

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072220\
 Data File : VD065997.D
 Acq On : 22 Jul 2020 13:11
 Operator : VA/SY
 Sample : L3182-01RE
 Misc : 8.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-071720RE

Quant Time: Jul 22 15:43:55 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	251200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	463723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	487185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251565	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	131530	64.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.70%	
35) Dibromofluoromethane	7.91	113	148524	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
50) Toluene-d8	10.34	98	557834	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.64	95	220052	60.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.14%	

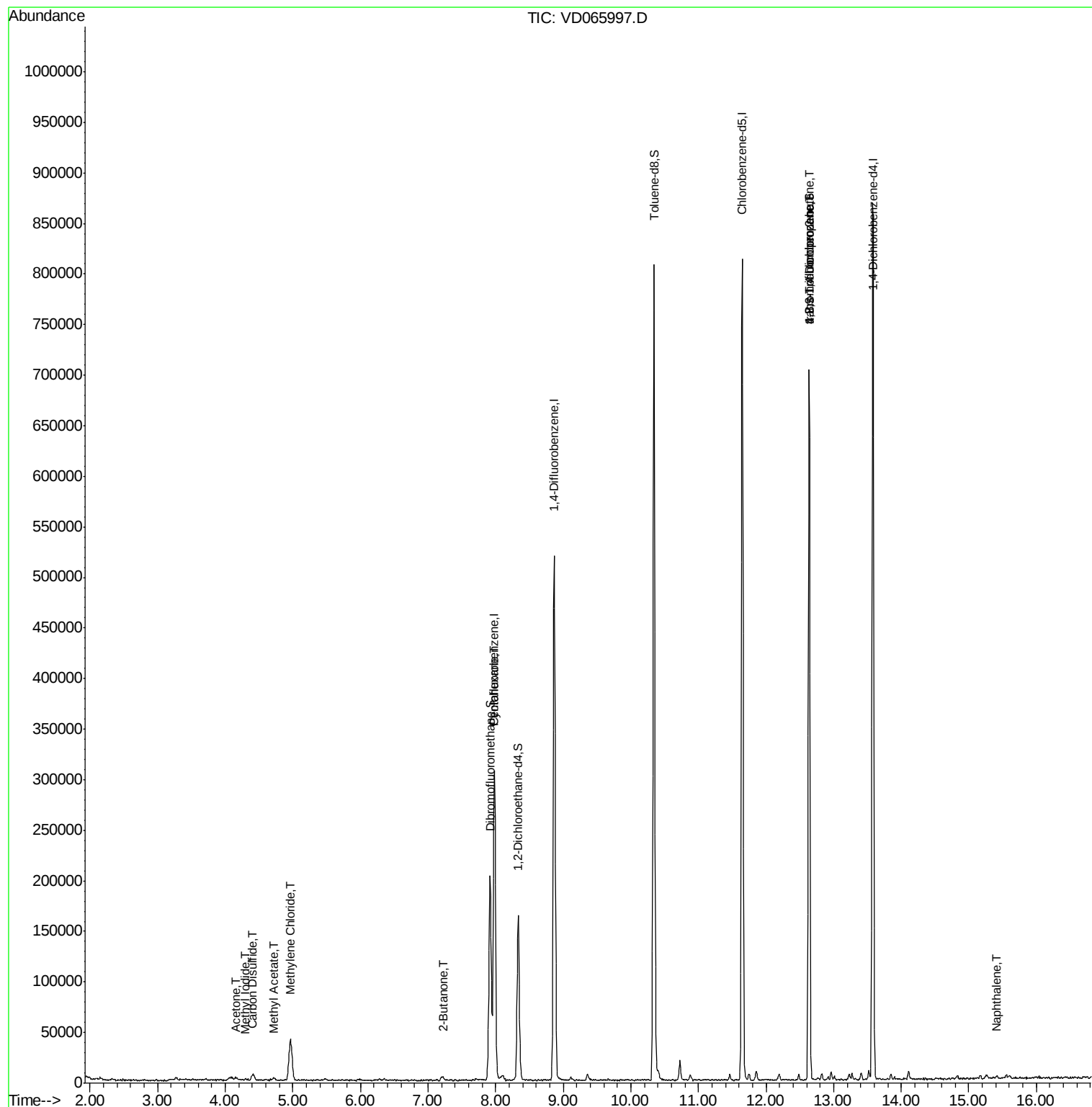
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	734	Below Cal		85
10) Methyl Iodide	4.30	142	1428	9.348	ug/l #	87
11) Tert butyl alcohol	5.21	59	55	Below Cal	#	83
16) Acetone	4.16	43	4952	11.969	ug/l #	83
17) Carbon Disulfide	4.41	76	13736	2.039	ug/l	95
18) Methyl Acetate	4.72	43	2199	2.285	ug/l #	62
20) Methylene Chloride	4.97	84	32899	12.135	ug/l	96
25) 2-Butanone	7.21	43	787	1.434	ug/l #	50
31) Cyclohexane	7.97	56	6210	1.689	ug/l #	23
76) 1,2,3-Trichloropropane	12.64	75	107702	56.860	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107702	130.474	ug/l #	11
95) Naphthalene	15.41	128	2956	3.891	ug/l #	82

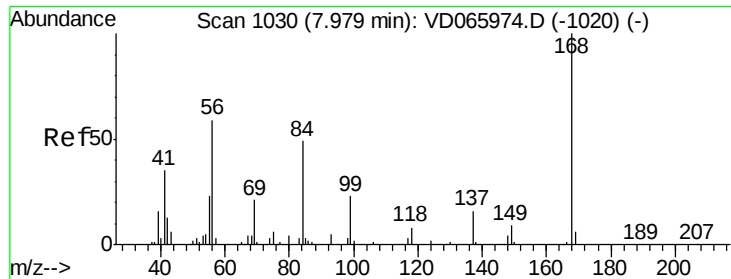
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 22 15:43:55 2020
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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: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

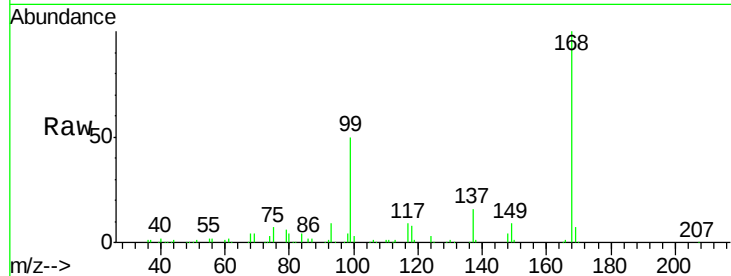
NB-08-071720RE

Tgt Ion:168 Resp: 251200

Ion Ratio Lower Upper

168 100

99 50.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

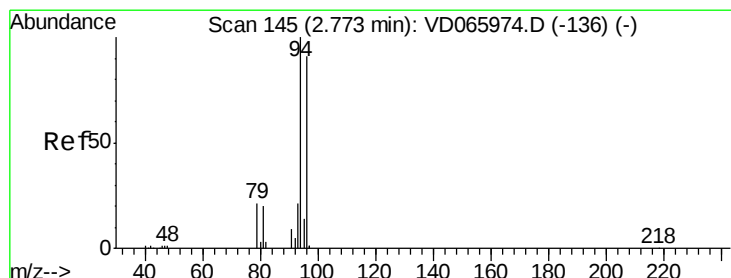
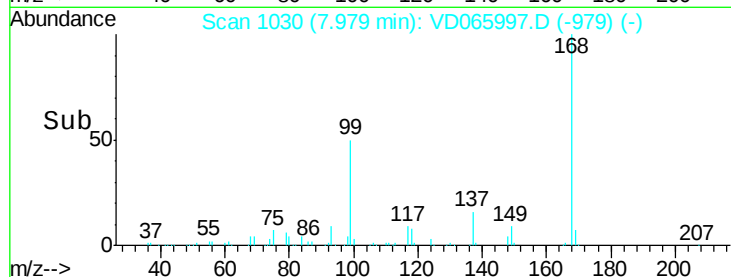
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065997.D

