

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082420\NOT REVIEWED DATA\
 Data File : VN063090.D
 Acq On : 24 Aug 2020 13:03
 Operator : JC/MD
 Sample : L3496-01
 Misc : 6.24g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-081720

Quant Time: Aug 24 14:05:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	139109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	229461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	236760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99014	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	91452	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
35) Dibromofluoromethane	7.54	113	75851	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.06	98	291317	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.38	95	100718	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

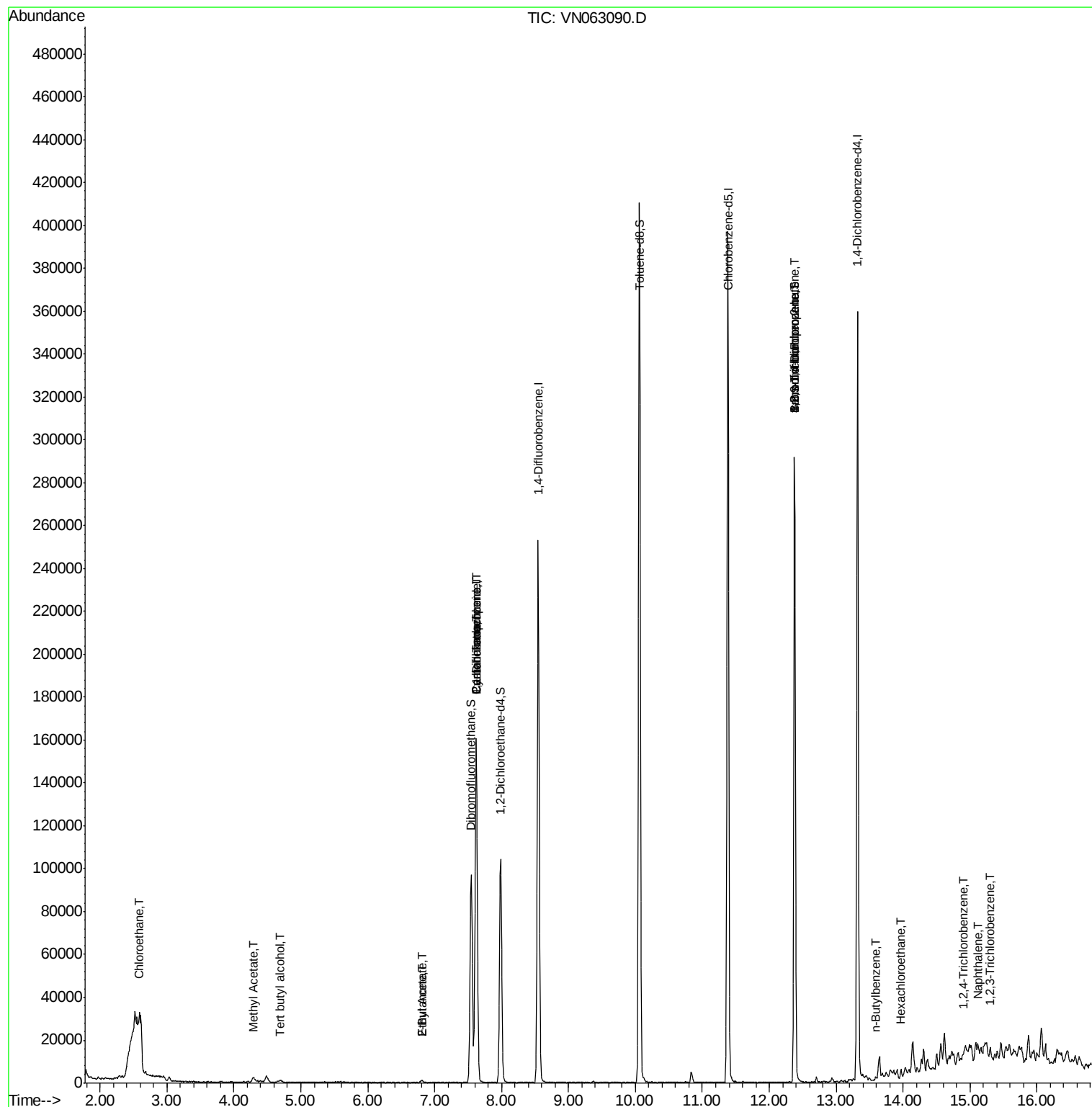
Target Compounds					Qvalue	
6) Chloroethane	2.57	64	334	0.307	ug/l #	28
11) Tert butyl alcohol	4.68	59	759	3.250	ug/l #	74
16) Acetone	3.79	43	399	Below Cal	#	40
18) Methyl Acetate	4.28	43	4036	2.463	ug/l #	67
20) Methylene Chloride	4.48	84	972	Below Cal		89
25) 2-Butanone	6.81	43	1790	2.045	ug/l	93
31) Cyclohexane	7.62	56	2476	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	9989	4.940	ug/l #	49
37) Ethyl Acetate	6.81	43	1790	0.945	ug/l #	68
38) Carbon Tetrachloride	7.63	117	12262	6.006	ug/l #	18
71) Bromoform	12.38	173	477	0.324	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48997	25.458	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48997	69.920	ug/l #	15
89) n-Butylbenzene	13.60	91	509	2.860	ug/l #	47
90) Hexachloroethane	13.98	117	316	0.261	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.89	180	315	4.712	ug/l #	1
95) Naphthalene	15.11	128	1780	6.042	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	530	4.256	ug/l #	4

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

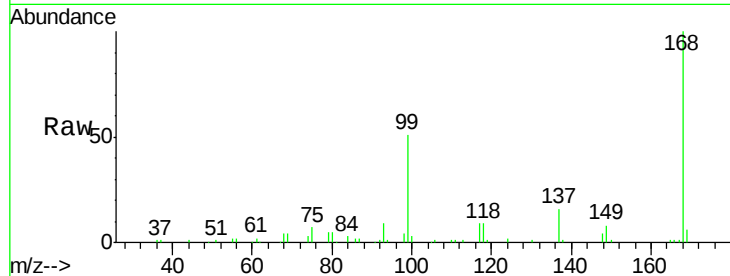
AU-06-081720

Tgt Ion: 168 Resp: 139109

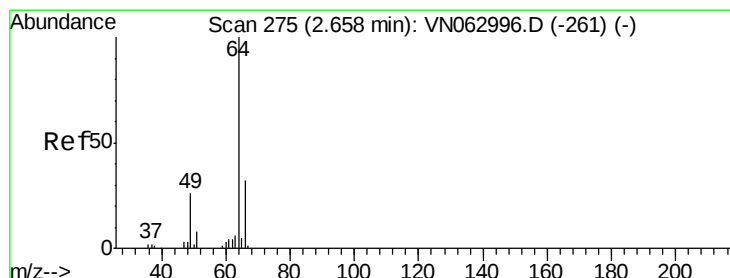
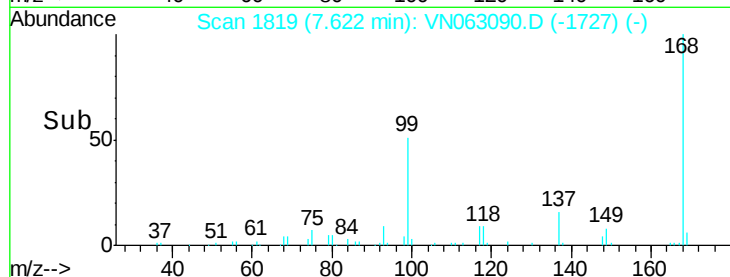
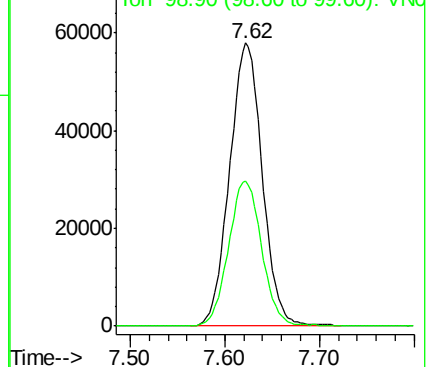
Ion Ratio Lower Upper

168 100

99 51.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN063090.D (-1727) (-)



#6

Chloroethane

Concen: 0.307 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.09 min

Lab File: VN063090.D

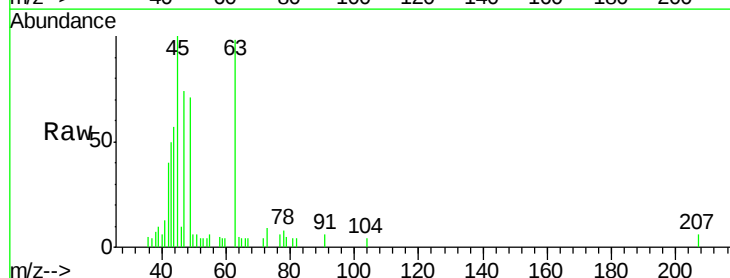
Acq: 24 Aug 2020 13:03

Tgt Ion: 64 Resp: 334

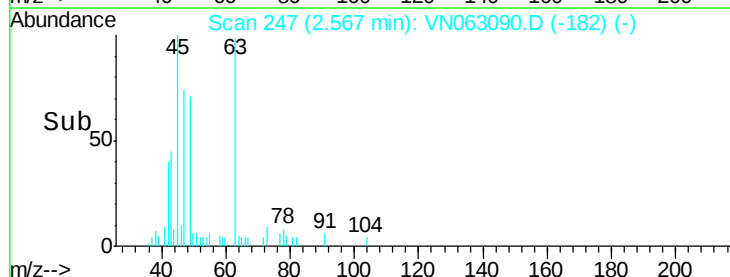
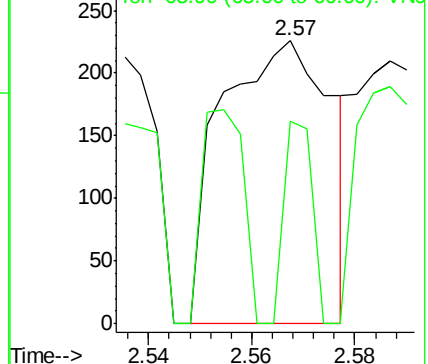
Ion Ratio Lower Upper

