

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061508.D
 Acq On : 20 May 2020 18:13
 Operator : JC/MD
 Sample : L2676-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0688

Quant Time: May 21 01:13:14 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

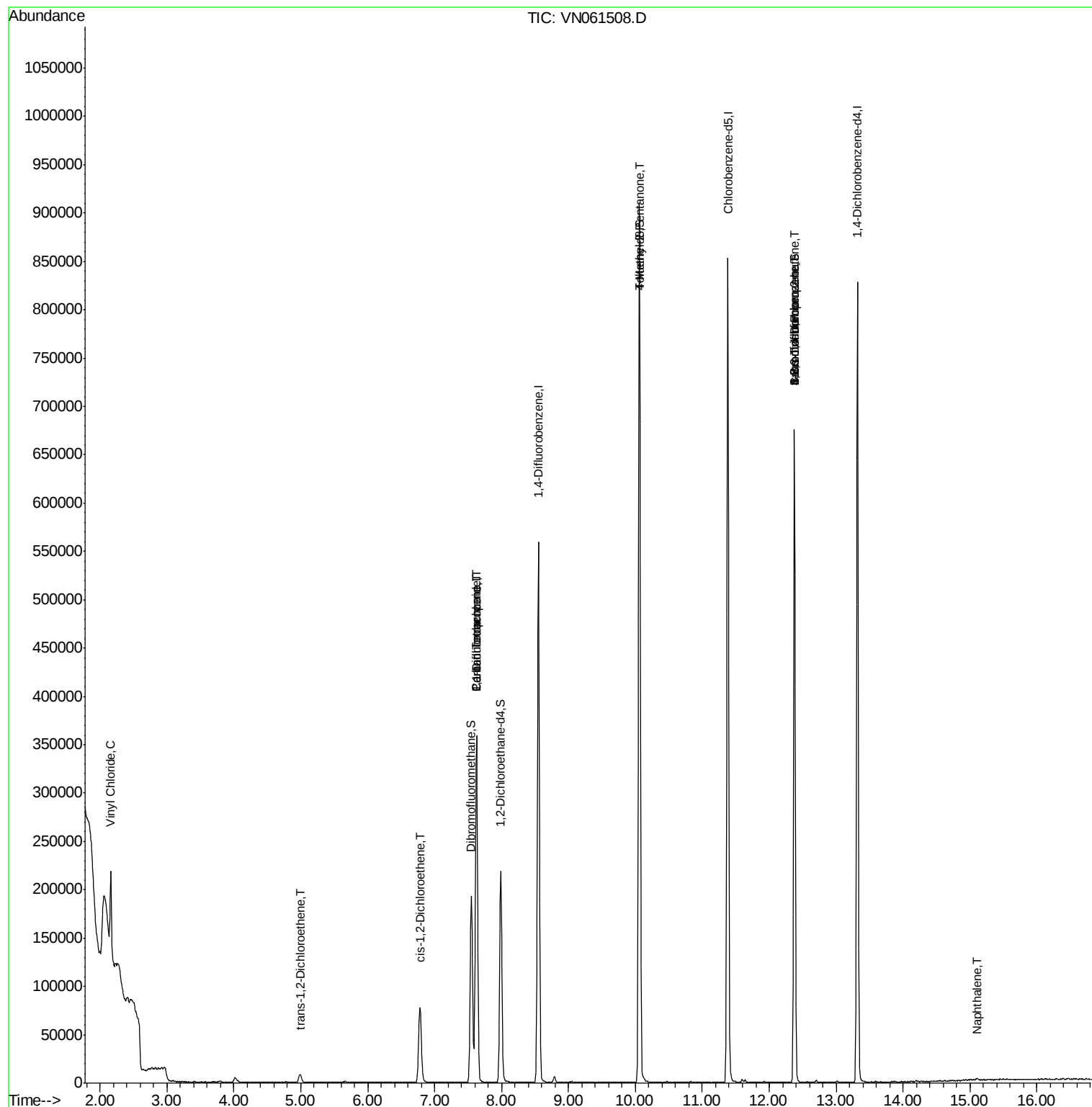
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	516687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	503821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	217328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	189153	45.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.42%	
35) Dibromofluoromethane	7.55	113	150126	55.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.92%	
50) Toluene-d8	10.06	98	639829	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.38	95	243303	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	76437	14.047	ug/l	96
5) Bromomethane	2.55	94	542	Below Cal	#	69
16) Acetone	3.78	43	1893	Below Cal	#	85
17) Carbon Disulfide	4.00	76	1327	Below Cal	#	75
18) Methyl Acetate	4.07	43	188	Below Cal	#	49
21) trans-1,2-Dichloroethene	5.00	96	6406	1.933	ug/l	86
27) cis-1,2-Dichloroethene	6.78	96	53336	13.626	ug/l	85
31) Cyclohexane	7.63	56	5965	Below Cal	#	5
36) 1,1-Dichloropropene	7.62	75	23173	4.796	ug/l	# 50
38) Carbon Tetrachloride	7.63	117	29435	6.617	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.06	43	2567	0.617	ug/l	# 1
71) Bromoform	12.38	173	1772	2.614	ug/l	# 1
76) 1,2,3-Trichloropropane	12.38	75	125267	26.862	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.38	75	125267	71.259	ug/l	# 12
95) Naphthalene	15.10	128	2458	0.215	ug/l	# 85

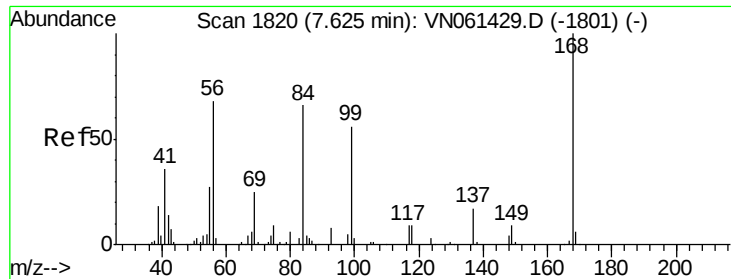
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

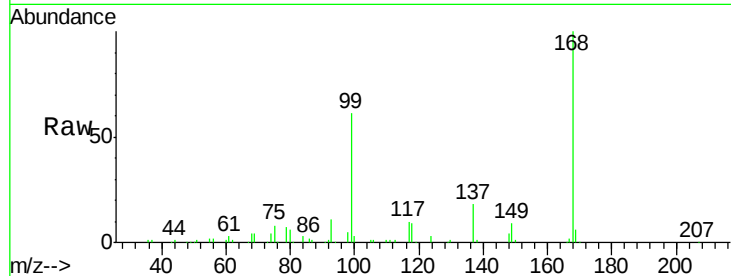
S32-0688

Tot Ion:168 Resp: 280360

Ion Ratio Lower Upper

168 100

99 60.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

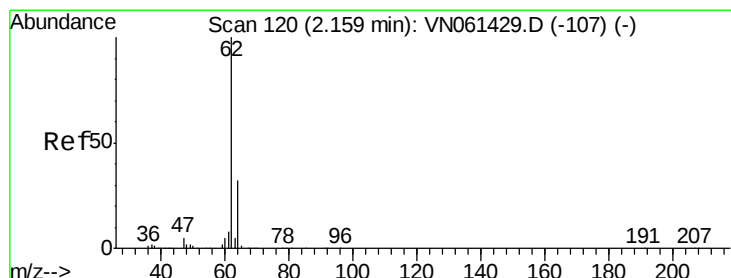
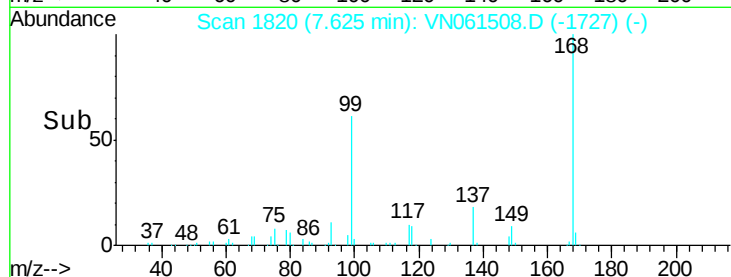
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 14.047 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061508.D

