

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061445.D
 Acq On : 18 May 2020 19:24
 Operator : JC/MD
 Sample : PB128920TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 03:32:19 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

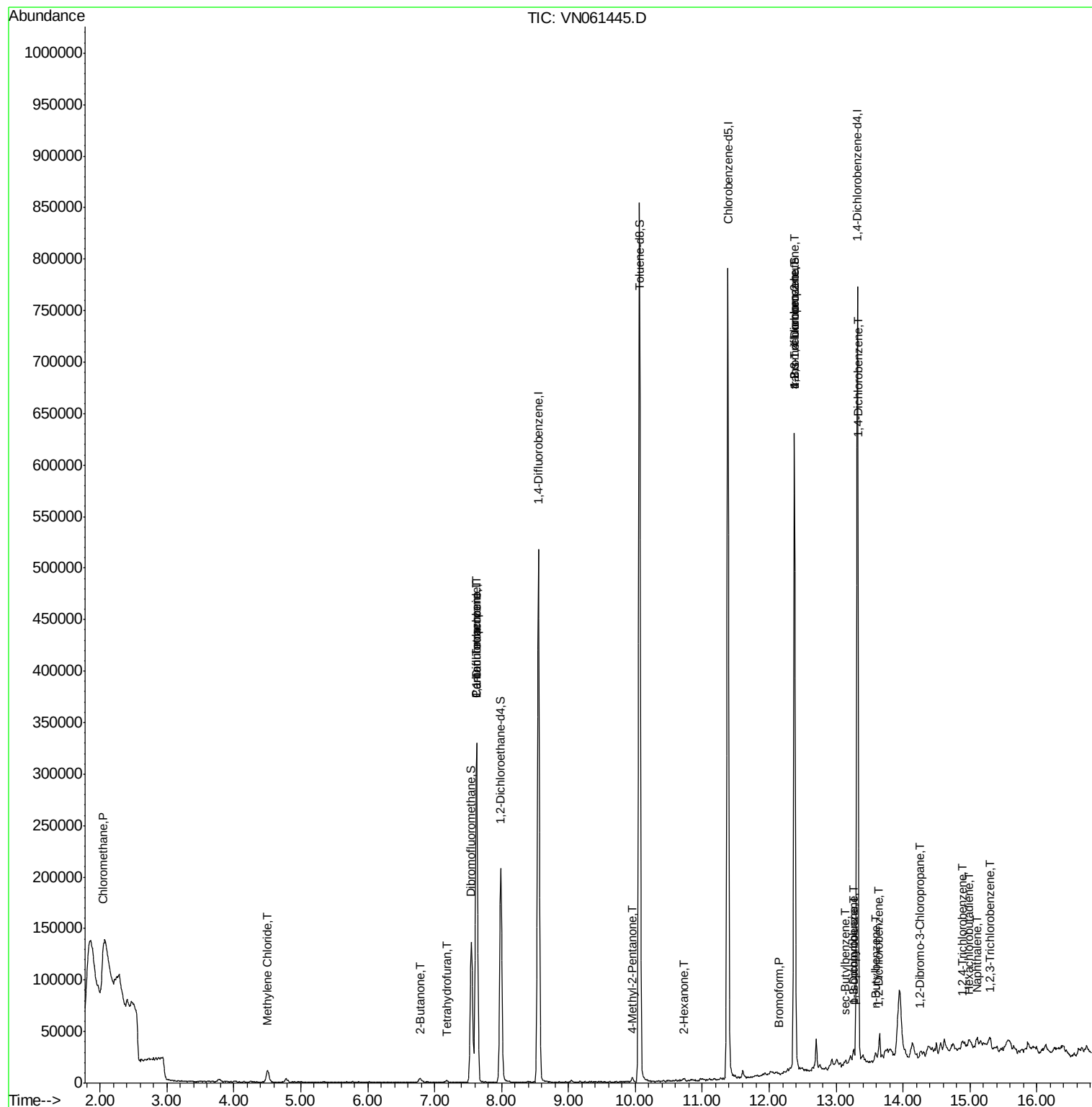
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	253237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	461831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	182672	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
35) Dibromofluoromethane	7.55	113	105433	43.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.16%	
50) Toluene-d8	10.06	98	587664	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.38	95	221029	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1285	0.374	ug/l #	76
5) Bromomethane	2.52	94	275	Below Cal	#	43
13) Acrolein	3.57	56	69	Below Cal	#	1
16) Acetone	3.79	43	5313	Below Cal	#	88
17) Carbon Disulfide	4.00	76	1105	Below Cal	#	75
18) Methyl Acetate	4.28	43	340	Below Cal	#	49
20) Methylene Chloride	4.50	84	8815	2.838	ug/l	92
25) 2-Butanone	6.79	43	1374	0.798	ug/l	99
29) Tetrahydrofuran	7.18	42	987	0.866	ug/l #	47
31) Cyclohexane	7.63	56	6294	Below Cal	#	26
36) 1,1-Dichloropropene	7.63	75	21586	4.999	ug/l #	50
38) Carbon Tetrachloride	7.63	117	27411	6.894	ug/l #	15
49) 1,4-Dioxane	9.17	88	357	Below Cal	#	84
51) 4-Methyl-2-Pentanone	9.95	43	2402	0.646	ug/l	99
59) 2-Hexanone	10.73	43	1231	0.457	ug/l	99
71) Bromoform	12.15	173	63	2.044	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	118013	28.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118013	76.040	ug/l #	12
85) sec-Butylbenzene	13.14	105	3638	0.249	ug/l	85
86) p-Isopropyltoluene	13.26	119	2906	0.224	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	1464	0.239	ug/l #	73
88) 1,4-Dichlorobenzene	13.34	146	1844	0.301	ug/l #	57
89) n-Butylbenzene	13.59	91	4140	0.351	ug/l	90
91) 1,2-Dichlorobenzene	13.62	146	1606	0.274	ug/l	82
92) 1,2-Dibromo-3-Chloropropan	14.25	75	283	0.331	ug/l	88
93) 1,2,4-Trichlorobenzene	14.88	180	1949	0.613	ug/l	87
94) Hexachlorobutadiene	14.99	225	886	0.627	ug/l	90
95) Naphthalene	15.11	128	8198	0.810	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.28	180	1893	0.598	ug/l	93

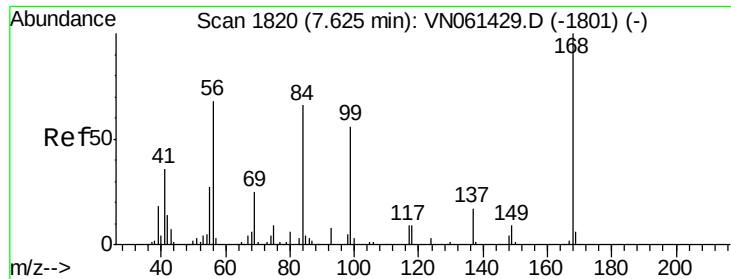
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051820\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
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: VN061445.D

Acq: 18 May 2020 19:24

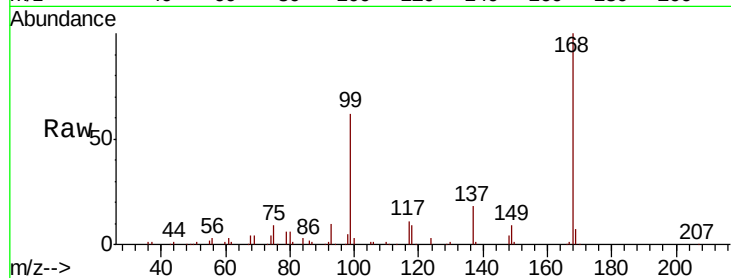
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 253237

Ion Ratio Lower Upper

168 100

99 62.3 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

60000

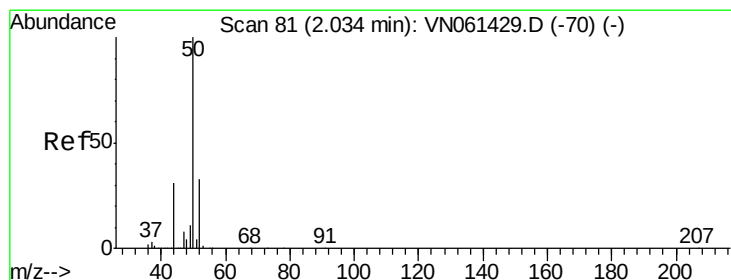
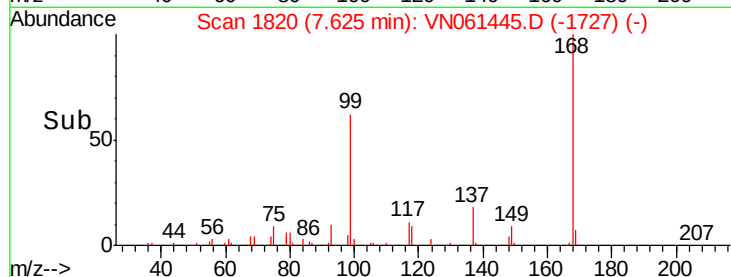
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.374 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061445.D

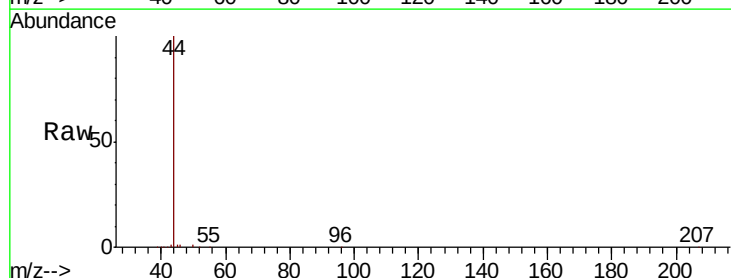
Acq: 18 May 2020 19:24

Tgt Ion: 50 Resp: 1285

Ion Ratio Lower Upper

50 100

52 19.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

800

600

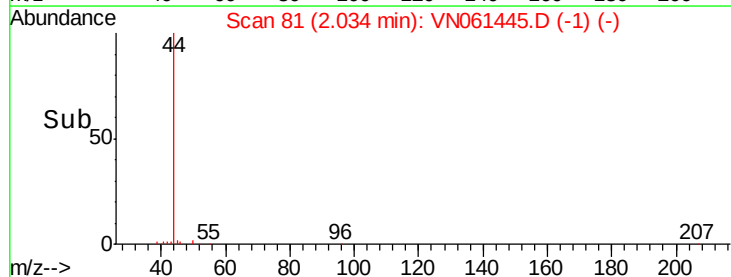
400

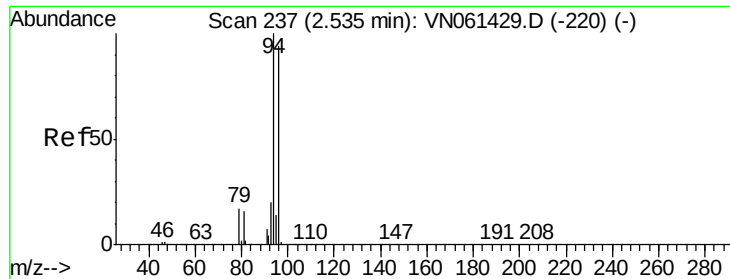
200

0

Time-->

2.00 2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

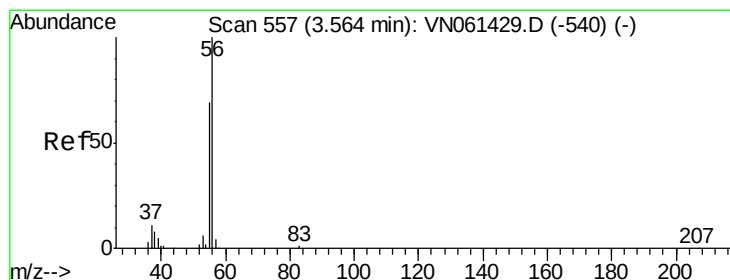
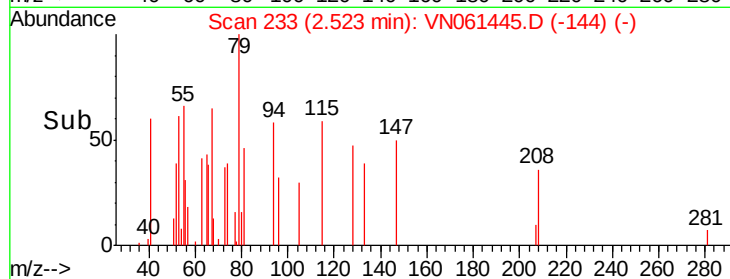
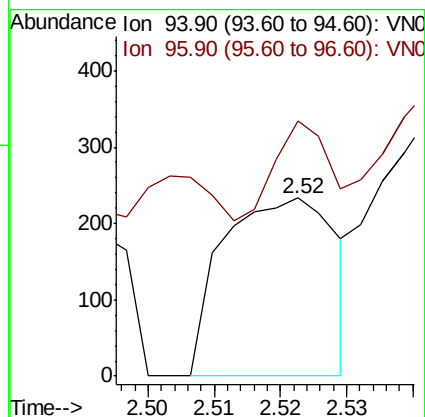
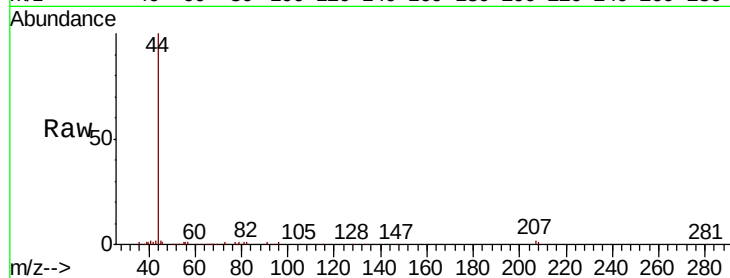
ClientSampled :

