

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064918.D
 Acq On : 4 Dec 2020 14:53
 Operator : JC/MD
 Sample : L4954-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-05-568-120120

Quant Time: Dec 05 01:29:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	164927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	293506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	103204	53.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	107.66%	
35) Dibromofluoromethane	7.55	113	96347	54.86	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	109.72%	
50) Toluene-d8	10.06	98	367694	51.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.38	95	139854	54.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	108.92%	

Target Compounds

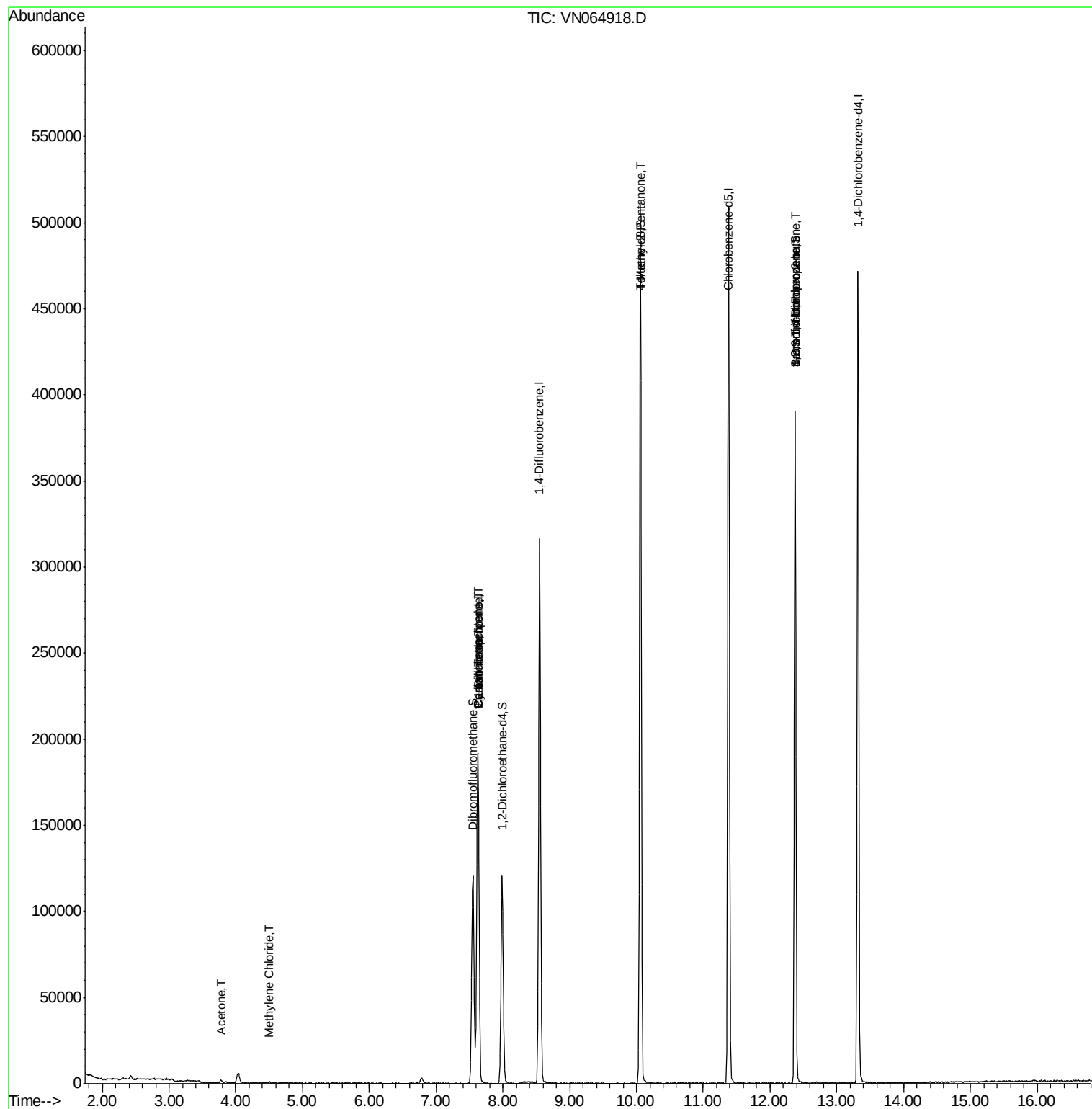
					Qvalue	
16) Acetone	3.78	43	2971	4.714	ug/l	99
20) Methylene Chloride	4.51	84	667	0.338	ug/l #	54
31) Cyclohexane	7.63	56	2786	1.043	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11826	4.347	ug/l #	47
38) Carbon Tetrachloride	7.62	117	14684	5.187	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1339	0.529	ug/l #	1
71) Bromoform	12.37	173	1199	0.622	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	65849	22.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65849	62.415	ug/l #	15

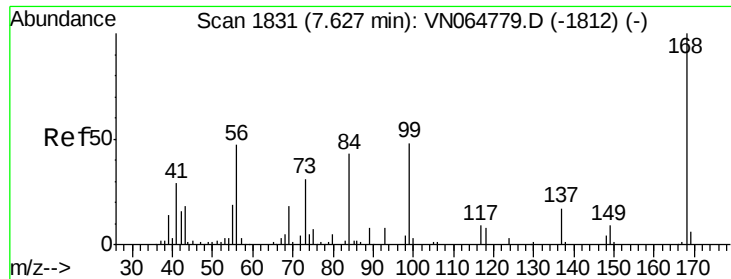
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN064918.D

