

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066998.D
 Acq On : 01 Oct 2020 17:47
 Operator : VA/SY
 Sample : L3865-01
 Misc : 9.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-093020

Quant Time: Oct 02 00:41:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	18178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	27611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	29837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	14617	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	14786	84.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	168.90%		
35) Dibromofluoromethane	7.91	113	9936	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.94%		
50) Toluene-d8	10.34	98	33405	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.42%		
62) 4-Bromofluorobenzene	12.64	95	12958	57.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.90%		

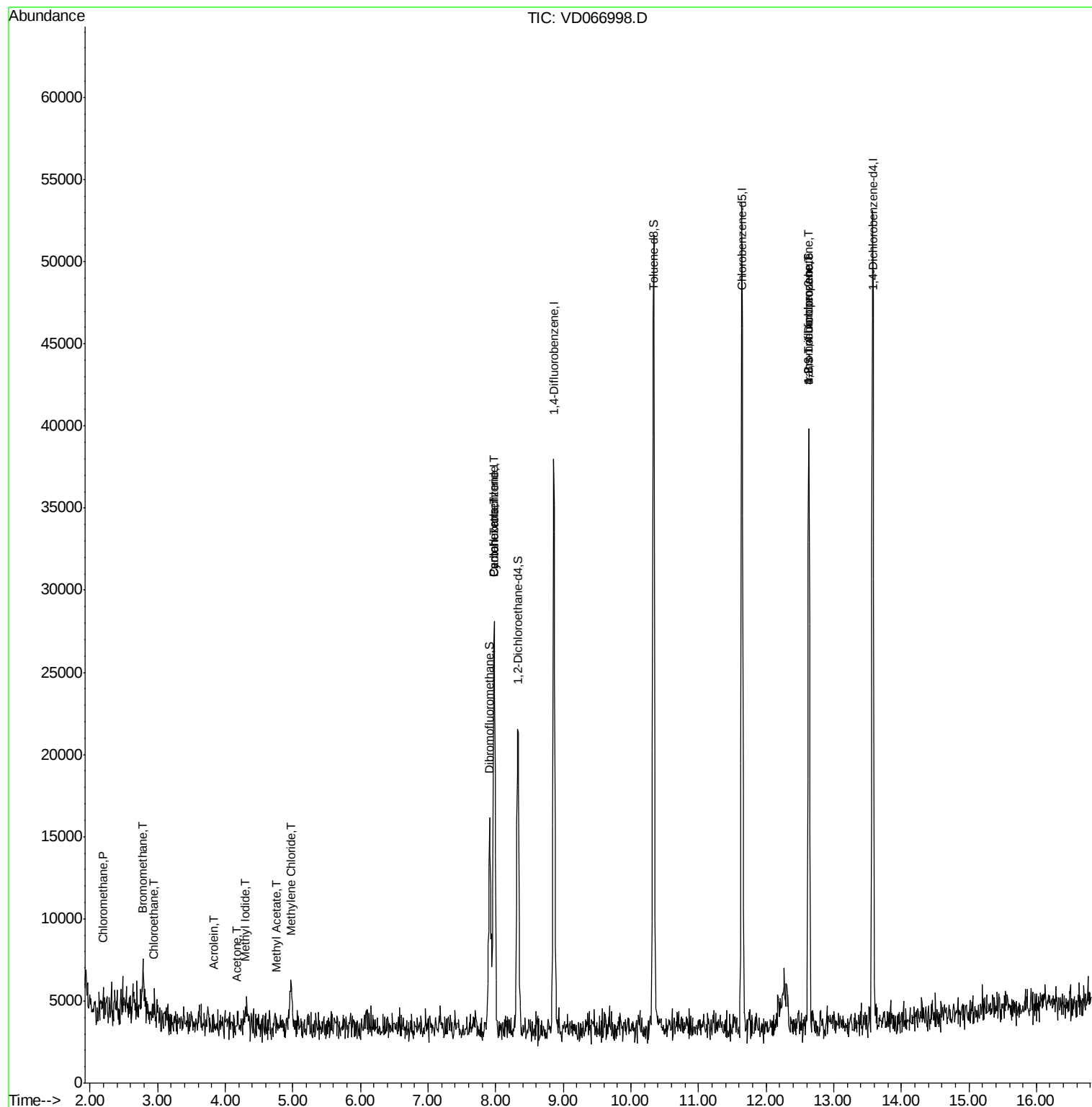
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	61	Below Cal	#	40
3) Chloromethane	2.20	50	592	4.089	ug/l #	43
5) Bromomethane	2.77	94	499	1.097	ug/l #	48
6) Chloroethane	2.94	64	272	3.077	ug/l #	41
10) Methyl Iodide	4.29	142	367	2.072	ug/l #	66
13) Acrolein	3.83	56	67	5.715	ug/l #	14
16) Acetone	4.16	43	59	2.207	ug/l #	42
18) Methyl Acetate	4.76	43	71	1.057	ug/l #	48
20) Methylene Chloride	4.97	84	2240	5.308	ug/l #	77
31) Cyclohexane	7.97	56	303	1.152	ug/l #	77
38) Carbon Tetrachloride	7.98	117	2188	7.857	ug/l #	11
76) 1,2,3-Trichloropropane	12.63	75	6562	51.540	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	6562	128.495	ug/l #	12

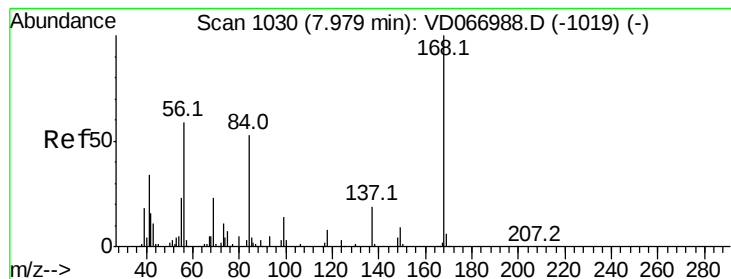
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

