

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061489.D
 Acq On : 19 May 2020 17:30
 Operator : JC/MD
 Sample : L2676-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 02:58:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	315991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	574702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	535632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	219007	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	209848	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	
35) Dibromofluoromethane	7.55	113	162096	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
50) Toluene-d8	10.06	98	697309	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.38	95	252223	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	

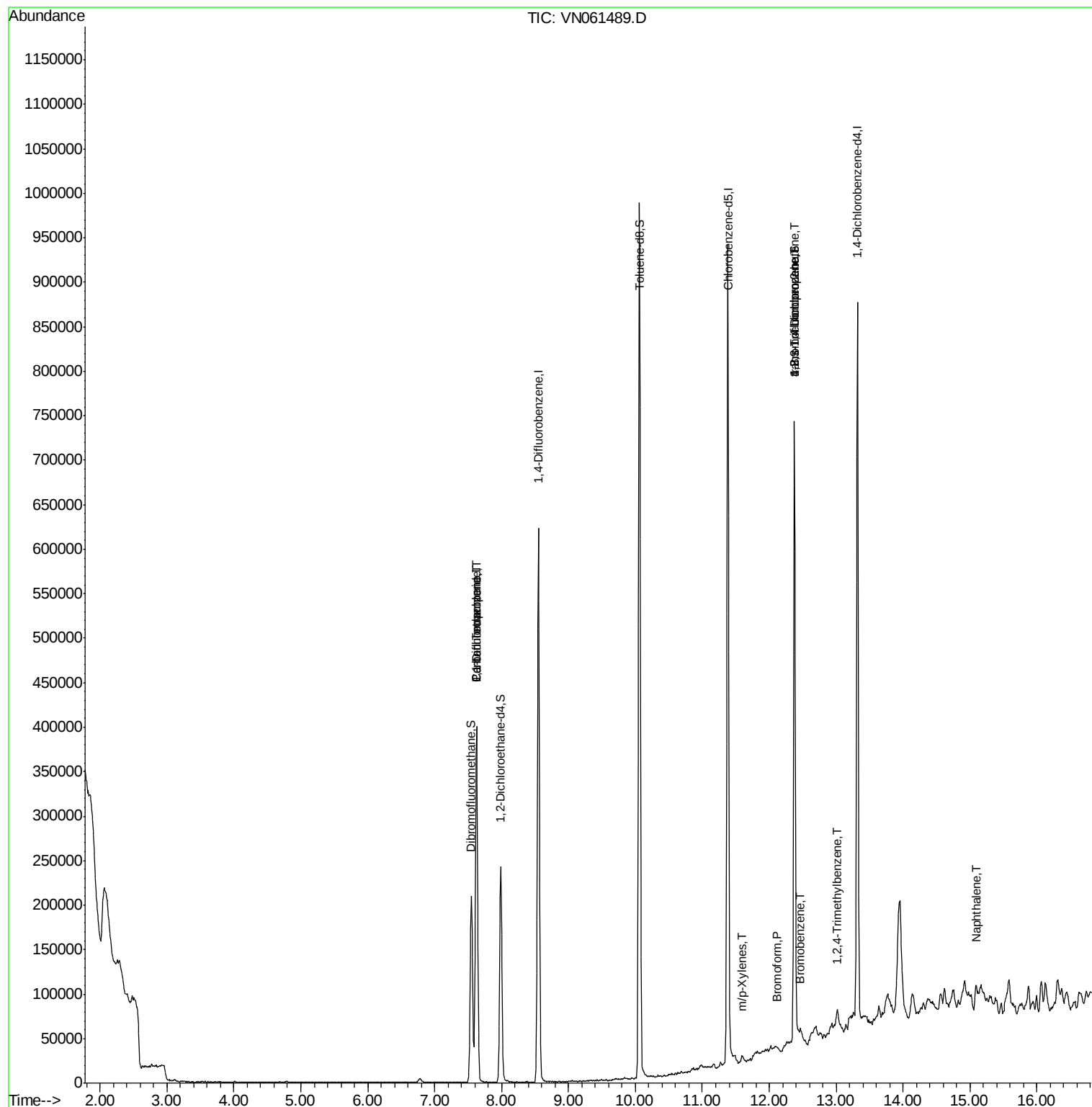
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	884	Below Cal	#	3
16) Acetone	3.77	43	517	Below Cal	#	43
17) Carbon Disulfide	4.01	76	488	Below Cal	#	75
18) Methyl Acetate	4.28	43	62	Below Cal	#	49
31) Cyclohexane	7.63	56	6961	Below Cal	#	2
36) 1,1-Dichloropropene	7.63	75	25217	4.693	ug/l #	51
38) Carbon Tetrachloride	7.63	117	33101	6.690	ug/l #	15
68) m/p-Xylenes	11.60	106	3366	0.445	ug/l	79
71) Bromoform	12.11	173	138	2.064	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	127917	27.220	ug/l #	100
77) Bromobenzene	12.46	156	12685	3.324	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.38	75	127917	72.209	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.01	105	4023	0.279	ug/l	95
95) Naphthalene	15.10	128	7410	0.642	ug/l	99

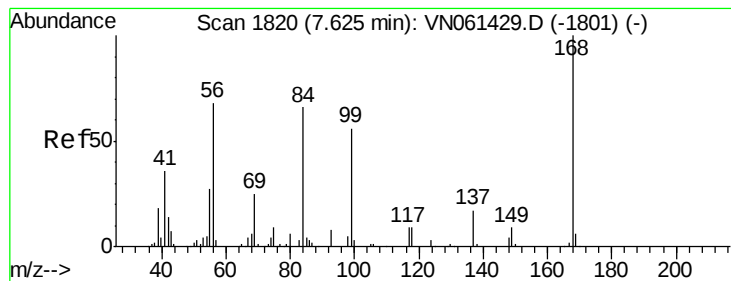
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

Instrument :

MSVOA_N

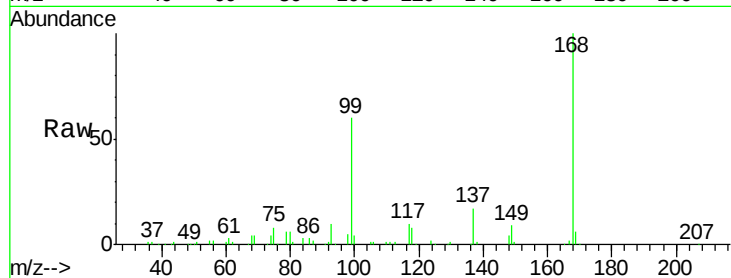
ClientSampled :

Tot Ion:168 Resp: 315991

Ion Ratio Lower Upper

168 100

99 60.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN061489.D

Ion 98.90 (98.60 to 99.60): VN061489.D

7.63

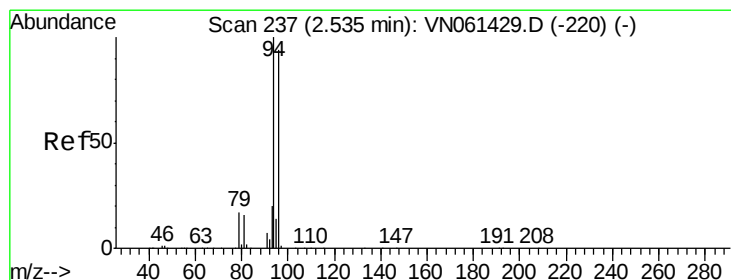
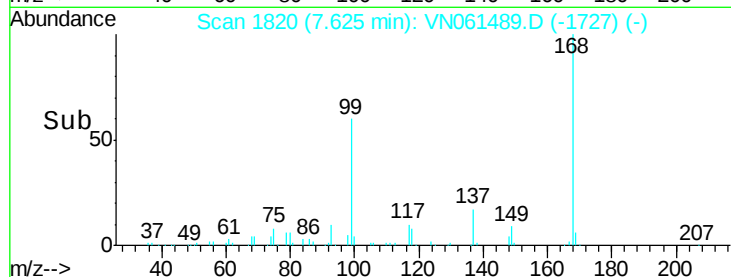
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061489.D

