

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062188.D
 Acq On : 29 Jun 2020 15:17
 Operator : JC/MD
 Sample : L3088-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20200622DL

Quant Time: Jun 30 04:26:39 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	212165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146375	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	155096	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.55	113	127644	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.06	98	515539	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.38	95	169630	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

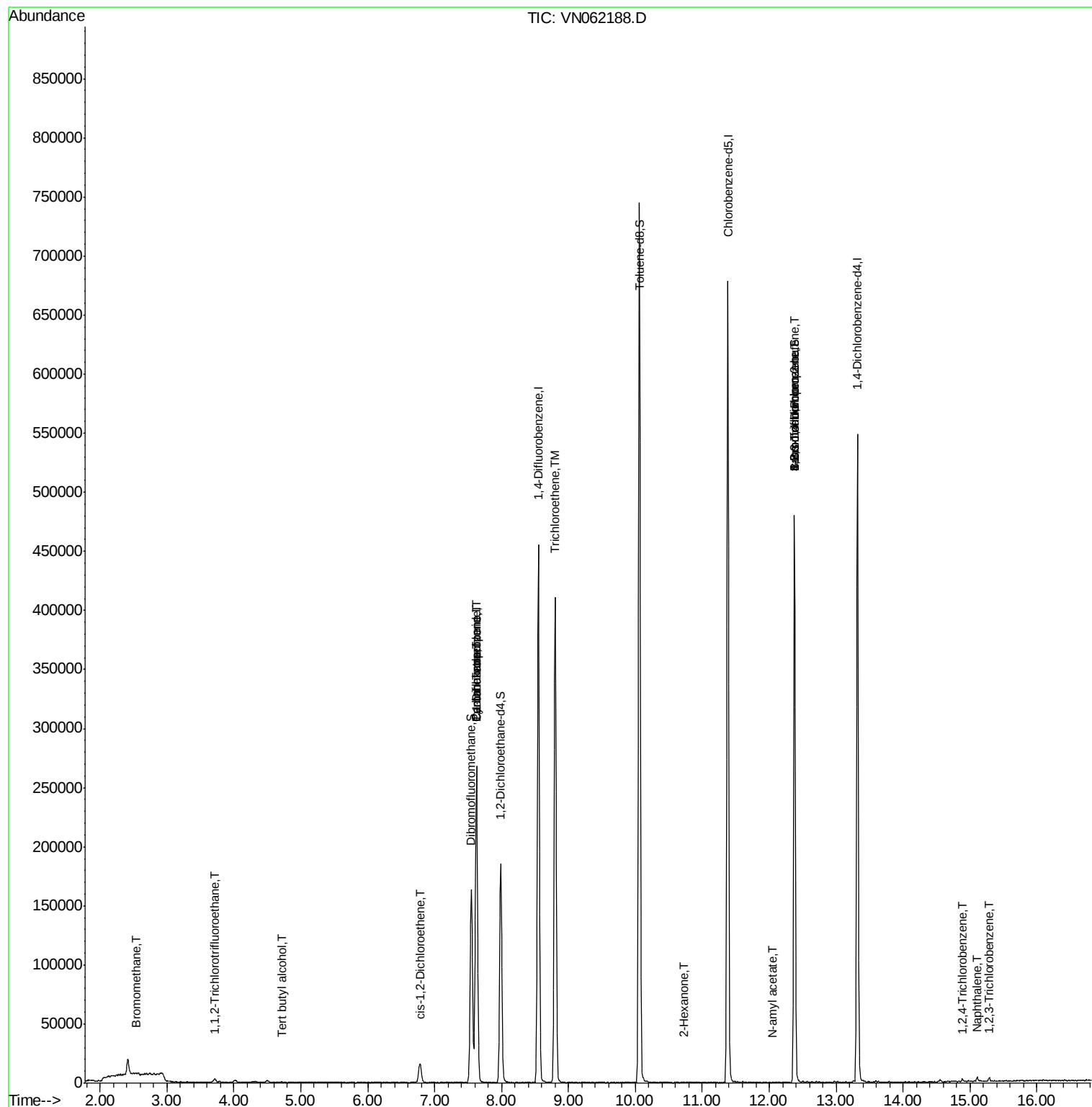
					Qvalue	
3) Chloromethane	2.04	50	316	Below Cal	#	41
5) Bromomethane	2.54	94	532	0.218	ug/l #	30
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1790	0.735	ug/l #	77
11) Tert butyl alcohol	4.72	59	166	0.388	ug/l #	72
16) Acetone	3.79	43	996	Below Cal	#	40
27) cis-1,2-Dichloroethene	6.79	96	8963	2.870	ug/l	88
31) Cyclohexane	7.62	56	4982	1.211	ug/l #	2
36) 1,1-Dichloropropene	7.63	75	17481	4.286	ug/l #	48
38) Carbon Tetrachloride	7.62	117	21391	5.562	ug/l #	17
44) Trichloroethene	8.80	130	152087	48.494	ug/l	100
59) 2-Hexanone	10.73	43	733	0.316	ug/l #	32
71) Bromoform	12.37	173	1225	0.583	ug/l #	1
74) N-amyl acetate	12.05	43	236	3.396	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	87342	25.347	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	87342	74.024	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.89	180	793	0.379	ug/l #	82
95) Naphthalene	15.11	128	4556	4.596	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.29	180	1382	0.646	ug/l	83

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062920\
Data File : VN062188.D
Acq On : 29 Jun 2020 15:17
Operator : JC/MD
Sample : L3088-01DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
08BR-20200622DL

Quant Time: Jun 30 04:26:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

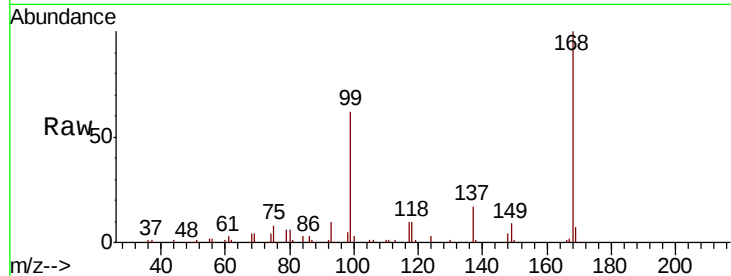
08BR-20200622DL

Tot Ion:168 Resp: 212165

Ion Ratio Lower Upper

168 100

99 61.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062188.D

Ion 98.90 (98.60 to 99.60): VN062188.D

7.63

100000

80000

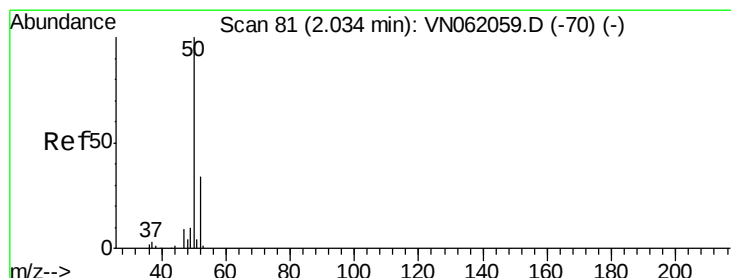
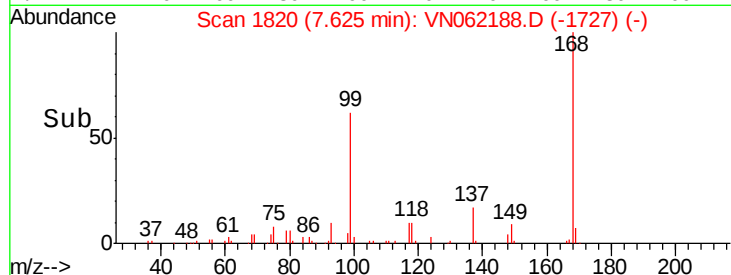
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062188.D

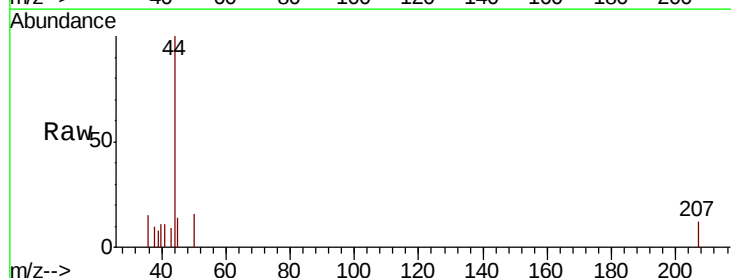
Acq: 29 Jun 2020 15:17

Tgt Ion: 50 Resp: 316

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062188.D

Ion 51.90 (51.60 to 52.60): VN062188.D

2.04

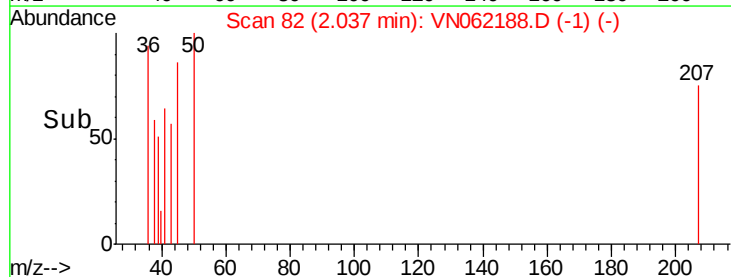
300

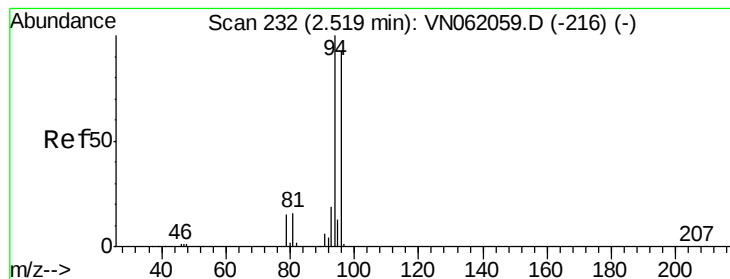
200

100

0

Time--> 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.218 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.02 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

