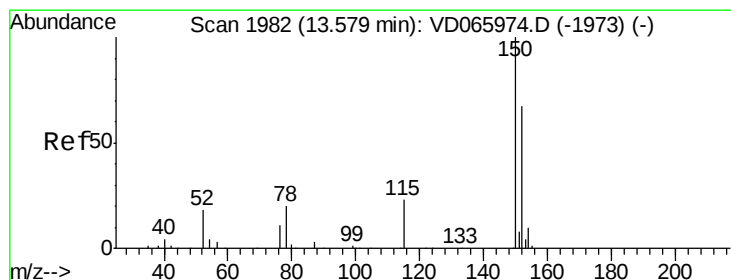
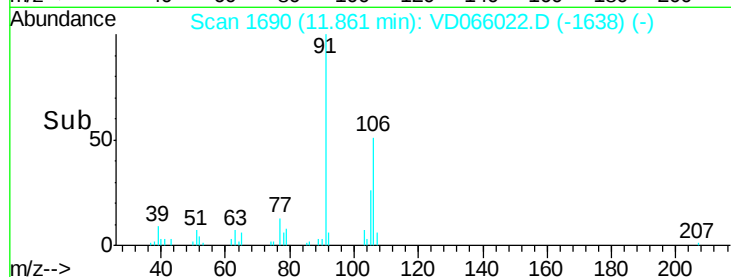
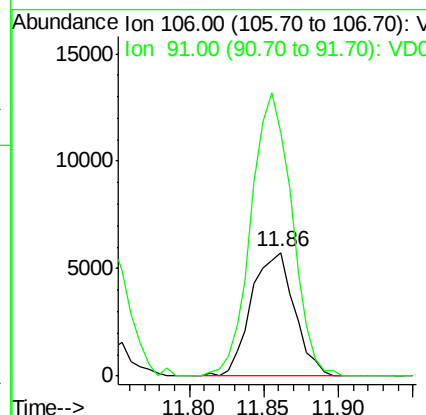
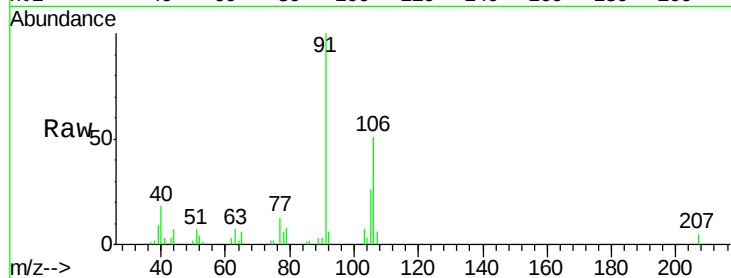




#68
m/p-Xvlenes
Concen: 2.048 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

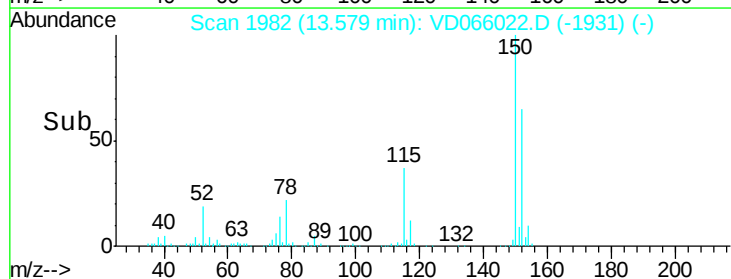
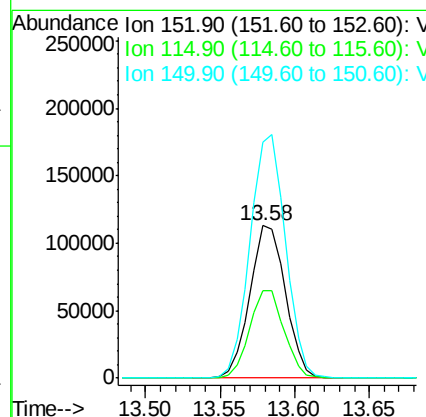
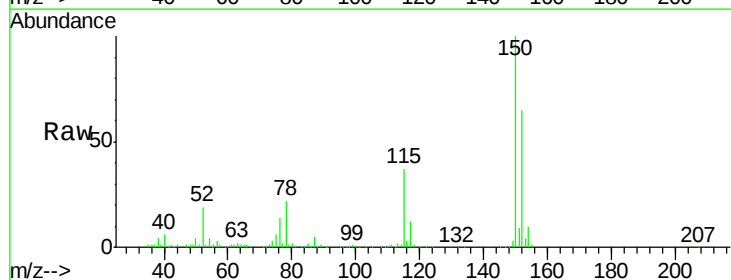
Instrument :
MSVOA_D
ClientSampleId :
RBR-59