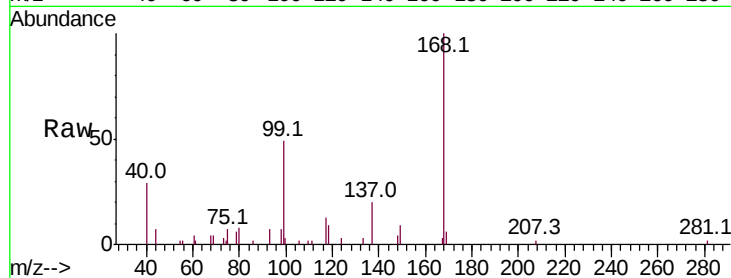
NB-08-093020

Tot Ion:168 Resp: 18178

Ion Ratio Lower Upper

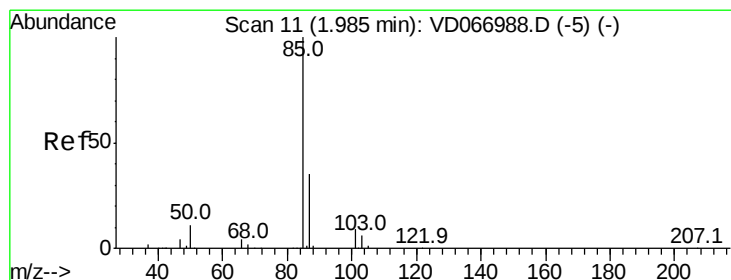
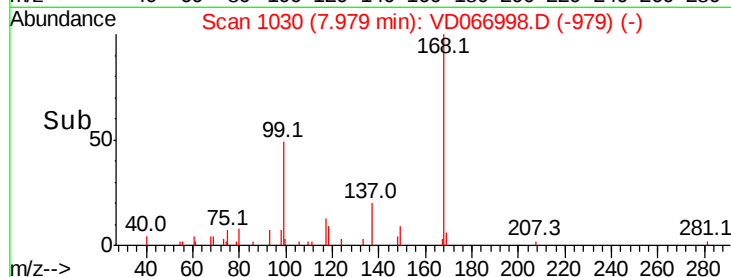
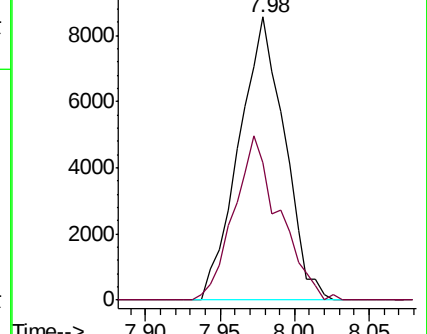
168 100

99 48.7 44.1 66.1



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: VD066998.D

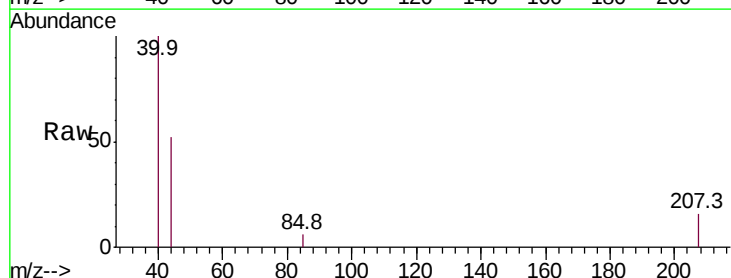
Acq: 01 Oct 2020 17:47

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

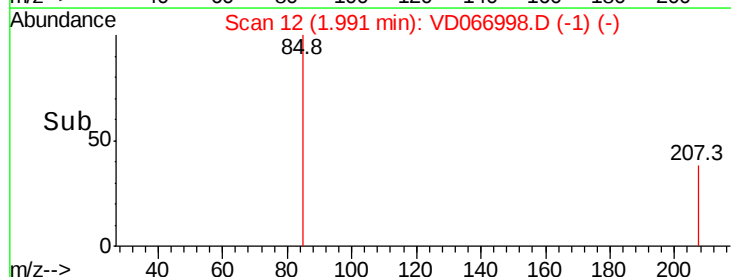
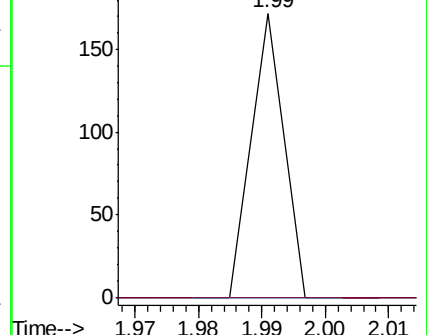
85 100

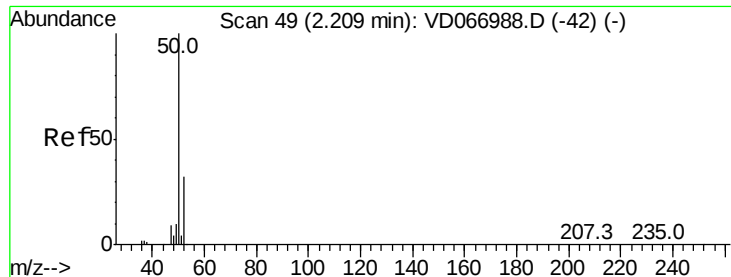
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.089 ug/l

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

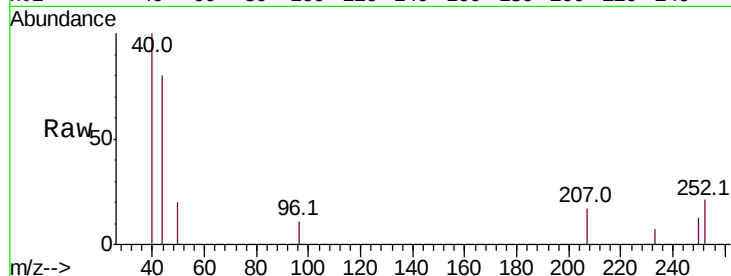
NB-08-093020

Tot Ion: 50 Resp: 592

Ion Ratio Lower Upper

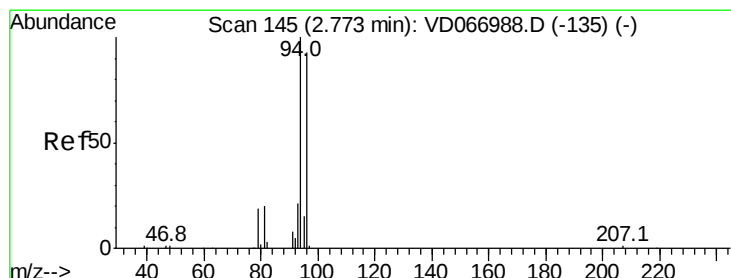
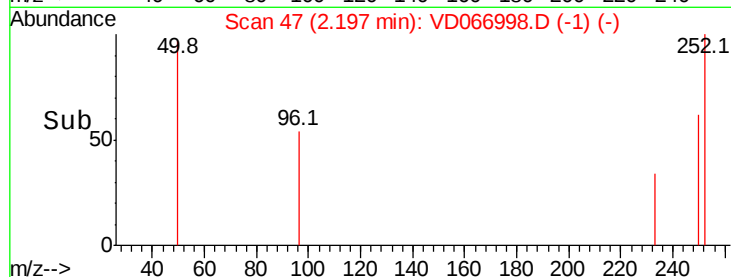
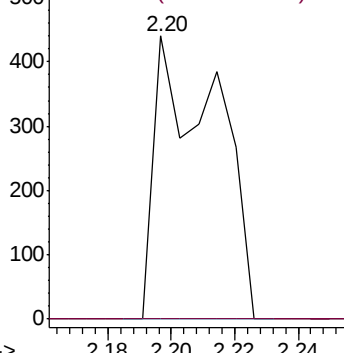
50 100

52 0.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: 1.097 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066998.D

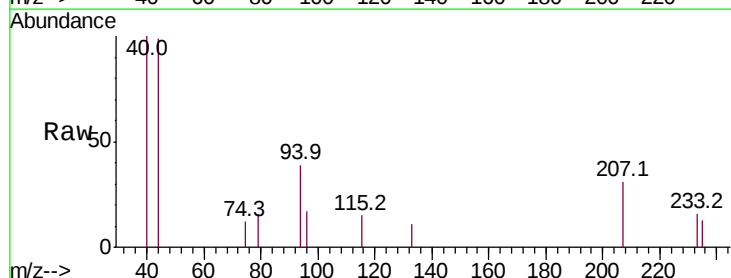
Acq: 01 Oct 2020 17:47

Tgt Ion: 94 Resp: 499

Ion Ratio Lower Upper

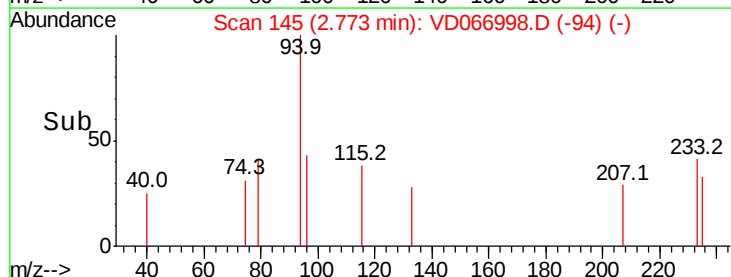
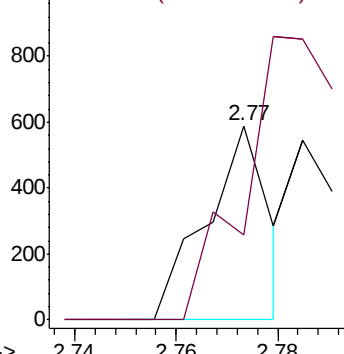
94 100