Tot Ion: 94 Resp: 275

Ion Ratio Lower Upper

94 100

96 38.6 74.9 112.3#



#13

Acrolein

Concen: Below Cal

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061445.D

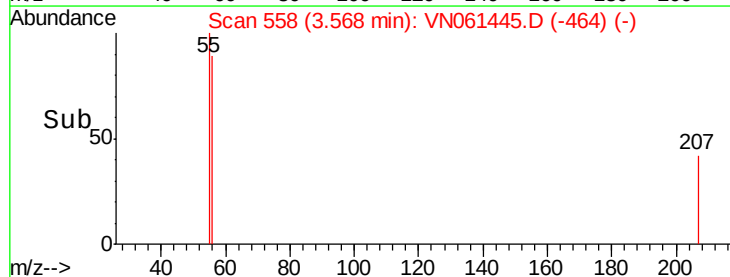
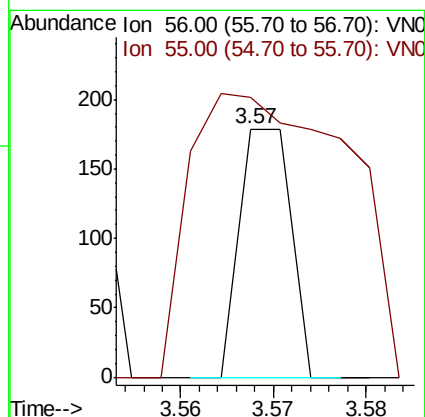
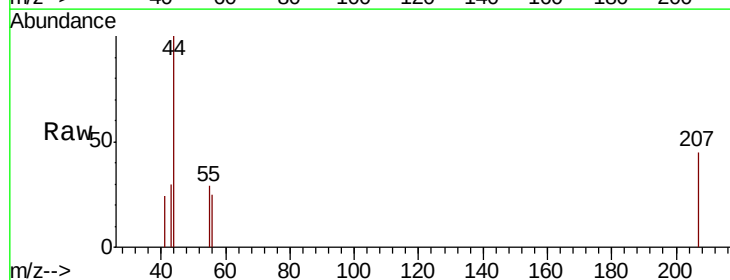
Acq: 18 May 2020 19:24

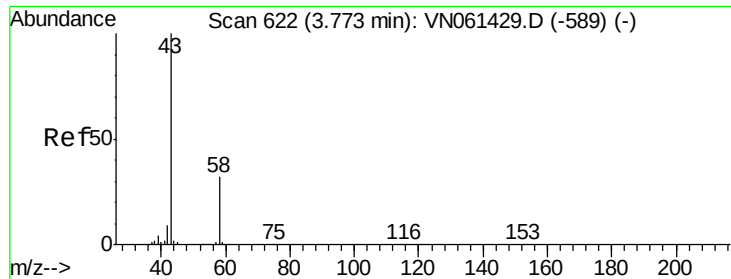
Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 350.7 54.8 82.2#

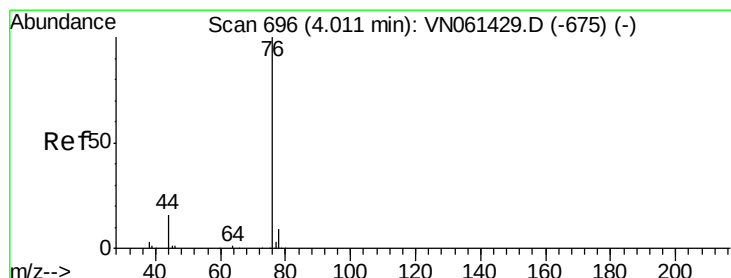
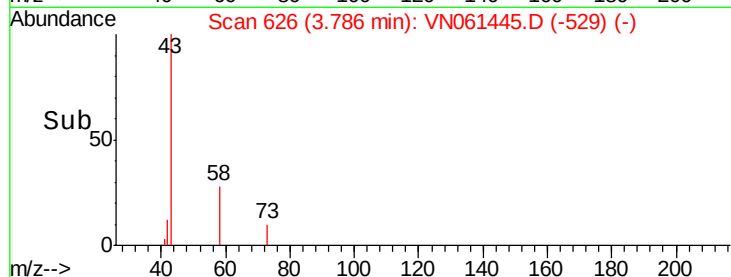
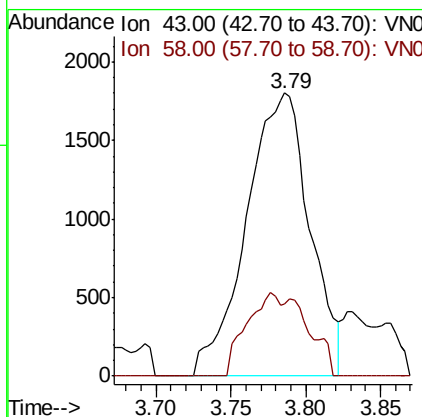
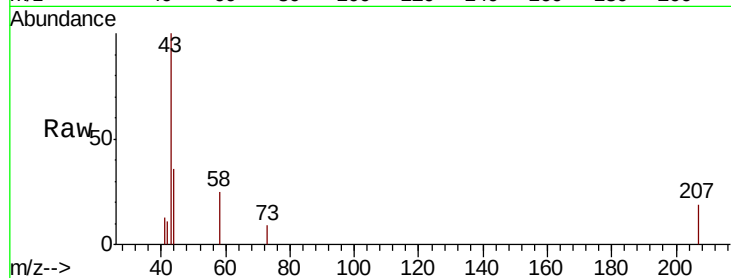




#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061445.D
Acq: 18 May 2020 19:24

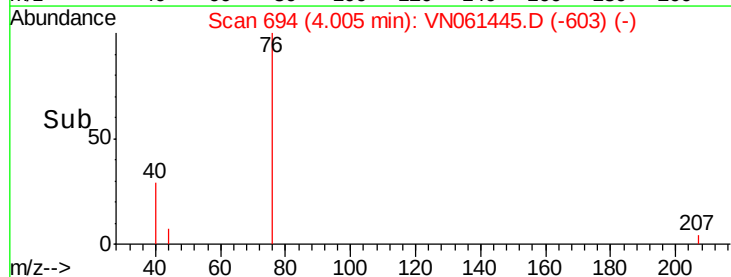
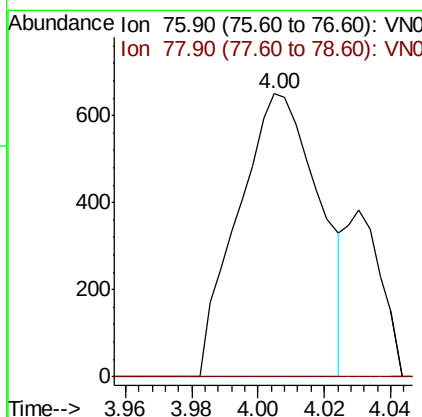
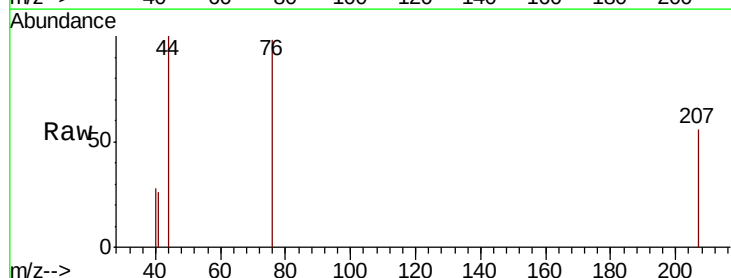
Instrument :
MSVOA_N
ClientSampled :

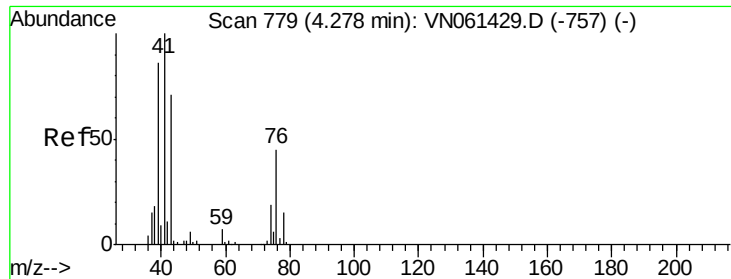
Tot Ion: 43 Resp: 5313
Ion Ratio Lower Upper
43 100
58 25.5 25.6 38.4#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 694
Delta R.T. -0.01 min
Lab File: VN061445.D
Acq: 18 May 2020 19:24

Tgt Ion: 76 Resp: 1105
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

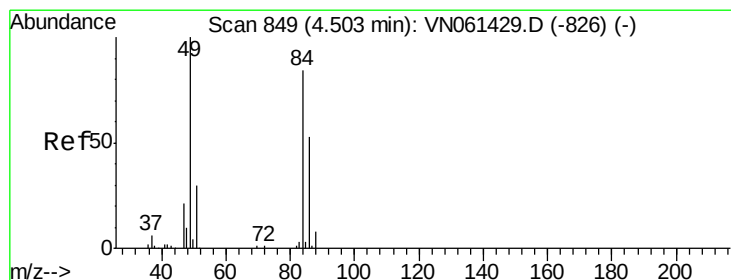
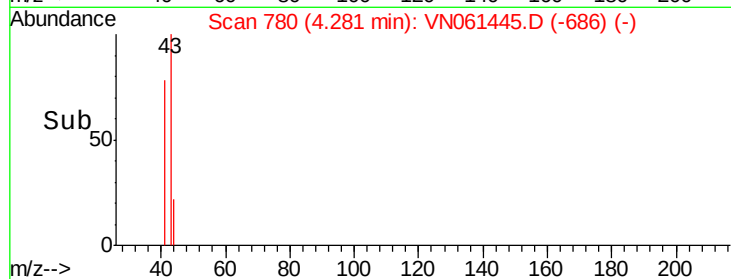
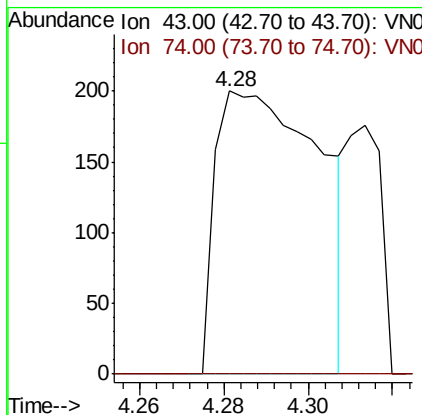
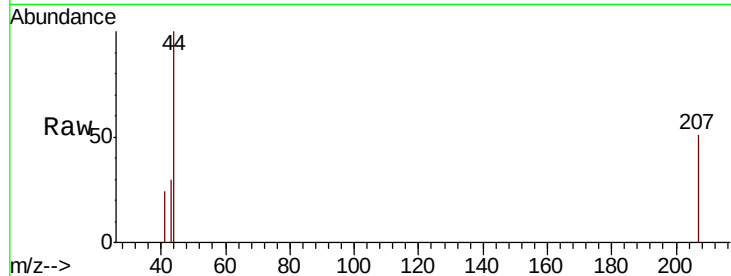




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN061445.D
Acq: 18 May 2020 19:24

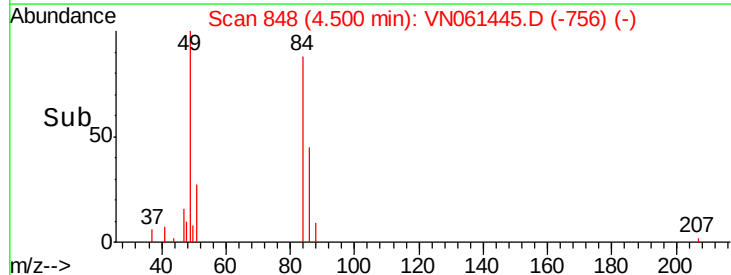
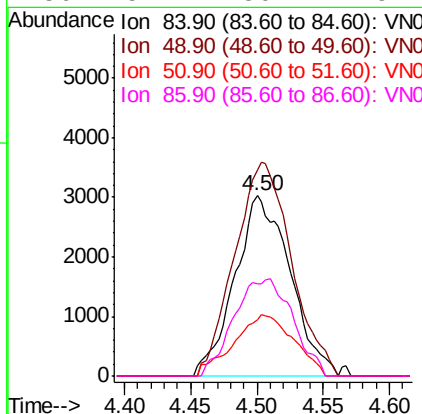
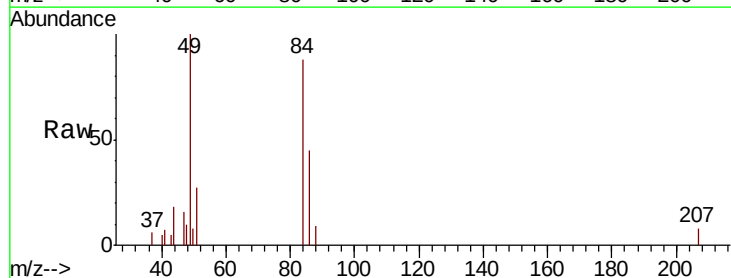
Instrument :
MSVOA_N
ClientSampleId :