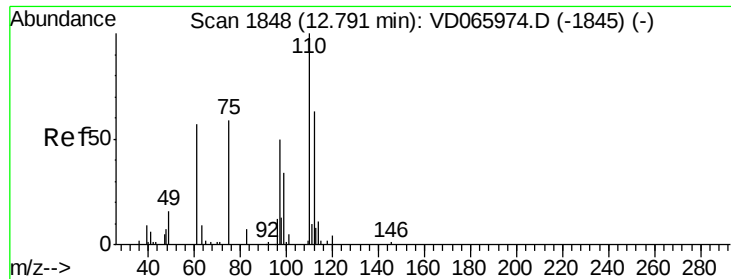
Tot Ion:106 Resp: 11485
Ion Ratio Lower Upper
106 100
91 217.3 157.0 235.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066022.D
Acq: 23 Jul 2020 14:13

Tgt Ion:152 Resp: 186133
Ion Ratio Lower Upper
152 100
115 56.0 27.9 83.7
150 158.8 0.0 348.2

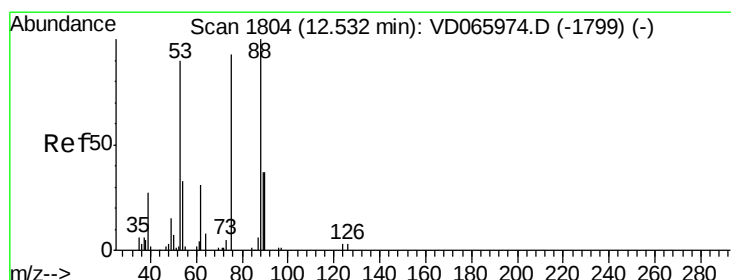
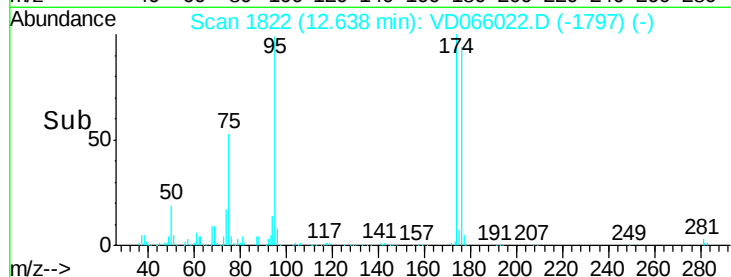
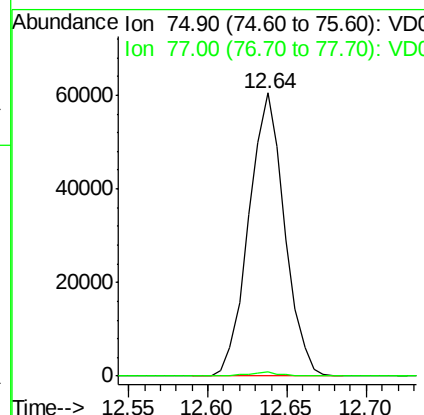
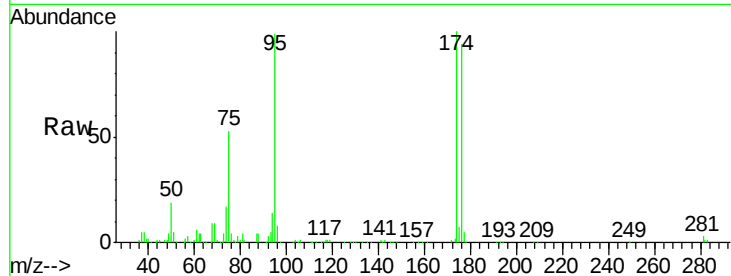




#76
 1,2,3-Trichloropropane
 Concen: 67.567 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066022.D
 Acq: 23 Jul 2020 14:13

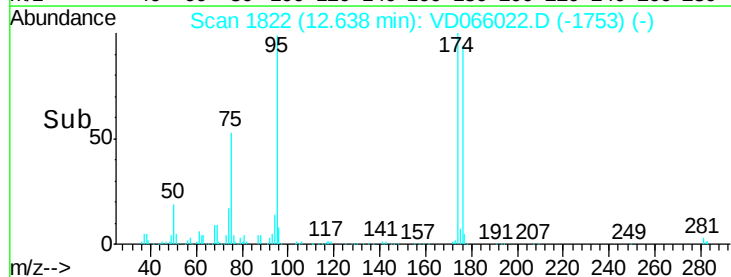
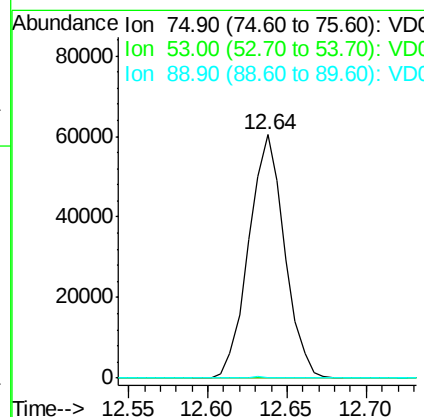
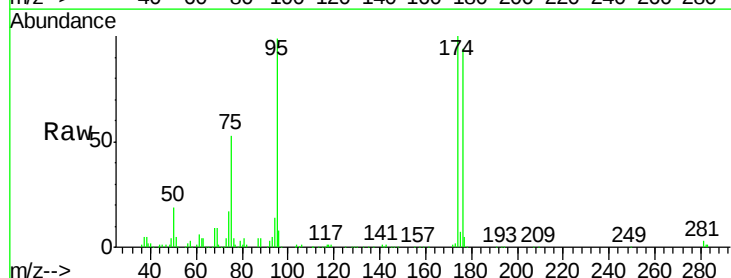
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

