

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064925.D
 Acq On : 4 Dec 2020 17:42
 Operator : JC/MD
 Sample : L4954-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6698-120120

Quant Time: Dec 05 01:32:50 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	168992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	311090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105781	53.84	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	107.68%
35) Dibromofluoromethane	7.55	113	95872	52.91	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.82%
50) Toluene-d8	10.06	98	378421	51.11	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.22%
62) 4-Bromofluorobenzene	12.38	95	144942	54.70	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.40%

Target Compounds

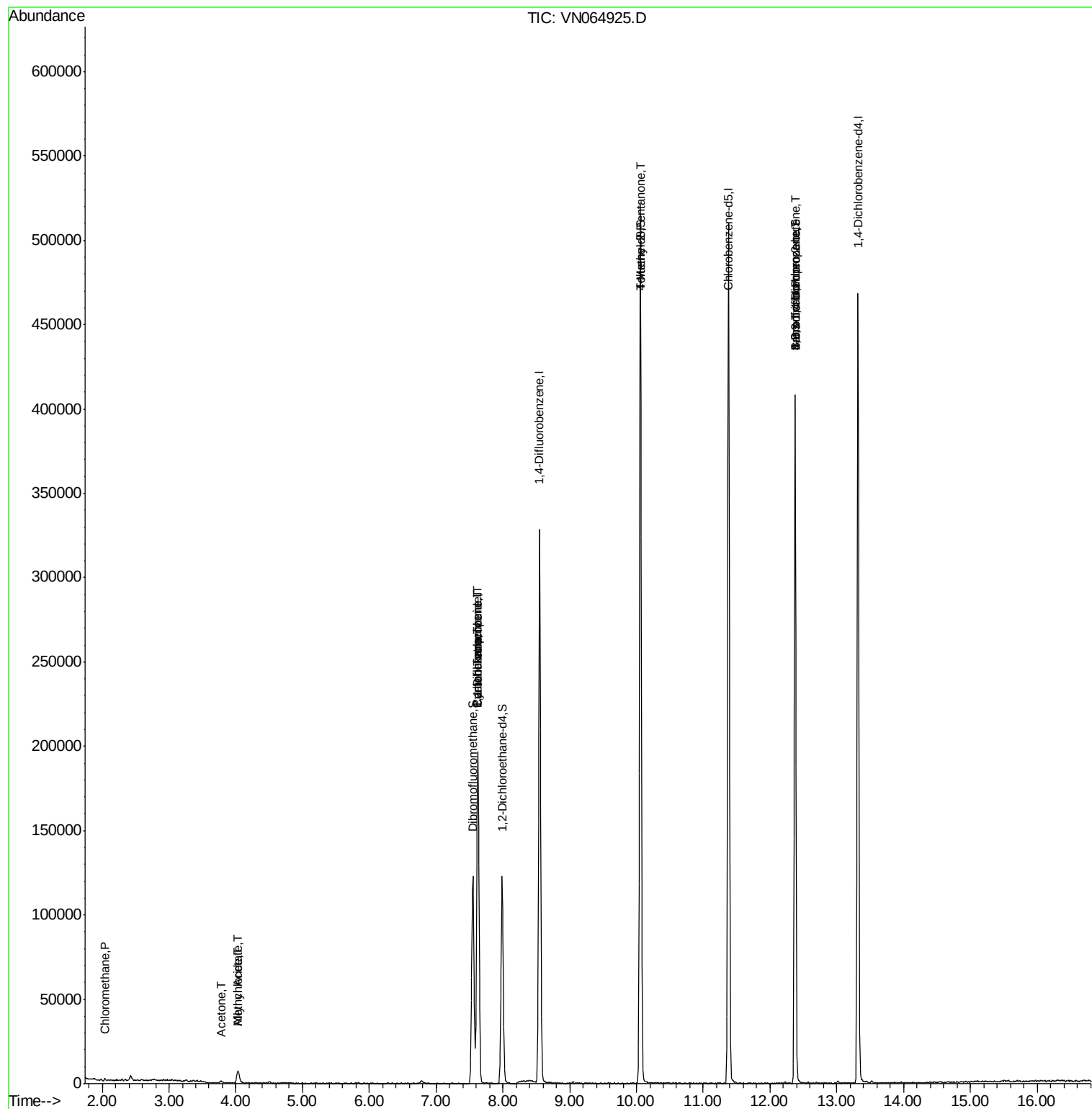
					Qvalue	
3) Chloromethane	2.04	50	928	0.488	ug/l #	85
14) Allyl chloride	4.04	41	1093	0.404	ug/l #	60
16) Acetone	3.78	43	2146	3.323	ug/l #	78
18) Methyl Acetate	4.03	43	3241	1.669	ug/l #	50
31) Cyclohexane	7.62	56	3279	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11440	4.075	ug/l #	47
38) Carbon Tetrachloride	7.62	117	15300	5.238	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	1492	0.571	ug/l #	1
71) Bromoform	12.38	173	987	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	67072	23.377	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67072	64.072	ug/l #	15

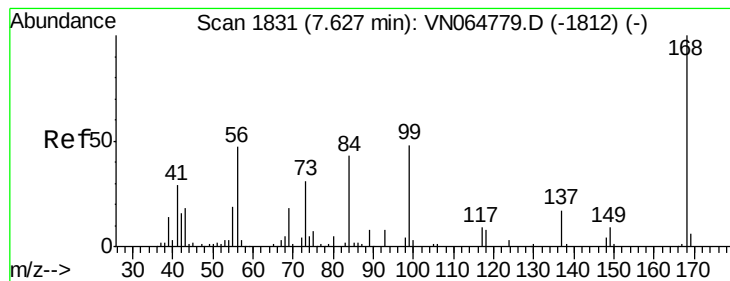
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064925.D

Acq: 4 Dec 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

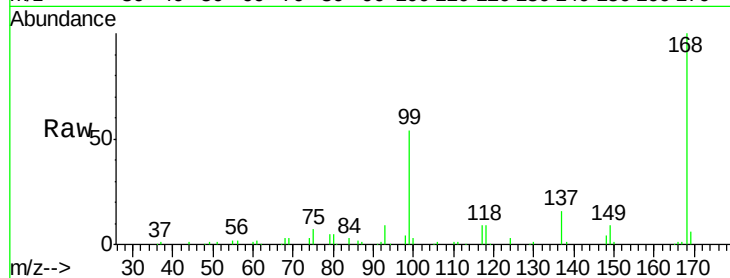
SS013-13-6698-120120

Tot Ion:168 Resp: 168992

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064925.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064925.D (-1738) (-)