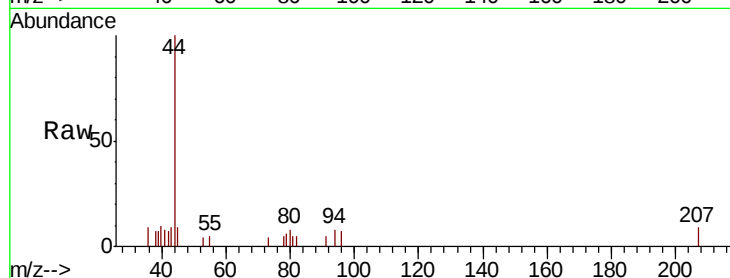
08BR-20200622DL

Tot Ion: 94 Resp: 532

Ion Ratio Lower Upper

94 100

96 25.6 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

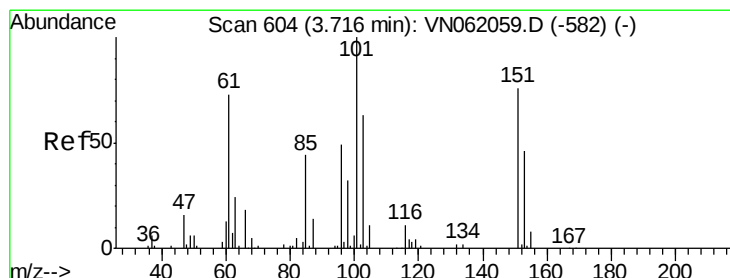
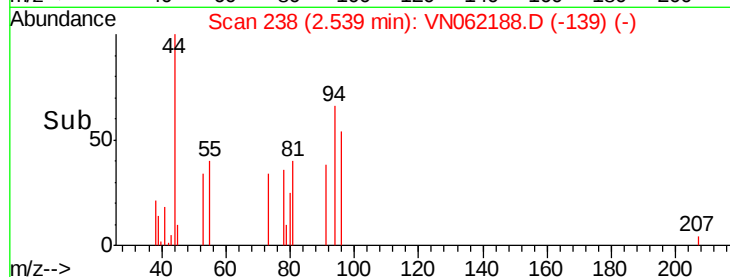
300

200

100

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.735 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

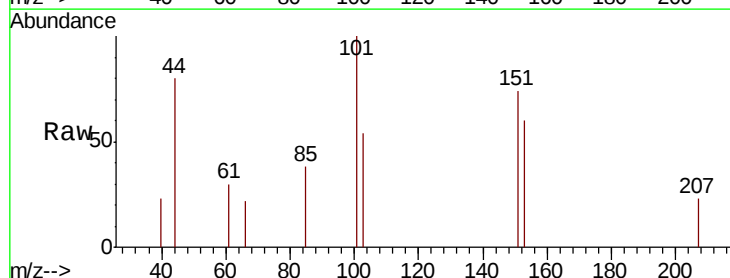
Tgt Ion: 101 Resp: 1790

Ion Ratio Lower Upper

101 100

85 21.6 34.5 51.7#

151 58.7 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

800

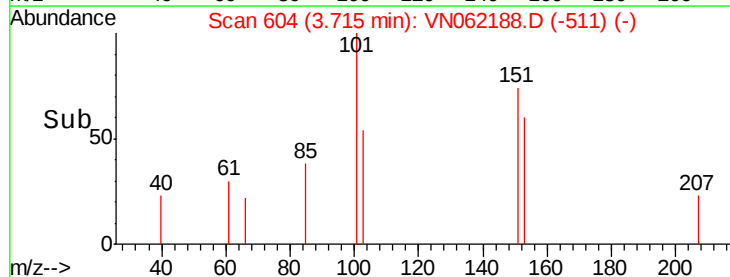
600

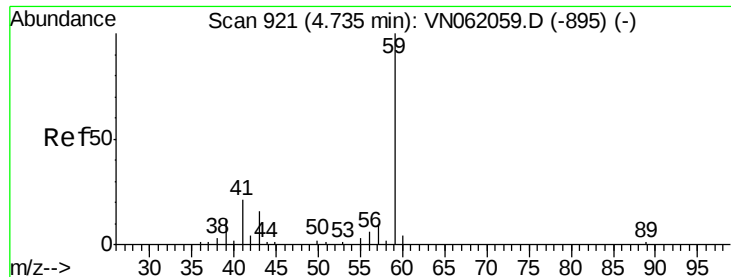
400

200

0

Time-->



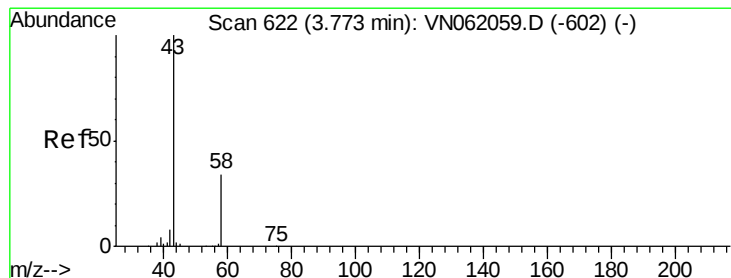
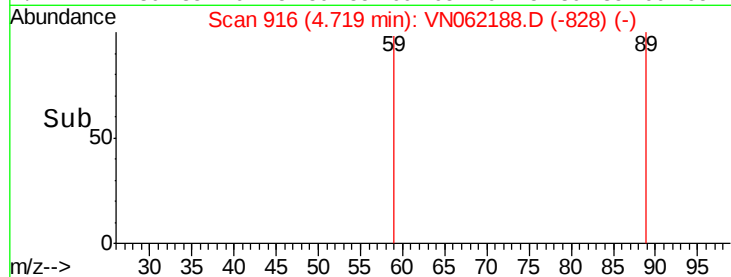
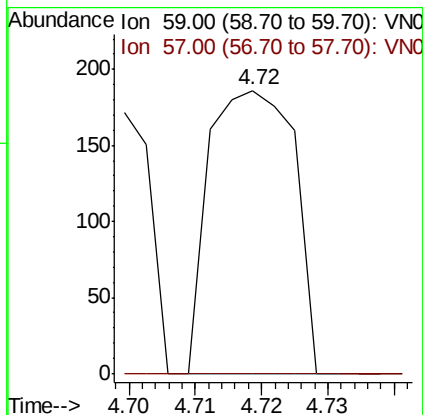
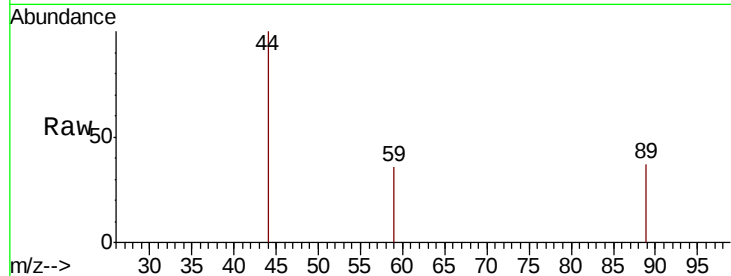


#11

Tert butyl alcohol
 Concen: 0.388 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: VN062188.D
 Acq: 29 Jun 2020 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20200622DL

