

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061492.D
 Acq On : 19 May 2020 18:40
 Operator : JC/MD
 Sample : L2676-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 03:00:17 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

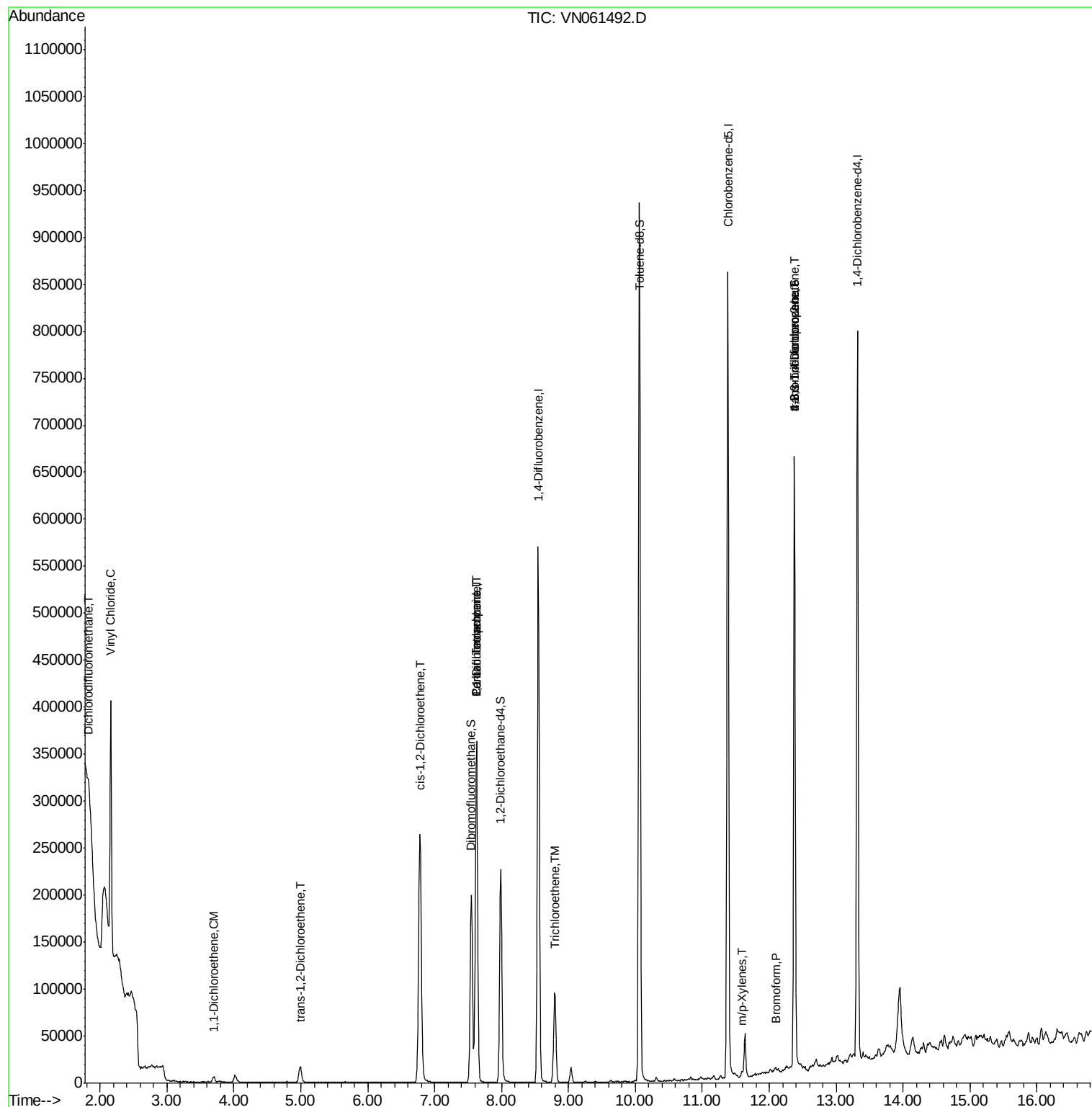
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	285102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	524248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	497292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	203576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	199548	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	7.55	113	152774	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
50) Toluene-d8	10.06	98	647726	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.37	95	236219	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	4072	1.718	ug/l	99
4) Vinyl Chloride	2.16	62	236081	42.662	ug/l	99
5) Bromomethane	2.52	94	61	Below Cal	#	24
12) 1,1-Dichloroethene	3.70	96	3677	1.258	ug/l	86
16) Acetone	3.78	43	1411	Below Cal	#	43
17) Carbon Disulfide	4.01	76	3830	Below Cal	#	85
18) Methyl Acetate	4.27	43	118	Below Cal	#	49
21) trans-1,2-Dichloroethene	4.99	96	11572	3.434	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	185288	46.549	ug/l	85
31) Cyclohexane	7.63	56	6674	Below Cal	#	1
36) 1,1-Dichloropropene	7.63	75	24359	4.969	ug/l #	46
38) Carbon Tetrachloride	7.63	117	29891	6.622	ug/l #	15
44) Trichloroethene	8.80	130	24213	6.255	ug/l	99
68) m/p-Xylenes	11.60	106	2195	0.312	ug/l	92
71) Bromoform	12.10	173	121	2.061	ug/l #	29
76) 1,2,3-Trichloropropane	12.37	75	123004	28.159	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	123004	74.699	ug/l #	12

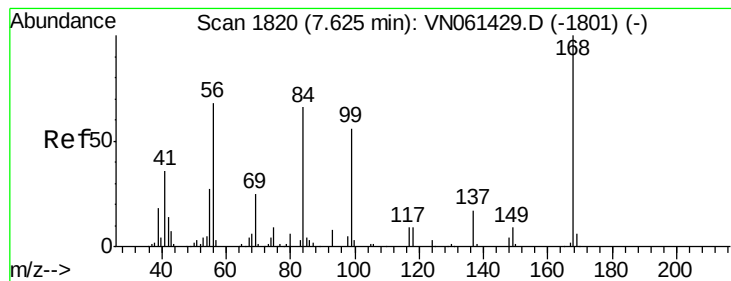
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

Instrument :

MSVOA_N

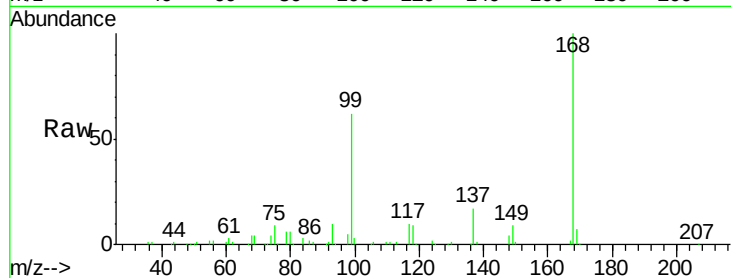
ClientSampleId :

Tot Ion:168 Resp: 285102

Ion Ratio Lower Upper

168 100

99 61.7 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

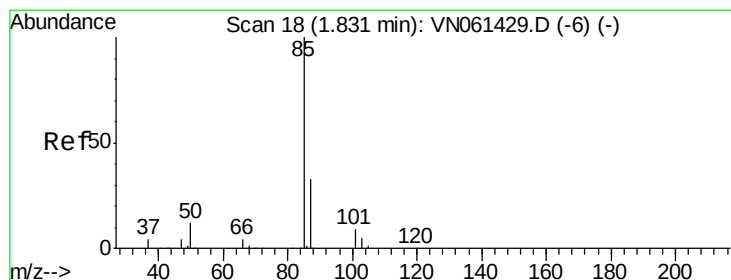
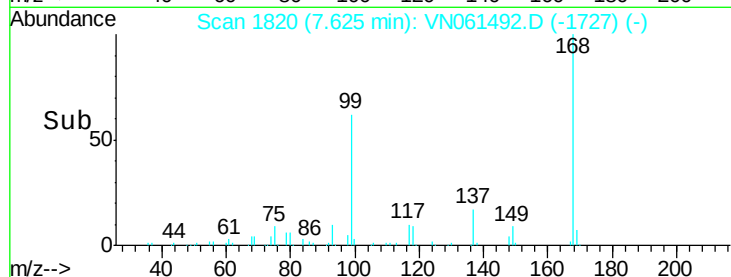
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.718 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061492.D