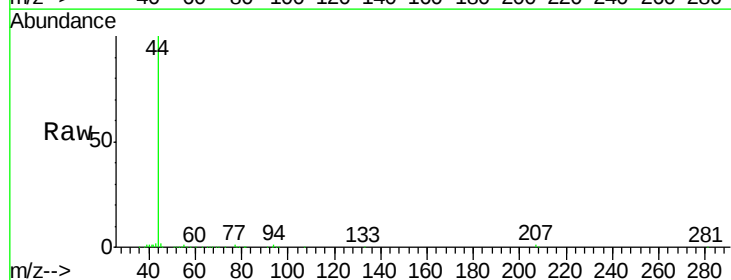
Acq: 19 May 2020 17:30

Tgt Ion: 94 Resp: 884

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN061489.D

Ion 95.90 (95.60 to 96.60): VN061489.D

2.55

500

400

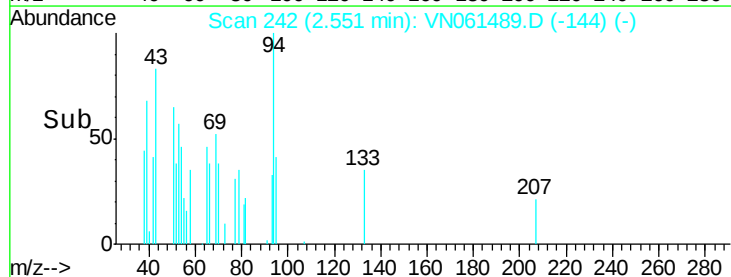
300

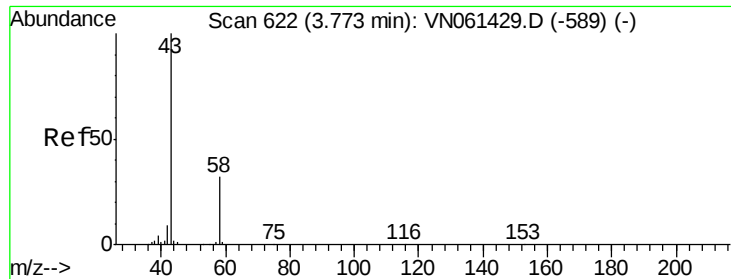
200

100

0

Time-->

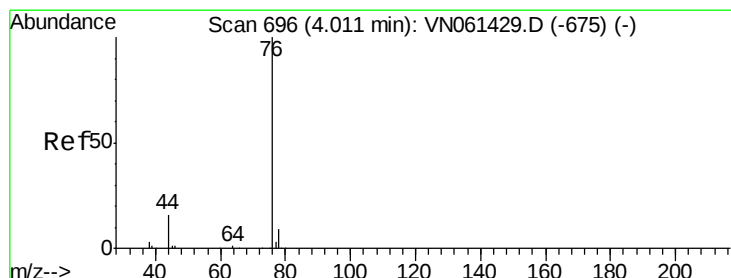
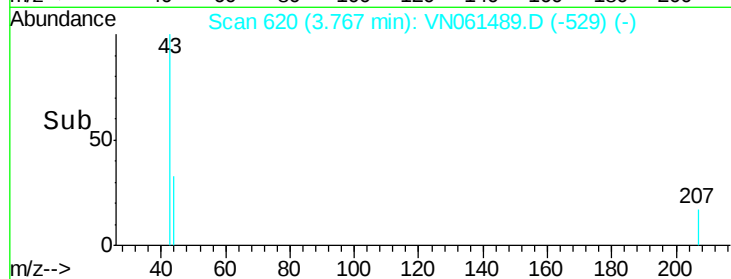
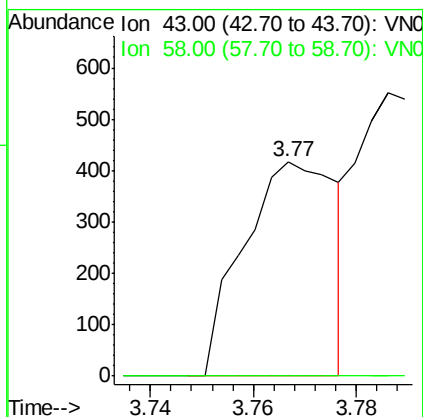
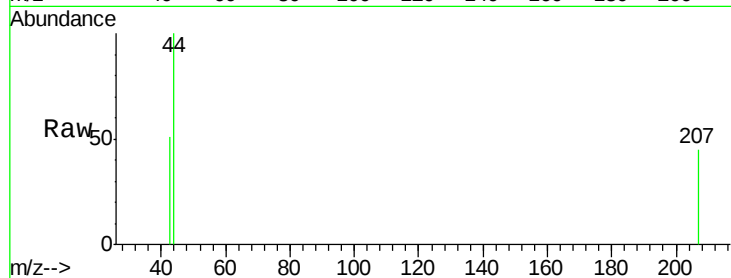




#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 620
Delta R.T. -0.01 min
Lab File: VN061489.D
Acq: 19 May 2020 17:30

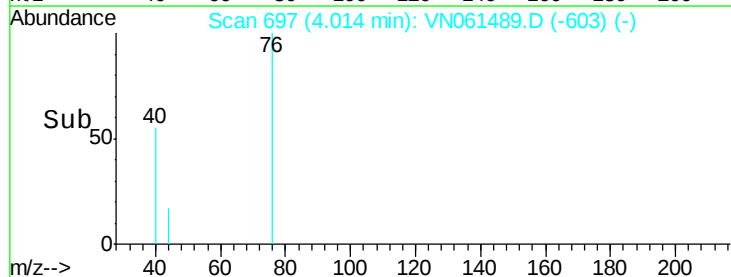
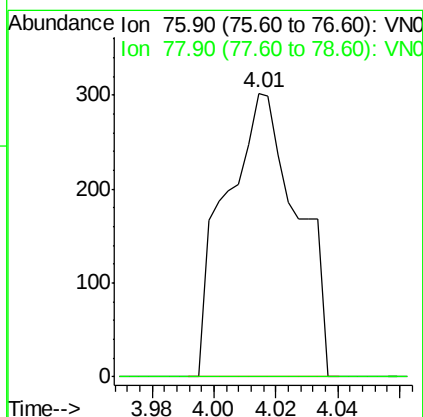
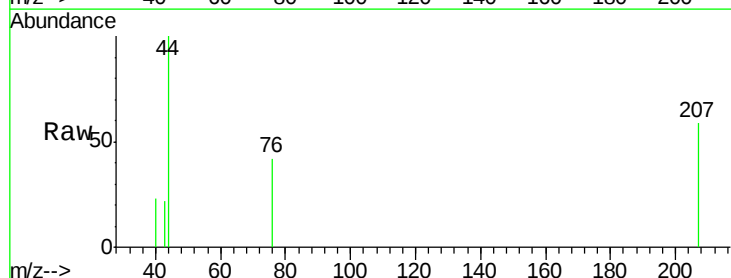
Instrument :
MSVOA_N
ClientSampled :

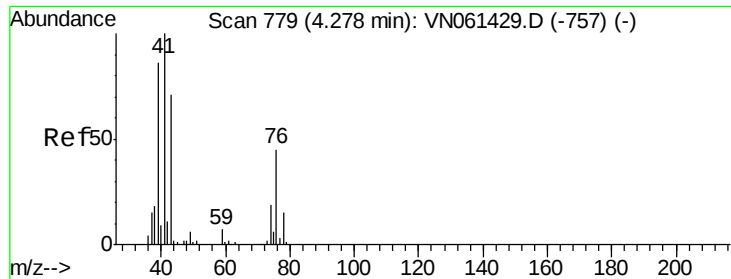
Tot Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
58 0.0 25.6 38.4#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 697
Delta R.T. 0.00 min
Lab File: VN061489.D
Acq: 19 May 2020 17:30