7.63

80000

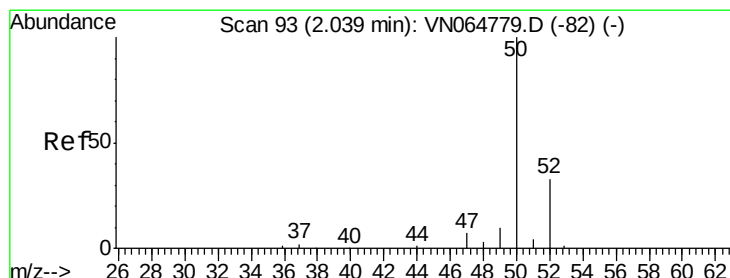
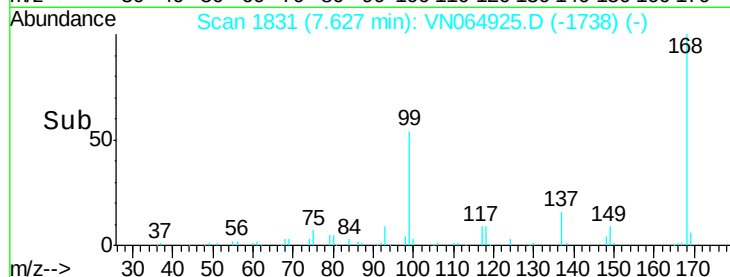
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.488 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064925.D

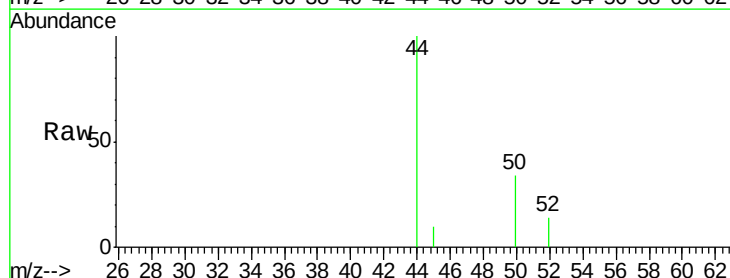
Acq: 4 Dec 2020 17:42

Tgt Ion: 50 Resp: 928

Ion Ratio Lower Upper

50 100

52 41.5 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VN064925.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN064925.D (-1) (-)

2.04

800

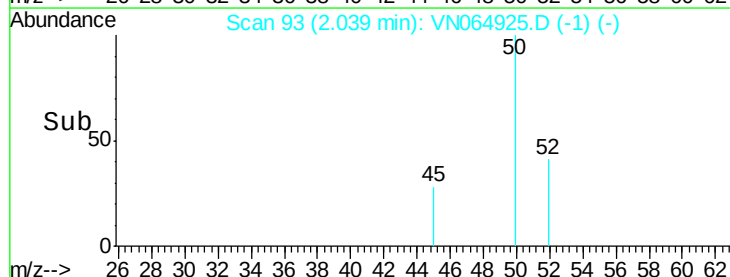
600

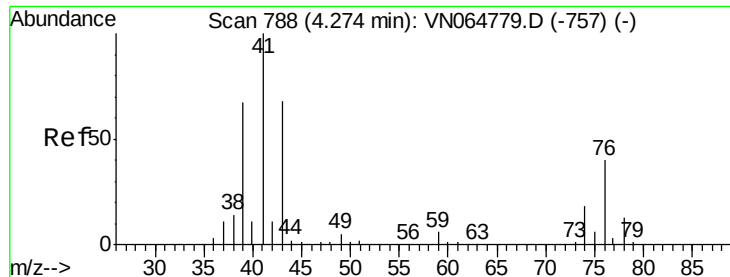
400

200

0

Time-->

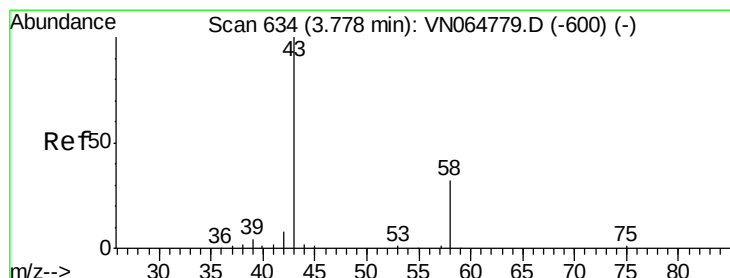
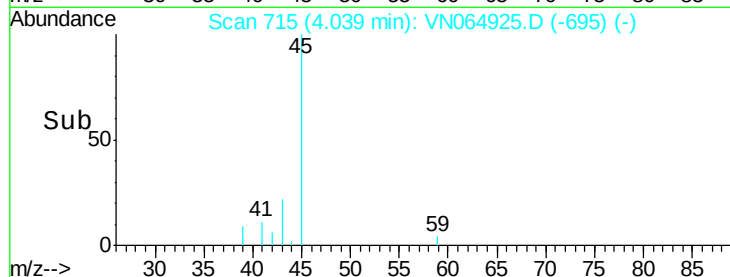
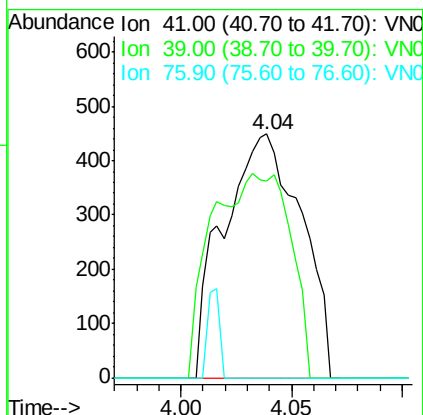
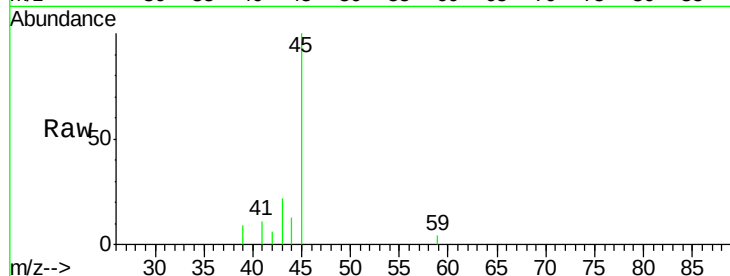




#14
Allvl chloride
Concen: 0.404 ug/l
RT: 4.04 min Scan# 715
Delta R.T. -0.23 min
Lab File: VN064925.D
Acq: 4 Dec 2020 17:42