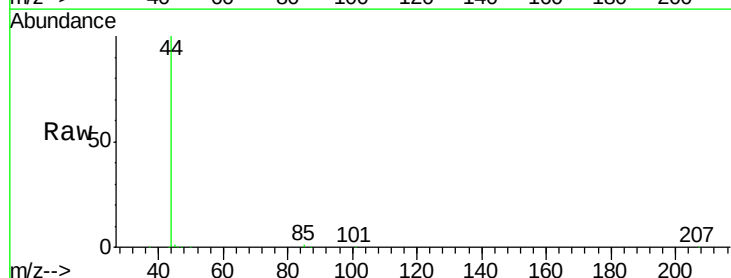
Acq: 19 May 2020 18:40

Tgt Ion: 85 Resp: 4072

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

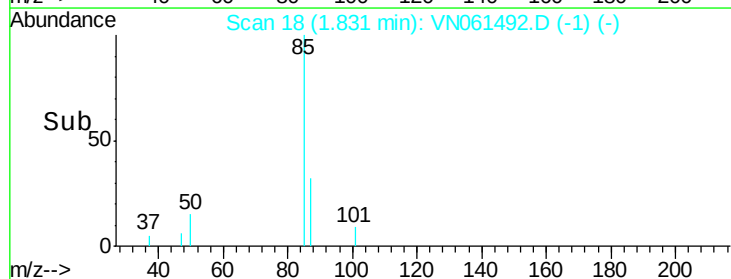
3000

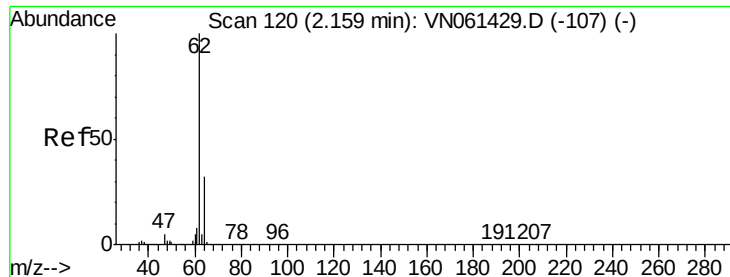
2000

1000

0

Time--> 1.80 1.85





#4

Vinyl Chloride

Concen: 42.662 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

Instrument :

MSVOA_N

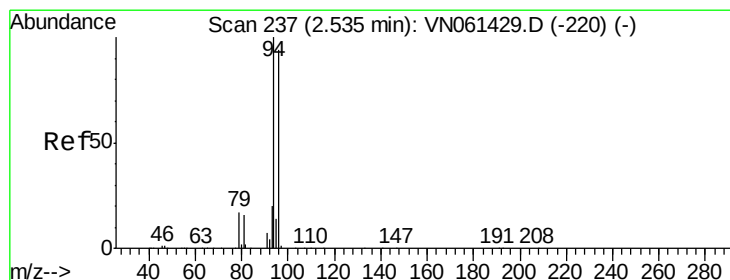
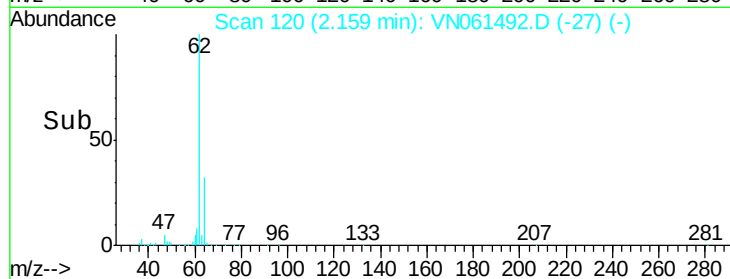
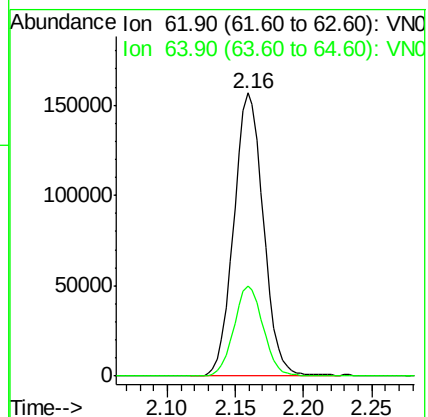
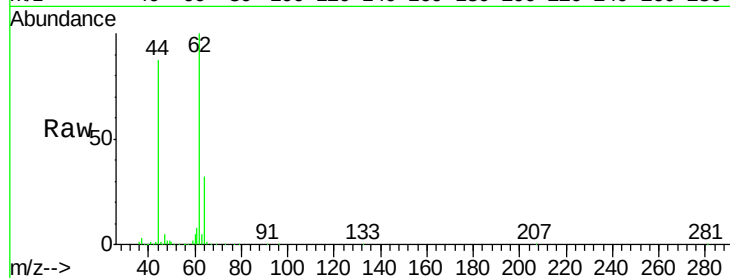
ClientSampleId :

Tot Ion: 62 Resp: 236081

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9



#5

Bromomethane

Concen: Below Cal

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061492.D

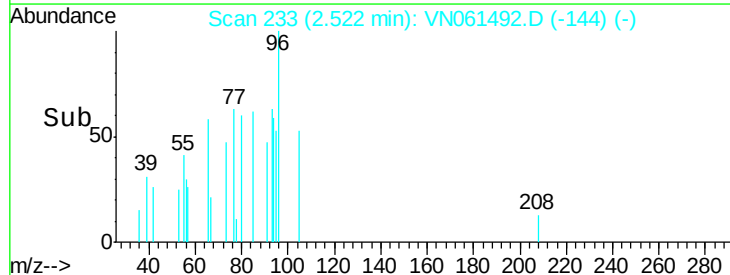
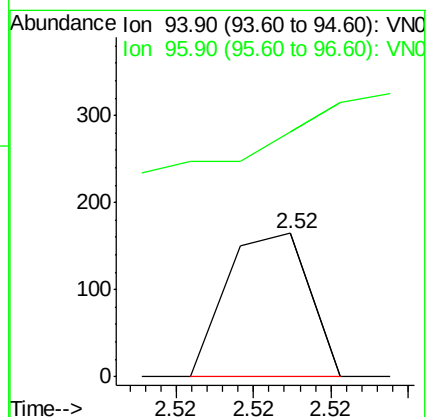
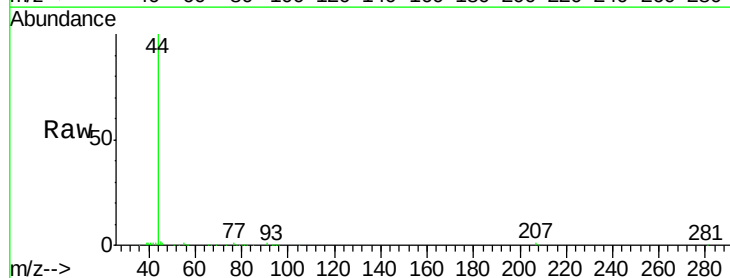
Acq: 19 May 2020 18:40

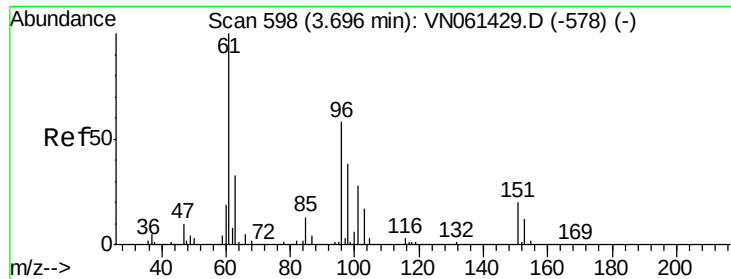
Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 20.0 74.9 112.3#

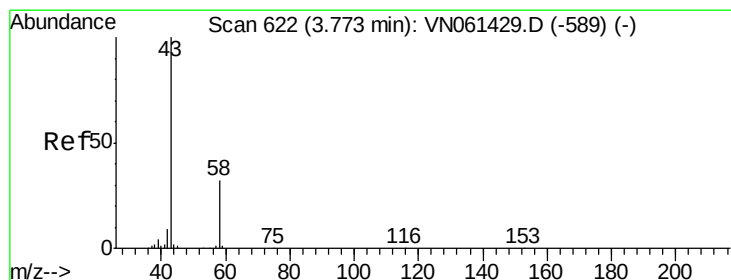
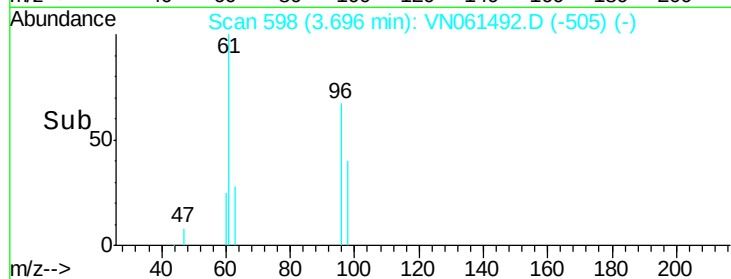
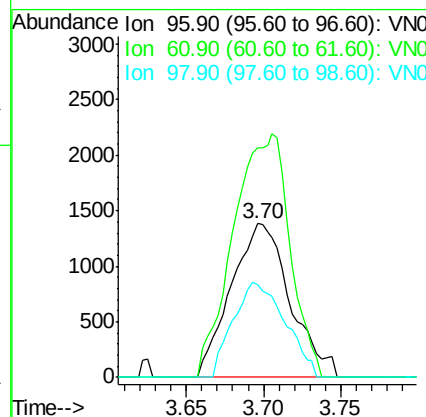
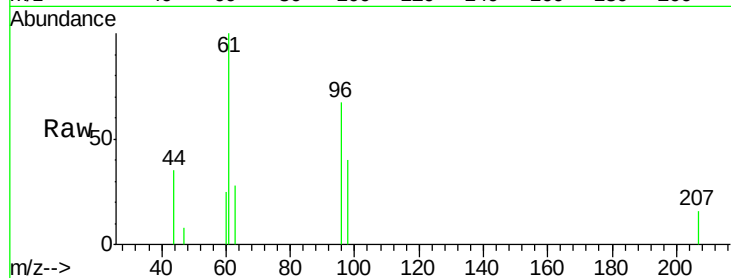




