

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065802.D
 Acq On : 18 Jun 2020 12:31
 Operator : VA/SY
 Sample : L2811-01
 Misc : 6.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-061620

Quant Time: Jun 19 01:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	147496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	249654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	211716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	70819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	76891	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	7.91	113	77677	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.34	98	252702	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	12.64	95	70135	35.17	ug/l	0.00
Spiked Amount			Recovery	=	70.34%	

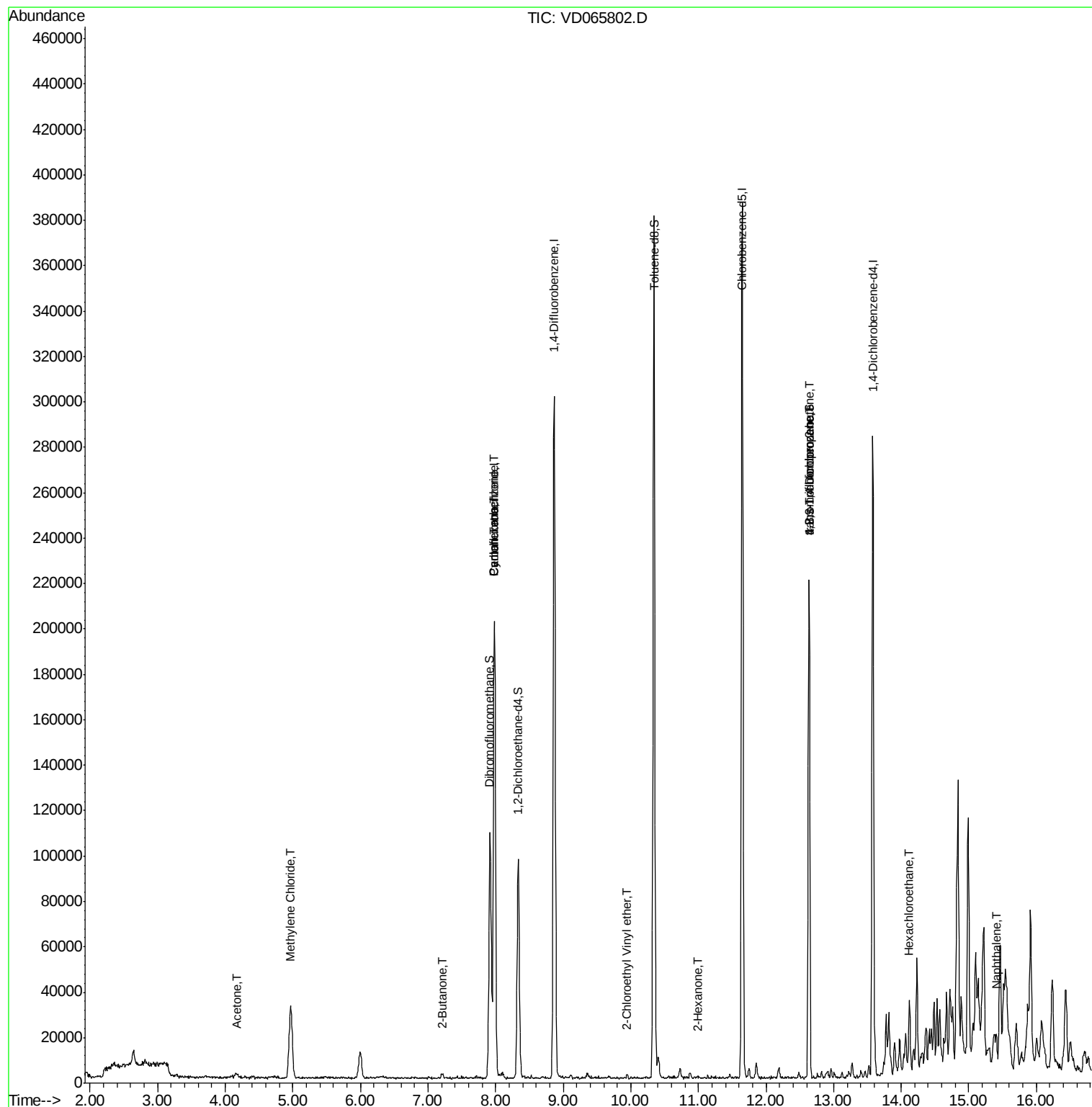
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	338	Below Cal		97
3) Chloromethane	2.20	50	559	Below Cal	#	71
16) Acetone	4.17	43	4311	15.681	ug/l	96
18) Methyl Acetate	4.72	43	65	Below Cal	#	52
20) Methylene Chloride	4.97	84	23960	13.130	ug/l	98
25) 2-Butanone	7.22	43	721	1.899	ug/l	# 52
31) Cyclohexane	7.98	56	4797	1.835	ug/l	# 66
38) Carbon Tetrachloride	7.98	117	15992	6.354	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.94	63	801	1.230	ug/l	# 46
59) 2-Hexanone	10.98	43	621	1.004	ug/l	# 54
76) 1,2,3-Trichloropropane	12.64	75	38394	69.710	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	38394	150.616	ug/l	# 9
90) Hexachloroethane	14.13	117	1932	2.207	ug/l	# 12
95) Naphthalene	15.41	128	4473	2.037	ug/l	# 86

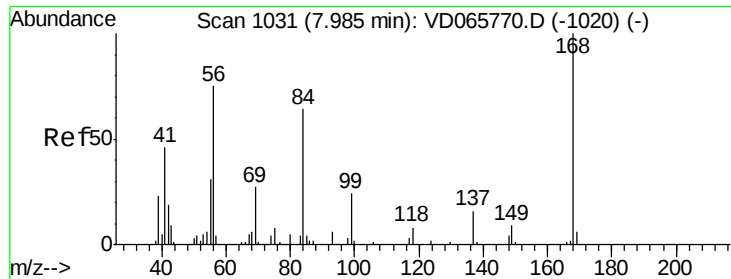
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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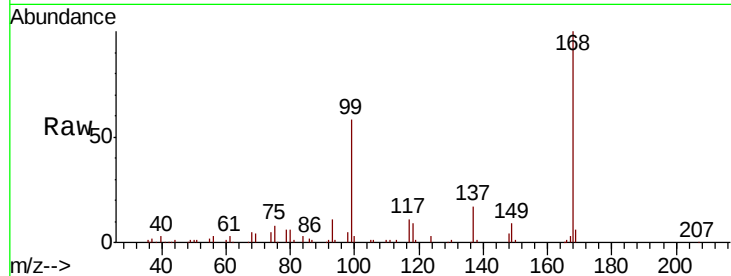




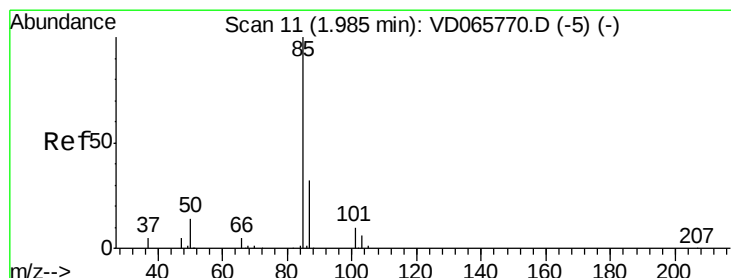
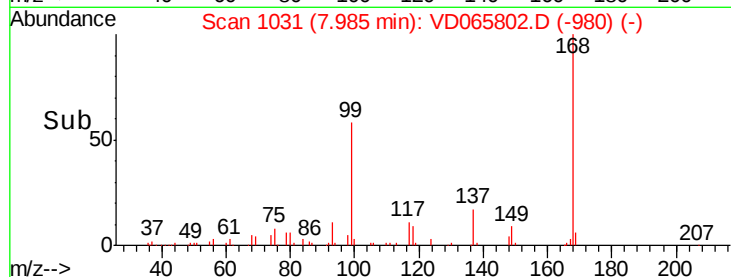
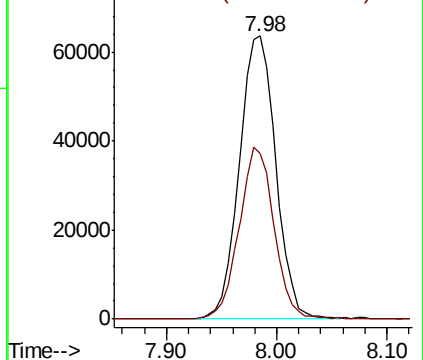
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
NB-08-061620