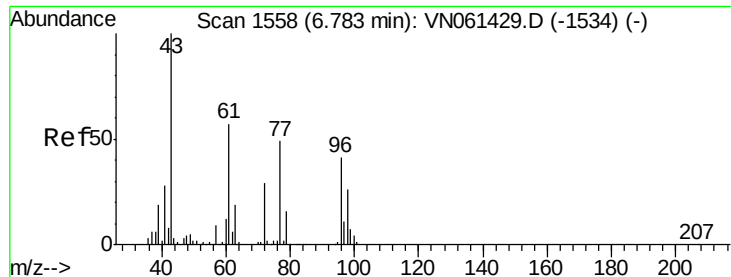
Tot Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#20
Methylene Chloride
Concen: 2.838 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061445.D
Acq: 18 May 2020 19:24

Tgt Ion: 84 Resp: 8815
Ion Ratio Lower Upper
84 100
49 114.2 95.3 142.9
51 31.1 29.0 43.6
86 51.1 50.2 75.2





#25

2-Butanone

Concen: 0.798 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

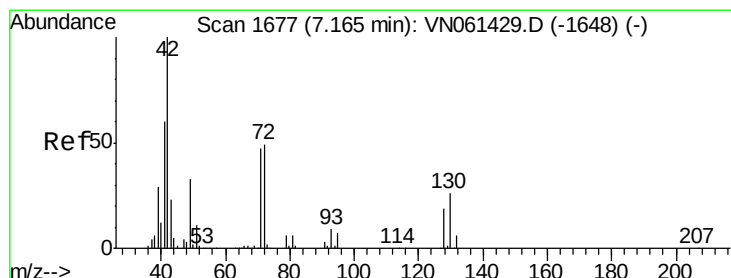
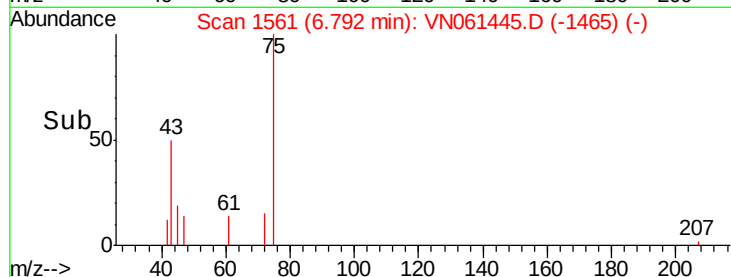
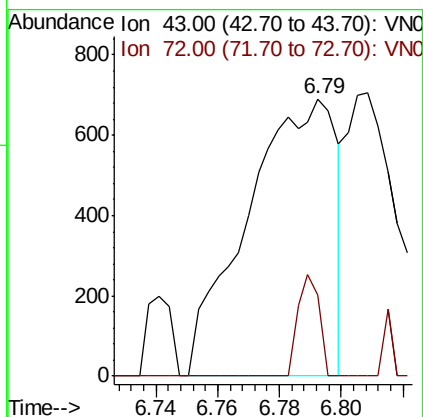
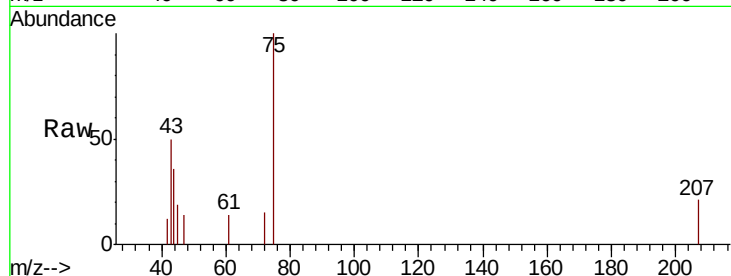
ClientSampled :

Tot Ion: 43 Resp: 1374

Ion Ratio Lower Upper

43 100

72 29.3 23.0 34.6



#29

Tetrahydrofuran

Concen: 0.866 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

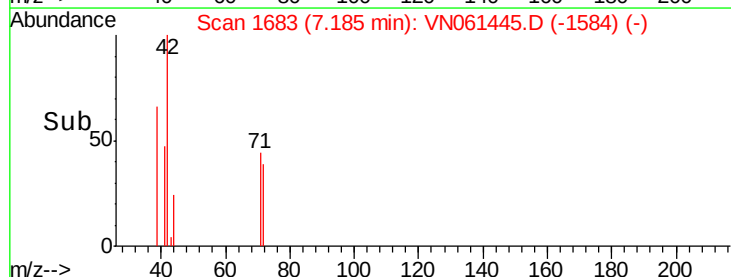
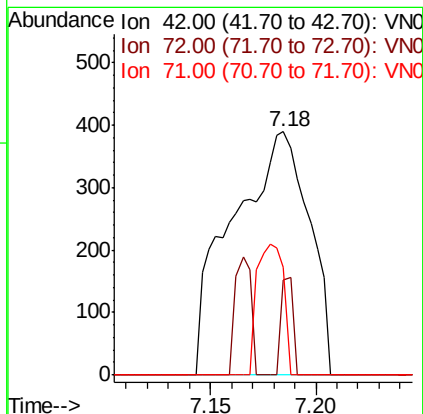
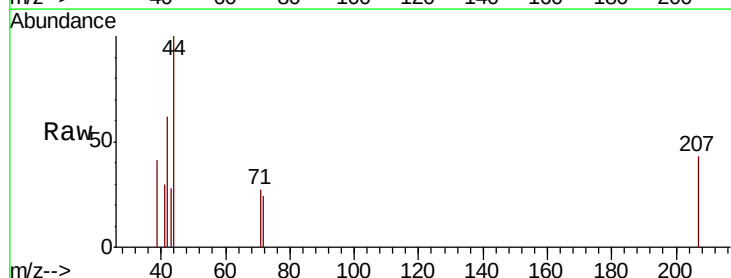
Tgt Ion: 42 Resp: 987

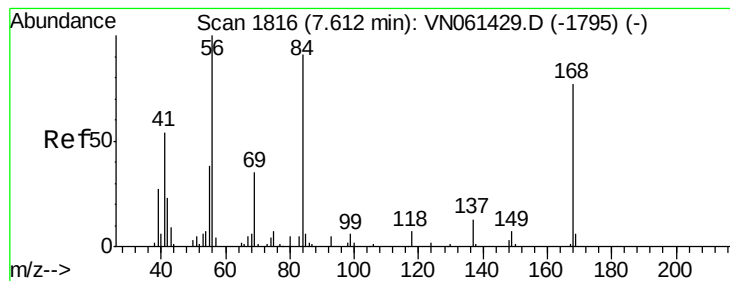
Ion Ratio Lower Upper

42 100

72 6.0 39.0 58.6#

71 18.5 36.9 55.3#





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

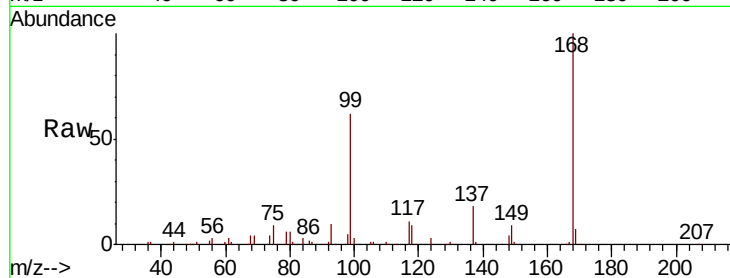
Lab File: VN061445.D

Acq: 18 May 2020 19:24

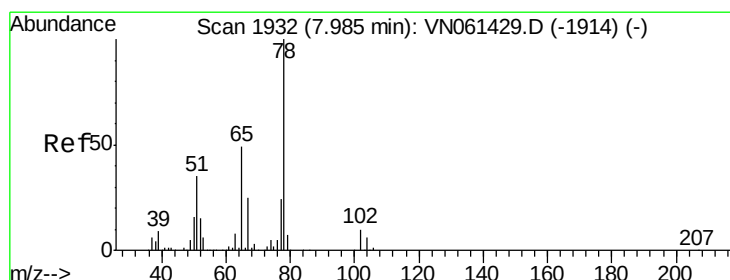
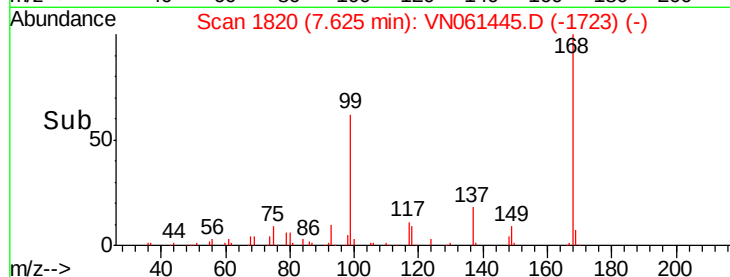
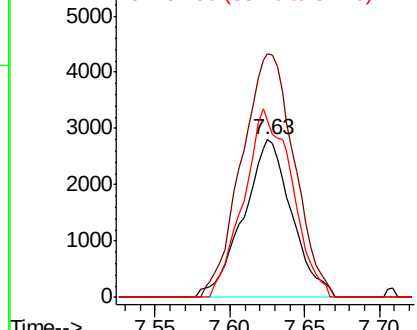
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 6294

Ion	Ratio	Lower	Upper
56	100		
69	154.8	27.8	41.6#
84	112.9	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: 48.333 ug/l

RT: 7.99 min Scan# 1933

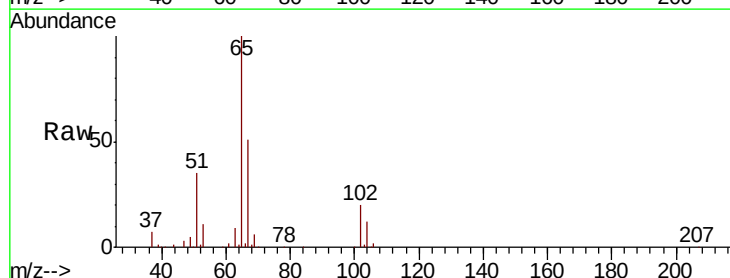
Delta R.T. 0.00 min

Lab File: VN061445.D

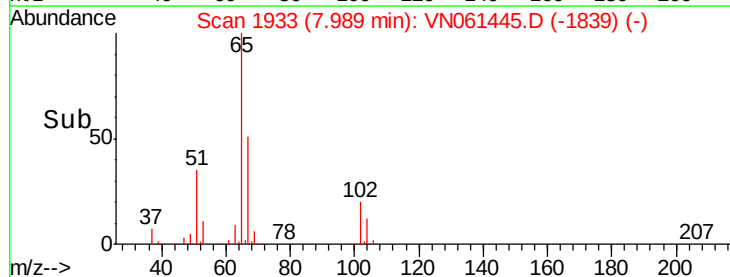
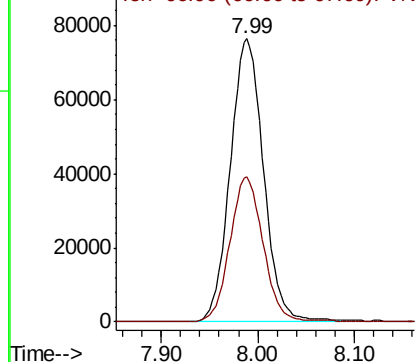
Acq: 18 May 2020 19:24