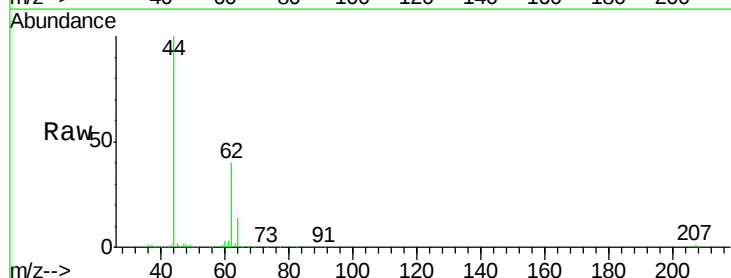
Acq: 20 May 2020 18:13

Tgt Ion: 62 Resp: 76437

Ion Ratio Lower Upper

62 100

64 34.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

60000

50000

40000

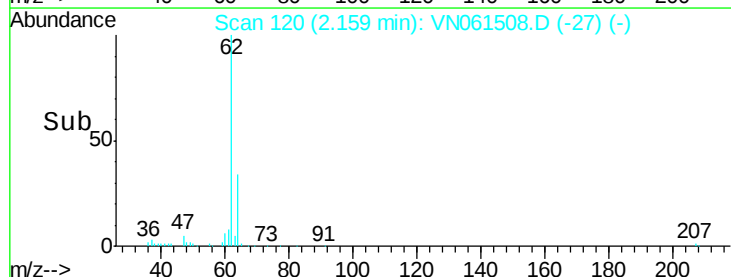
30000

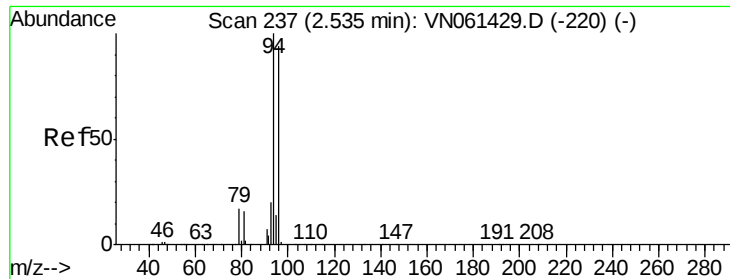
20000

10000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

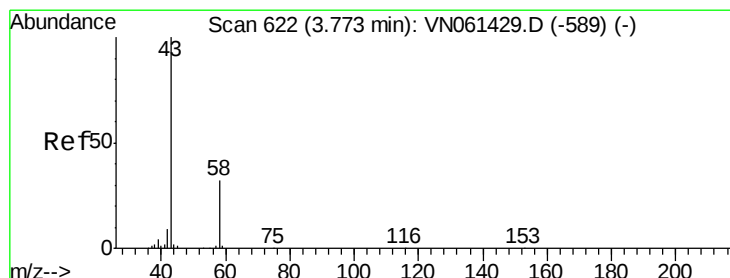
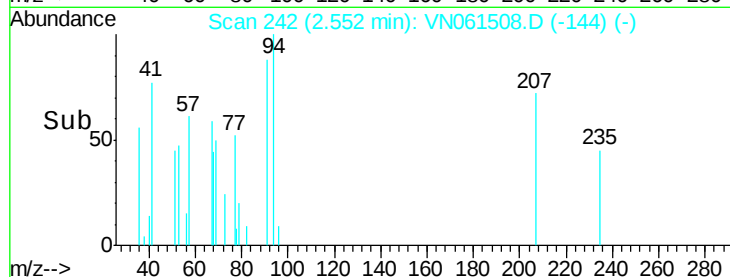
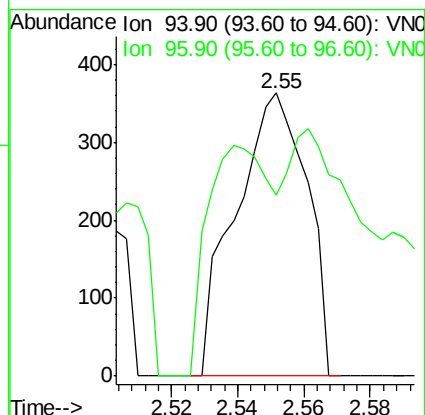
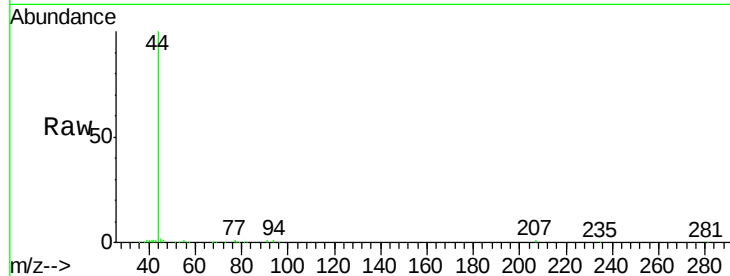
S32-0688

Tot Ion: 94 Resp: 542

Ion Ratio Lower Upper

94 100

96 64.2 74.9 112.3#



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061508.D

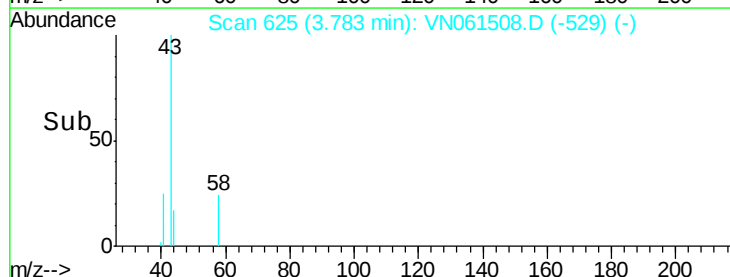
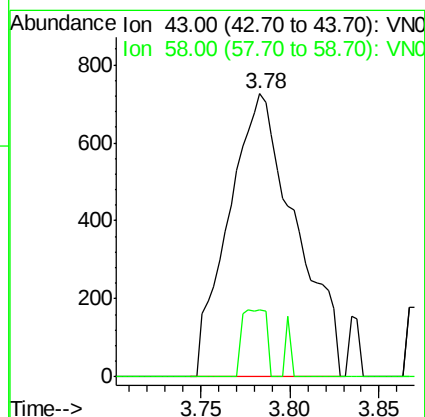
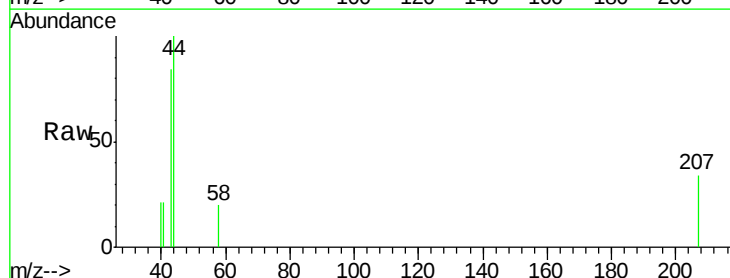
Acq: 20 May 2020 18:13

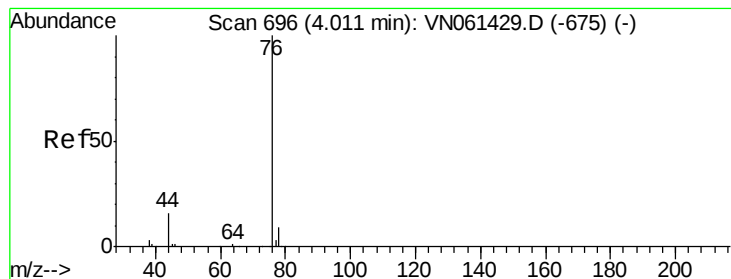
Tgt Ion: 43 Resp: 1893

Ion Ratio Lower Upper

43 100

58 23.8 25.6 38.4#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. -0.01 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