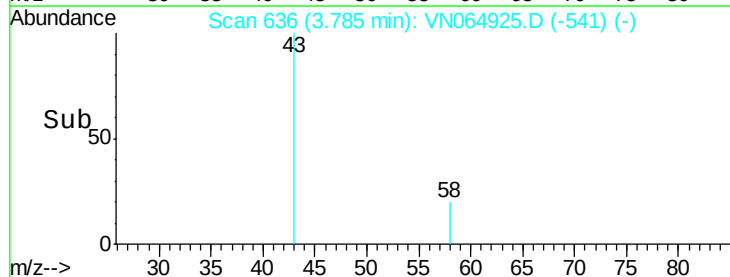
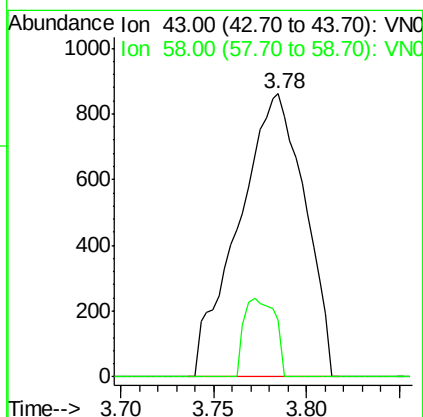
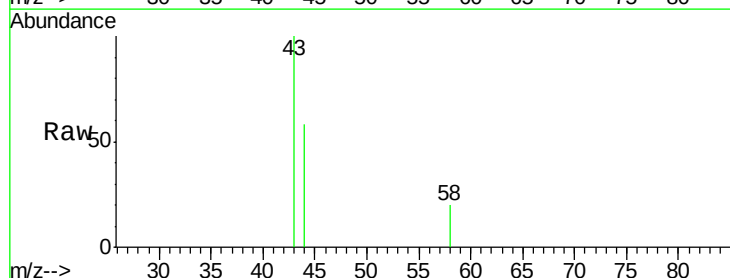
Instrument :
MSVOA_N
ClientSampleId :
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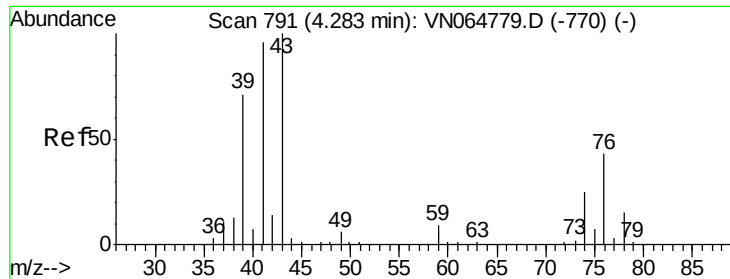
Tot Ion: 41 Resp: 1093
Ion Ratio Lower Upper
41 100
39 84.9 50.9 76.3#
76 0.0 29.0 43.4#



#16
Acetone
Concen: 3.323 ug/l
RT: 3.78 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN064925.D
Acq: 4 Dec 2020 17:42

Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
58 20.0 25.7 38.5#

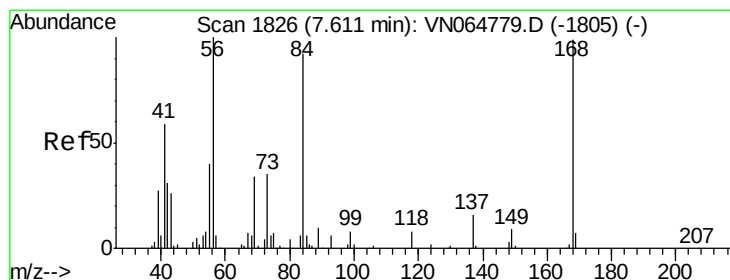
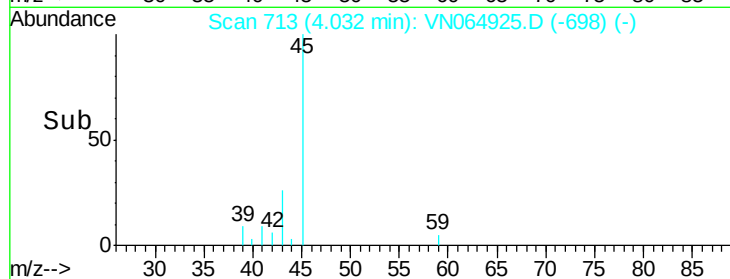
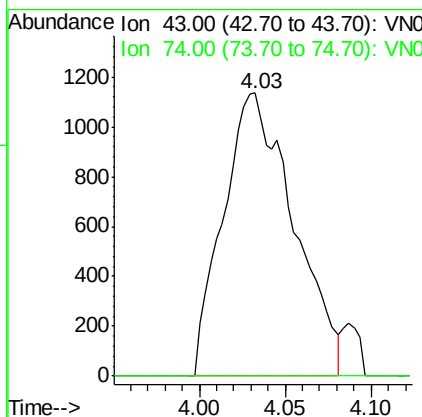
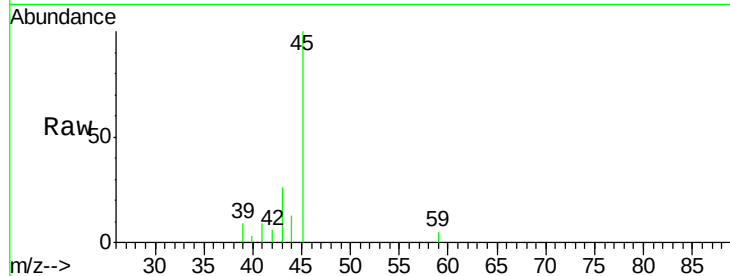




#18
Methvl Acetate
Concen: 1.669 ug/l
RT: 4.03 min Scan# 713
Delta R.T. -0.25 min
Lab File: VN064925.D
Acq: 4 Dec 2020 17:42

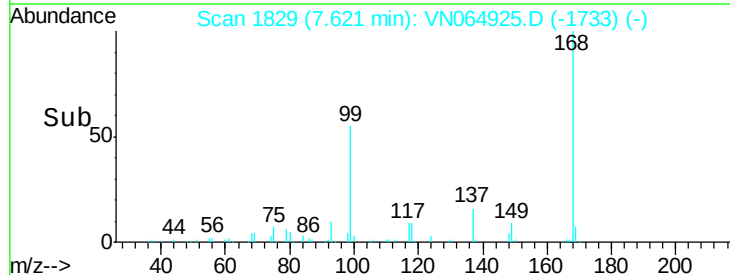
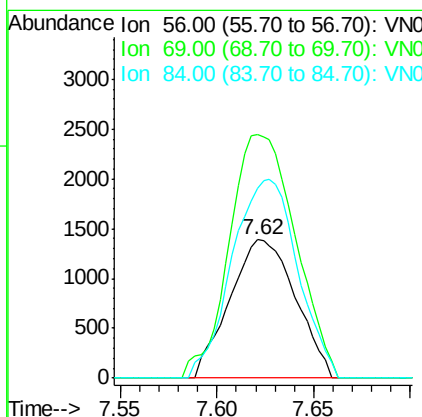
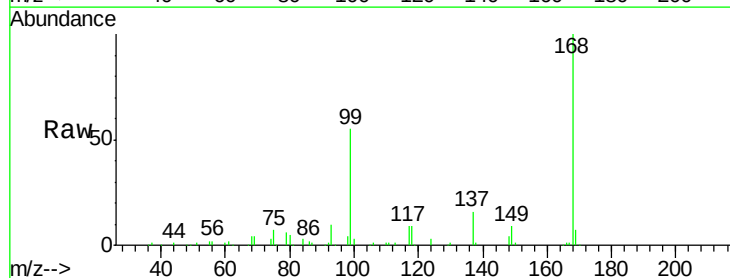
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6698-120120

