

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063809.D
 Acq On : 2 Oct 2020 7:20
 Operator : JC/MD
 Sample : L4183-05 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 32676

Quant Time: Oct 02 07:40:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	201873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	382661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	373240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	179241	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	7.55	113	129001	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.06	98	475537	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	12.38	95	184363	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	

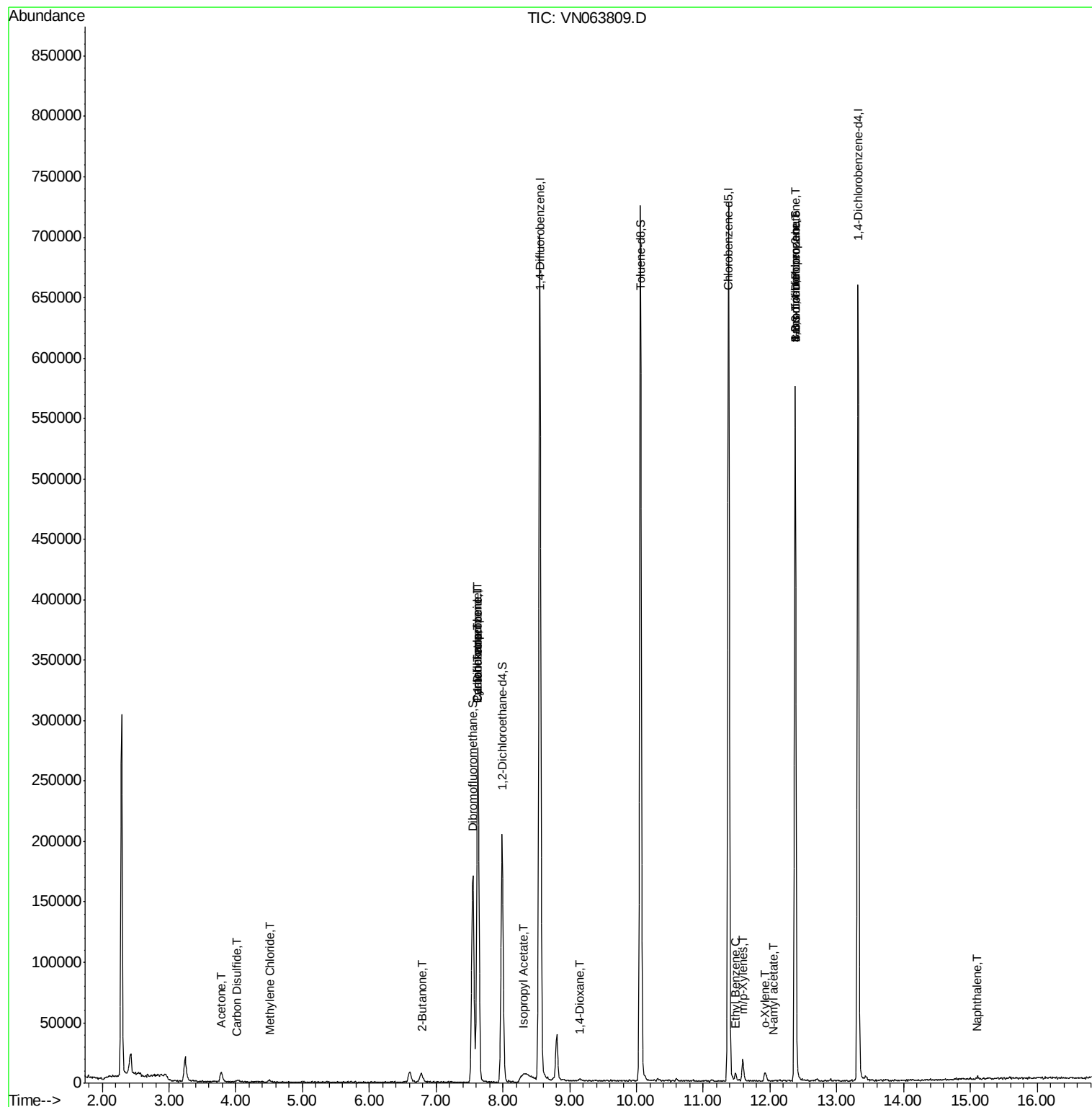
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	14439	14.064	ug/l #	77
17) Carbon Disulfide	4.02	76	67	0.713	ug/l #	76
20) Methylene Chloride	4.50	84	926	0.491	ug/l #	40
25) 2-Butanone	6.80	43	624	0.429	ug/l #	51
31) Cyclohexane	7.62	56	6164	1.592	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	18112	4.672	ug/l #	50
38) Carbon Tetrachloride	7.63	117	22262	5.121	ug/l #	17
43) Isopropyl Acetate	8.31	43	9875	1.554	ug/l #	64
49) 1,4-Dioxane	9.16	88	35	0.785	ug/l #	20
67) Ethyl Benzene	11.49	91	4176	0.300	ug/l #	87
68) m/p-Xylenes	11.59	106	5558	1.070	ug/l	96
69) o-Xylene	11.92	106	1795	0.370	ug/l	88
71) Bromoform	12.38	173	664	0.296	ug/l #	1
74) N-amyl acetate	12.06	43	199	2.251	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	106015	30.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106015	87.131	ug/l #	6
95) Naphthalene	15.11	128	2061	2.155	ug/l #	87