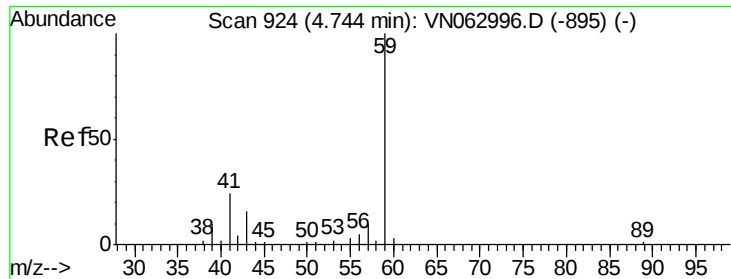
64 100

66 71.7 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VN063090.D (-182) (-)



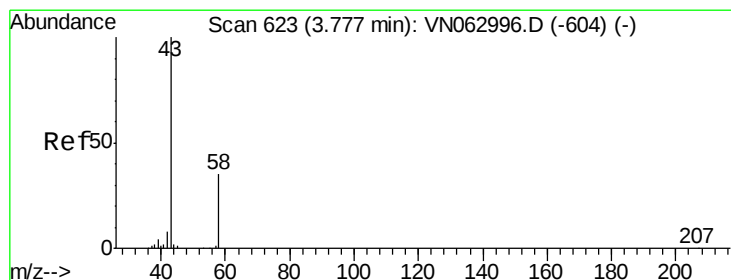
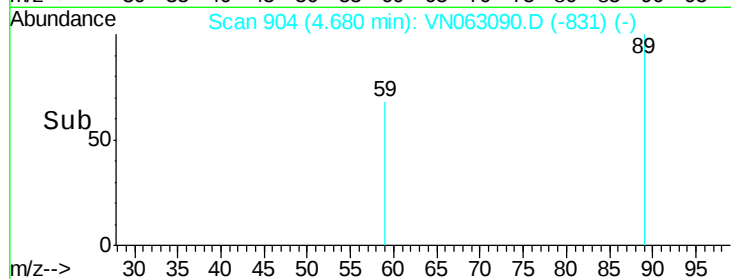
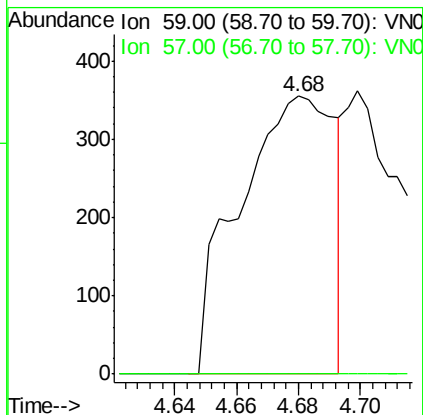
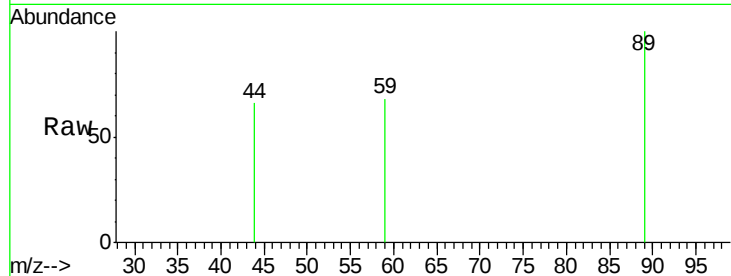


#11

Tert butyl alcohol
 Concen: 3.250 ug/l
 RT: 4.68 min Scan# 904
 Delta R.T. -0.06 min
 Lab File: VN063090.D
 Acq: 24 Aug 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-081720

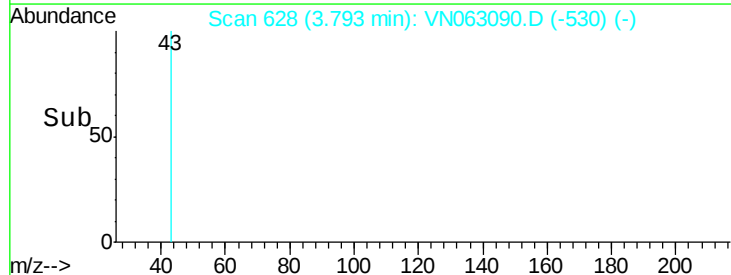
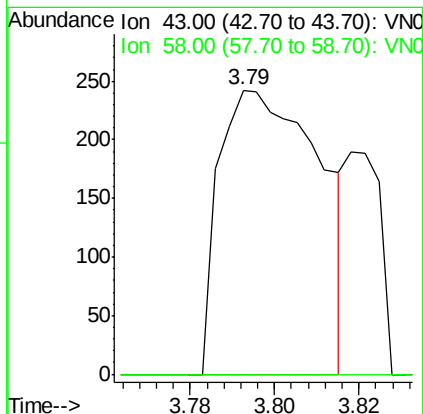
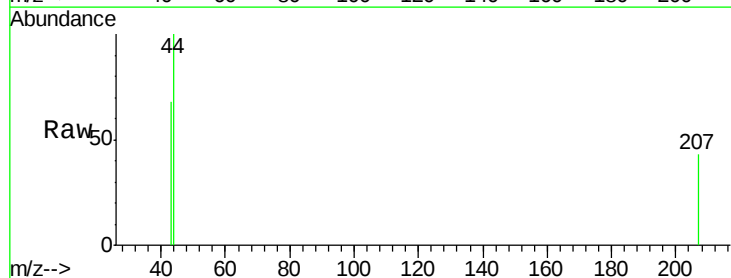
Tgt Ion: 59 Resp: 759
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

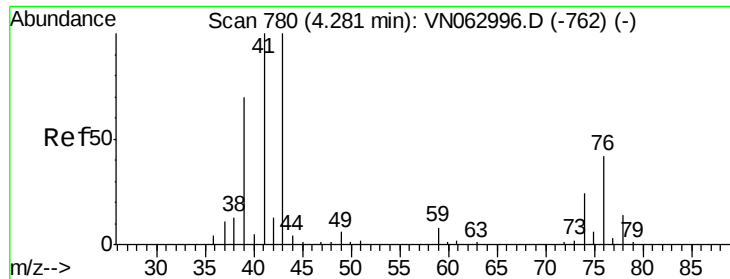


#16

Acetone
 Concen: Below Cal
 RT: 3.79 min Scan# 628
 Delta R.T. 0.02 min
 Lab File: VN063090.D
 Acq: 24 Aug 2020 13:03

Tgt Ion: 43 Resp: 399
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.6#

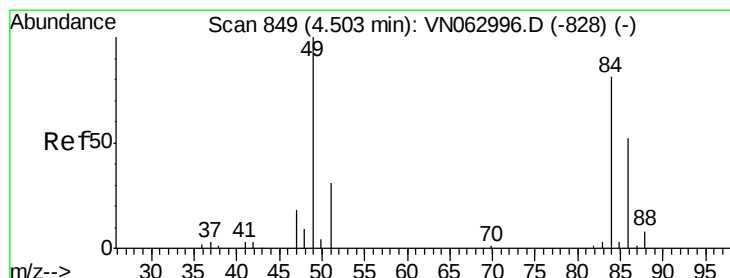
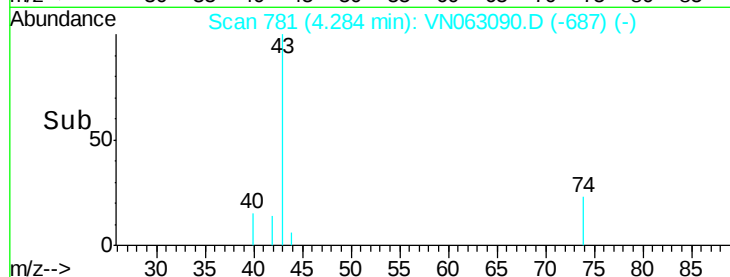
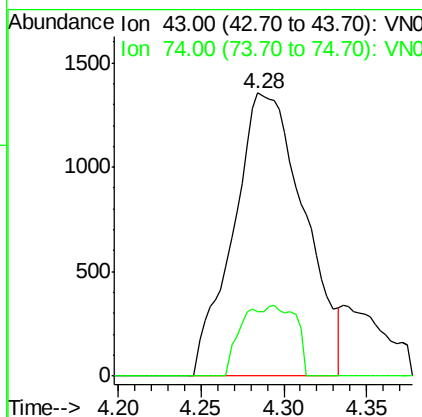
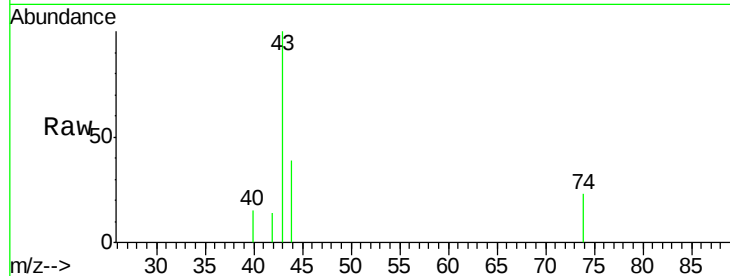