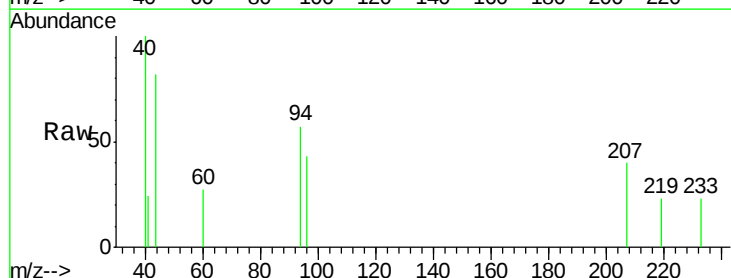
Acq: 22 Jul 2020 13:11

Tgt Ion: 94 Resp: 734

Ion Ratio Lower Upper

94 100

96 76.8 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

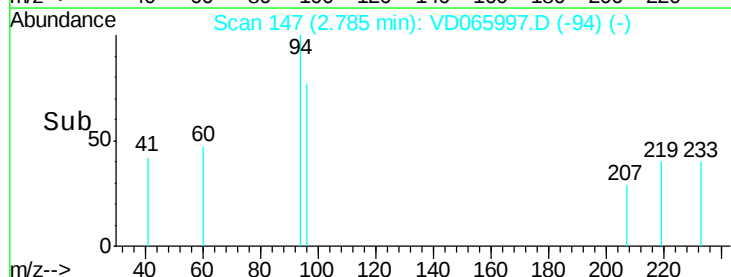
600

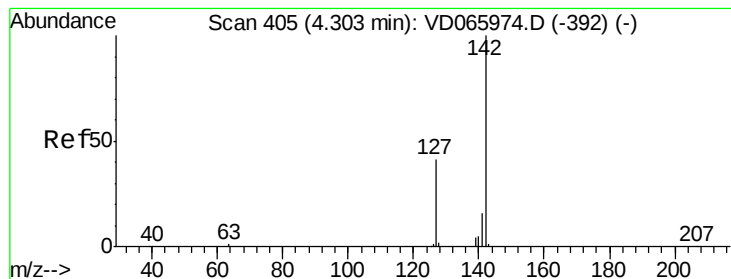
400

200

0

Time-->





#10

Methyl Iodide

Concen: 9.348 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

NB-08-071720RE

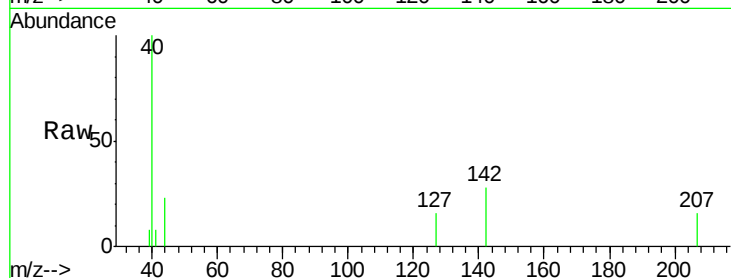
Tgt Ion:142 Resp: 1428

Ion Ratio Lower Upper

142 100

127 38.0 32.9 49.3

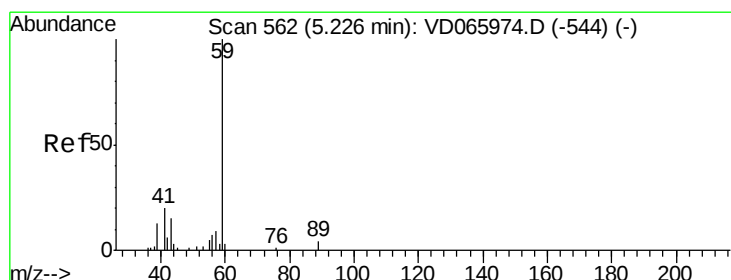
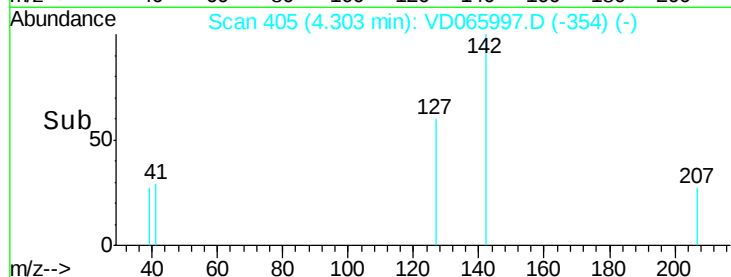
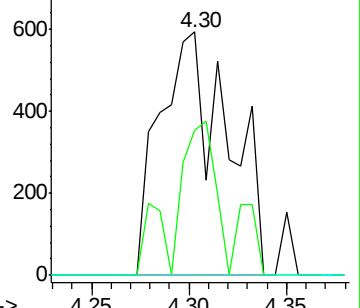
141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065997.D

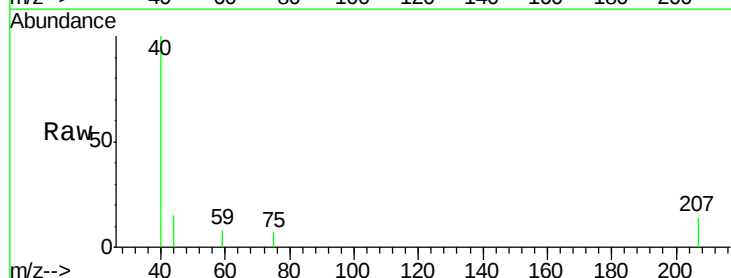
Acq: 22 Jul 2020 13:11

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

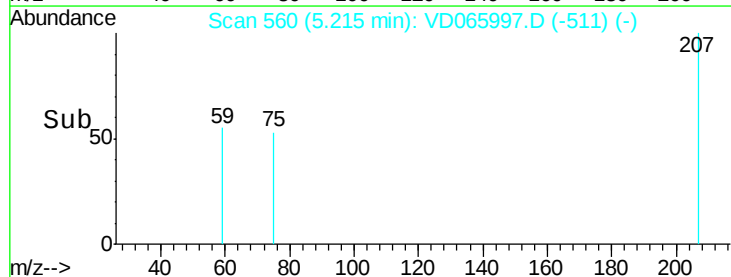
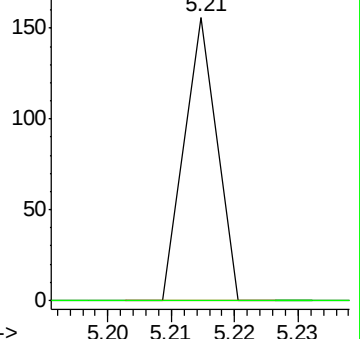
59 100