Acq: 4 Dec 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

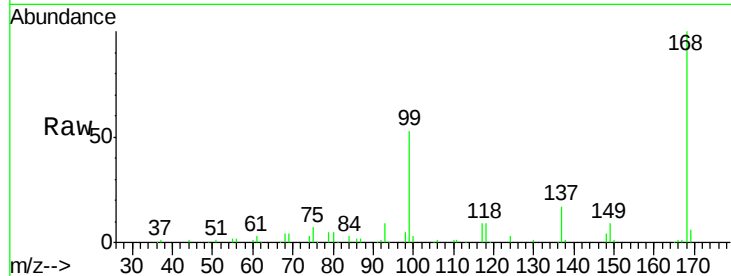
SS013-05-568-120120

Tot Ion:168 Resp: 164927

Ion Ratio Lower Upper

168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

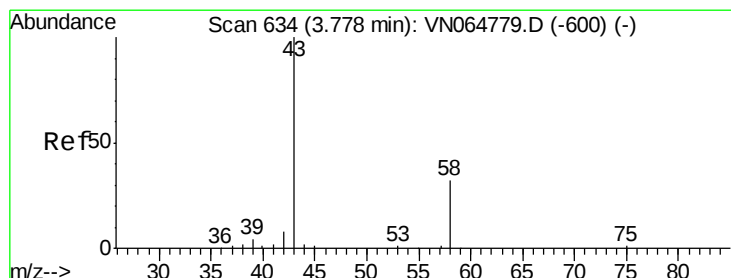
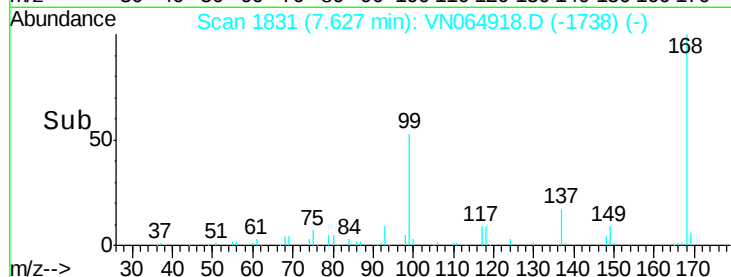
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 4.714 ug/l

RT: 3.78 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN064918.D

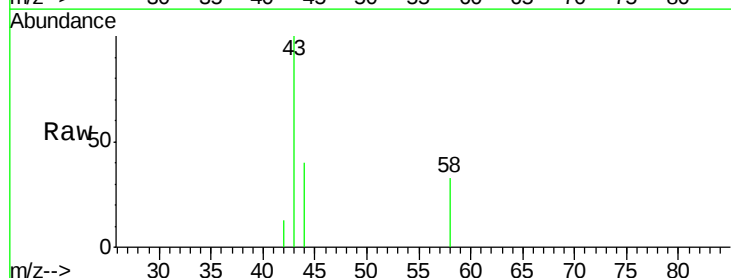
Acq: 4 Dec 2020 14:53

Tgt Ion: 43 Resp: 2971

Ion Ratio Lower Upper

43 100

58 32.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

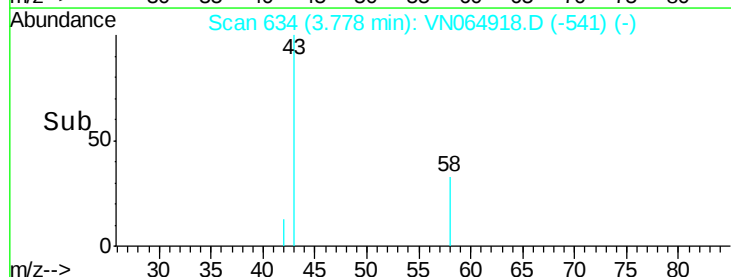
1500

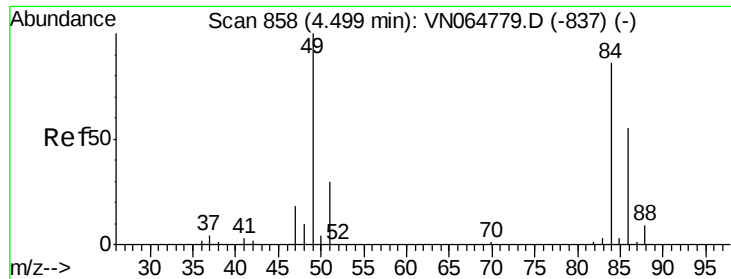
1000

500

0

Time--> 3.70 3.75 3.80 3.85

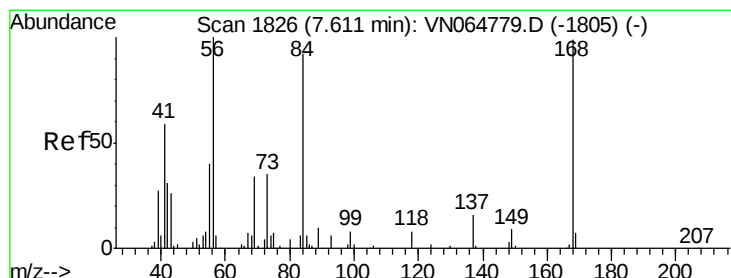
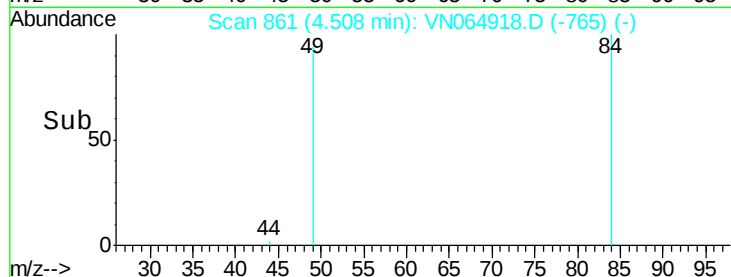
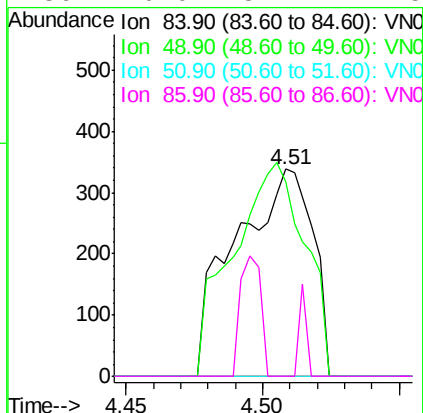
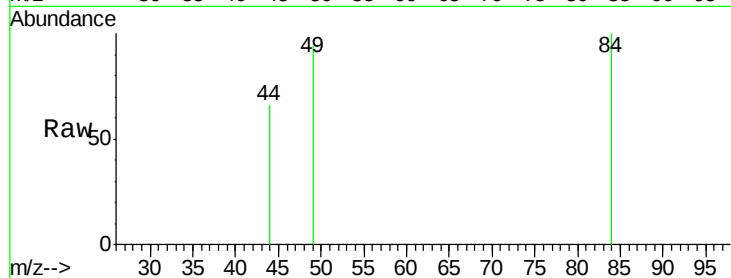