#18
Methyl Acetate
Concen: 2.463 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

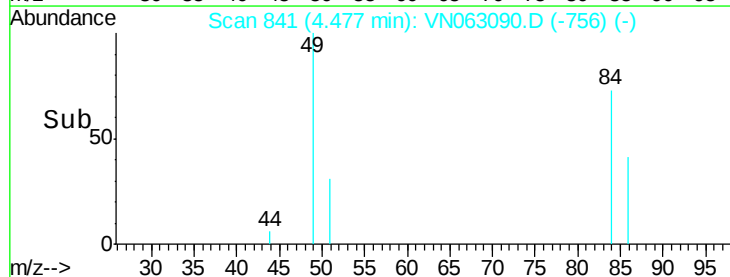
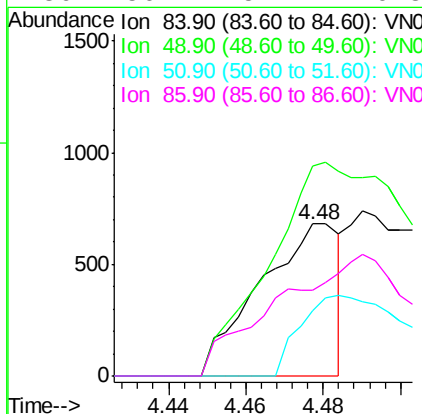
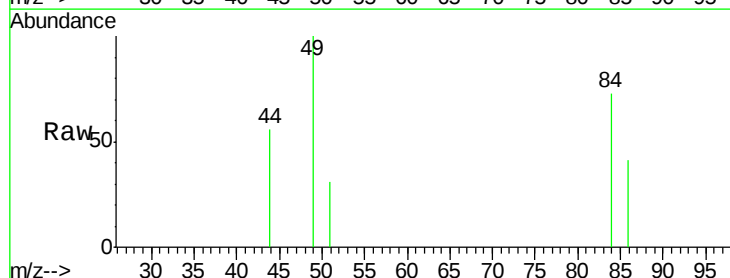
Instrument :
MSVOA_N
ClientSampled :
AU-06-081720

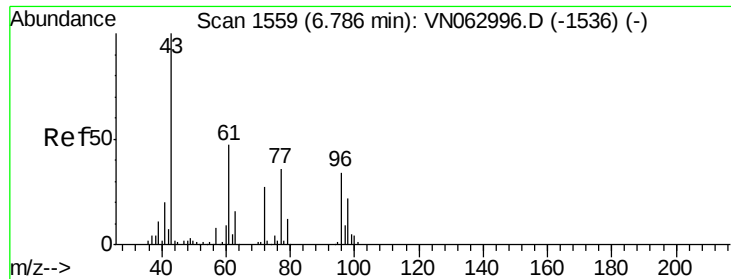
Tgt Ion: 43 Resp: 4036
Ion Ratio Lower Upper
43 100
74 7.4 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.48 min Scan# 841
Delta R.T. -0.03 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

Tgt Ion: 84 Resp: 972
Ion Ratio Lower Upper
84 100
49 137.9 98.7 148.1
51 42.7 30.8 46.2
86 56.2 51.2 76.8

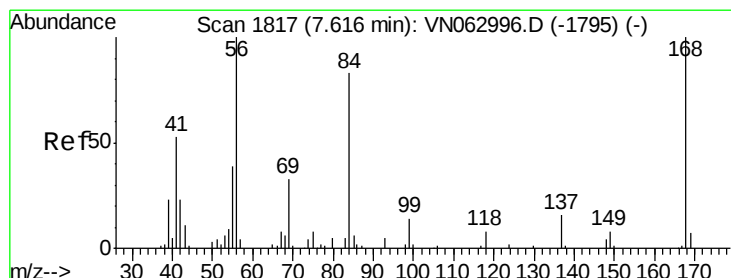
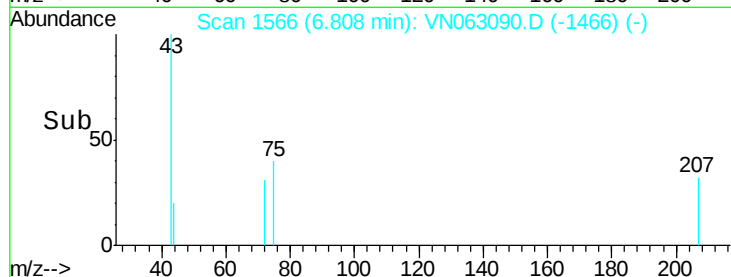
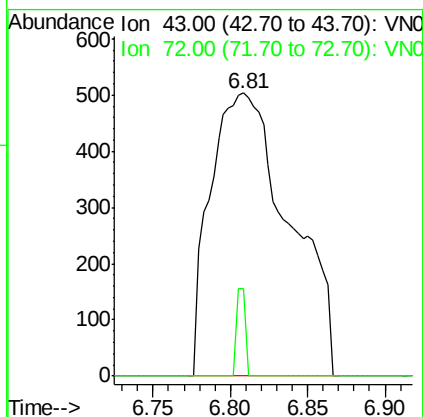
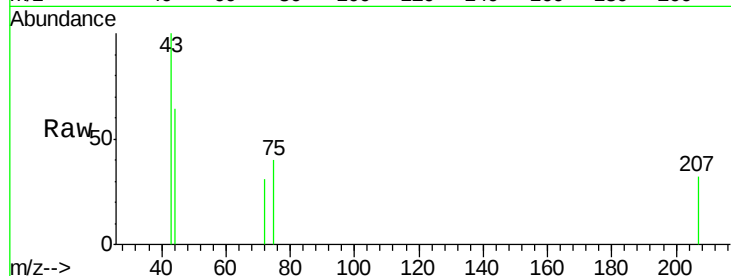




#25
2-Butanone
Concen: 2.045 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.02 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

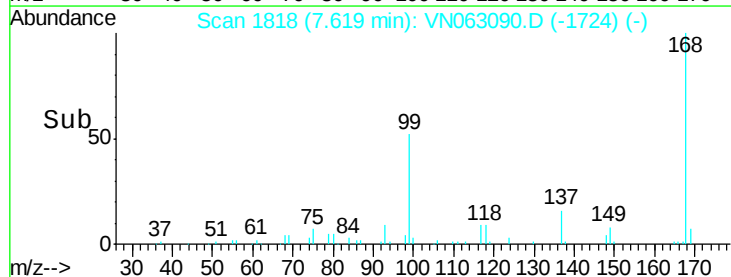
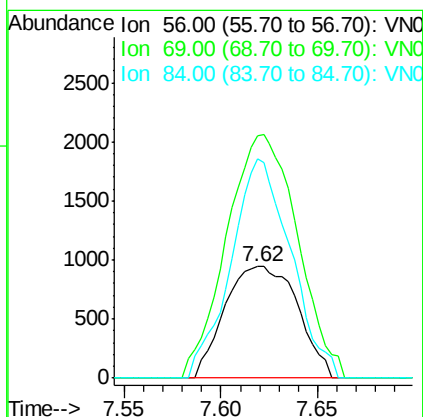
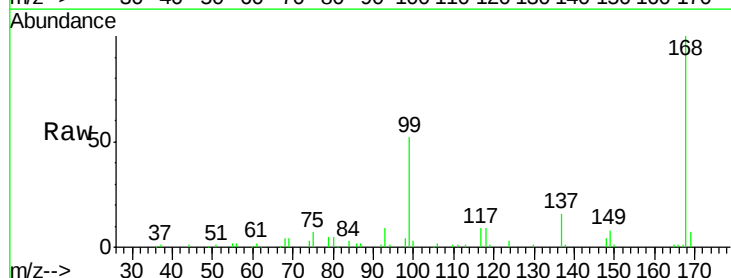
Instrument :
MSVOA_N
ClientSampled :
AU-06-081720

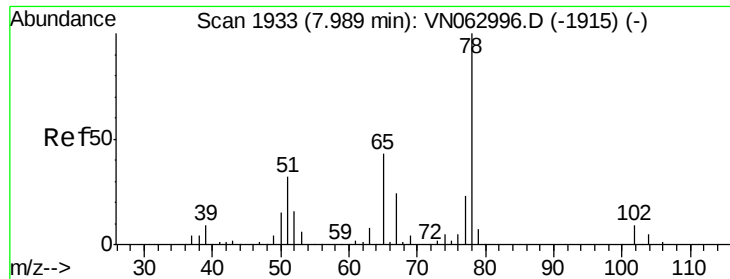
Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
72 30.8 21.8 32.6