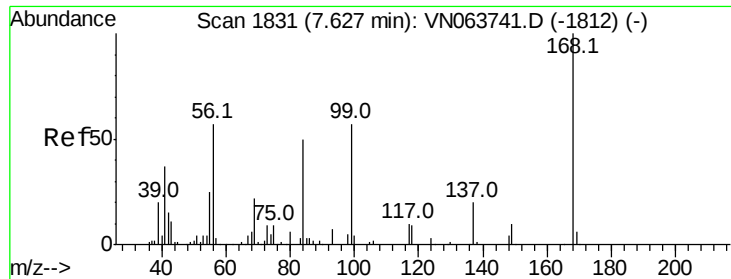
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
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32676

Quant Time: Oct 02 07:40:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampleId :

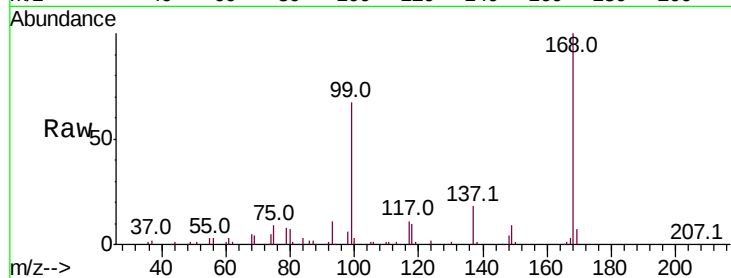
32676

Tot Ion:168 Resp: 201873

Ion Ratio Lower Upper

168 100

99 67.4 51.8 77.6



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

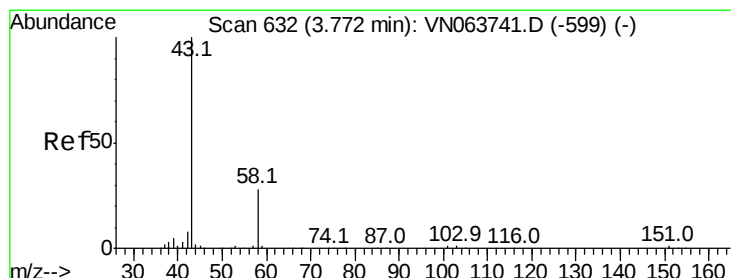
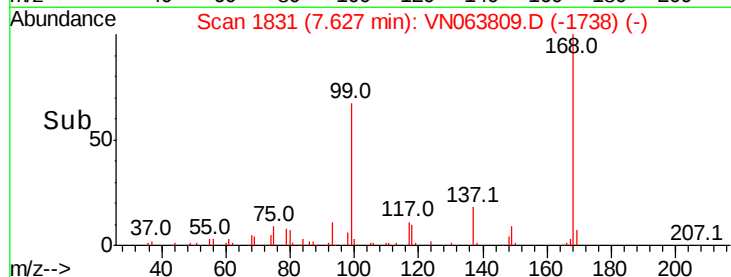
0