#20
Methvlene Chloride
Concen: 0.338 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064918.D
Acq: 4 Dec 2020 14:53

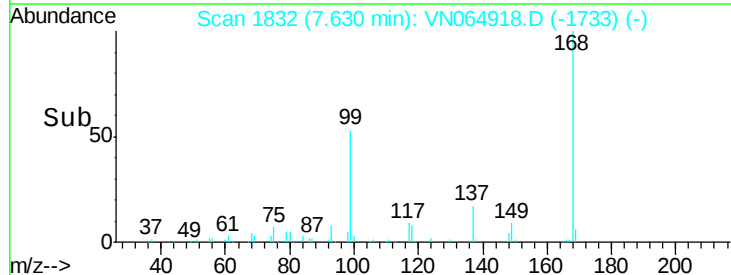
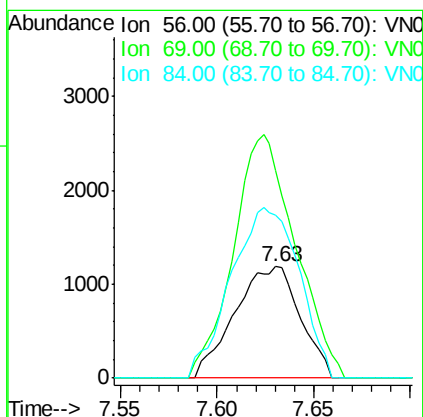
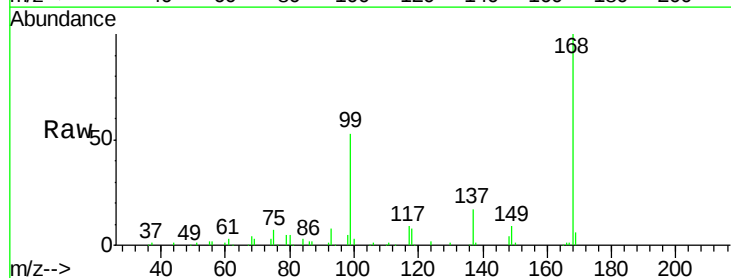
Instrument :
MSVOA_N
ClientSampleId :
SS013-05-568-120120

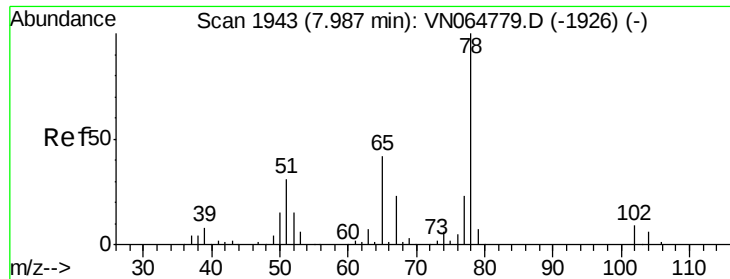
Tot Ion: 84 Resp: 667
Ion Ratio Lower Upper
84 100
49 94.1 93.4 140.0
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064918.D
Acq: 4 Dec 2020 14:53

Tgt Ion: 56 Resp: 2786
Ion Ratio Lower Upper
56 100
69 185.5 27.5 41.3#
84 145.6 73.9 110.9#

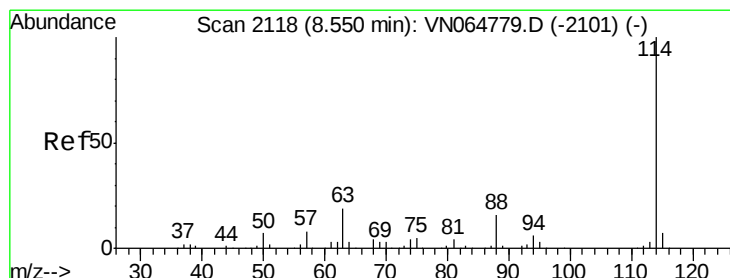
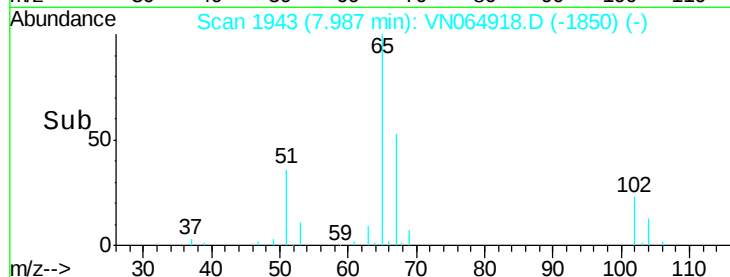
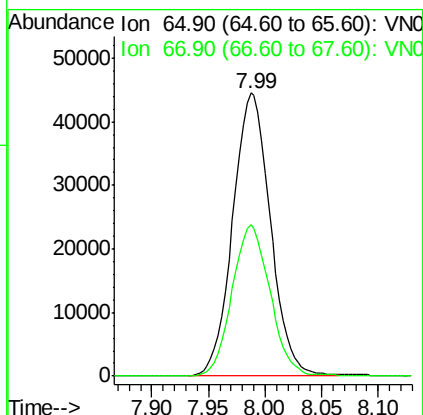
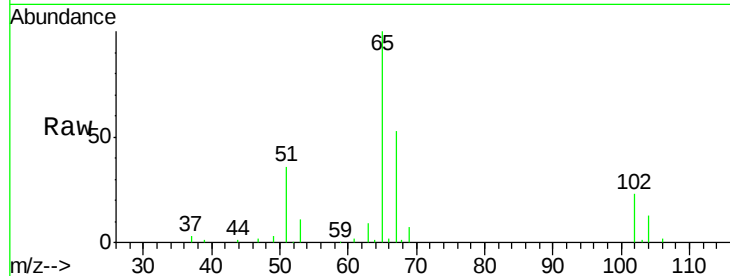




#33
 1,2-Dichloroethane-d4
 Concen: 53.825 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064918.D
 Acq: 4 Dec 2020 14:53