#12
 1,1-Dichloroethene
 Concen: 1.258 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061492.D
 Acq: 19 May 2020 18:40

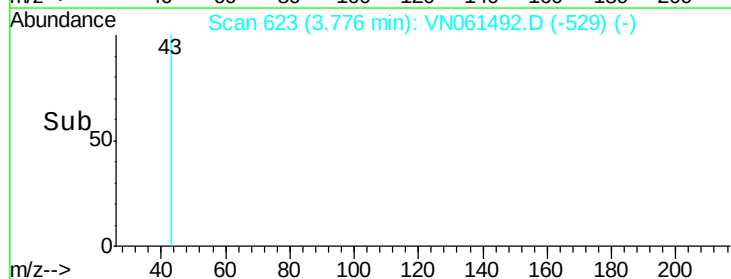
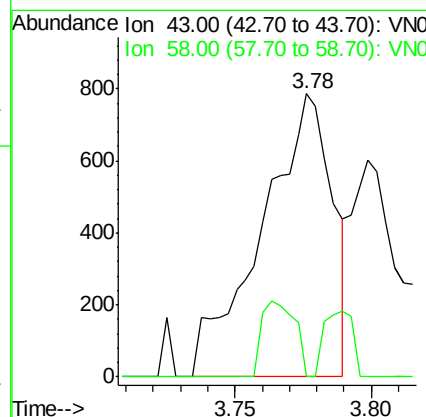
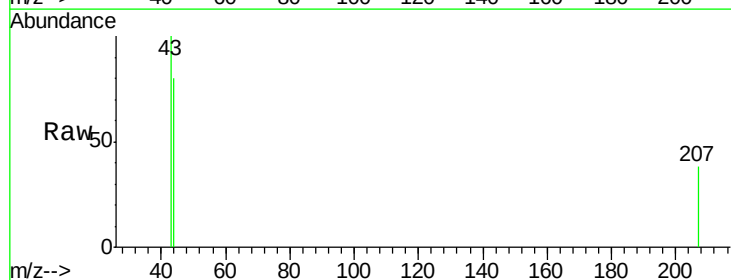
Instrument :
 MSVOA_N
 ClientSampled :

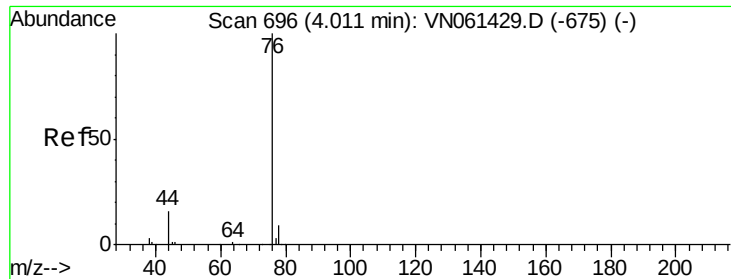
Tot Ion: 96 Resp: 3677
 Ion Ratio Lower Upper
 96 100
 61 149.7 138.7 208.1
 98 60.3 53.0 79.6



#16
 Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061492.D
 Acq: 19 May 2020 18:40

Tgt Ion: 43 Resp: 1411
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#

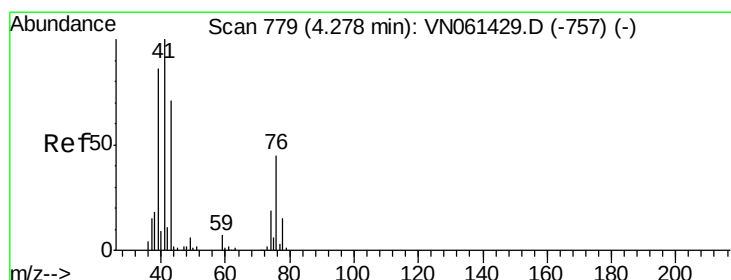
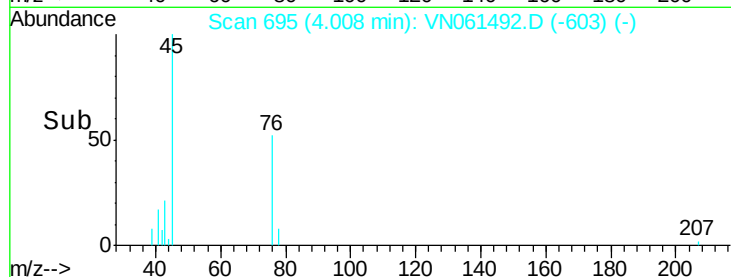
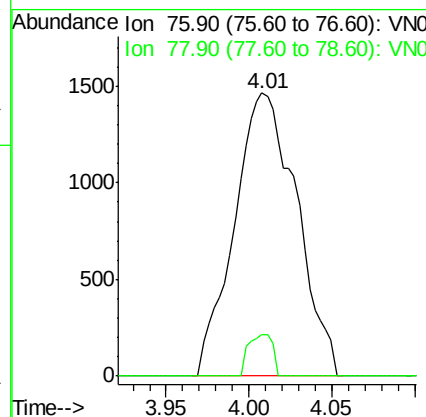
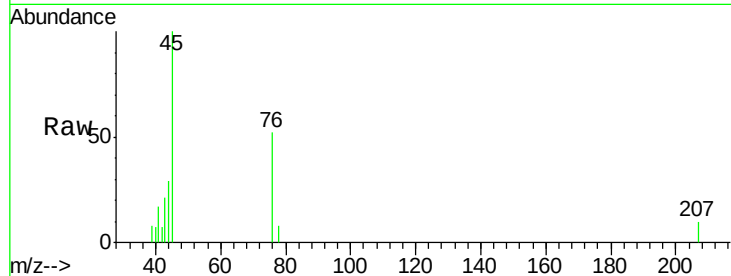




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

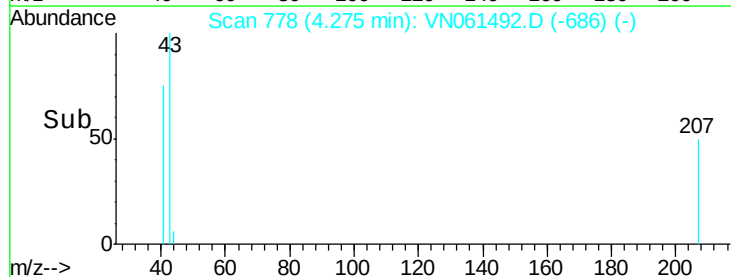
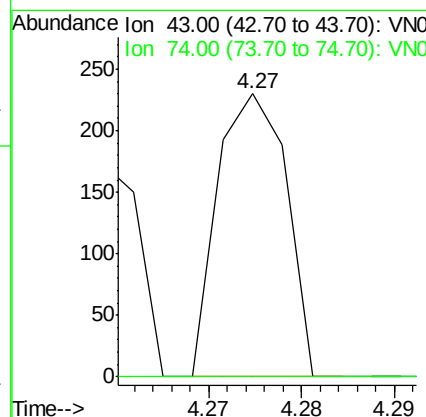
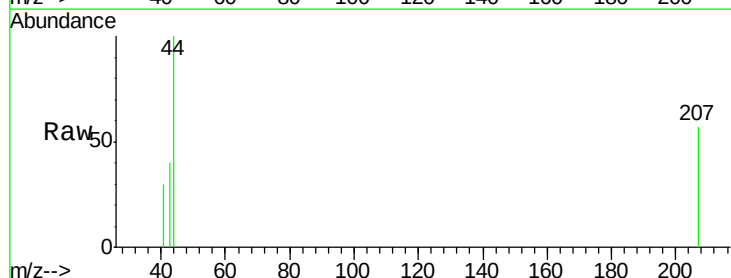
Instrument :
MSVOA_N
ClientSampled :

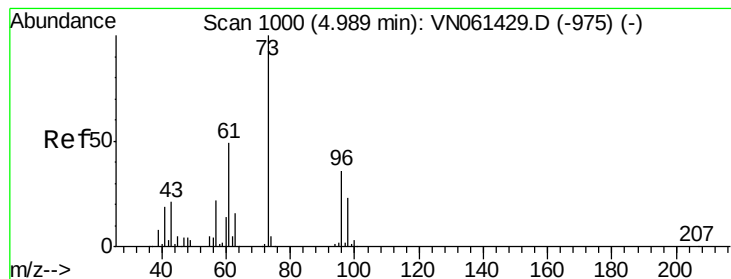
Tot Ion: 76 Resp: 3830
Ion Ratio Lower Upper
76 100
78 14.8 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