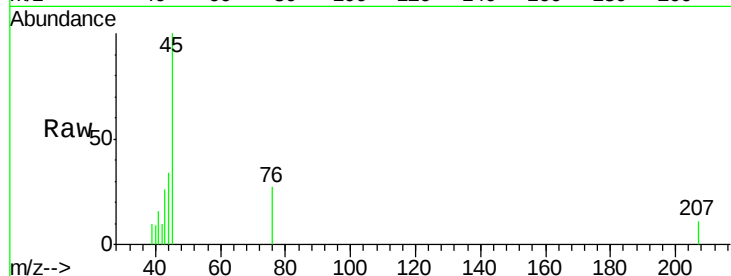
S32-0688

Tot Ion: 76 Resp: 1327

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

600

500

400

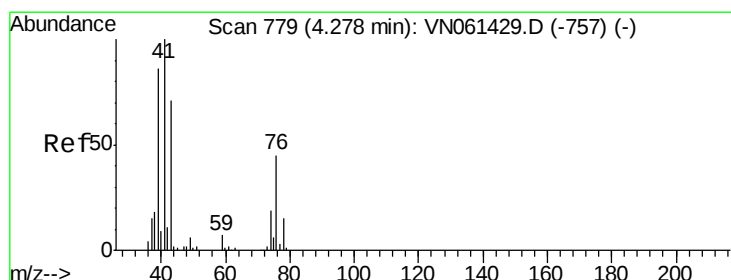
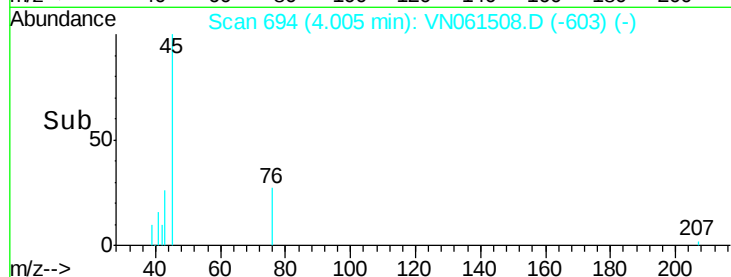
300

200

100

0

Time--> 3.95 4.00 4.05



#18

Methyl Acetate

Concen: Below Cal

RT: 4.07 min Scan# 715

Delta R.T. -0.21 min

Lab File: VN061508.D

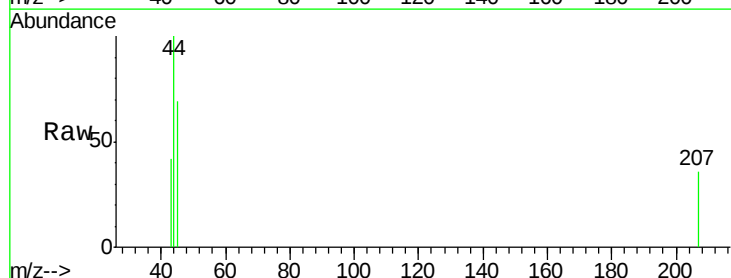
Acq: 20 May 2020 18:13

Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.07

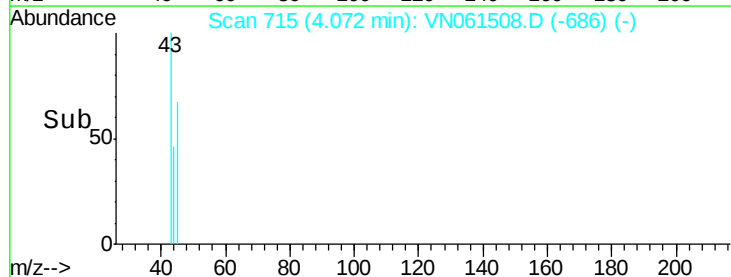
300

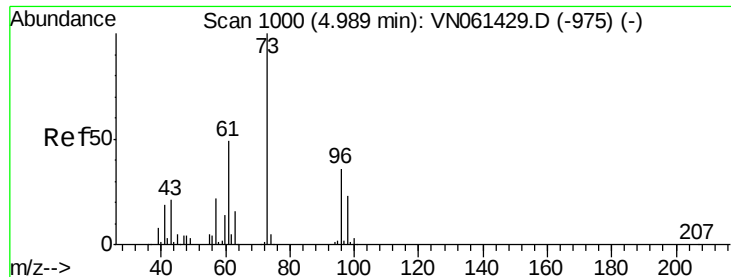
200

100

0

Time--> 4.06 4.07 4.08 4.09

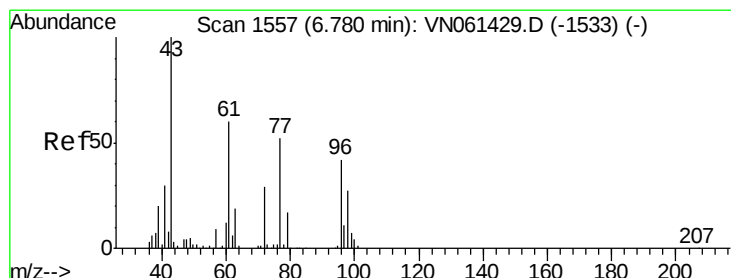
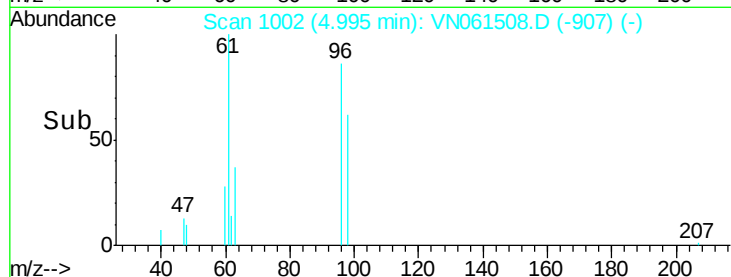
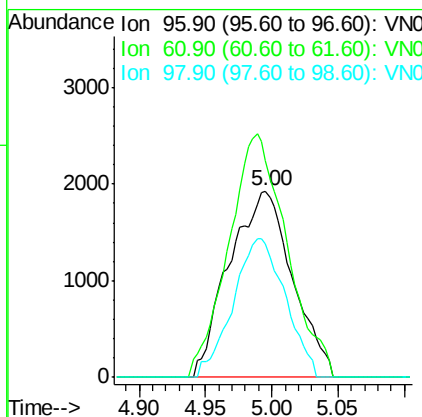
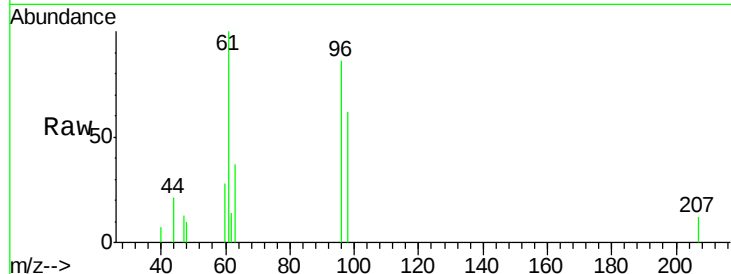




#21
trans-1,2-Dichloroethene
Concen: 1.933 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN061508.D
Acq: 20 May 2020 18:13

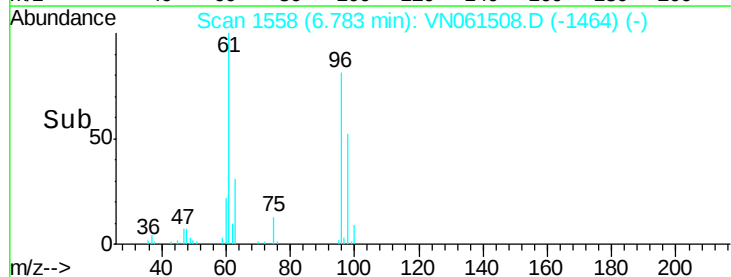
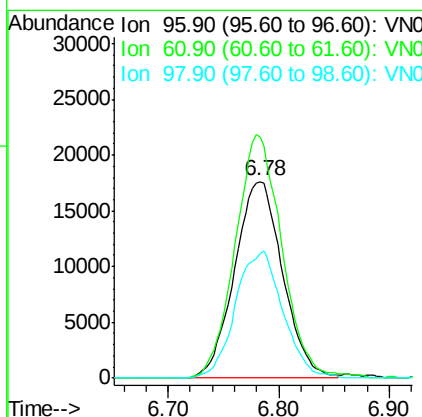
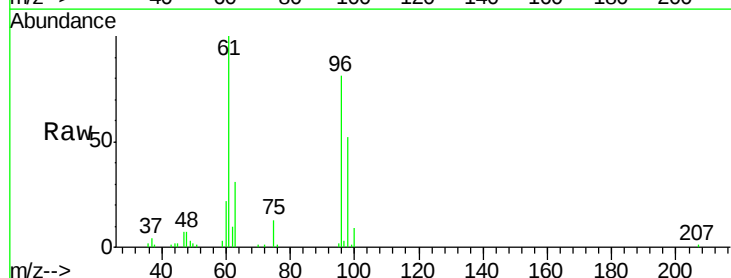
Instrument :
MSVOA_N
ClientSampleId :
S32-0688