#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

Tgt Ion: 56 Resp: 2476
Ion Ratio Lower Upper
56 100
69 200.2 26.6 40.0#
84 196.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.469 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

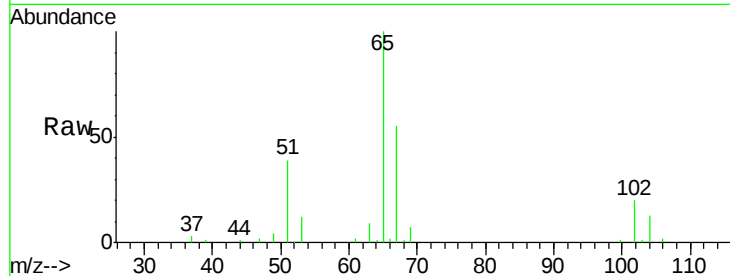
AU-06-081720

Tgt Ion: 65 Resp: 91452

Ion Ratio Lower Upper

65 100

67 53.8 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN062996.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062996.D (-1915) (-)

7.99

40000

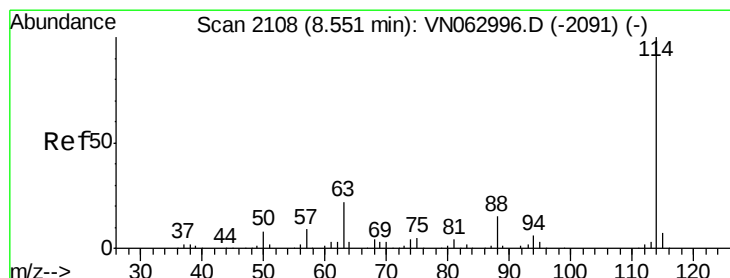
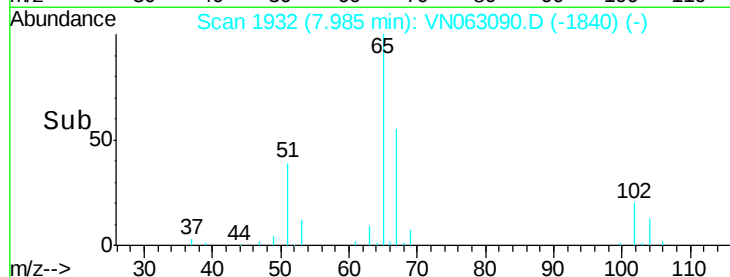
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

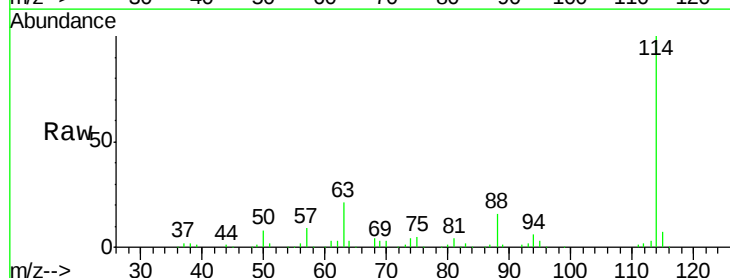
Tgt Ion: 114 Resp: 229461

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

88 15.8 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN062996.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062996.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062996.D (-2091) (-)

8.55

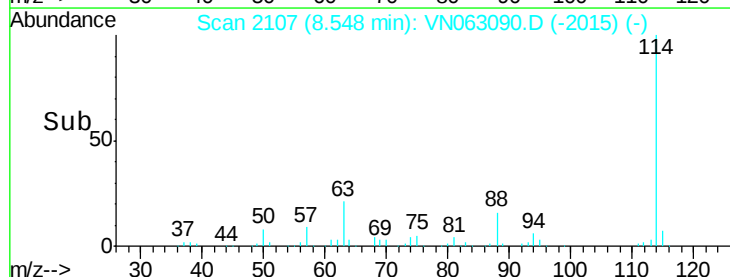
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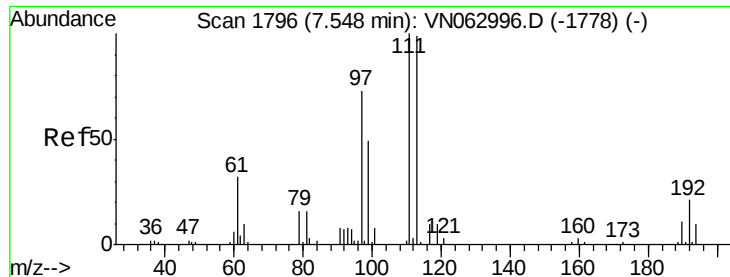
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Time-->

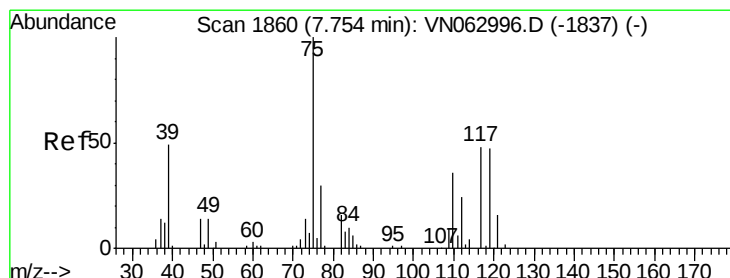
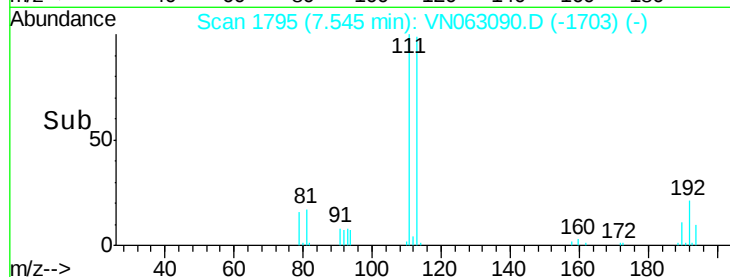
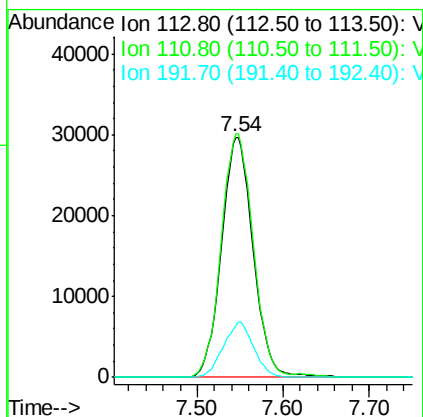
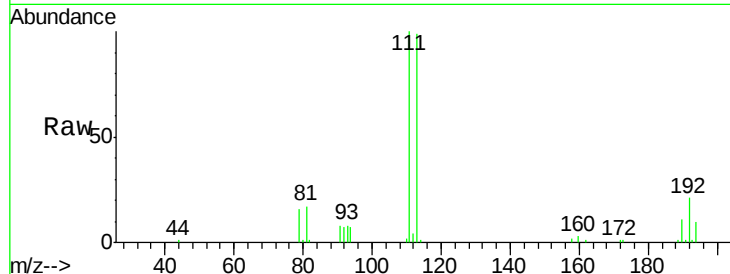




#35
 Dibromofluoromethane
 Concen: 50.731 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN063090.D
 Acq: 24 Aug 2020 13:03

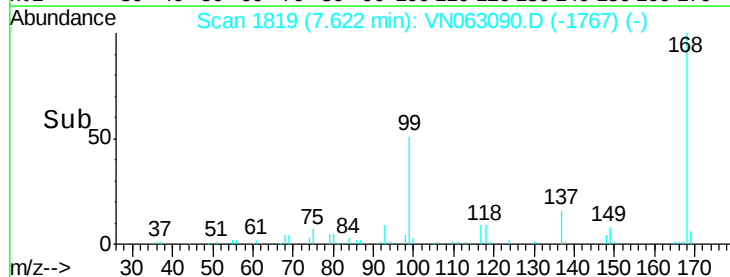
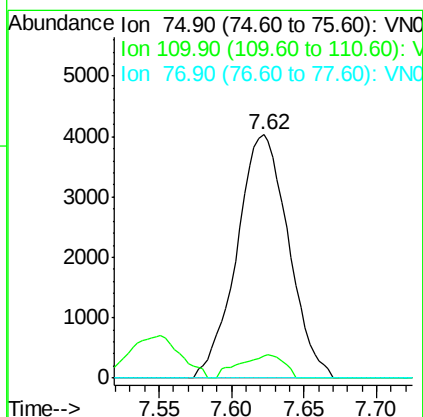
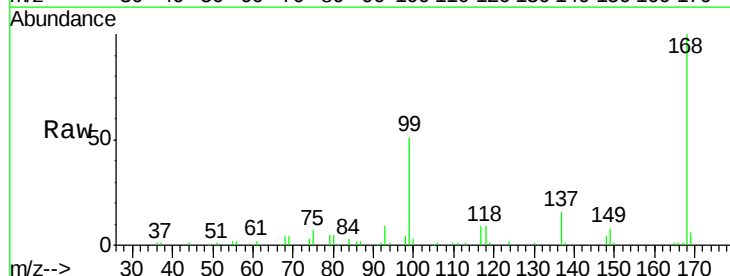
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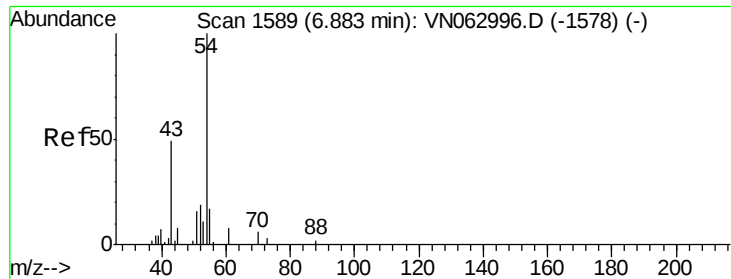
Tgt Ion:113 Resp: 75851
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.7 122.5
 192 21.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN063090.D
 Acq: 24 Aug 2020 13:03

