

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062193.D
 Acq On : 29 Jun 2020 17:19
 Operator : JC/MD
 Sample : L3088-03DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20BR-20200622DL

Quant Time: Jun 30 04:27:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

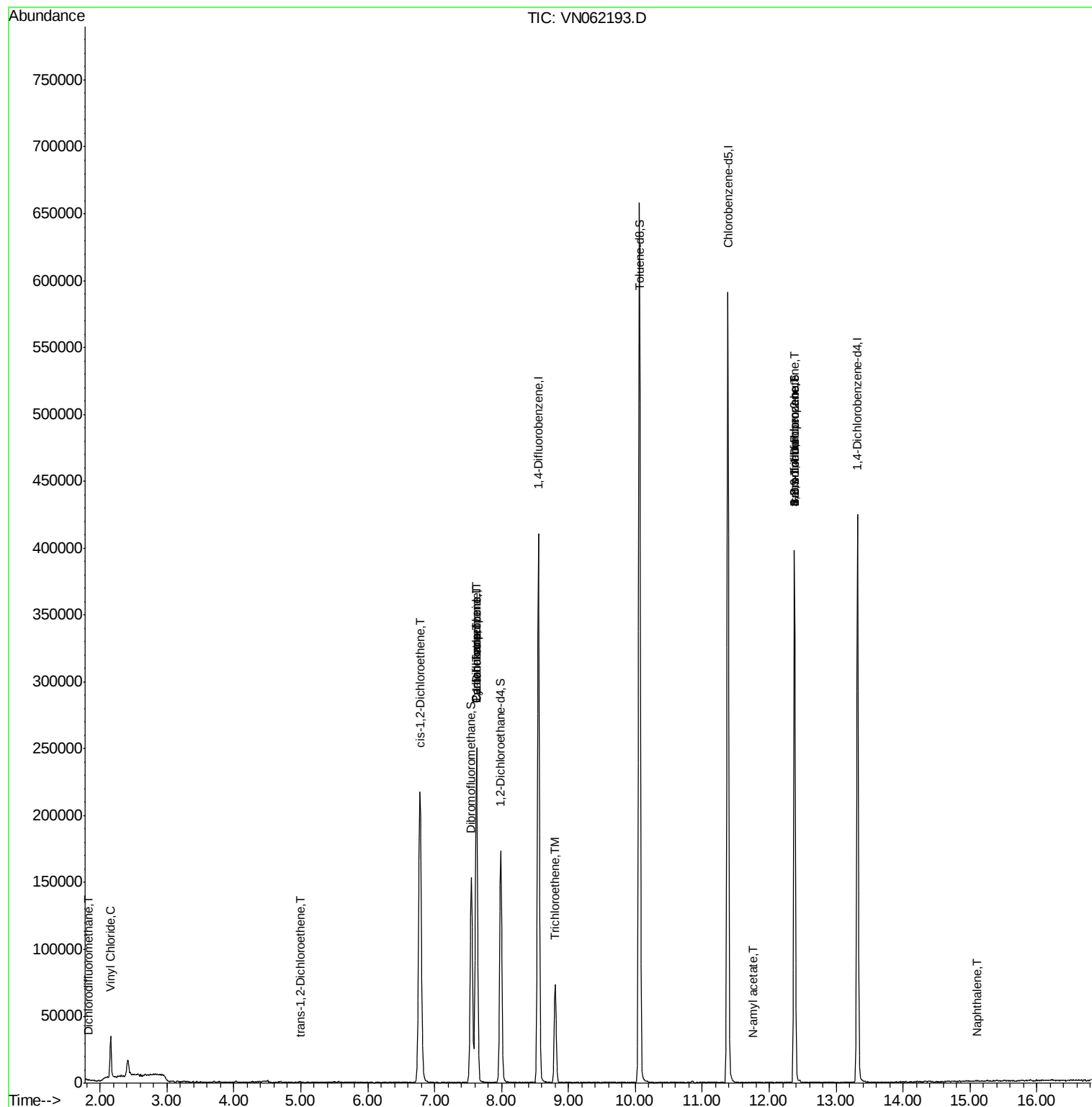
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	196100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	364443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	342931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	113094	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	144818	52.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.24%	
35) Dibromofluoromethane	7.55	113	117462	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	10.06	98	463647	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.38	95	139500	44.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	638	0.288	ug/l	98
3) Chloromethane	2.03	50	236	Below Cal	#	41
4) Vinyl Chloride	2.16	62	26294	7.533	ug/l	94
16) Acetone	3.77	43	221	Below Cal	#	40
21) trans-1,2-Dichloroethene	4.99	96	574	0.224	ug/l #	54
27) cis-1,2-Dichloroethene	6.78	96	147117	50.968	ug/l	91
31) Cyclohexane	7.62	56	4783	1.258	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	16654	4.546	ug/l #	49
38) Carbon Tetrachloride	7.63	117	19504	5.647	ug/l #	16
44) Trichloroethene	8.80	130	27967	9.930	ug/l	97
71) Bromoform	12.38	173	1140	0.616	ug/l #	1
74) N-amyl acetate	11.76	43	64	3.362	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	71841	26.984	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71841	78.804	ug/l #	13
95) Naphthalene	15.11	128	97	4.011	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062920\
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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: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

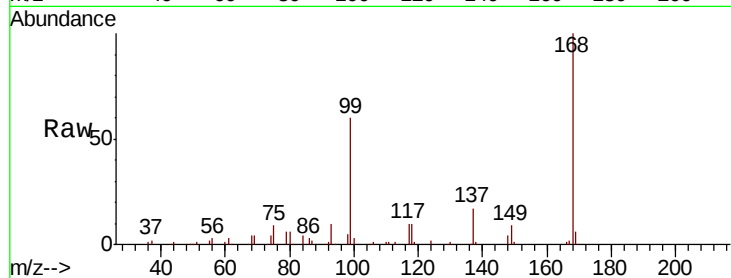
20BR-20200622DL

Tot Ion:168 Resp: 196100

Ion Ratio Lower Upper

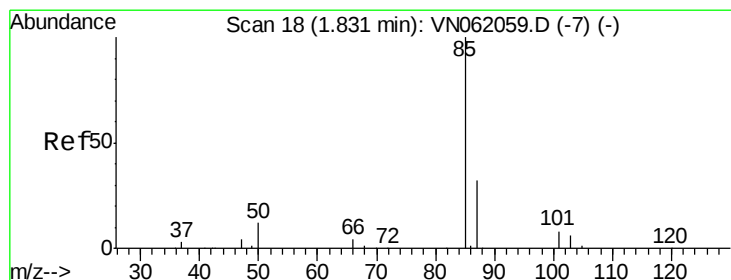
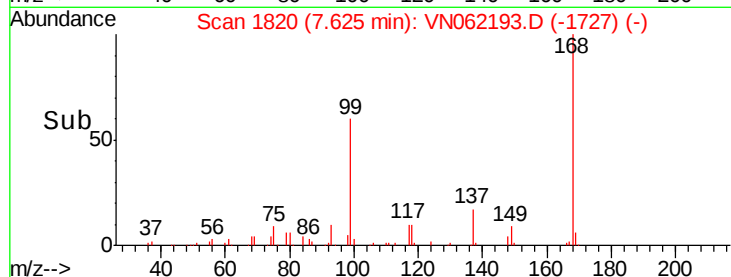
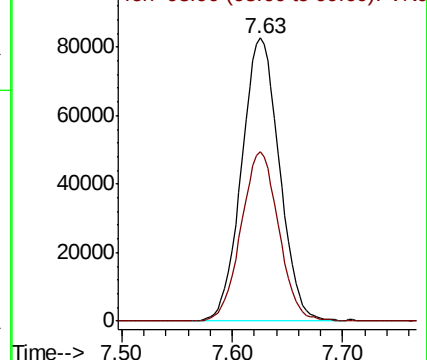
168 100

99 59.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.288 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062193.D