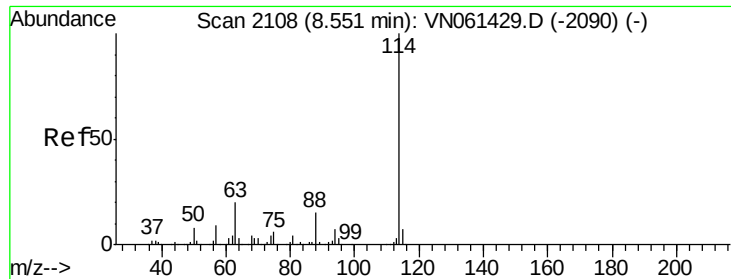
Tgt Ion: 65 Resp: 182672

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.4



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

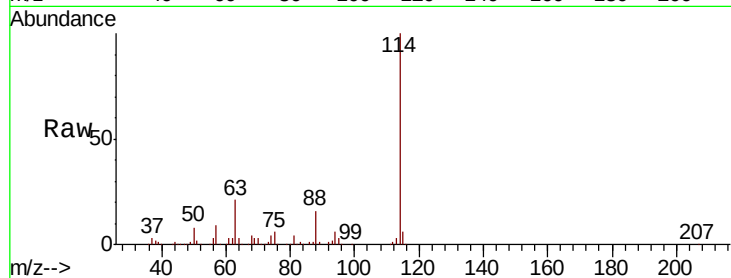




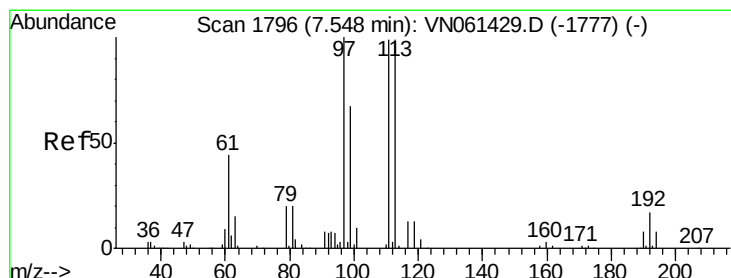
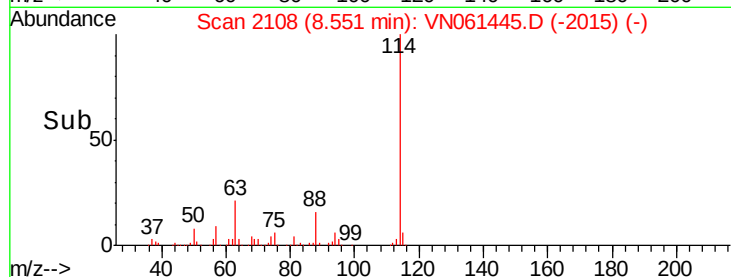
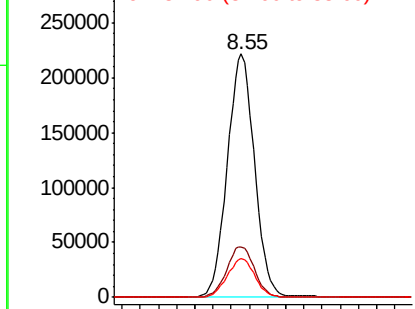
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	16.1	0.0	30.8

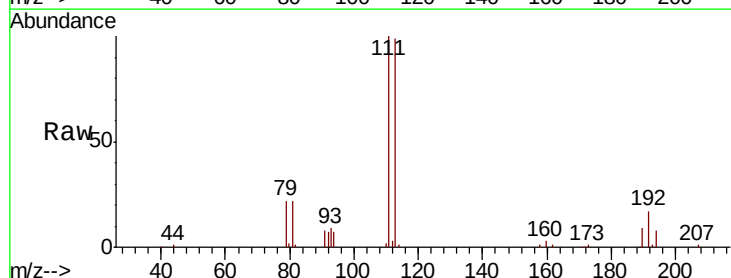


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

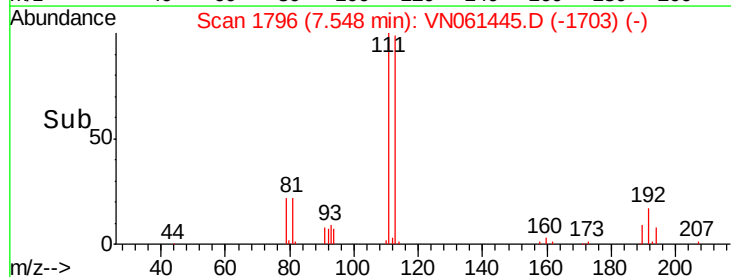
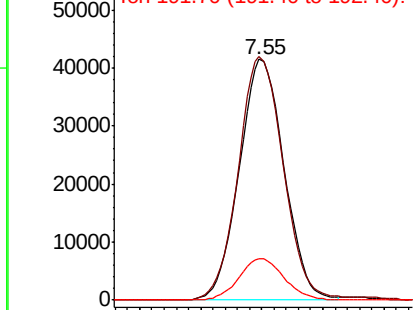


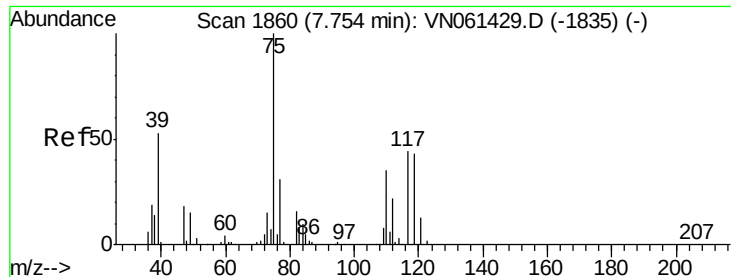
#35
 Dibromofluoromethane
 Concen: 43.578 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	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

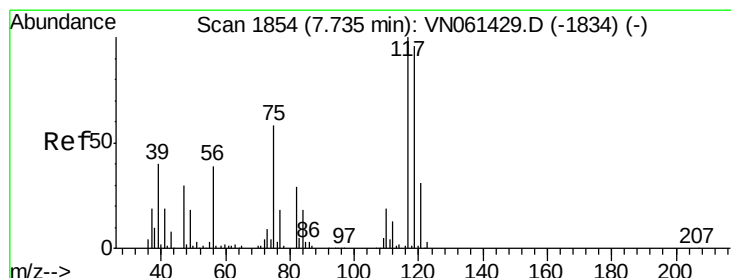
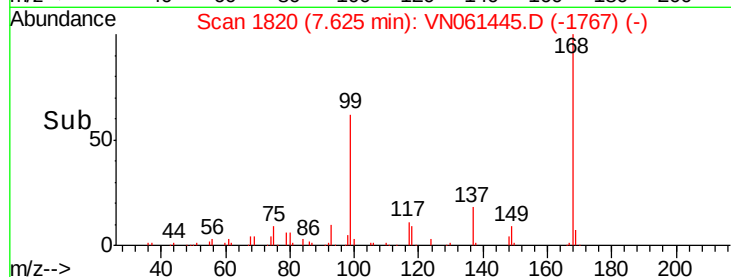
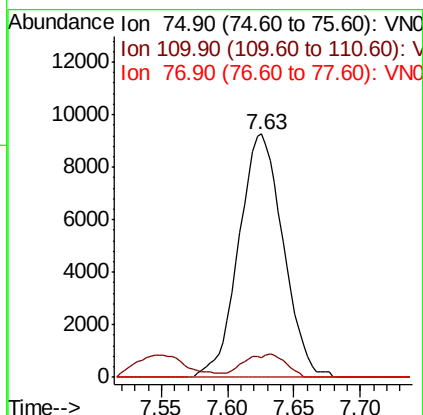
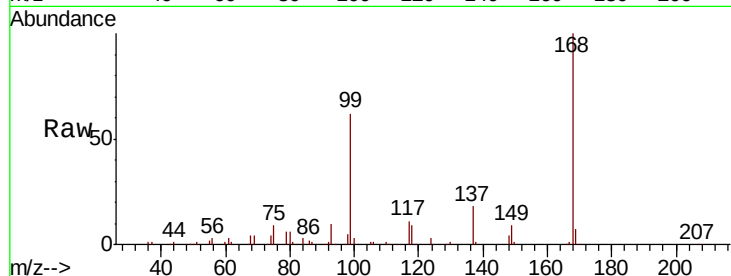




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

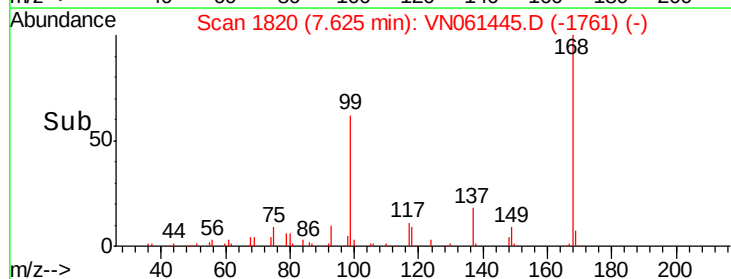
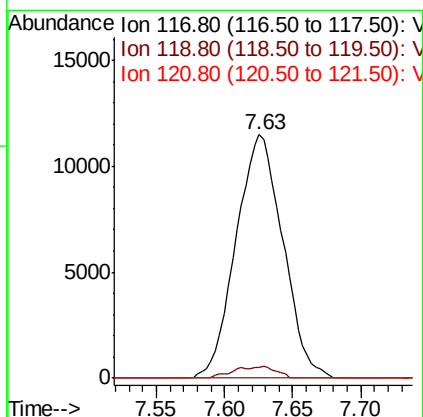
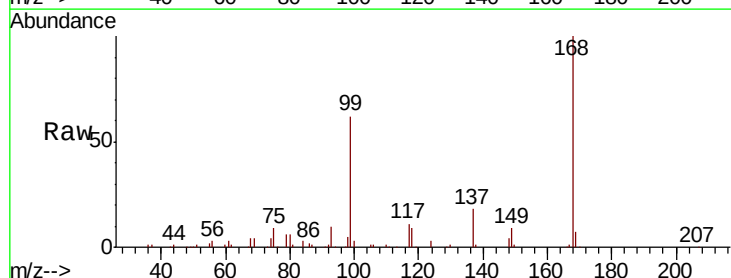
Instrument :
 MSVOA_N
 ClientSampleId :

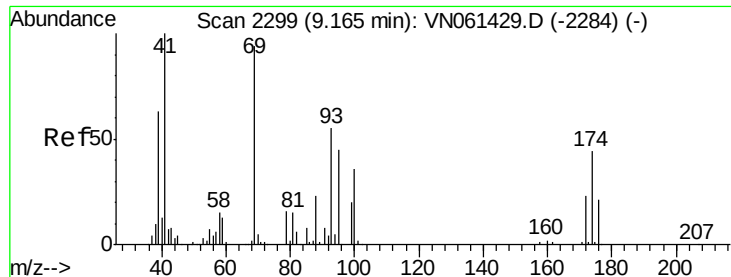
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.894 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.0	115.6#
121	0.0	24.7	37.1#

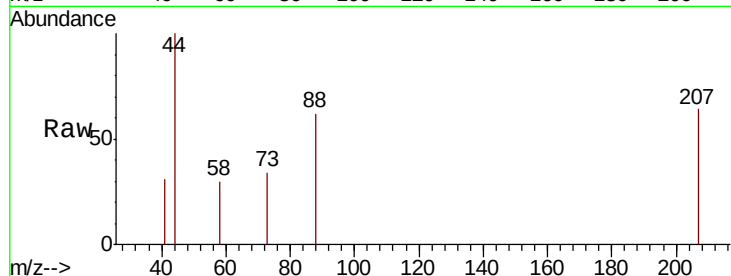




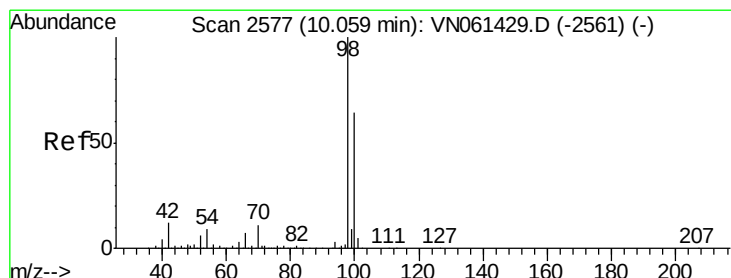
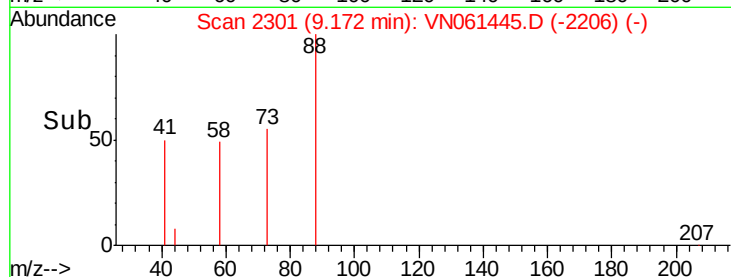
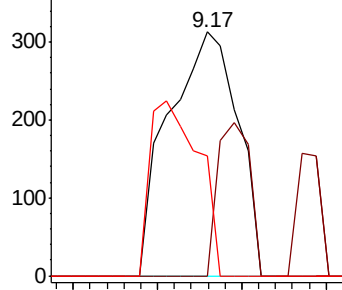
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.17 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VN061445.D
Acq: 18 May 2020 19:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 357
Ion Ratio Lower Upper
88 100
43 29.1 26.3 39.5
58 51.0 54.1 81.1#