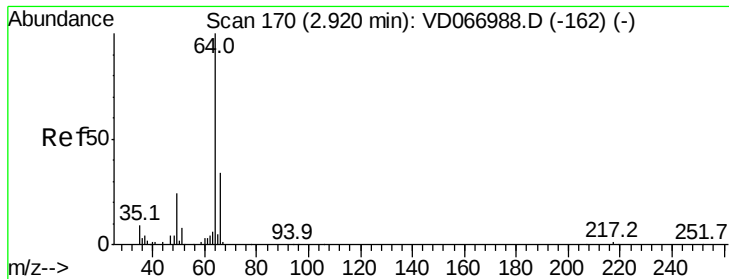
96 43.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 3.077 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

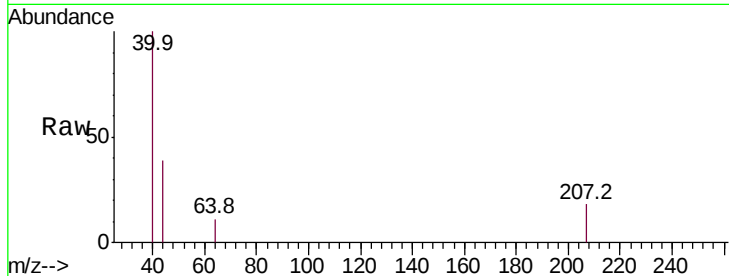
NB-08-093020

Tot Ion: 64 Resp: 272

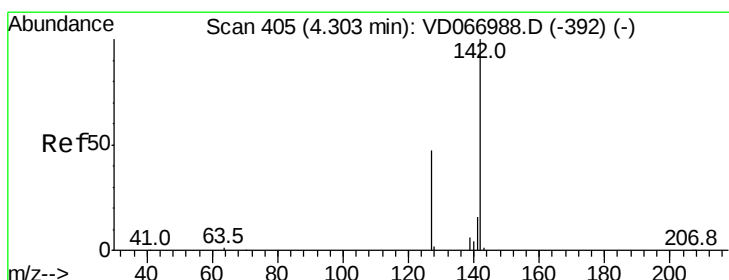
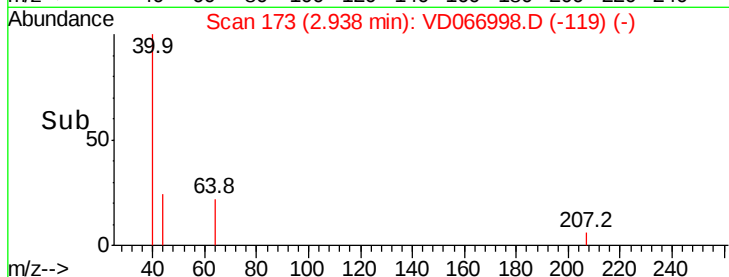
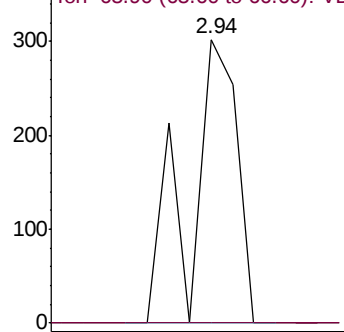
Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC



#10

Methyl Iodide

Concen: 2.072 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

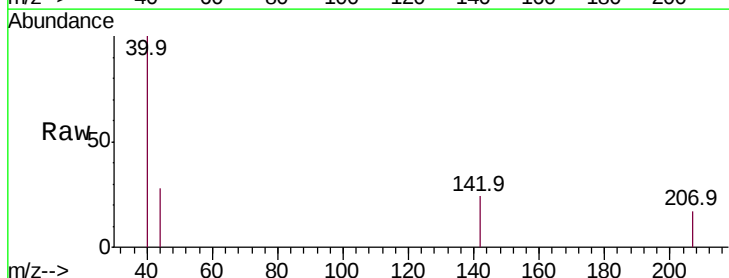
Tgt Ion: 142 Resp: 367

Ion Ratio Lower Upper

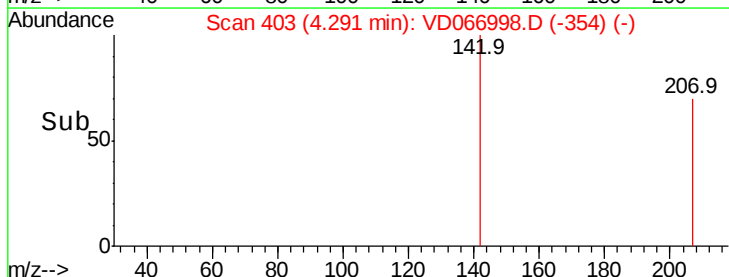
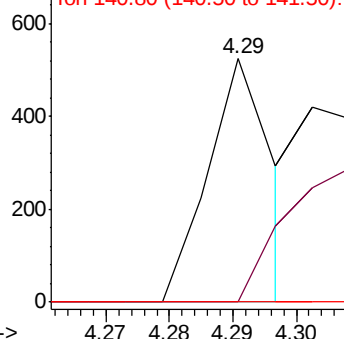
142 100

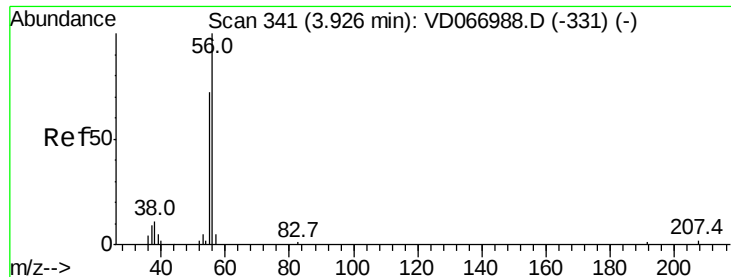
127 67.0 36.3 54.5#

141 0.0 12.0 18.0#



Abundance Ion 141.80 (141.50 to 142.50): V





#13

Acrolein

Concen: 5.715 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.10 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