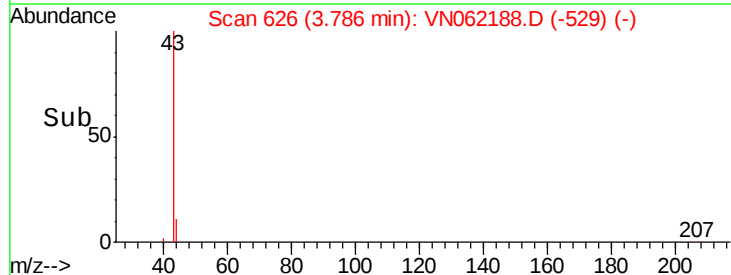
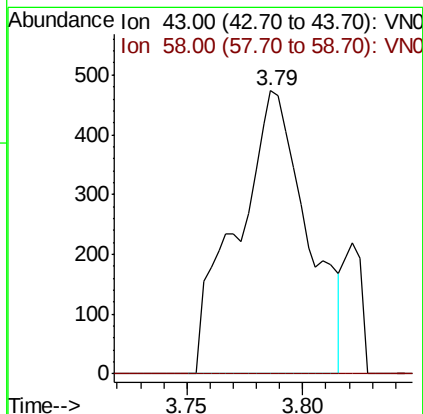
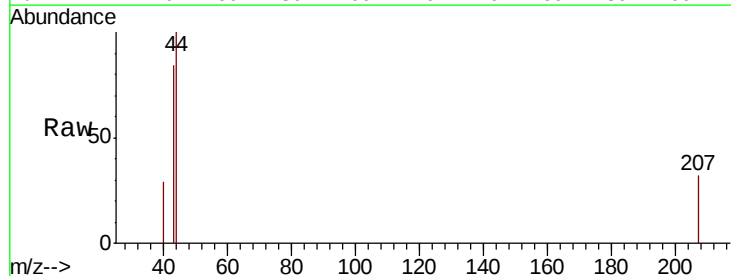
Tot Ion: 59 Resp: 166
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

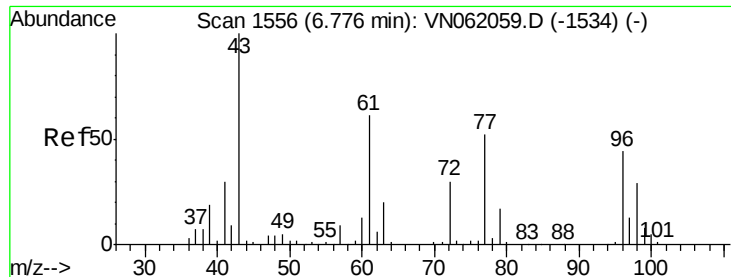


#16

Acetone
 Concen: Below Cal
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN062188.D
 Acq: 29 Jun 2020 15:17

Tgt Ion: 43 Resp: 996
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 41.3#





#27

cis-1,2-Dichloroethene

Concen: 2.870 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622DL

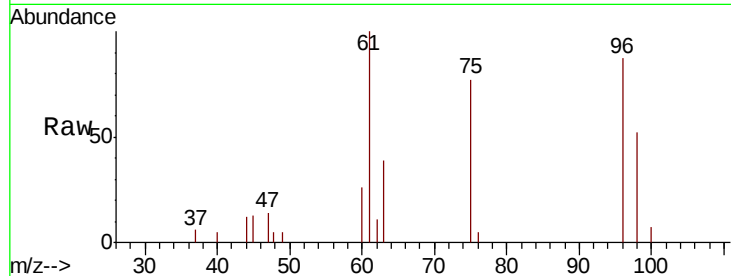
Tot Ion: 96 Resp: 8963

Ion Ratio Lower Upper

96 100

61 120.5 0.0 280.4

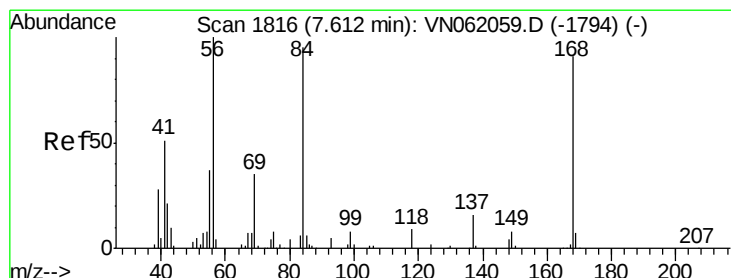
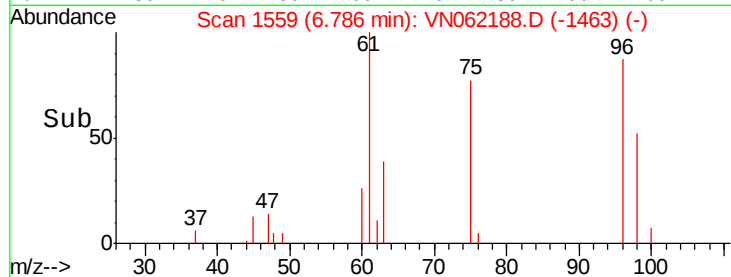
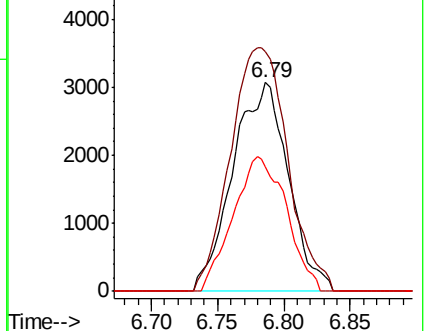
98 61.8 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062059.D (-1534) (-)

Ion 60.90 (60.60 to 61.60): VN062059.D (-1534) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1534) (-)



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

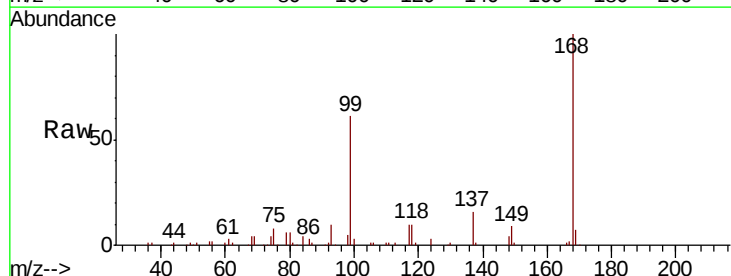
Tgt Ion: 56 Resp: 4982

Ion Ratio Lower Upper

56 100

69 158.5 28.0 42.0#

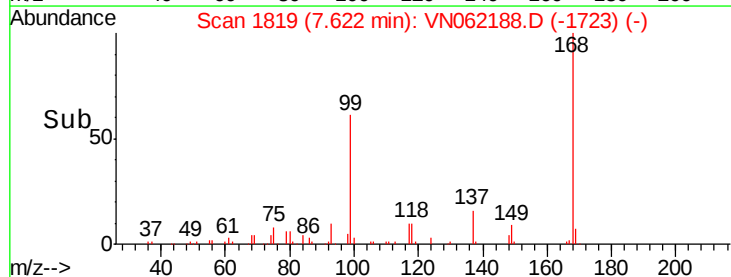
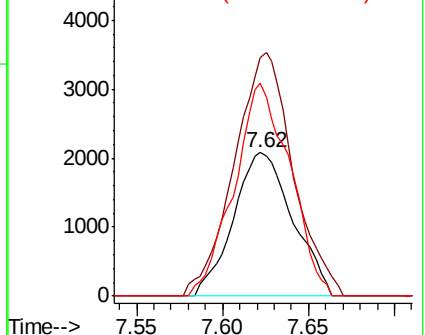
84 148.8 76.1 114.1#

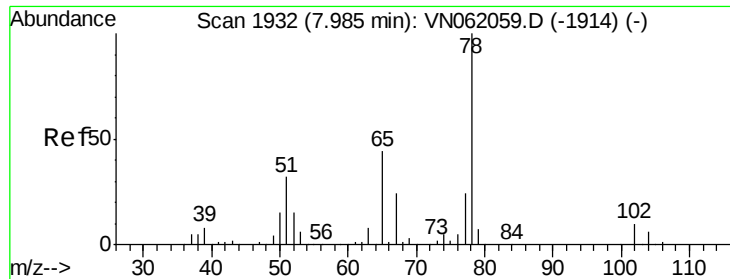


Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062059.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062059.D (-1794) (-)

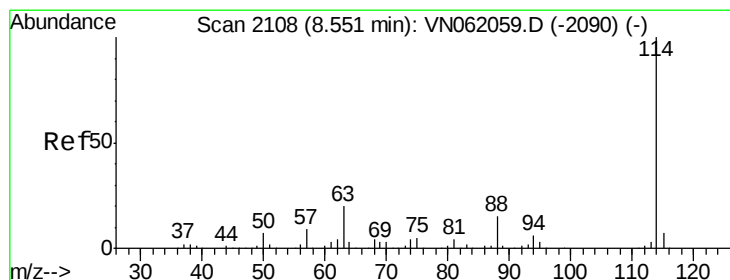
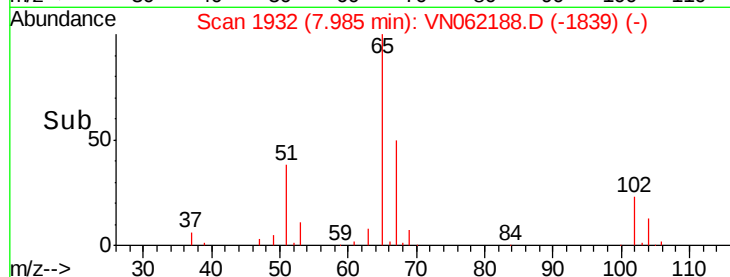
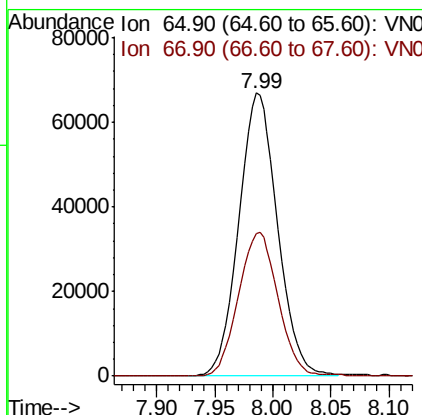
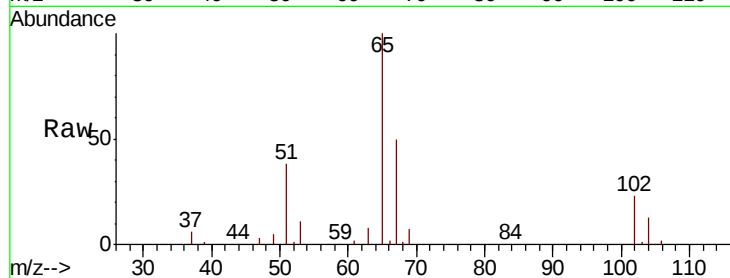