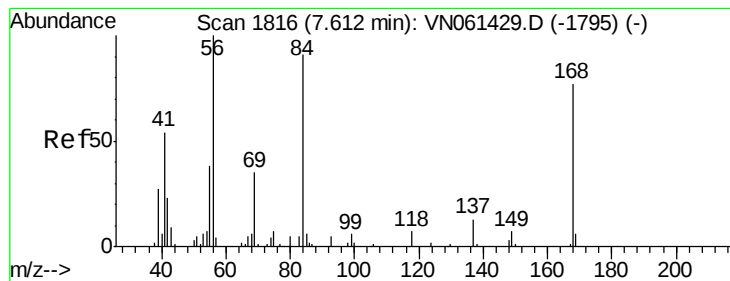
Tot Ion: 96 Resp: 6406
Ion Ratio Lower Upper
96 100
61 116.2 109.8 164.6
98 71.6 52.4 78.6



#27
cis-1,2-Dichloroethene
Concen: 13.626 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061508.D
Acq: 20 May 2020 18:13

Tgt Ion: 96 Resp: 53336
Ion Ratio Lower Upper
96 100
61 120.6 0.0 294.2
98 63.6 0.0 128.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

S32-0688

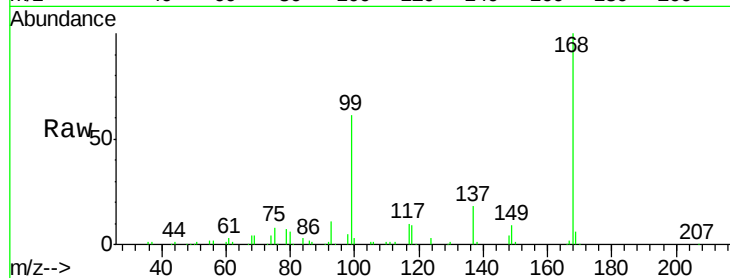
Tot Ion: 56 Resp: 5965

Ion Ratio Lower Upper

56 100

69 161.7 27.8 41.6#

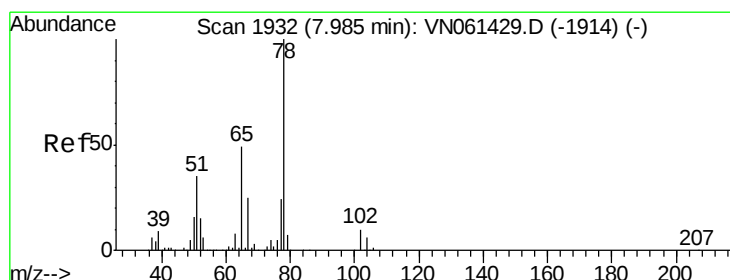
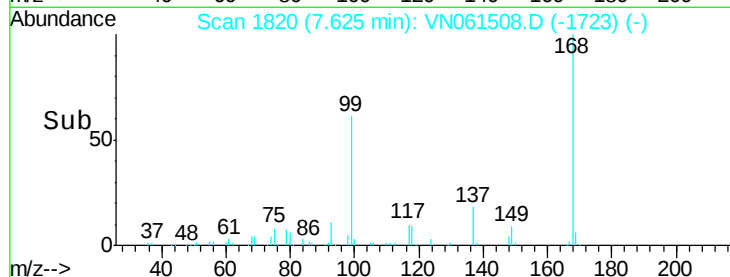
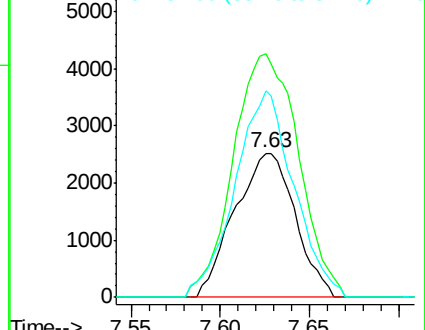
84 135.9 72.7 109.1#



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: 45.206 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061508.D

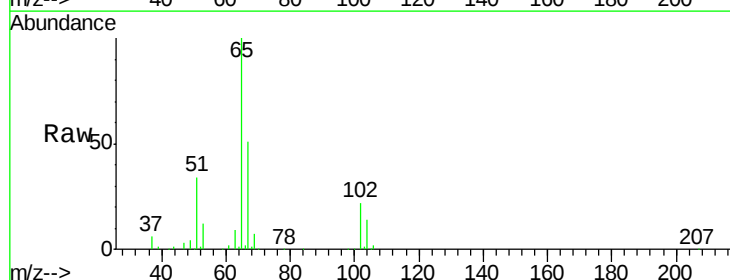
Acq: 20 May 2020 18:13

Tgt Ion: 65 Resp: 189153

Ion Ratio Lower Upper

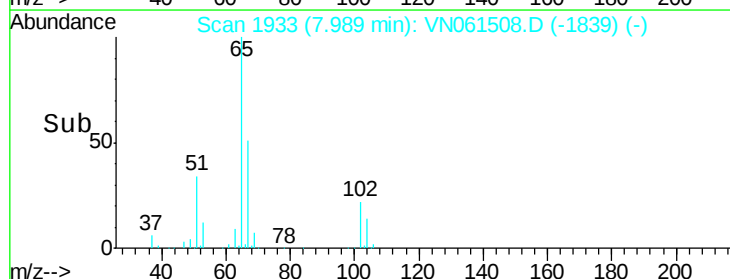
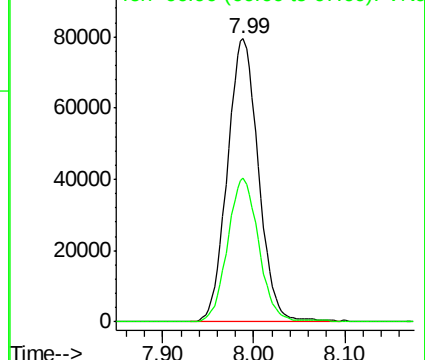
65 100

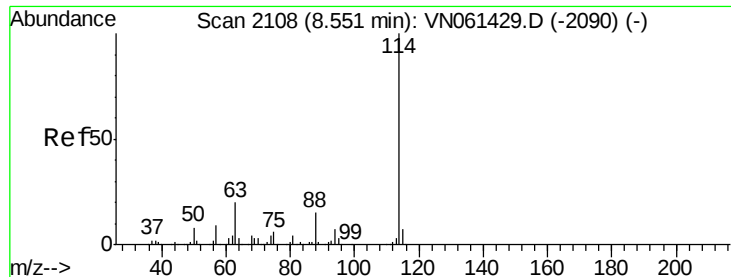
67 50.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