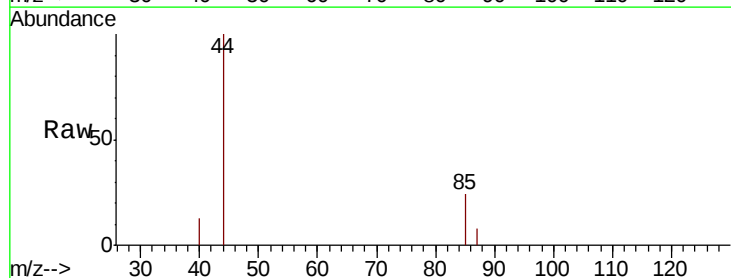
Acq: 29 Jun 2020 17:19

Tgt Ion: 85 Resp: 638

Ion Ratio Lower Upper

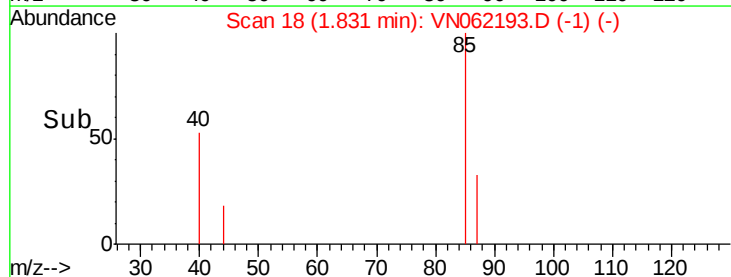
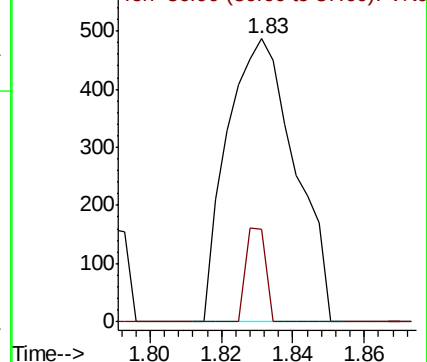
85 100

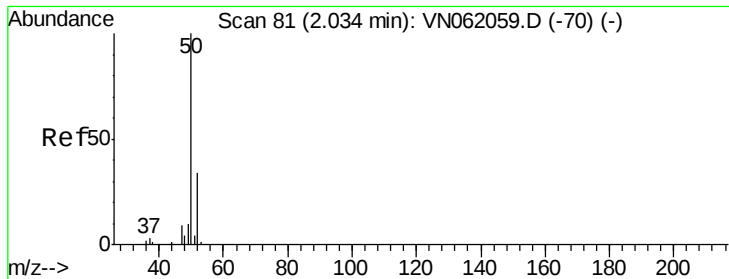
87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

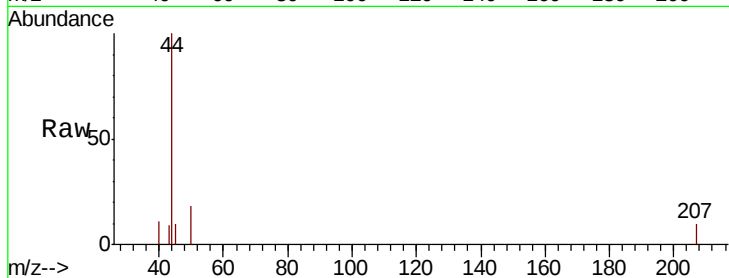
20BR-20200622DL

Tot Ion: 50 Resp: 236

Ion Ratio Lower Upper

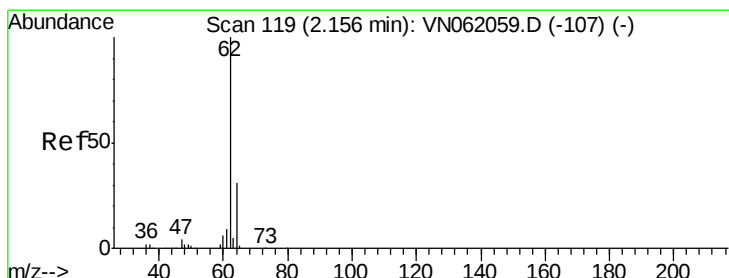
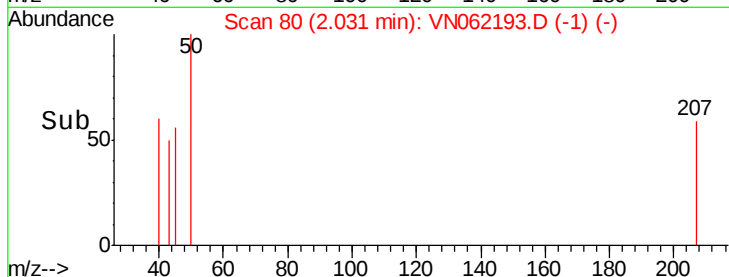
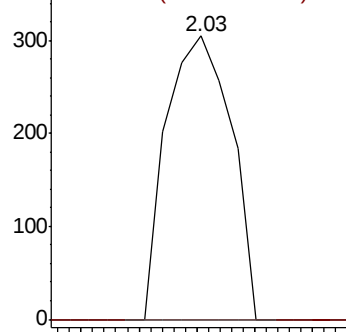
50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 7.533 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062193.D

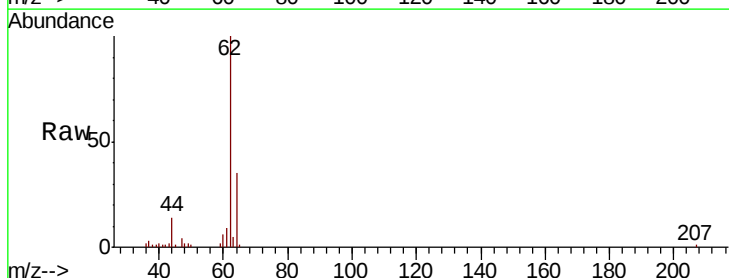
Acq: 29 Jun 2020 17:19

Tgt Ion: 62 Resp: 26294

Ion Ratio Lower Upper

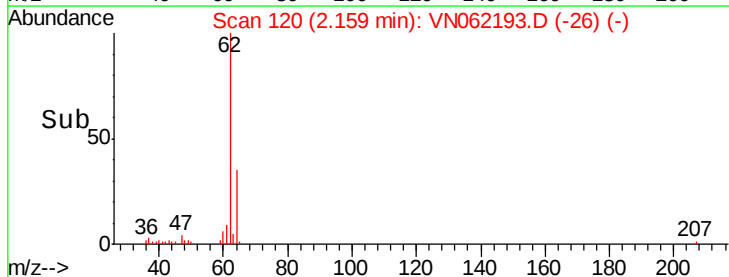
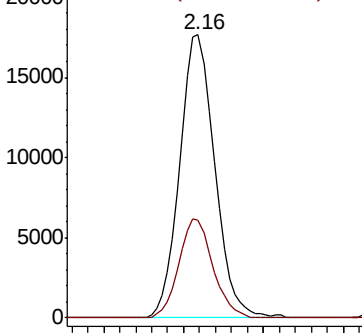
62 100

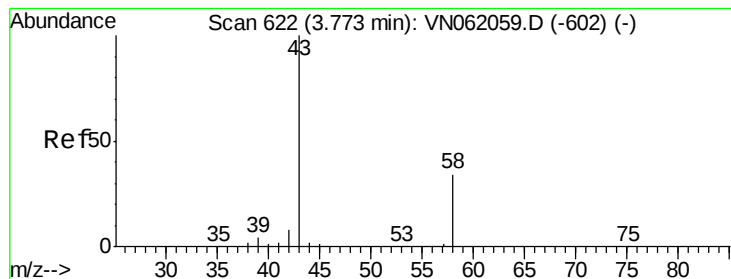
64 34.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