Tot Ion:168 Resp: 147496
Ion Ratio Lower Upper
168 100
99 58.5 45.3 67.9

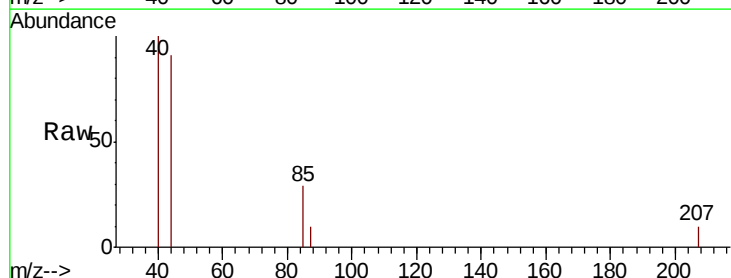


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

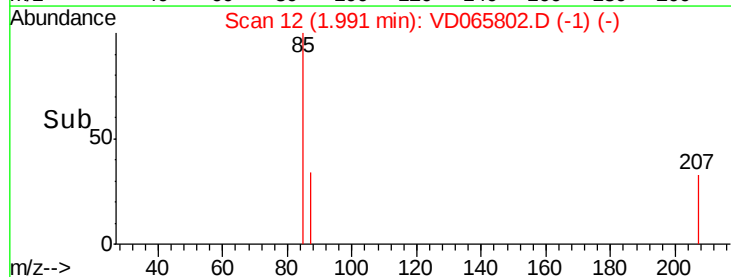
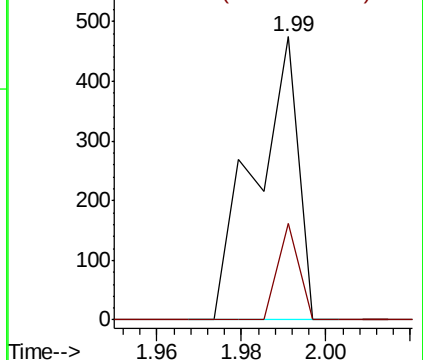


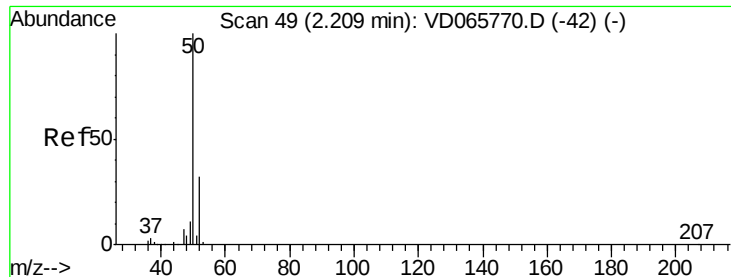
#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

Tgt Ion: 85 Resp: 338
Ion Ratio Lower Upper
85 100
87 34.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

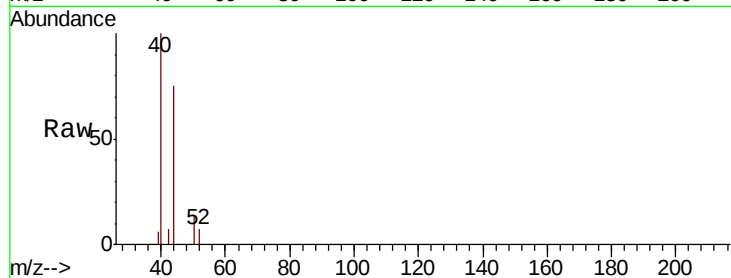
NB-08-061620

Tot Ion: 50 Resp: 559

Ion Ratio Lower Upper

50 100

52 48.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

400

300

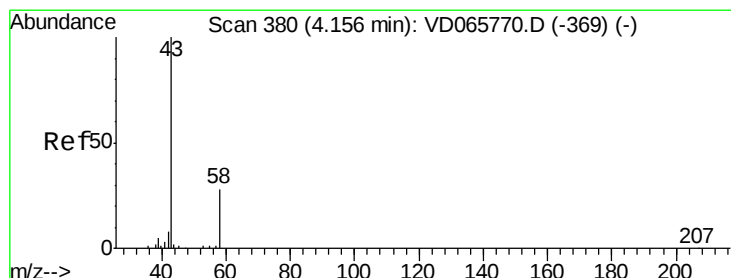
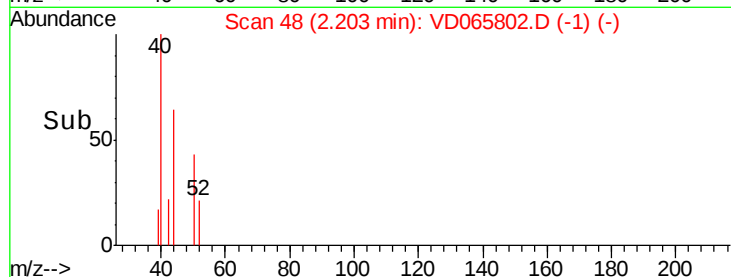
200

100

0

2.16 2.18 2.20 2.22 2.24

Time-->



#16

Acetone

Concen: 15.681 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065802.D

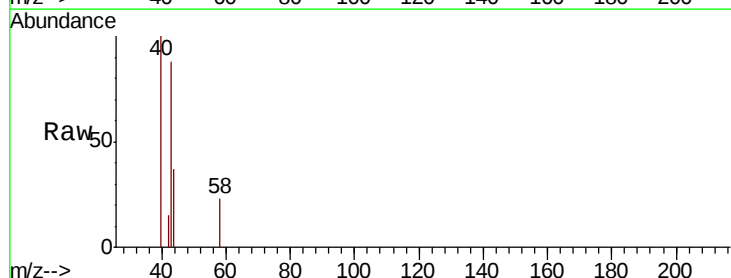
Acq: 18 Jun 2020 12:31

Tgt Ion: 43 Resp: 4311

Ion Ratio Lower Upper

43 100

58 25.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

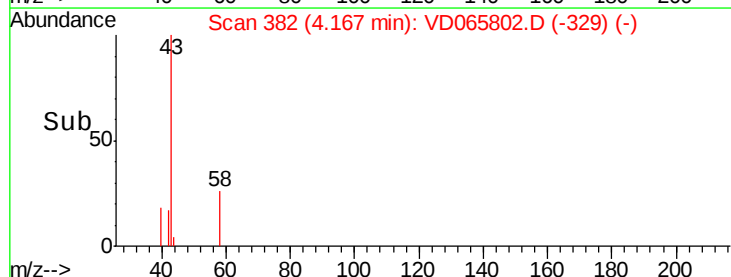
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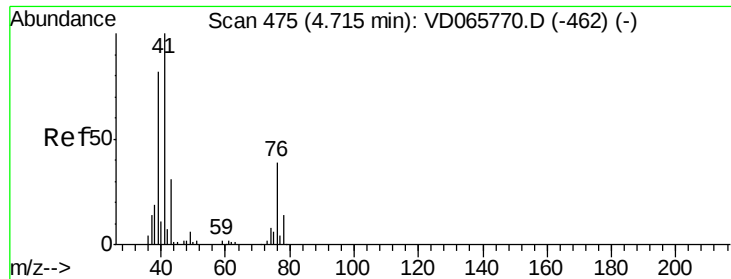
500