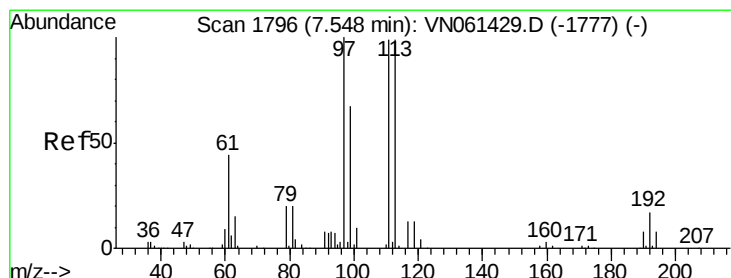
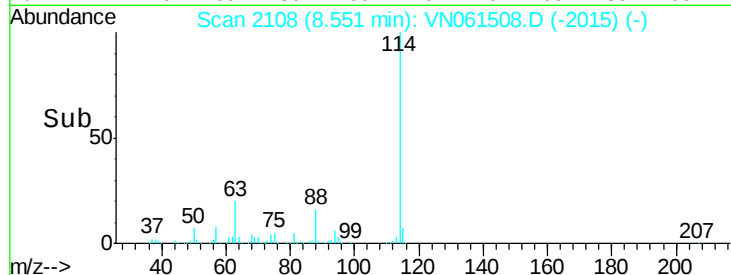
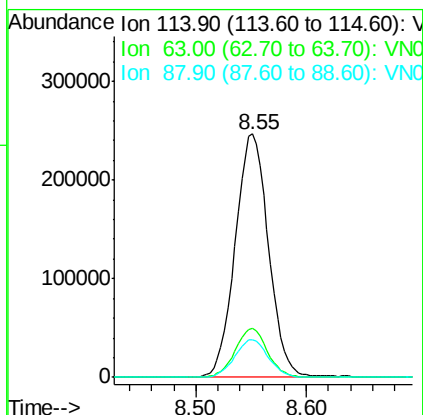
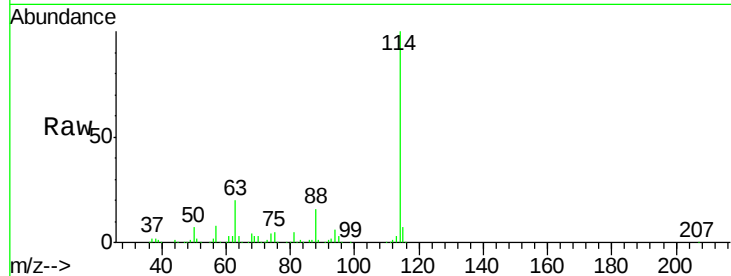




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061508.D
 Acq: 20 May 2020 18:13

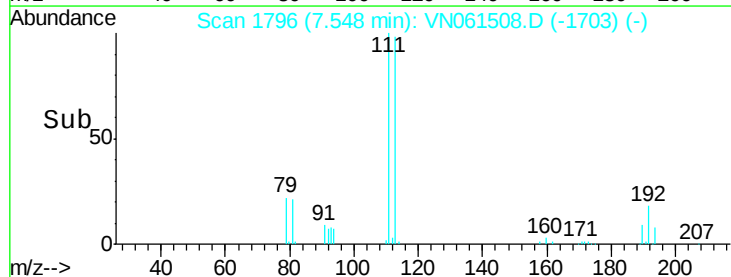
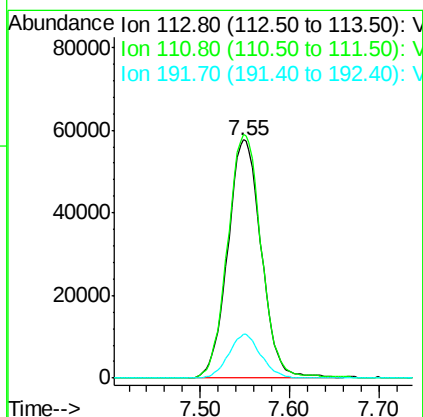
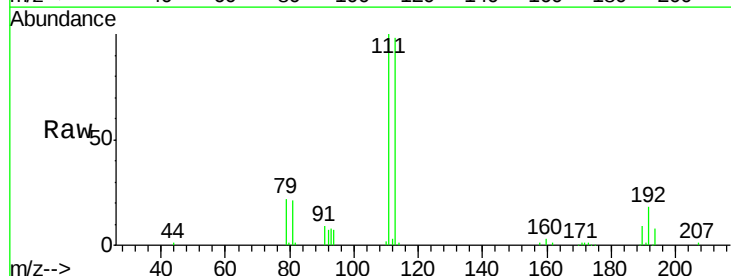
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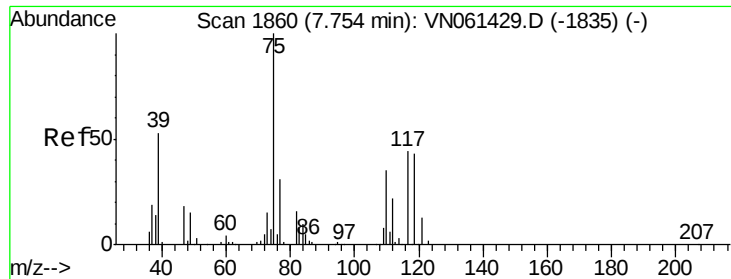
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.6	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 55.463 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061508.D
 Acq: 20 May 2020 18:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.6	121.0
192	17.6	13.2	19.8

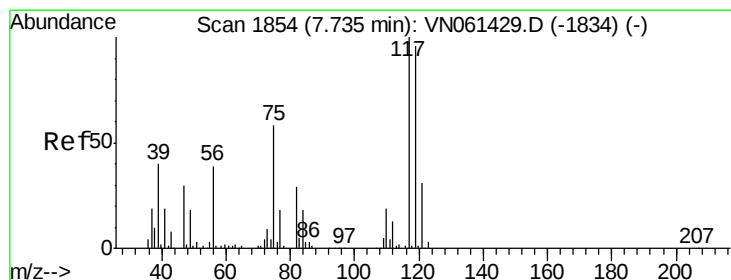
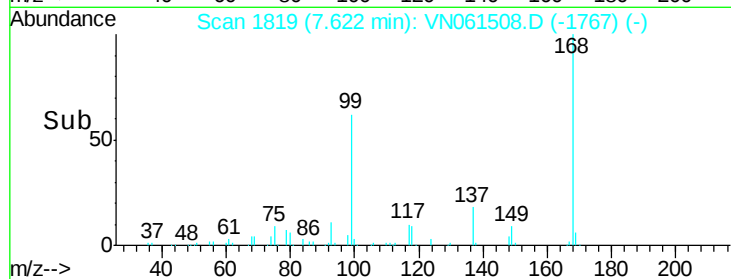
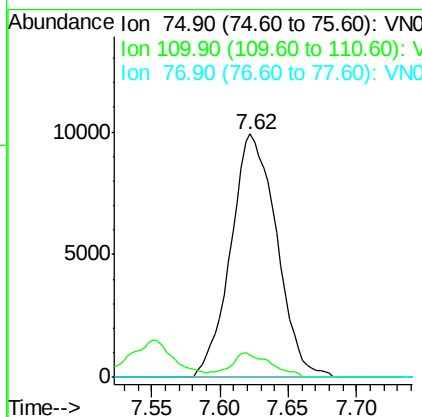
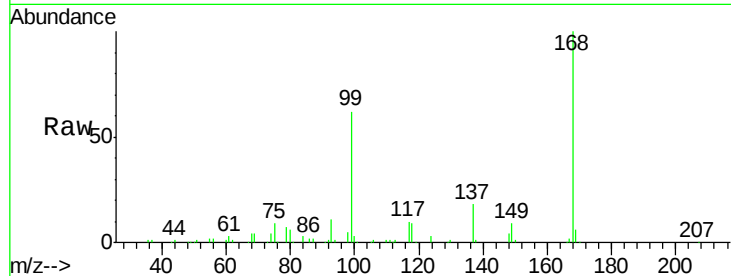




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061508.D
 Acq: 20 May 2020 18:13

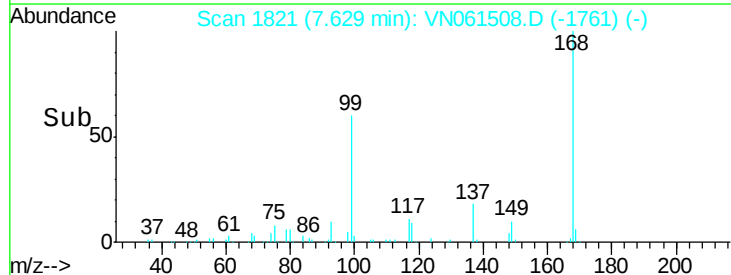
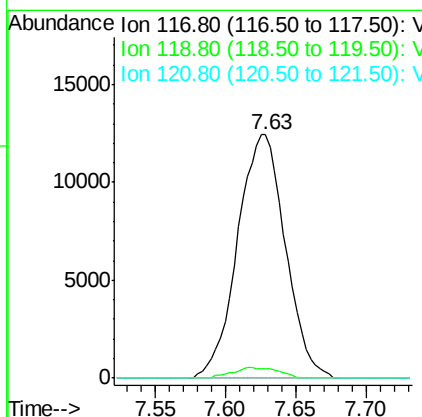
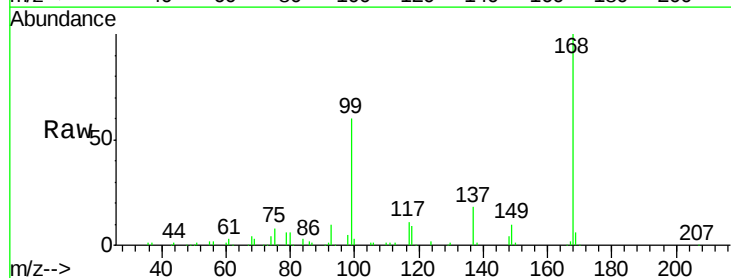
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 S32-0688