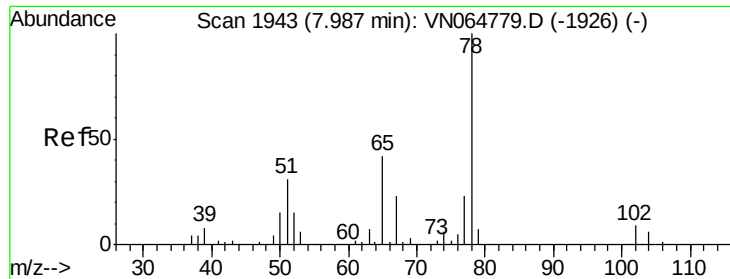
Tot Ion: 43 Resp: 3241
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064925.D
Acq: 4 Dec 2020 17:42

Tgt Ion: 56 Resp: 3279
Ion Ratio Lower Upper
56 100
69 176.1 27.5 41.3#
84 137.7 73.9 110.9#

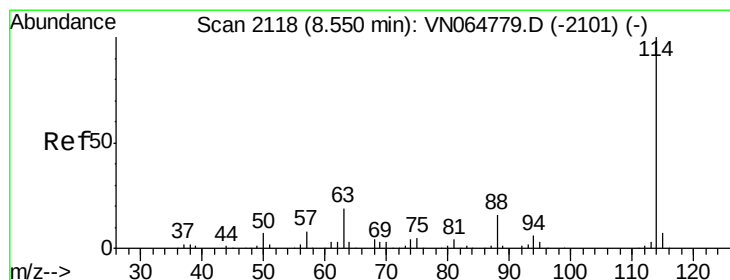
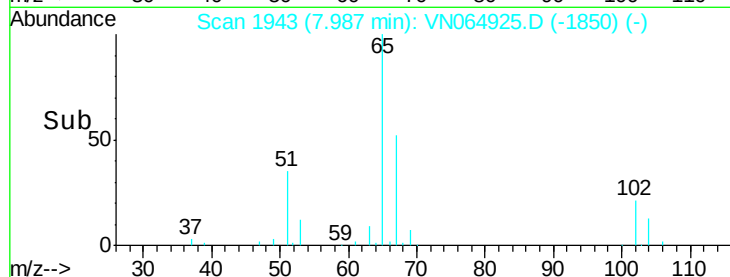
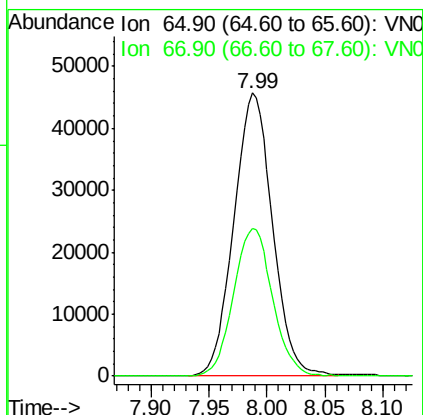
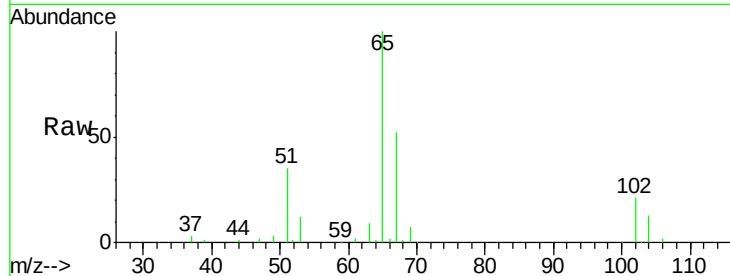




#33
 1,2-Dichloroethane-d4
 Concen: 53.842 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064925.D
 Acq: 4 Dec 2020 17:42

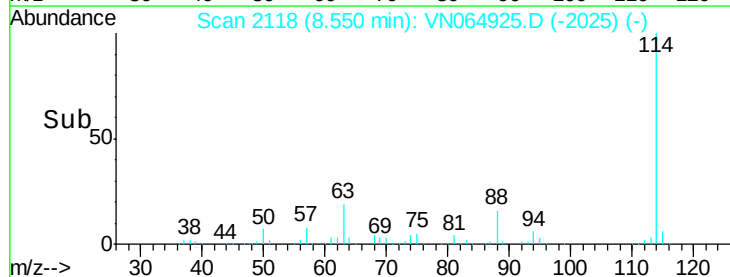
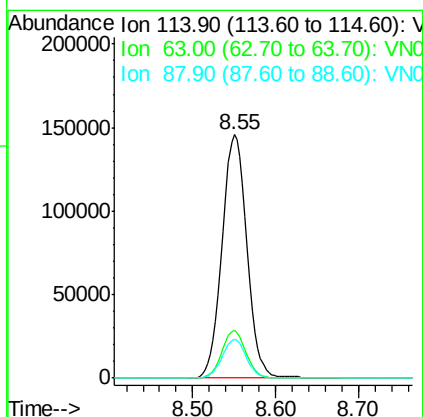
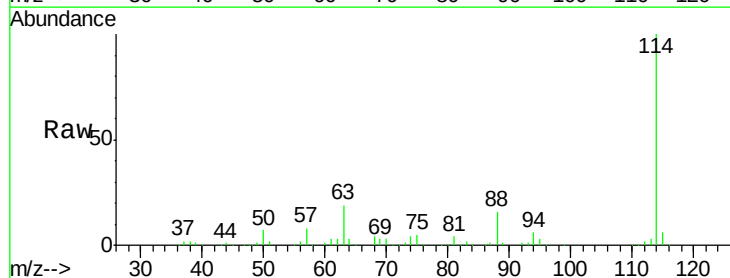
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6698-120120

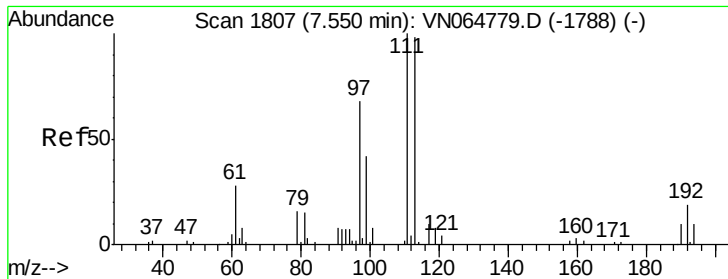
Tot Ion: 65 Resp: 105781
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064925.D
 Acq: 4 Dec 2020 17:42