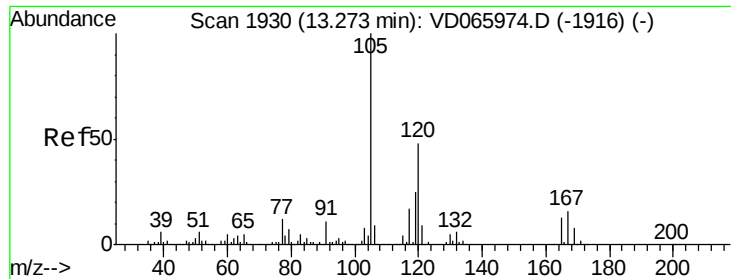
Tot Ion: 75 Resp: 94694
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.043 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066022.D
 Acq: 23 Jul 2020 14:13

Tgt Ion: 75 Resp: 94694
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.1 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.045 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066022.D

Acq: 23 Jul 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

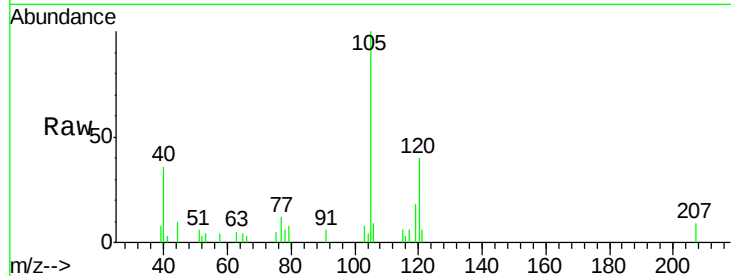
RBR-59

Tot Ion:105 Resp: 9537

Ion Ratio Lower Upper

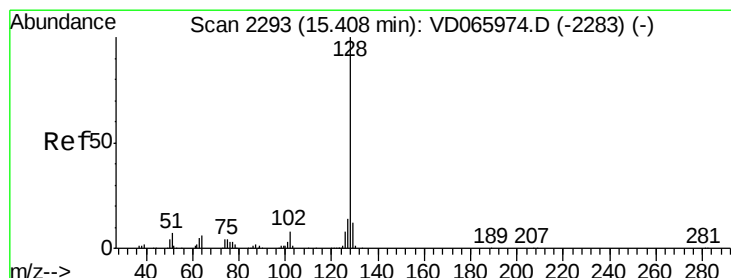
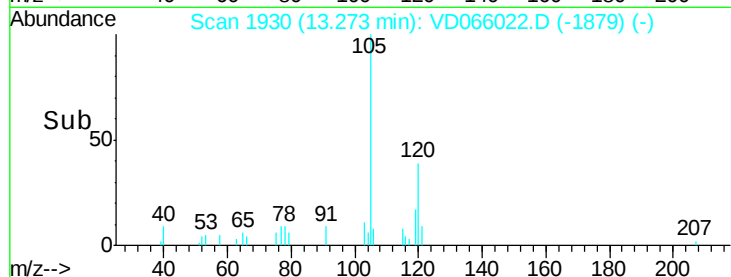
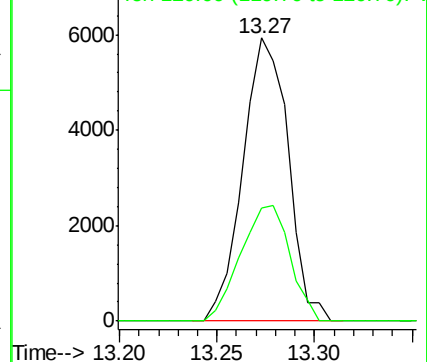
105 100

120 44.4 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.950 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066022.D

Acq: 23 Jul 2020 14:13

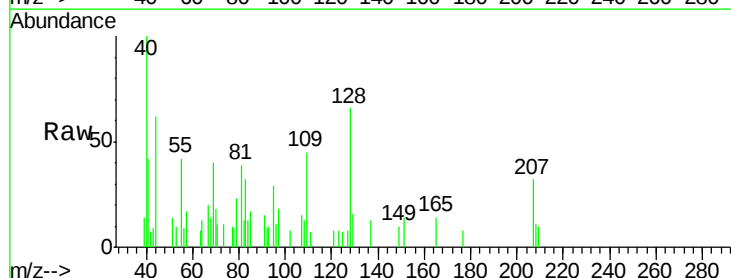
Tgt Ion:128 Resp: 2563

Ion Ratio Lower Upper

128 100

127 16.3 10.8 16.2#

129 16.4 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