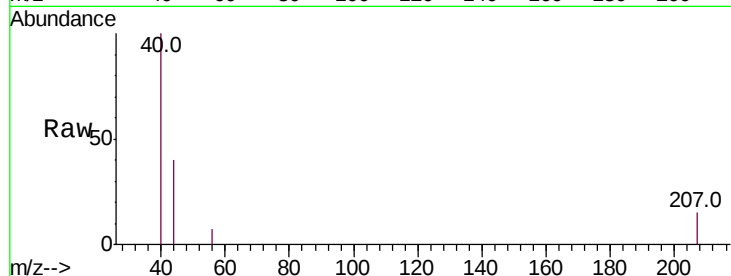
NB-08-093020

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.83

200

150

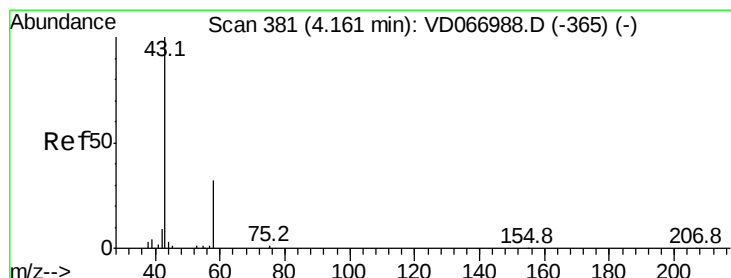
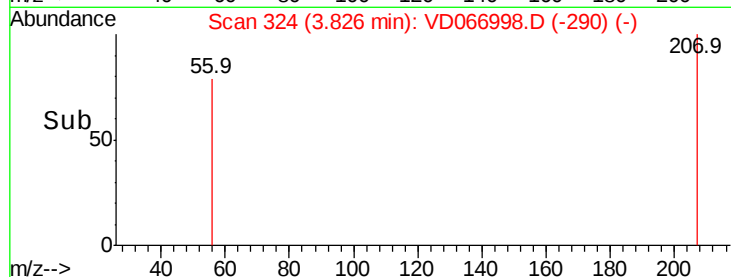
100

50

0

3.81 3.82 3.83 3.84

Time-->



#16

Acetone

Concen: 2.207 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD066998.D

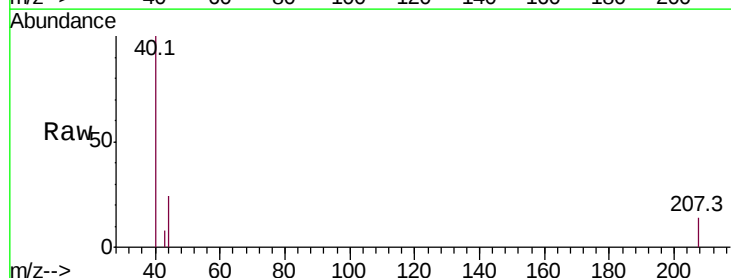
Acq: 01 Oct 2020 17:47

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

150

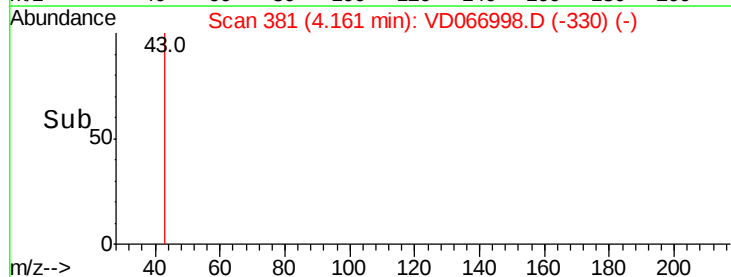
100

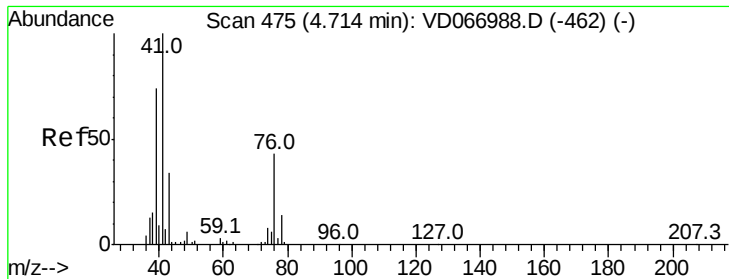
50

0

4.15 4.16 4.16 4.17 4.17

Time-->

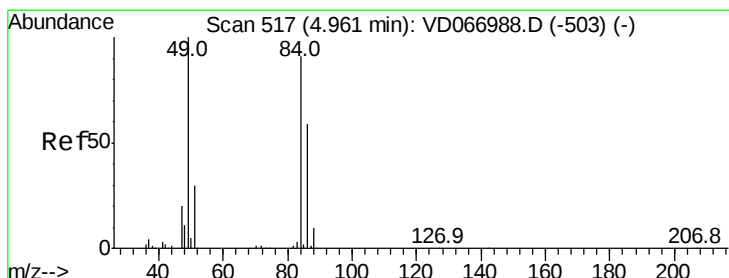
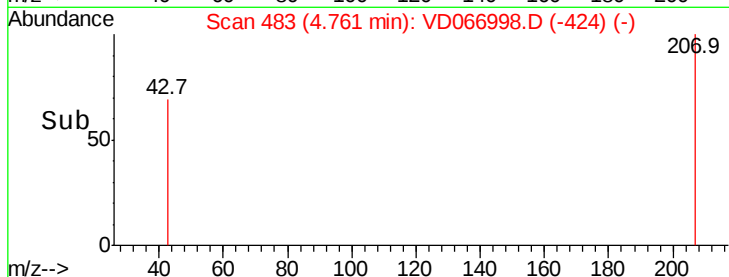
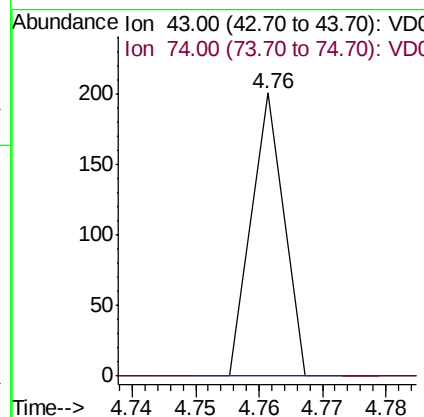
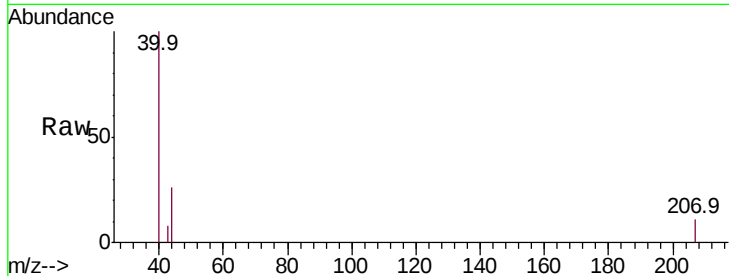




#18
Methyl Acetate
Concen: 1.057 ug/l
RT: 4.76 min Scan# 483
Delta R.T. 0.05 min
Lab File: VD066998.D
Acq: 01 Oct 2020 17:47