0

4.05 4.10 4.15 4.20 4.25

Time-->

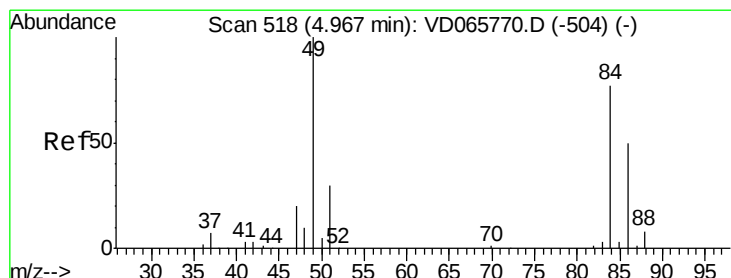
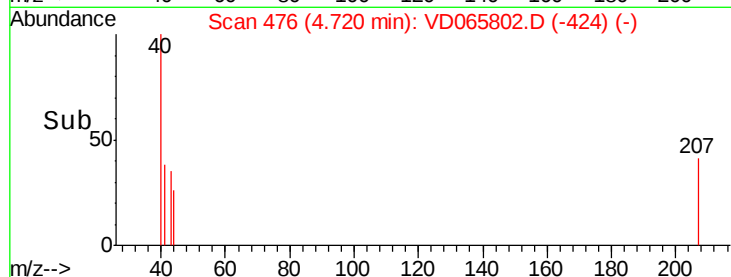
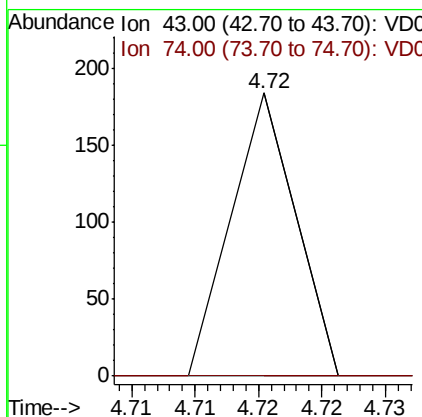
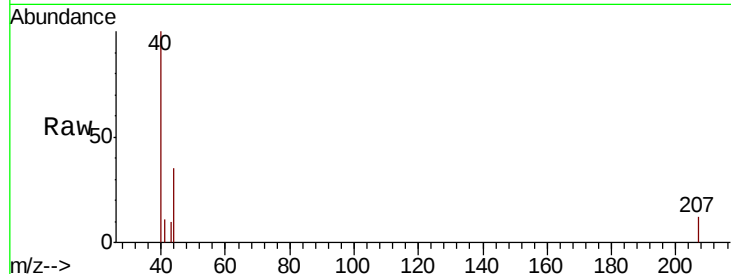




#18
Methyl Acetate
Concen: Below Cal
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

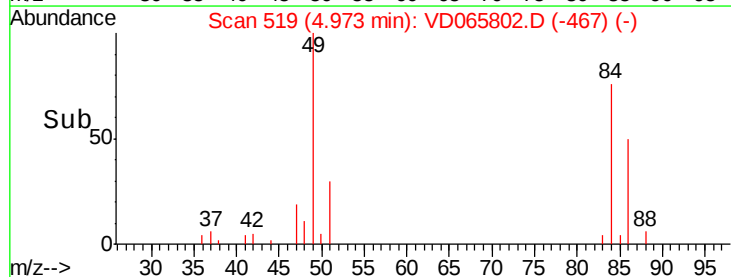
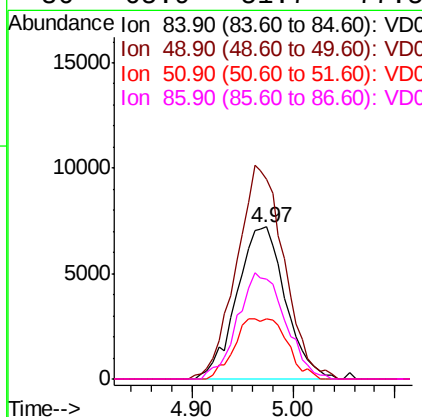
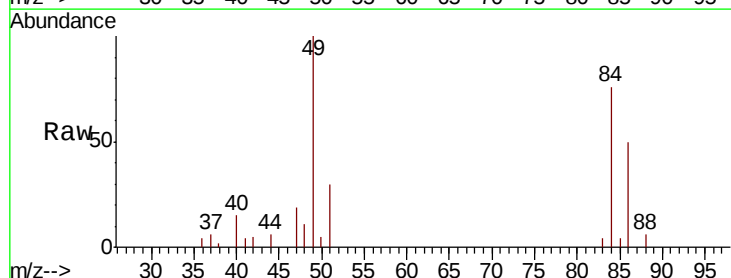
Instrument :
MSVOA_D
ClientSampleId :
NB-08-061620

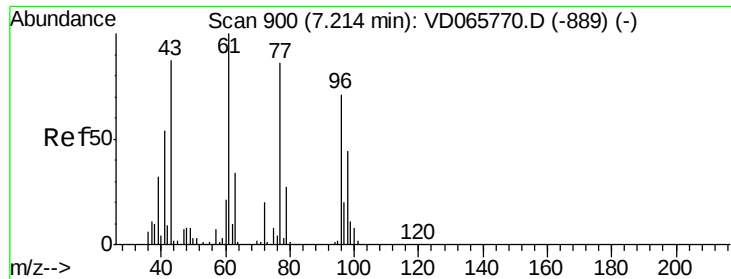
Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 13.130 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

Tgt Ion: 84 Resp: 23960
Ion Ratio Lower Upper
84 100
49 131.5 103.4 155.0
51 39.8 31.4 47.2
86 65.9 51.7 77.5





#25

2-Butanone

Concen: 1.899 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

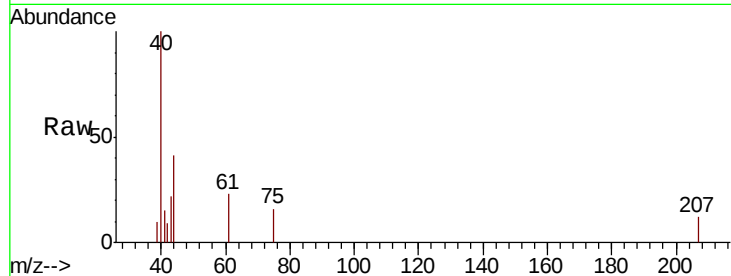
NB-08-061620

Tot Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

400

300

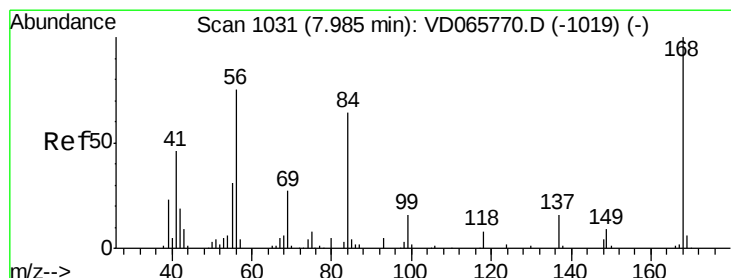
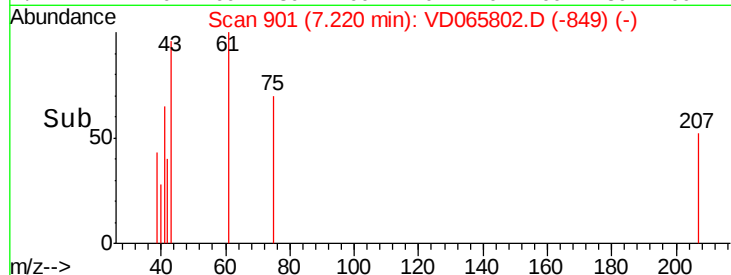
200