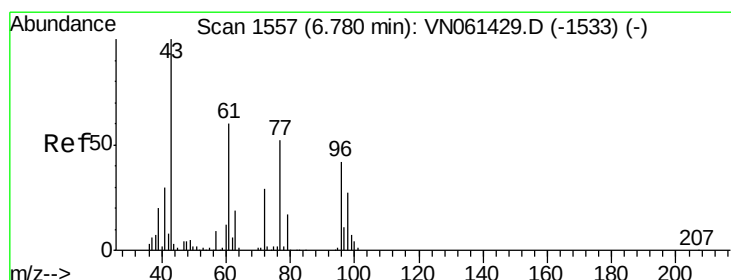
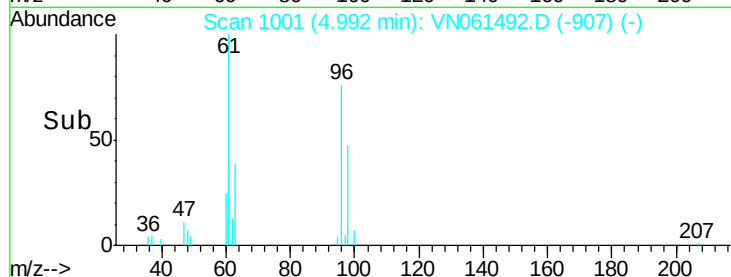
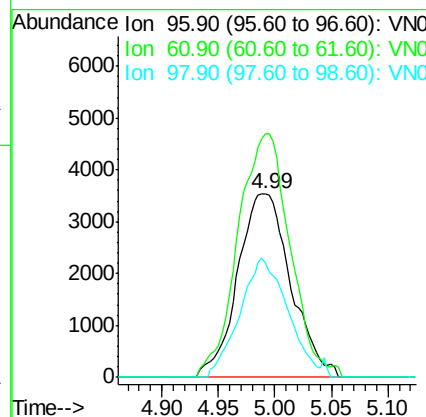
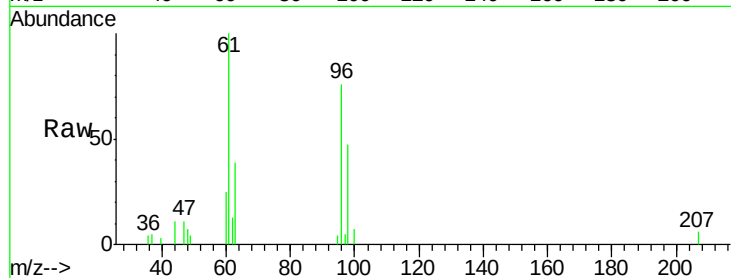


#21

trans-1,2-Dichloroethene
Concen: 3.434 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

Instrument :
MSVOA_N
ClientSampled :

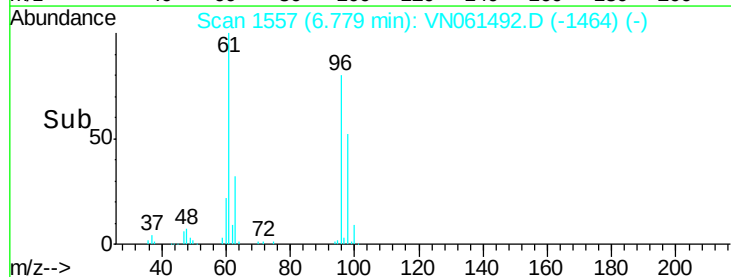
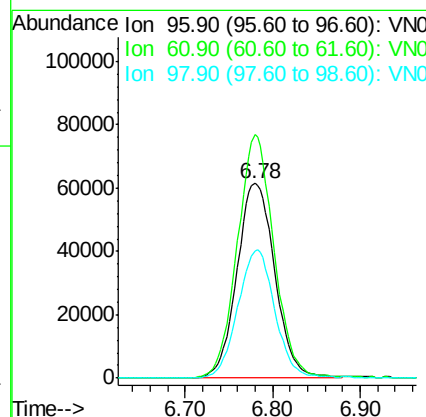
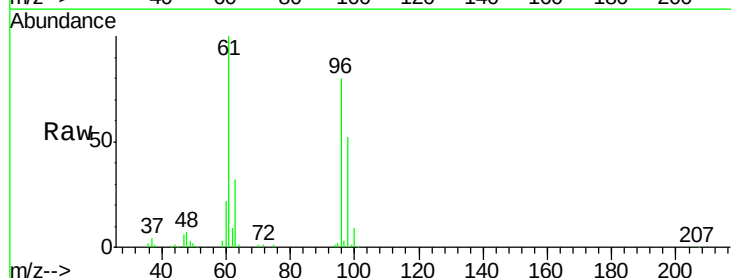
Tot Ion: 96 Resp: 11572
Ion Ratio Lower Upper
96 100
61 132.3 109.8 164.6
98 62.1 52.4 78.6

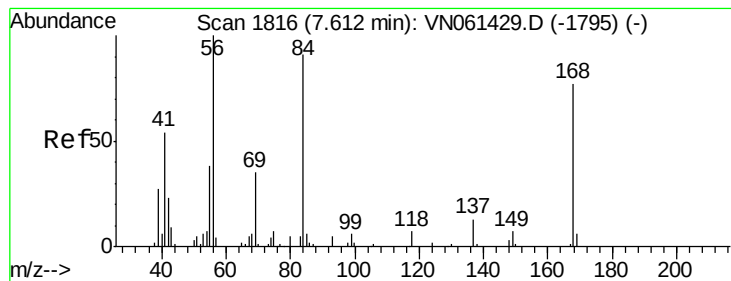


#27

cis-1,2-Dichloroethene
Concen: 46.549 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

Tgt Ion: 96 Resp: 185288
Ion Ratio Lower Upper
96 100
61 120.5 0.0 294.2
98 64.2 0.0 128.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

Instrument :
MSVOA_N
ClientSampled :

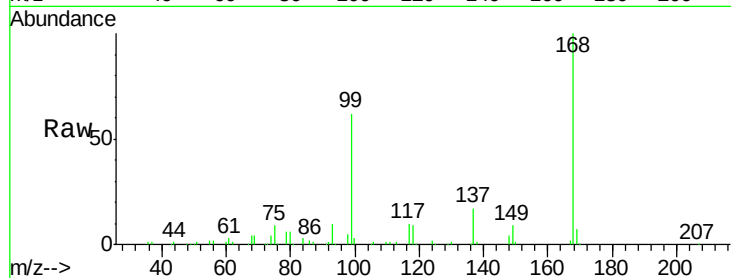
Tot Ion: 56 Resp: 6674

Ion Ratio Lower Upper

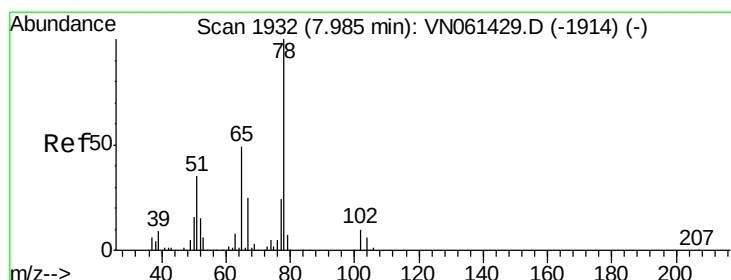
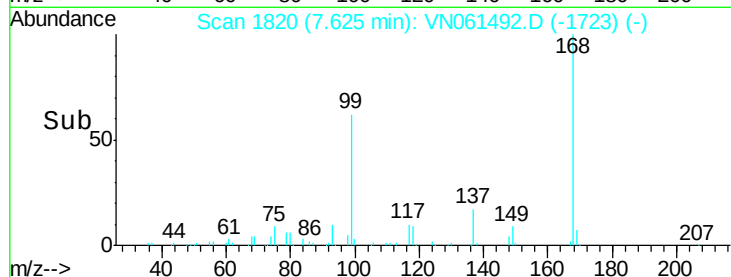
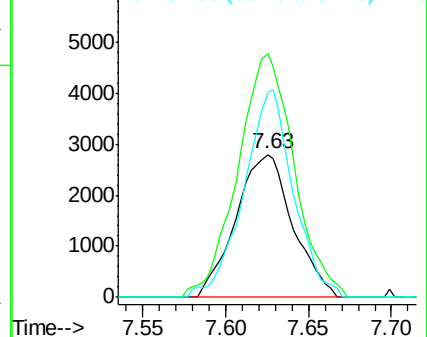
56 100

69 164.4 27.8 41.6#

84 144.0 72.7 109.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.897 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061492.D