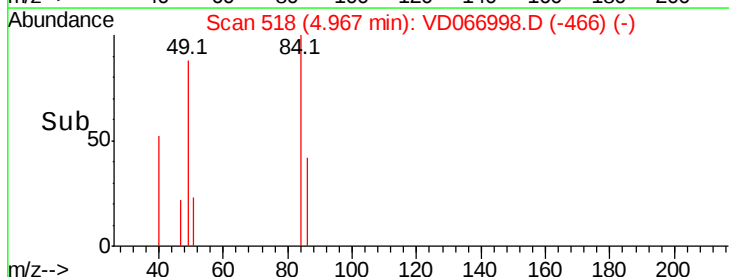
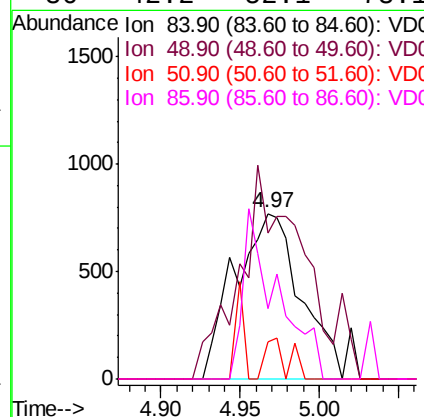
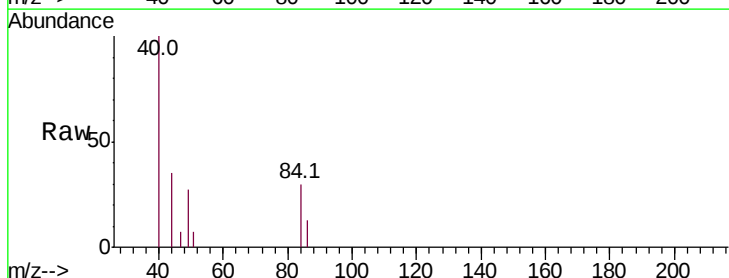
Instrument :
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NB-08-093020

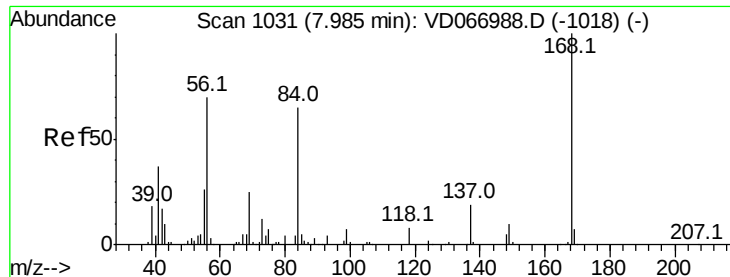
Tot Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#20
Methylene Chloride
Concen: 5.308 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066998.D
Acq: 01 Oct 2020 17:47

Tgt Ion: 84 Resp: 2240
Ion Ratio Lower Upper
84 100
49 88.3 88.2 132.2
51 22.7 26.6 39.8#
86 42.2 52.1 78.1#

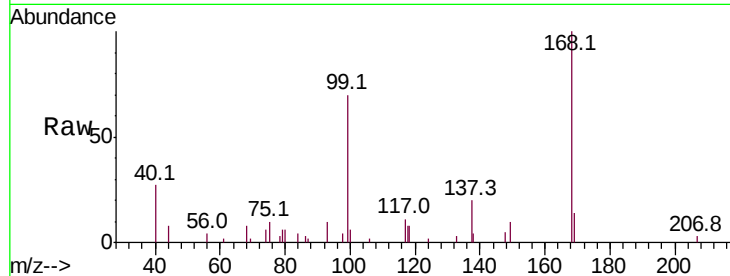




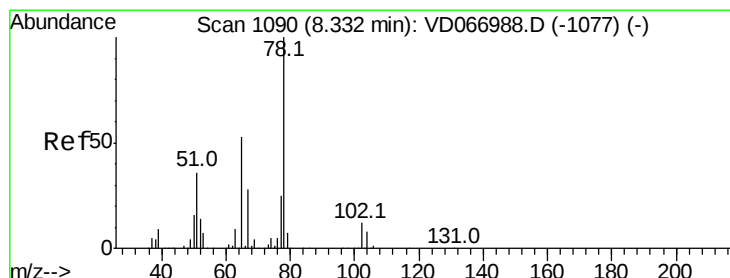
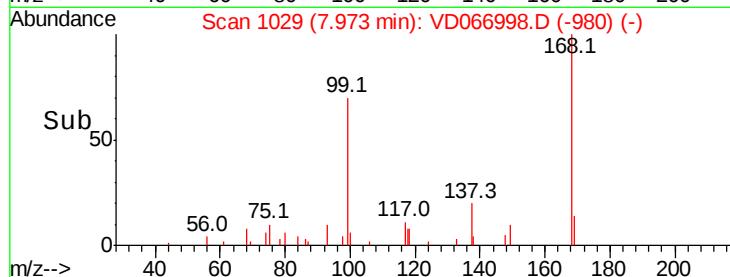
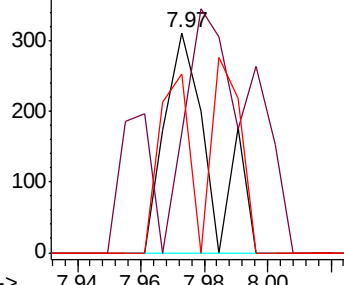
#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066998.D
Acq: 01 Oct 2020 17:47

Instrument :
MSVOA_D
ClientSampleId :
NB-08-093020

Tot Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
69 5.8 29.0 43.6#
84 81.0 74.2 111.2

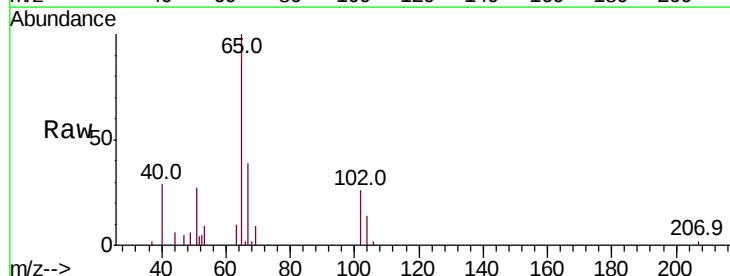


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

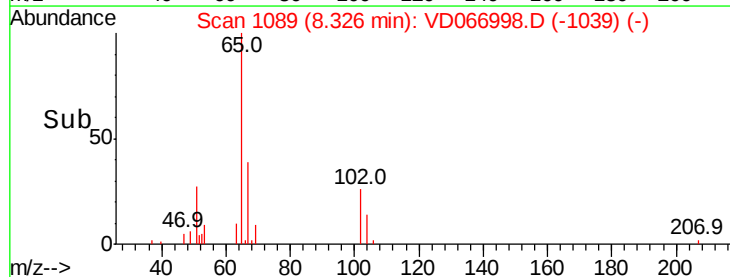
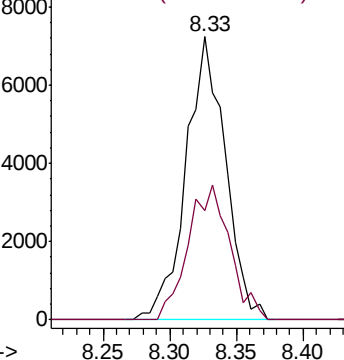


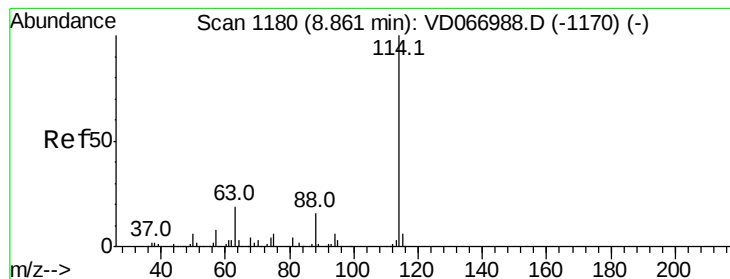
#33
1,2-Dichloroethane-d4
Concen: 84.448 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066998.D
Acq: 01 Oct 2020 17:47