100

0

7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.835 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

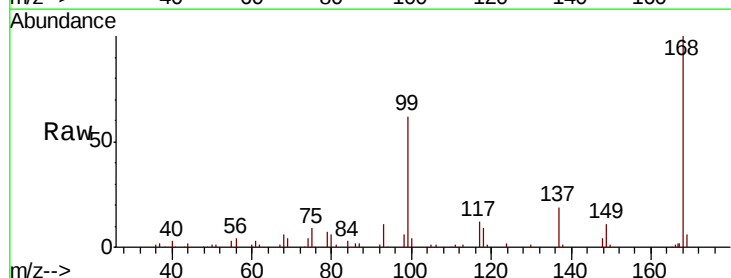
Tgt Ion: 56 Resp: 4797

Ion Ratio Lower Upper

56 100

69 98.4 28.5 42.7#

84 82.3 68.4 102.6



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

3000

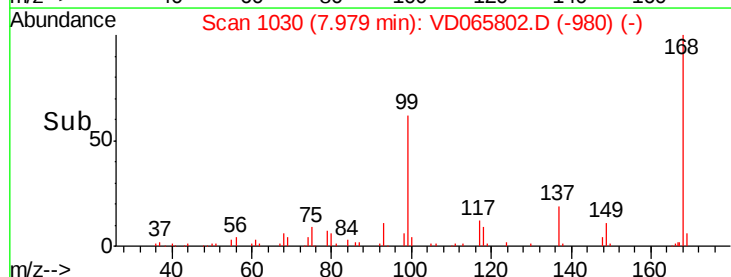
2000

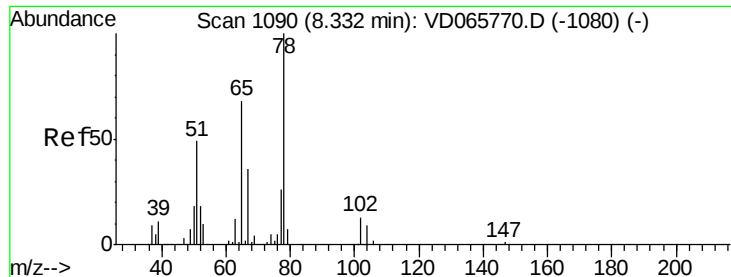
1000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.757 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

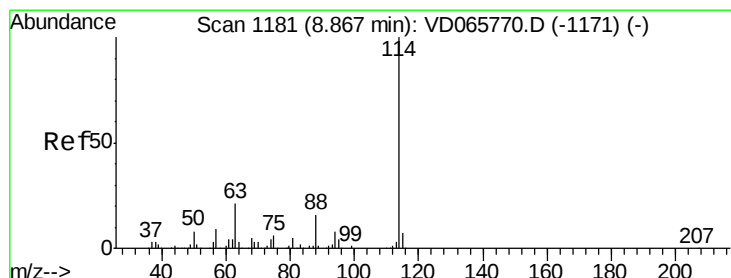
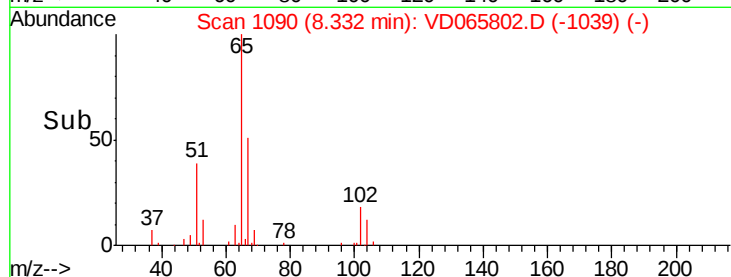
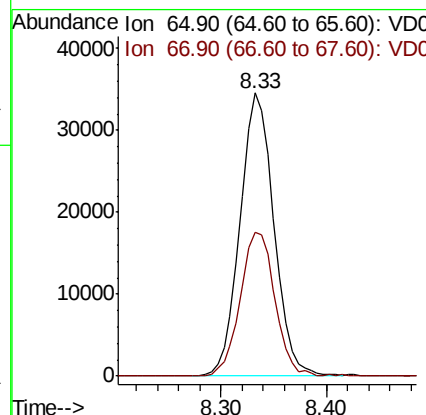
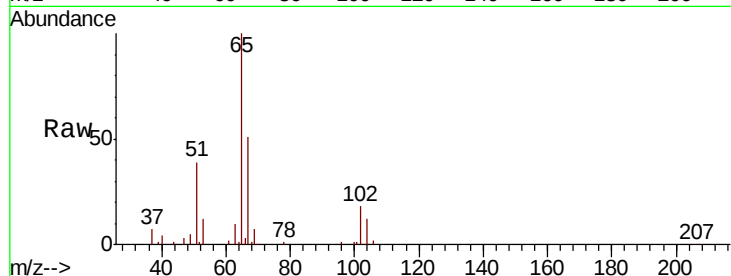
NB-08-061620

Tot Ion: 65 Resp: 76891

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

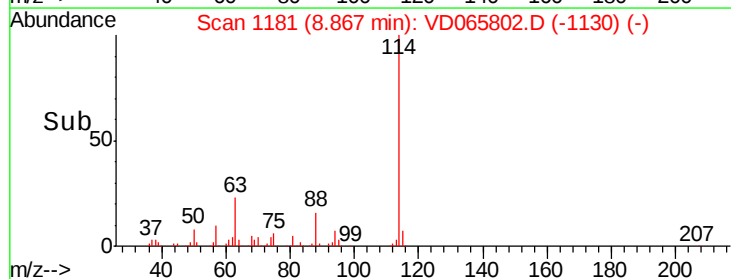
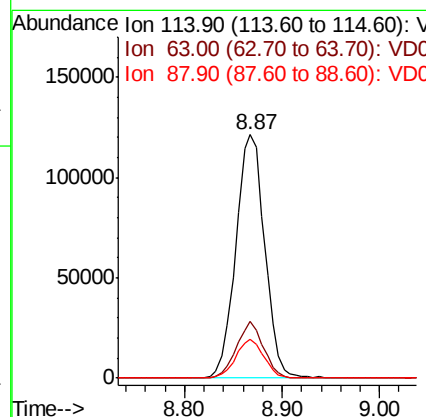
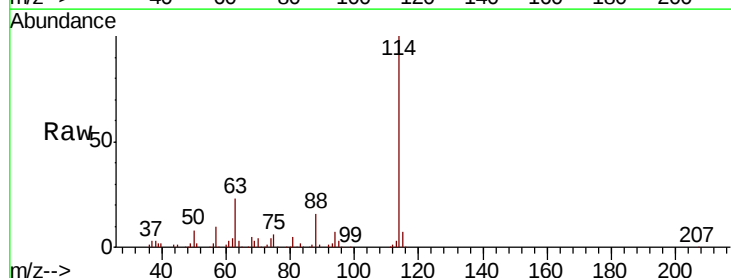
Tgt Ion: 114 Resp: 249654