Tgt Ion: 114 Resp: 302844
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.7 0.0 32.6

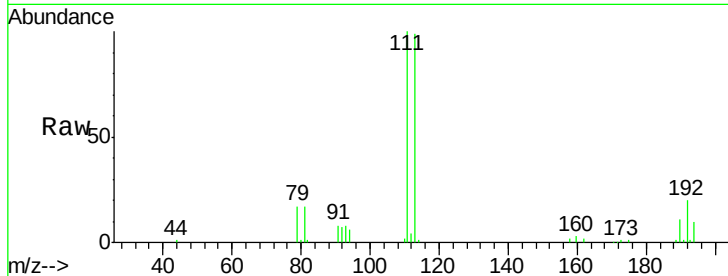




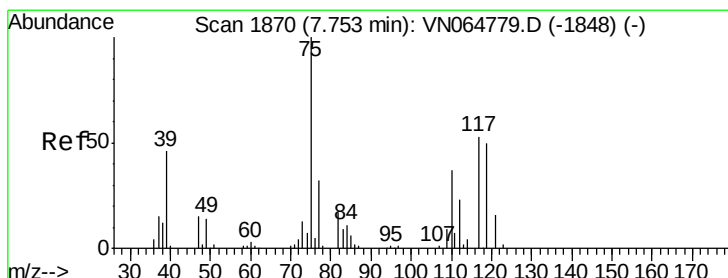
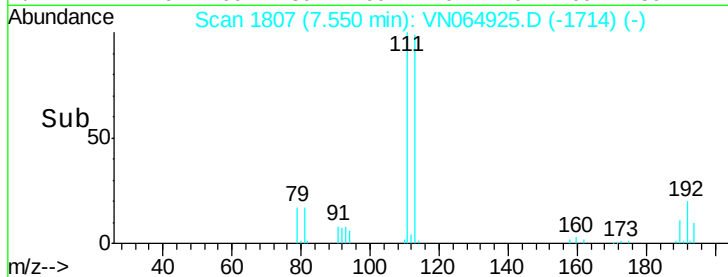
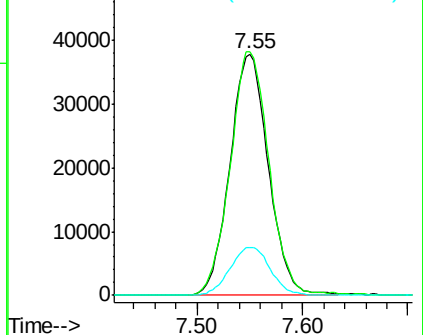
#35
 Dibromofluoromethane
 Concen: 52.906 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064925.D
 Acq: 4 Dec 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6698-120120

Tot Ion:113 Resp: 95872
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.6 122.4
 192 20.7 16.2 24.2

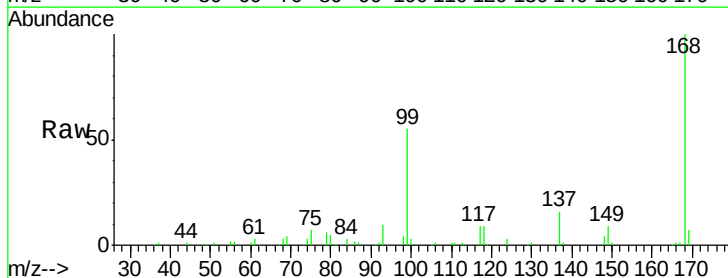


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

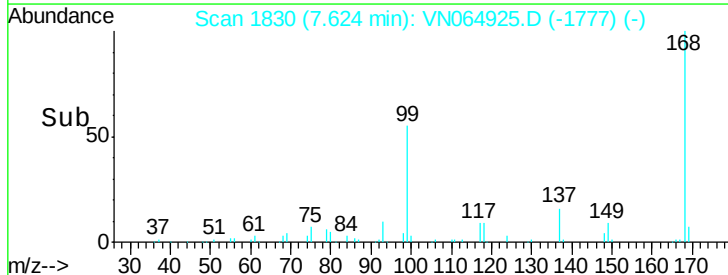
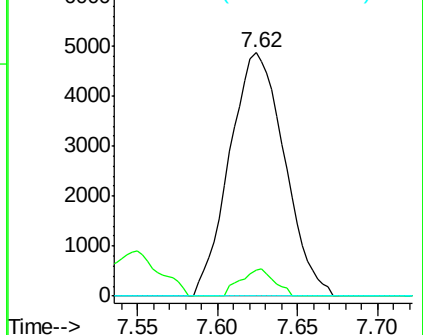


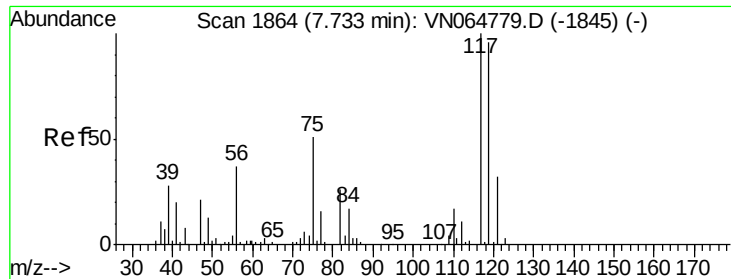
#36
 1,1-Dichloropropene
 Concen: 4.075 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064925.D
 Acq: 4 Dec 2020 17:42

Tgt Ion: 75 Resp: 11440
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.238 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6698-120120