Tgt Ion: 65 Resp: 14786
Ion Ratio Lower Upper
65 100
67 50.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-093020

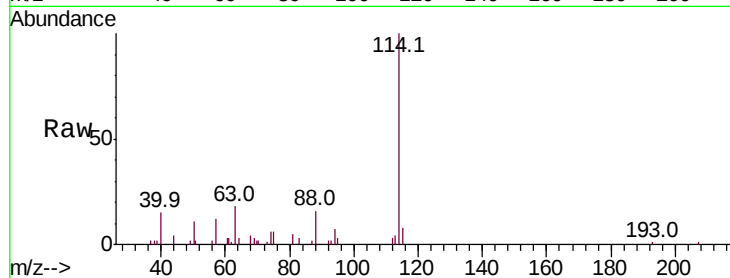
Tot Ion:114 Resp: 27611

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

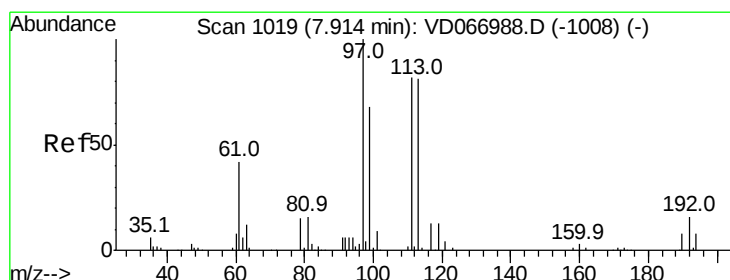
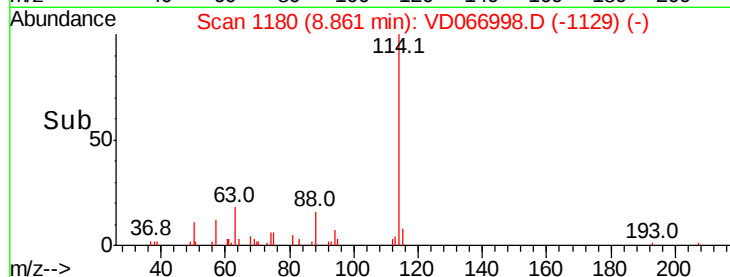
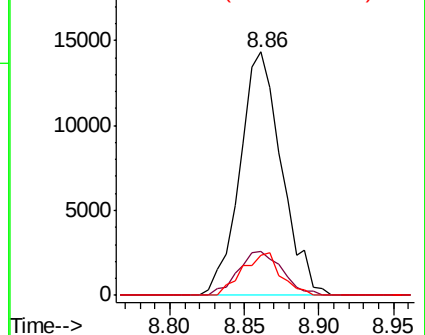
88 16.3 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 54.967 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

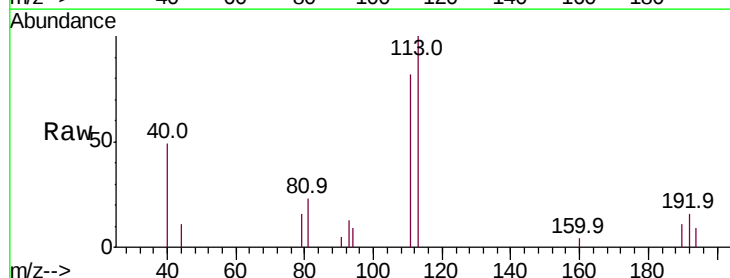
Tgt Ion:113 Resp: 9936

Ion Ratio Lower Upper

113 100

111 93.7 83.0 124.4

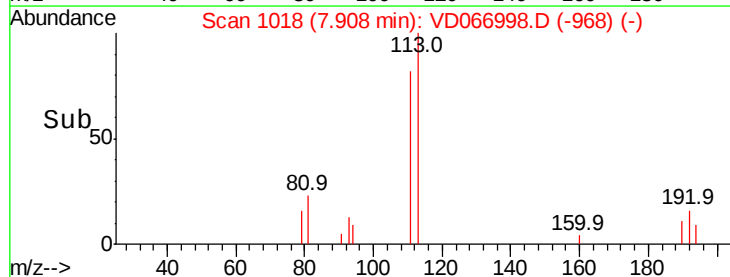
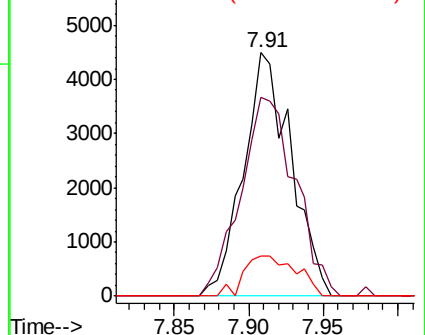
192 18.3 15.5 23.3

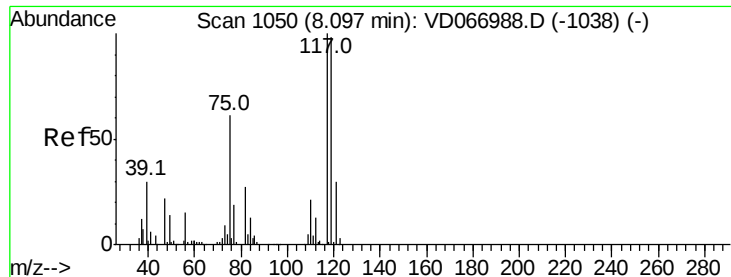


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 7.857 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-093020

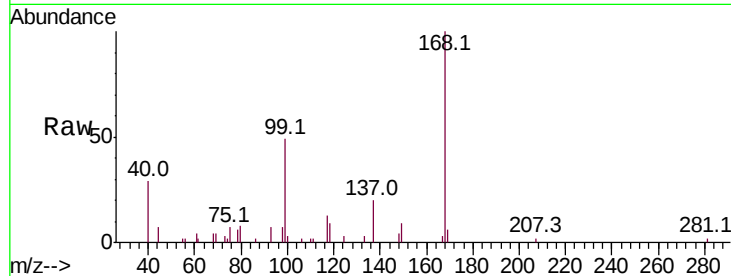
Tot Ion:117 Resp: 2188

Ion Ratio Lower Upper

117 100

119 0.0 78.7 118.1#

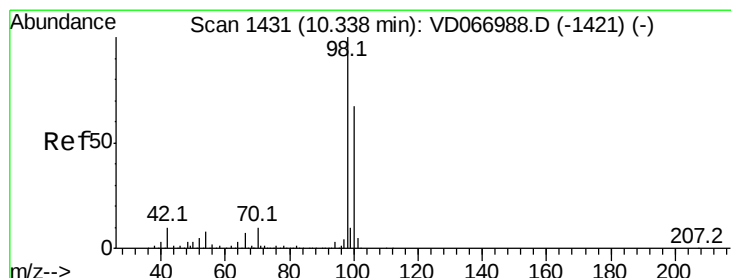
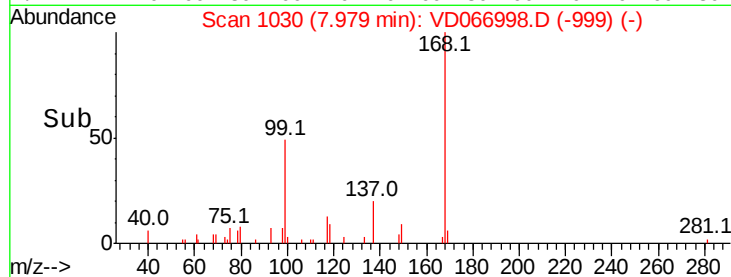
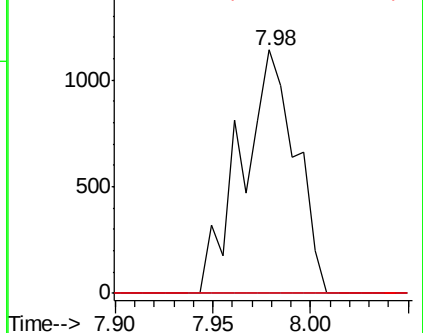
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.715 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066998.D