Time-->

7.50

7.60

7.70



#16

Acetone

Concen: 14.064 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063809.D

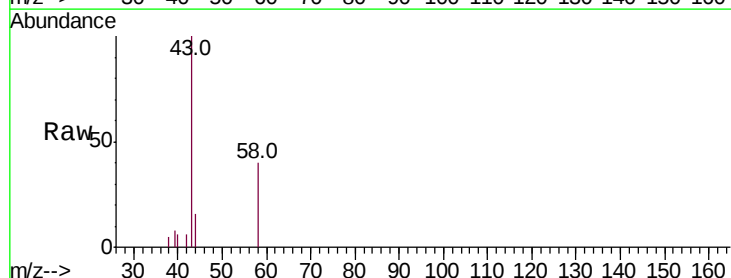
Acq: 2 Oct 2020 7:20

Tgt Ion: 43 Resp: 14439

Ion Ratio Lower Upper

43 100

58 39.8 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

5000

4000

3000

2000

1000

0

Time-->

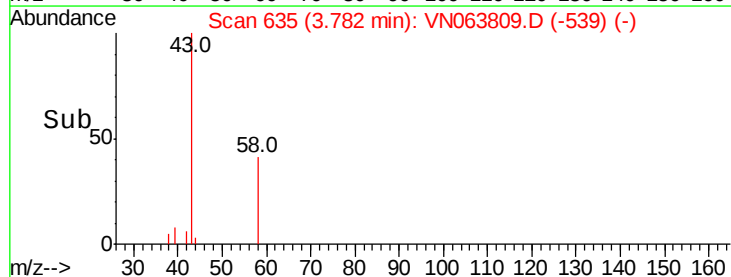
3.70

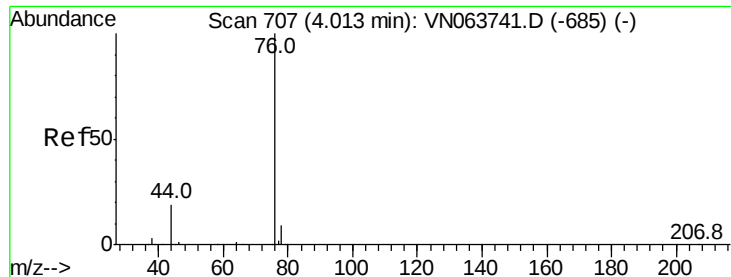
3.75

3.80

3.85

3.90





#17

Carbon Disulfide

Concen: 0.713 ug/l

RT: 4.02 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampleId :

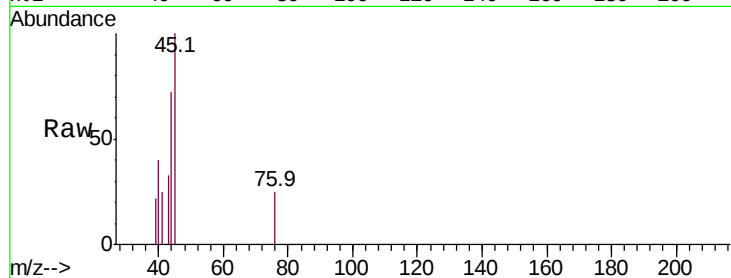
32676

Tot Ion: 76 Resp: 67

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

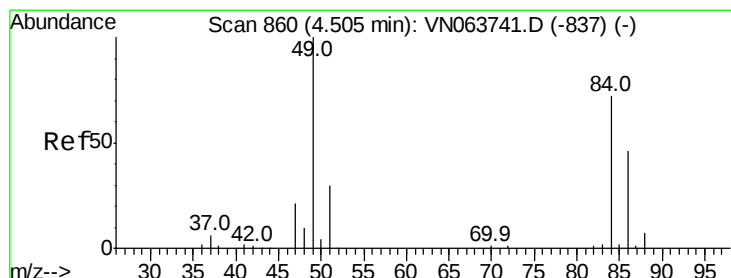
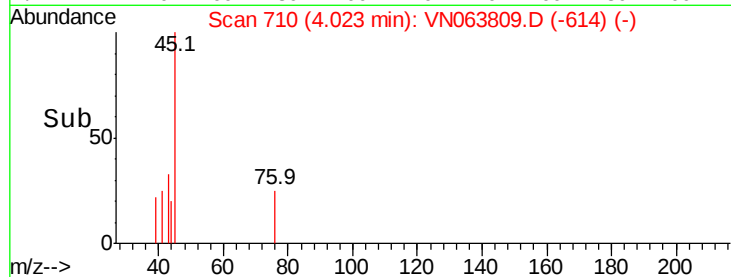
150

100

50

0

Time--> 4.01 4.02 4.03



#20

Methylene Chloride

Concen: 0.491 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Tgt Ion: 84 Resp: 926