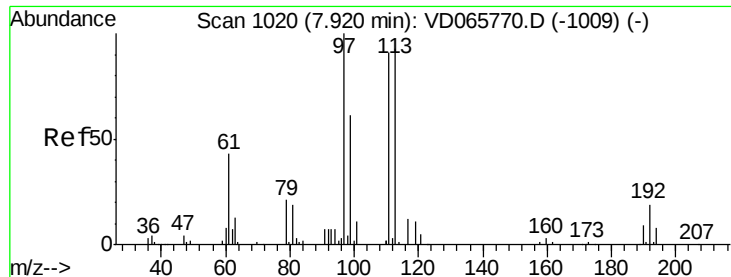
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 15.9 0.0 32.0

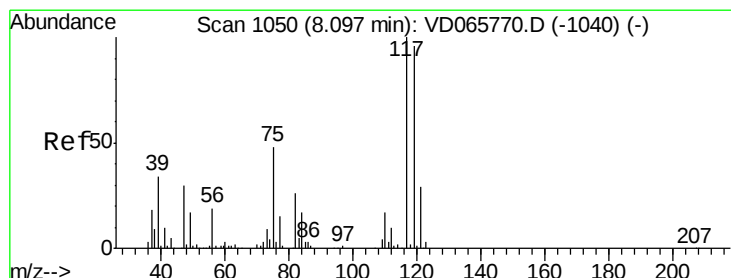
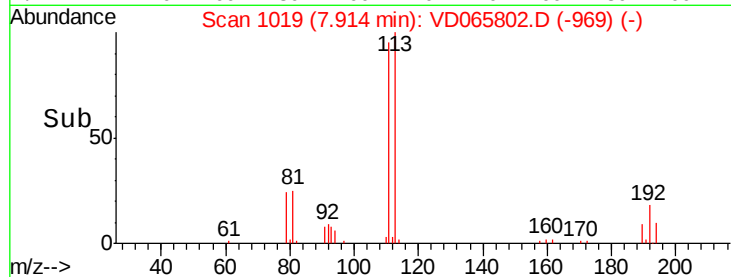
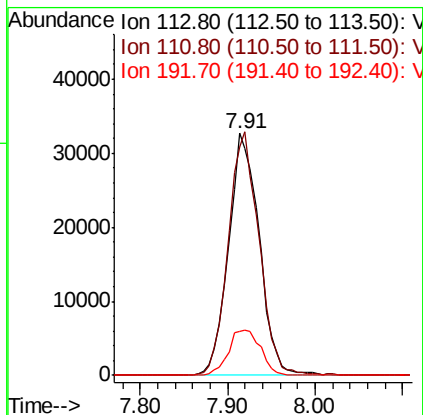
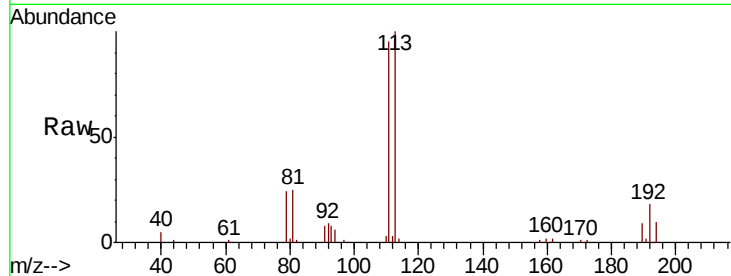




#35
Dibromofluoromethane
Concen: 49.257 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

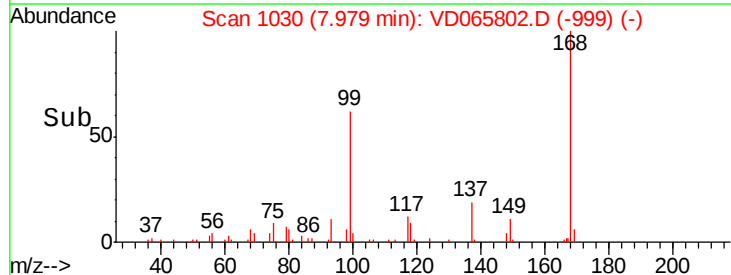
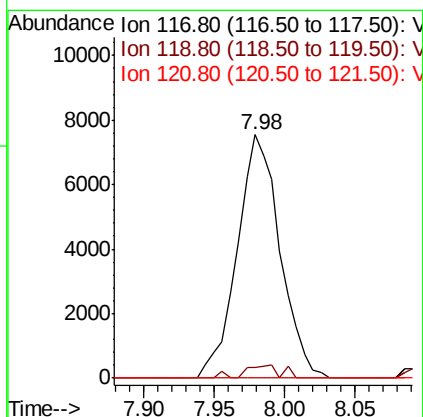
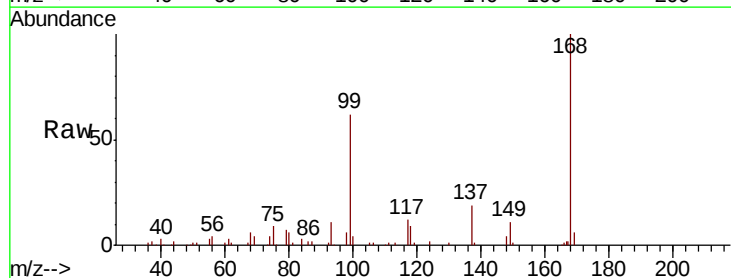
Instrument :
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NB-08-061620

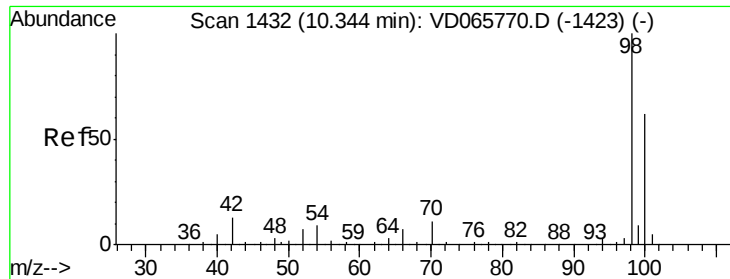
Tot Ion:113 Resp: 77677
Ion Ratio Lower Upper
113 100
111 100.7 83.4 125.0
192 19.5 15.7 23.5



#38
Carbon Tetrachloride
Concen: 6.354 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

Tgt Ion:117 Resp: 15992
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 42.974 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