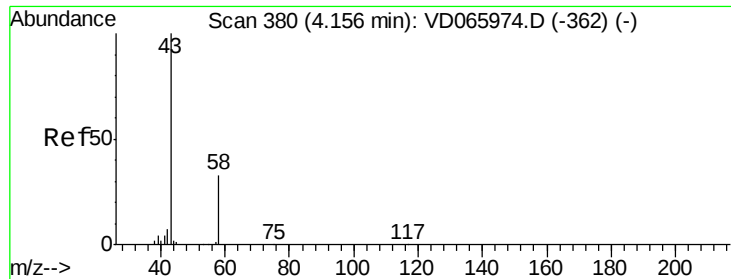
57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 11.969 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

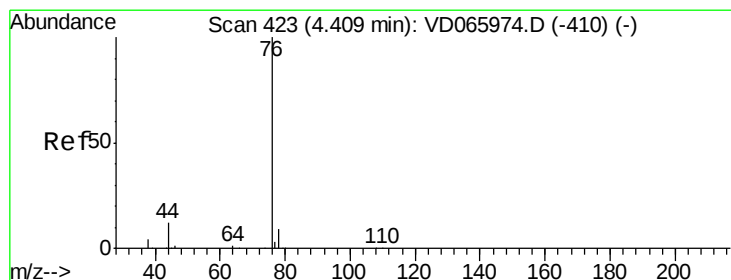
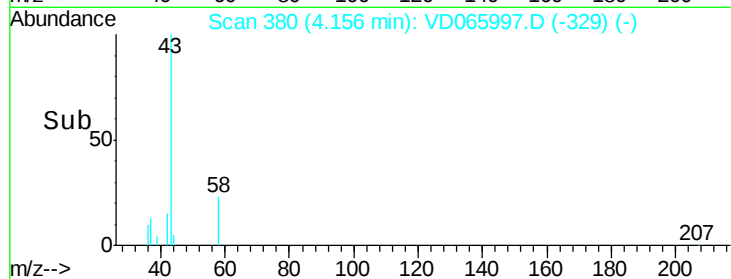
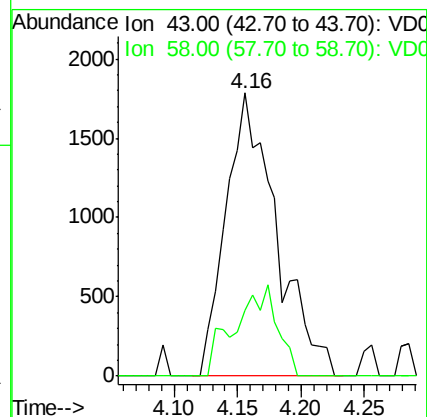
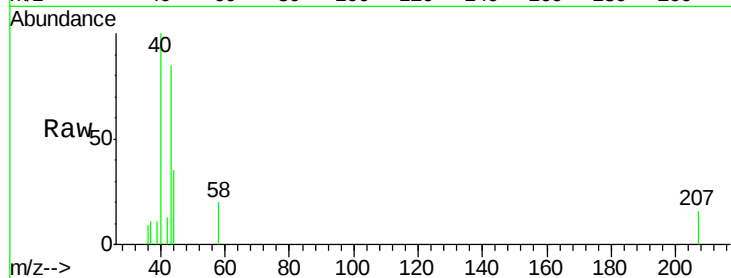
NB-08-071720RE

Tgt Ion: 43 Resp: 4952

Ion Ratio Lower Upper

43 100

58 23.2 26.3 39.5#



#17

Carbon Disulfide

Concen: 2.039 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065997.D

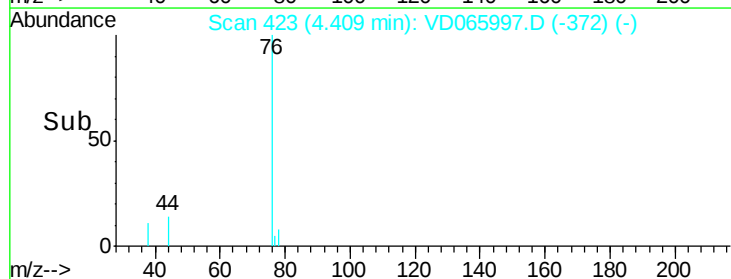
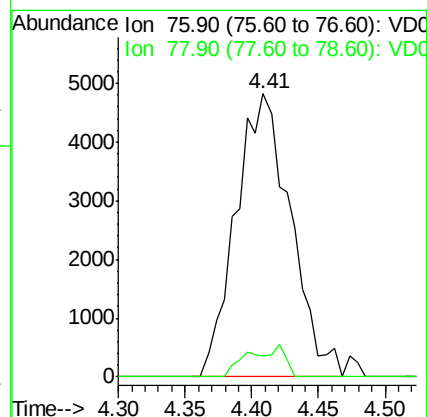
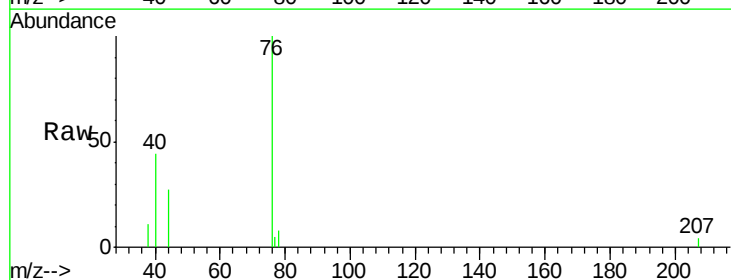
Acq: 22 Jul 2020 13:11

