

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064926.D
 Acq On : 4 Dec 2020 18:06
 Operator : JC/MD
 Sample : L4954-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD01-120120

Quant Time: Dec 05 01:33:15 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	166689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	298401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	102332	52.81	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.62%
35) Dibromofluoromethane	7.55	113	96327	53.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.90%
50) Toluene-d8	10.06	98	367395	50.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.72%
62) 4-Bromofluorobenzene	12.38	95	141891	54.34	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.68%

Target Compounds

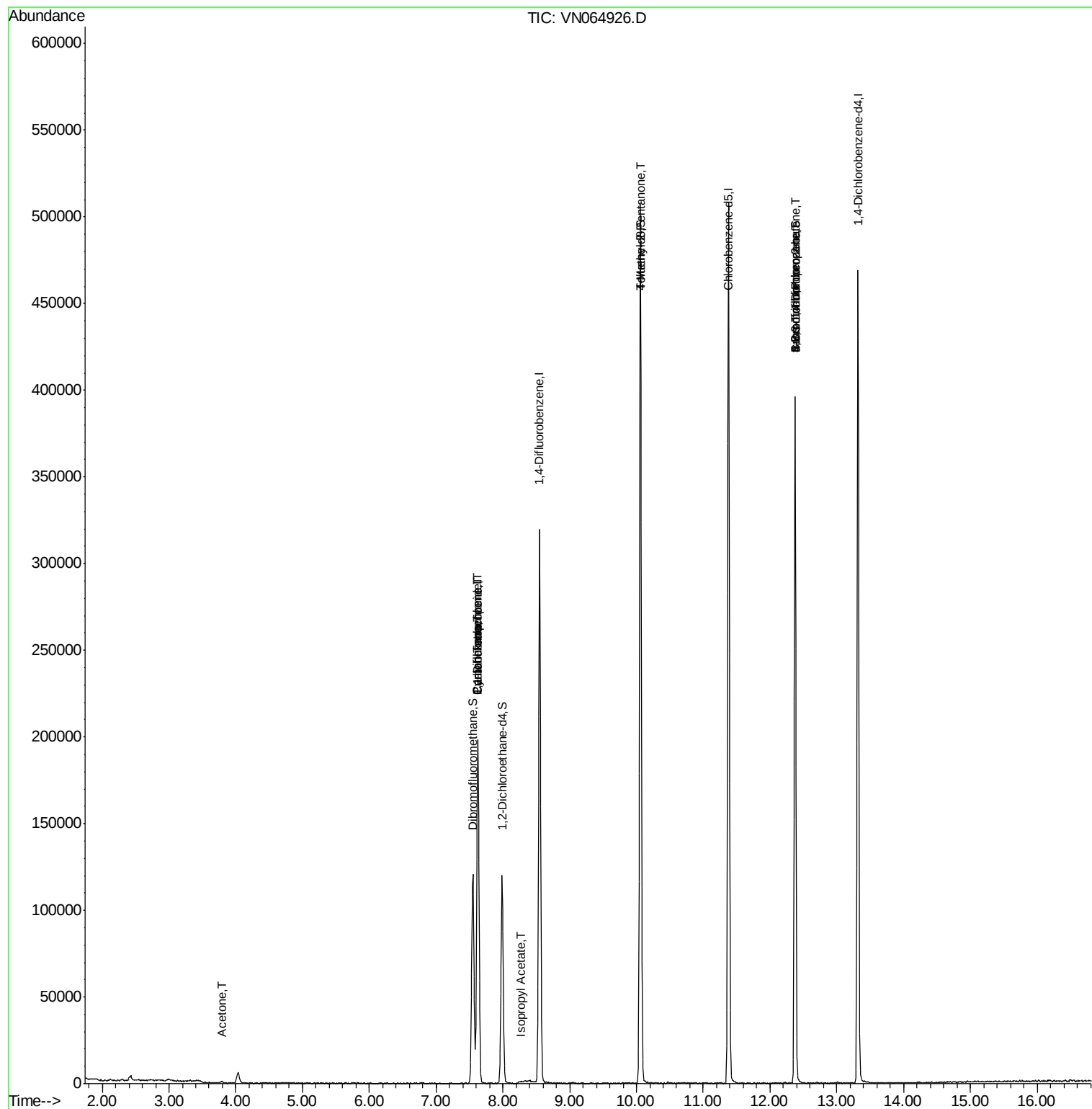
					Qvalue	
16) Acetone	3.78	43	1754	2.753	ug/l	92
31) Cyclohexane	7.63	56	3056	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11531	4.169	ug/l #	50
38) Carbon Tetrachloride	7.63	117	15484	5.380	ug/l #	16
43) Isopropyl Acetate	8.26	43	877	0.205	ug/l #	59
51) 4-Methyl-2-Pentanone	10.06	43	1529	0.594	ug/l #	1
71) Bromoform	12.38	173	1236	0.641	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	66268	22.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	66268	62.491	ug/l #	15

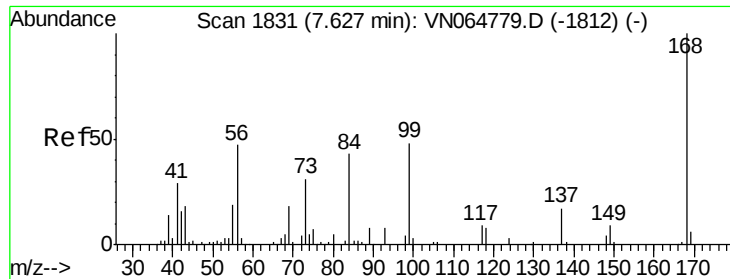
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120420\
Data File : VN064926.D
Acq On : 4 Dec 2020 18:06
Operator : JC/MD
Sample : L4954-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD01-120120

Quant Time: Dec 05 01:33:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
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: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