Tgt Ion: 76 Resp: 488
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

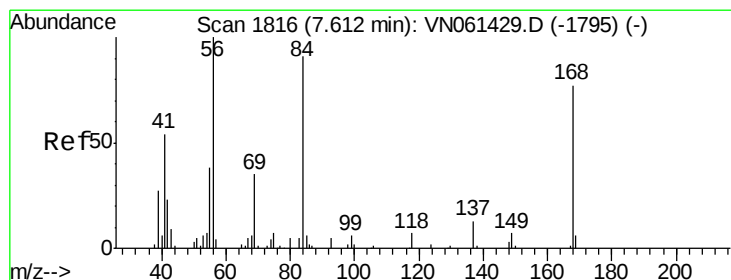
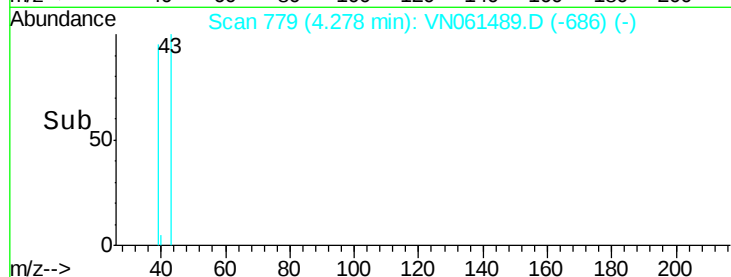
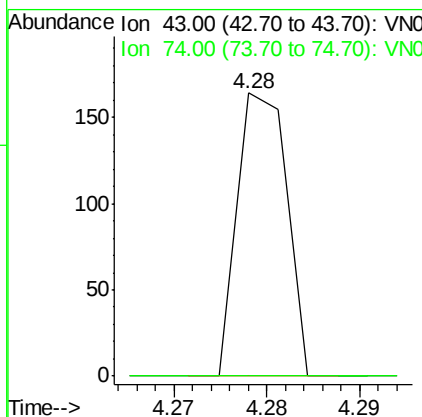
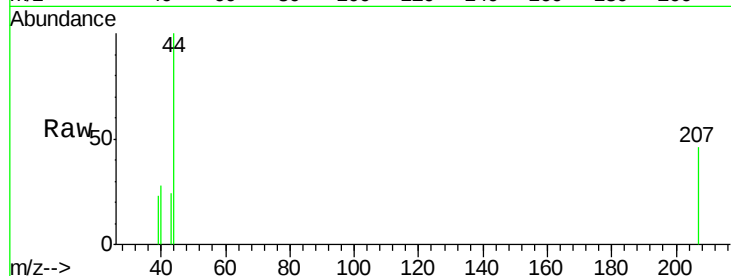




#18
Methvl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061489.D
Acq: 19 May 2020 17:30

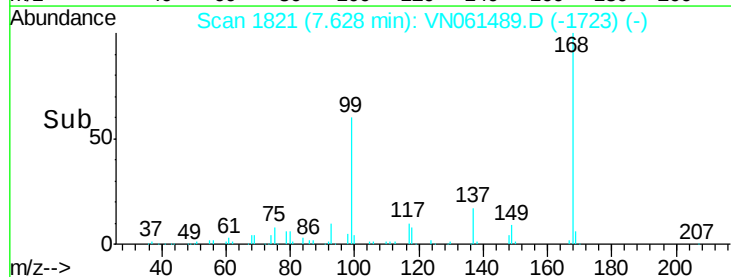
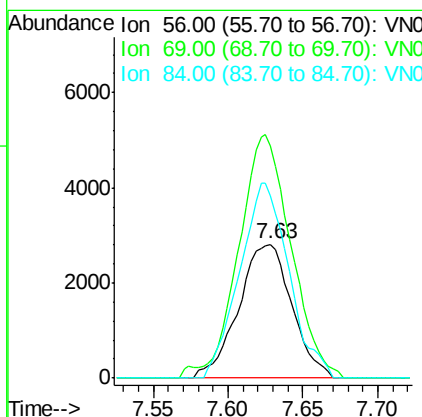
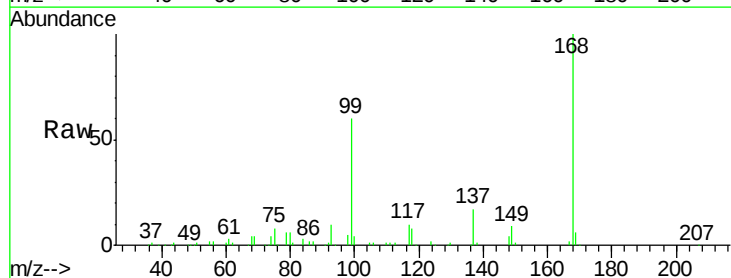
Instrument :
MSVOA_N
ClientSampleId :

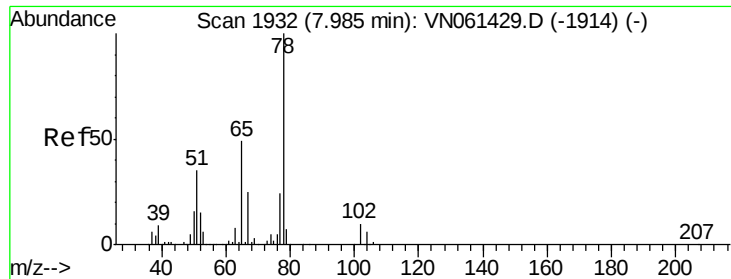
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061489.D
Acq: 19 May 2020 17:30

Tgt Ion: 56 Resp: 6961
Ion Ratio Lower Upper
56 100
69 167.8 27.8 41.6#
84 136.4 72.7 109.1#

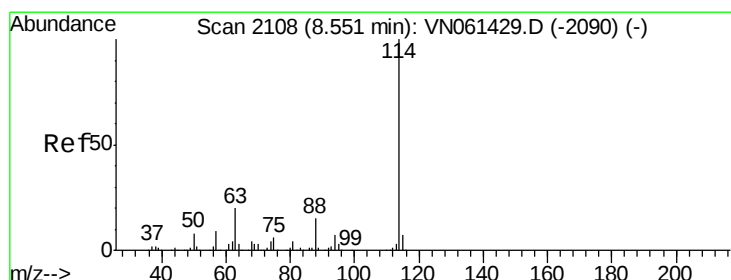
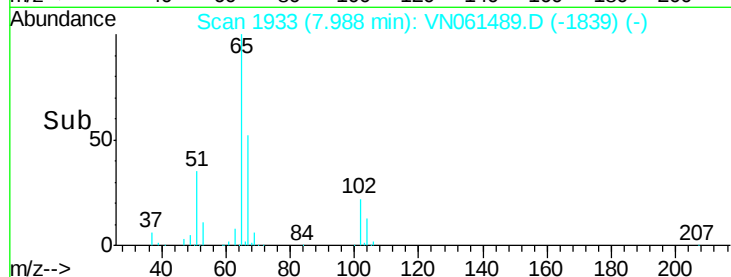
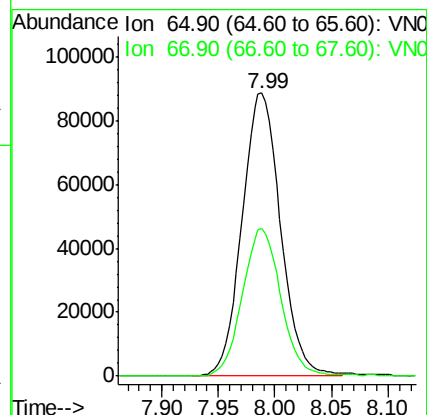
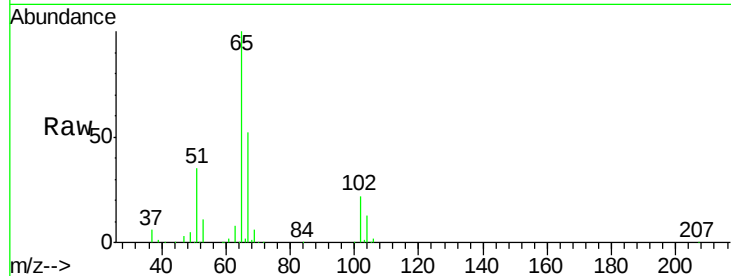