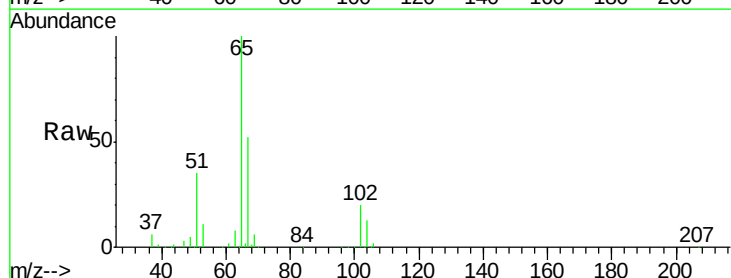
Acq: 19 May 2020 18:40

Tgt Ion: 65 Resp: 199548

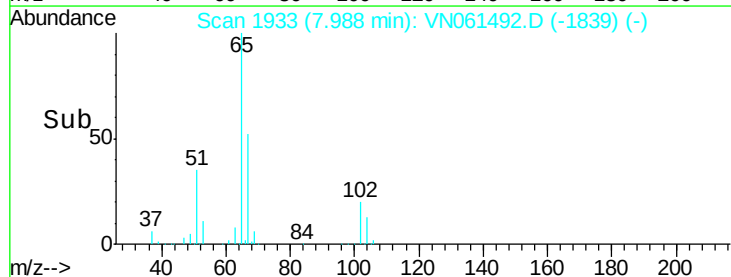
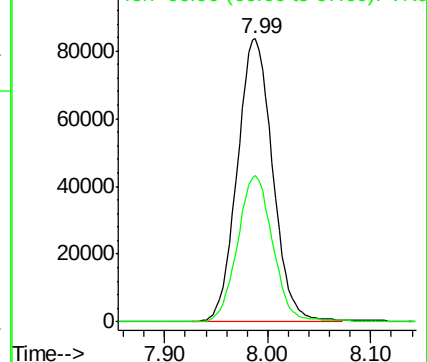
Ion Ratio Lower Upper

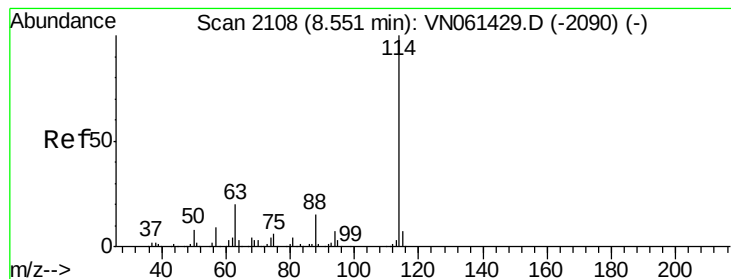
65 100

67 51.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

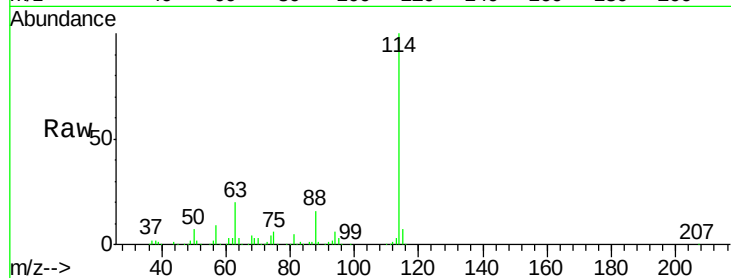
Tot Ion:114 Resp: 524248

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

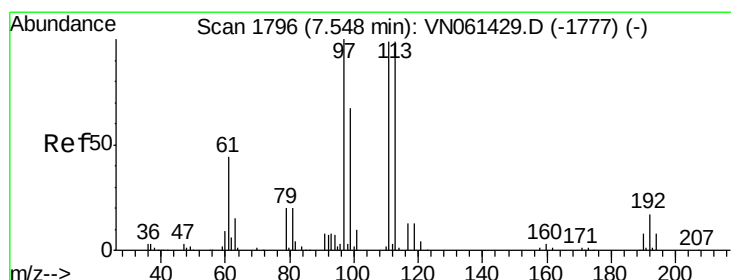
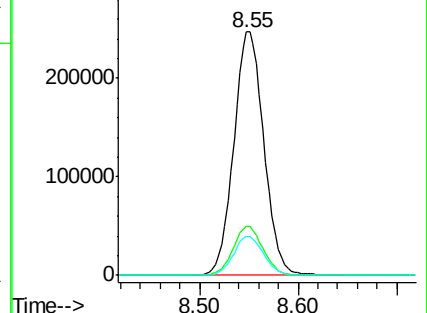
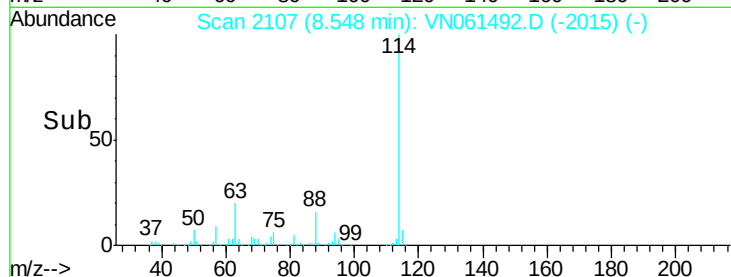
88 16.0 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 55.627 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

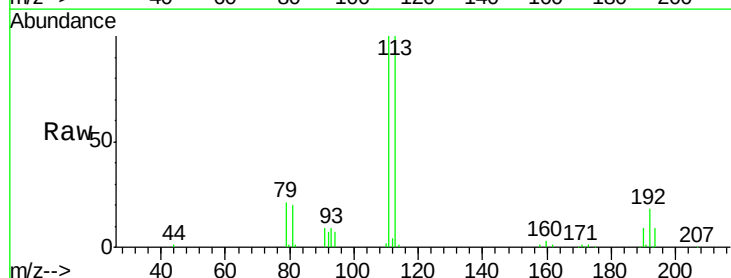
Tgt Ion:113 Resp: 152774

Ion Ratio Lower Upper

113 100

111 103.4 80.6 121.0

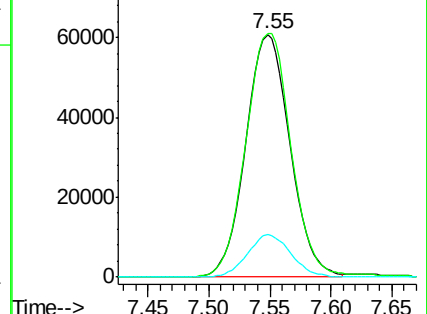
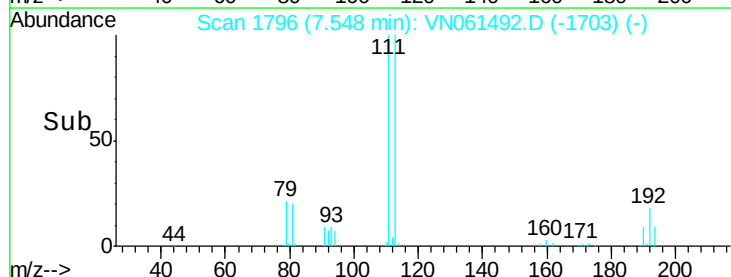
192 17.2 13.2 19.8

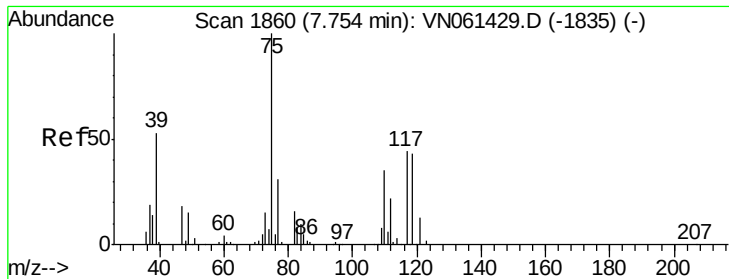


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

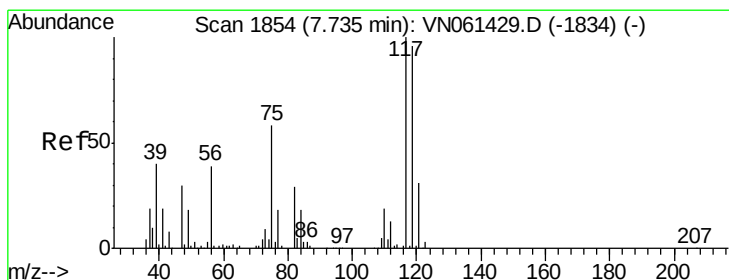
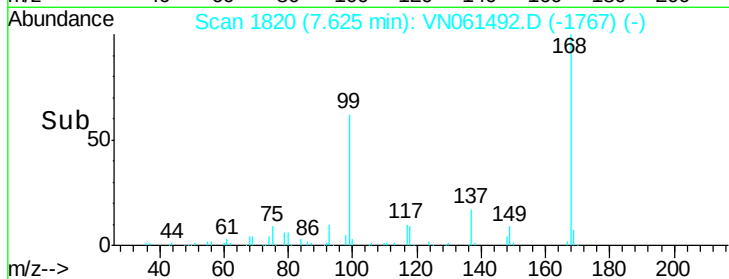
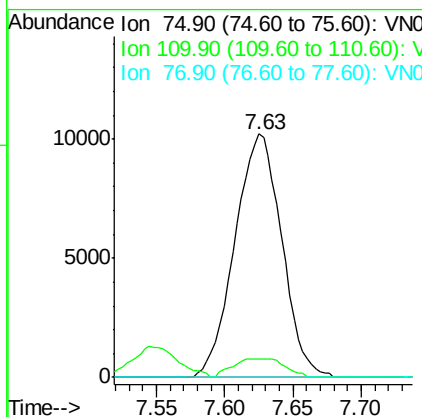
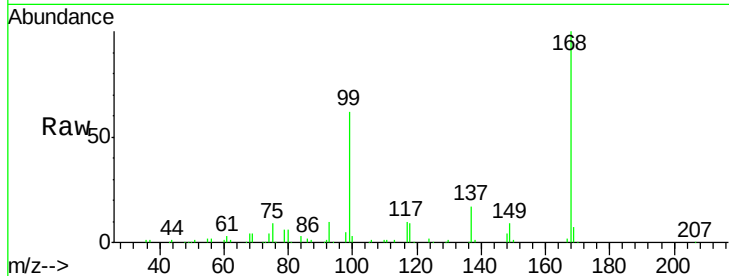