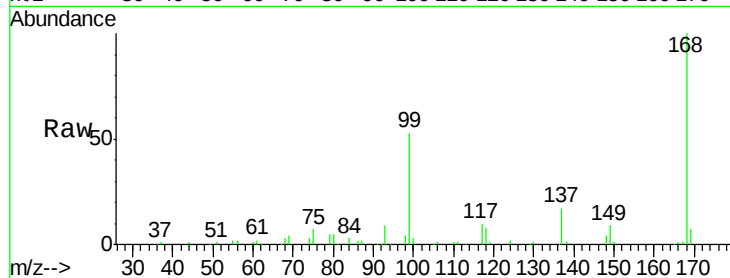
SS013-13-FD01-120120

Tot Ion:168 Resp: 166689

Ion Ratio Lower Upper

168 100

99 52.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

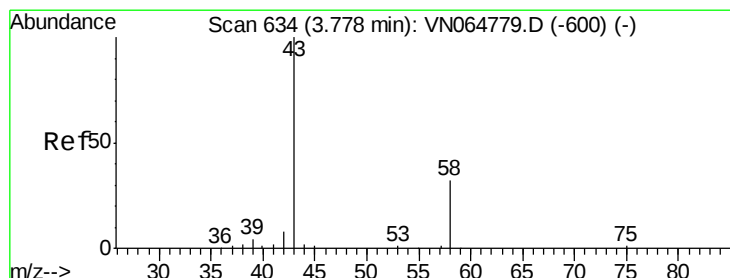
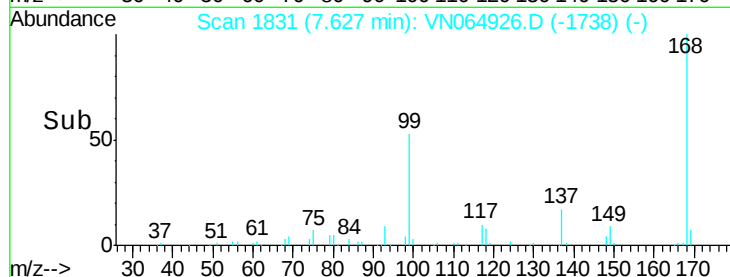
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 2.753 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064926.D

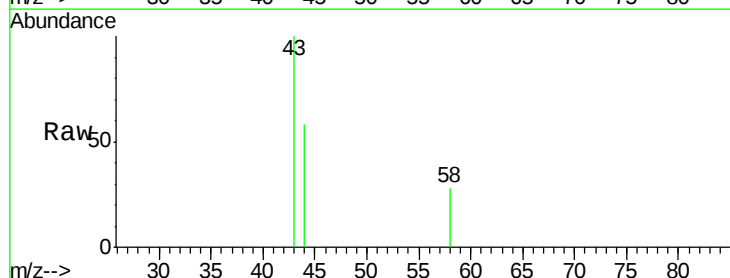
Acq: 4 Dec 2020 18:06

Tgt Ion: 43 Resp: 1754

Ion Ratio Lower Upper

43 100

58 27.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

800

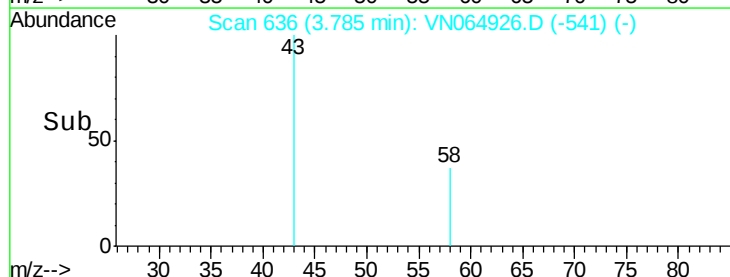
600

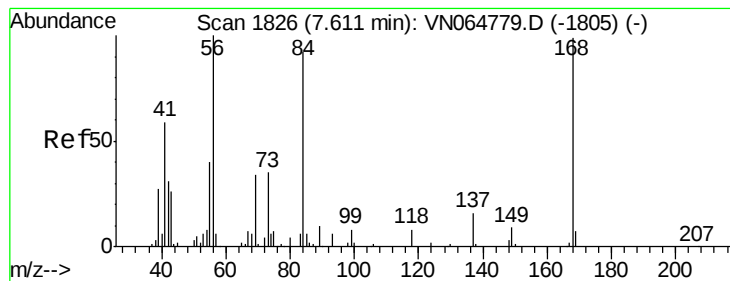
400

200

0

Time--> 3.75 3.80 3.85





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD01-120120

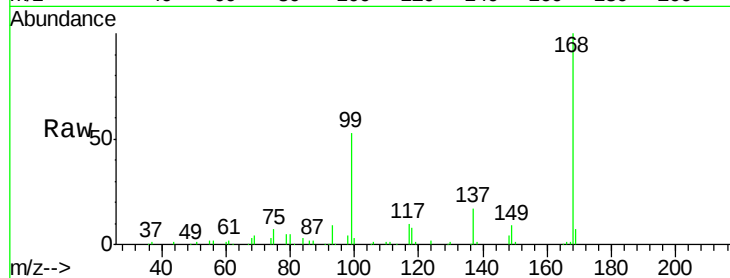
Tot Ion: 56 Resp: 3056

Ion Ratio Lower Upper

56 100

69 213.0 27.5 41.3#

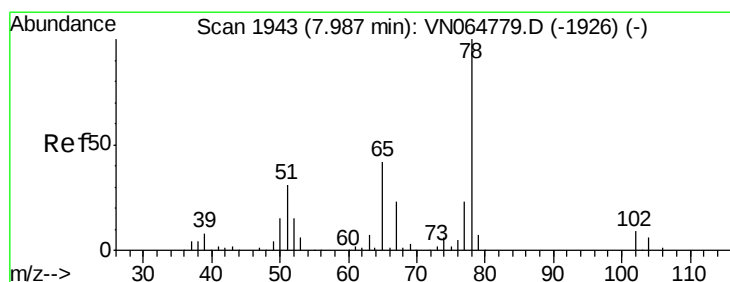
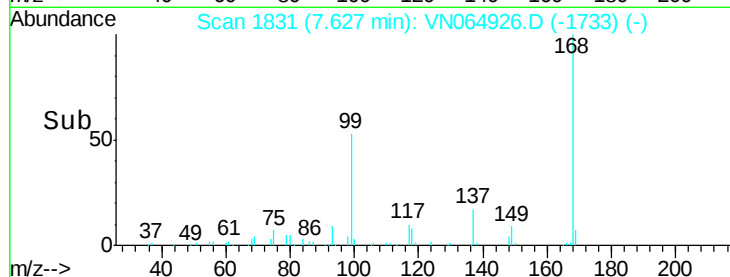
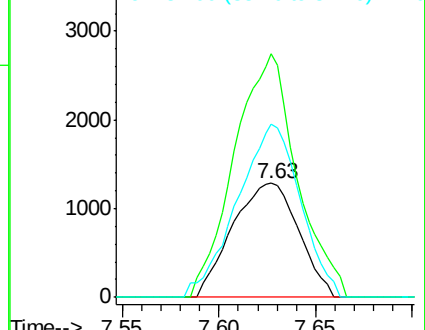
84 151.9 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.806 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064926.D