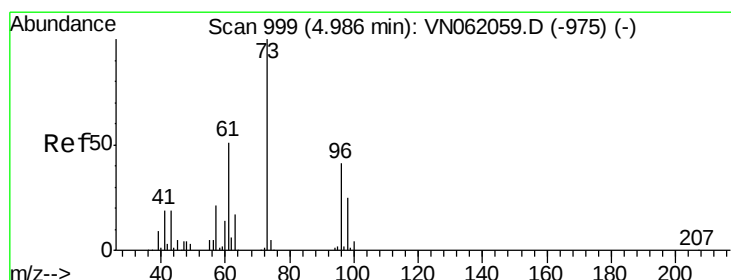
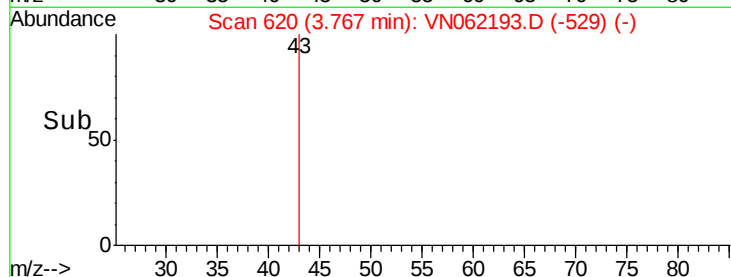
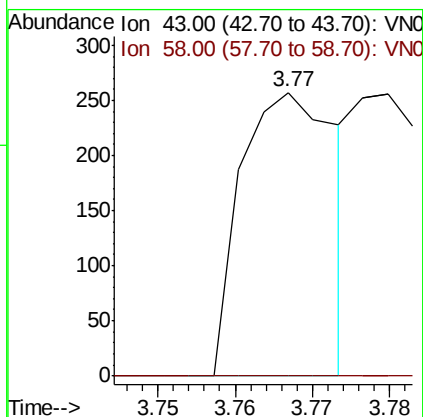
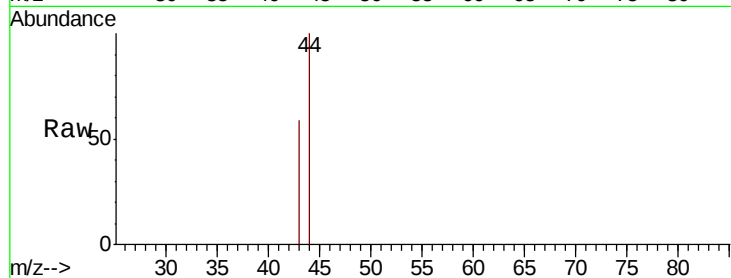
20BR-20200622DL

Tot Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#21

trans-1,2-Dichloroethene

Concen: 0.224 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

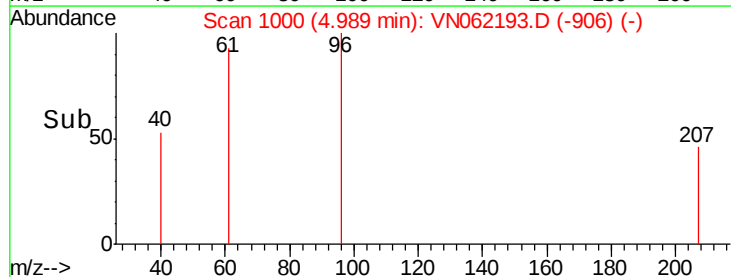
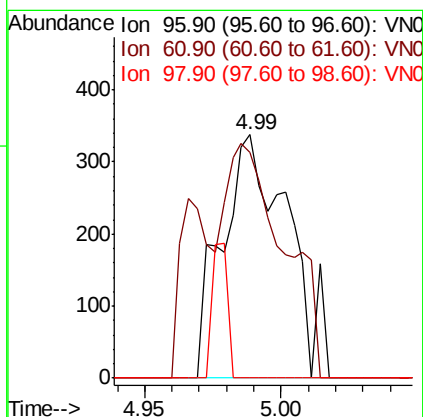
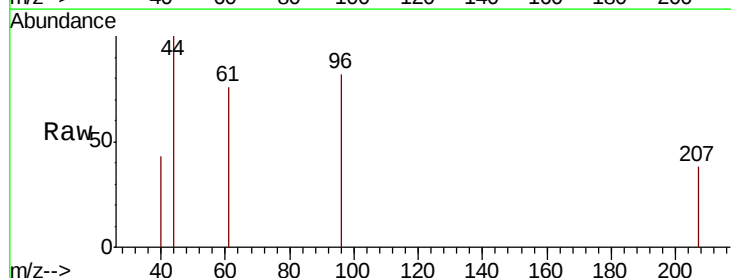
Tgt Ion: 96 Resp: 574

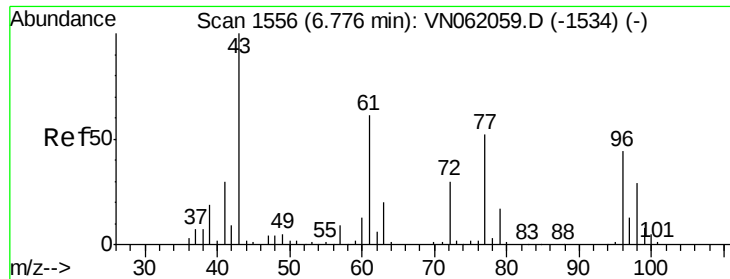
Ion Ratio Lower Upper

96 100

61 92.9 101.4 152.2#

98 0.0 49.3 73.9#





#27

cis-1,2-Dichloroethene

Concen: 50.968 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

20BR-20200622DL

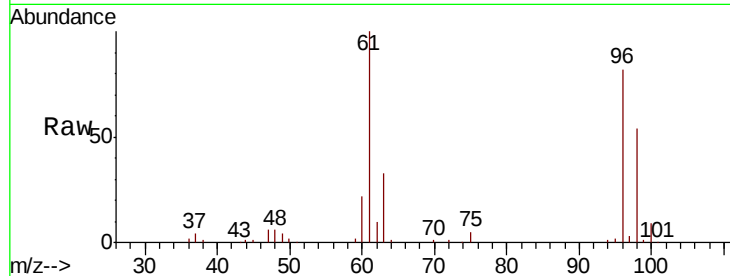
Tot Ion: 96 Resp: 147117

Ion Ratio Lower Upper

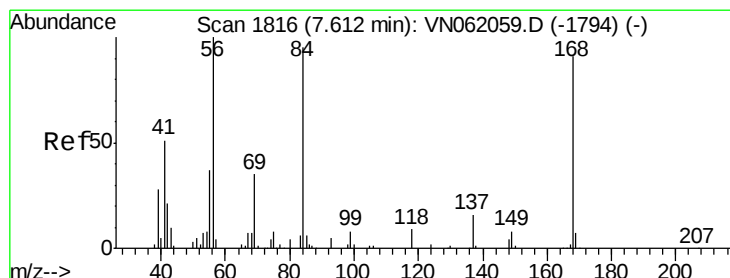
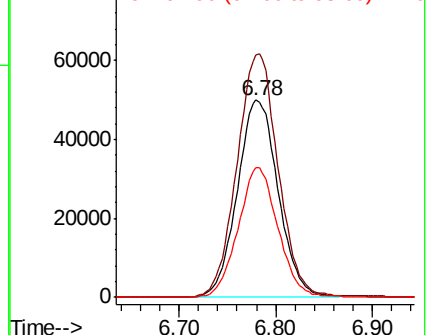
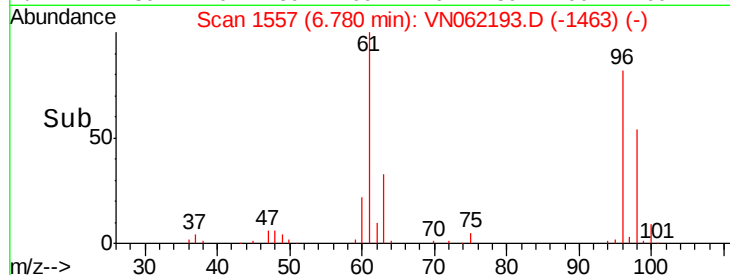
96 100

61 124.0 0.0 280.4

98 63.8 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062193.D (-1463) (-)