#33
 1,2-Dichloroethane-d4
 Concen: 52.091 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062188.D
 Acq: 29 Jun 2020 15:17

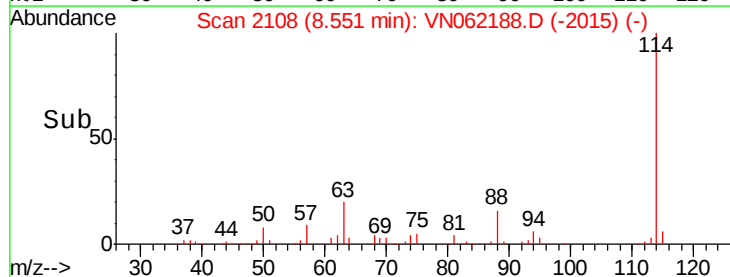
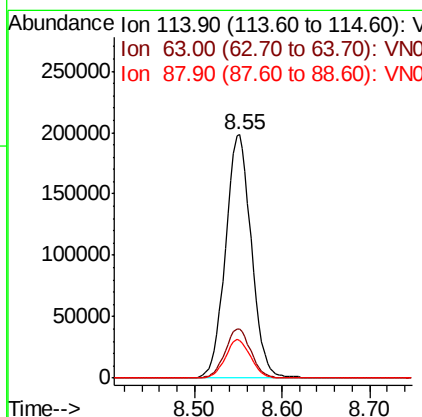
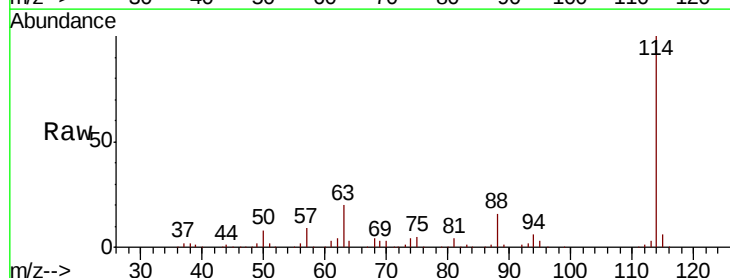
Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20200622DL

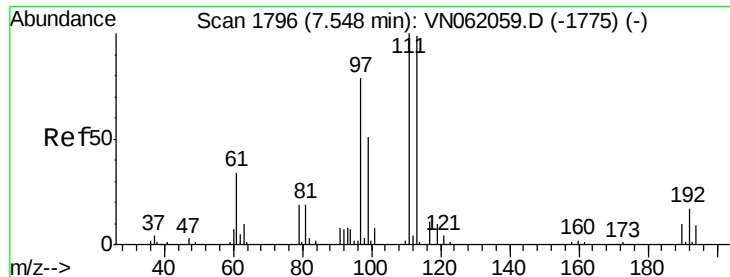
Tot Ion: 65 Resp: 155096
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062188.D
 Acq: 29 Jun 2020 15:17

Tgt Ion: 114 Resp: 405811
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 15.7 0.0 30.8

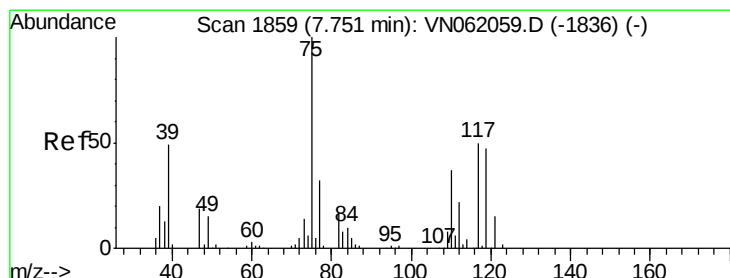
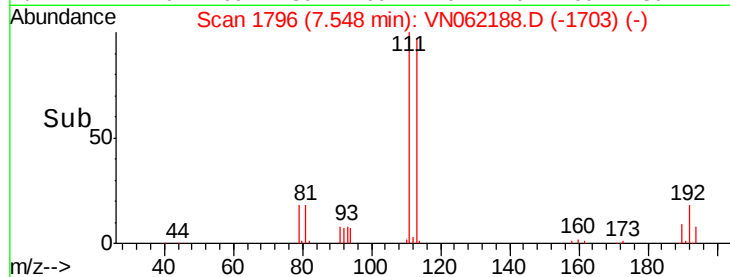
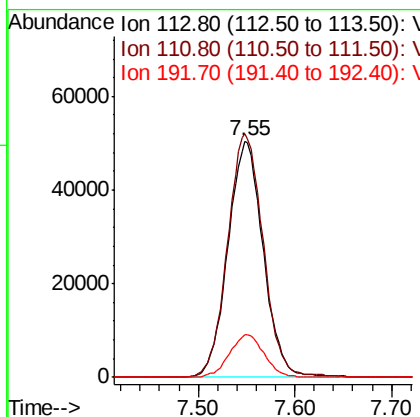
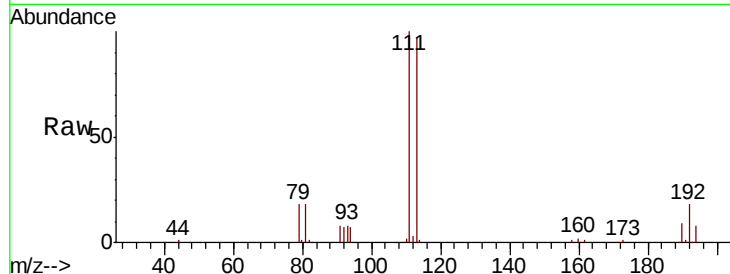




#35
 Dibromofluoromethane
 Concen: 49.028 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062188.D
 Acq: 29 Jun 2020 15:17

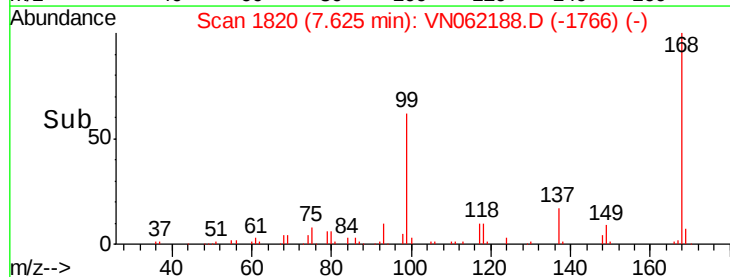
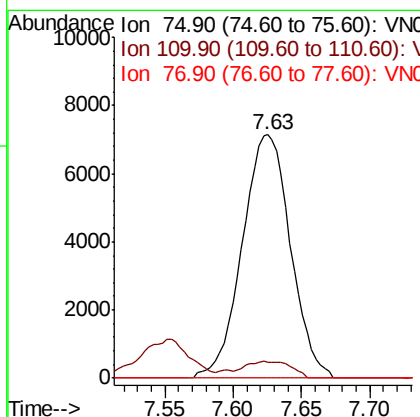
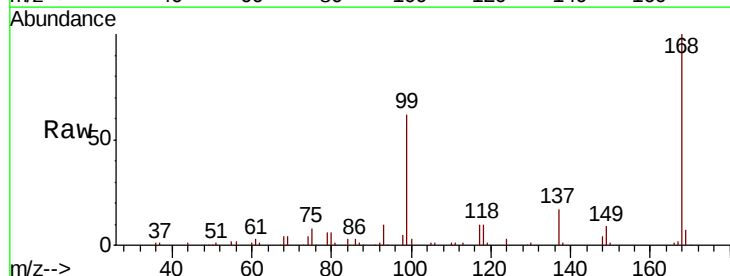
Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20200622DL

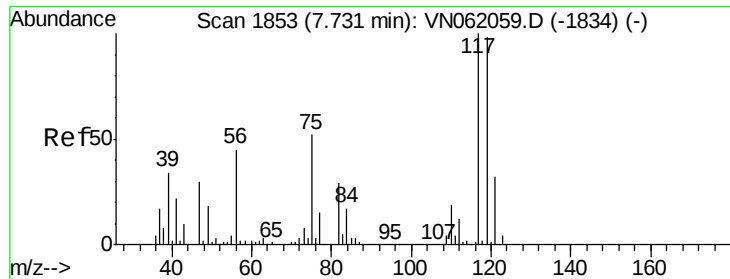
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.7	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.286 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062188.D
 Acq: 29 Jun 2020 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622DL