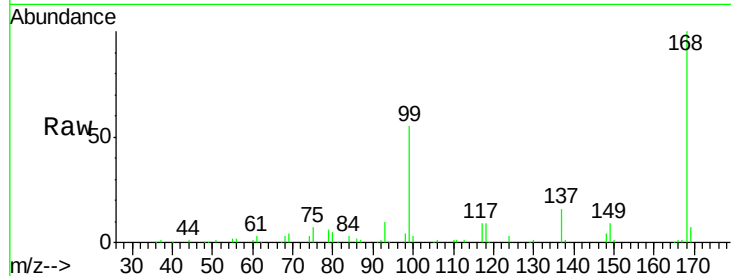
Tot Ion:117 Resp: 15300

Ion Ratio Lower Upper

117 100

119 3.9 76.7 115.1#

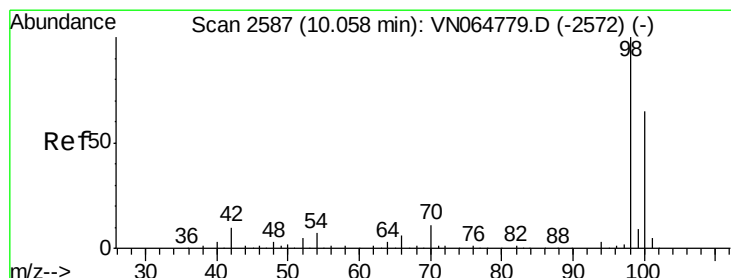
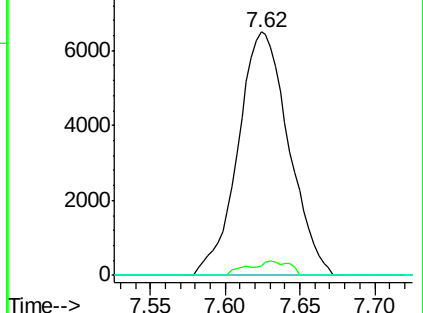
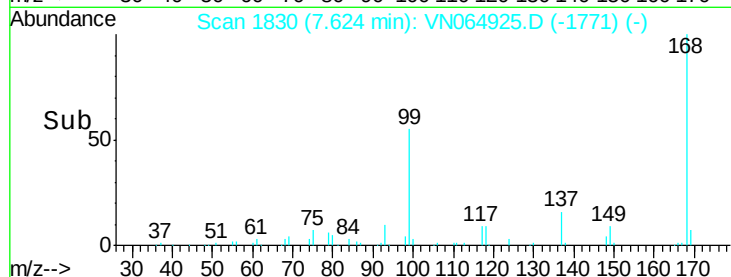
121 0.0 25.4 38.2#



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: 51.109 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064925.D

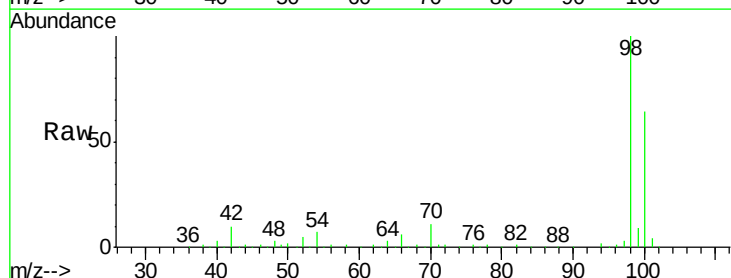
Acq: 4 Dec 2020 17:42

Tgt Ion: 98 Resp: 378421

Ion Ratio Lower Upper

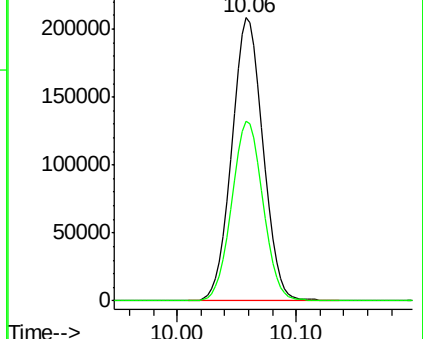
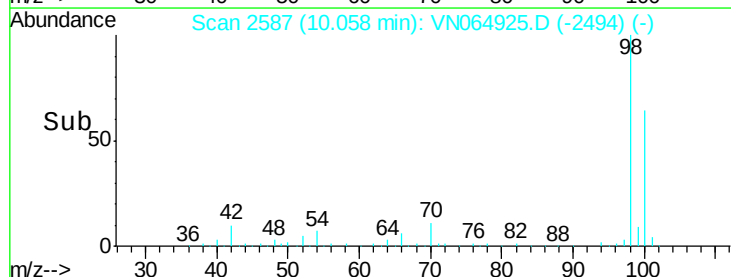
98 100

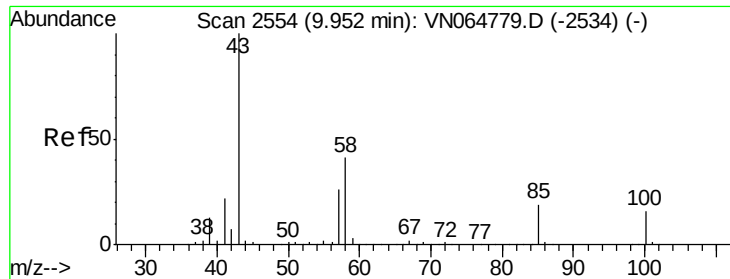
100 63.8 51.7 77.5



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: 0.571 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.11 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

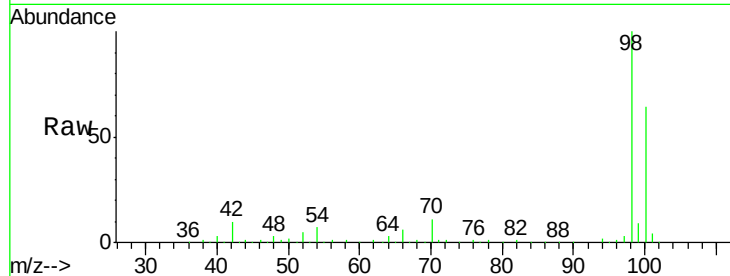
SS013-13-6698-120120

Tot Ion: 43 Resp: 1492

Ion Ratio Lower Upper

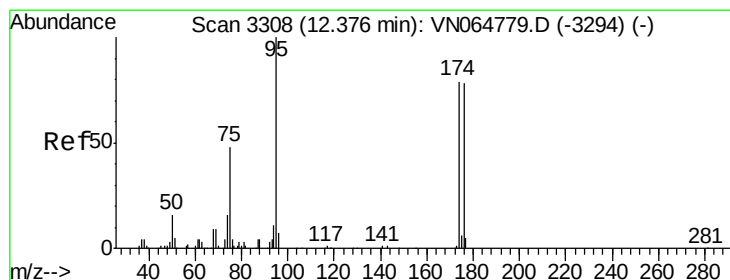
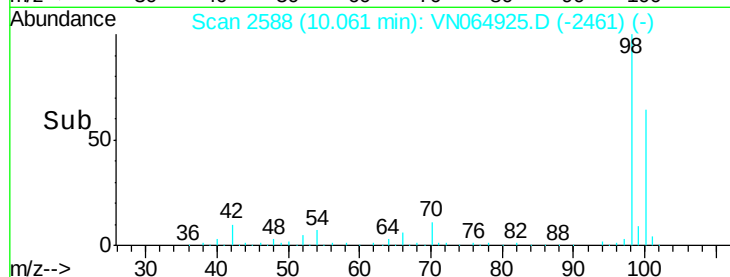
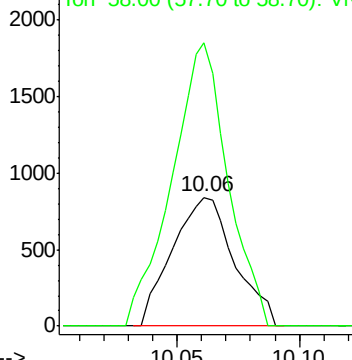
43 100