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

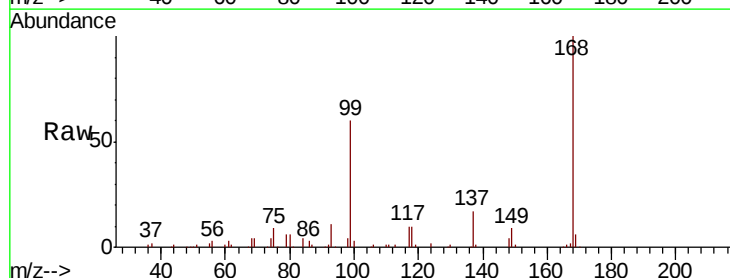
Tgt Ion: 56 Resp: 4783

Ion Ratio Lower Upper

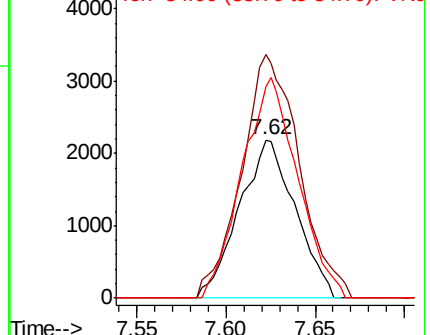
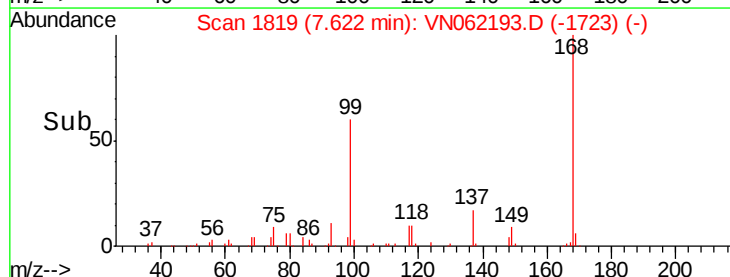
56 100

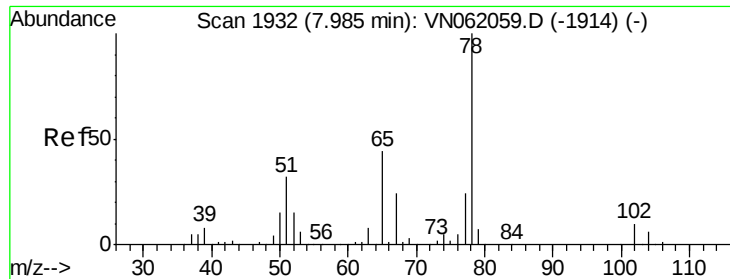
69 154.1 28.0 42.0#

84 133.9 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062193.D (-1723) (-)

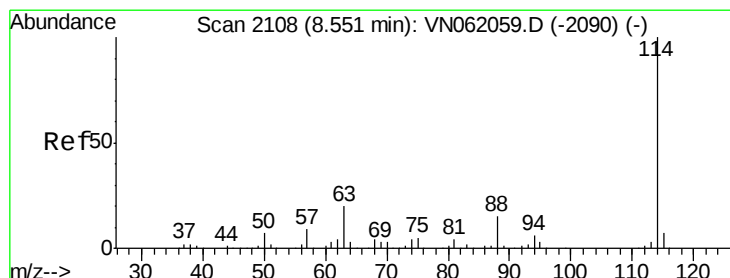
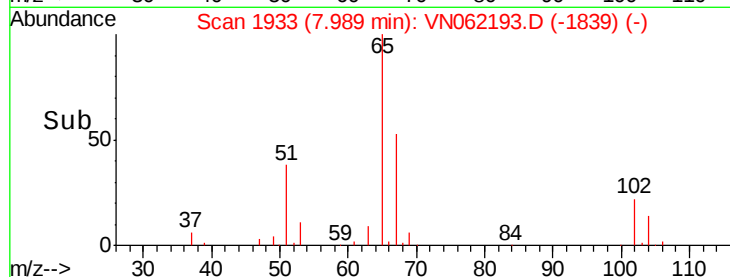
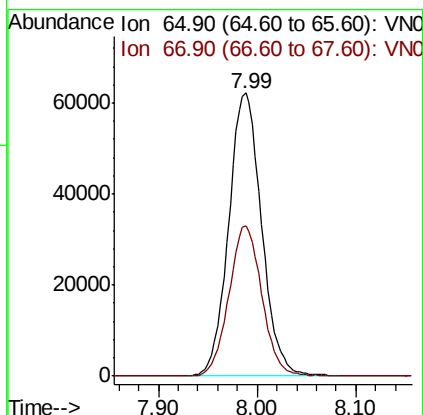
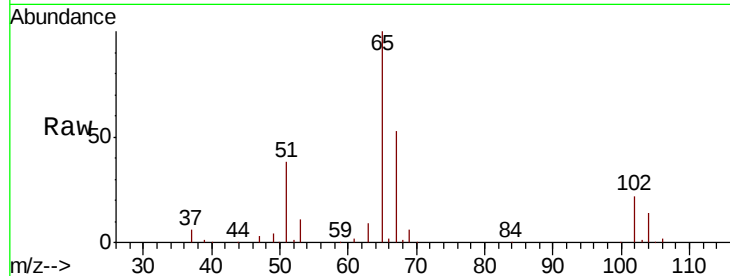




#33
 1,2-Dichloroethane-d4
 Concen: 52.624 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062193.D
 Acq: 29 Jun 2020 17:19

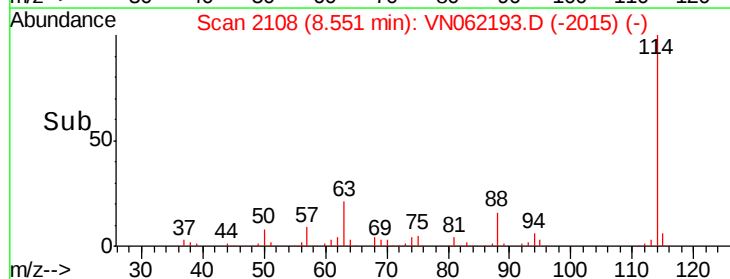
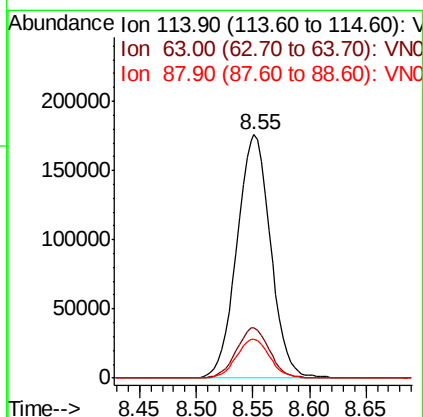
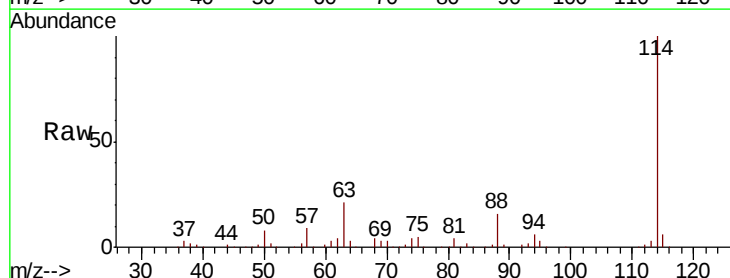
Instrument :
 MSVOA_N
 ClientSampleId :
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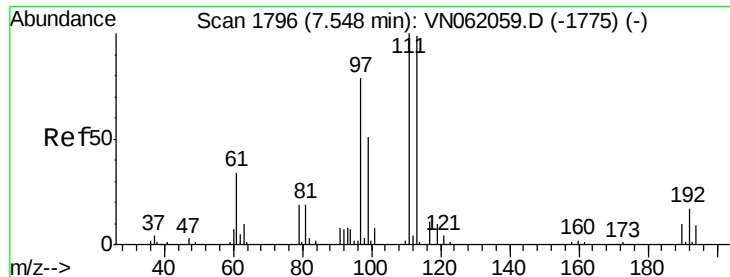
Tot Ion: 65 Resp: 144818
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062193.D
 Acq: 29 Jun 2020 17:19

Tgt Ion: 114 Resp: 364443
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.2
 88 16.1 0.0 30.8