Tgt Ion: 75 Resp: 9989
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.5 52.6#
 77 0.0 24.2 36.4#

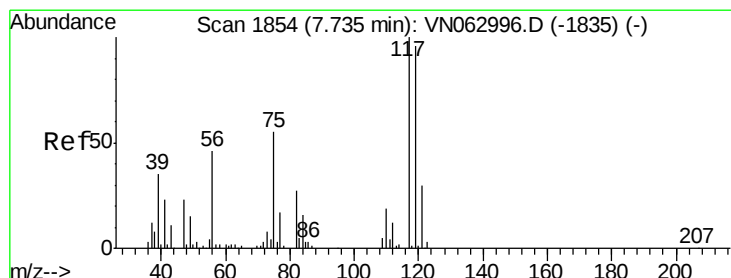
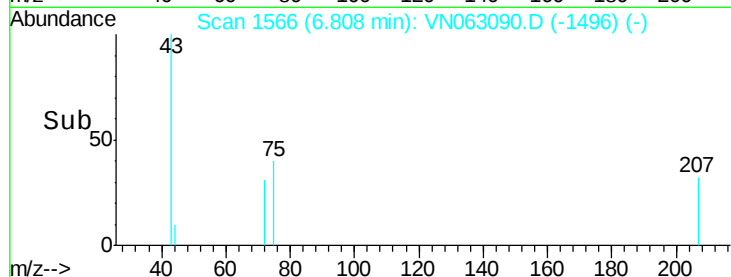
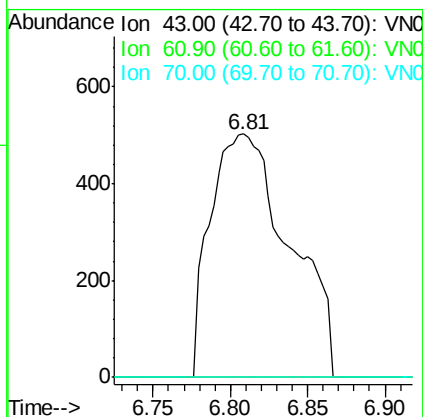
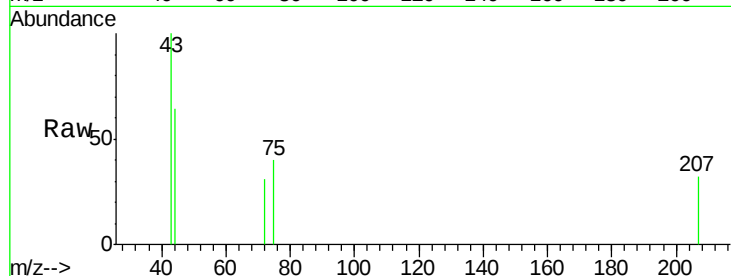




#37
 Ethyl Acetate
 Concen: 0.945 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.07 min
 Lab File: VN063090.D
 Acq: 24 Aug 2020 13:03

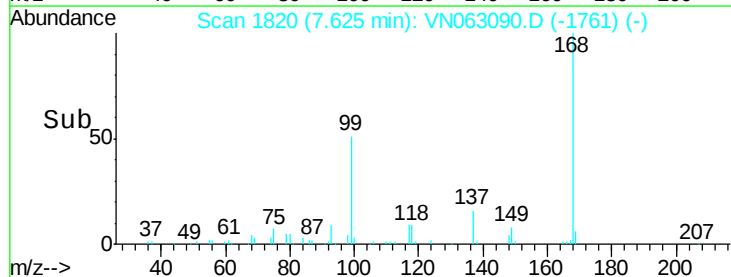
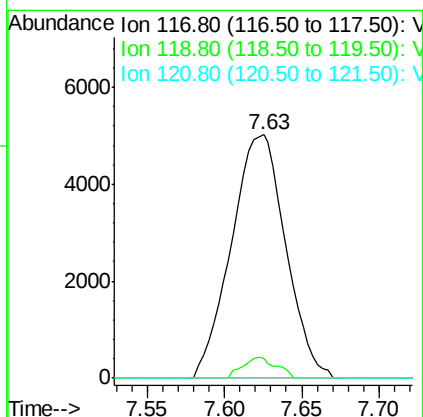
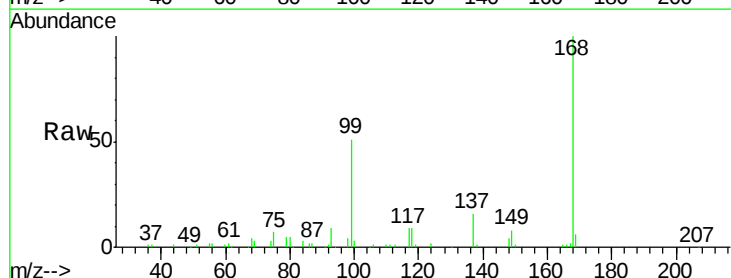
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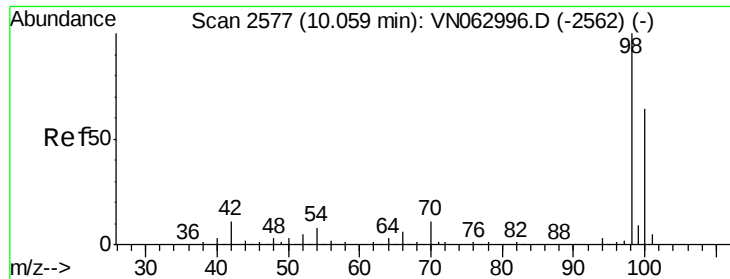
Tgt Ion: 43 Resp: 1790
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.8#
 70 0.0 8.2 12.2#



#38
 Carbon Tetrachloride
 Concen: 6.006 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063090.D
 Acq: 24 Aug 2020 13:03

Tgt Ion: 117 Resp: 12262
 Ion Ratio Lower Upper
 117 100
 119 7.8 76.2 114.4#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 50.726 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

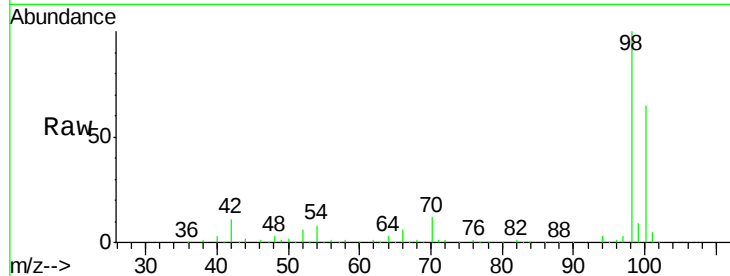
AU-06-081720

Tgt Ion: 98 Resp: 291317

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062996.D (-2562) (-)

10.06

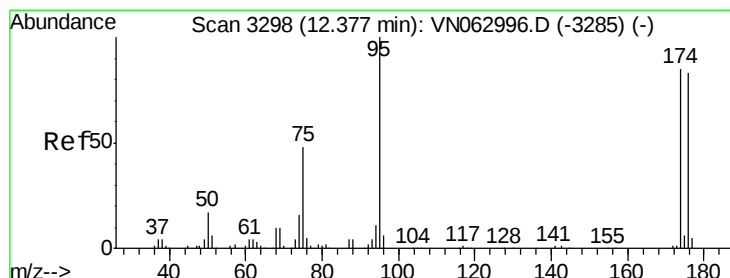
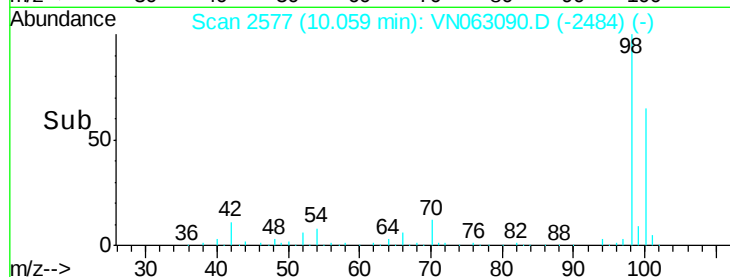
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.698 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