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061492.D
 Acq: 19 May 2020 18:40

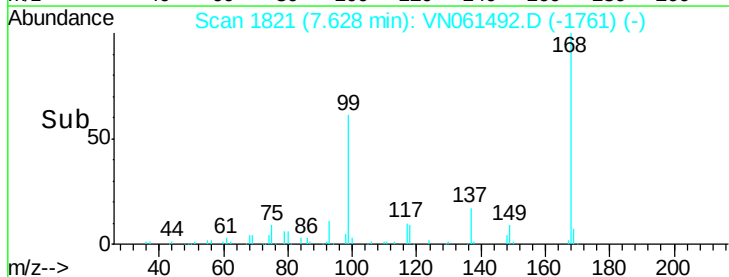
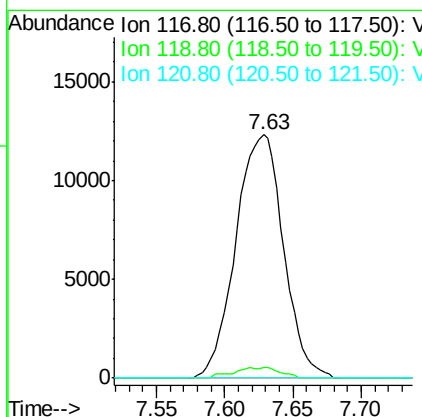
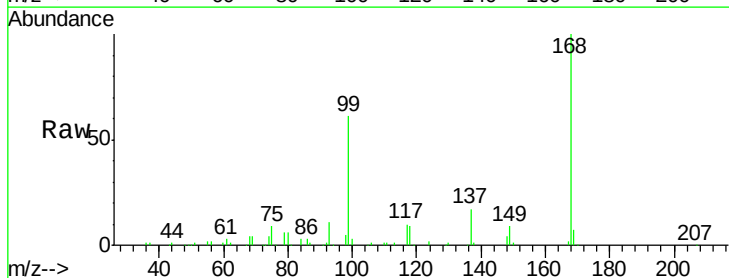
Instrument :
 MSVOA_N
 ClientSampled :

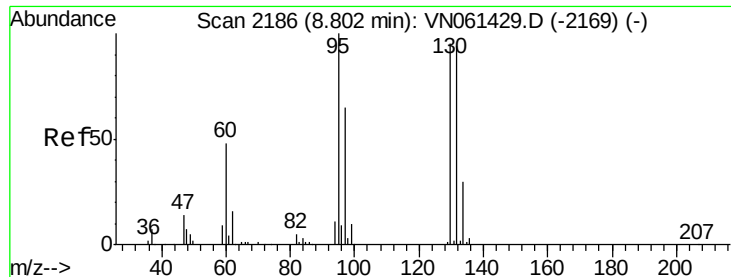
Tot Ion	75	Resp	24359
Ion Ratio	Lower	Upper	
75	100		
110	4.5	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.622 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061492.D
 Acq: 19 May 2020 18:40

Tgt Ion	117	Resp	29891
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.2	77.0	115.6#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 6.255 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

Instrument :

MSVOA_N

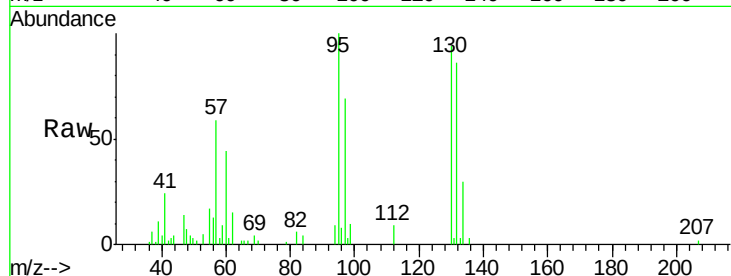
ClientSampled :

Tot Ion:130 Resp: 24213

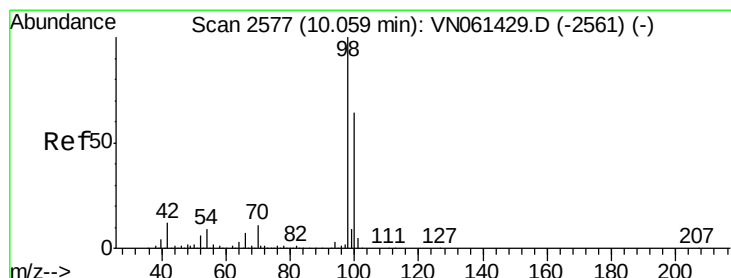
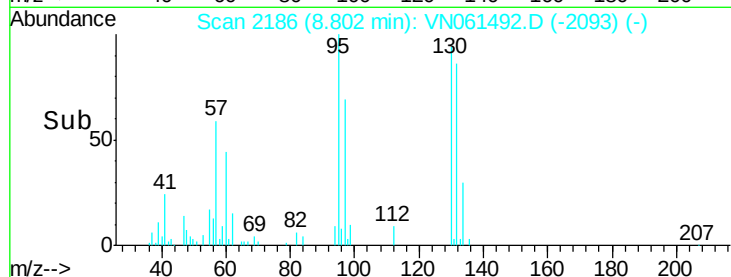
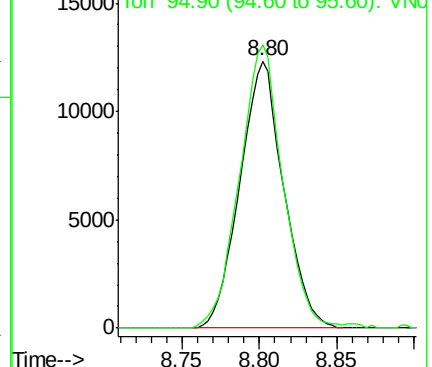
Ion Ratio Lower Upper

130 100

95 106.0 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)



#50

Toluene-d8

Concen: 50.848 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061492.D

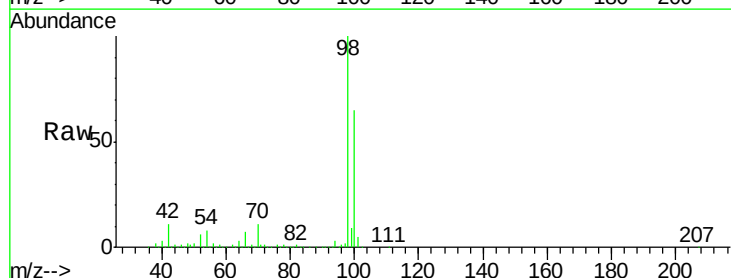
Acq: 19 May 2020 18:40

Tgt Ion: 98 Resp: 647726

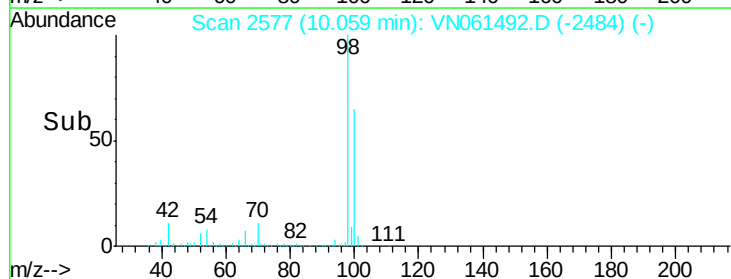
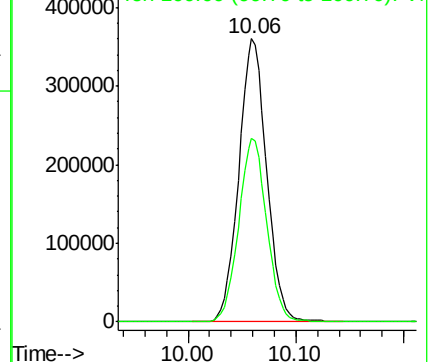
Ion Ratio Lower Upper