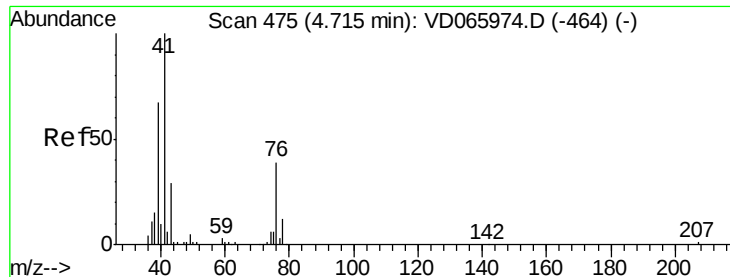
Tgt Ion: 76 Resp: 13736

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.2

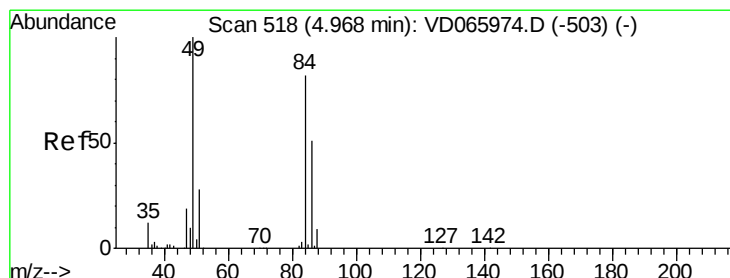
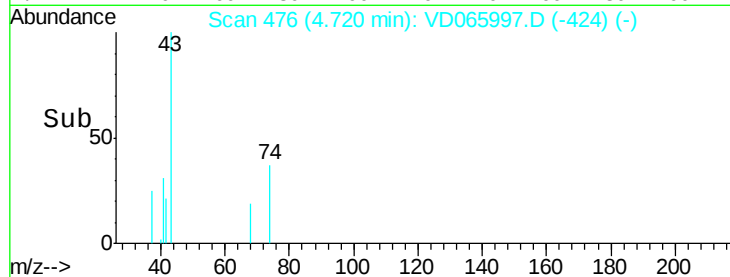
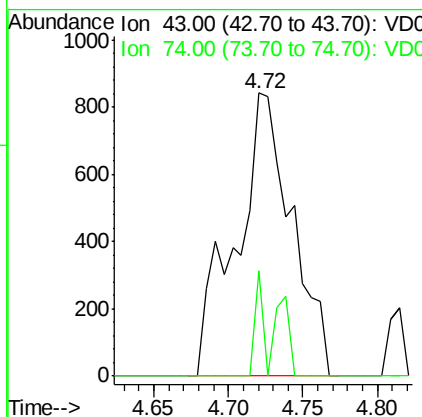
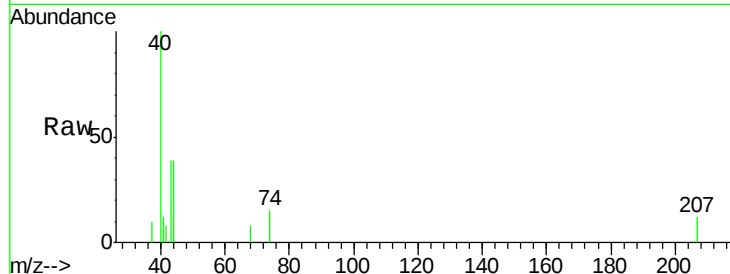




#18
Methyl Acetate
Concen: 2.285 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065997.D
Acq: 22 Jul 2020 13:11

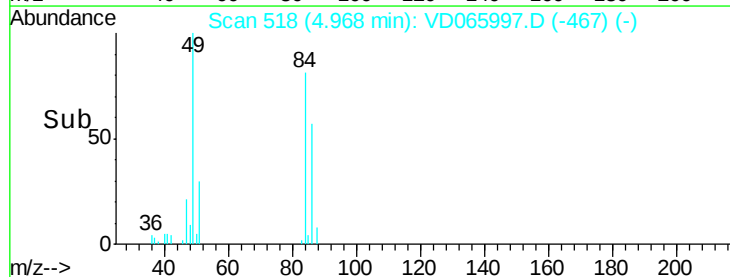
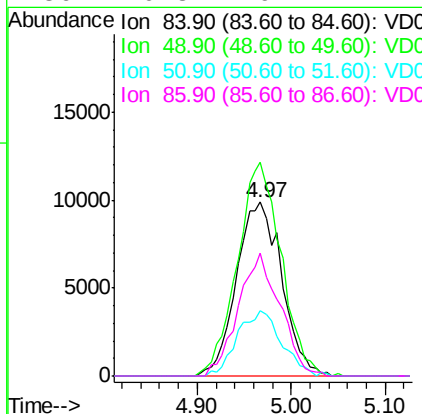
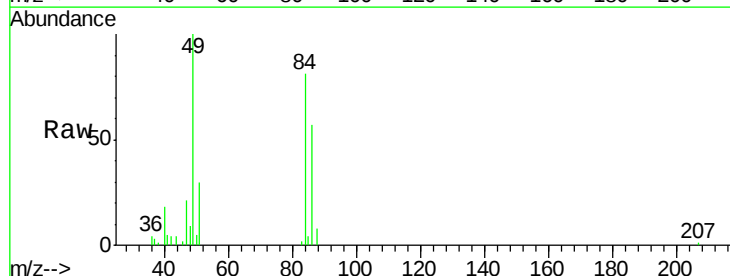
Instrument :
MSVOA_D
ClientSampleId :
NB-08-071720RE

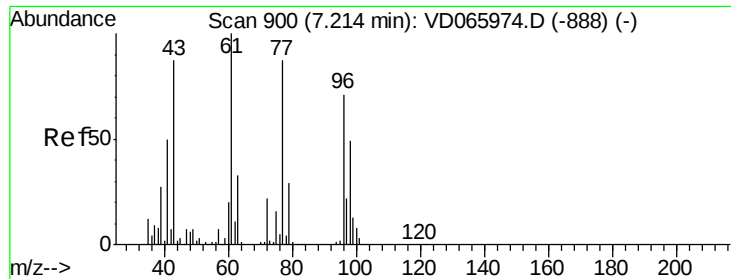
Tgt Ion: 43 Resp: 2199
Ion Ratio Lower Upper
43 100
74 5.0 19.2 28.8#



#20
Methylene Chloride
Concen: 12.135 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065997.D
Acq: 22 Jul 2020 13:11

Tgt Ion: 84 Resp: 32899
Ion Ratio Lower Upper
84 100
49 122.8 97.7 146.5
51 37.4 27.4 41.2
86 70.3 49.4 74.2





#25

2-Butanone

Concen: 1.434 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

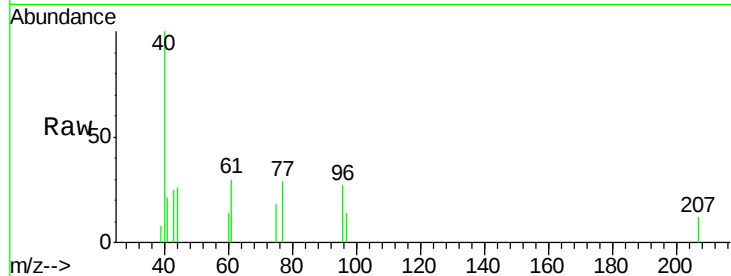
NB-08-071720RE

Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

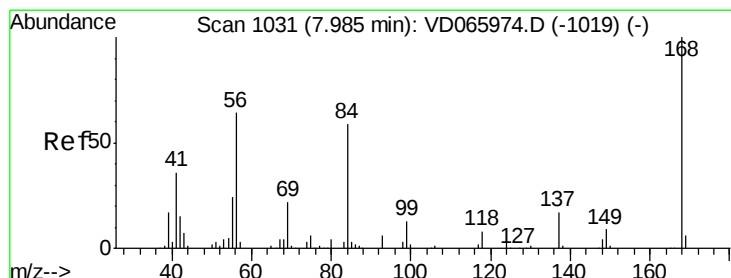
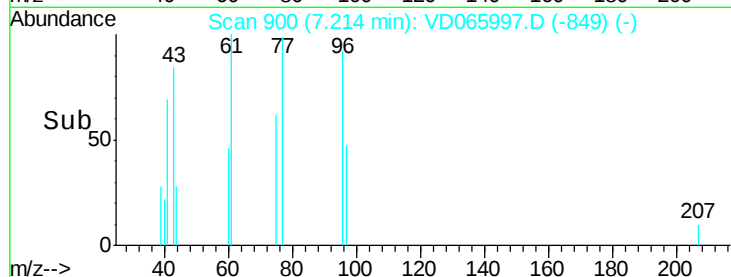
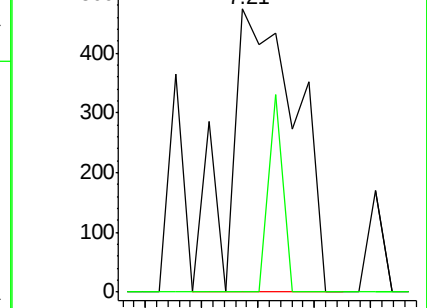
43 100