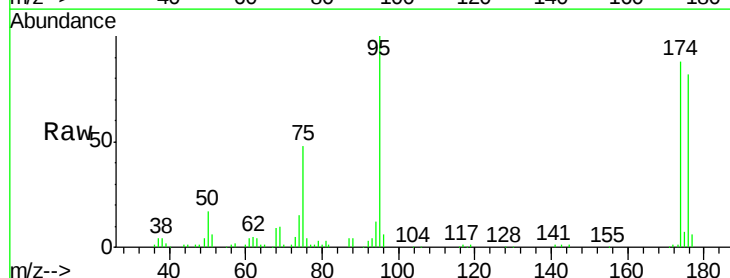
Tgt Ion: 95 Resp: 100718

Ion Ratio Lower Upper

95 100

174 87.2 0.0 170.8

176 84.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)

12.38

80000

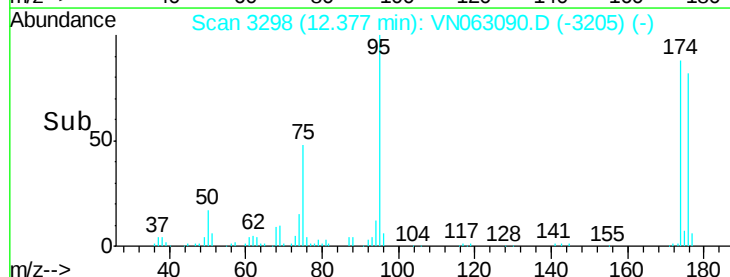
60000

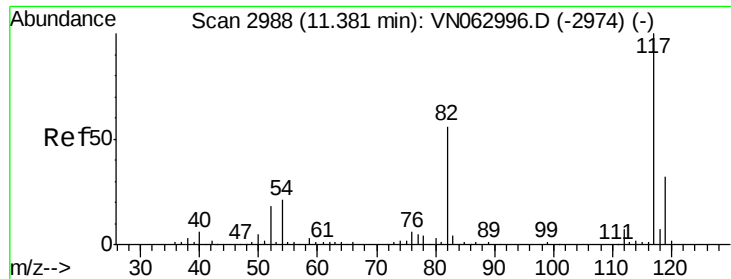
40000

20000

0

Time-->

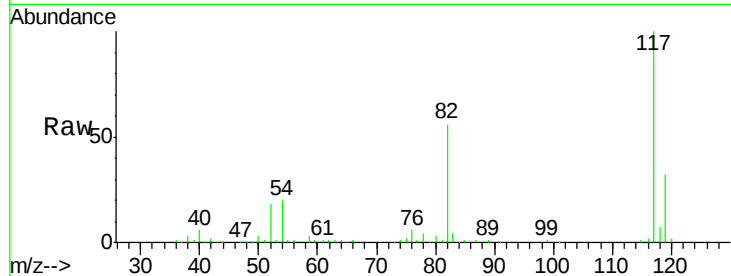




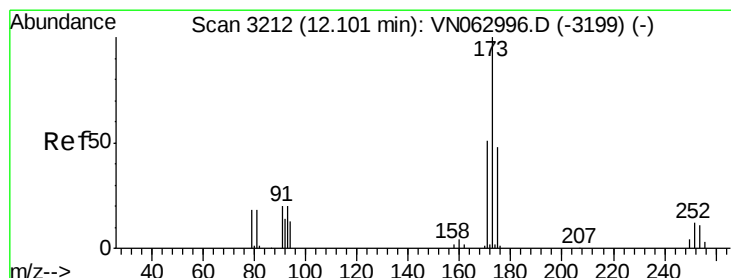
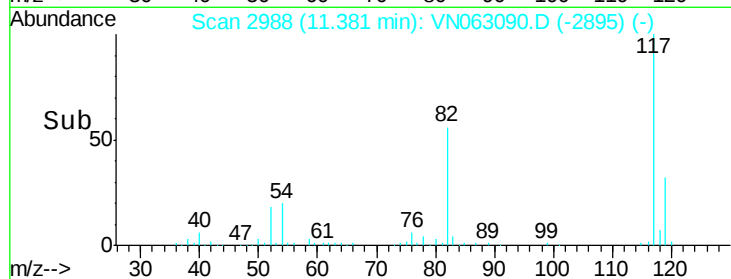
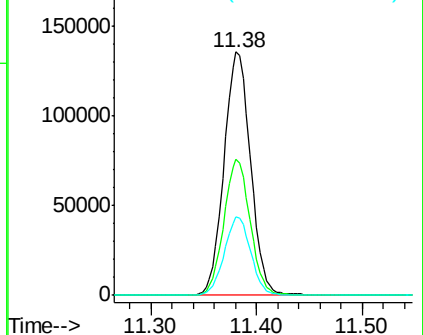
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
AU-06-081720

Tgt Ion:117 Resp: 236760
Ion Ratio Lower Upper
117 100
82 55.8 44.5 66.7
119 32.0 25.5 38.3

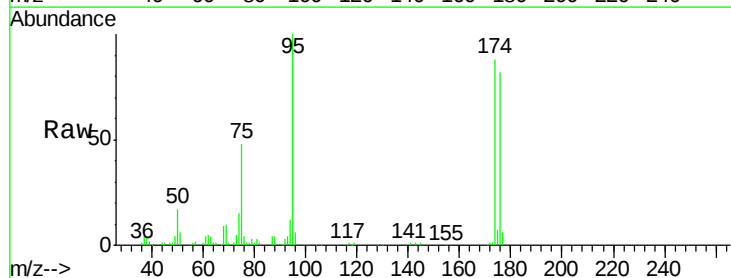


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

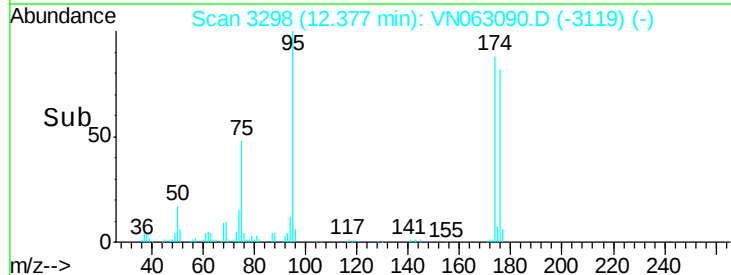
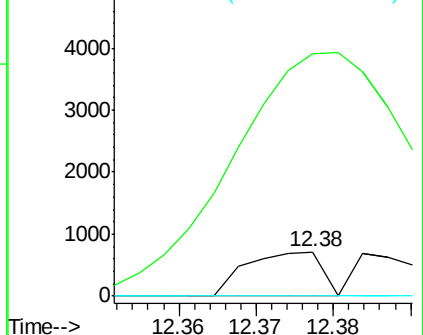


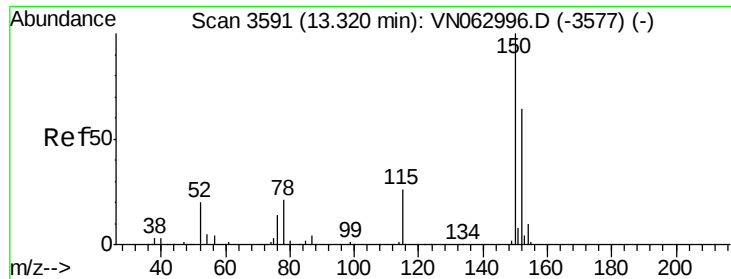
#71
Bromoform
Concen: 0.324 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

Tgt Ion:173 Resp: 477
Ion Ratio Lower Upper
173 100
175 1117.2 24.3 72.8#
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# 3591

Delta R.T. -0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720

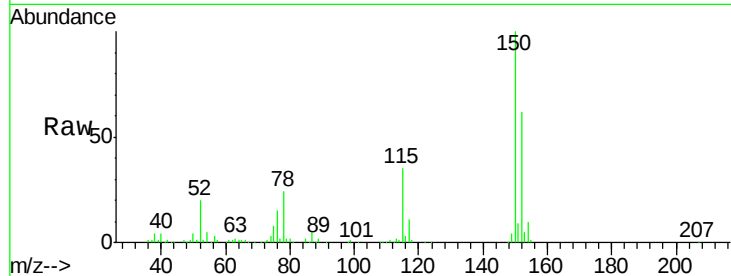
Tgt Ion:152 Resp: 99014

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

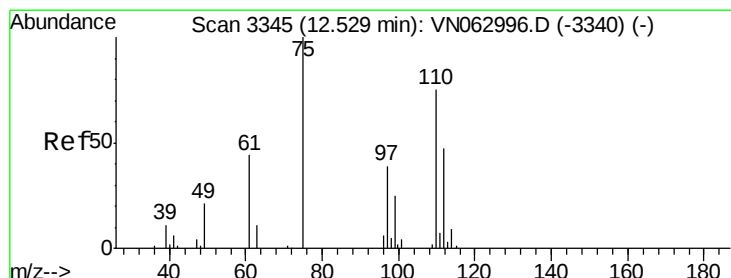
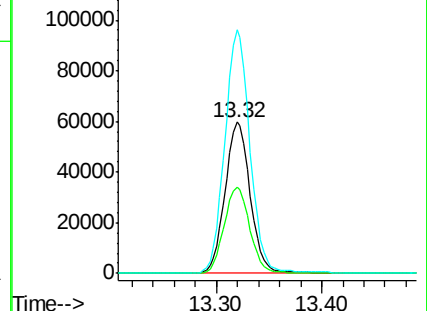
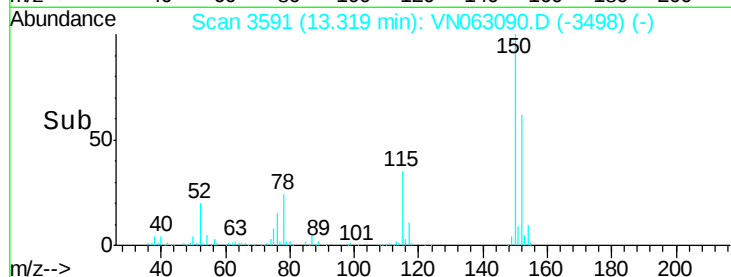
150 160.2 0.0 348.8