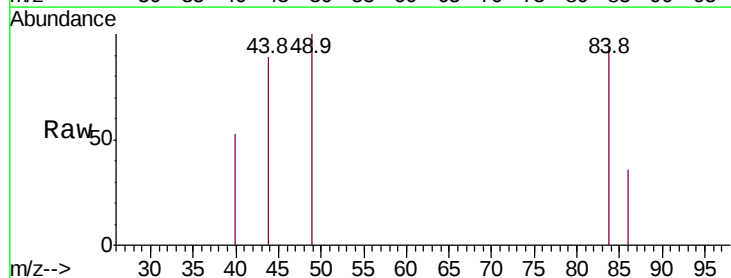
Ion Ratio Lower Upper

84 100

49 52.5 110.4 165.6#

51 0.0 33.3 49.9#

86 38.6 50.7 76.1#



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

800

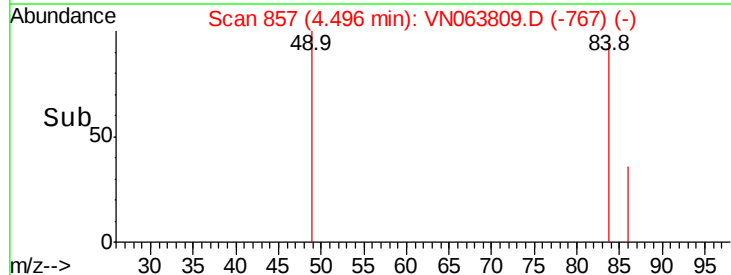
600

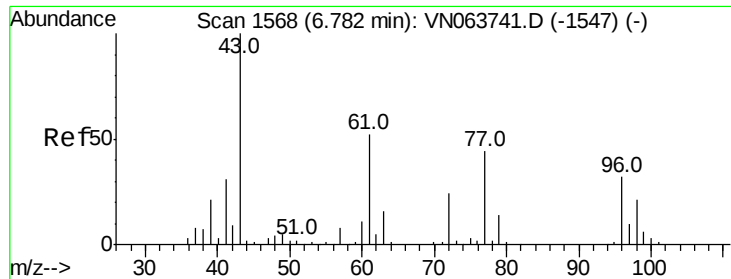
400

200

0

Time--> 4.46 4.48 4.50 4.52 4.54

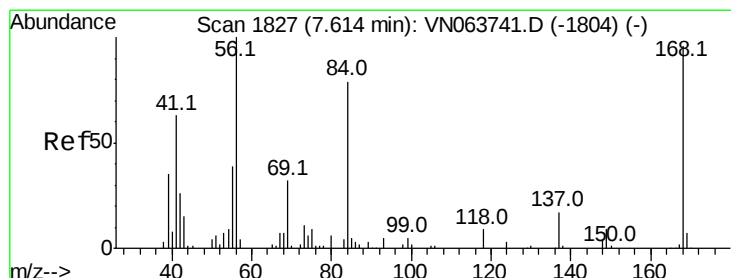
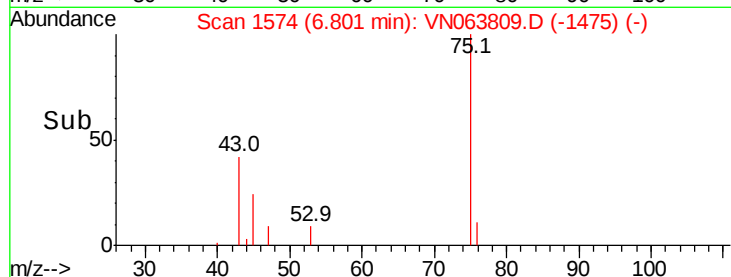
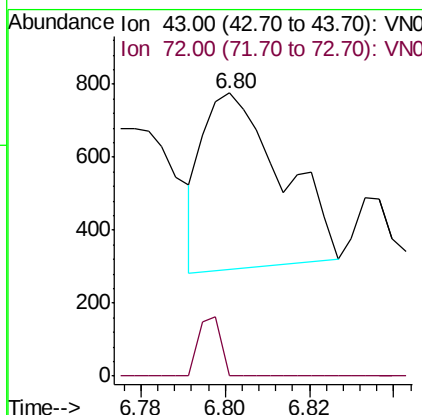
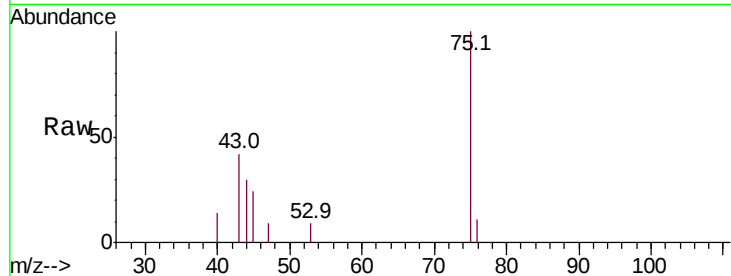