#33
 1,2-Dichloroethane-d4
 Concen: 44.497 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061489.D
 Acq: 19 May 2020 17:30

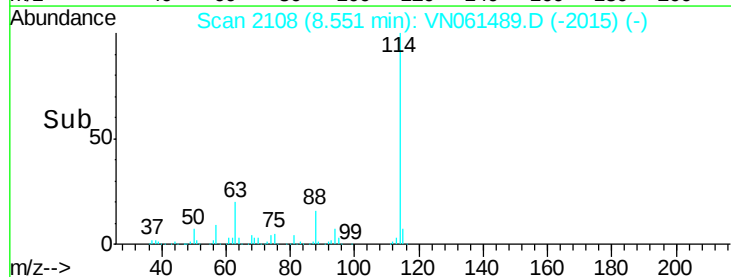
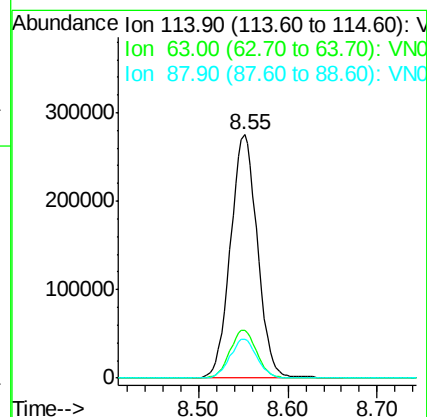
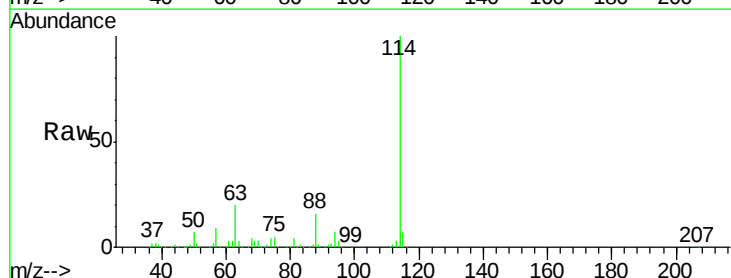
Instrument :
 MSVOA_N
 ClientSampleId :

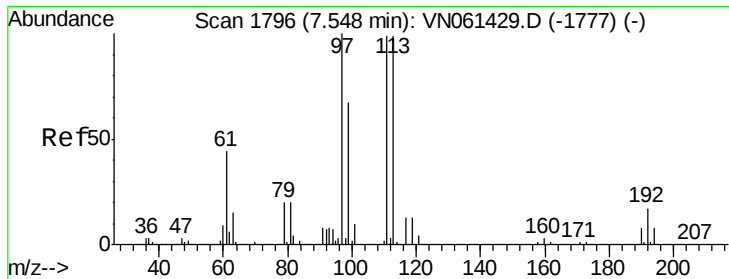
Tot Ion: 65 Resp: 209848
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061489.D
 Acq: 19 May 2020 17:30

Tgt Ion: 114 Resp: 574702
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 16.1 0.0 30.8

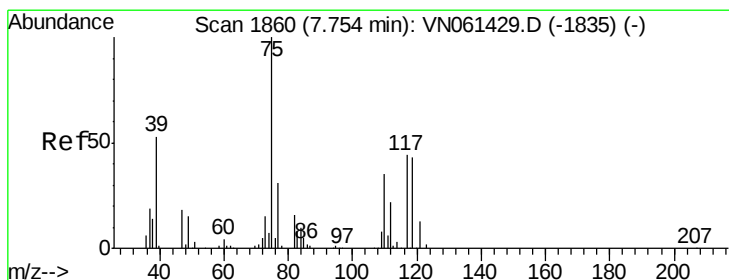
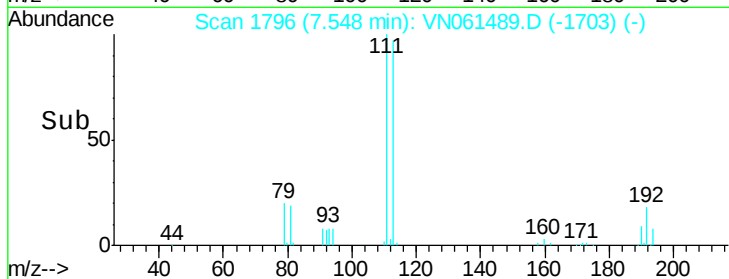
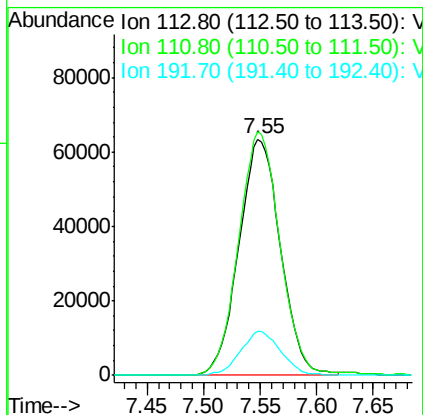
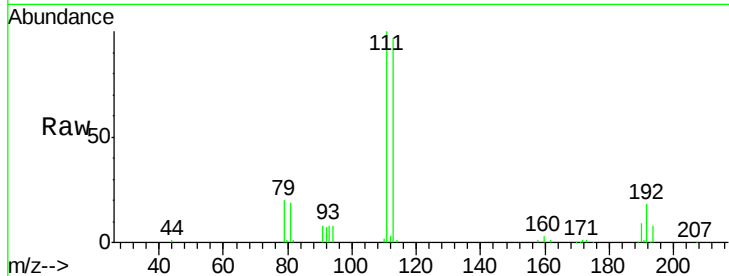




#35
 Dibromofluoromethane
 Concen: 53.840 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061489.D
 Acq: 19 May 2020 17:30

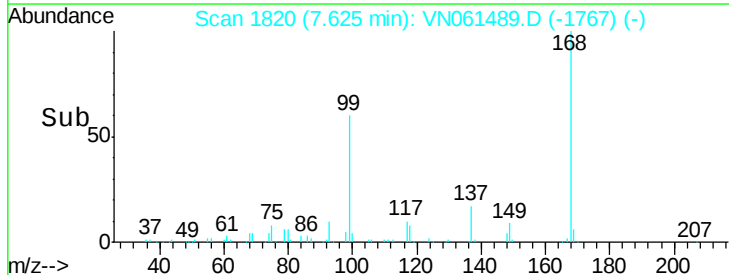
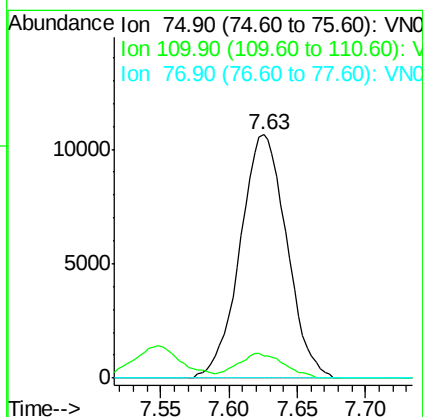
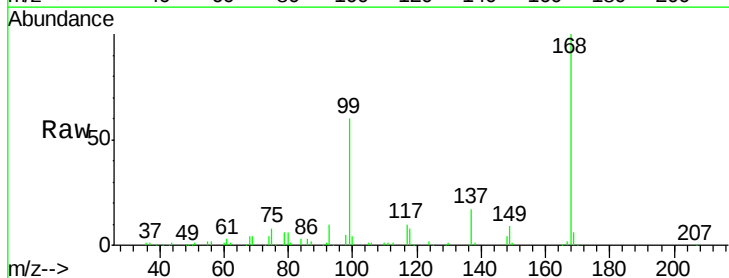
Instrument :
 MSVOA_N
 ClientSampleId :