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: 25.458 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063090.D

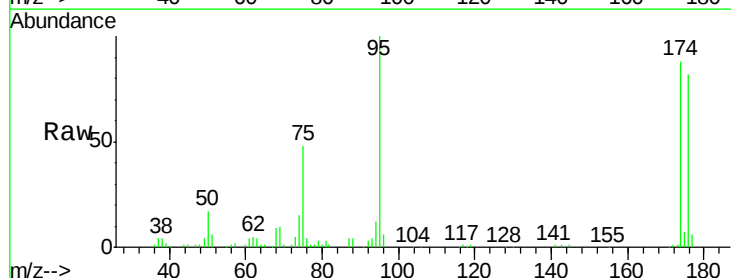
Acq: 24 Aug 2020 13:03

Tgt Ion: 75 Resp: 48997

Ion Ratio Lower Upper

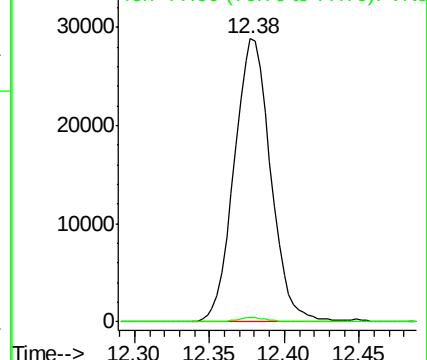
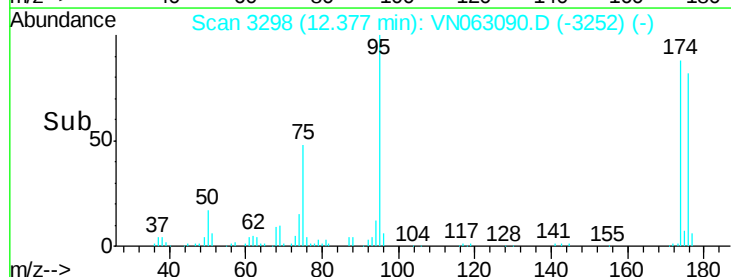
75 100

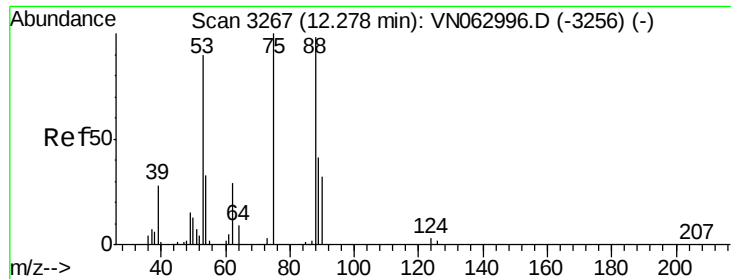
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 69.920 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720

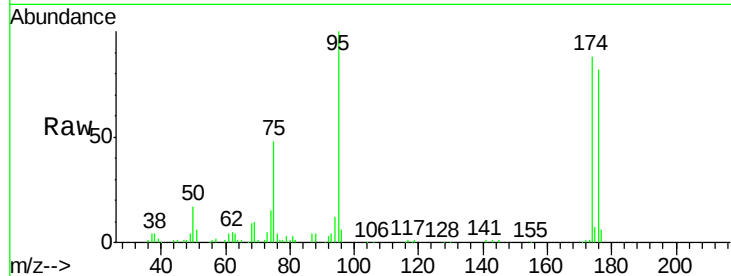
Tgt Ion: 75 Resp: 48997

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

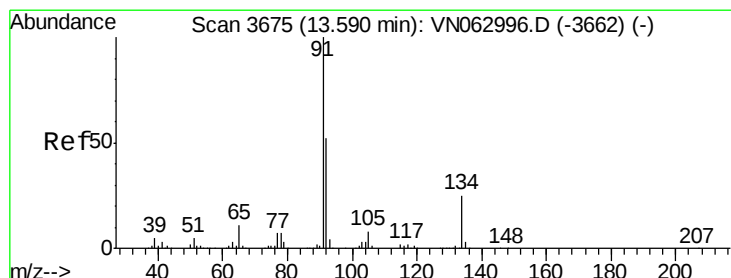
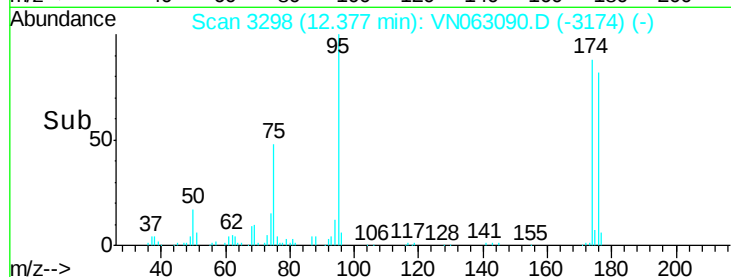
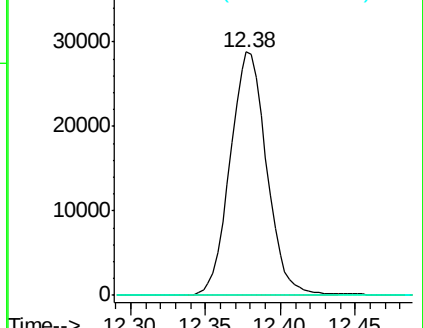
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN063090.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN063090.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN063090.D (-3174) (-)



#89

n-Butylbenzene

Concen: 2.860 ug/l

RT: 13.60 min Scan# 3678

Delta R.T. 0.01 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

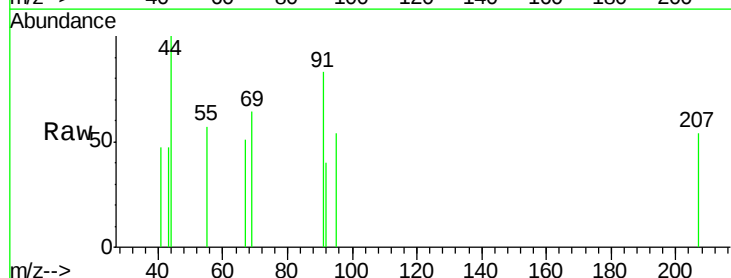
Tgt Ion: 91 Resp: 509

Ion Ratio Lower Upper

91 100

92 13.0 25.9 77.6#

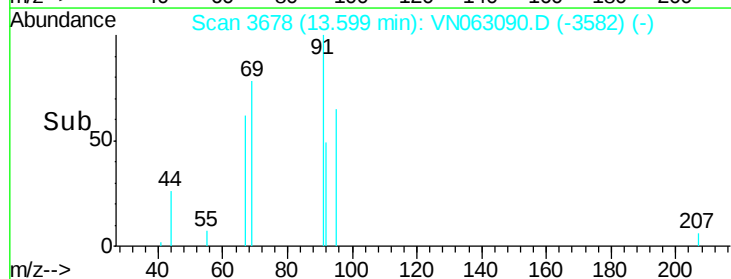
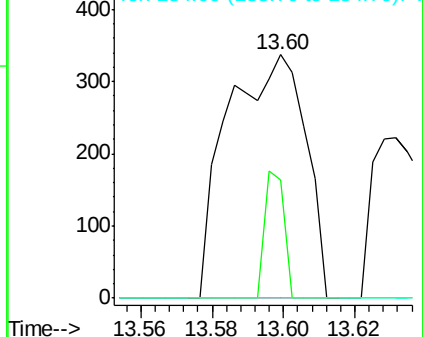
134 0.0 12.4 37.0#

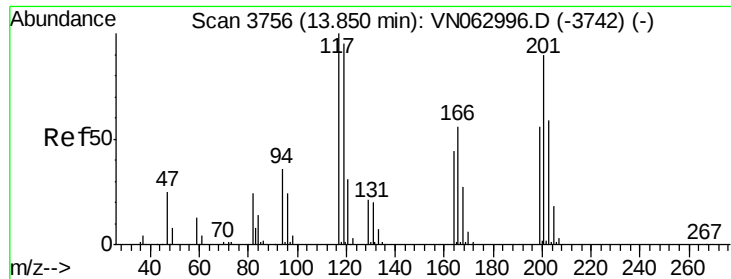


Abundance Ion 91.00 (90.70 to 91.70): VN063090.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN063090.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN063090.D (-3582) (-)