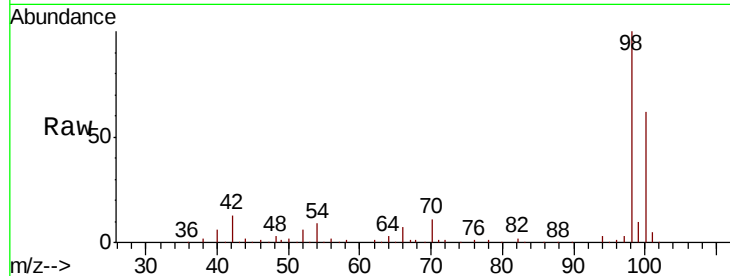
NB-08-061620

Tot Ion: 98 Resp: 252702

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

150000

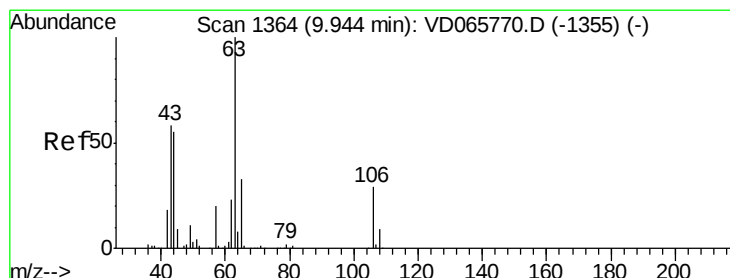
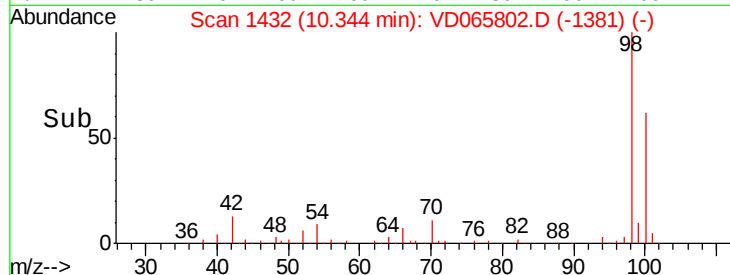
100000

50000

0

Time-->

10.30 10.40



#58

2-Chloroethyl Vinyl ether

Concen: 1.230 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD065802.D

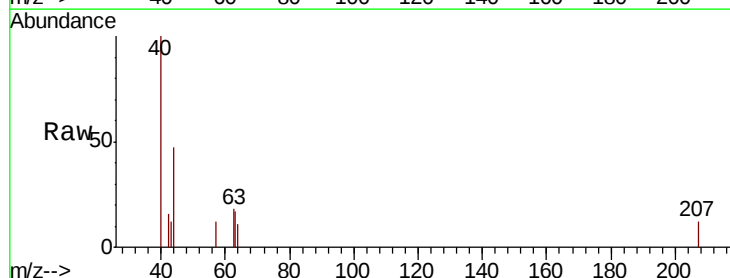
Acq: 18 Jun 2020 12:31

Tgt Ion: 63 Resp: 801

Ion Ratio Lower Upper

63 100

106 0.0 23.2 34.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

600

500

400

300

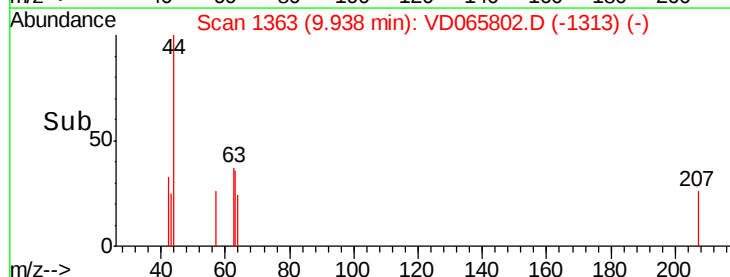
200

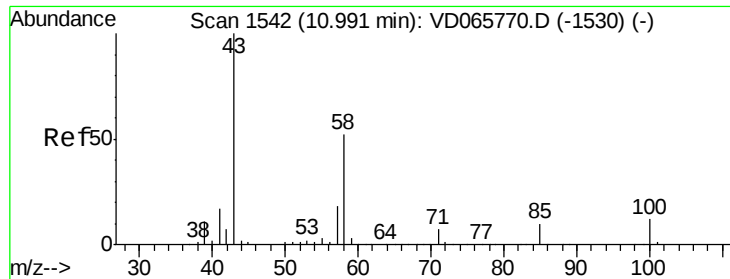
100

0

Time-->

9.90 9.95





#59

2-Hexanone

Concen: 1.004 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

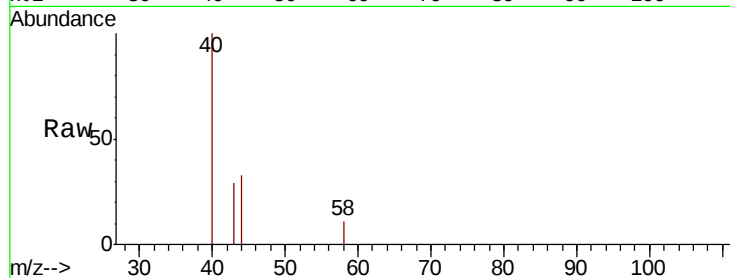
NB-08-061620

Tot Ion: 43 Resp: 621

Ion Ratio Lower Upper

43 100

58 19.3 25.7 77.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.98

400

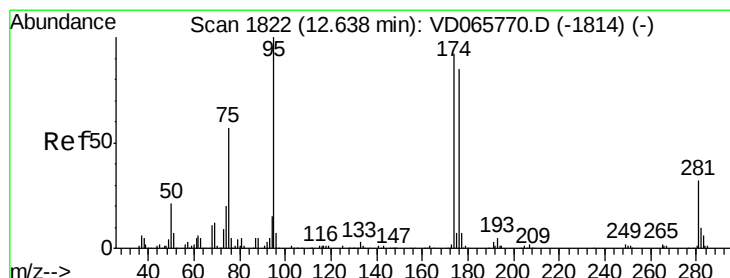
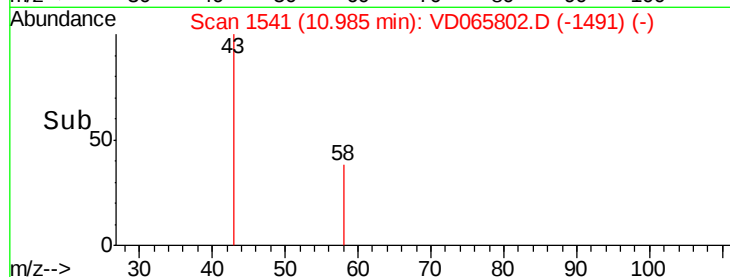
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.169 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