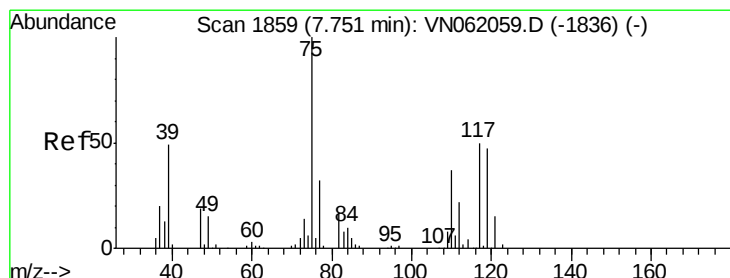
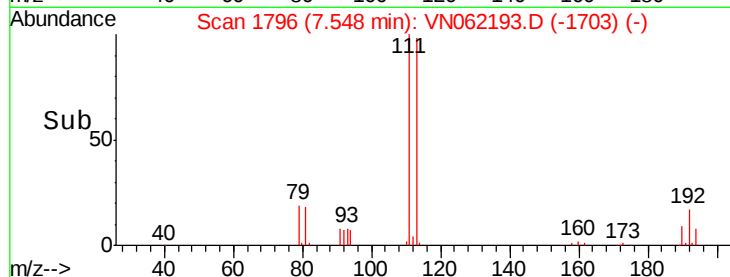
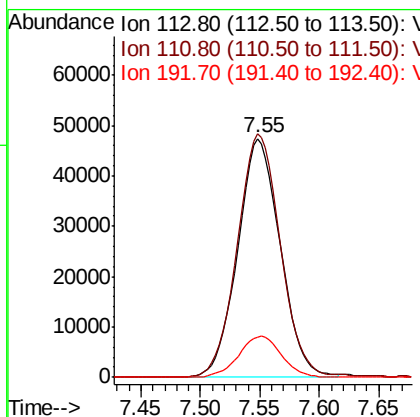
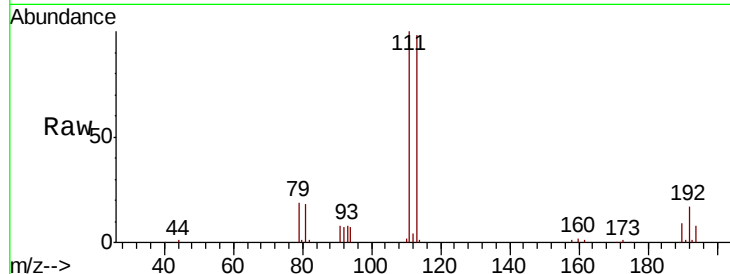




#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062193.D
Acq: 29 Jun 2020 17:19

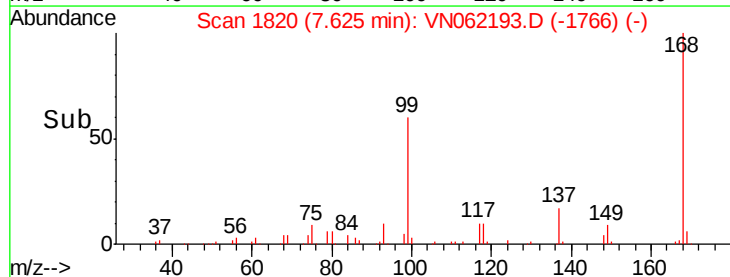
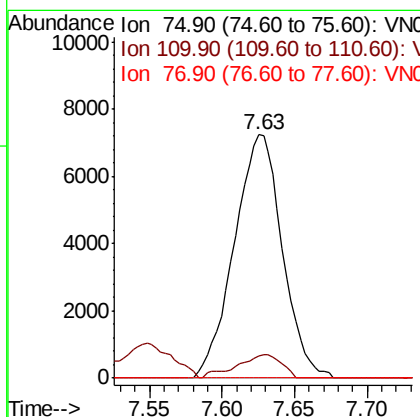
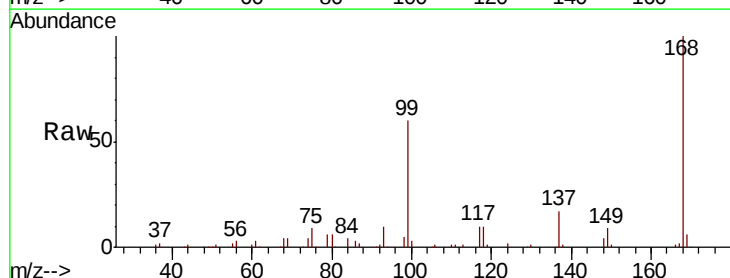
Instrument :
MSVOA_N
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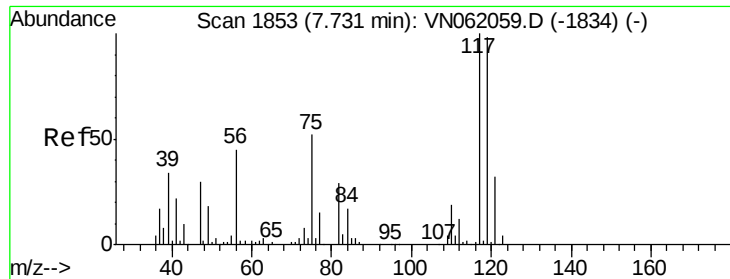
Tot Ion:113 Resp: 117462
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 17.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062193.D
Acq: 29 Jun 2020 17:19

Tgt Ion: 75 Resp: 16654
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.647 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

20BR-20200622DL

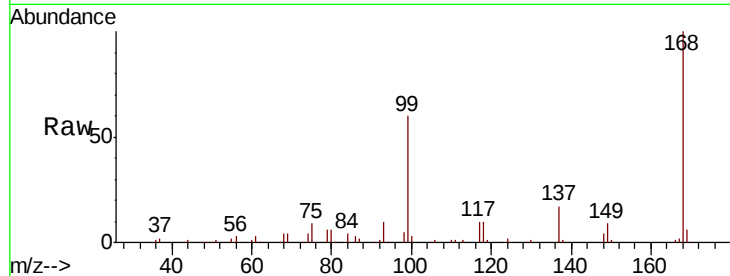
Tot Ion:117 Resp: 19504

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

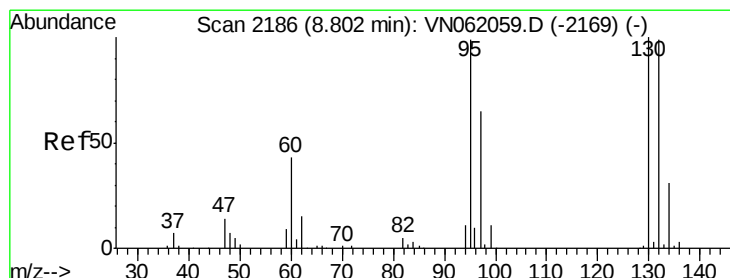
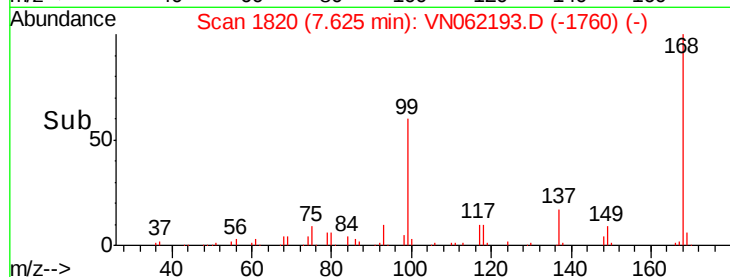
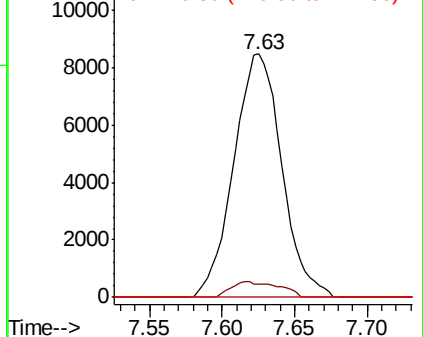
121 0.0 25.8 38.6#