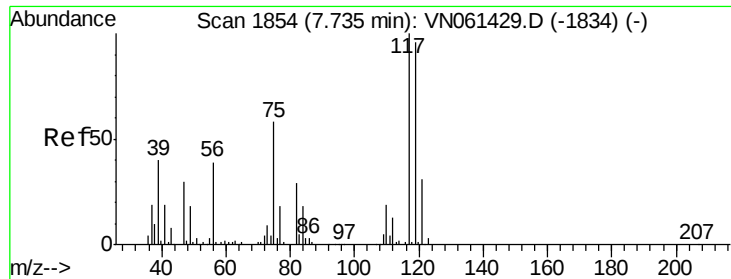
Tot Ion:113 Resp: 162096
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.6 121.0
 192 18.1 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 4.693 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061489.D
 Acq: 19 May 2020 17:30

Tgt Ion: 75 Resp: 25217
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.3 51.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.690 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

Instrument :

MSVOA_N

ClientSampled :

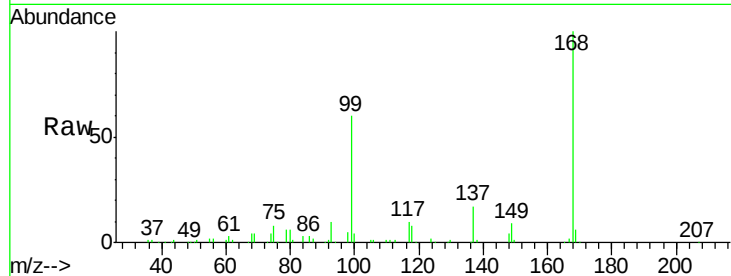
Tot Ion:117 Resp: 33101

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

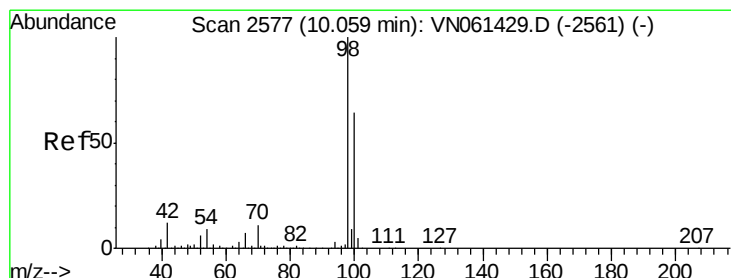
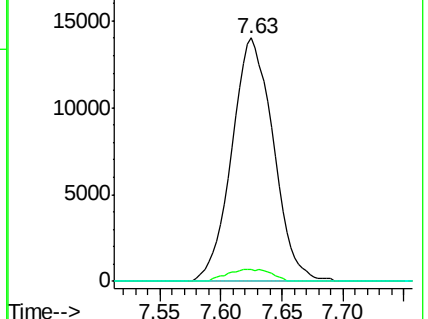
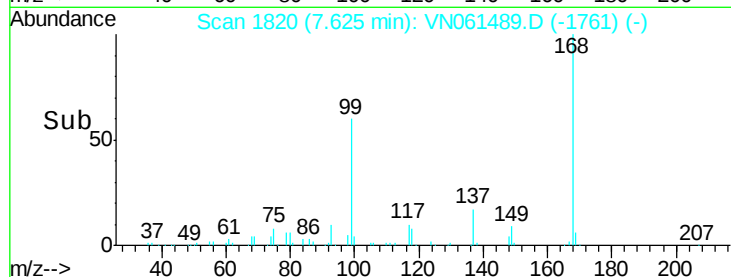
121 0.0 24.7 37.1#



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: 49.935 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061489.D

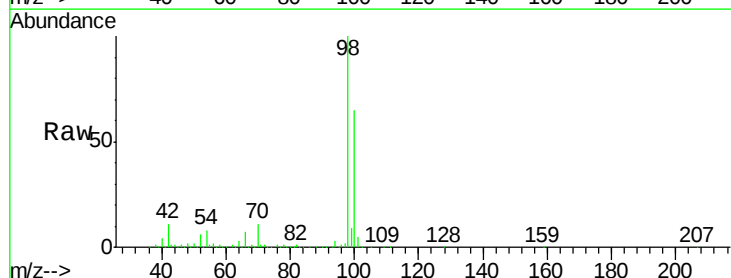
Acq: 19 May 2020 17:30

Tgt Ion: 98 Resp: 697309

Ion Ratio Lower Upper

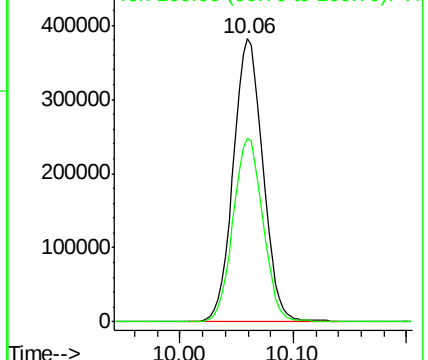
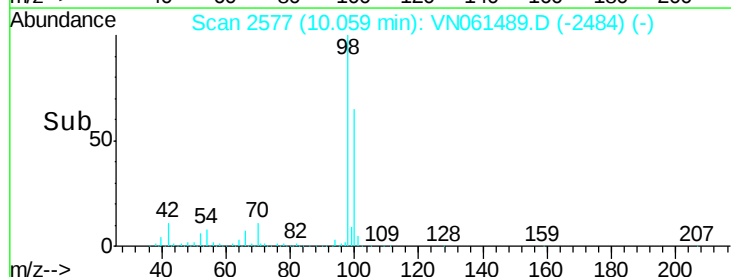
98 100

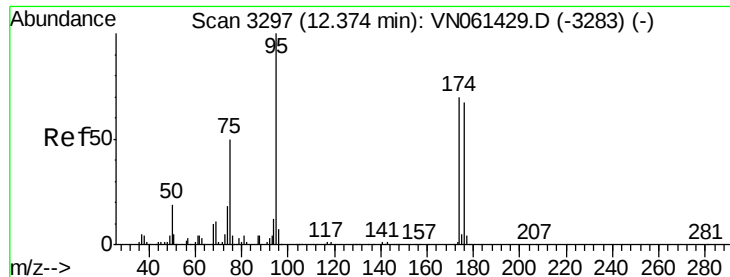
100 65.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.345 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

Instrument :

MSVOA_N

ClientSampled :