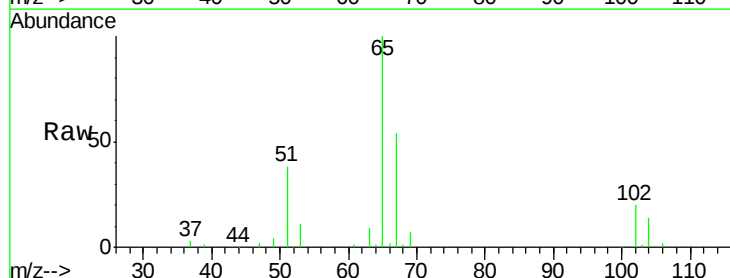
Acq: 4 Dec 2020 18:06

Tgt Ion: 65 Resp: 102332

Ion Ratio Lower Upper

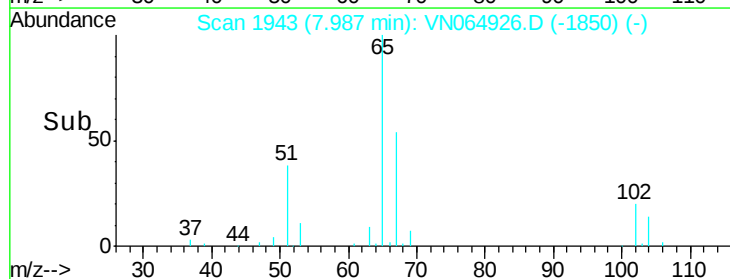
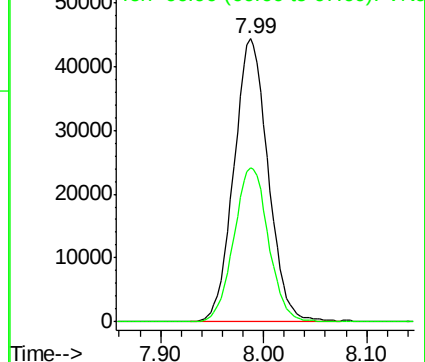
65 100

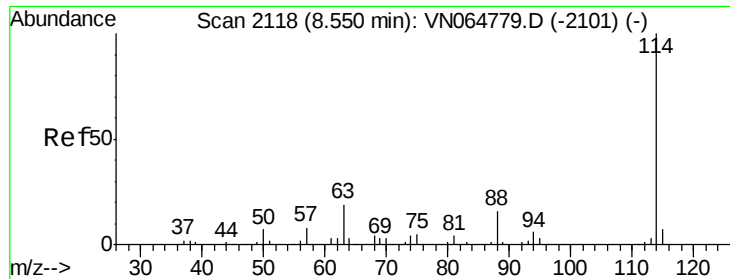
67 55.0 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

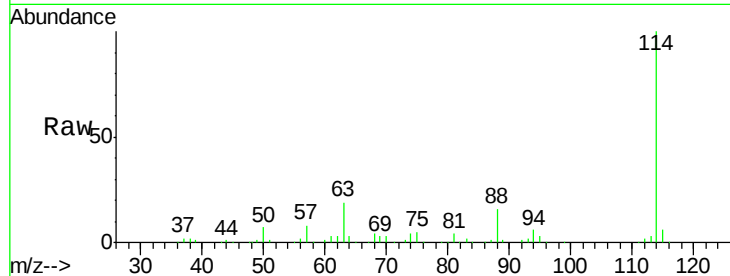




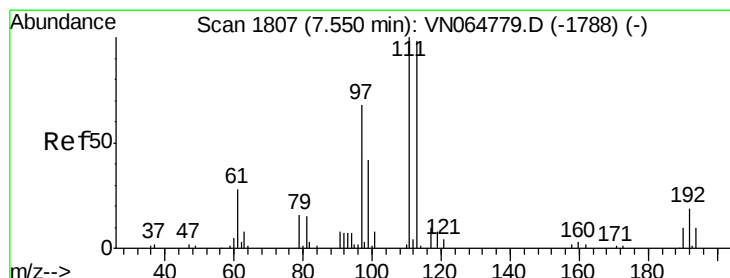
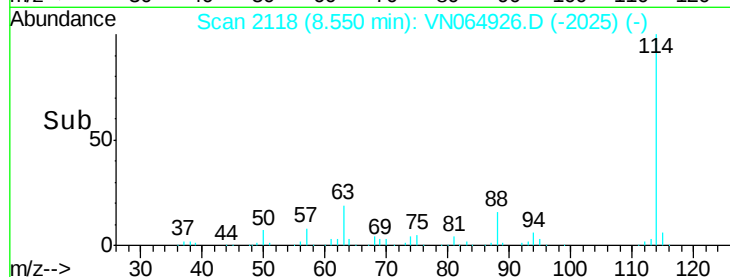
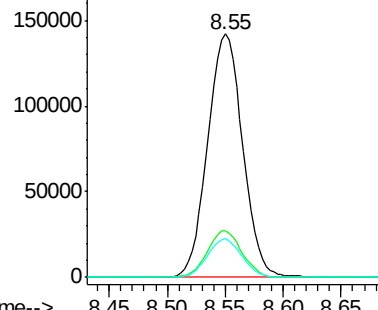
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064926.D
 Acq: 4 Dec 2020 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD01-120120