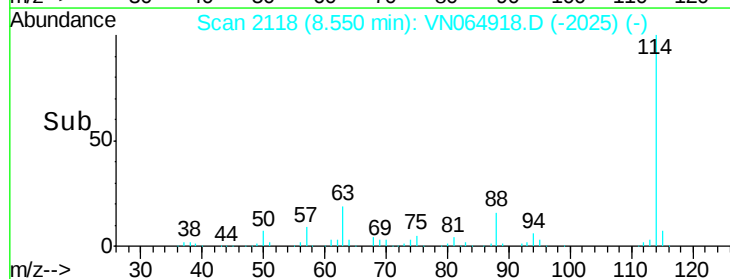
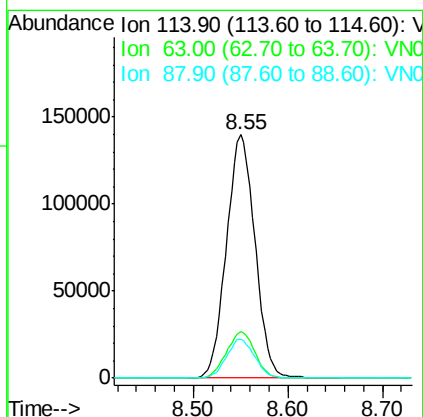
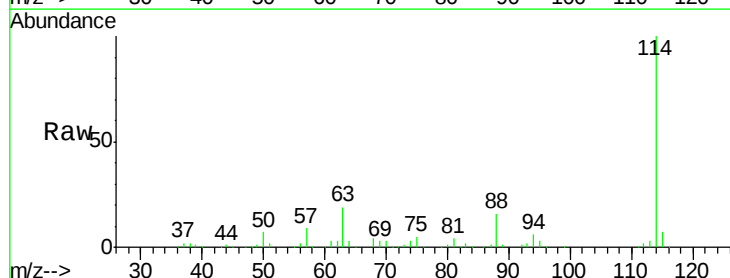
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-05-568-120120

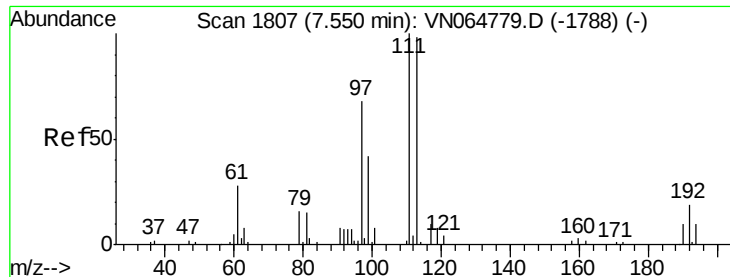
Tot Ion: 65 Resp: 103204
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064918.D
 Acq: 4 Dec 2020 14:53

Tgt Ion: 114 Resp: 293506
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 16.0 0.0 32.6

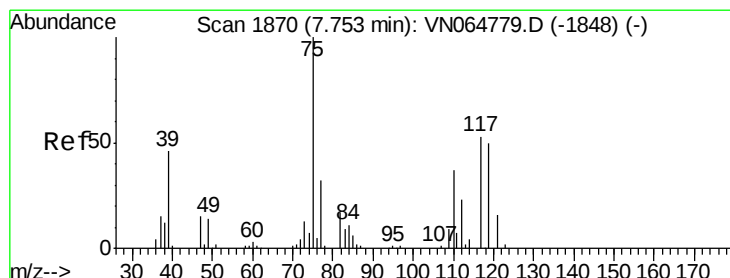
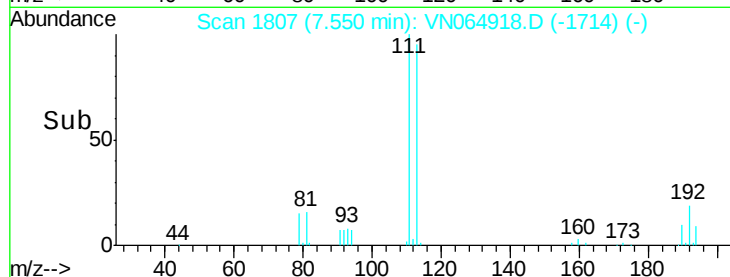
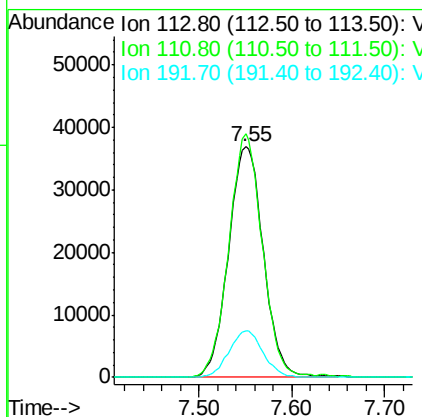
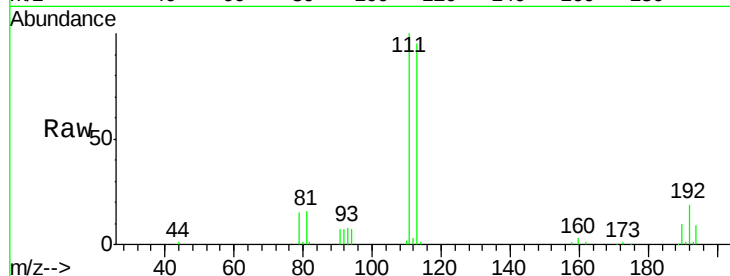




#35
 Dibromofluoromethane
 Concen: 54.860 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064918.D
 Acq: 4 Dec 2020 14:53