72 0.0 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: 1.689 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

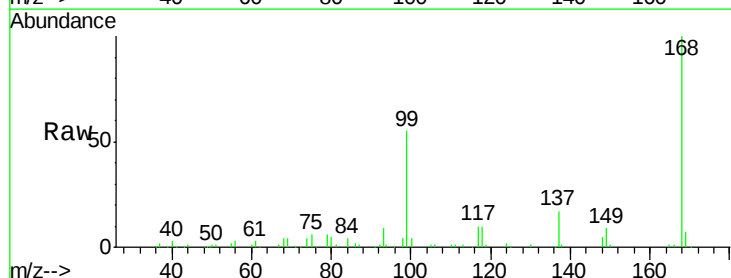
Tgt Ion: 56 Resp: 6210

Ion Ratio Lower Upper

56 100

69 125.0 28.0 42.0#

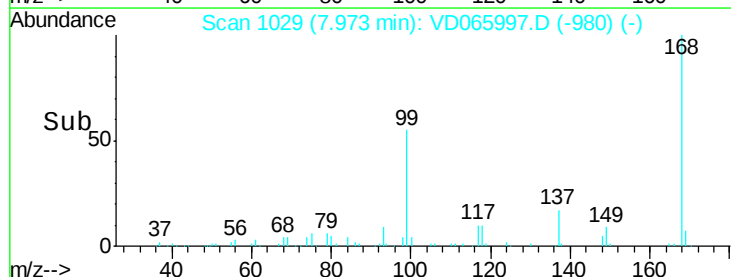
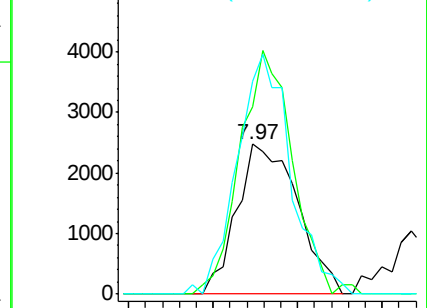
84 135.4 72.6 109.0#

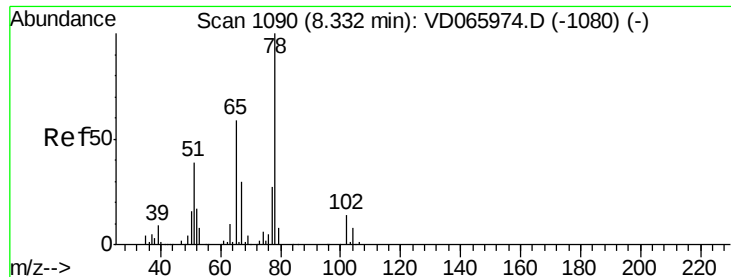


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

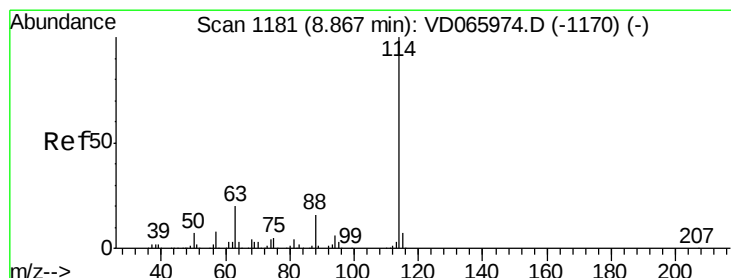
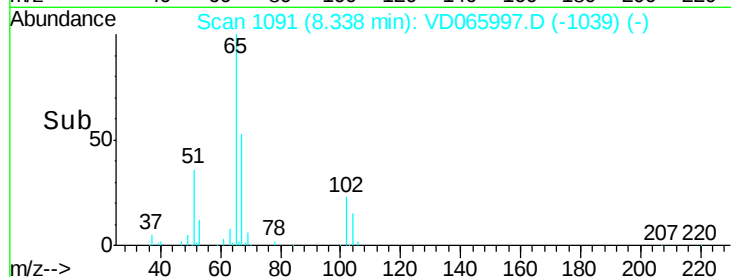
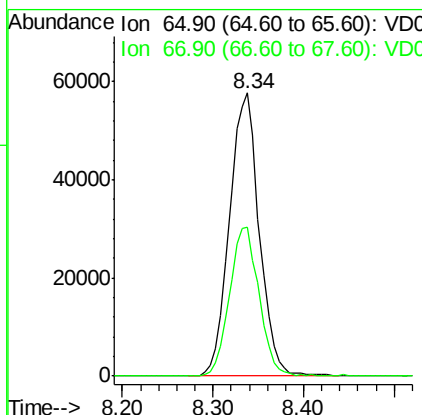
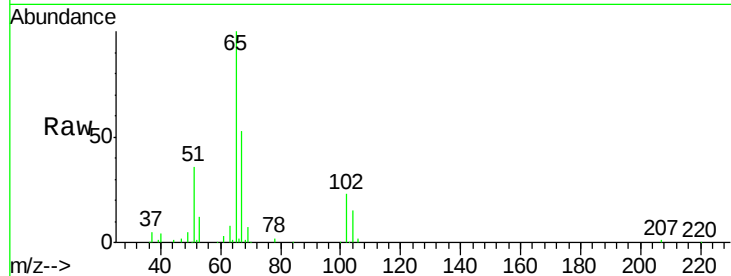




#33
 1,2-Dichloroethane-d4
 Concen: 64.350 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065997.D
 Acq: 22 Jul 2020 13:11