Tot Ion:114 Resp: 298401
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.8 0.0 32.6

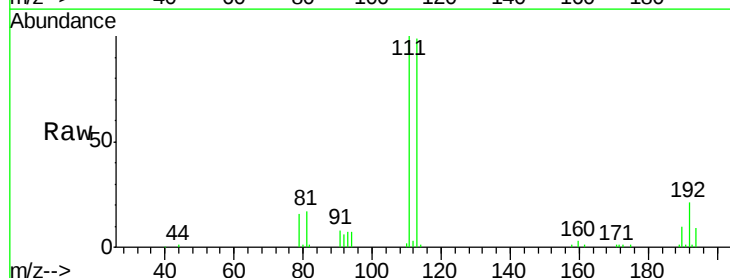


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

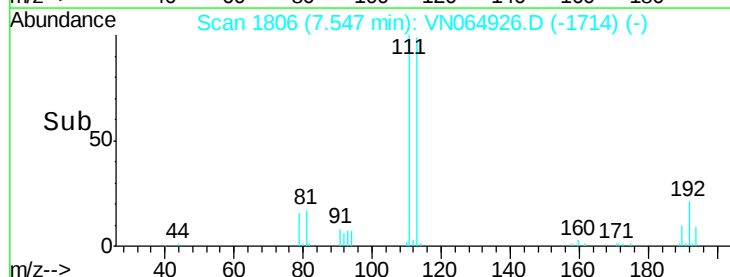
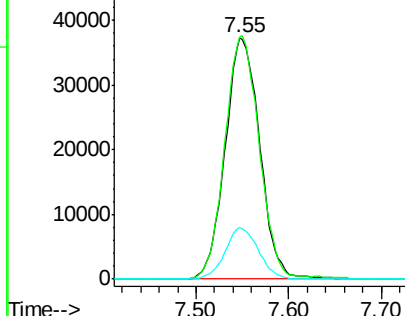


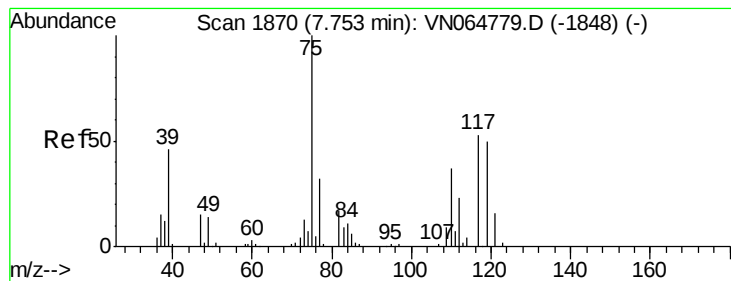
#35
 Dibromofluoromethane
 Concen: 53.949 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064926.D
 Acq: 4 Dec 2020 18:06

Tgt Ion:113 Resp: 96327
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.6 122.4
 192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD01-120120

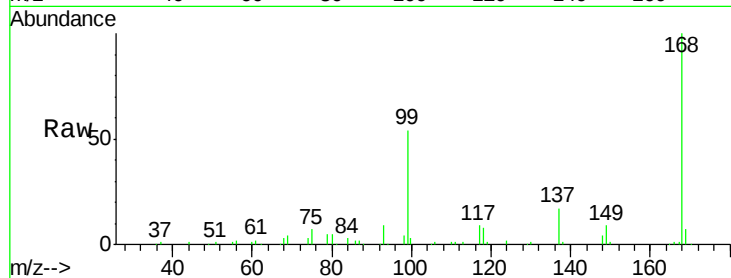
Tot Ion: 75 Resp: 11531

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 25.0 37.4#

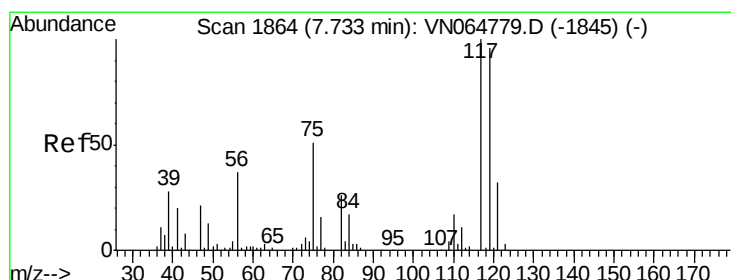
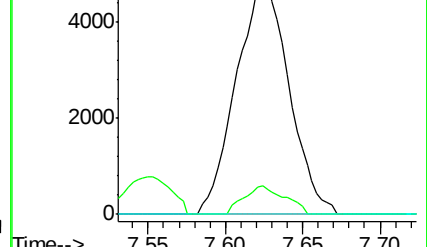
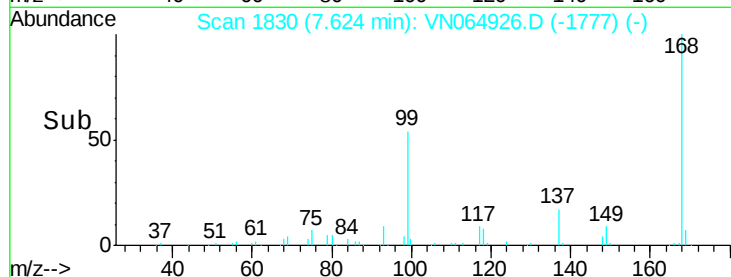


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.380 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