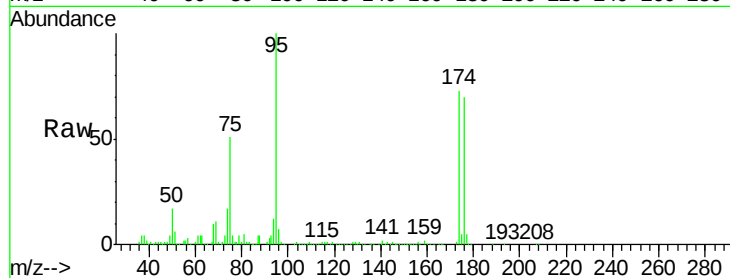
Tot Ion: 95 Resp: 252223

Ion Ratio Lower Upper

95 100

174 72.3 0.0 141.2

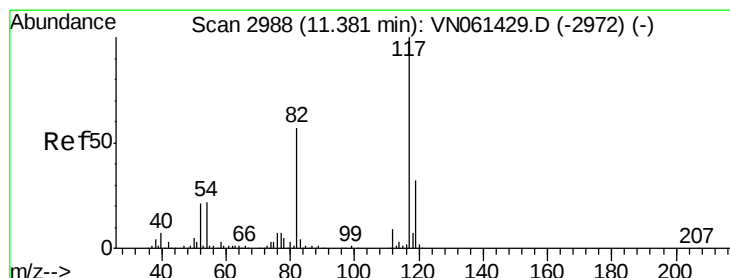
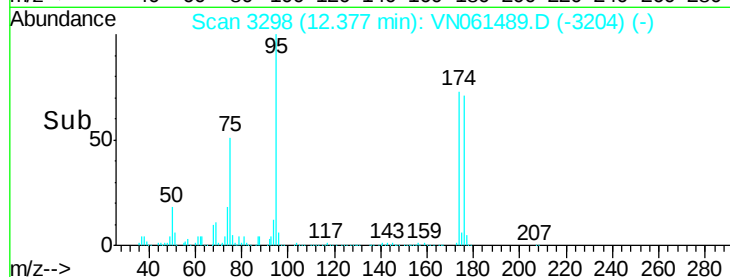
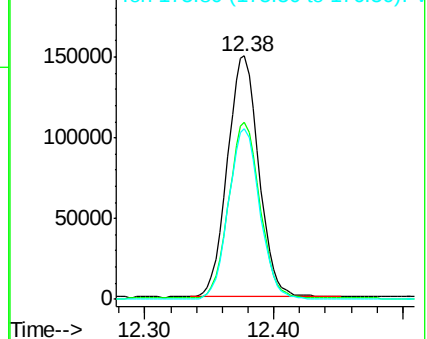
176 70.9 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061429.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061429.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061429.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

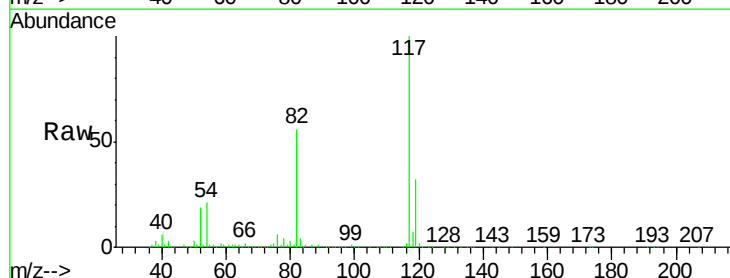
Tgt Ion: 117 Resp: 535632

Ion Ratio Lower Upper

117 100

82 56.2 45.2 67.8

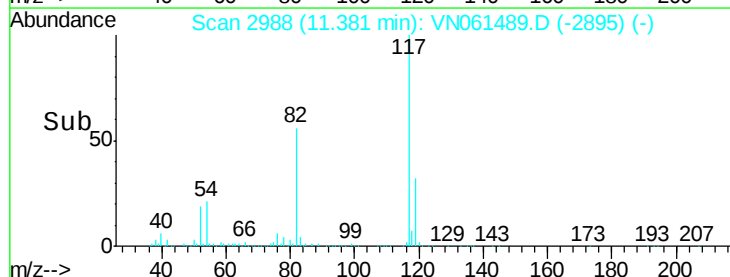
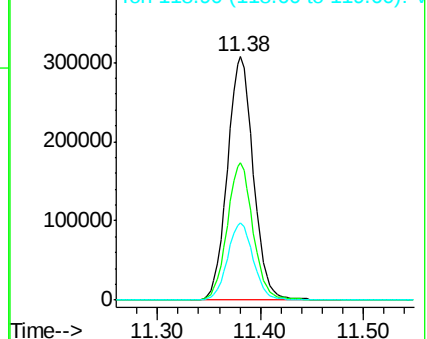
119 31.7 25.3 37.9

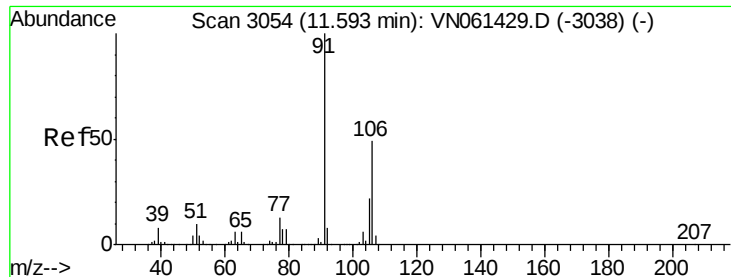


Abundance Ion 116.90 (116.60 to 117.60): VN061429.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN061429.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN061429.D (-2972) (-)





#68

m/p-Xvlenes

Concen: 0.445 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

Instrument :

MSVOA_N

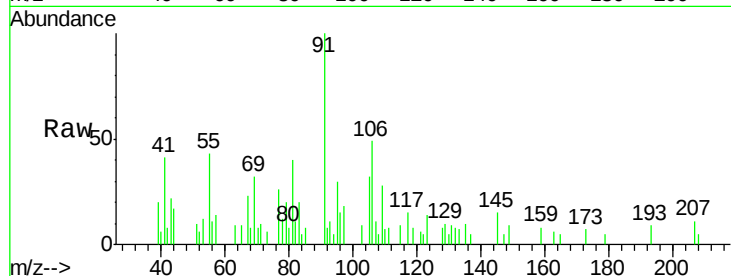
ClientSampled :

Tot Ion:106 Resp: 3366

Ion Ratio Lower Upper

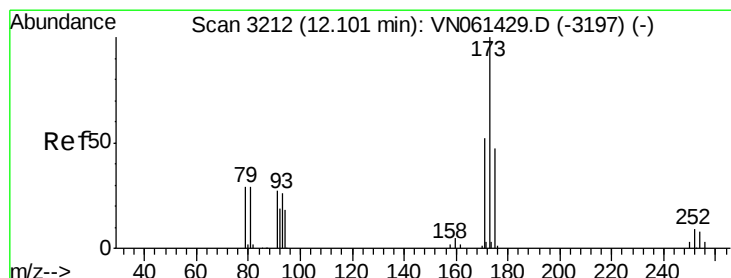
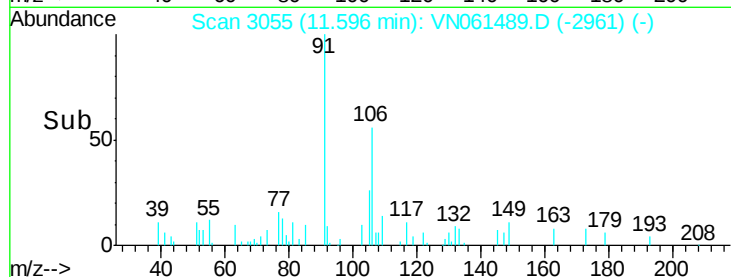
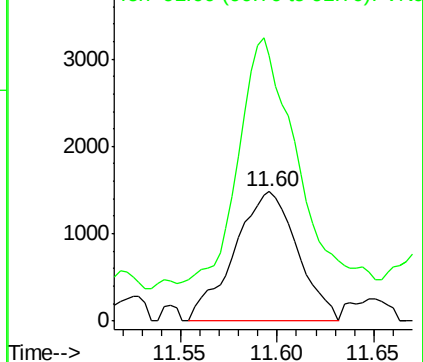
106 100

91 171.0 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 2.064 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.01 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