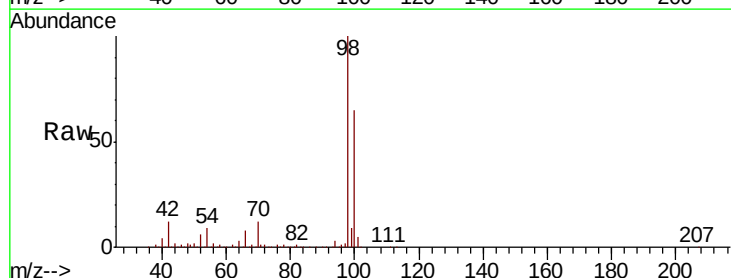


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

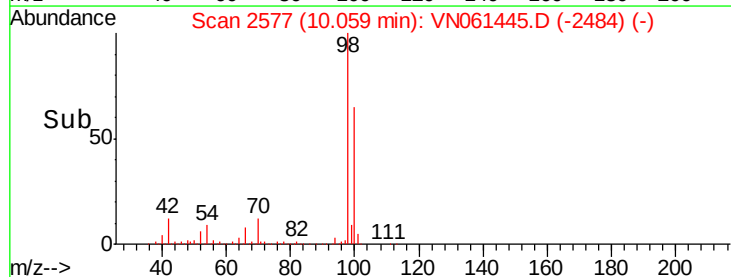
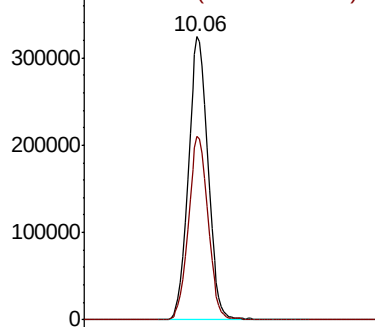


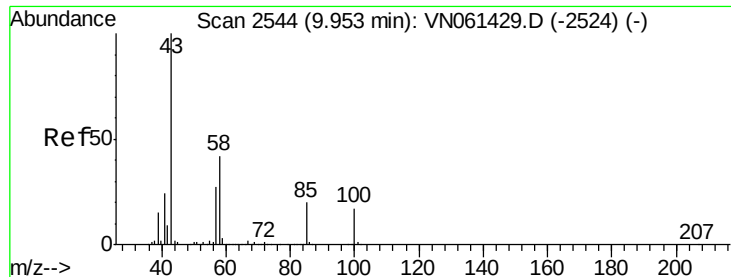
#50
Toluene-d8
Concen: 52.368 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061445.D
Acq: 18 May 2020 19:24

Tgt Ion: 98 Resp: 587664
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

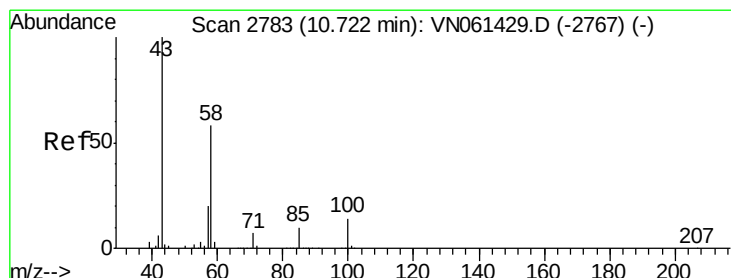
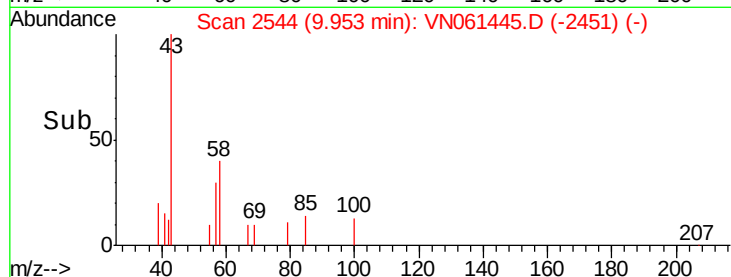
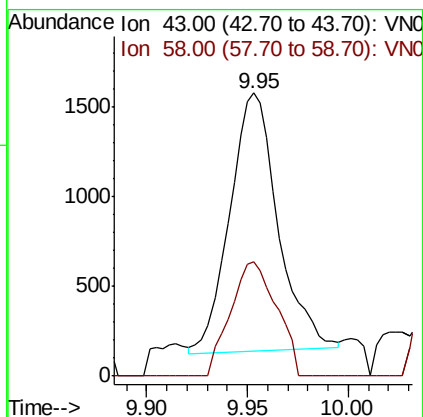
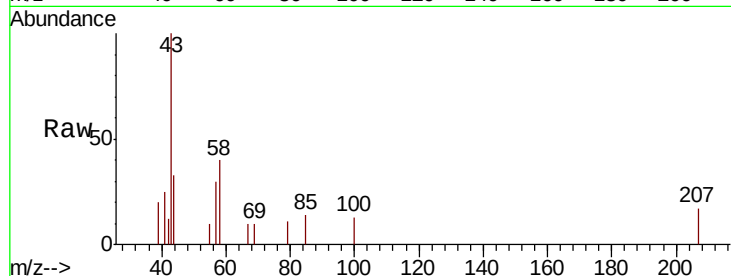




#51
 4-Methyl-2-Pentanone
 Concen: 0.646 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

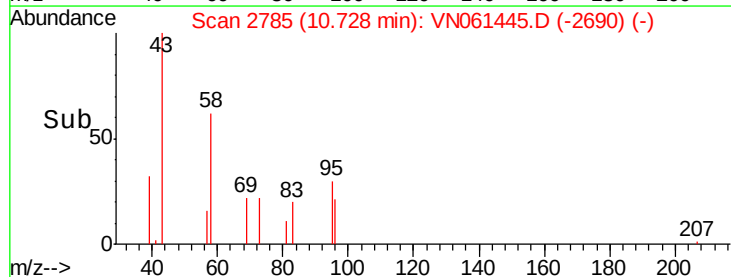
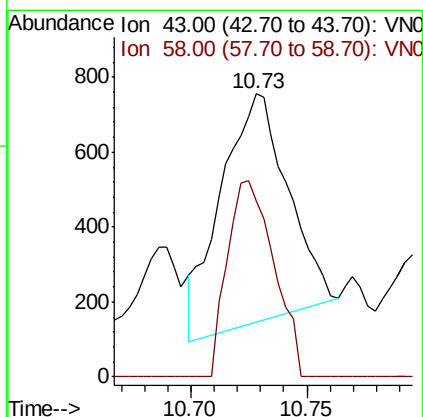
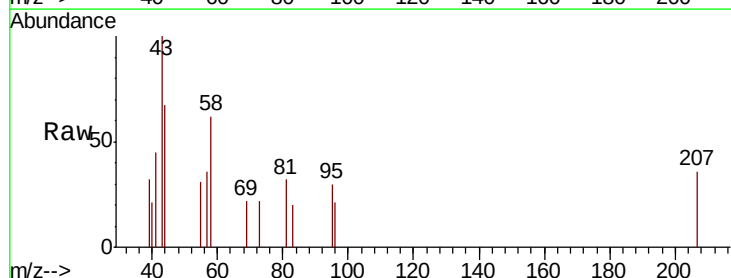
Instrument :
 MSVOA_N
 ClientSampled :

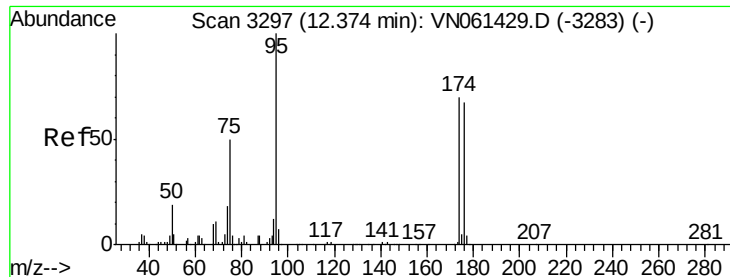
Tot Ion: 43 Resp: 2402
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.4 50.2



#59
 2-Hexanone
 Concen: 0.457 ug/l
 RT: 10.73 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

Tgt Ion: 43 Resp: 1231
 Ion Ratio Lower Upper
 43 100
 58 59.2 29.2 87.6





#62

4-Bromofluorobenzene

Concen: 52.720 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

ClientSampleId :

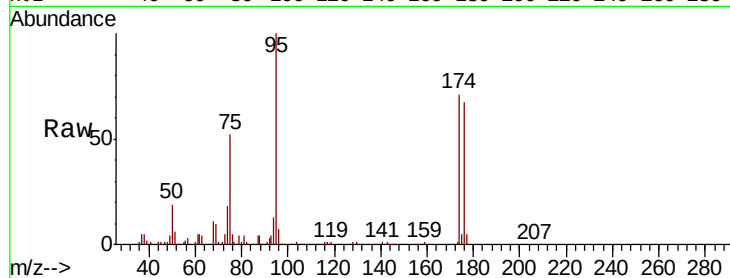
Tot Ion: 95 Resp: 221029

Ion Ratio Lower Upper

95 100

174 70.2 0.0 141.2

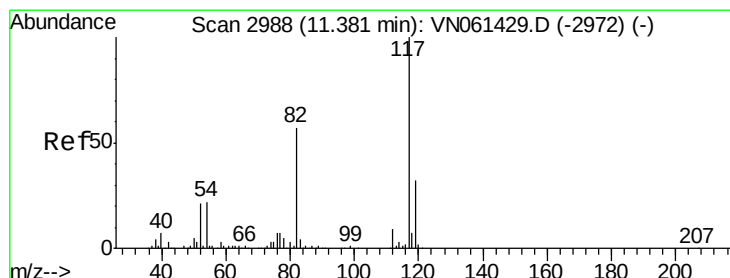
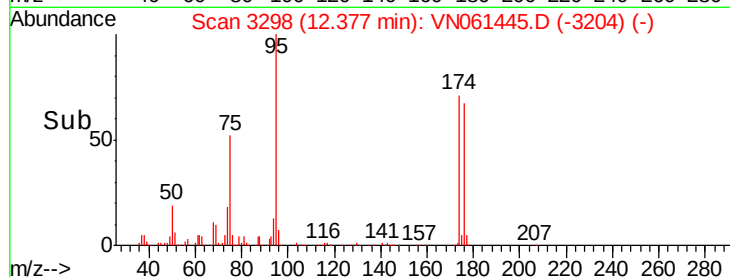
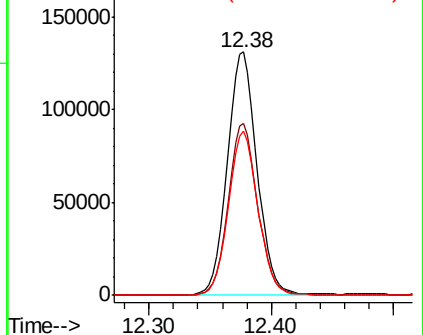
176 67.6 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

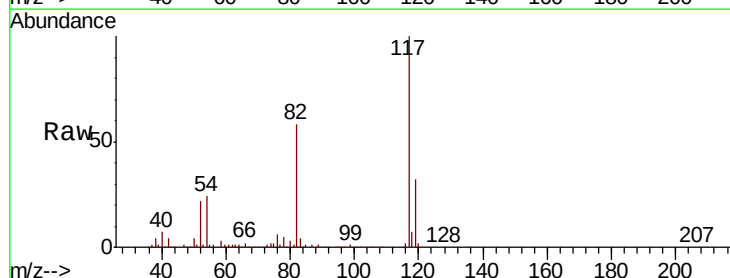
Tgt Ion: 117 Resp: 445332

Ion Ratio Lower Upper

117 100

82 57.8 45.2 67.8

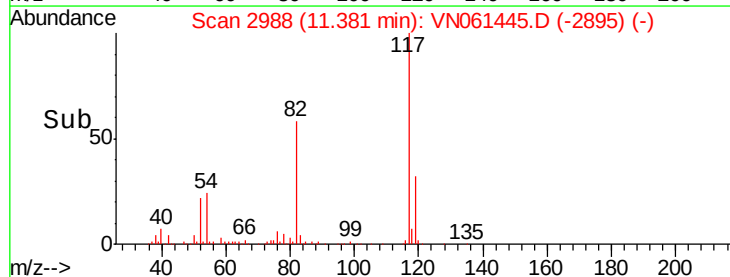
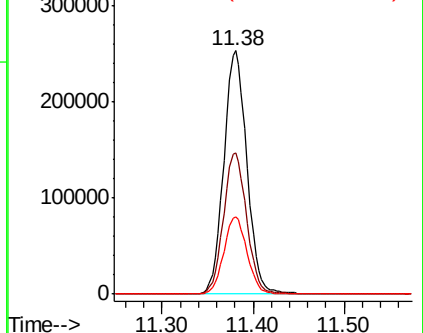
119 32.0 25.3 37.9

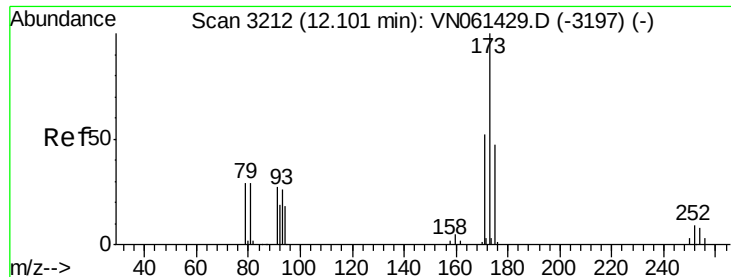


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 2.044 ug/l

RT: 12.15 min Scan# 3227

Delta R.T. 0.05 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

ClientSampleId :