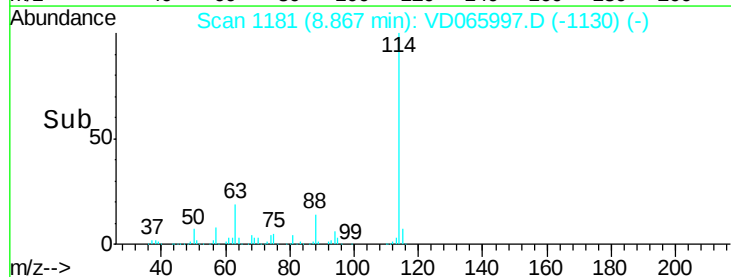
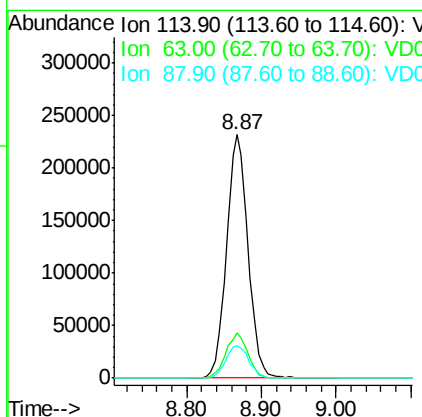
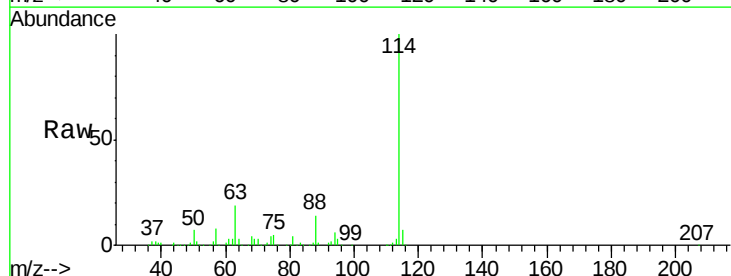
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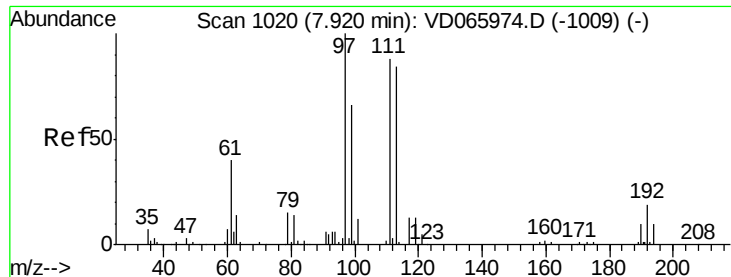
Tgt Ion: 65 Resp: 131530
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065997.D
 Acq: 22 Jul 2020 13:11

Tgt Ion: 114 Resp: 463723
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 13.6 0.0 31.2

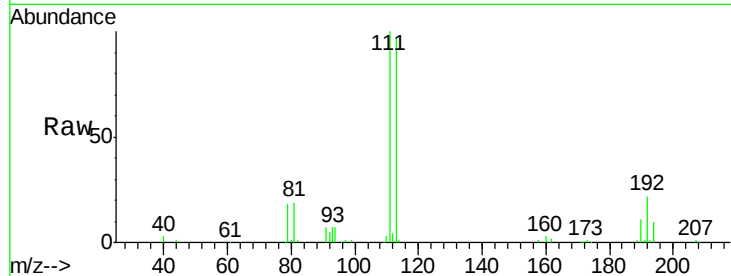




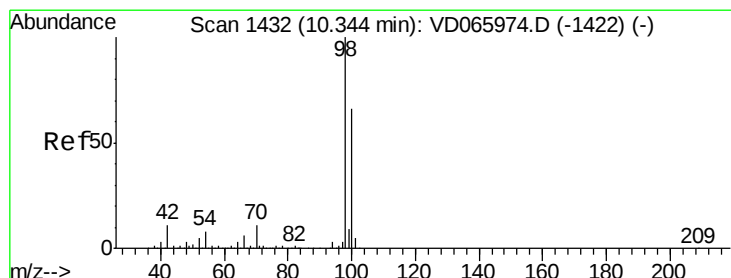
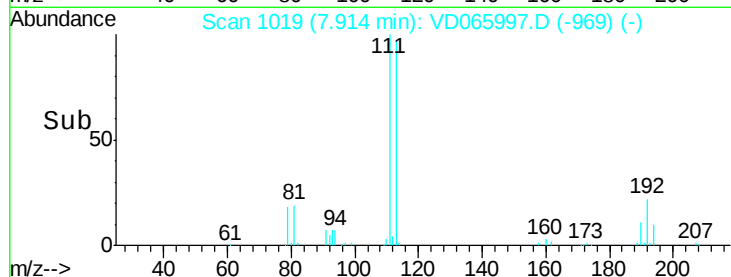
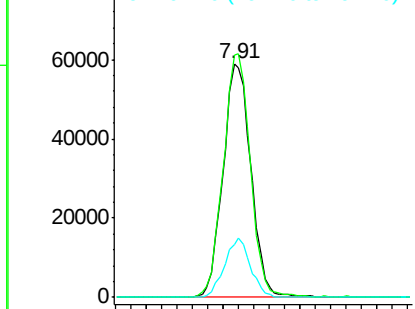
#35
Dibromofluoromethane
Concen: 52.806 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065997.D
Acq: 22 Jul 2020 13:11

Instrument :
MSVOA_D
ClientSampleId :
NB-08-071720RE

Tgt Ion:113 Resp: 148524
Ion Ratio Lower Upper
113 100
111 101.4 83.2 124.8
192 23.5 18.7 28.1

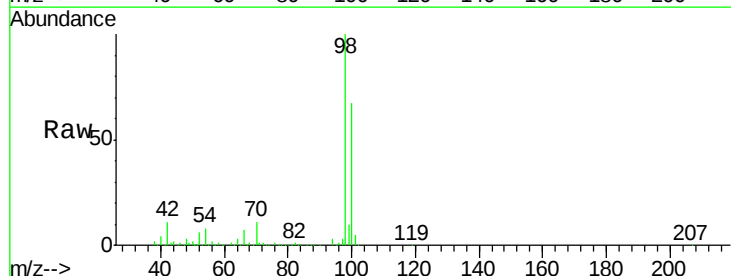


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

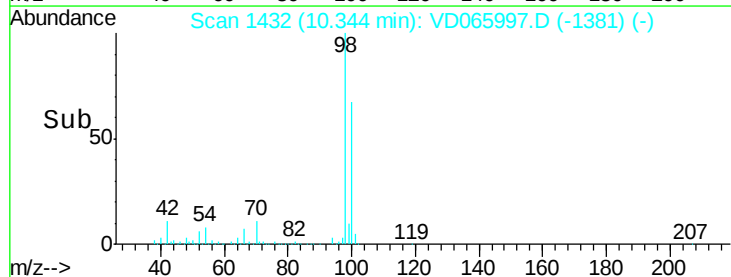
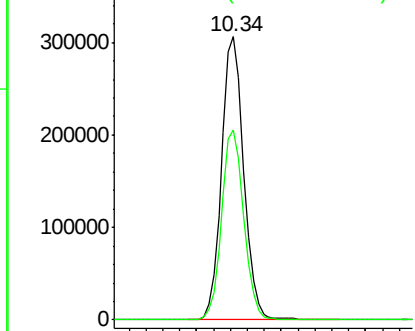


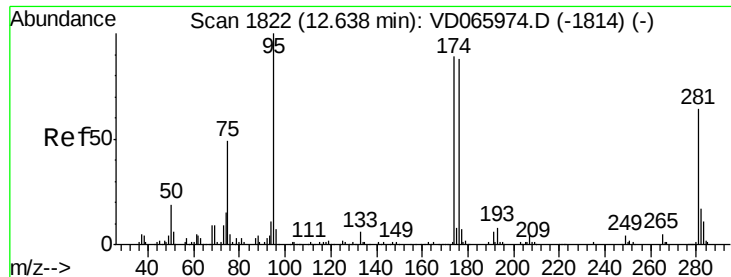
#50
Toluene-d8
Concen: 53.240 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065997.D
Acq: 22 Jul 2020 13:11

Tgt Ion: 98 Resp: 557834
Ion Ratio Lower Upper
98 100
100 66.7 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: 60.570 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