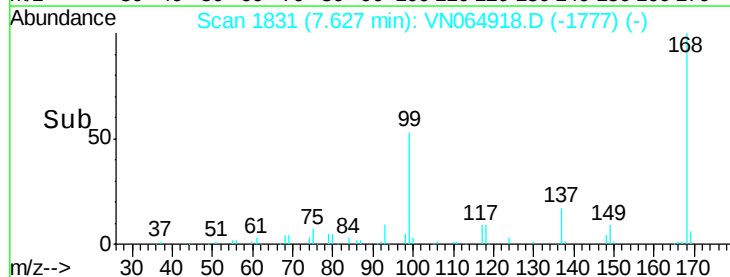
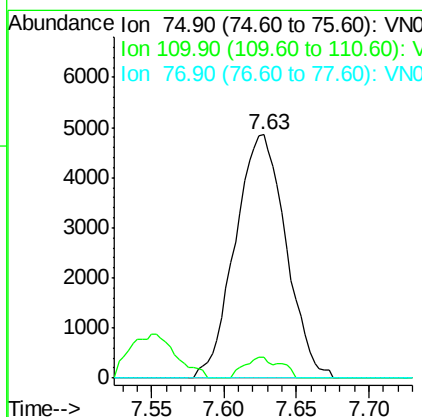
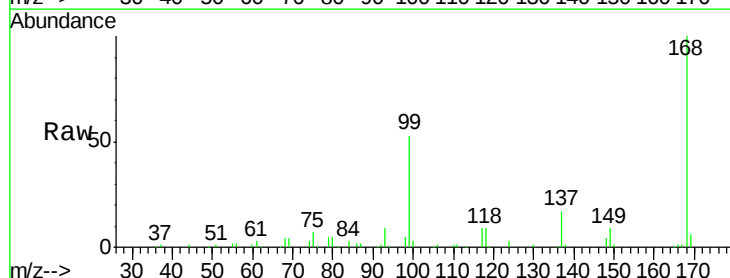
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-05-568-120120

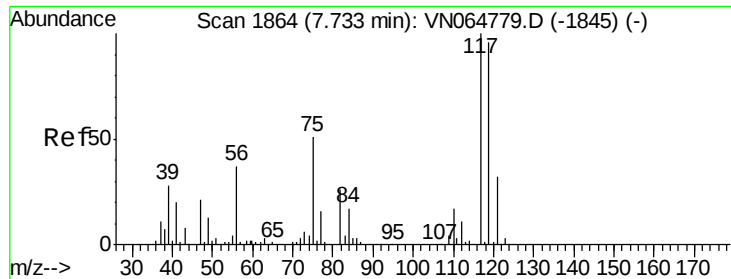
Tot Ion:113 Resp: 96347
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.6 122.4
 192 19.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.347 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064918.D
 Acq: 4 Dec 2020 14:53

Tgt Ion: 75 Resp: 11826
 Ion Ratio Lower Upper
 75 100
 110 6.1 17.8 53.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.187 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064918.D

Acq: 4 Dec 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

SS013-05-568-120120

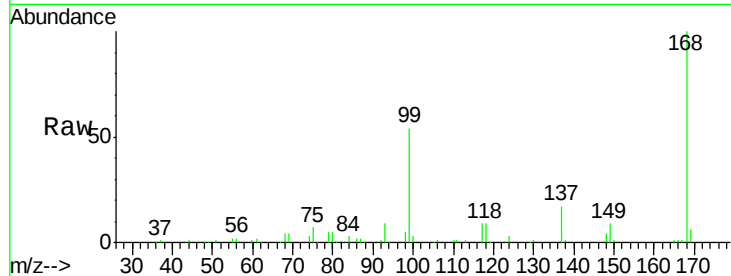
Tot Ion:117 Resp: 14684

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

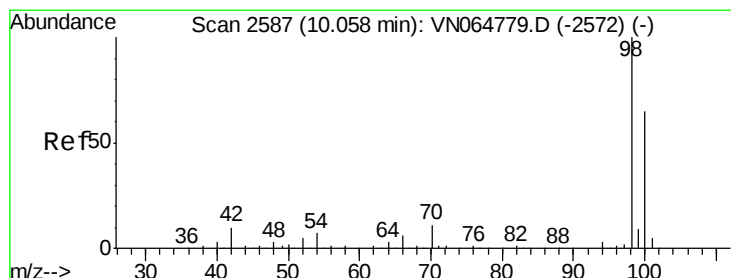
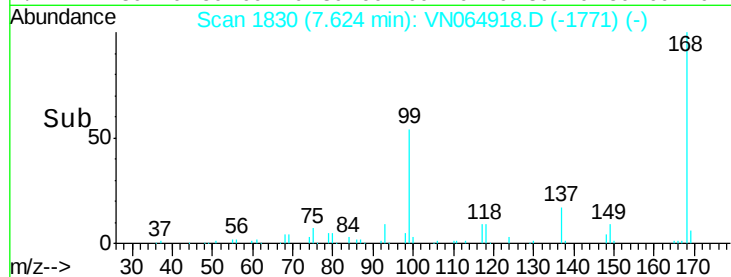
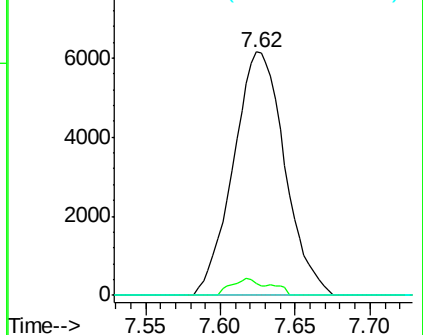
121 0.0 25.4 38.2#



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



#50

Toluene-d8

Concen: 51.240 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064918.D

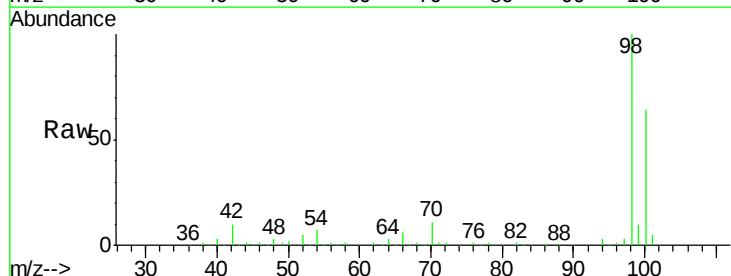
Acq: 4 Dec 2020 14:53

Tgt Ion: 98 Resp: 367694

Ion Ratio Lower Upper

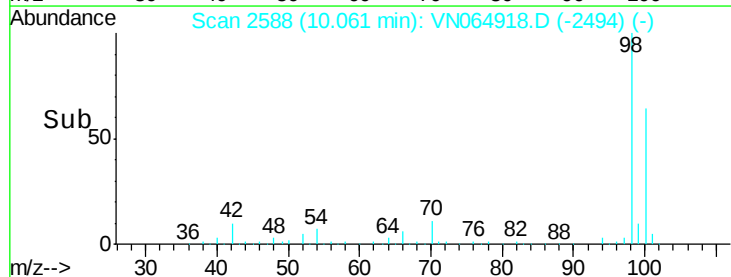
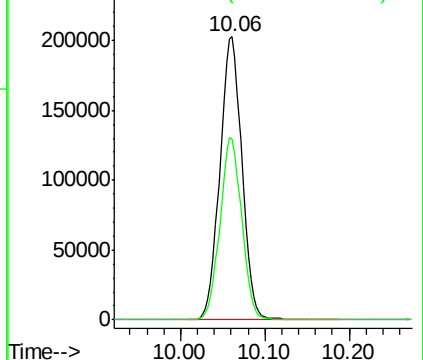
98 100