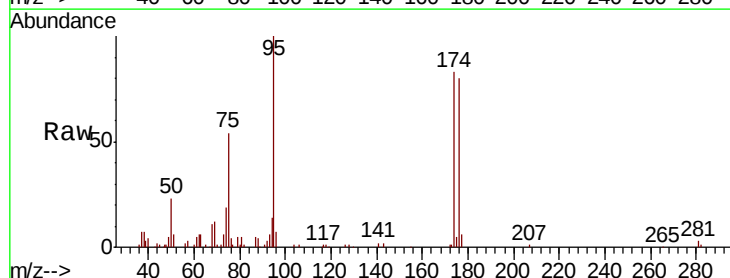
Tgt Ion: 95 Resp: 70135

Ion Ratio Lower Upper

95 100

174 82.3 0.0 175.2

176 77.1 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

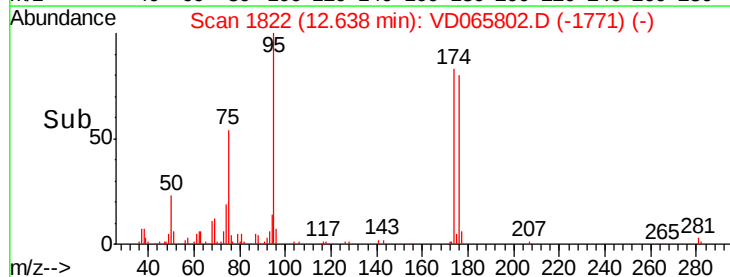
30000

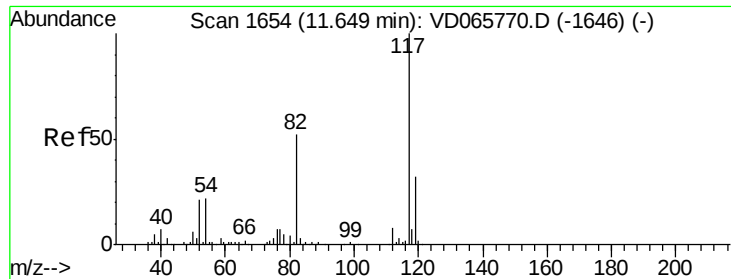
20000

10000

0

Time-->

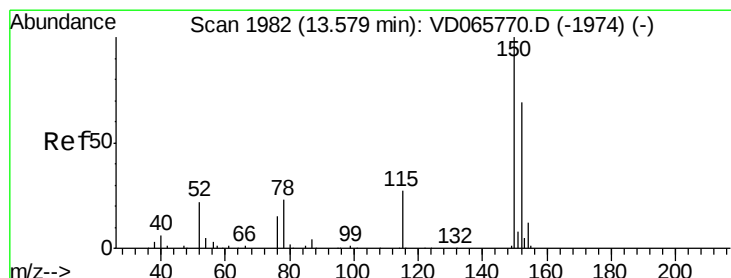
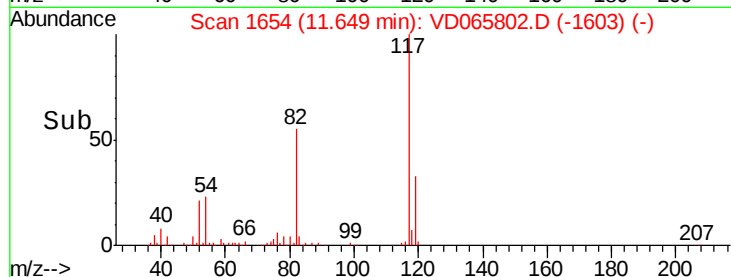
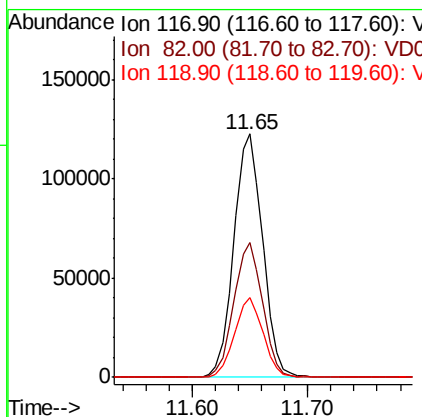
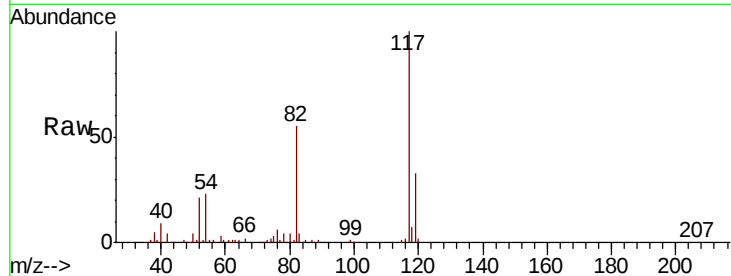




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

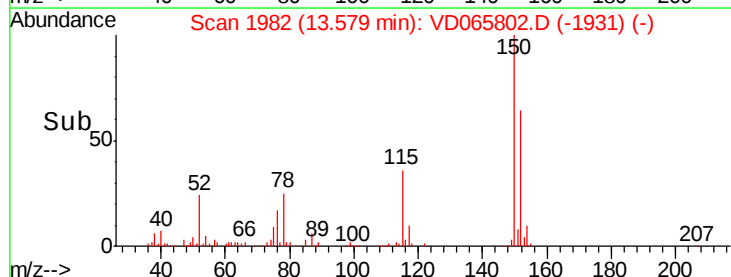
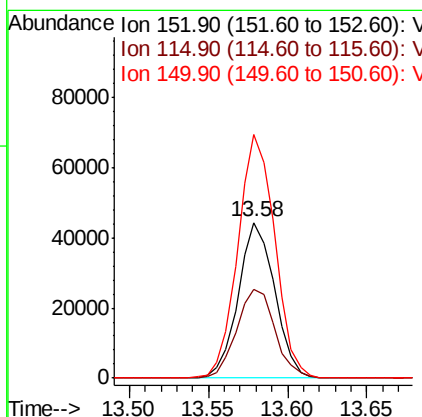
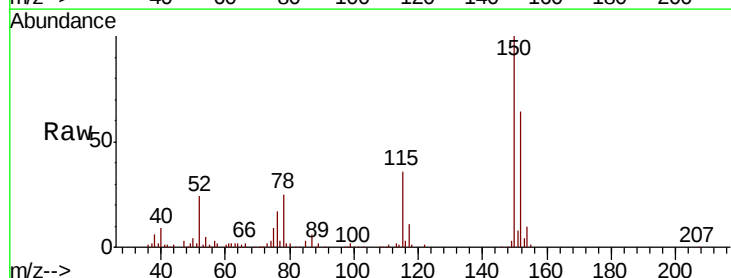
Instrument :
MSVOA_D
ClientSampleId :
NB-08-061620

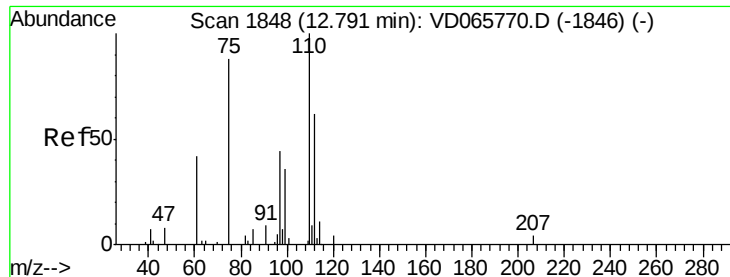
Tot Ion:117 Resp: 211716
Ion Ratio Lower Upper
117 100
82 55.2 41.9 62.9
119 32.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065802.D
Acq: 18 Jun 2020 12:31

Tgt Ion:152 Resp: 70819
Ion Ratio Lower Upper
152 100
115 60.0 28.7 86.1
150 158.5 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 69.710 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

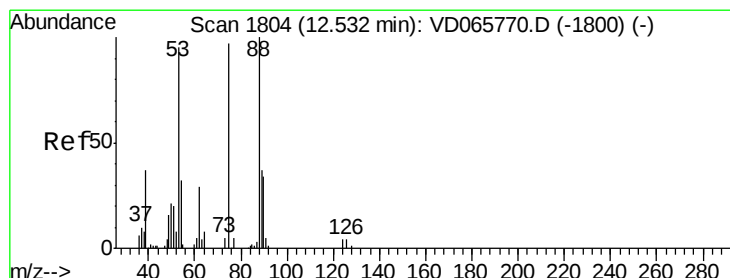
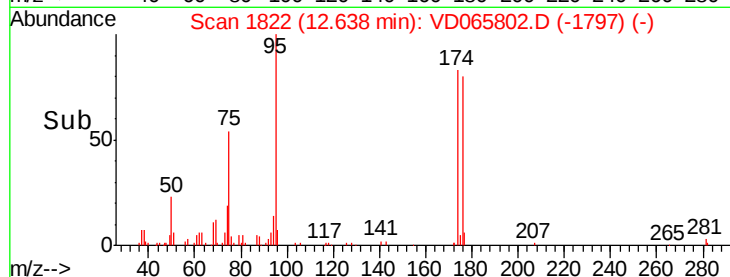
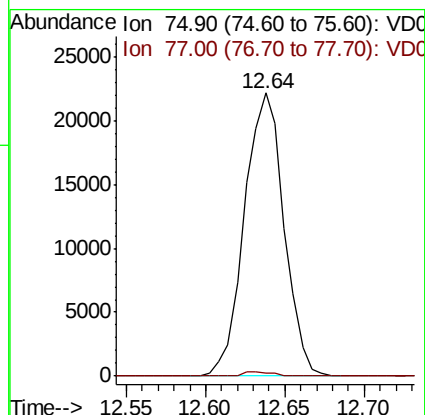
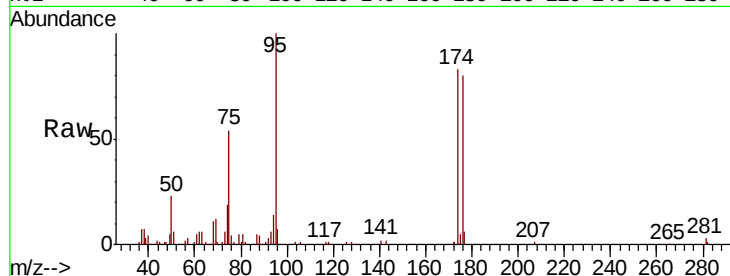
NB-08-061620