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



#44

Trichloroethene

Concen: 9.930 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062193.D

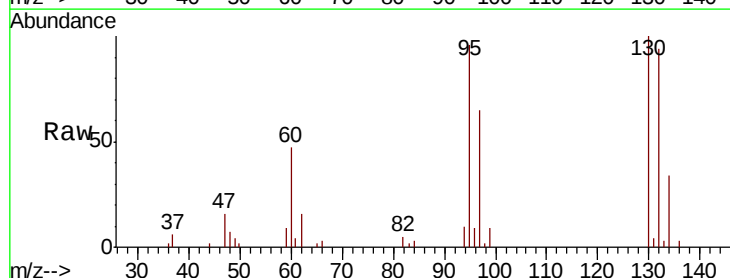
Acq: 29 Jun 2020 17:19

Tgt Ion:130 Resp: 27967

Ion Ratio Lower Upper

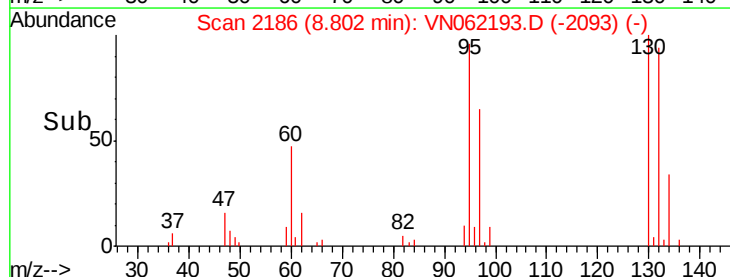
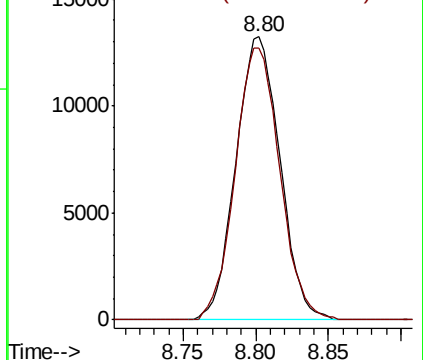
130 100

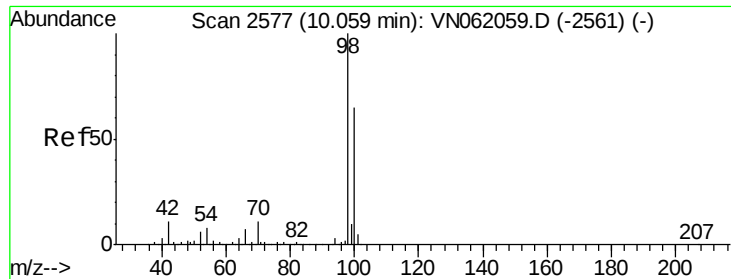
95 96.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.609 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

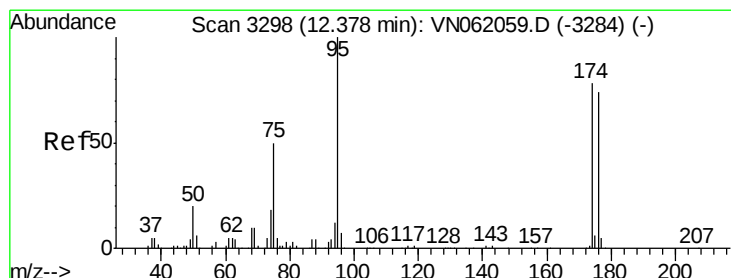
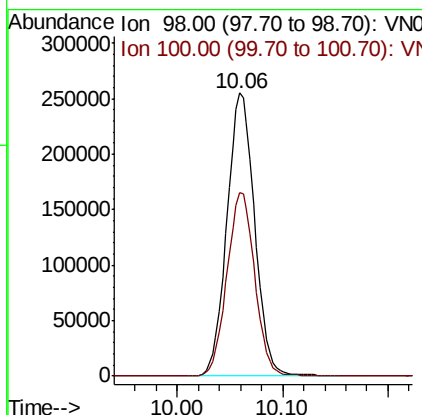
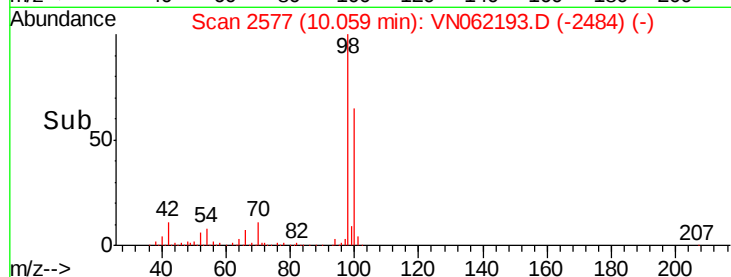
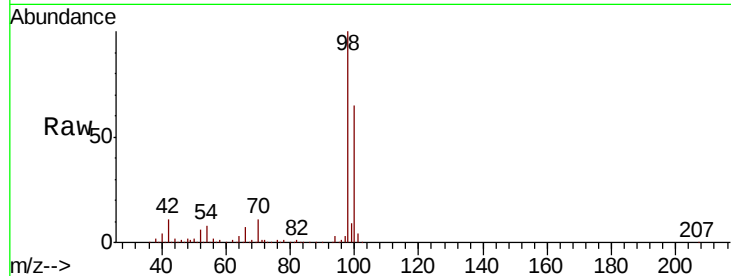
20BR-20200622DL

Tot Ion: 98 Resp: 463647

Ion Ratio Lower Upper

98 100

100 65.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.179 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

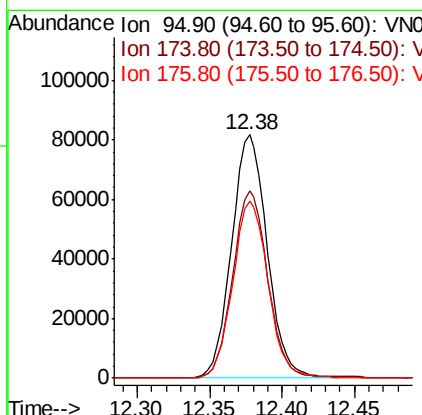
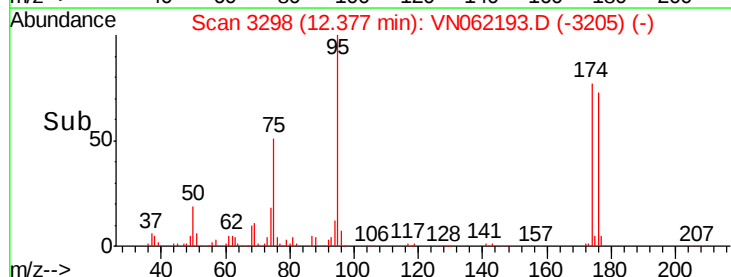
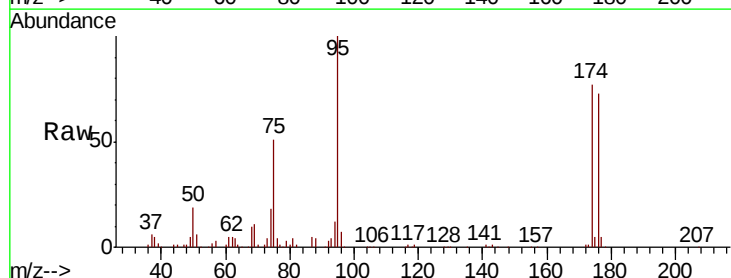
Tgt Ion: 95 Resp: 139500