NB-08-071720RE

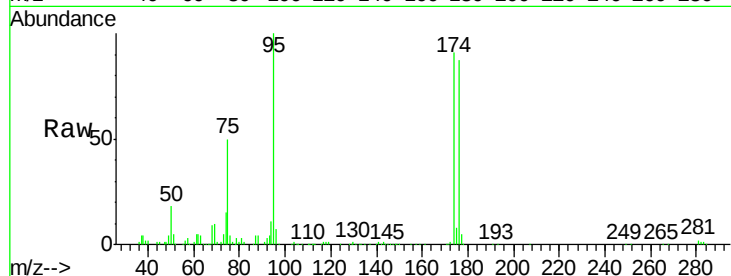
Tgt Ion: 95 Resp: 220052

Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.8

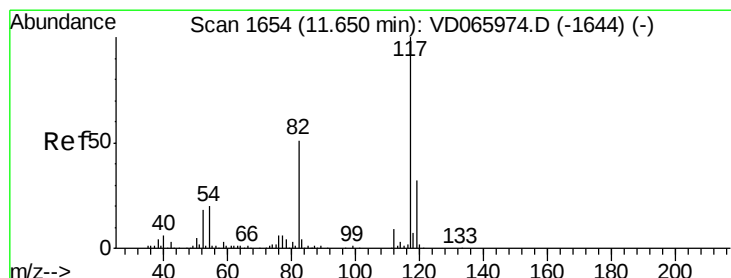
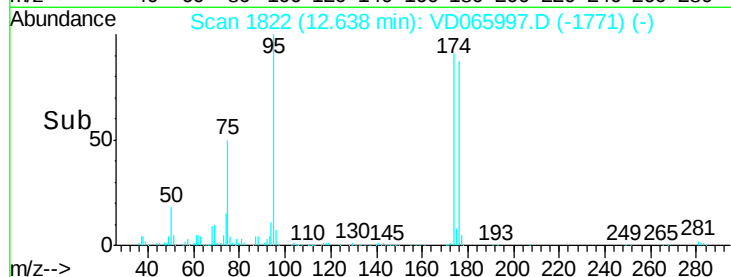
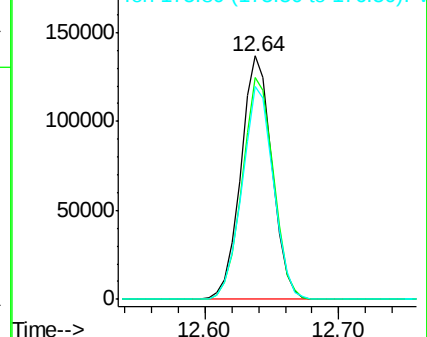
176 87.7 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

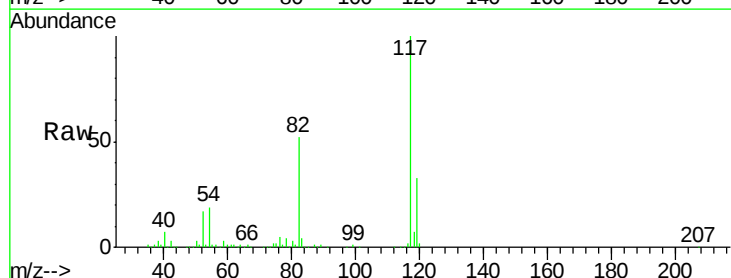
Tgt Ion: 117 Resp: 487185

Ion Ratio Lower Upper

117 100

82 52.2 41.1 61.7

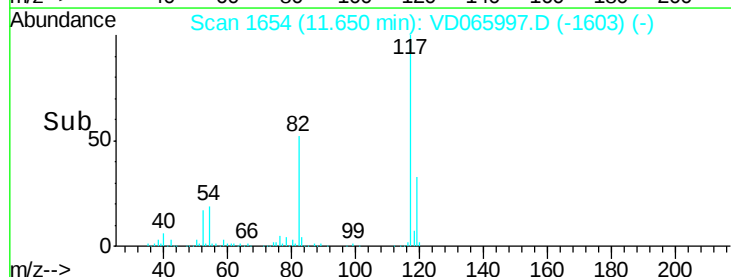
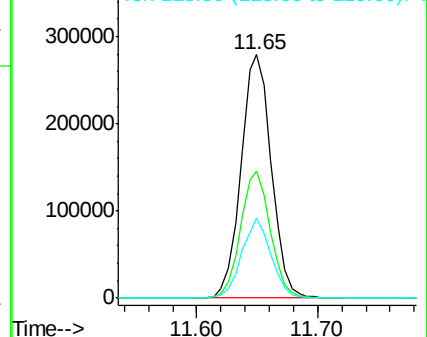
119 32.6 25.9 38.9

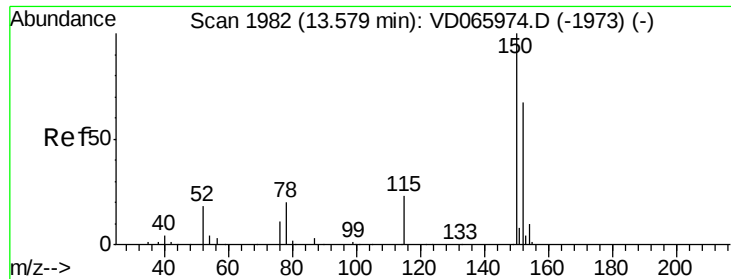


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

NB-08-071720RE

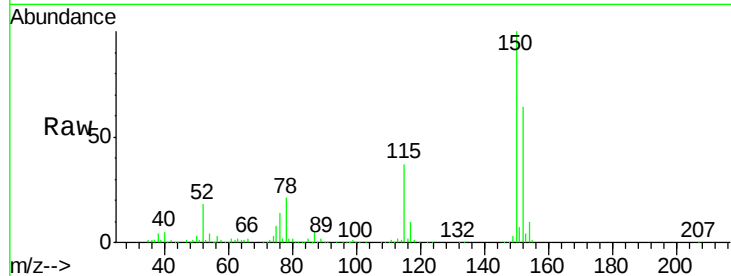
Tgt Ion: 152 Resp: 251565

Ion Ratio Lower Upper

152 100

115 55.2 27.9 83.7

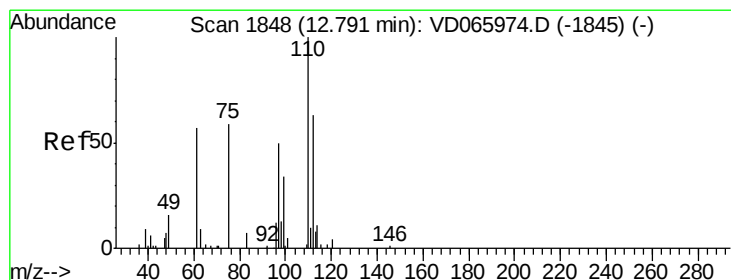
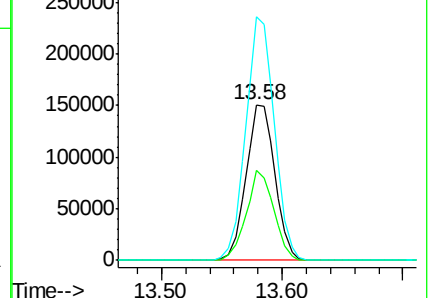
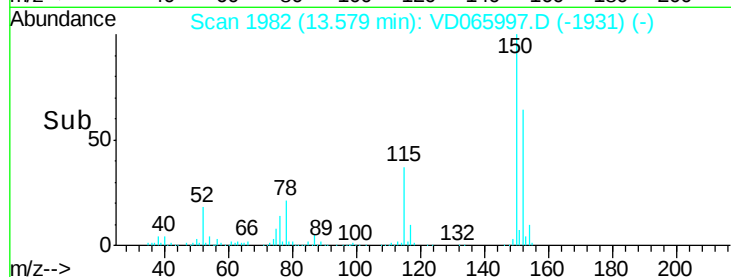
150 155.3 0.0 348.2