58 196.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 54.699 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

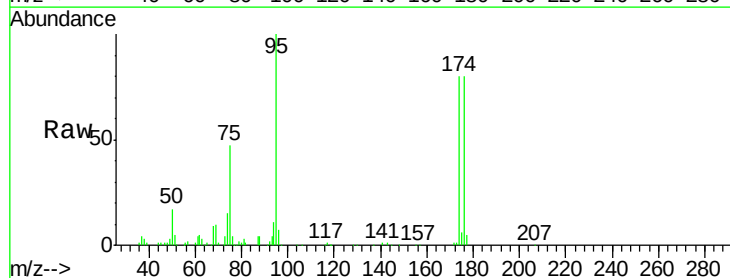
Tgt Ion: 95 Resp: 144942

Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.4

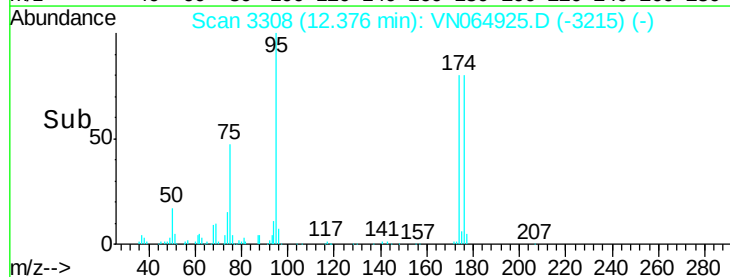
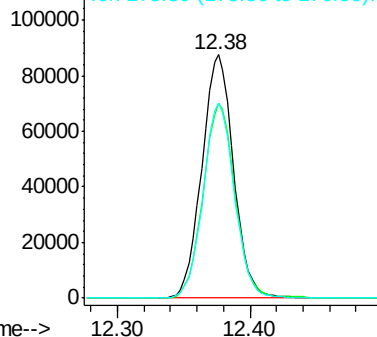
176 79.1 0.0 158.4

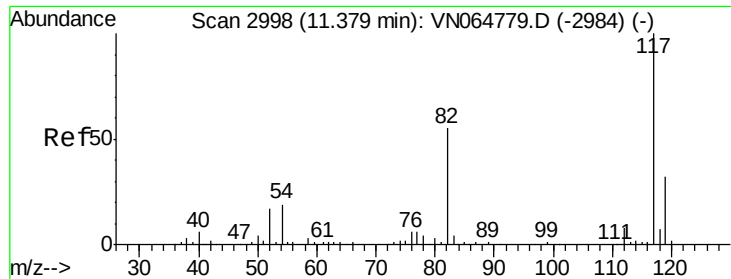


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6698-120120

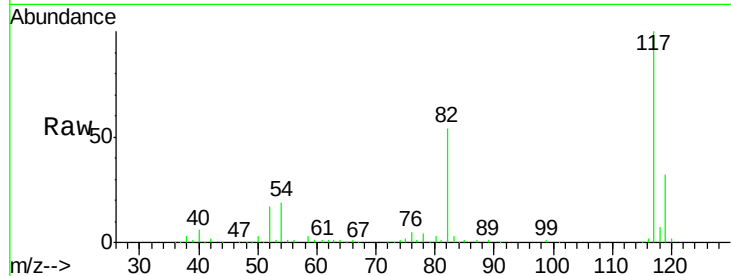
Tot Ion:117 Resp: 311090

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

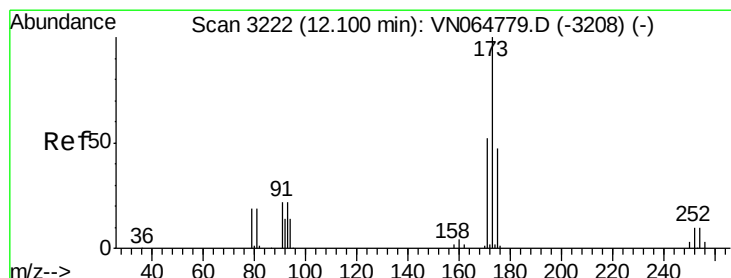
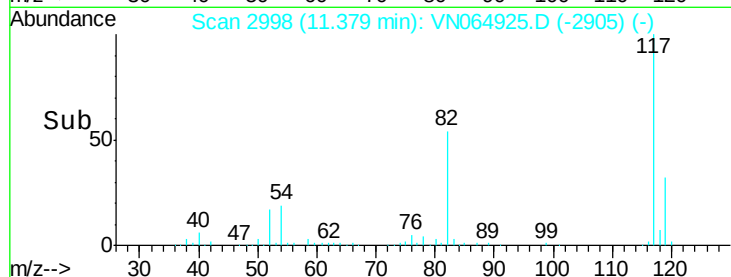
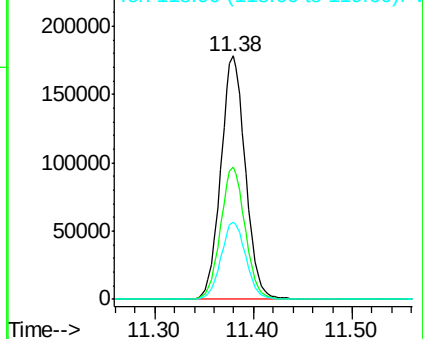
119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.503 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

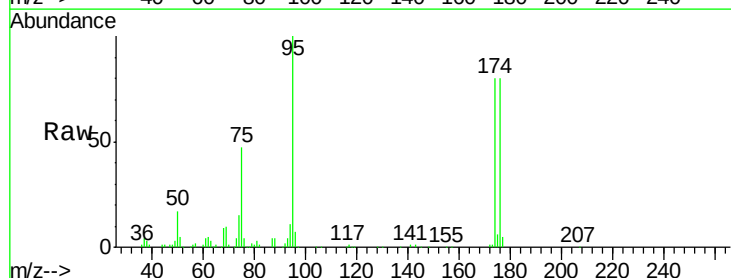
Tgt Ion:173 Resp: 987

Ion Ratio Lower Upper

173 100

175 759.8 24.3 72.8#

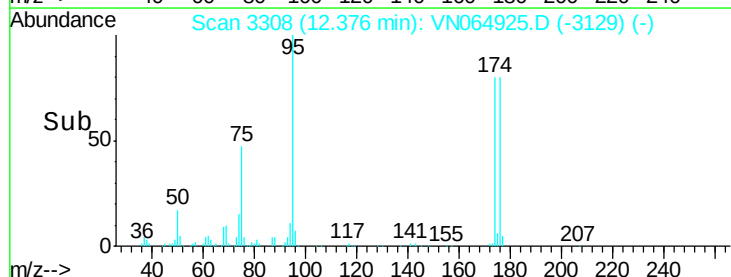
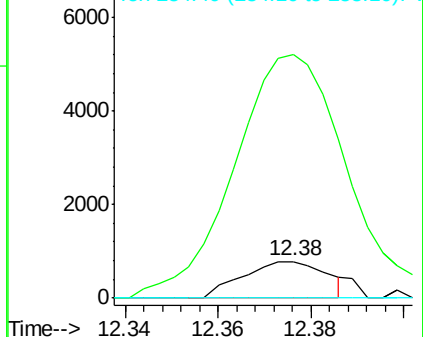
254 0.0 0.0 0.0