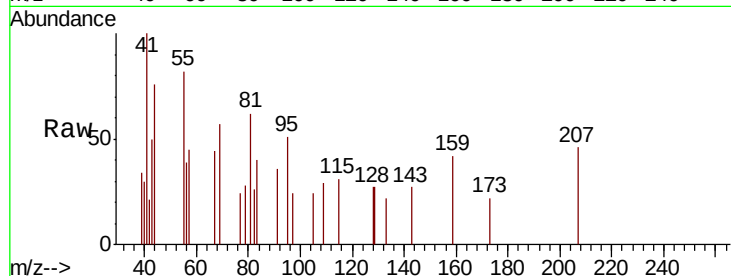
Tot Ion:173 Resp: 63

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

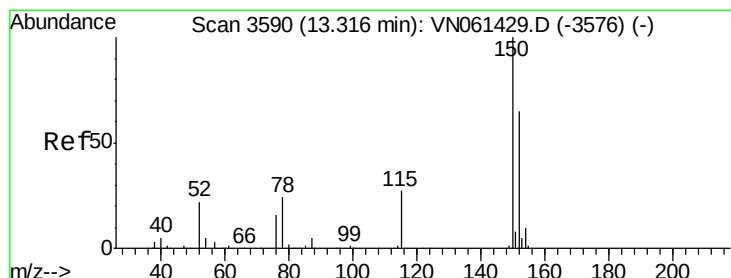
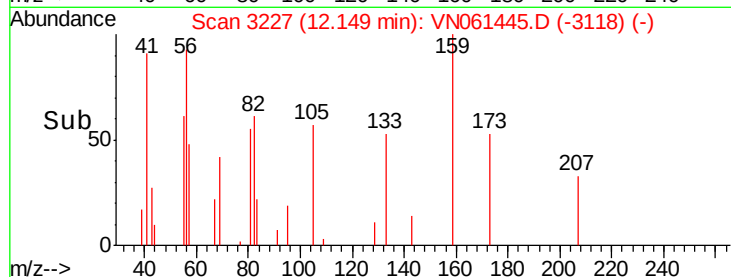
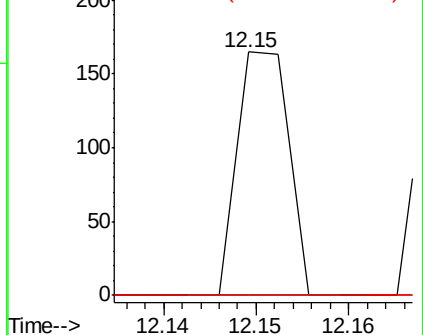
254 0.0 0.0 0.0



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: VN061445.D

Acq: 18 May 2020 19:24

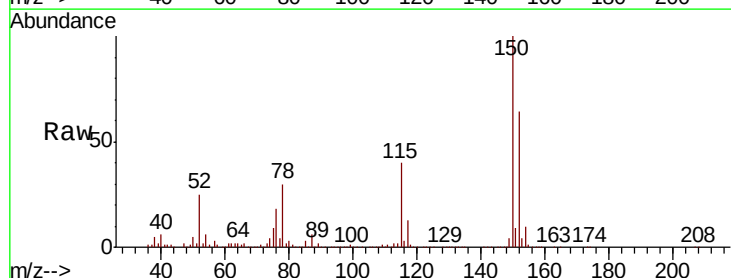
Tgt Ion:152 Resp: 191870

Ion Ratio Lower Upper

152 100

115 61.0 30.9 92.5

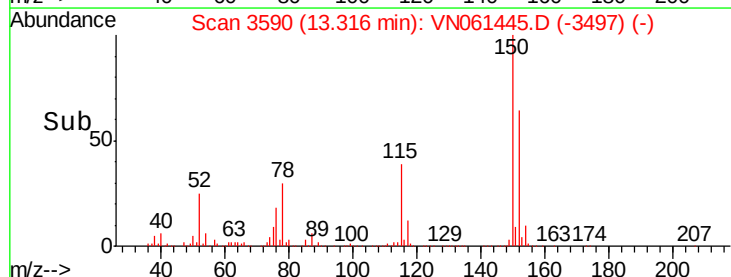
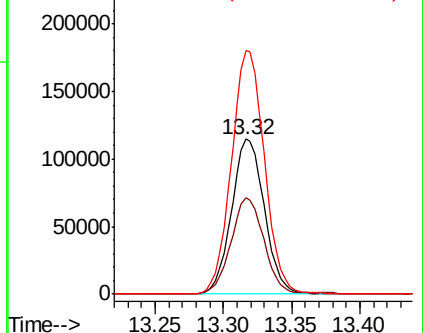
150 157.9 0.0 349.2

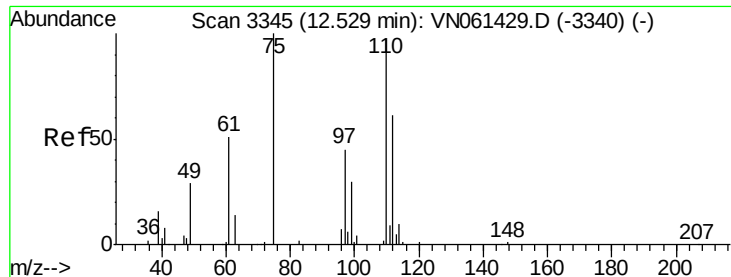


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

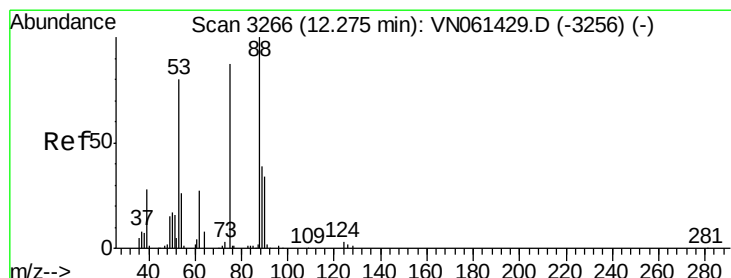
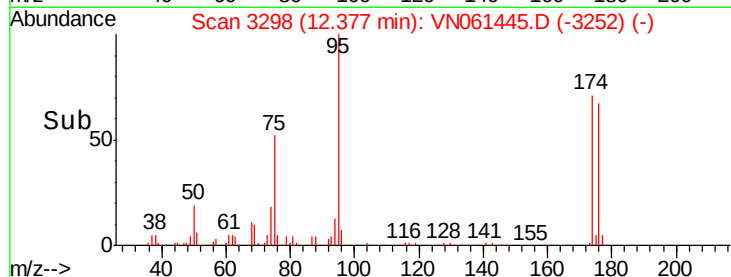
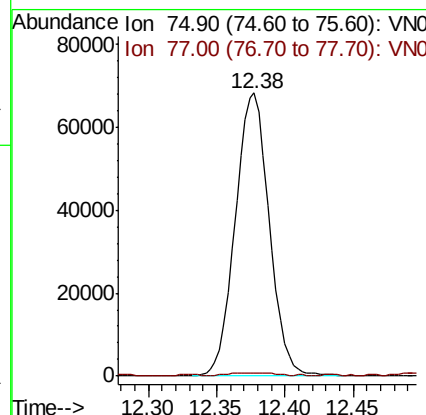
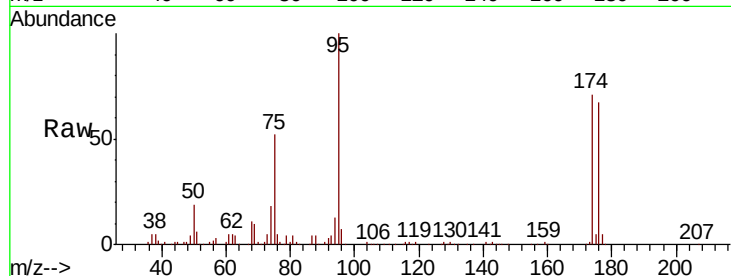




#76
 1,2,3-Trichloropropane
 Concen: 28.664 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

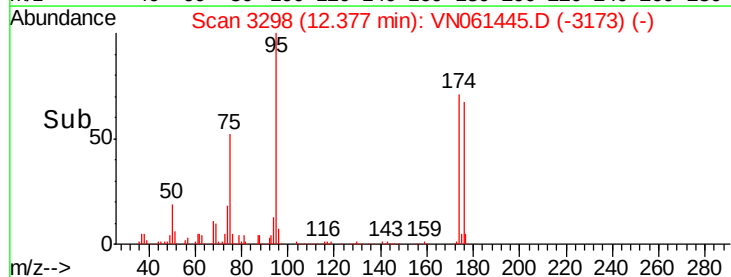
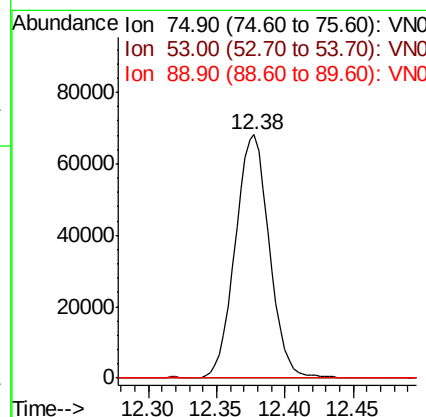
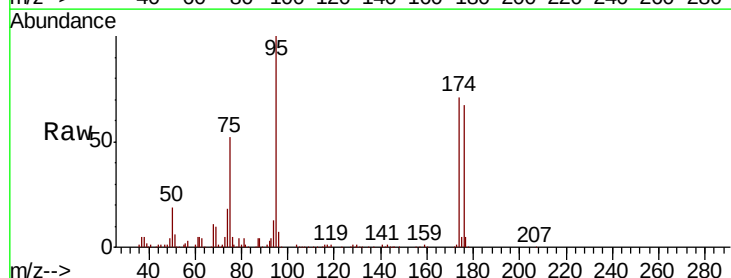
Instrument :
 MSVOA_N
 ClientSampled :

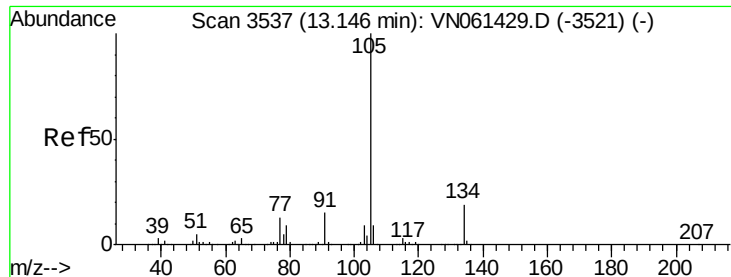
Tot Ion: 75 Resp: 118013
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.040 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

Tgt Ion: 75 Resp: 118013
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.2 112.8#
 89 0.1 38.2 57.4#





#85

sec-Butylbenzene

Concen: 0.249 ug/l

RT: 13.14 min Scan# 3536

Delta R.T. -0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

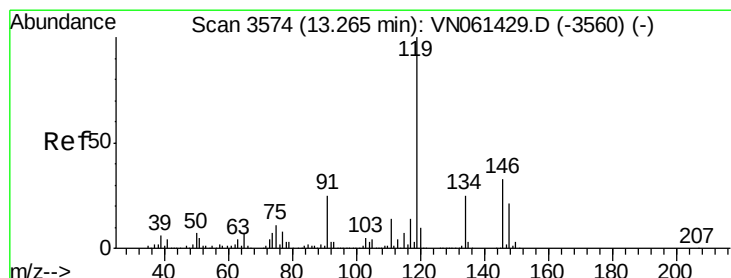
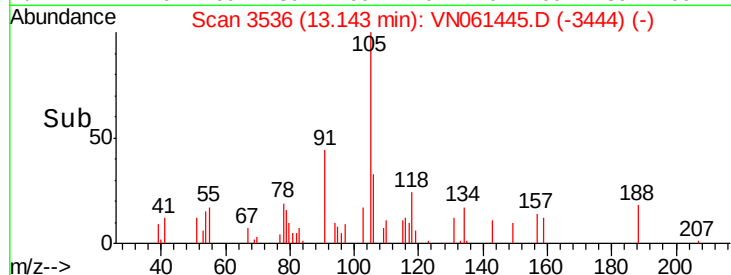
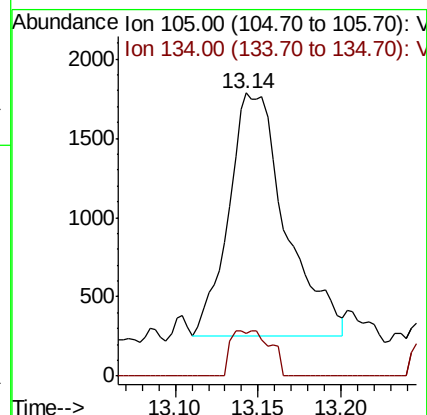
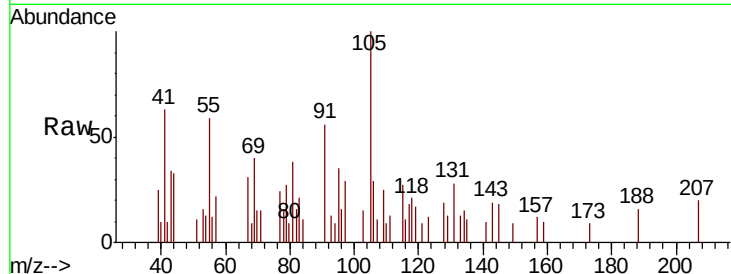
ClientSampleId :