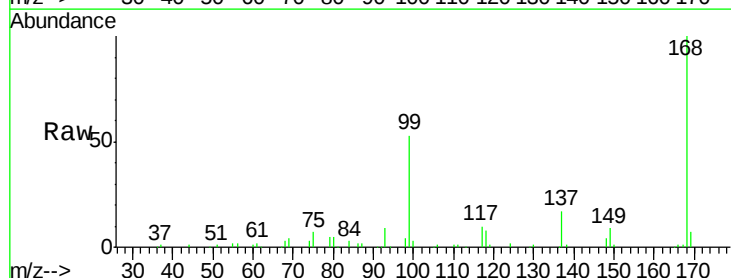
Tgt Ion: 117 Resp: 15484

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

121 0.0 25.4 38.2#

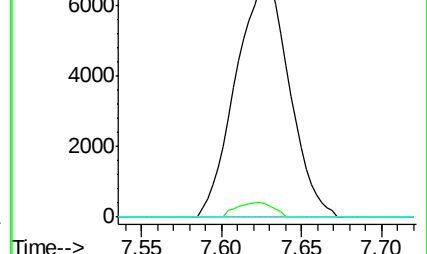
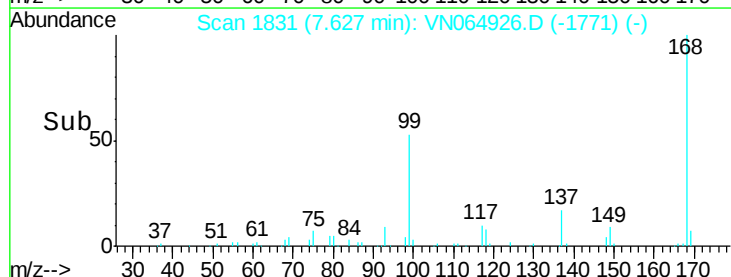


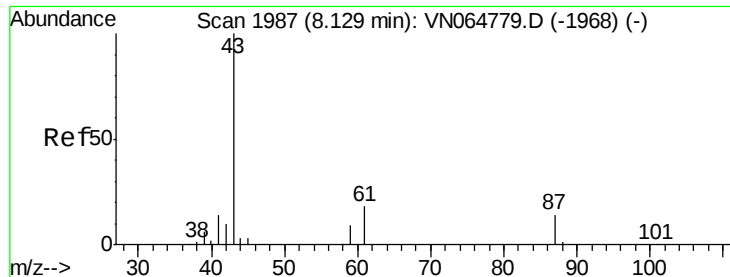
Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)

Time-->





#43

Isopropyl Acetate

Concen: 0.205 ug/l

RT: 8.26 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD01-120120

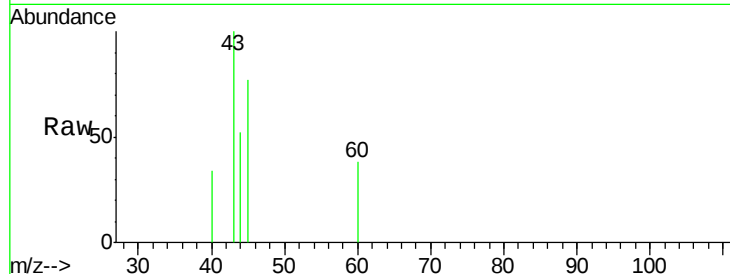
Tot Ion: 43 Resp: 877

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

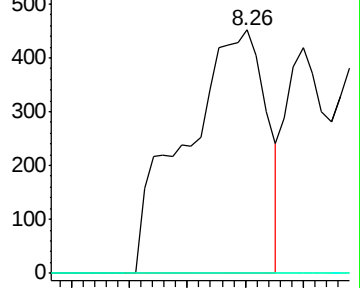
87 0.0 11.4 17.0#



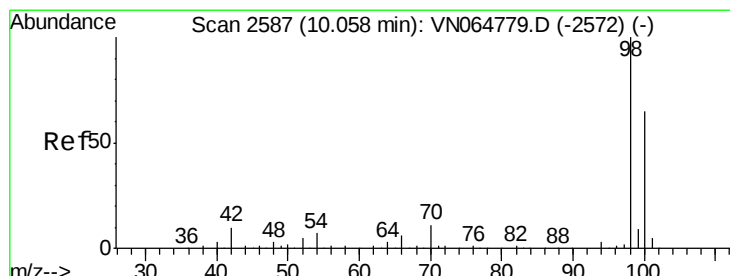
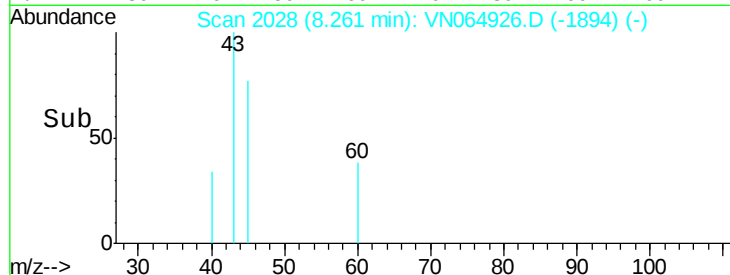
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->