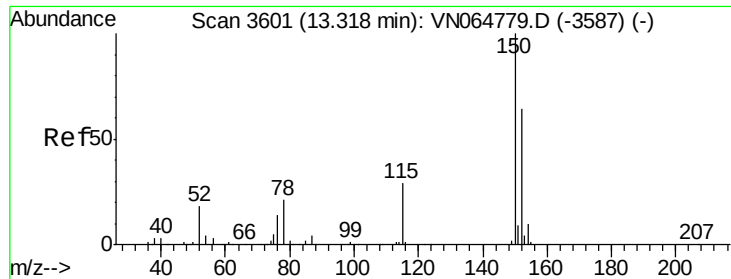


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3600

Delta R.T. -0.00 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6698-120120

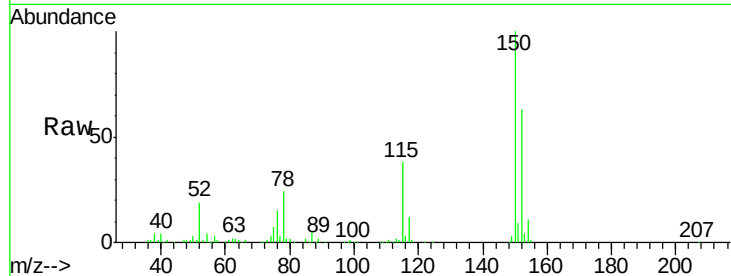
Tot Ion:152 Resp: 133225

Ion Ratio Lower Upper

152 100

115 58.6 29.7 89.1

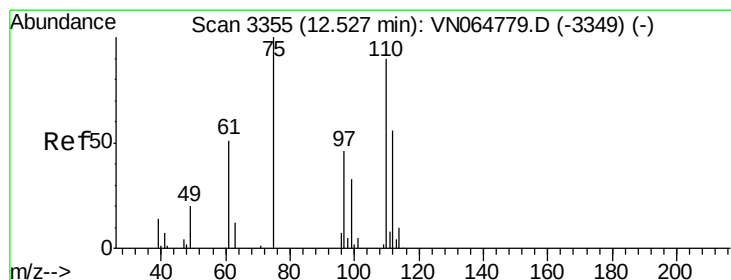
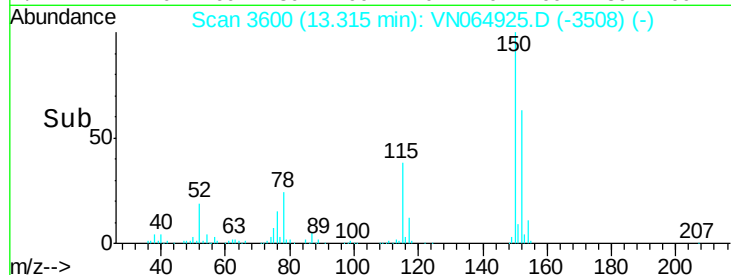
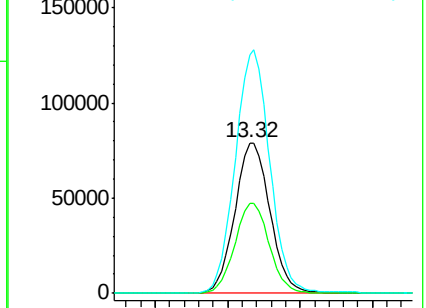
150 160.1 0.0 350.6



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: 23.377 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064925.D

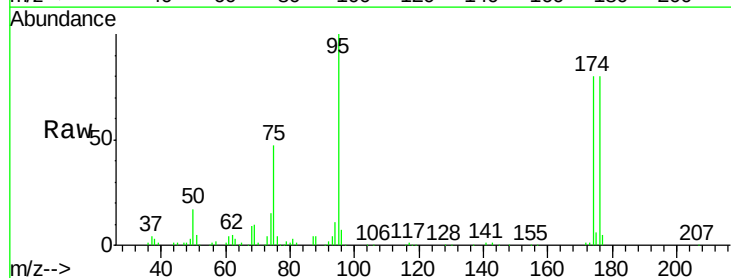
Acq: 4 Dec 2020 17:42

Tgt Ion: 75 Resp: 67072

Ion Ratio Lower Upper

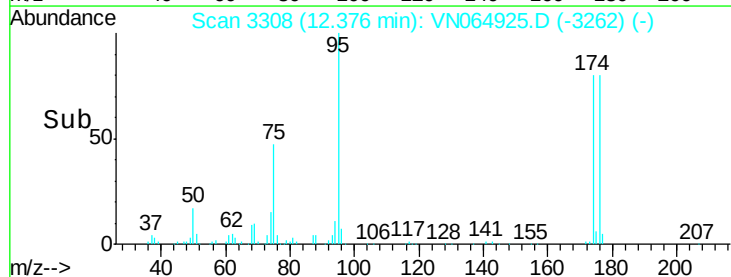
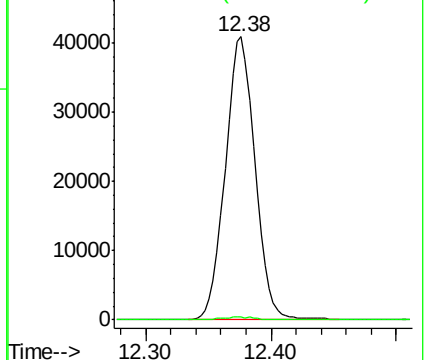
75 100

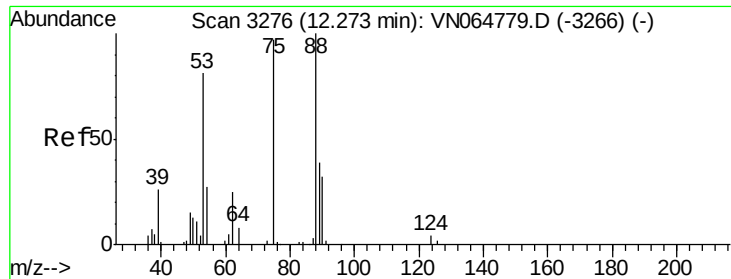
77 1.1 0.0 0.0#



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: 64.072 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064925.D

Acq: 4 Dec 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6698-120120

Tot Ion: 75 Resp: 67072

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#