Tot Ion:105 Resp: 3638

Ion Ratio Lower Upper

105 100

134 13.0 9.8 29.5



#86

p-Isopropyltoluene

Concen: 0.224 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.01 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

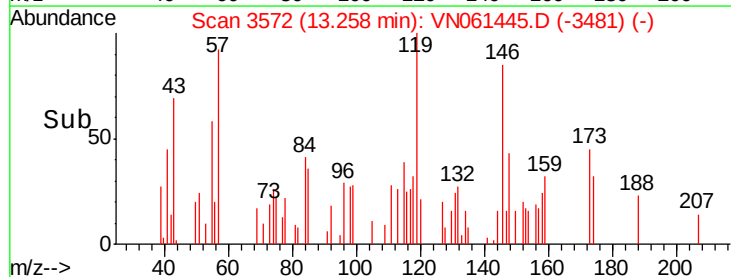
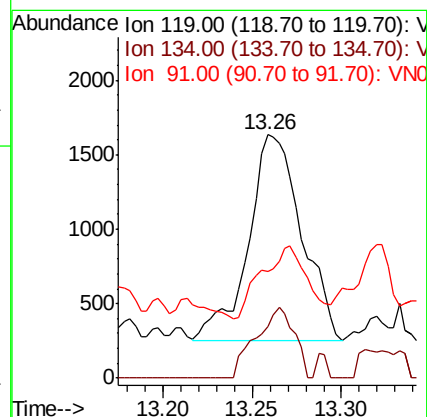
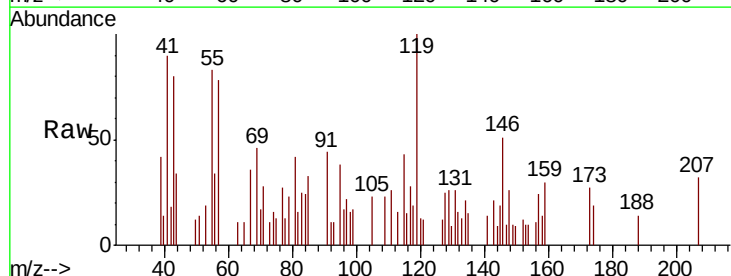
Tgt Ion:119 Resp: 2906

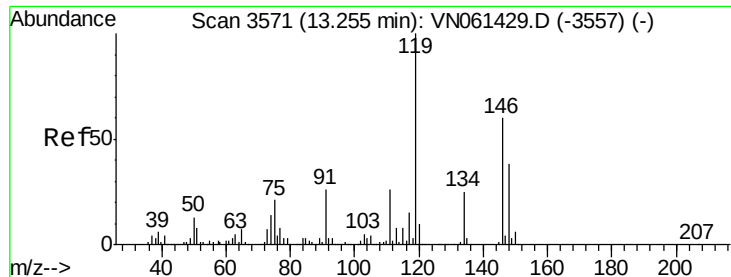
Ion Ratio Lower Upper

119 100

134 24.4 12.7 38.1

91 30.1 12.6 37.6

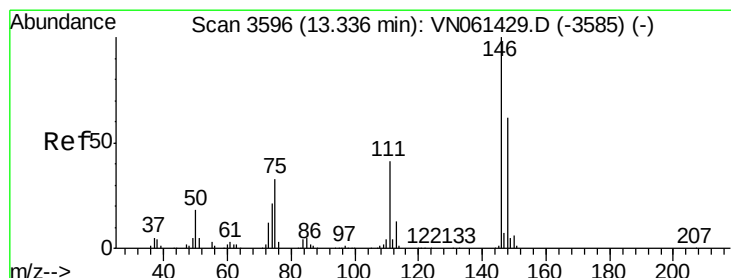
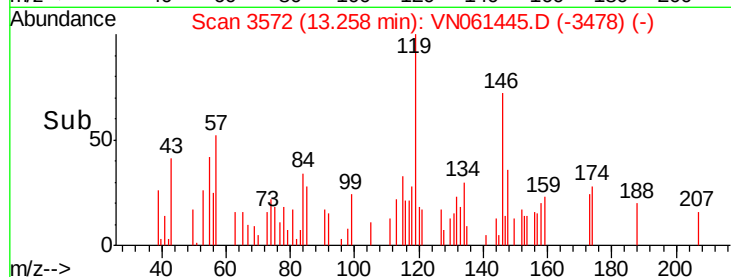
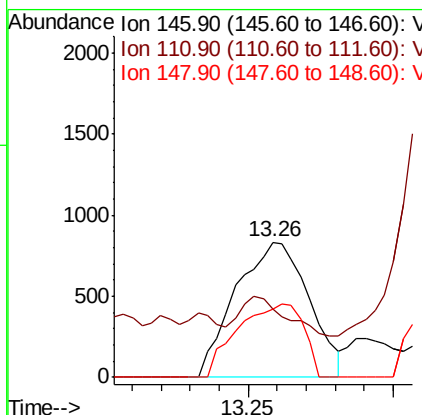
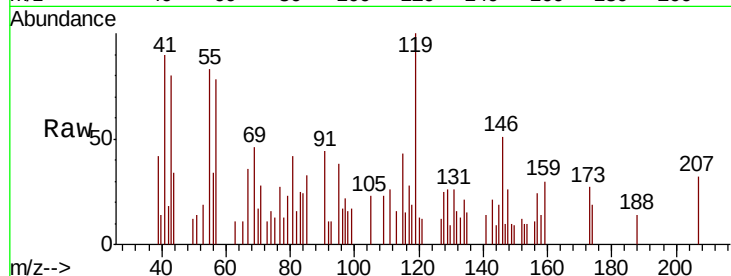




#87
 1,3-Dichlorobenzene
 Concen: 0.239 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

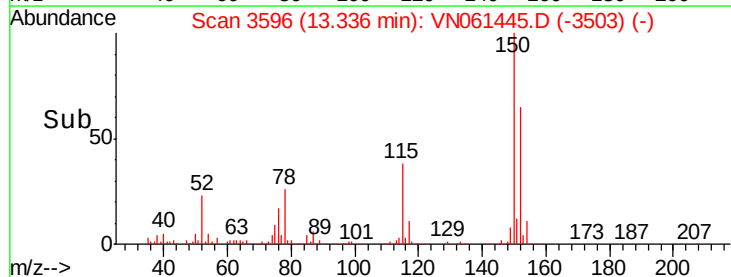
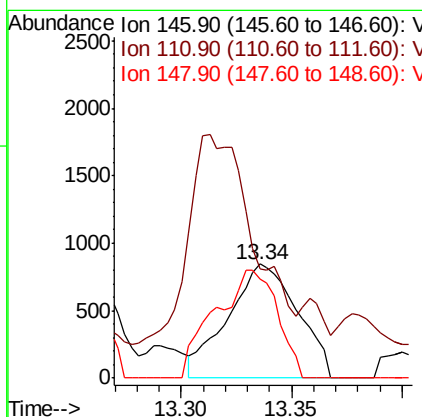
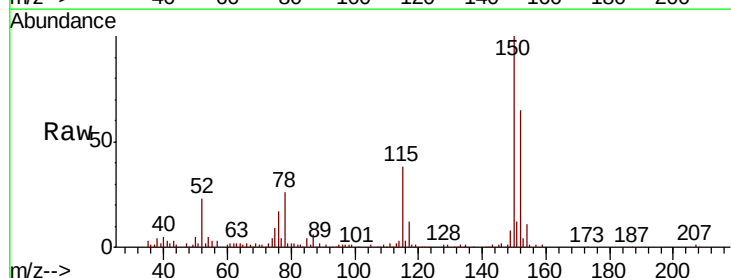
Instrument :
 MSVOA_N
 ClientSampled :

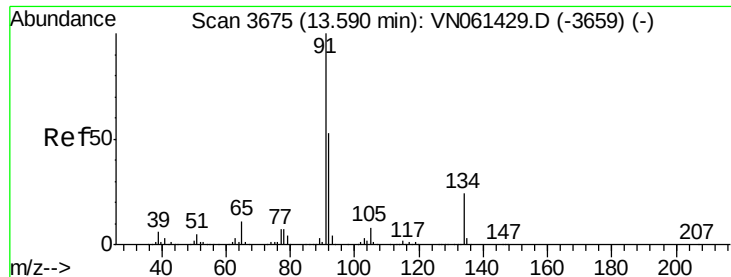
Tot Ion:146 Resp: 1464
 Ion Ratio Lower Upper
 146 100
 111 18.0 21.5 64.5#
 148 48.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 0.301 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061445.D
 Acq: 18 May 2020 19:24

Tgt Ion:146 Resp: 1844
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.5#
 148 85.1 31.6 94.8





#89

n-Butylbenzene

Concen: 0.351 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

ClientSampleId :

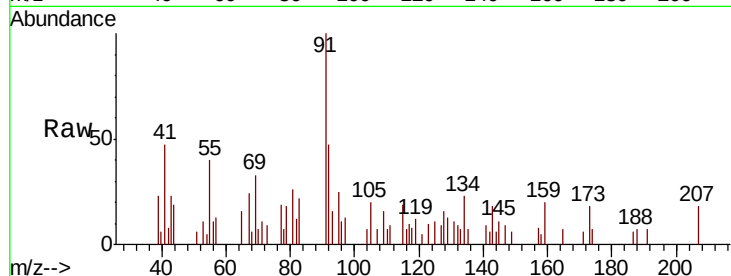
Tot Ion: 91 Resp: 4140

Ion Ratio Lower Upper

91 100

92 61.2 26.8 80.3

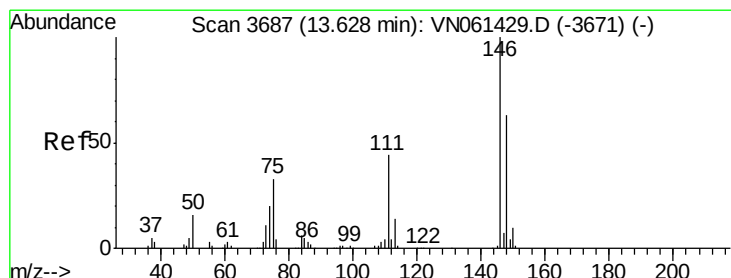
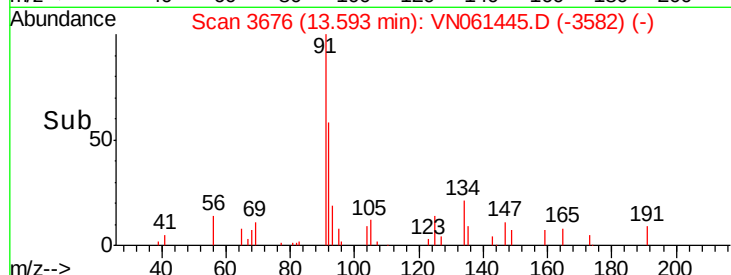
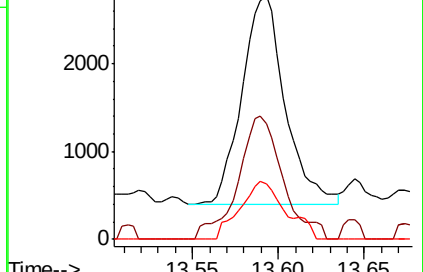
134 29.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)



#91

1,2-Dichlorobenzene

Concen: 0.274 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

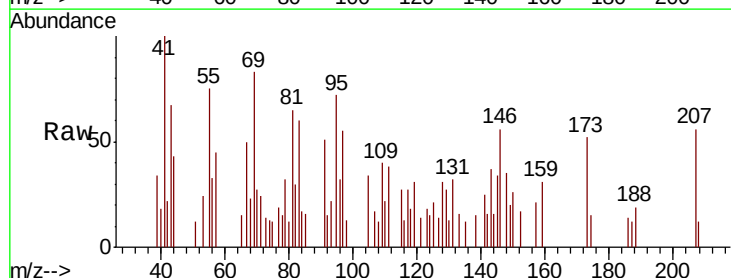
Tgt Ion: 146 Resp: 1606

Ion Ratio Lower Upper

146 100

111 37.8 21.9 65.7

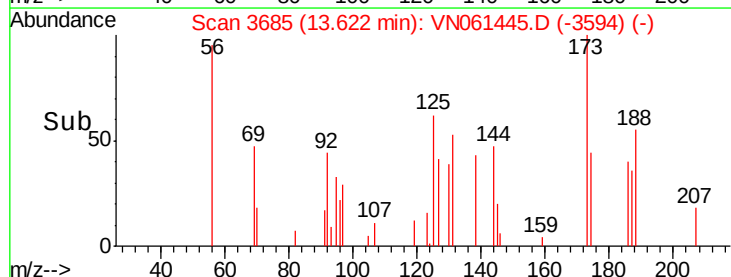
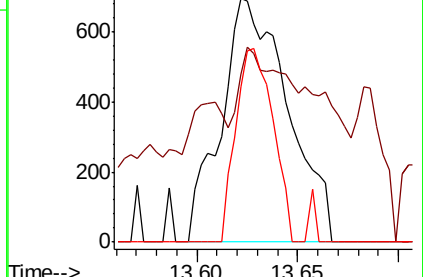
148 44.7 31.6 94.7