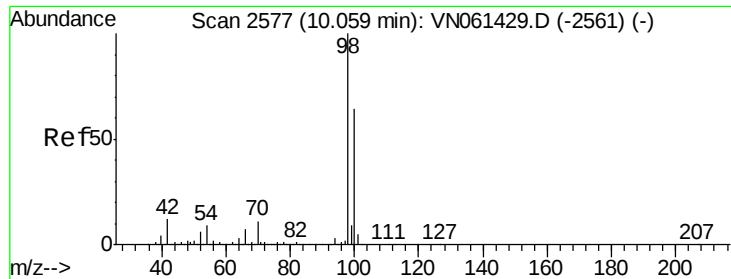
Tot Ion	75	Resp	23173
Ion Ratio	Lower	Upper	
75	100		
110	8.7	17.3	51.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.617 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061508.D
 Acq: 20 May 2020 18:13

Tgt Ion	117	Resp	29435
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	3.9	77.0	115.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 50.963 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

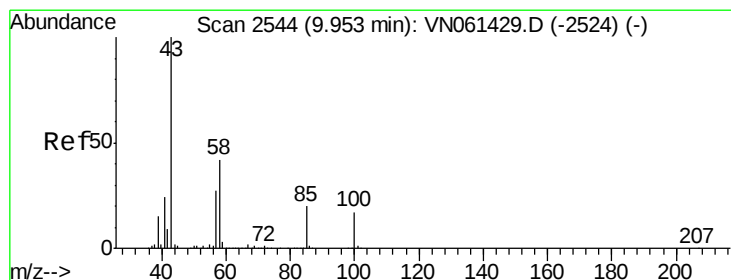
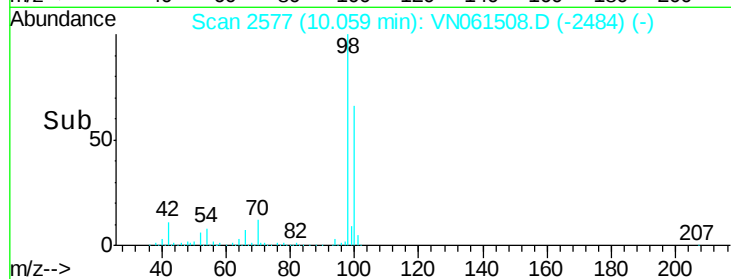
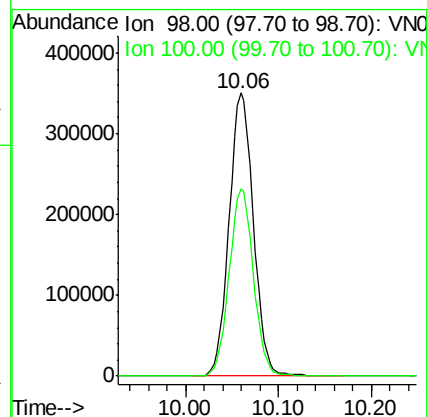
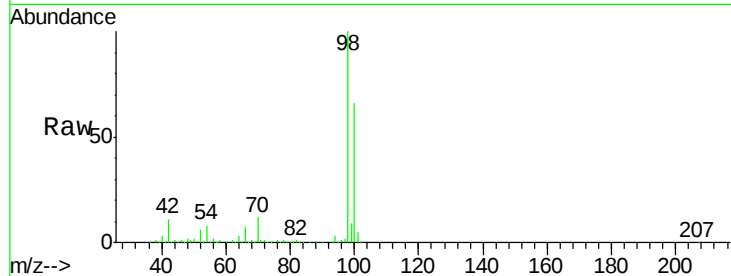
S32-0688

Tot Ion: 98 Resp: 639829

Ion Ratio Lower Upper

98 100

100 66.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.617 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061508.D

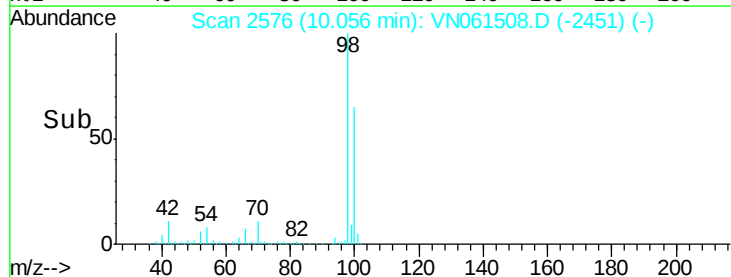
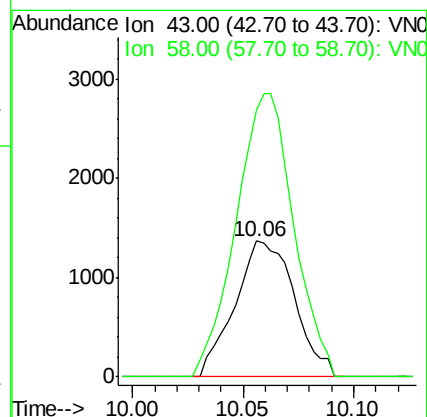
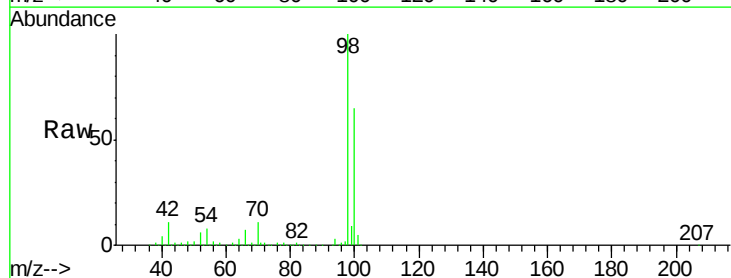
Acq: 20 May 2020 18:13