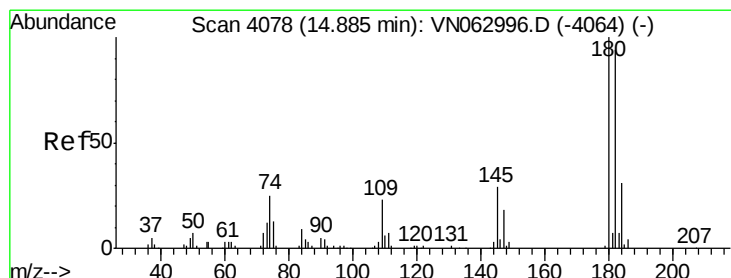
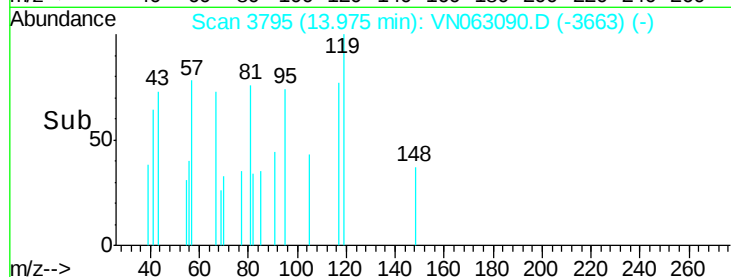
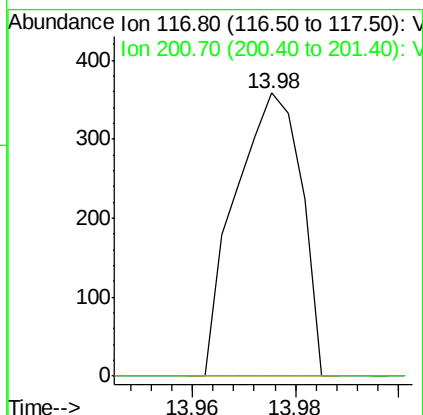
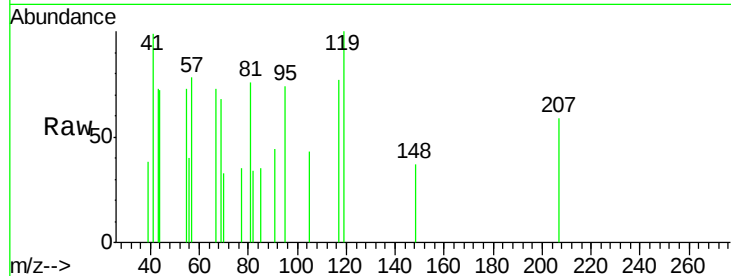




#90
Hexachloroethane
Concen: 0.261 ug/l
RT: 13.98 min Scan# 3795
Delta R.T. 0.13 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

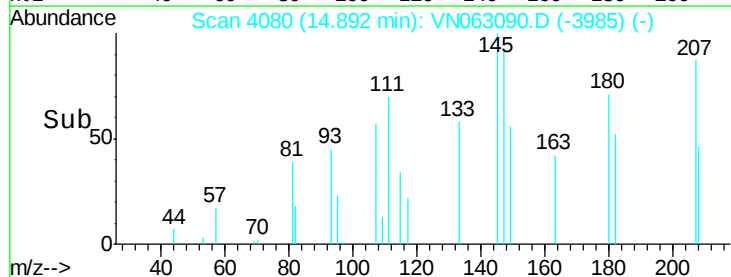
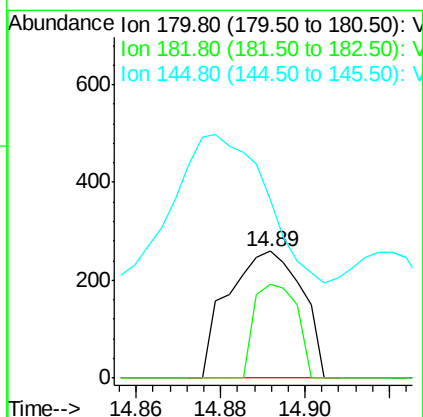
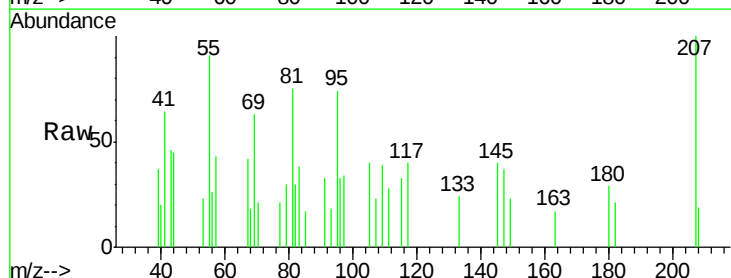
Instrument :
MSVOA_N
ClientSampleId :
AU-06-081720

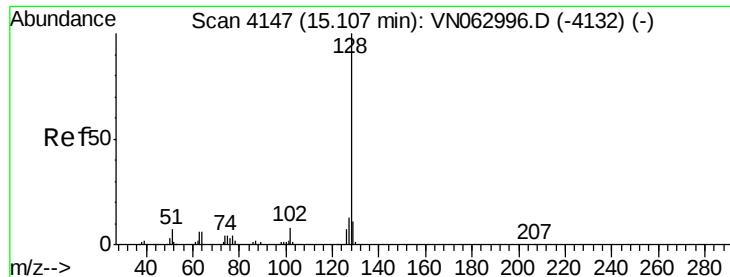
Tgt Ion:117 Resp: 316
Ion Ratio Lower Upper
117 100
201 0.0 44.1 132.4#



#93
1,2,4-Trichlorobenzene
Concen: 4.712 ug/l
RT: 14.89 min Scan# 4080
Delta R.T. 0.01 min
Lab File: VN063090.D
Acq: 24 Aug 2020 13:03

Tgt Ion:180 Resp: 315
Ion Ratio Lower Upper
180 100
182 42.9 47.0 141.2#
145 357.5 14.1 42.4#





#95

Naphthalene

Concen: 6.042 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

Instrument :

MSVOA_N

ClientSampled :

AU-06-081720

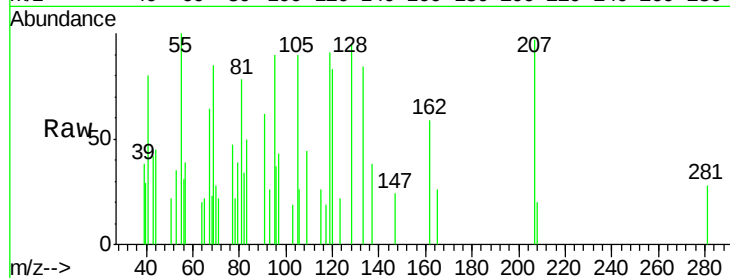
Tgt Ion:128 Resp: 1780

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

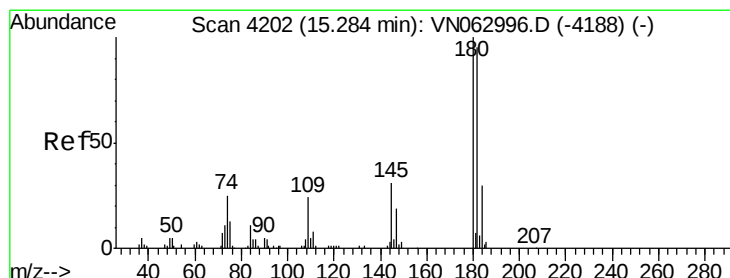
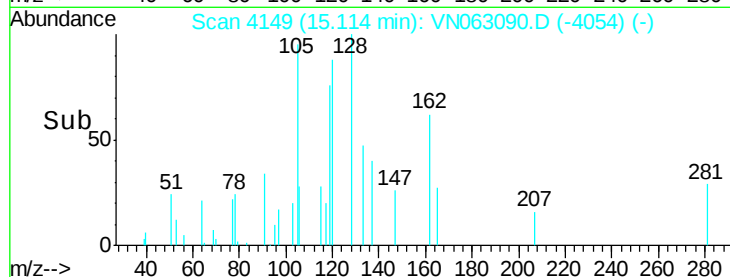
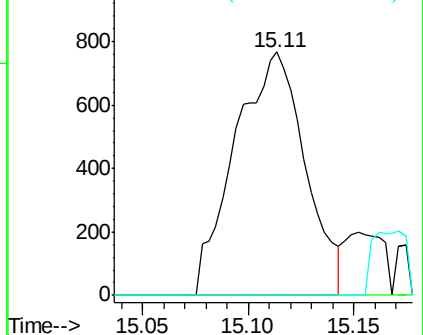
129 0.0 8.9 13.3#



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: 4.256 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN063090.D

Acq: 24 Aug 2020 13:03

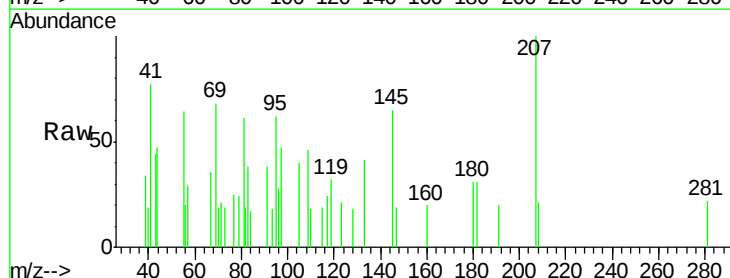
Tgt Ion:180 Resp: 530

Ion Ratio Lower Upper

180 100

182 82.8 47.3 141.9

145 225.1 15.6 46.7#



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