Tot Ion: 75 Resp: 38394

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.616 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

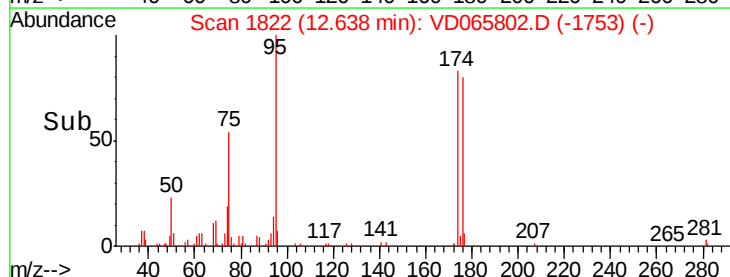
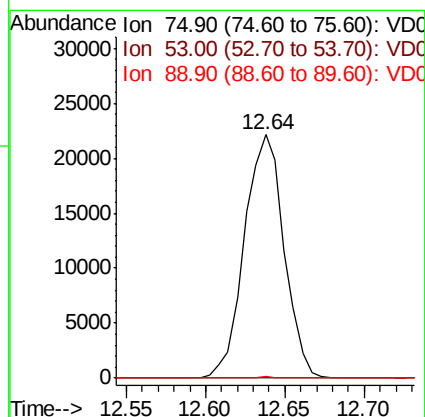
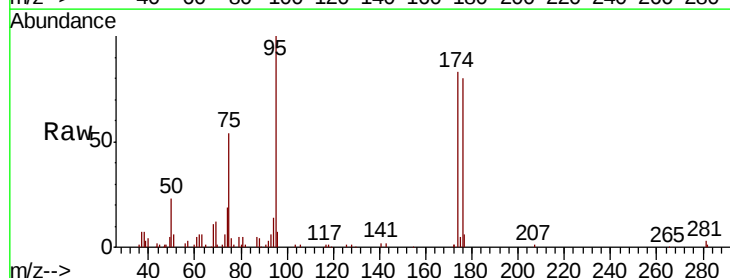
Tgt Ion: 75 Resp: 38394

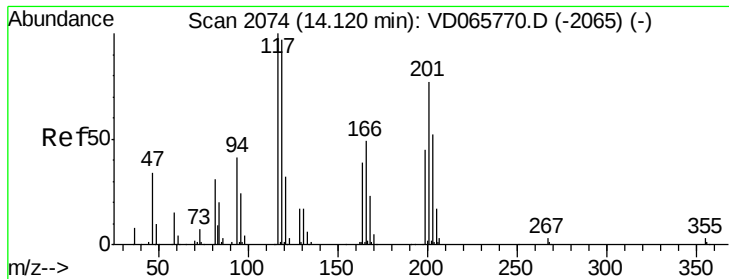
Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.2 35.9 53.9#





#90

Hexachloroethane

Concen: 2.207 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

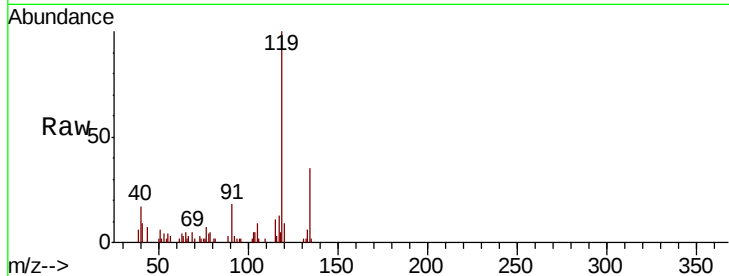
NB-08-061620

Tot Ion:117 Resp: 1932

Ion Ratio Lower Upper

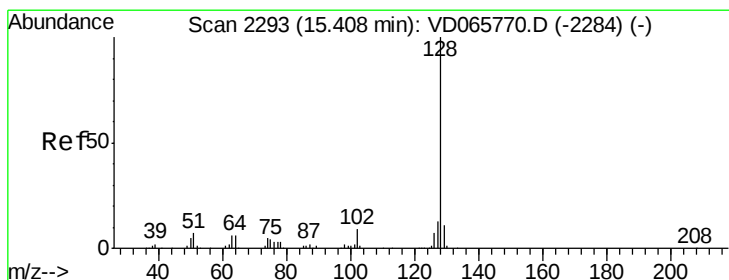
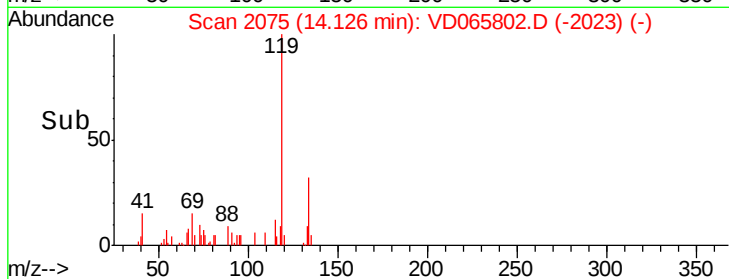
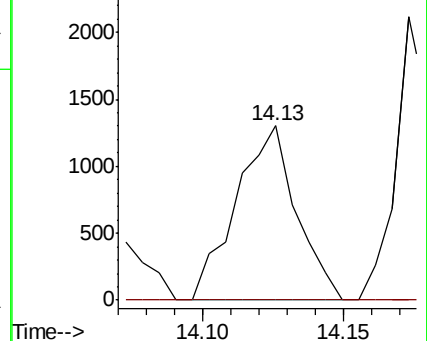
117 100

201 0.0 37.1 111.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.037 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065802.D

Acq: 18 Jun 2020 12:31

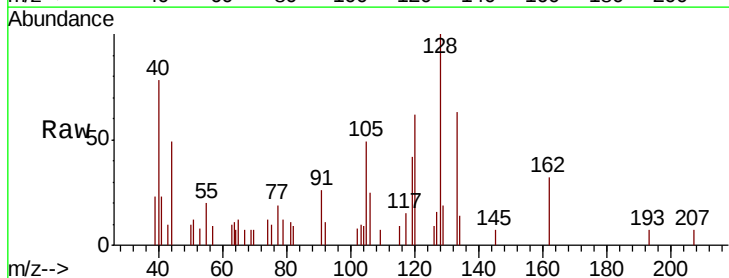
Tgt Ion:128 Resp: 4473

Ion Ratio Lower Upper

128 100

127 20.0 10.7 16.1#

129 7.0 8.6 12.8#



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