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: 56.860 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065997.D

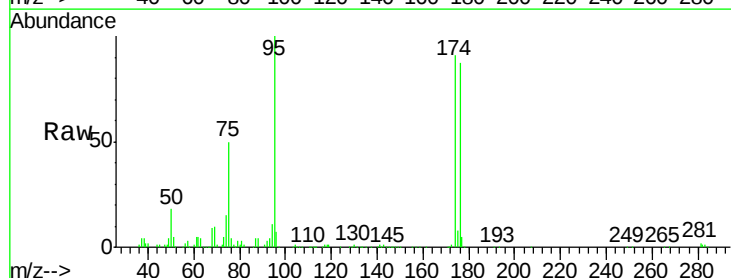
Acq: 22 Jul 2020 13:11

Tgt Ion: 75 Resp: 107702

Ion Ratio Lower Upper

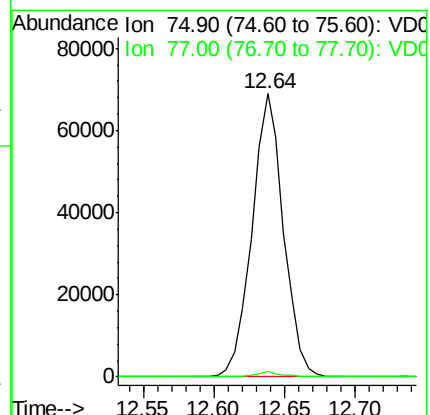
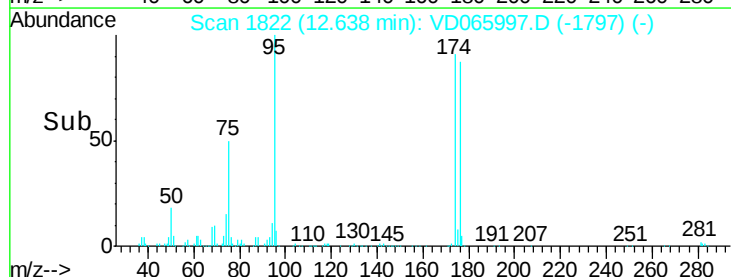
75 100

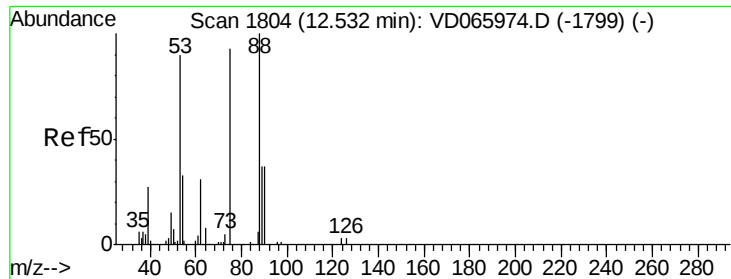
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.474 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

Instrument :

MSVOA_D

ClientSampleId :

NB-08-071720RE

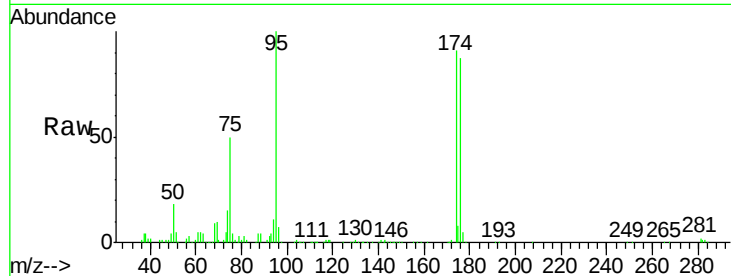
Tgt Ion: 75 Resp: 107702

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

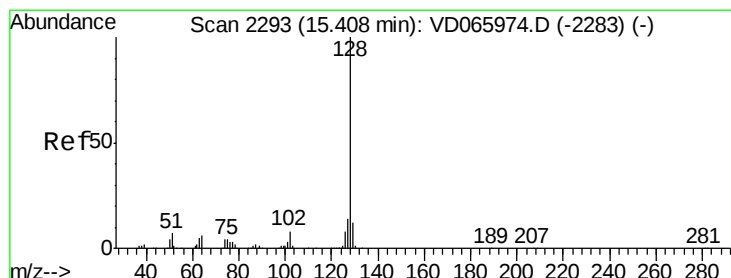
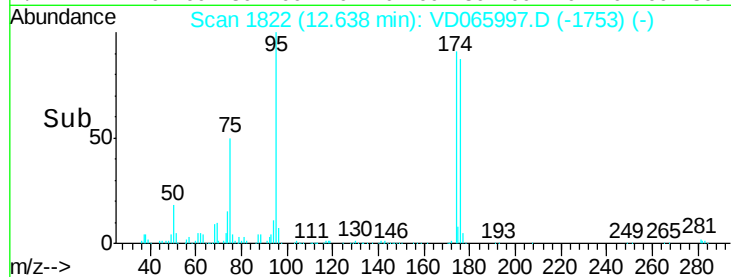
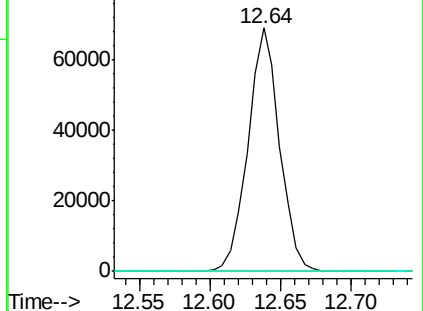
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#95

Naphthalene

Concen: 3.891 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065997.D

Acq: 22 Jul 2020 13:11

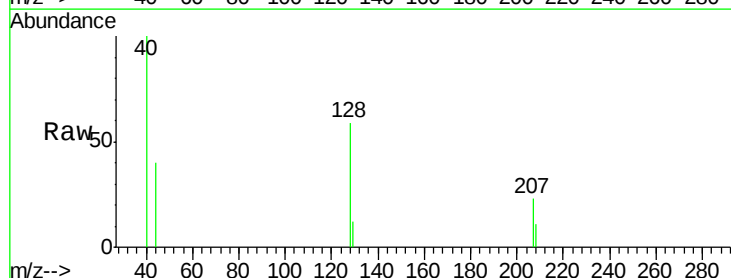
Tgt Ion: 128 Resp: 2956

Ion Ratio Lower Upper

128 100

127 9.8 10.8 16.2#

129 0.0 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