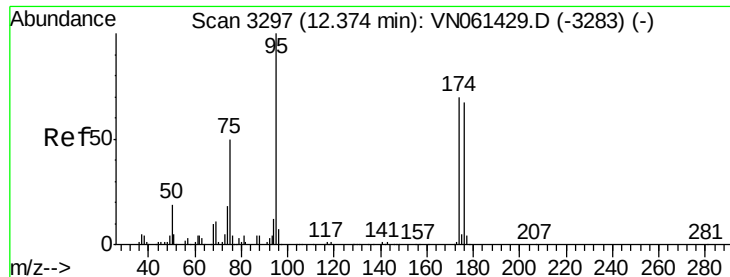
98 100

100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN061429.D (-2561) (-)

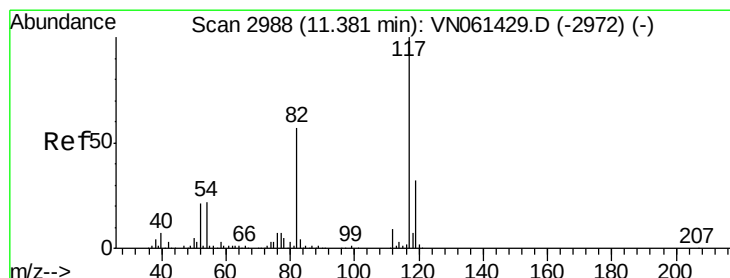
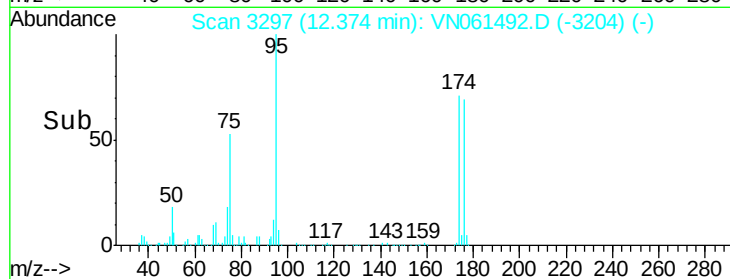
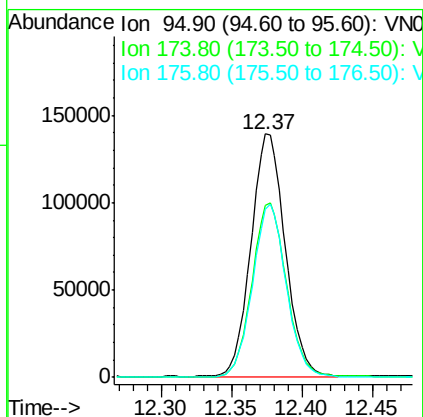
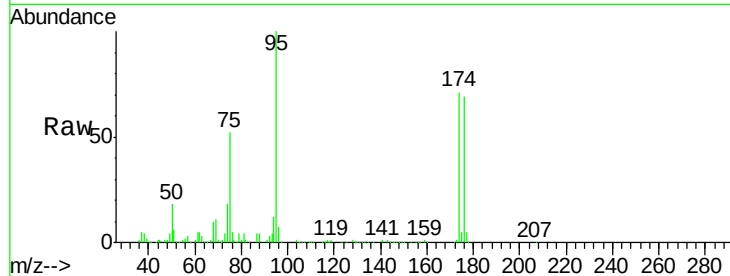




#62
4-Bromofluorobenzene
Concen: 49.635 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

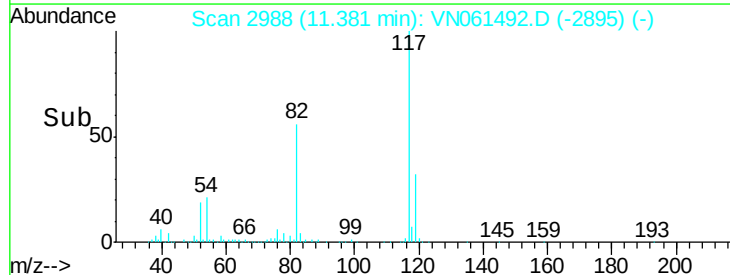
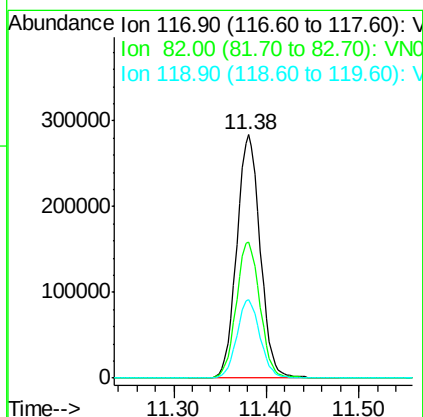
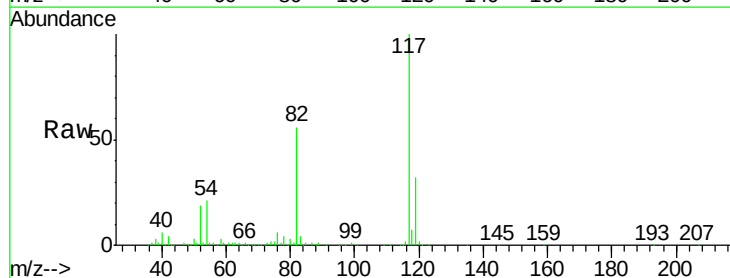
Instrument :
MSVOA_N
ClientSampled :

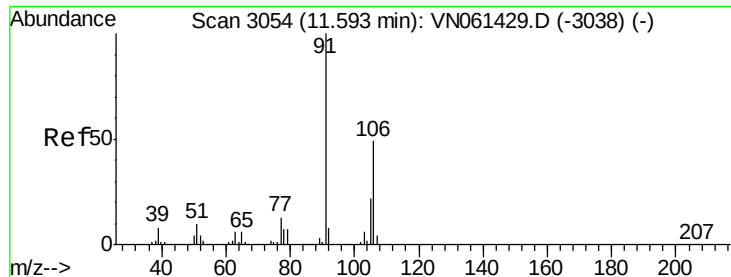
Tot Ion	95	Resp	236219
Ion Ratio	Lower	Upper	
95	100		
174	71.6	0.0	141.2
176	70.3	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

Tgt Ion	117	Resp	497292
Ion Ratio	Lower	Upper	
117	100		
82	55.9	45.2	67.8
119	32.1	25.3	37.9

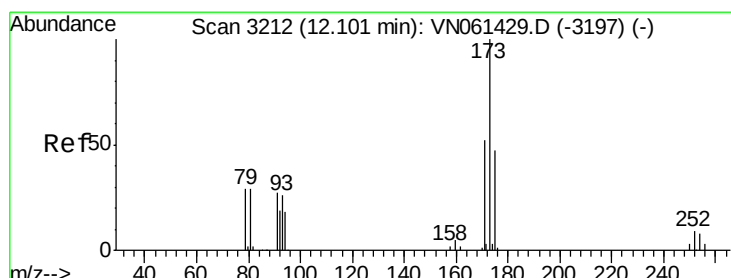
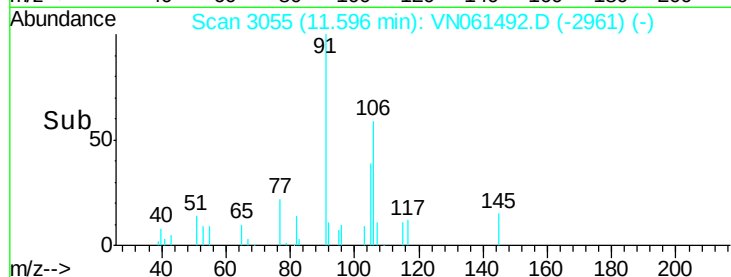
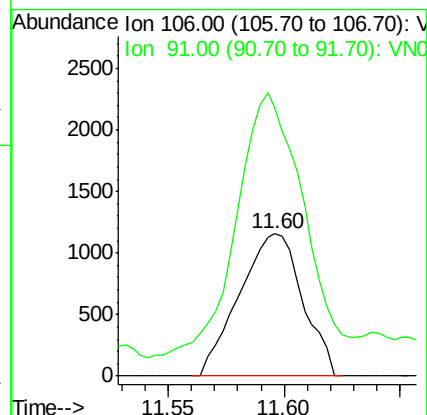
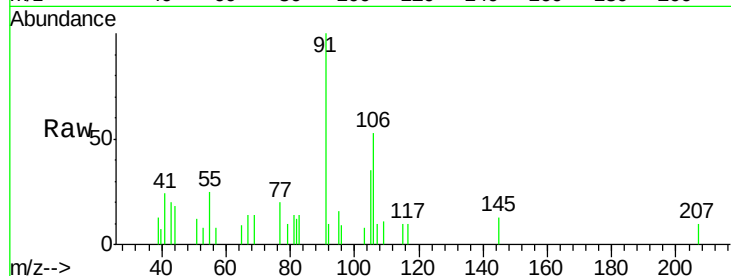




#68
m/p-Xvlenes
Concen: 0.312 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