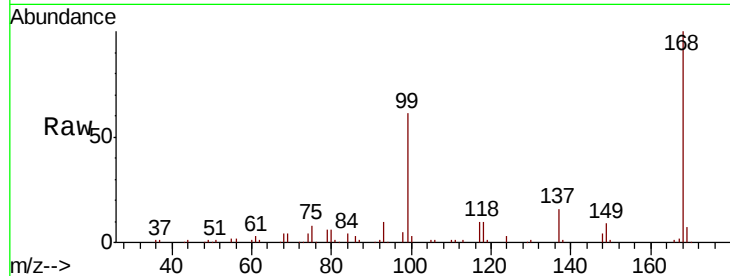
Tot Ion:117 Resp: 21391

Ion Ratio Lower Upper

117 100

119 7.7 78.2 117.2#

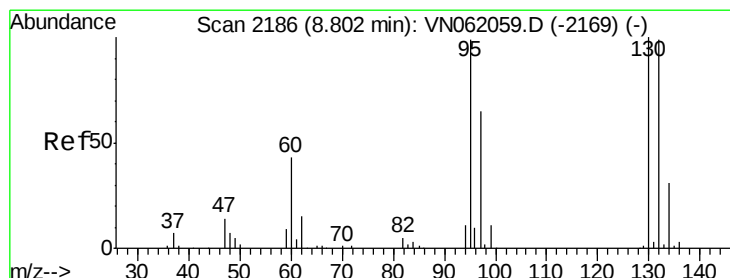
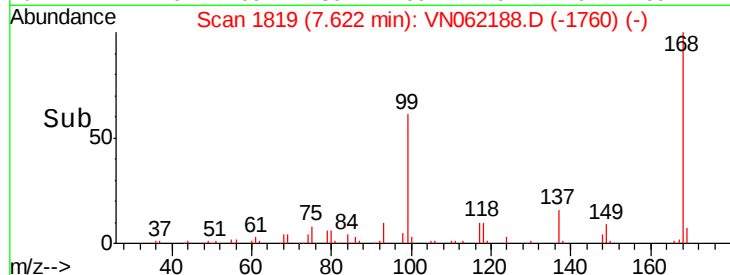
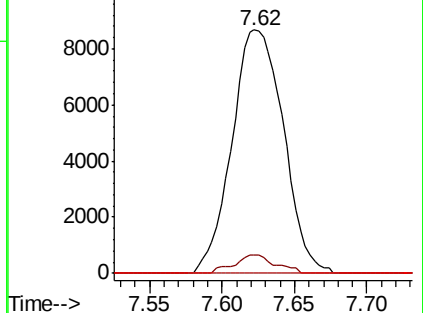
121 0.0 25.8 38.6#



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: 48.494 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062188.D

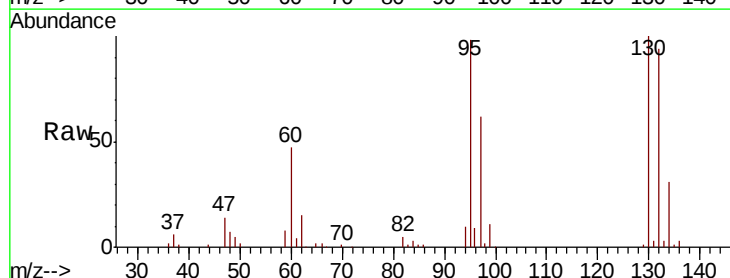
Acq: 29 Jun 2020 15:17

Tgt Ion:130 Resp: 152087

Ion Ratio Lower Upper

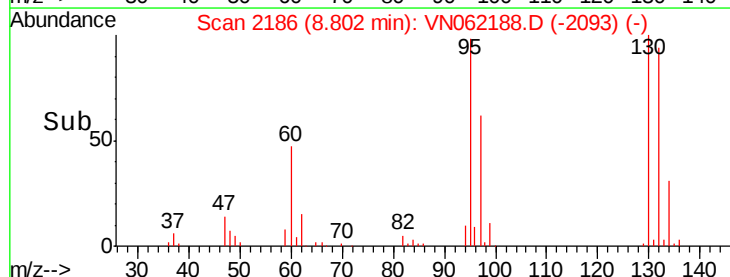
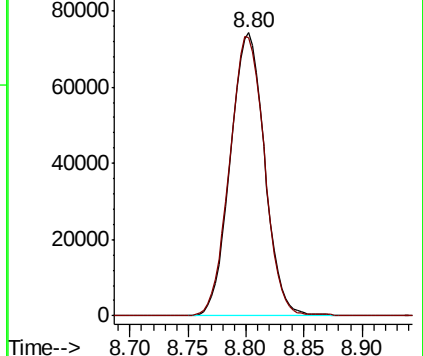
130 100

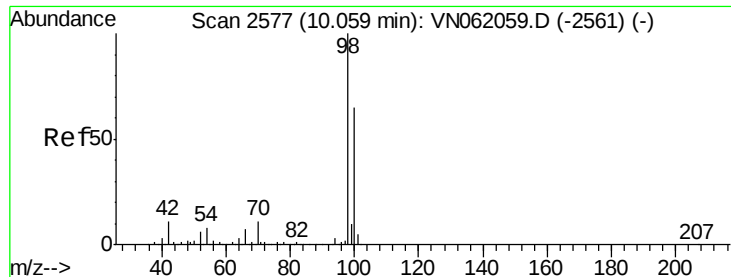
95 98.4 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.538 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

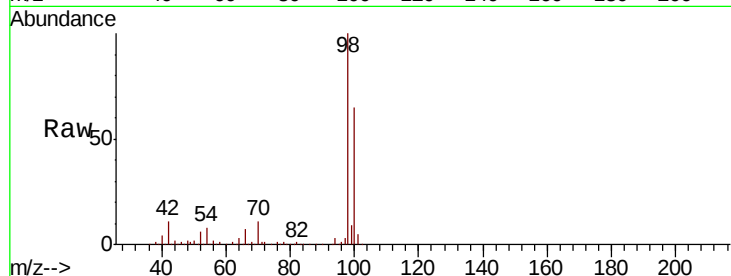
08BR-20200622DL

Tot Ion: 98 Resp: 515539

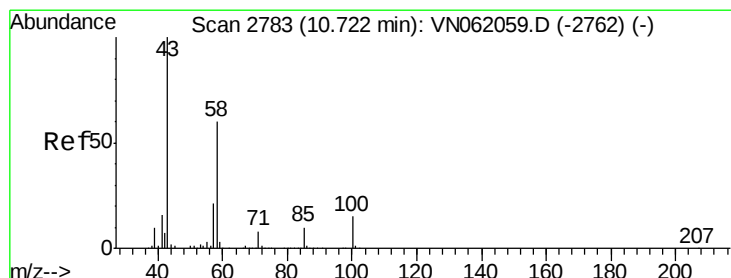
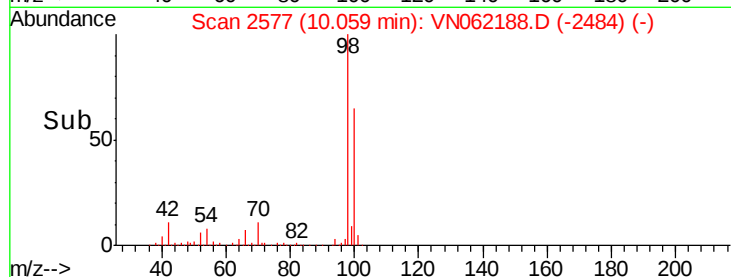
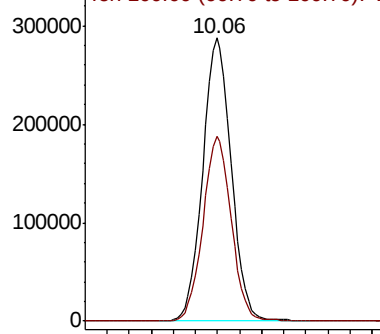
Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062188.D (-2561) (-)