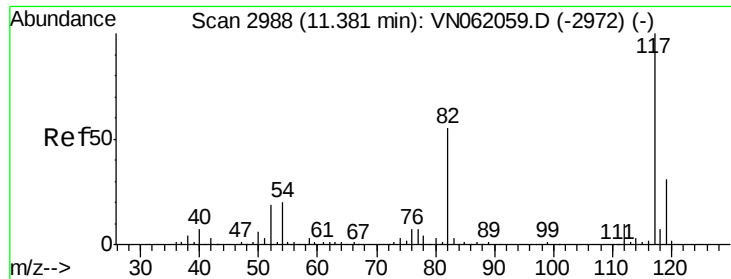
Ion Ratio Lower Upper

95 100

174 75.7 0.0 154.8

176 72.4 0.0 147.4

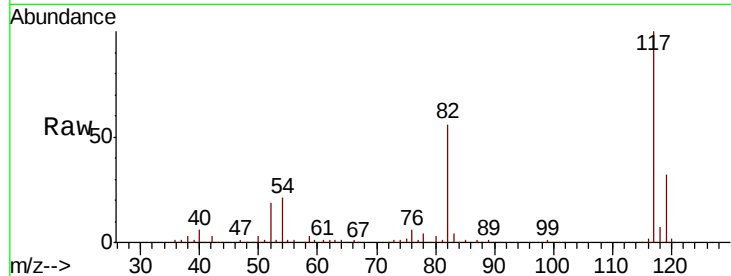




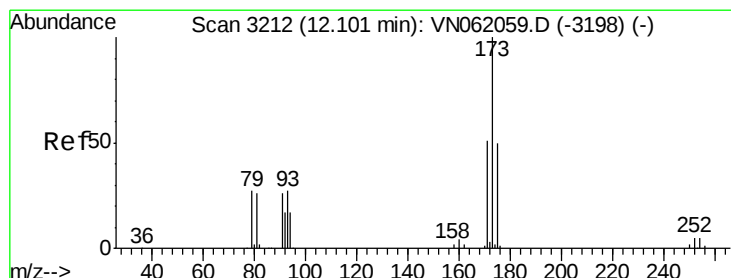
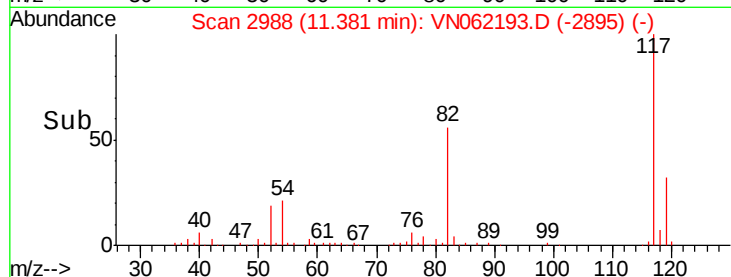
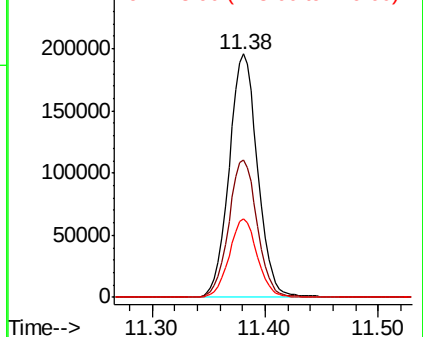
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062193.D
Acq: 29 Jun 2020 17:19

Instrument :
MSVOA_N
ClientSampleId :
20BR-20200622DL

Tot Ion:117 Resp: 342931
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 32.4 25.2 37.8

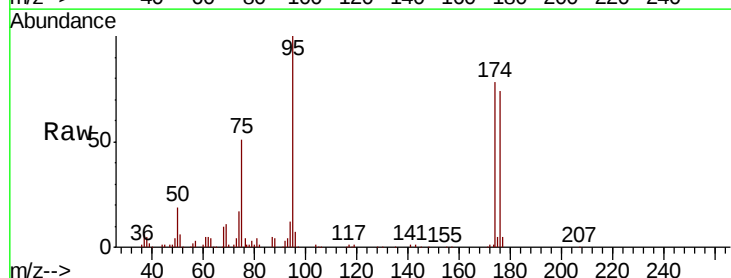


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

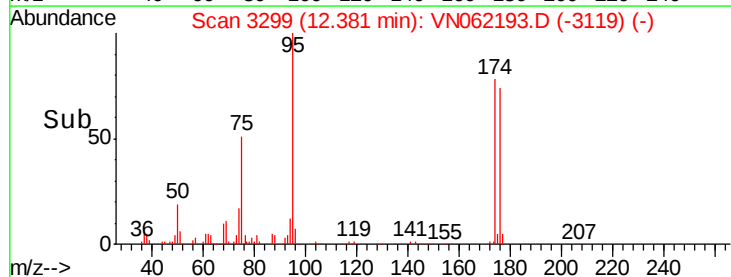
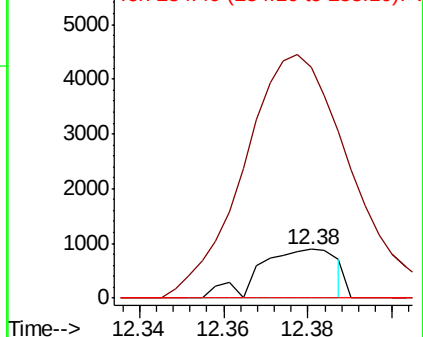


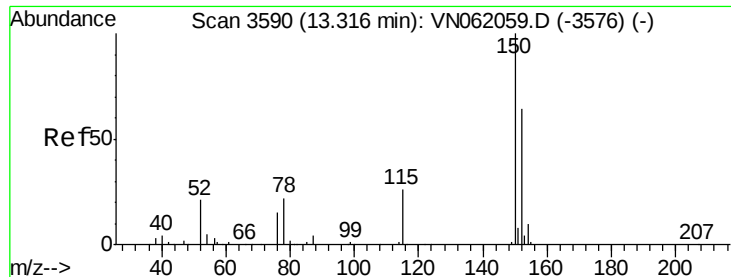
#71
Bromoform
Concen: 0.616 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062193.D
Acq: 29 Jun 2020 17:19

Tgt Ion:173 Resp: 1140
Ion Ratio Lower Upper
173 100
175 561.7 24.7 74.1#
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# 3591

Delta R.T. 0.00 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

20BR-20200622DL

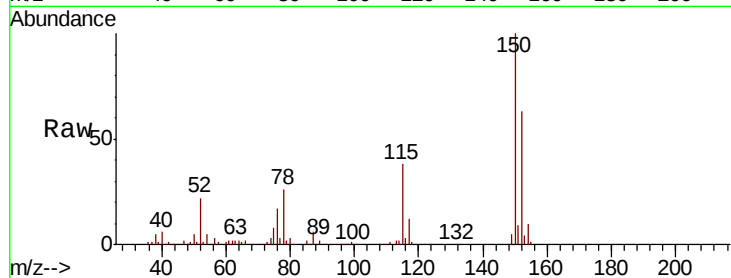
Tot Ion:152 Resp: 113094

Ion Ratio Lower Upper

152 100

115 60.3 29.5 88.5

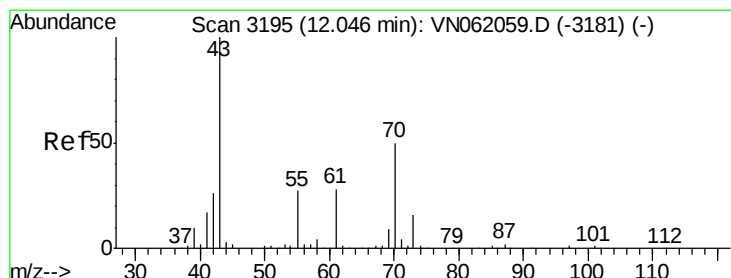
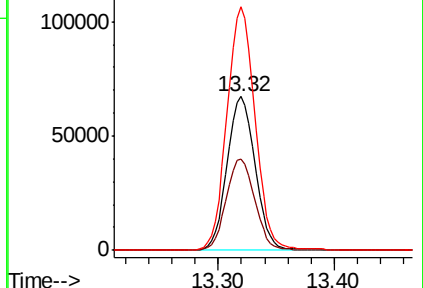
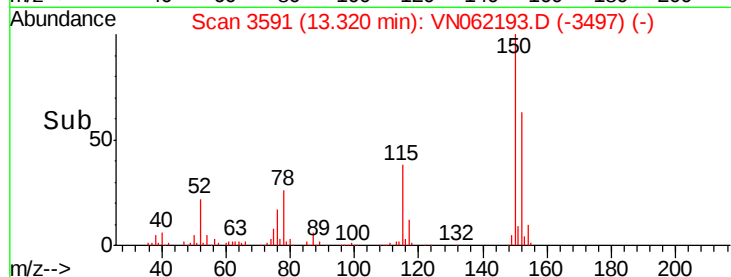
150 157.7 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.362 ug/l

RT: 11.76 min Scan# 3105

Delta R.T. -0.29 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Tgt Ion: 43 Resp: 64