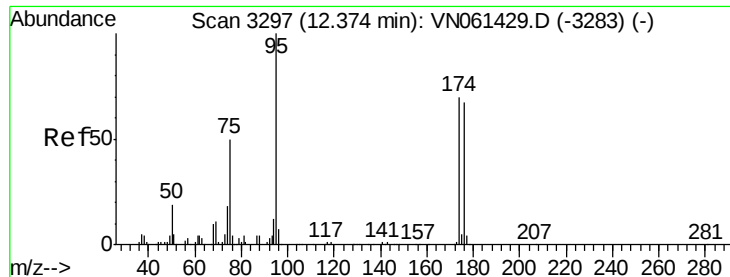
Tgt Ion: 43 Resp: 2567

Ion Ratio Lower Upper

43 100

58 201.6 33.4 50.2#





#62

4-Bromofluorobenzene

Concen: 51.871 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

S32-0688

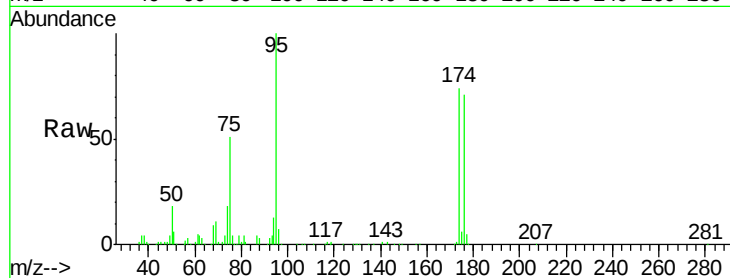
Tot Ion: 95 Resp: 243303

Ion Ratio Lower Upper

95 100

174 73.9 0.0 141.2

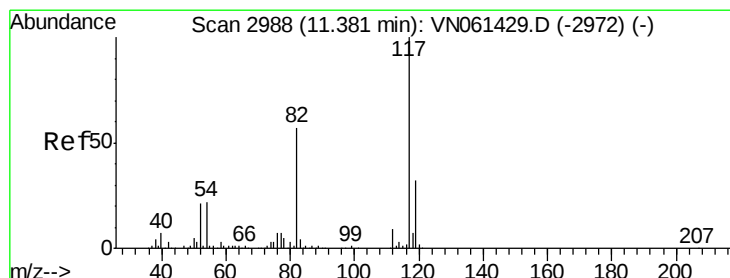
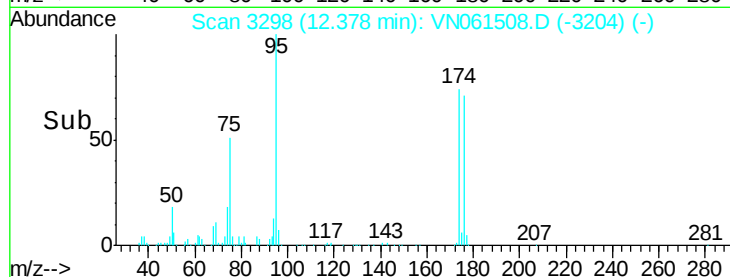
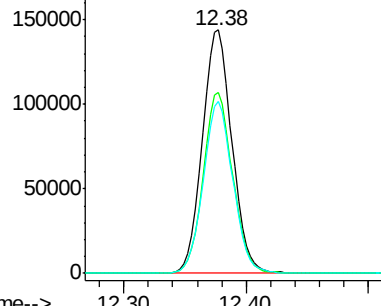
176 70.5 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061508.D (-3204) (-)

Ion 173.80 (173.50 to 174.50): VN061508.D (-3204) (-)

Ion 175.80 (175.50 to 176.50): VN061508.D (-3204) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

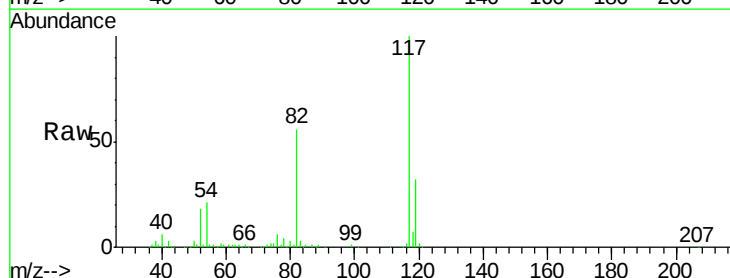
Tgt Ion: 117 Resp: 503821

Ion Ratio Lower Upper

117 100

82 55.5 45.2 67.8

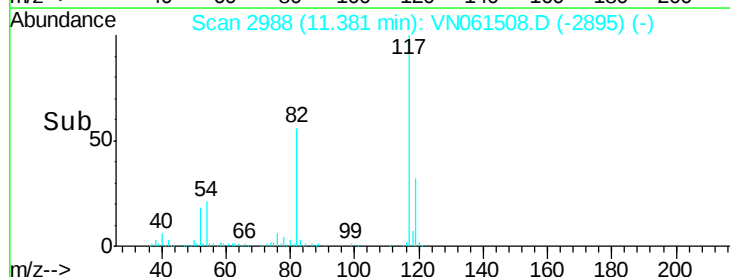
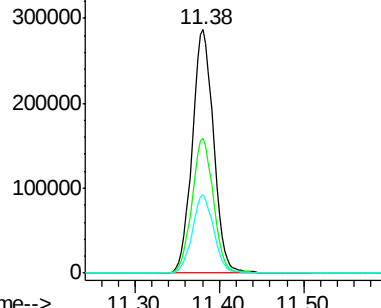
119 32.0 25.3 37.9

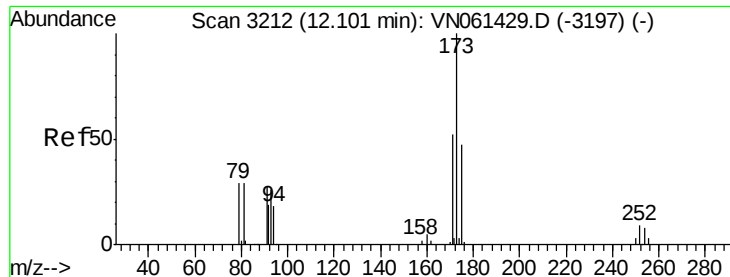


Abundance Ion 116.90 (116.60 to 117.60): VN061508.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061508.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061508.D (-2895) (-)





#71

Bromoform

Concen: 2.614 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

S32-0688

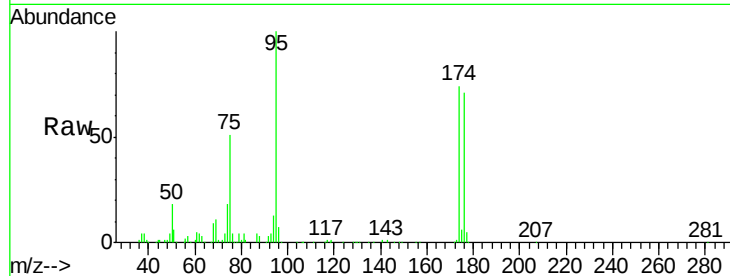
Tot Ion:173 Resp: 1772

Ion Ratio Lower Upper

173 100

175 655.4 23.9 71.8#

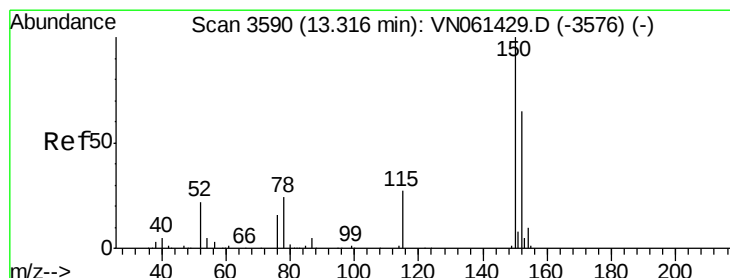
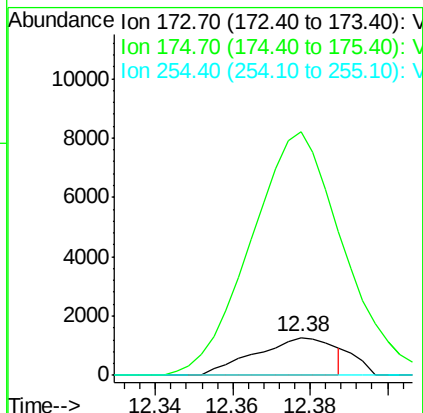
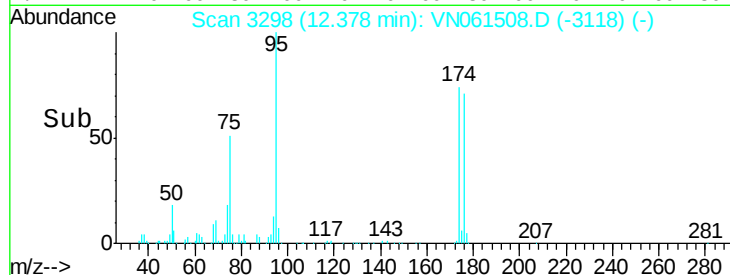
254 0.0 0.0 0.0