#59

2-Hexanone

Concen: 0.316 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062188.D

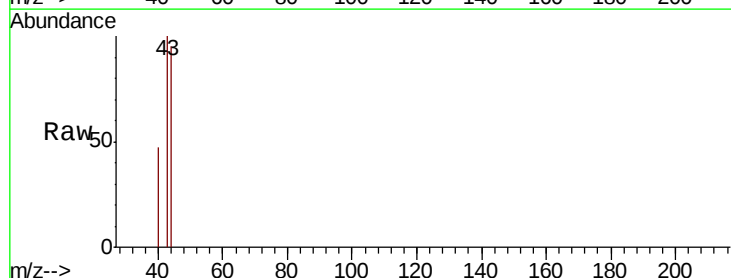
Acq: 29 Jun 2020 15:17

Tgt Ion: 43 Resp: 733

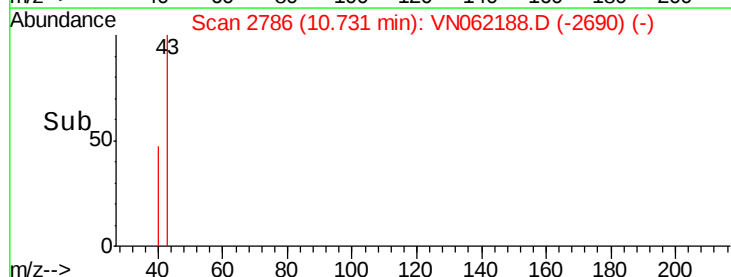
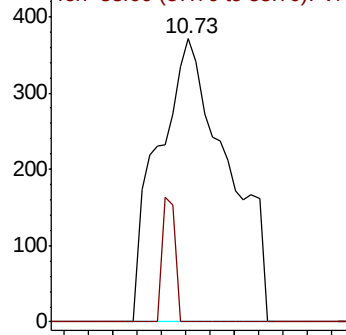
Ion Ratio Lower Upper

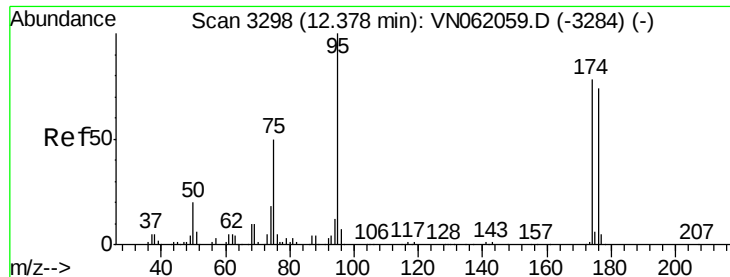
43 100

58 8.3 29.5 88.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062188.D (-2690) (-)

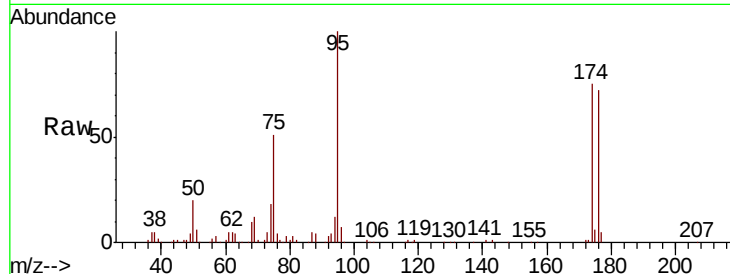




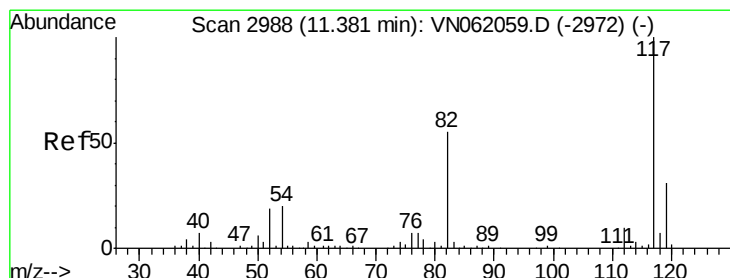
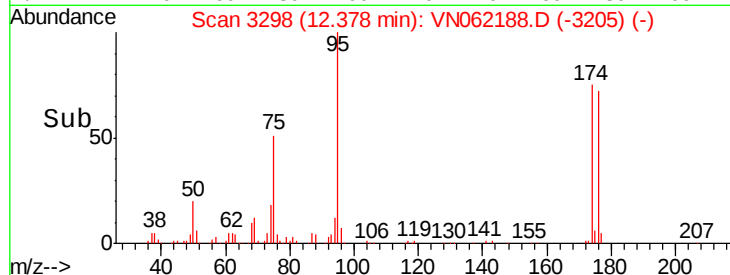
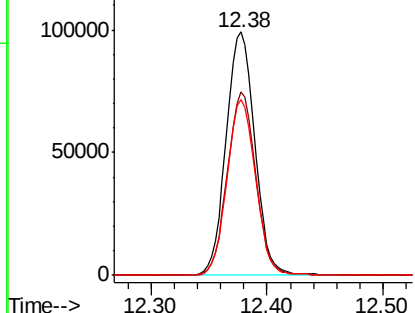
#62
4-Bromofluorobenzene
Concen: 48.244 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062188.D
Acq: 29 Jun 2020 15:17

Instrument :
MSVOA_N
ClientSampleId :
08BR-20200622DL

Tot Ion: 95 Resp: 169630
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.8
176 71.5 0.0 147.4

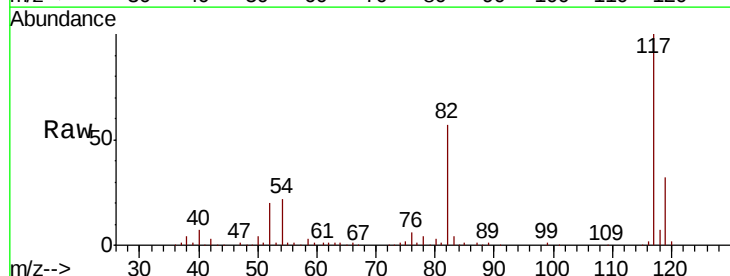


Abundance Ion 94.90 (94.60 to 95.60): VN062188.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062188.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062188.D (-3205) (-)

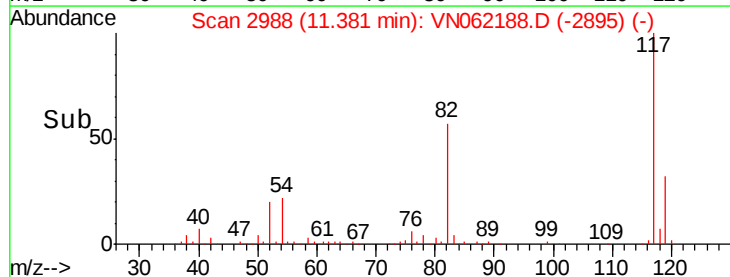
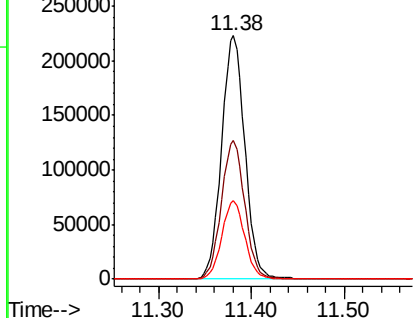


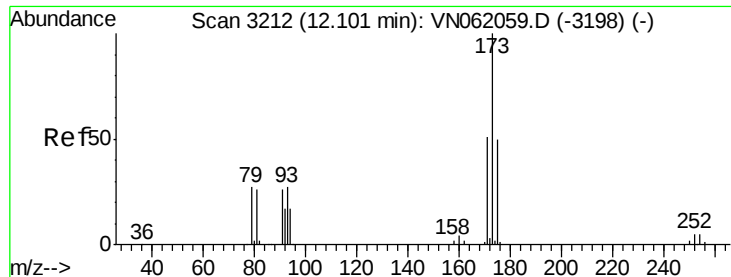
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062188.D
Acq: 29 Jun 2020 15:17

Tgt Ion: 117 Resp: 389317
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.8
119 32.3 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062188.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062188.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062188.D (-2895) (-)





#71

Bromoform

Concen: 0.583 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622DL

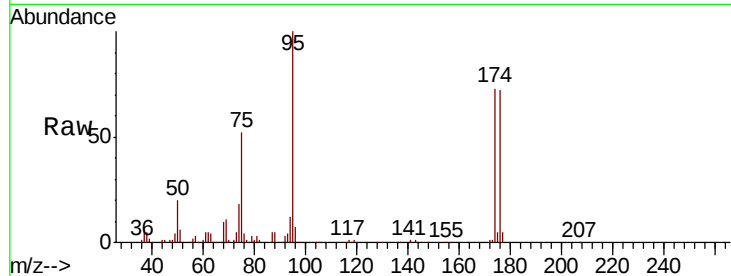
Tot Ion:173 Resp: 1225

Ion Ratio Lower Upper

173 100

175 631.3 24.7 74.1#

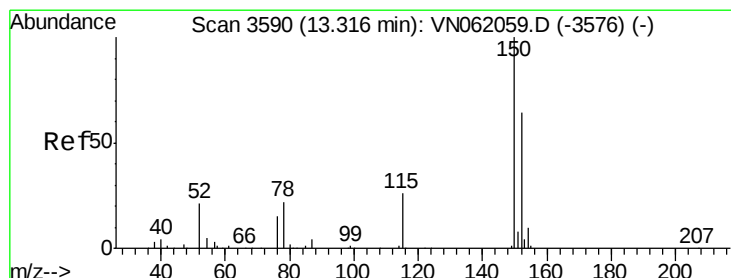
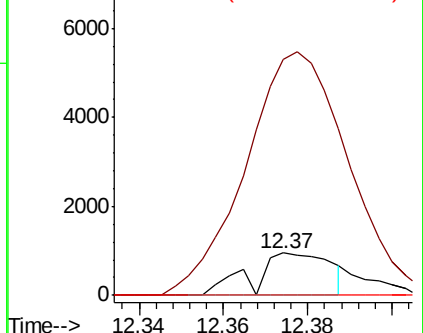
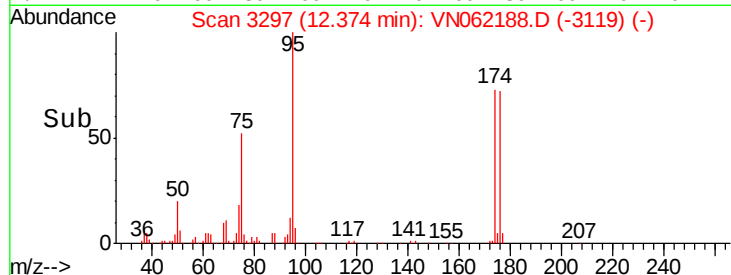
254 0.0 0.0 0.0