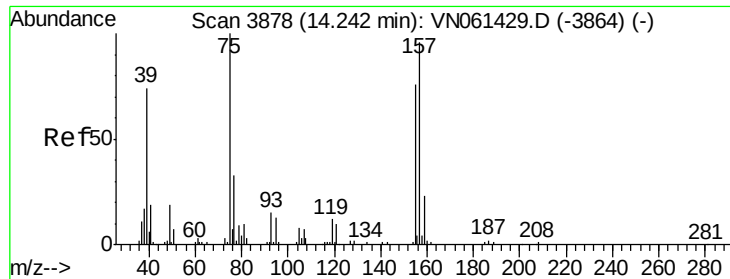


Abundance Ion 145.90 (145.60 to 146.60): VN061429.D (-3671) (-)

Ion 110.90 (110.60 to 111.60): VN061429.D (-3671) (-)

Ion 147.90 (147.60 to 148.60): VN061429.D (-3671) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.331 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

ClientSampled :

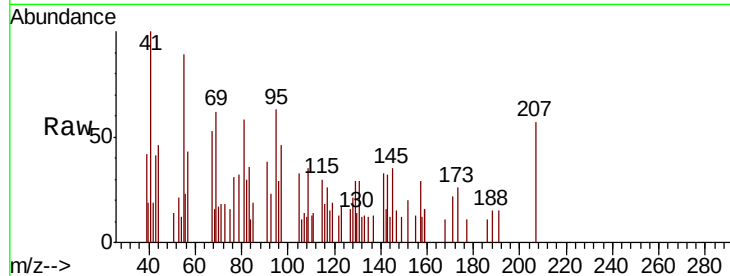
Tot Ion: 75 Resp: 283

Ion Ratio Lower Upper

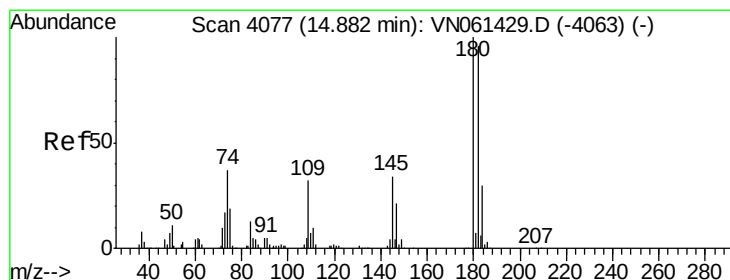
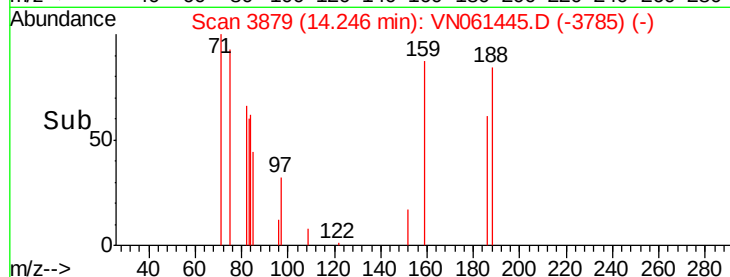
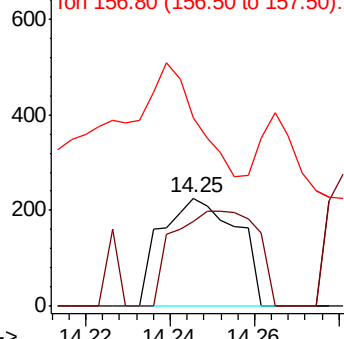
75 100

155 96.5 38.9 116.7

157 102.1 48.6 145.8



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3864) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.613 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

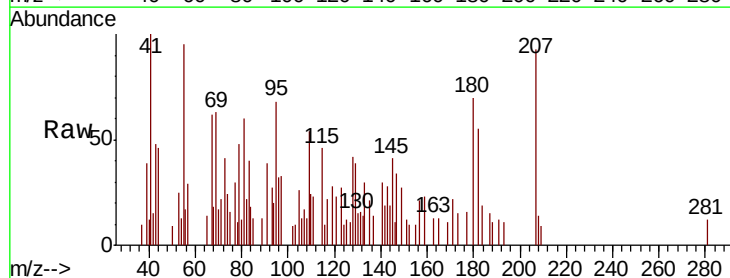
Tgt Ion: 180 Resp: 1949

Ion Ratio Lower Upper

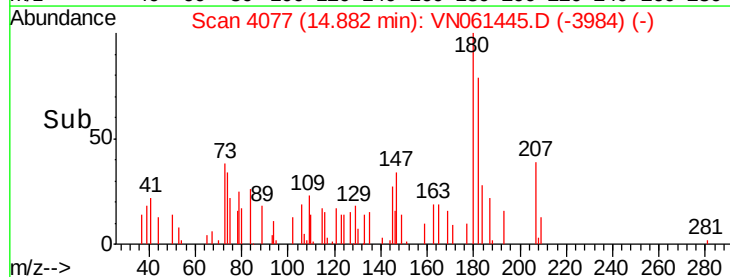
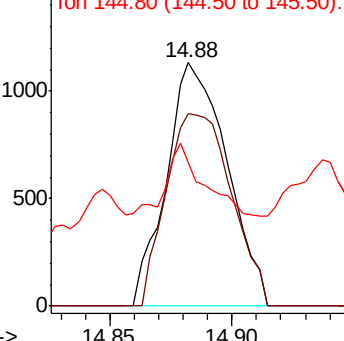
180 100

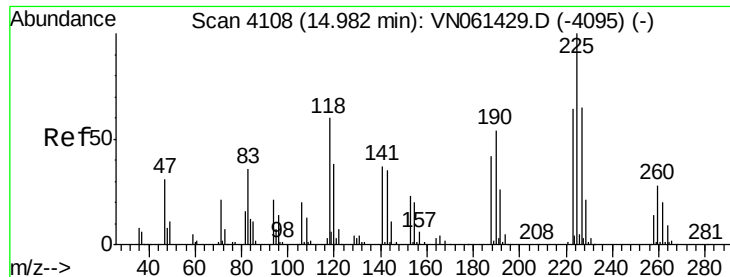
182 85.2 47.0 141.0

145 20.1 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): VN061429.D (-4063) (-)





#94

Hexachlorobutadiene

Concen: 0.627 ug/l

RT: 14.99 min Scan# 4110

Delta R.T. 0.01 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :
MSVOA_N
ClientSampled :

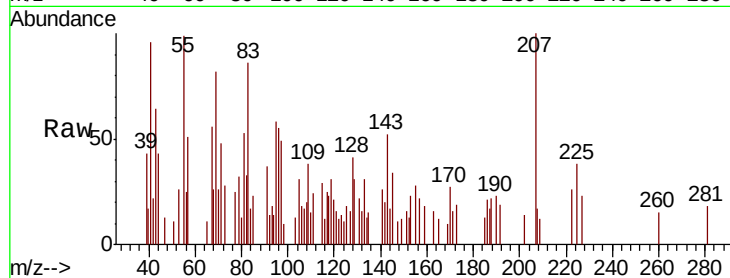
Tot Ion:225 Resp: 886

Ion Ratio Lower Upper

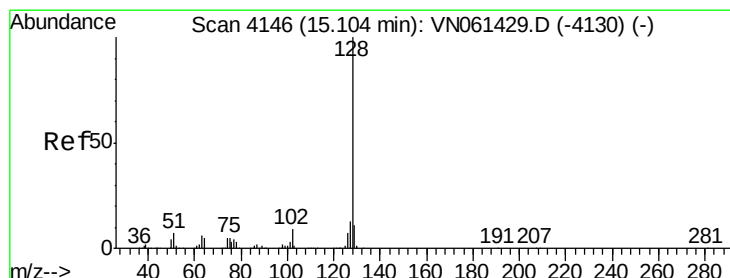
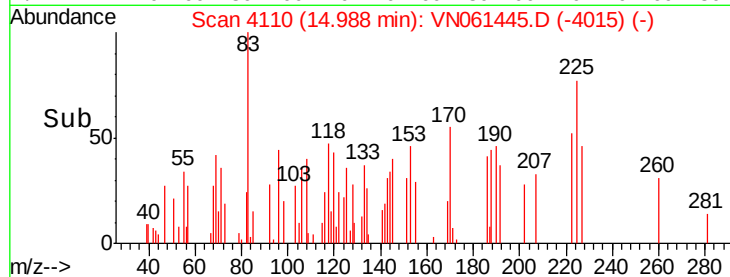
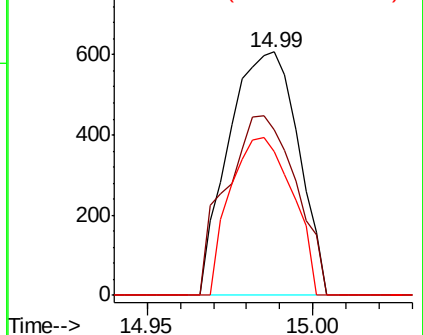
225 100

223 74.4 31.9 95.7

227 57.9 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.810 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

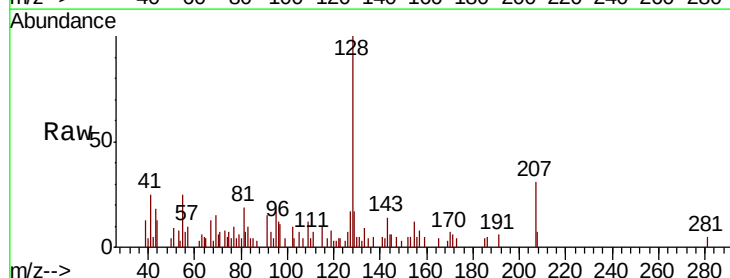
Tgt Ion:128 Resp: 8198

Ion Ratio Lower Upper

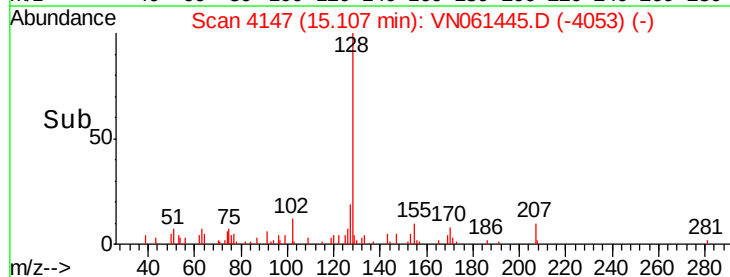
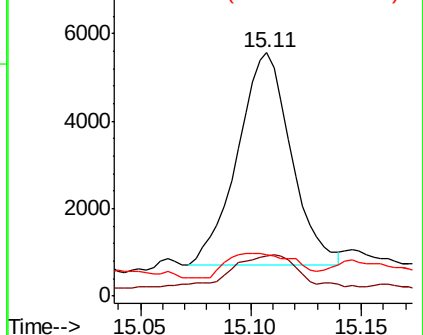
128 100

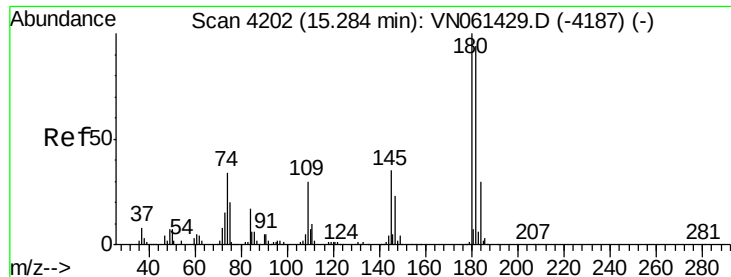
127 16.4 10.1 15.1#

129 14.7 8.6 13.0#



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





#96

1,2,3-Trichlorobenzene

Concen: 0.598 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061445.D

Acq: 18 May 2020 19:24

Instrument :

MSVOA_N

ClientSampleId :

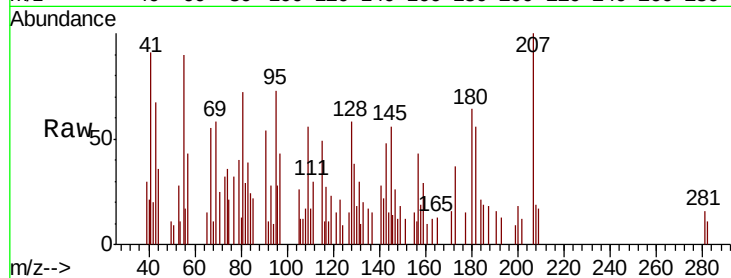
Tot Ion:180 Resp: 1893

Ion Ratio Lower Upper

180 100

182 91.5 47.8 143.3

145 42.6 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