#50

Toluene-d8

Concen: 50.359 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064926.D

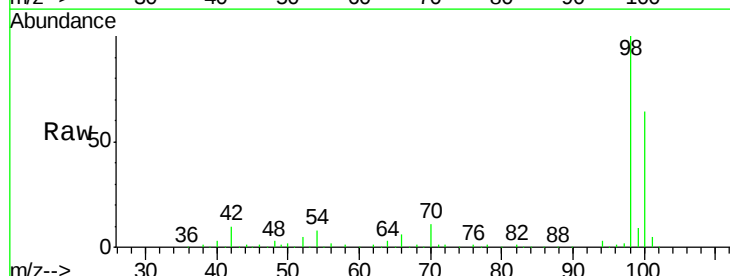
Acq: 4 Dec 2020 18:06

Tgt Ion: 98 Resp: 367395

Ion Ratio Lower Upper

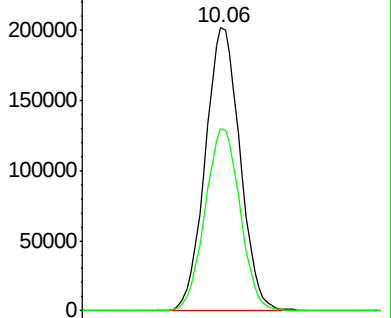
98 100

100 65.0 51.7 77.5

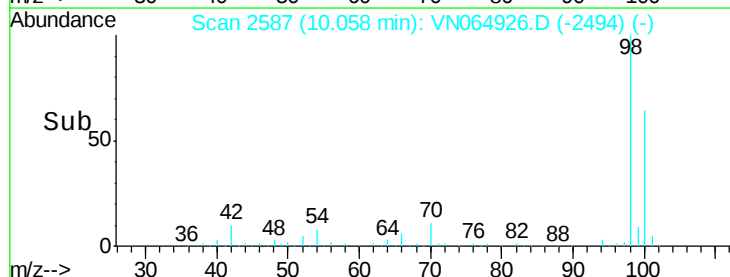


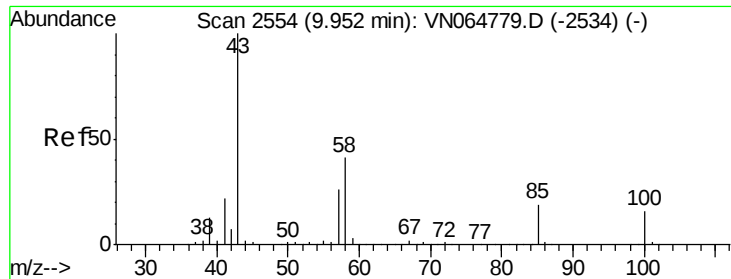
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.594 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

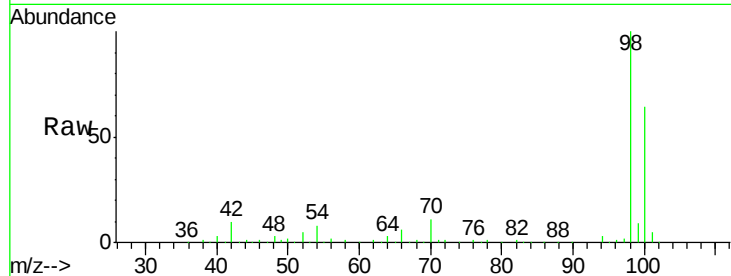
SS013-13-FD01-120120

Tot Ion: 43 Resp: 1529

Ion Ratio Lower Upper

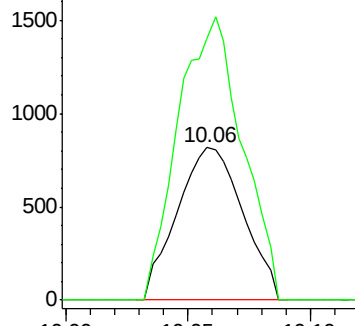
43 100

58 180.9 32.4 48.6#

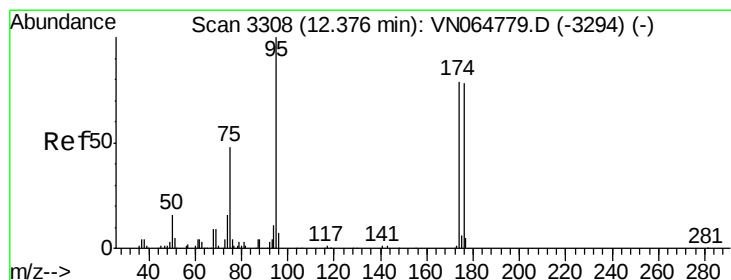
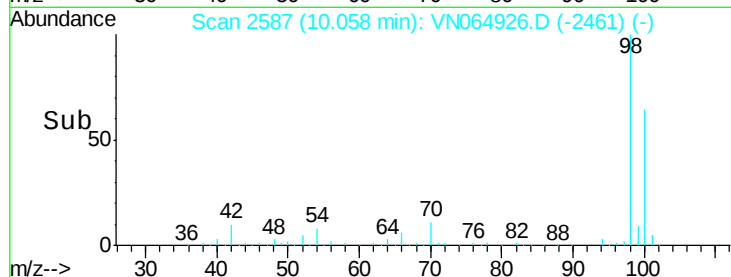


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.00 10.05 10.10



#62

4-Bromofluorobenzene

Concen: 54.345 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

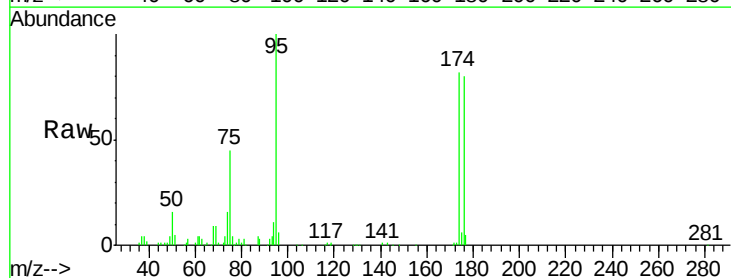
Tgt Ion: 95 Resp: 141891

Ion Ratio Lower Upper

95 100

174 82.4 0.0 160.4

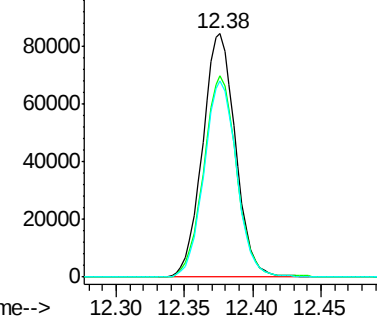
176 79.6 0.0 158.4



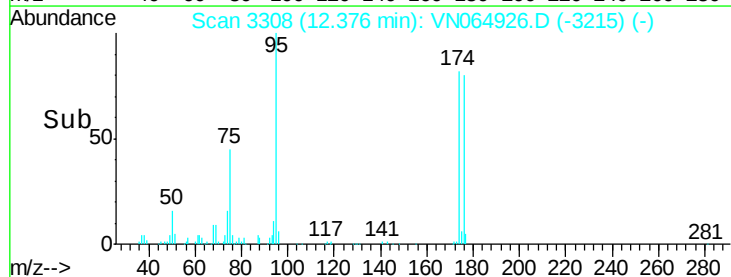
Abundance Ion 94.90 (94.60 to 95.60): VN0