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# 3590

Delta R.T. -0.00 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

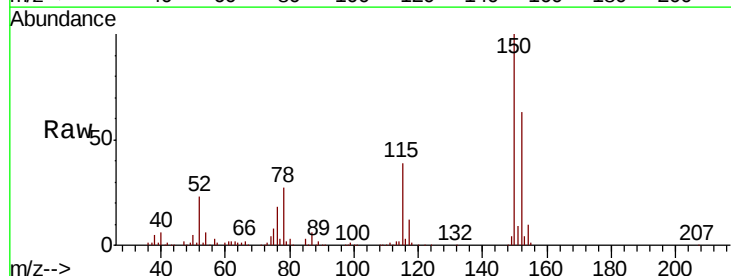
Tgt Ion:152 Resp: 146375

Ion Ratio Lower Upper

152 100

115 59.1 29.5 88.5

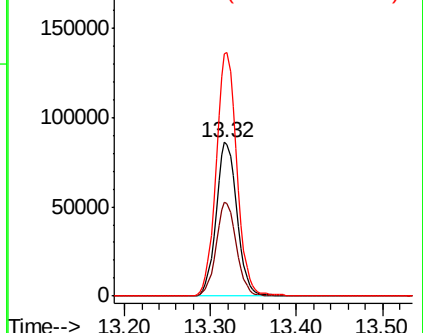
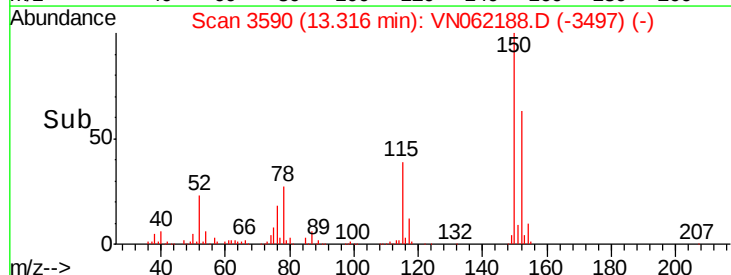
150 156.8 0.0 351.4

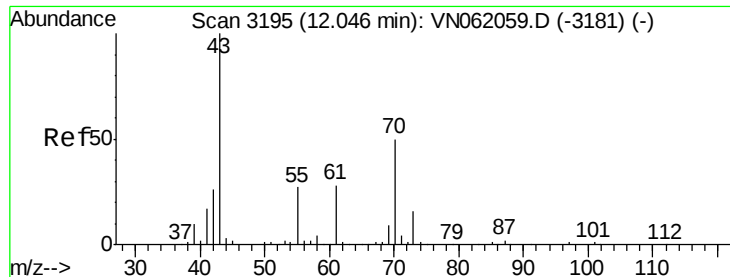


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.396 ug/l

RT: 12.05 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622DL

Tot Ion: 43 Resp: 236

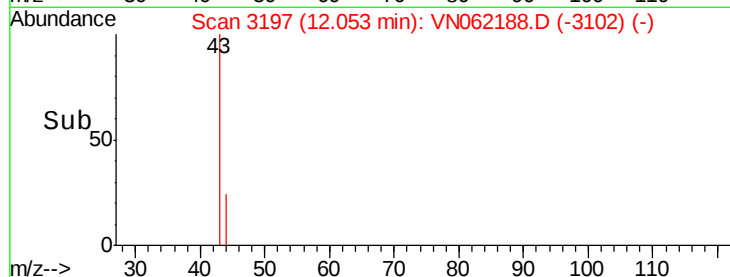
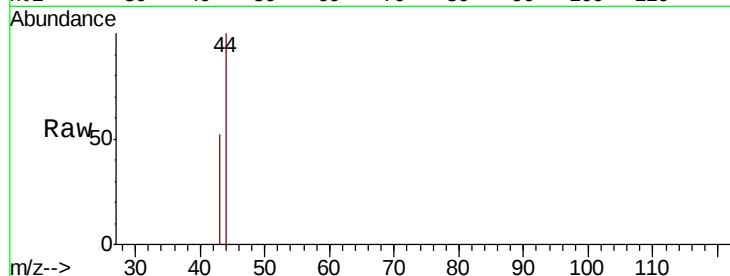
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

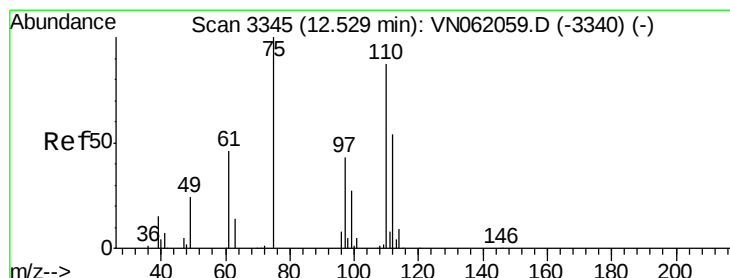
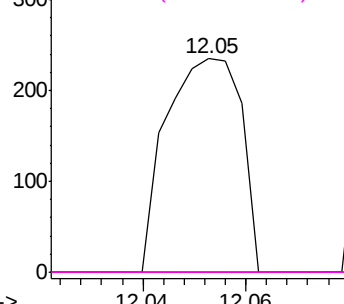


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.347 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062188.D

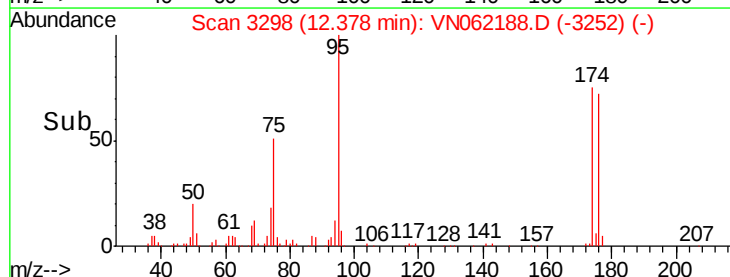
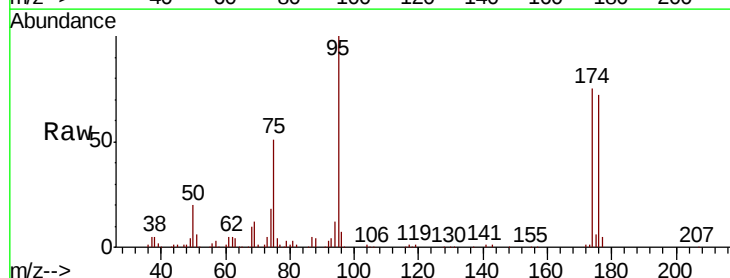
Acq: 29 Jun 2020 15:17

Tgt Ion: 75 Resp: 87342

Ion Ratio Lower Upper

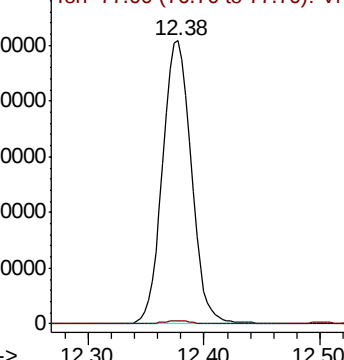
75 100

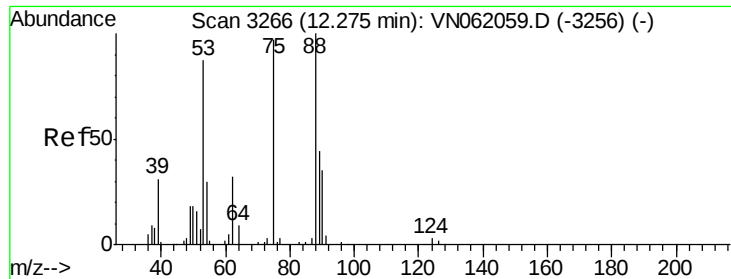
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.024 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622DL