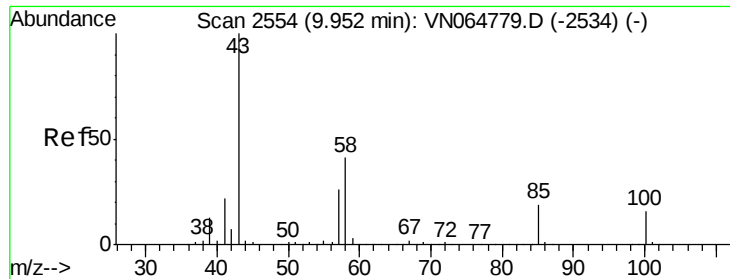
100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.529 ug/l

RT: 10.06 min Scan# 2589

Delta R.T. 0.11 min

Lab File: VN064918.D

Acq: 4 Dec 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

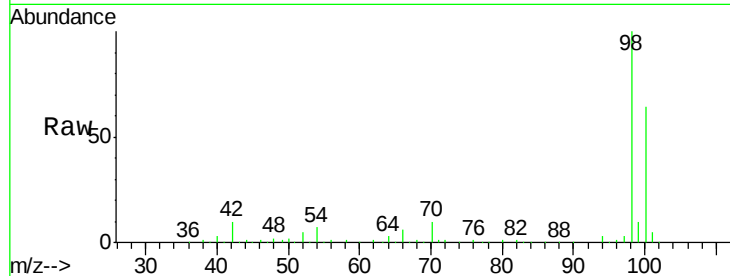
SS013-05-568-120120

Tot Ion: 43 Resp: 1339

Ion Ratio Lower Upper

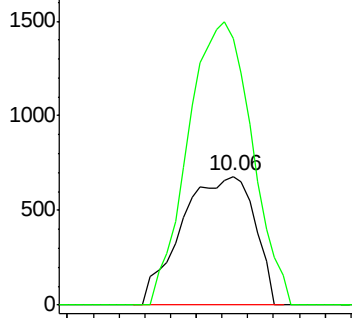
43 100

58 192.1 32.4 48.6#

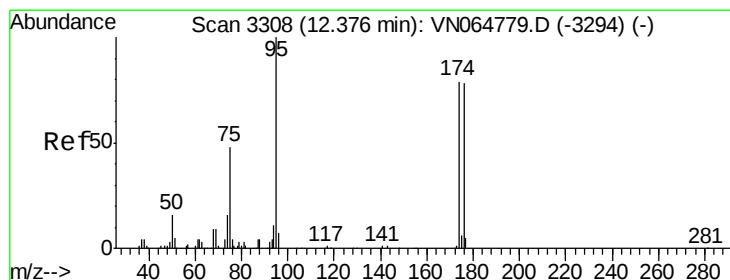
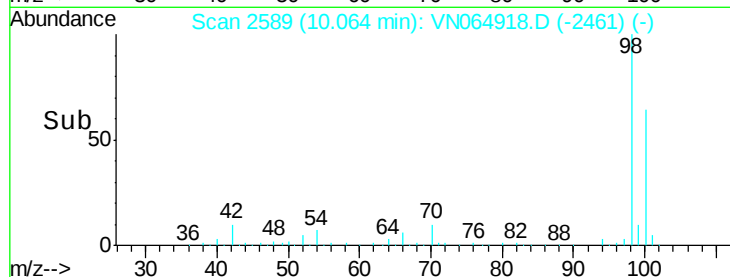


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 54.458 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064918.D

Acq: 4 Dec 2020 14:53

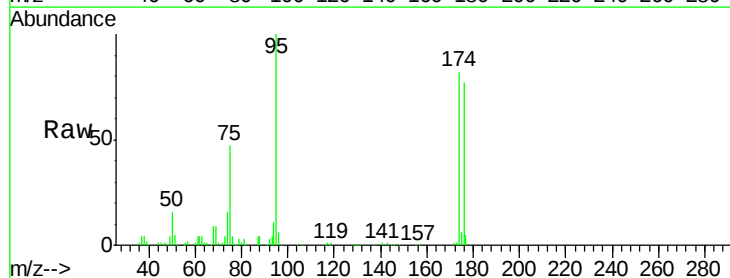
Tgt Ion: 95 Resp: 139854

Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.4

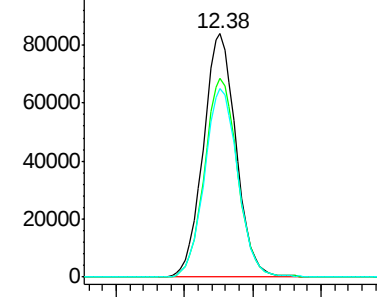
176 78.9 0.0 158.4



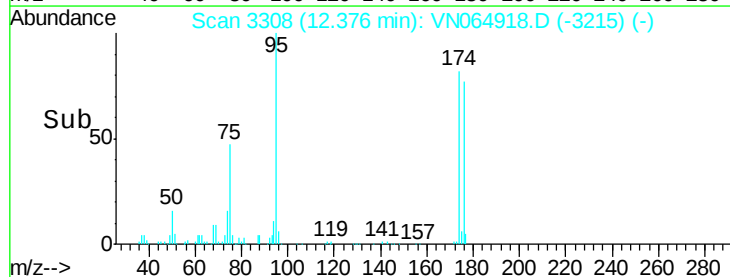
Abundance Ion 94.90 (94.60 to 95.60): VN0