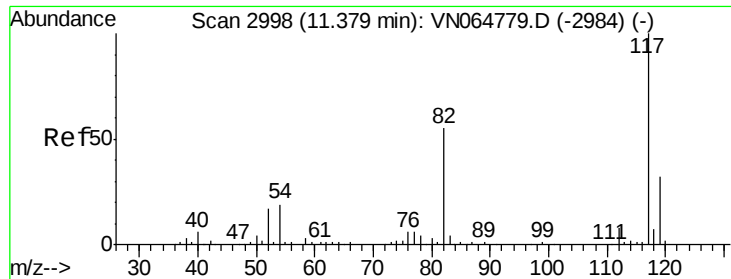
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.35 12.40 12.45

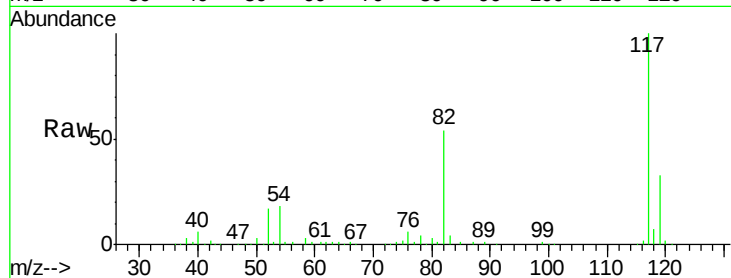




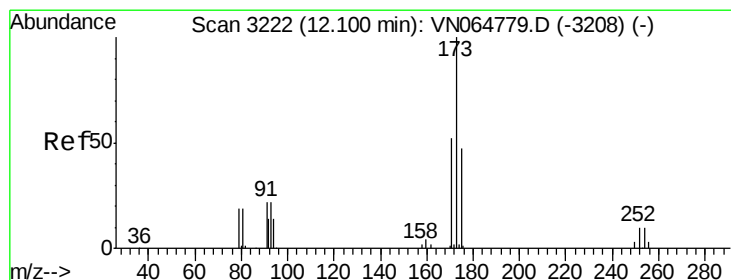
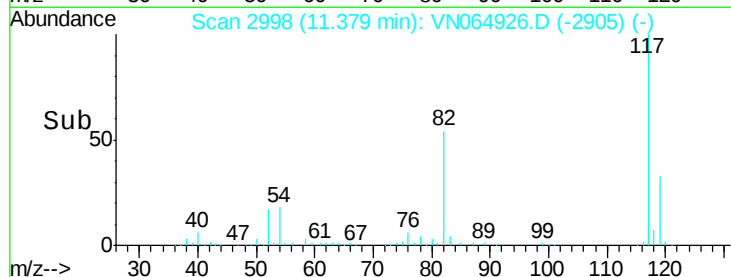
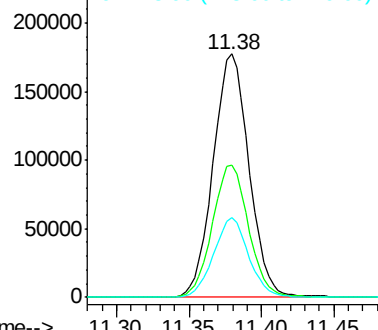
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064926.D
Acq: 4 Dec 2020 18:06

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD01-120120

Tot Ion:117 Resp: 305696
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.5 25.8 38.6

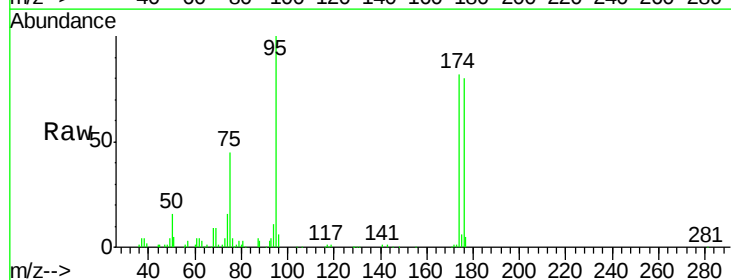


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

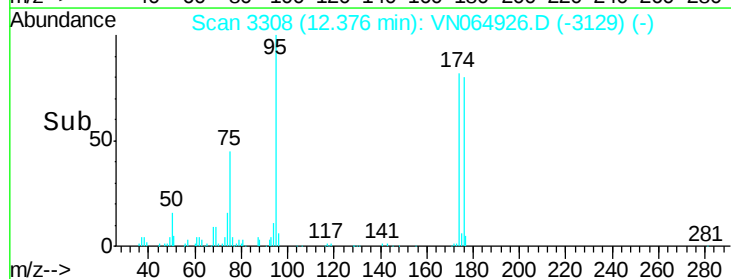
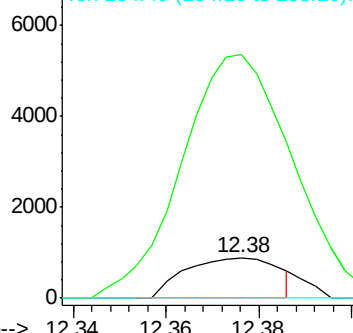


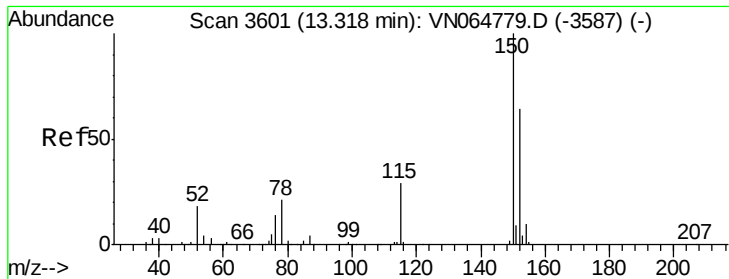
#71
Bromoform
Concen: 0.641 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064926.D
Acq: 4 Dec 2020 18:06

Tgt Ion:173 Resp: 1236
Ion Ratio Lower Upper
173 100
175 618.2 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# 3601