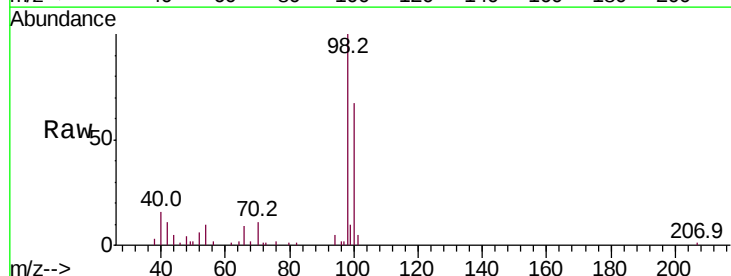
Acq: 01 Oct 2020 17:47

Tgt Ion: 98 Resp: 33405

Ion Ratio Lower Upper

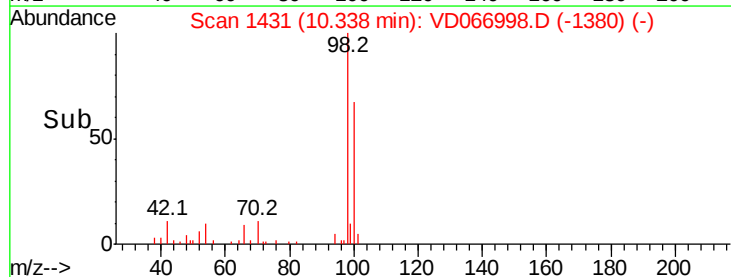
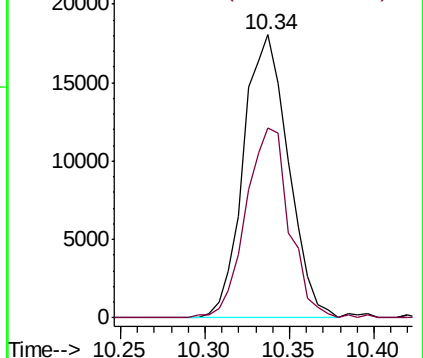
98 100

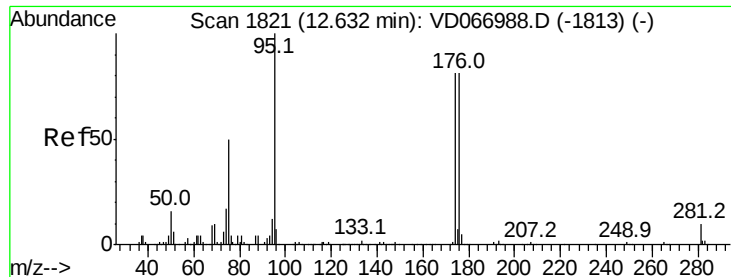
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

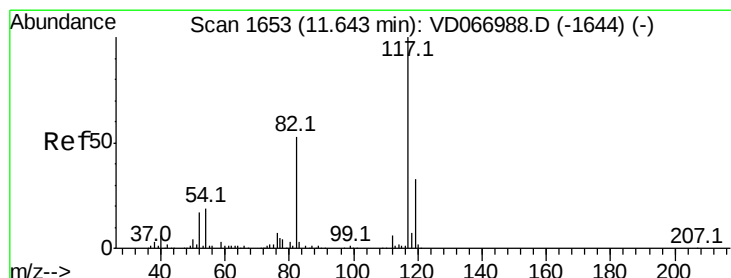
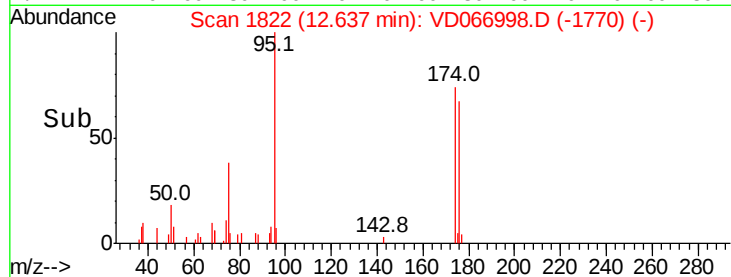
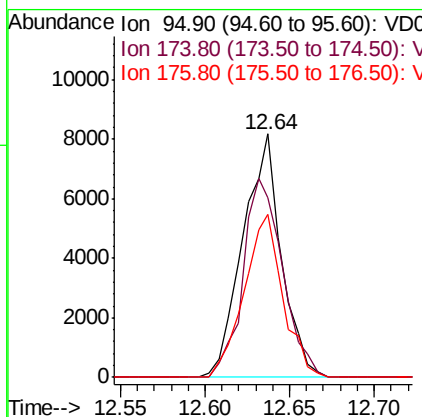
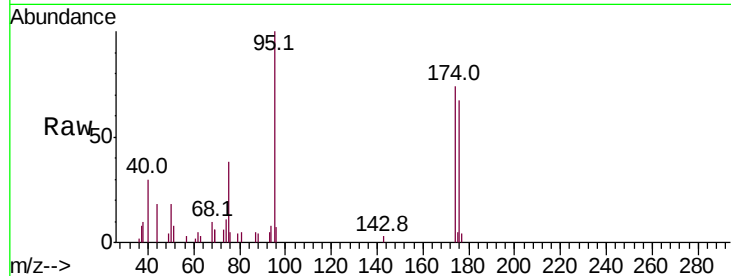




#62
4-Bromofluorobenzene
Concen: 57.950 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD066998.D
Acq: 01 Oct 2020 17:47

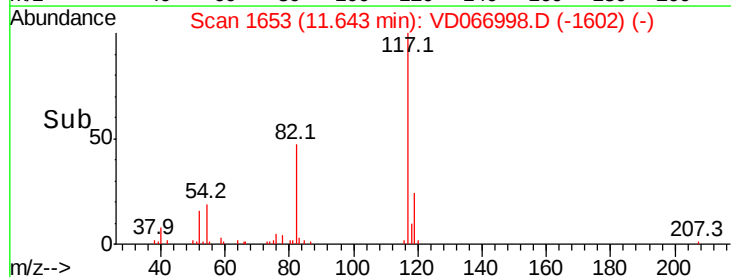
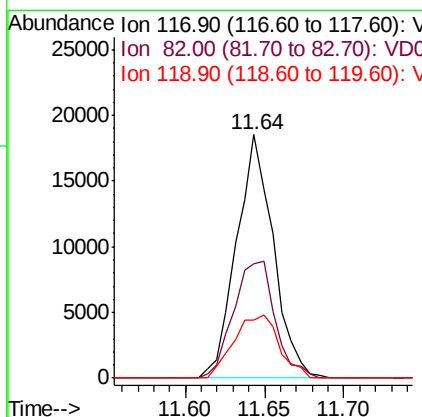
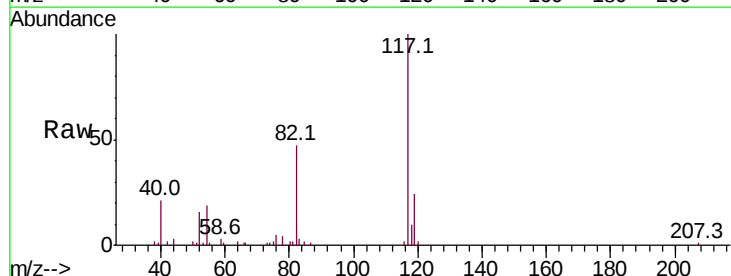
Instrument :
MSVOA_D
ClientSampleId :
NB-08-093020