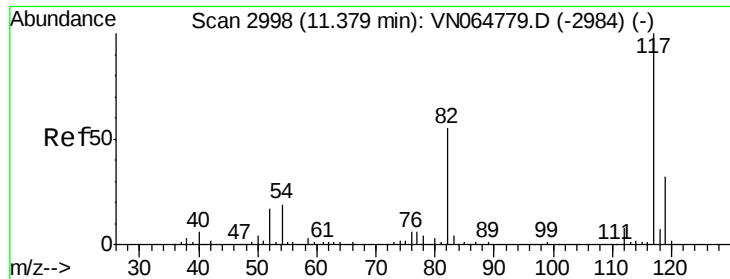
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

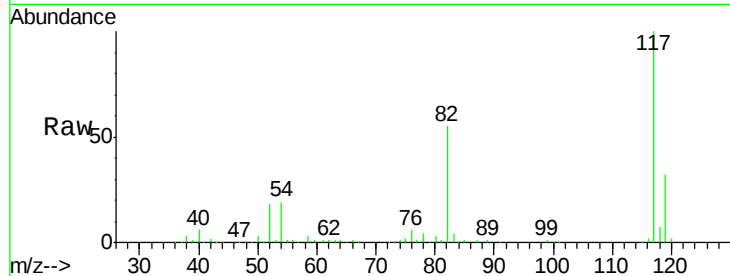




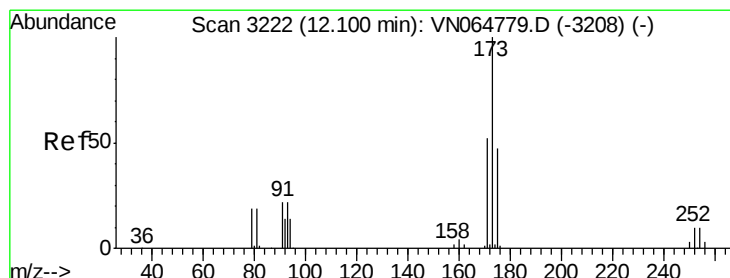
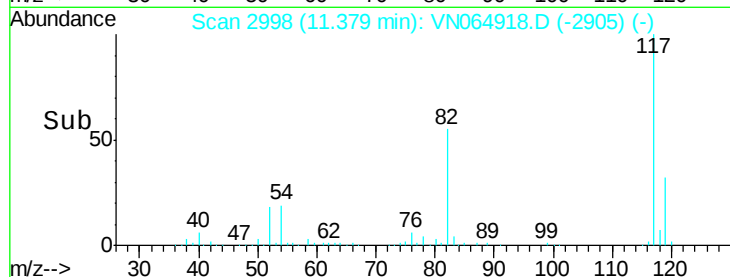
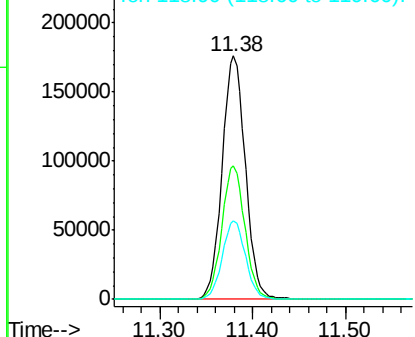
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064918.D
Acq: 4 Dec 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
SS013-05-568-120120

Tot Ion:117 Resp: 305921
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.4 25.8 38.6

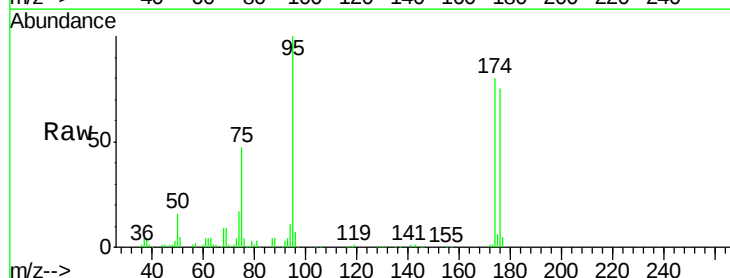


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

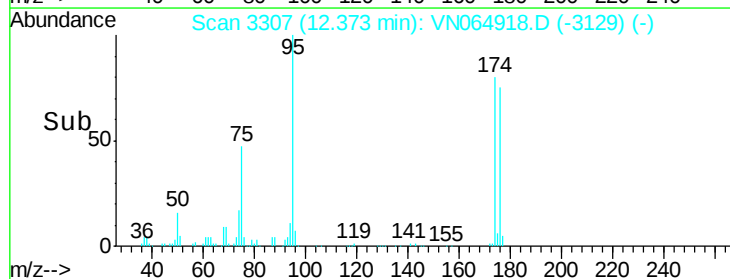
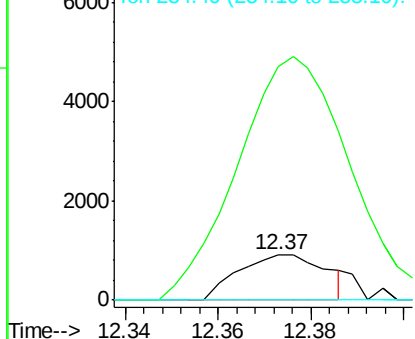


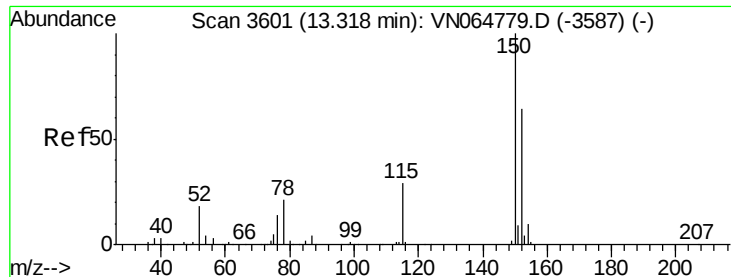
#71
Bromoform
Concen: 0.622 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064918.D
Acq: 4 Dec 2020 14:53

Tgt Ion:173 Resp: 1199
Ion Ratio Lower Upper
173 100
175 573.7 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# 3601