Delta R.T. 0.00 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD01-120120

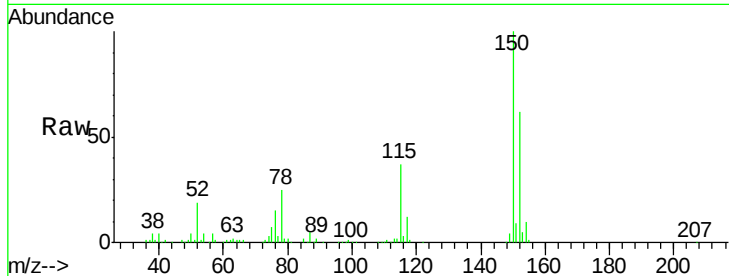
Tot Ion:152 Resp: 134957

Ion Ratio Lower Upper

152 100

115 57.5 29.7 89.1

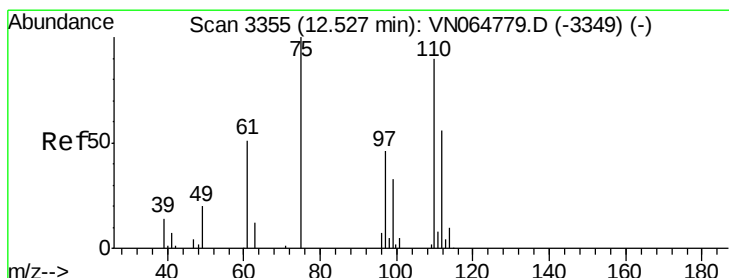
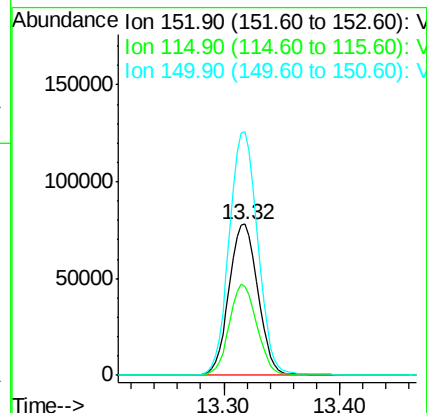
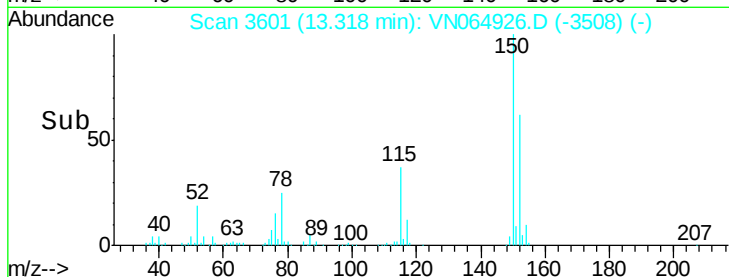
150 158.5 0.0 350.6



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: 22.801 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064926.D

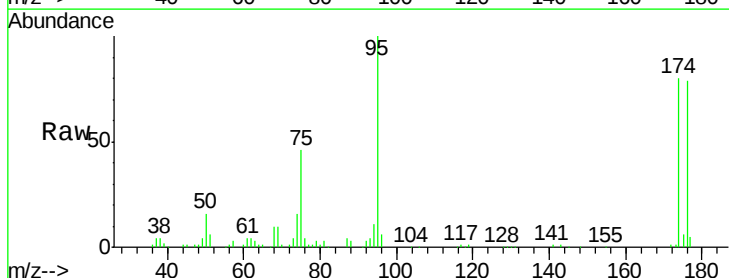
Acq: 4 Dec 2020 18:06

Tgt Ion: 75 Resp: 66268

Ion Ratio Lower Upper

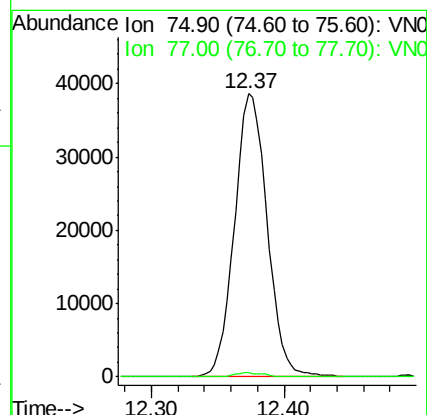
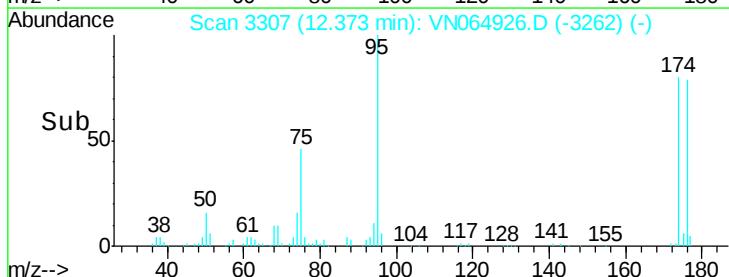
75 100

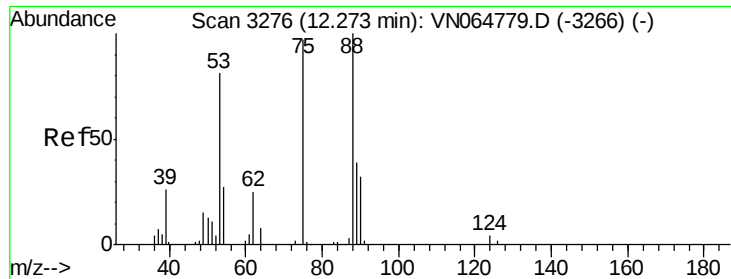
77 1.2 0.0 0.0#



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: 62.491 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064926.D

Acq: 4 Dec 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD01-120120

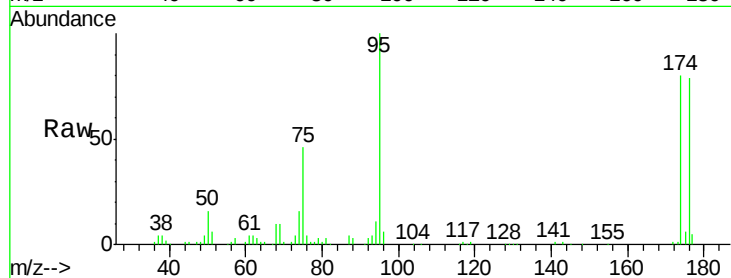
Tot Ion: 75 Resp: 66268

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