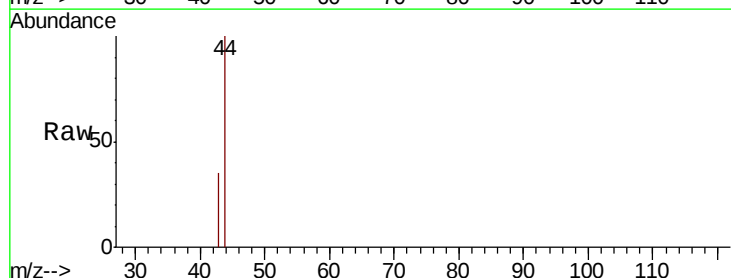
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

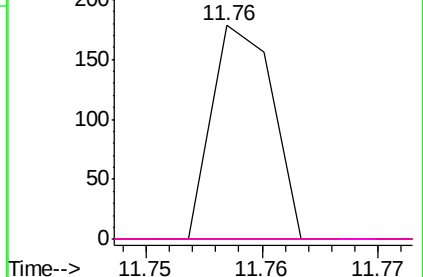
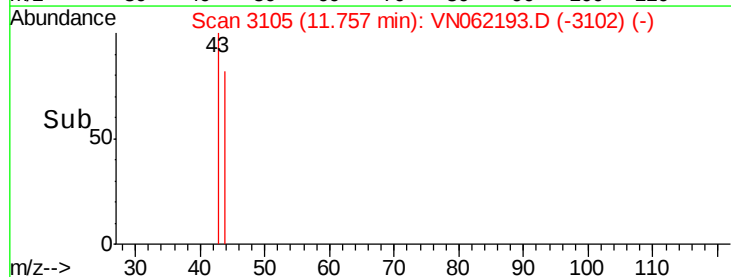


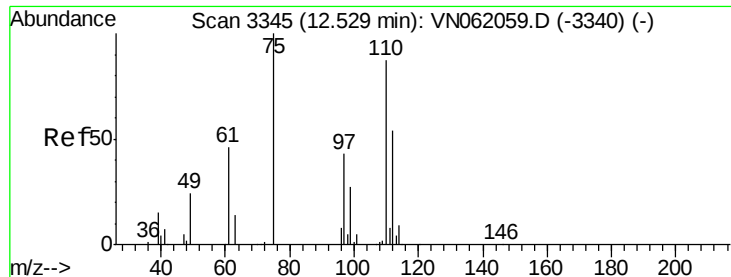
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.984 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

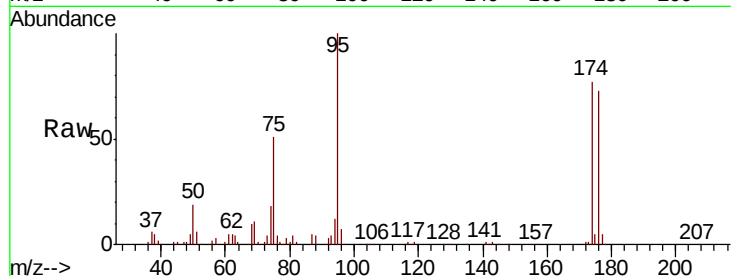
20BR-20200622DL

Tot Ion: 75 Resp: 71841

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

40000

30000

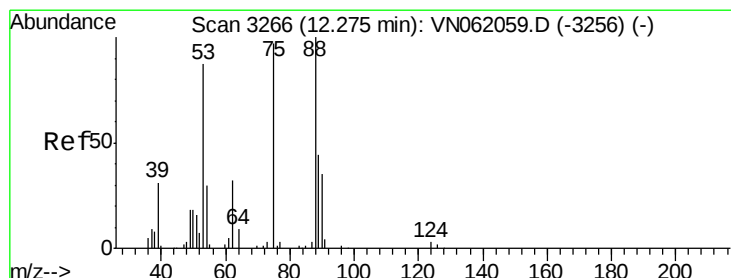
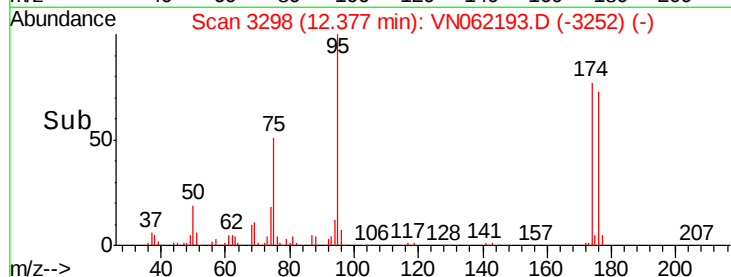
20000

10000

0

Time-->

12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 78.804 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062193.D

Acq: 29 Jun 2020 17:19

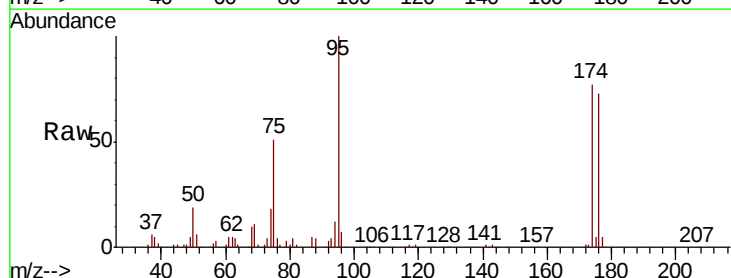
Tgt Ion: 75 Resp: 71841

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



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

12.38

40000

30000

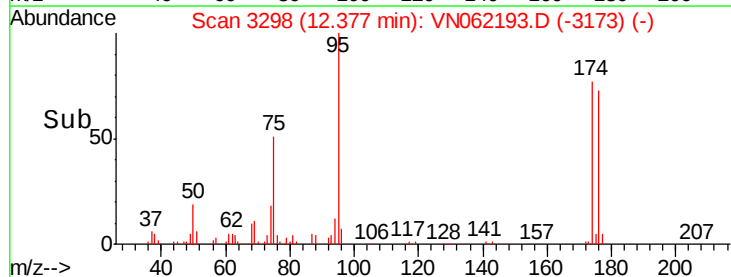
20000

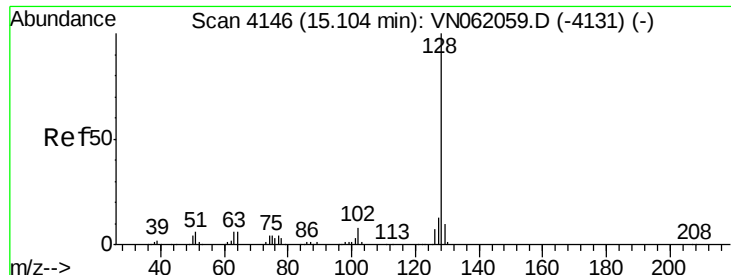
10000

0

Time-->

12.30 12.35 12.40 12.45





#95

Naphthalene

Concen: 4.011 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062193.D

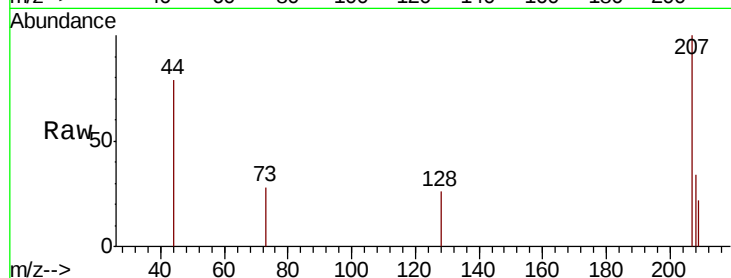
Acq: 29 Jun 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

20BR-20200622DL



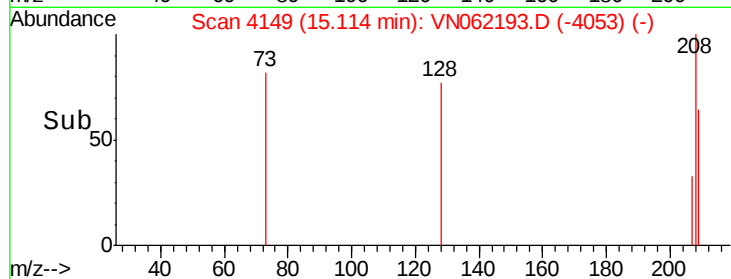
Tot Ion:128 Resp: 97

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