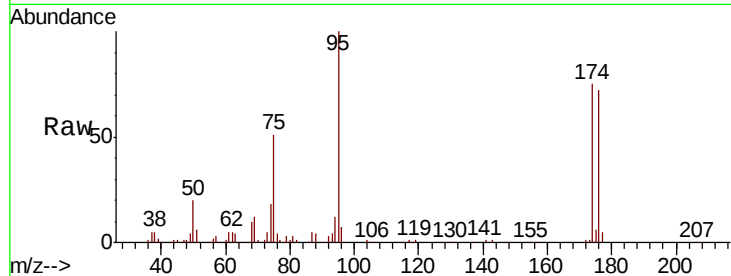
Tot Ion: 75 Resp: 87342

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

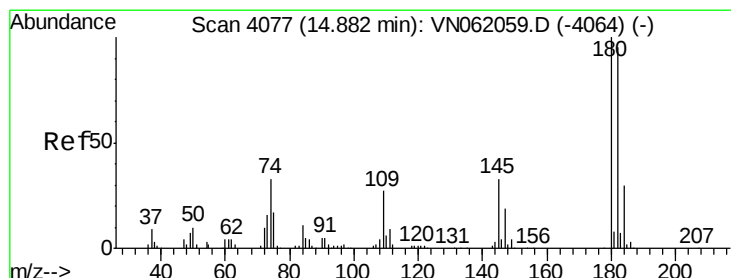
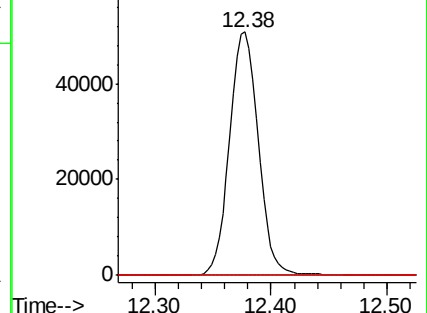
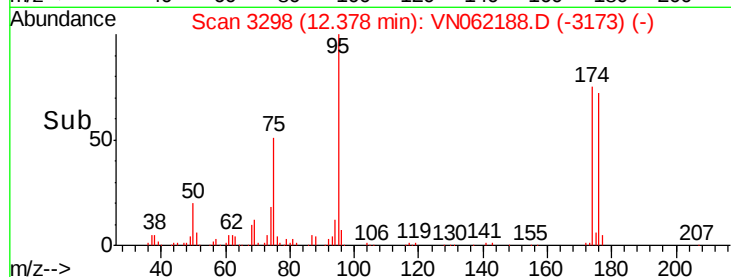
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062188.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062188.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062188.D (-3173) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.379 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062188.D

Acq: 29 Jun 2020 15:17

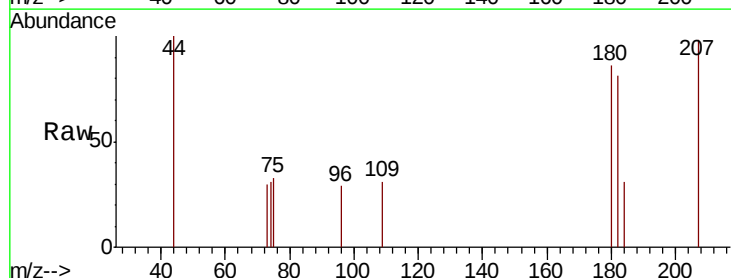
Tgt Ion: 180 Resp: 793

Ion Ratio Lower Upper

180 100

182 91.3 48.0 144.2

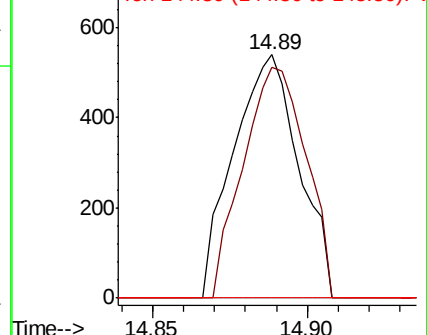
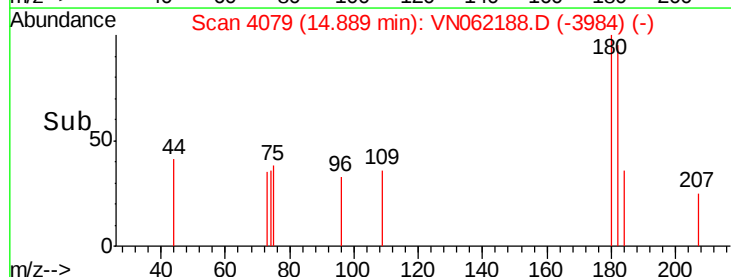
145 0.0 16.0 48.0#

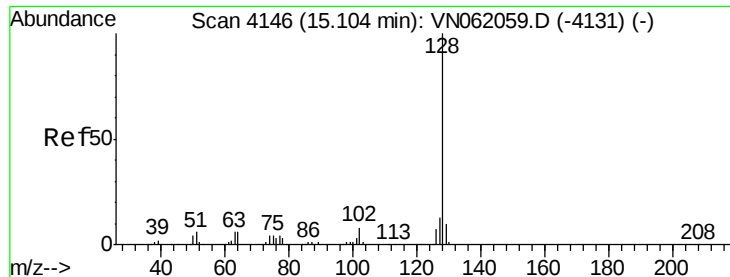


Abundance Ion 179.80 (179.50 to 180.50): VN062188.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062188.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062188.D (-3984) (-)

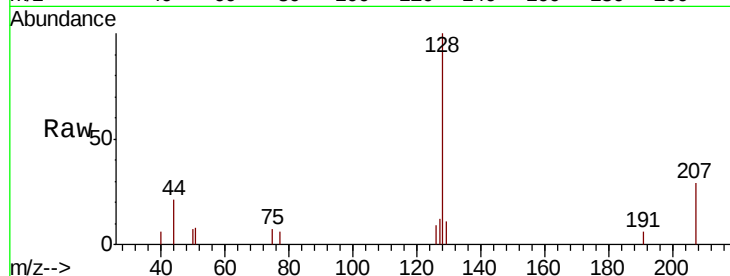




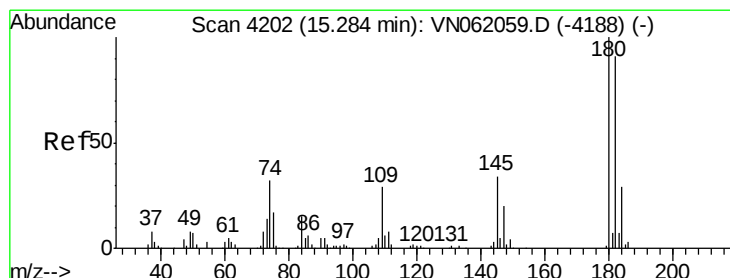
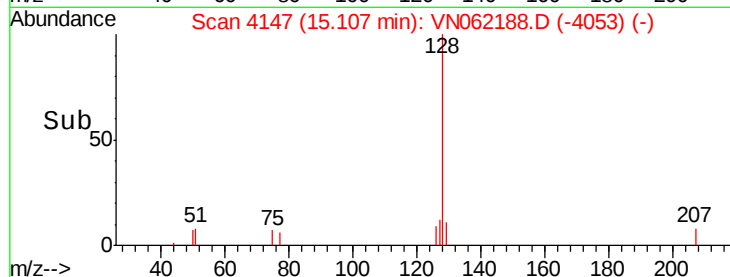
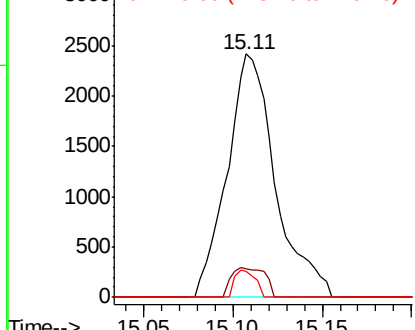
#95
Naphthalene
Concen: 4.596 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062188.D
Acq: 29 Jun 2020 15:17

Instrument :
MSVOA_N
ClientSampleId :
08BR-20200622DL

Tot Ion:128 Resp: 4556
Ion Ratio Lower Upper
128 100
127 8.5 10.5 15.7#
129 4.7 8.6 13.0#

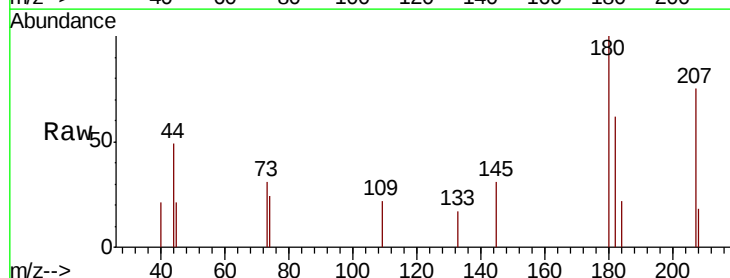


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.646 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062188.D
Acq: 29 Jun 2020 15:17

Tgt Ion:180 Resp: 1382
Ion Ratio Lower Upper
180 100
182 76.6 46.8 140.4
145 25.0 16.4 49.2



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