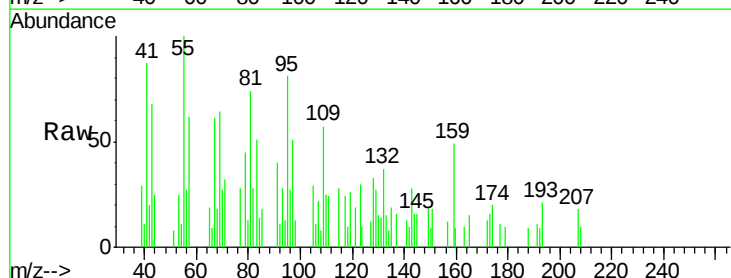
Tgt Ion:173 Resp: 138

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

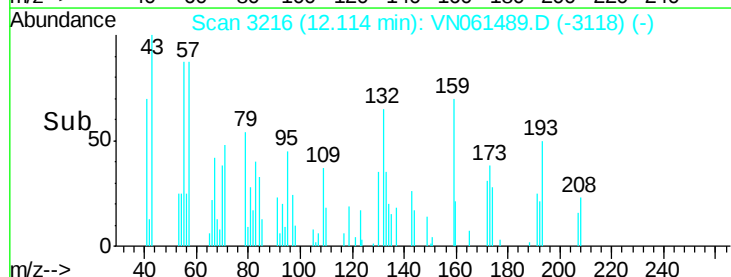
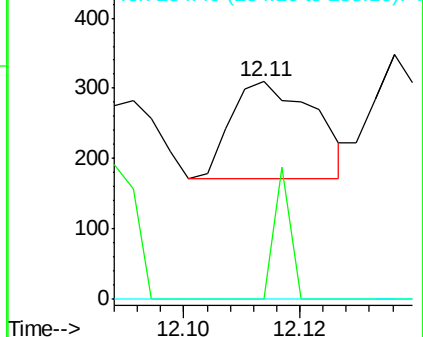
254 0.0 0.0 0.0

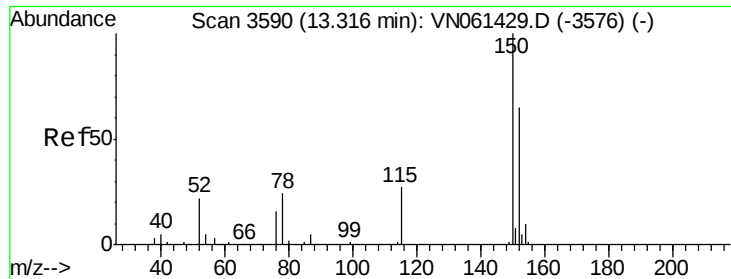


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

Instrument :

MSVOA_N

ClientSampleId :

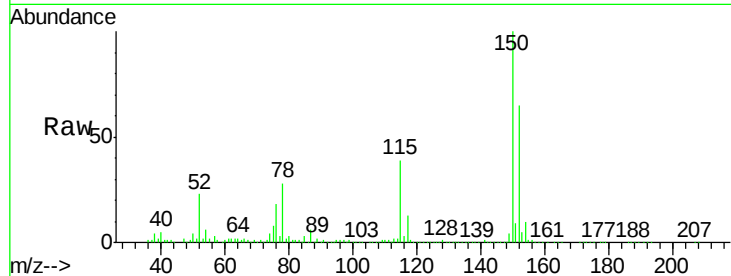
Tot Ion:152 Resp: 219007

Ion Ratio Lower Upper

152 100

115 60.1 30.9 92.5

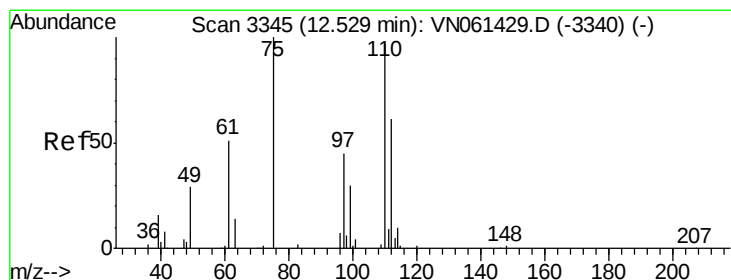
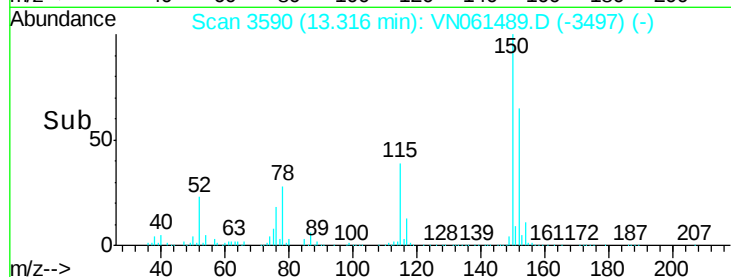
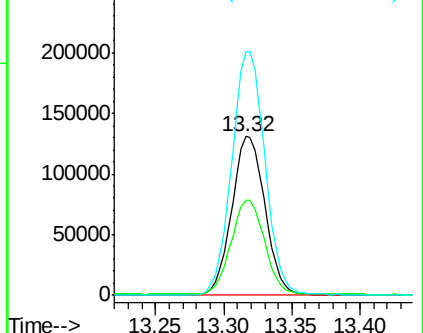
150 155.3 0.0 349.2



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: 27.220 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061489.D

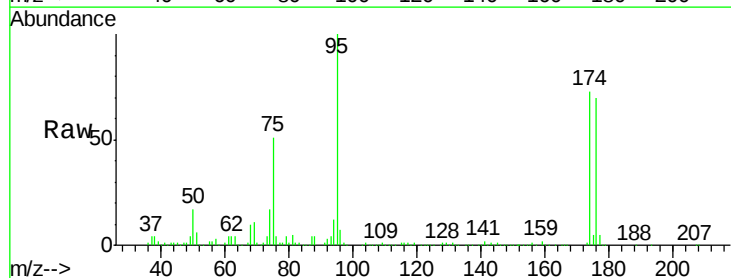
Acq: 19 May 2020 17:30

Tgt Ion: 75 Resp: 127917

Ion Ratio Lower Upper

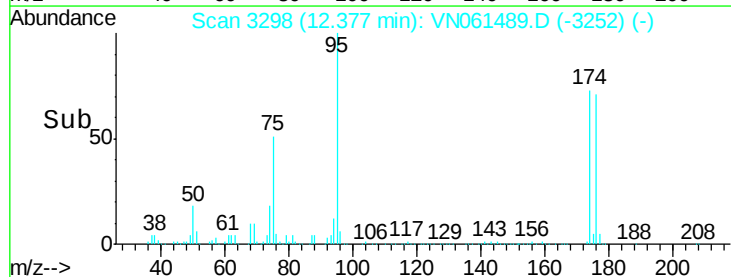
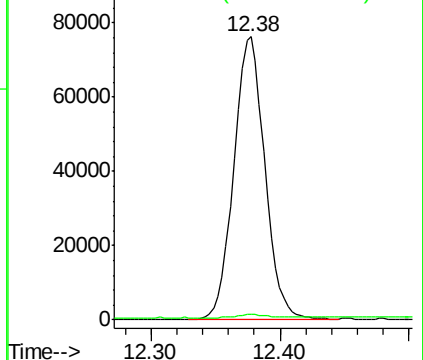
75 100

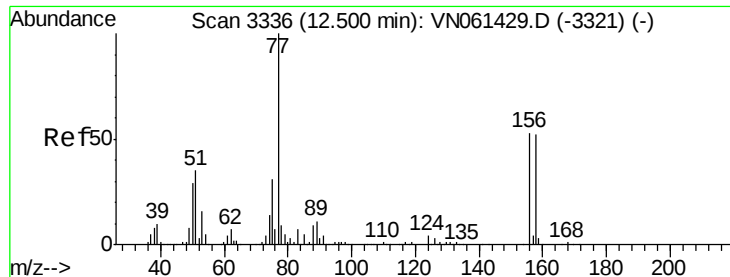
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 3.324 ug/l

RT: 12.46 min Scan# 3324

Delta R.T. -0.04 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

Instrument :

MSVOA_N

ClientSampled :