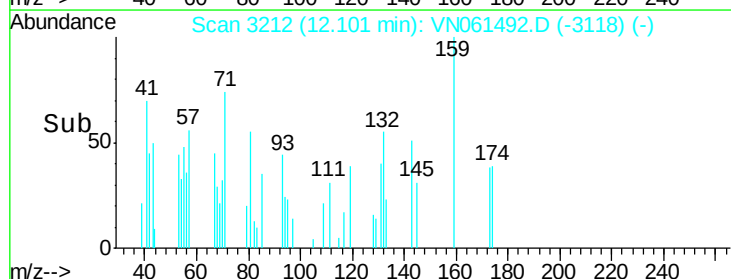
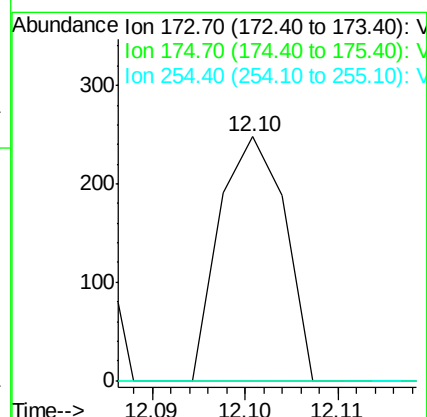
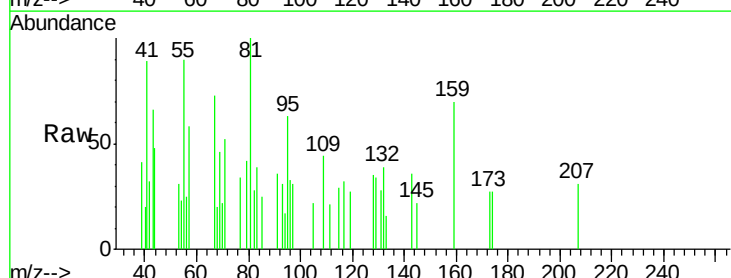
Instrument :
MSVOA_N
ClientSampled :

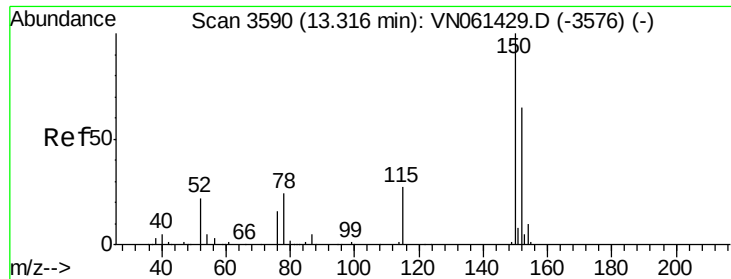
Tot Ion:106 Resp: 2195
Ion Ratio Lower Upper
106 100
91 191.3 163.0 244.6



#71
Bromoform
Concen: 2.061 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061492.D
Acq: 19 May 2020 18:40

Tgt Ion:173 Resp: 121
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

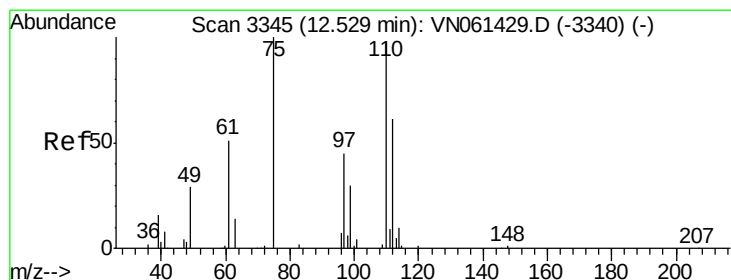
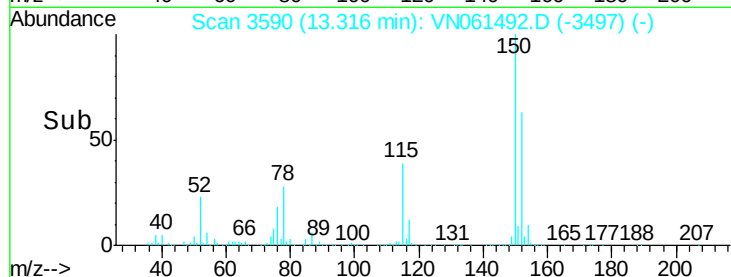
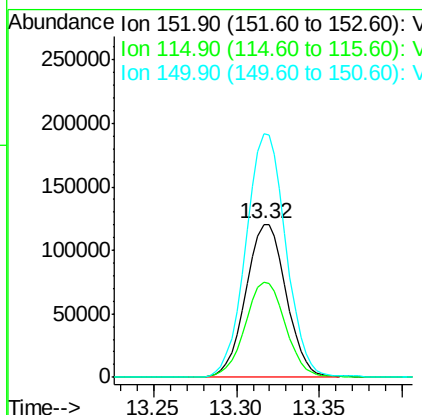
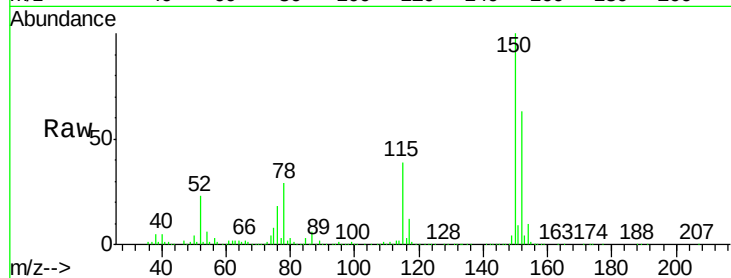




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VN061492.D
 Acq: 19 May 2020 18:40

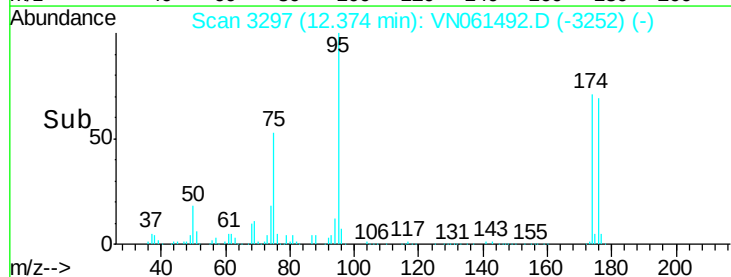
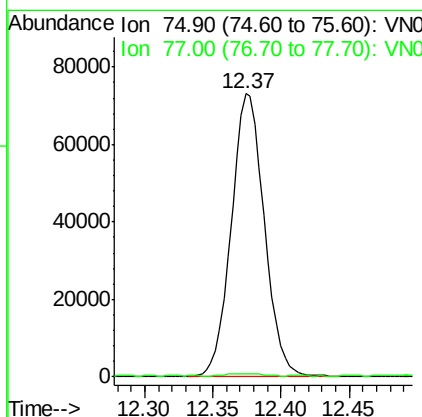
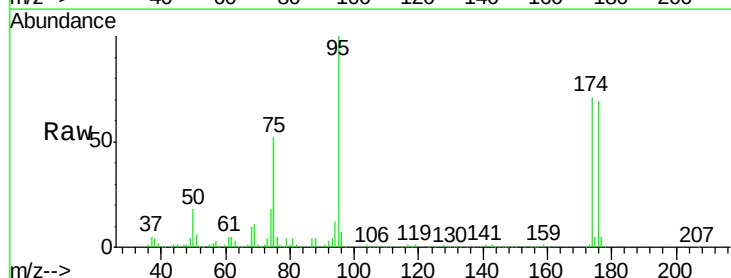
Instrument :
 MSVOA_N
 ClientSampleId :

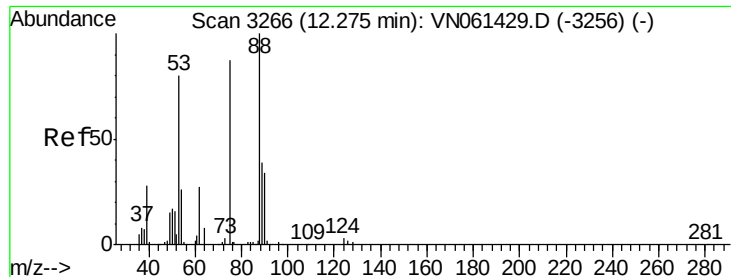
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.9	92.5
150	158.8	0.0	349.2



#76
 1,2,3-Trichloropropane
 Concen: 28.159 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN061492.D
 Acq: 19 May 2020 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.8	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 74.699 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061492.D

Acq: 19 May 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

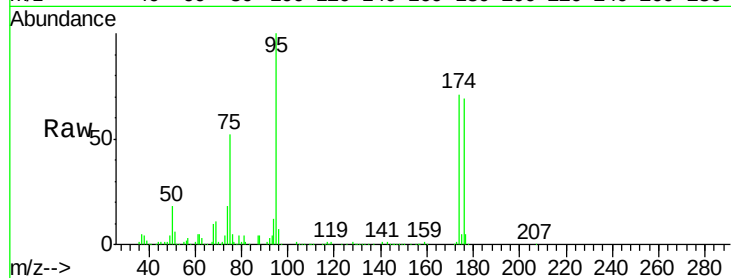
Tot Ion: 75 Resp: 123004

Ion Ratio Lower Upper

75 100

53 0.1 75.2 112.8#

89 0.0 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