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: VN061508.D

Acq: 20 May 2020 18:13

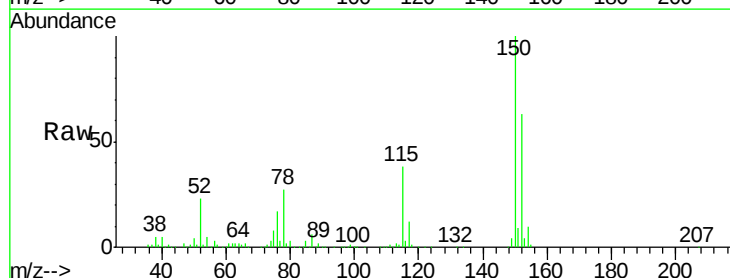
Tgt Ion:152 Resp: 217328

Ion Ratio Lower Upper

152 100

115 61.2 30.9 92.5

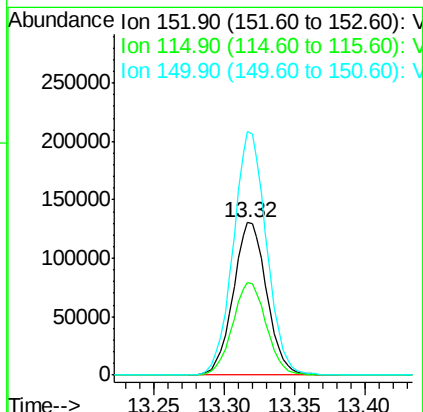
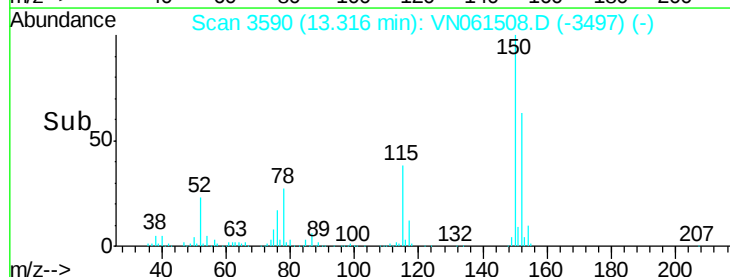
150 158.8 0.0 349.2

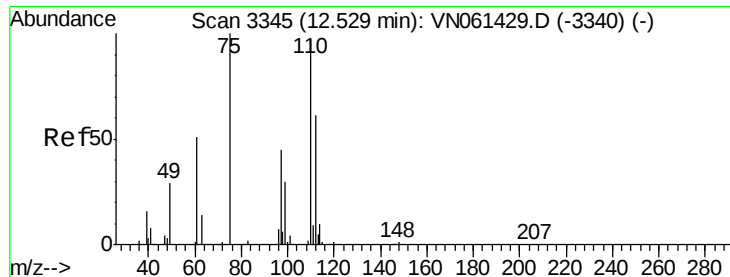


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.862 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

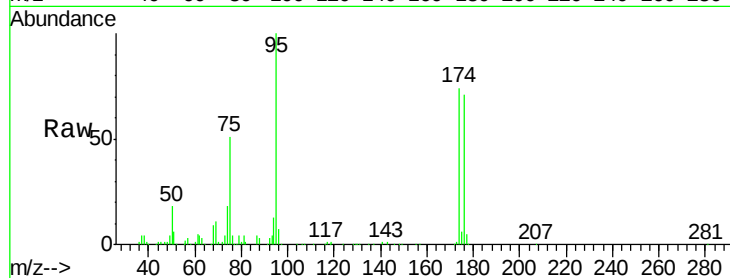
S32-0688

Tot Ion: 75 Resp: 125267

Ion Ratio Lower Upper

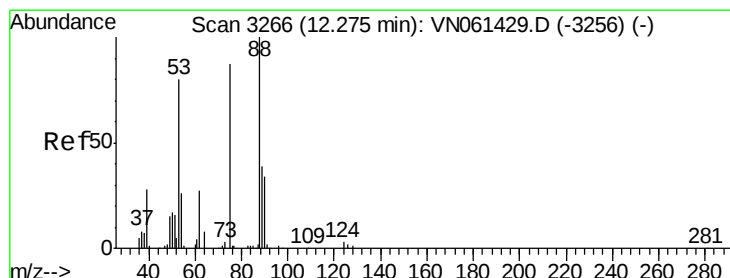
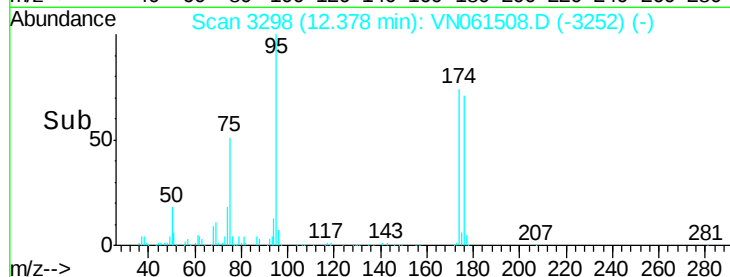
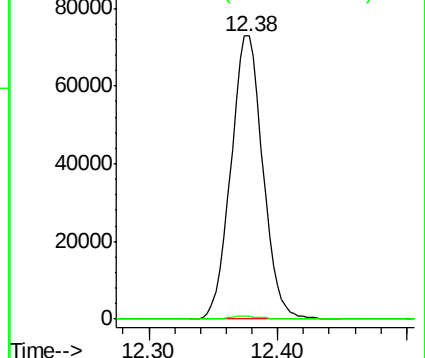
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 71.259 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

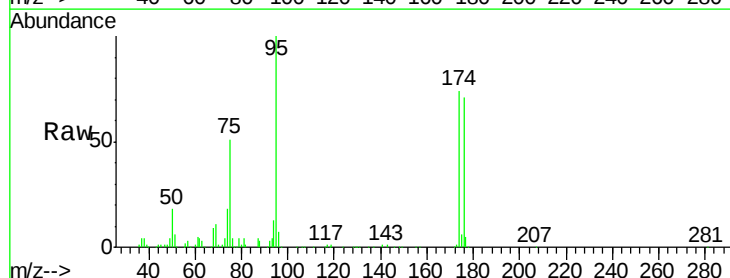
Tgt Ion: 75 Resp: 125267

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

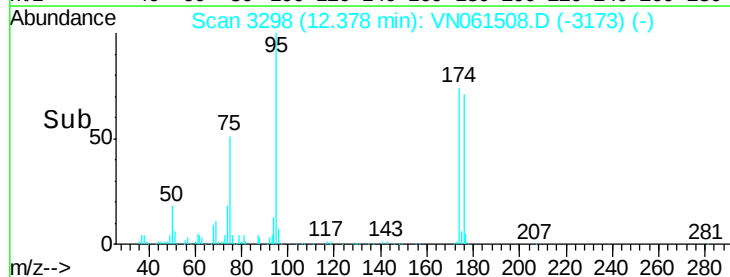
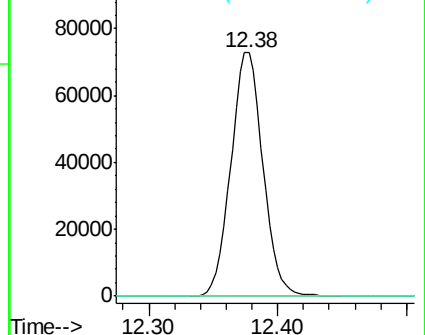
89 0.0 38.2 57.4#

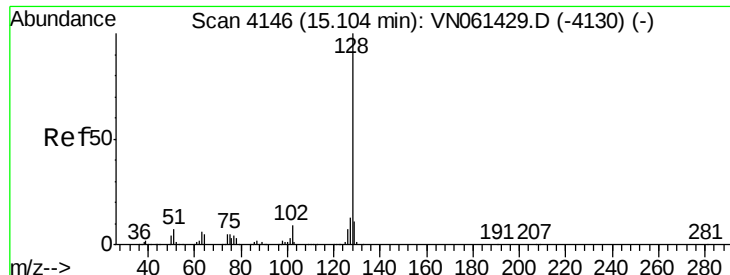


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 0.215 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061508.D

Acq: 20 May 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

S32-0688

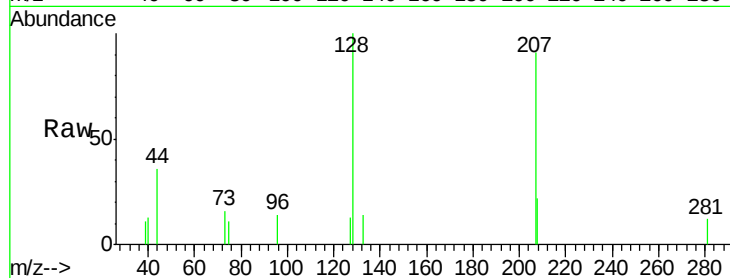
Tot Ion:128 Resp: 2458

Ion Ratio Lower Upper

128 100

127 7.4 10.1 15.1#

129 4.2 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