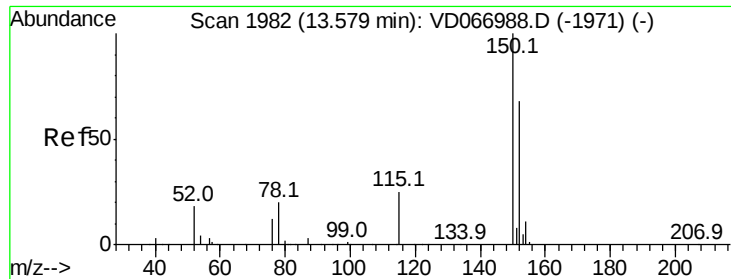
Tot Ion: 95 Resp: 12958
Ion Ratio Lower Upper
95 100
174 83.9 0.0 167.6
176 67.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066998.D
Acq: 01 Oct 2020 17:47

Tgt Ion: 117 Resp: 29837
Ion Ratio Lower Upper
117 100
82 46.9 42.6 63.8
119 24.1 26.3 39.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-093020

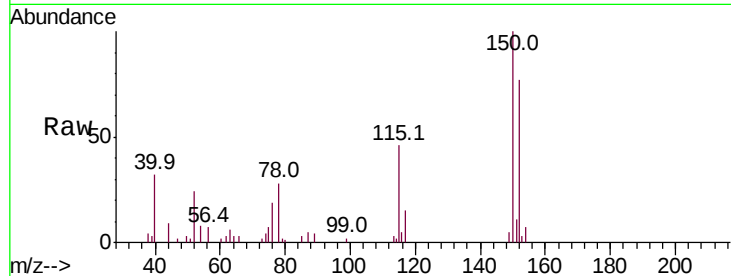
Tot Ion:152 Resp: 14617

Ion Ratio Lower Upper

152 100

115 56.1 29.6 88.8

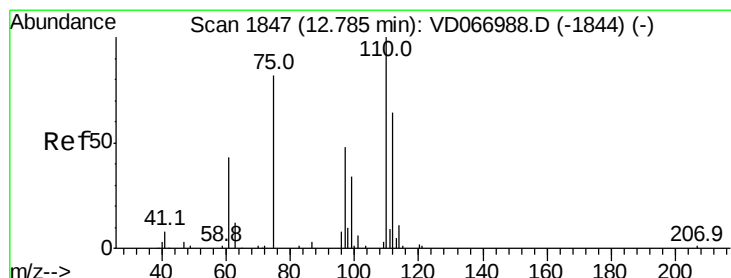
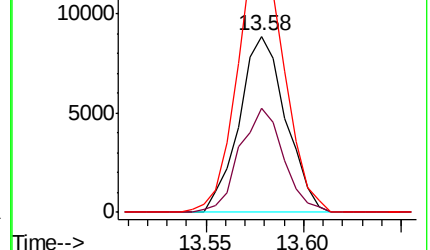
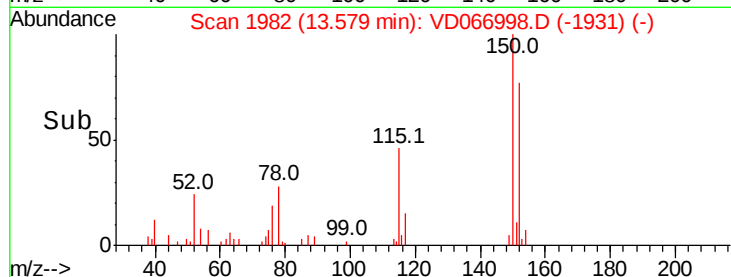
150 145.3 0.0 344.8



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: 51.540 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066998.D

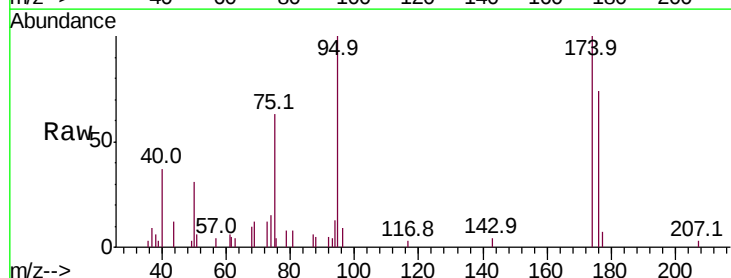
Acq: 01 Oct 2020 17:47

Tgt Ion: 75 Resp: 6562

Ion Ratio Lower Upper

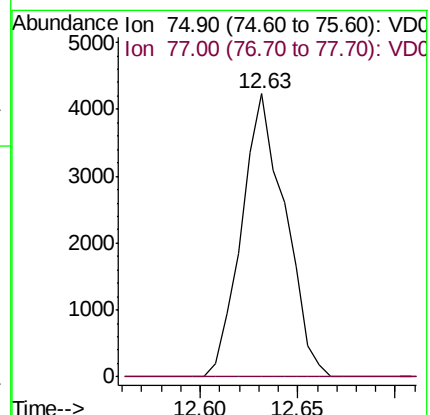
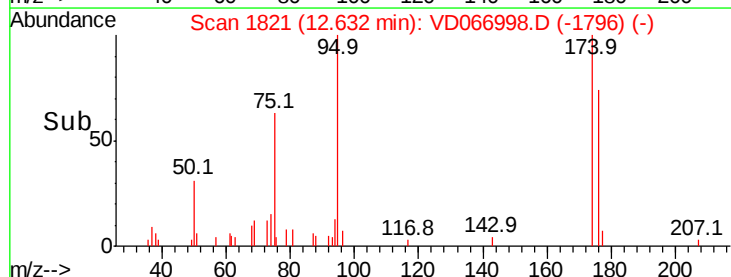
75 100

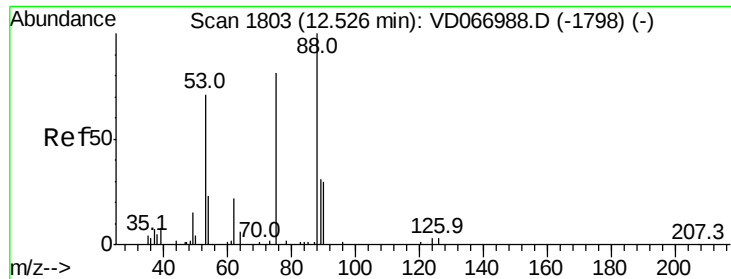
77 0.0 0.0 0.0



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: 128.495 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD066998.D

Acq: 01 Oct 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

NB-08-093020

Tot Ion: 75 Resp: 6562

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