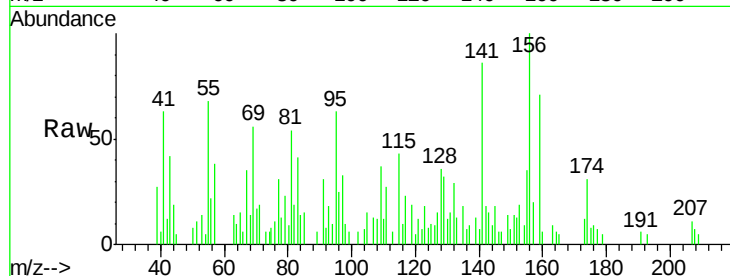
Tot Ion:156 Resp: 12685

Ion Ratio Lower Upper

156 100

77 1.0 112.3 336.9#

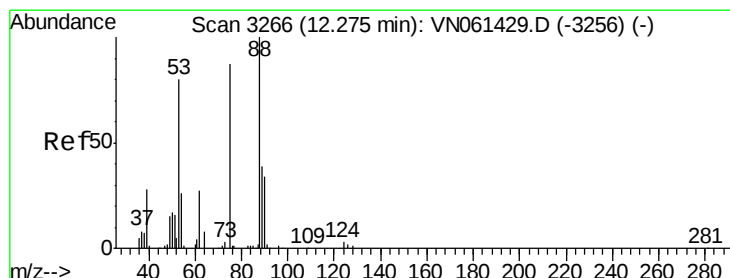
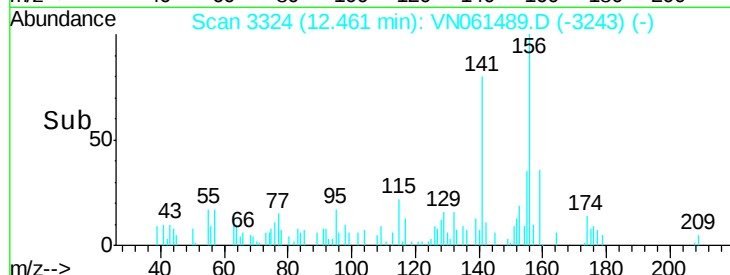
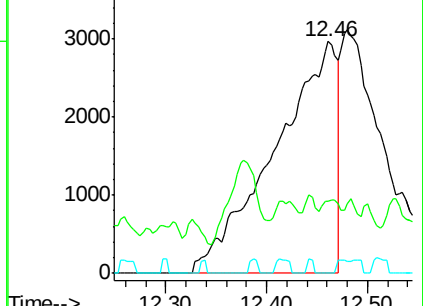
158 0.5 47.9 143.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.209 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061489.D

Acq: 19 May 2020 17:30

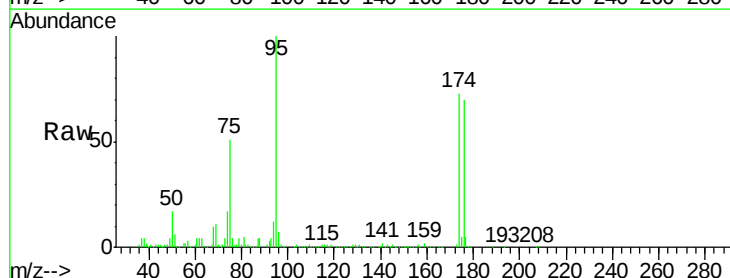
Tgt Ion: 75 Resp: 127917

Ion Ratio Lower Upper

75 100

53 0.1 75.2 112.8#

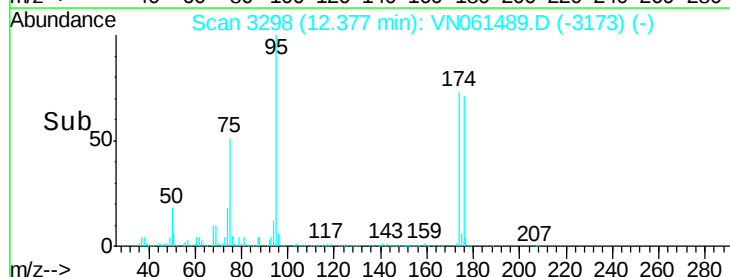
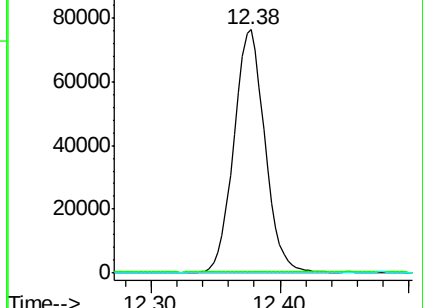
89 0.1 38.2 57.4#

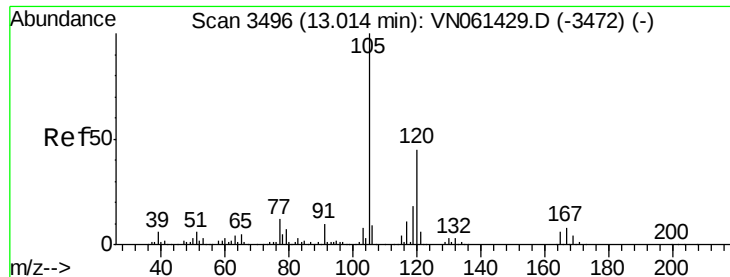


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

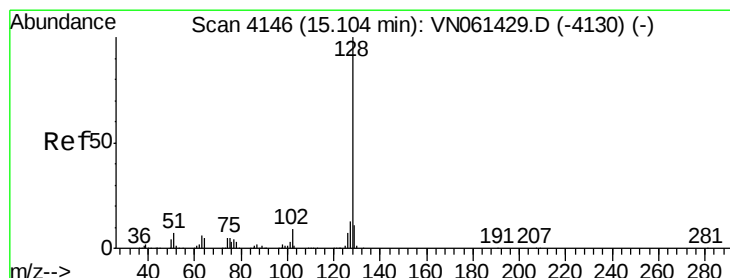
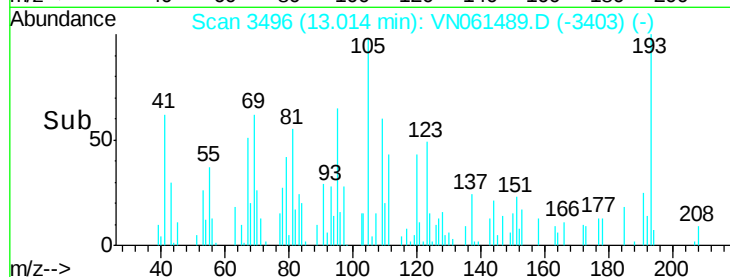
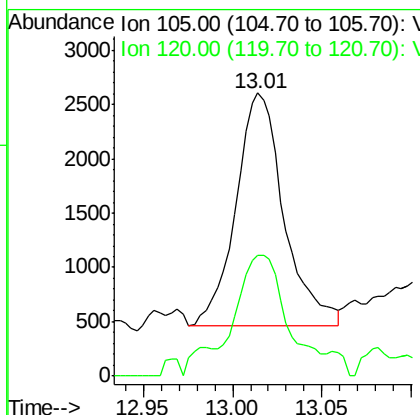
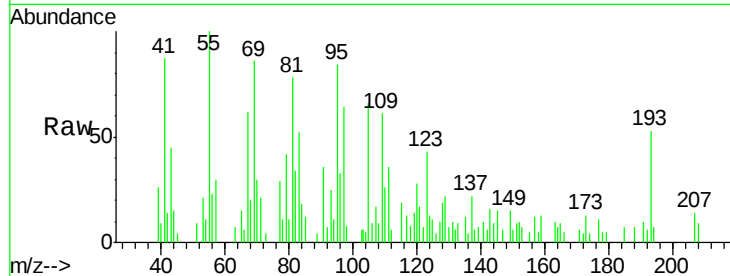




#84
1,2,4-Trimethylbenzene
Concen: 0.279 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061489.D
Acq: 19 May 2020 17:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:105 Resp: 4023
Ion Ratio Lower Upper
105 100
120 41.3 22.4 67.3



#95
Naphthalene
Concen: 0.642 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061489.D
Acq: 19 May 2020 17:30

Tgt Ion:128 Resp: 7410
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.3 8.6 13.0