Delta R.T. -0.00 min

Lab File: VN064918.D

Acq: 4 Dec 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

SS013-05-568-120120

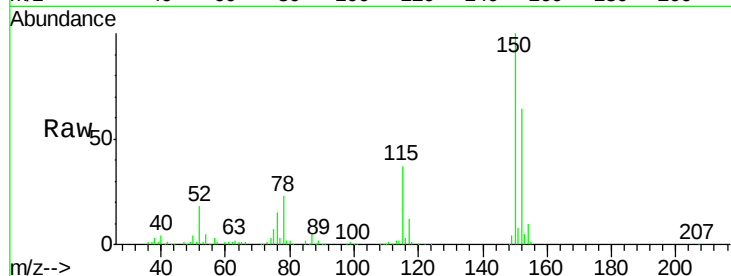
Tot Ion:152 Resp: 134268

Ion Ratio Lower Upper

152 100

115 58.2 29.7 89.1

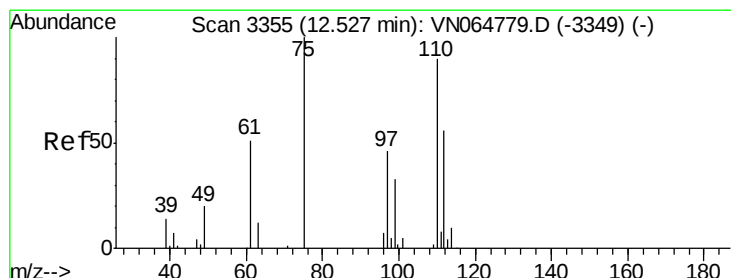
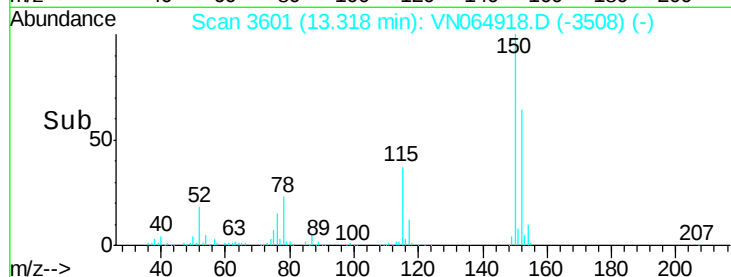
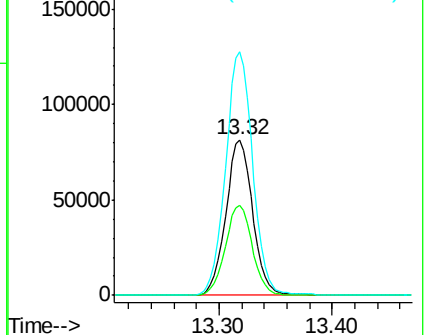
150 158.7 0.0 350.6



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: 22.773 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064918.D

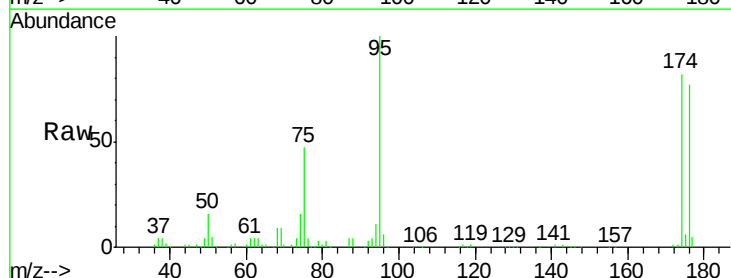
Acq: 4 Dec 2020 14:53

Tgt Ion: 75 Resp: 65849

Ion Ratio Lower Upper

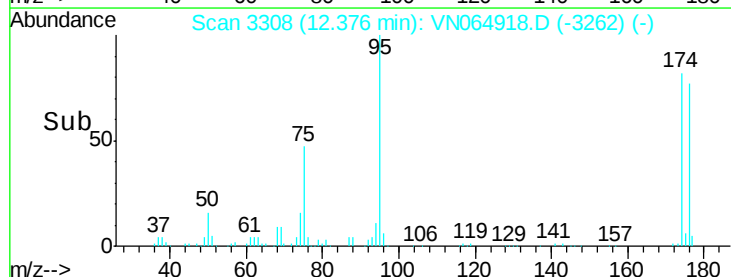
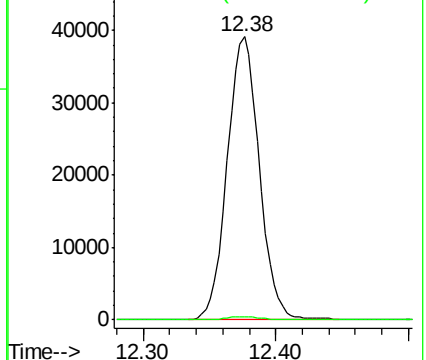
75 100

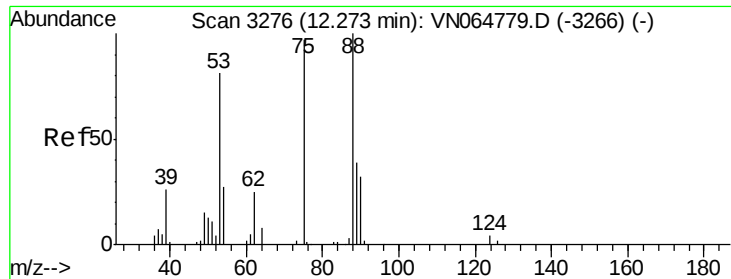
77 0.6 0.0 0.0#



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: 62.415 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064918.D

Acq: 4 Dec 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

SS013-05-568-120120

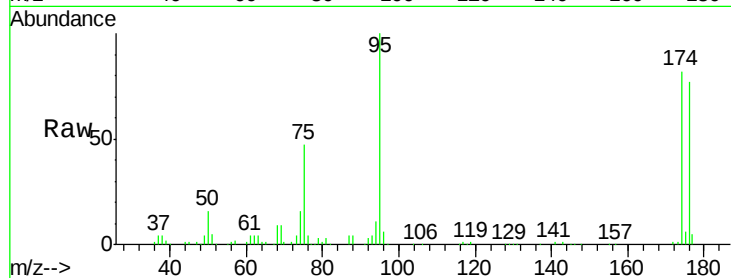
Tot Ion: 75 Resp: 65849

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



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