#25
2-Butanone
Concen: 0.429 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063809.D
Acq: 2 Oct 2020 7:20

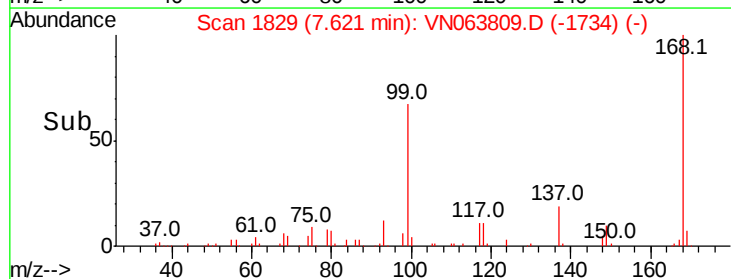
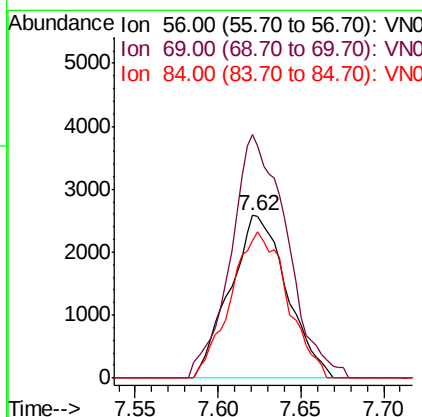
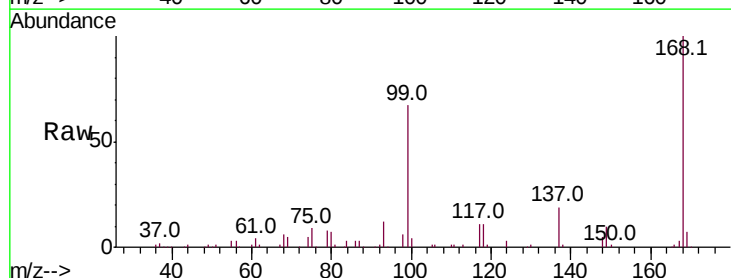
Instrument :
MSVOA_N
ClientSampled :
32676

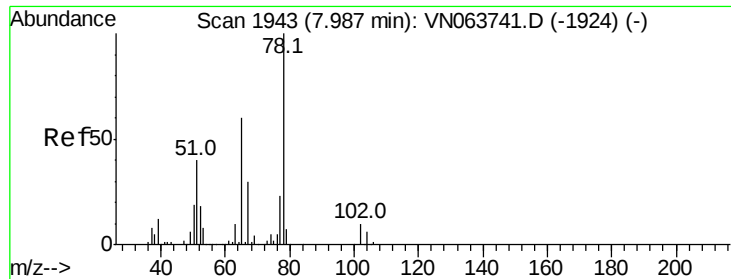
Tot Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.592 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063809.D
Acq: 2 Oct 2020 7:20

Tgt Ion: 56 Resp: 6164
Ion Ratio Lower Upper
56 100
69 149.4 25.4 38.2#
84 84.0 63.3 94.9





#33

1,2-Dichloroethane-d4

Concen: 53.744 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

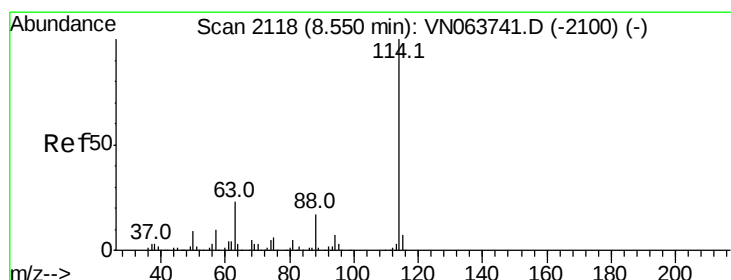
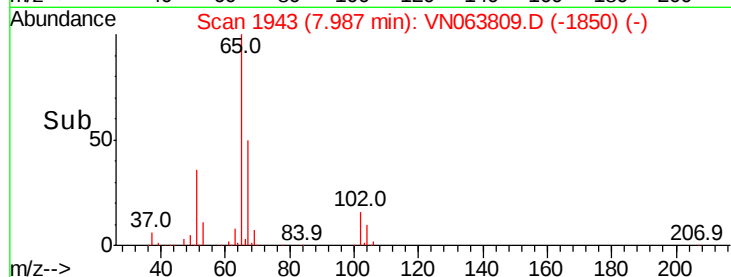
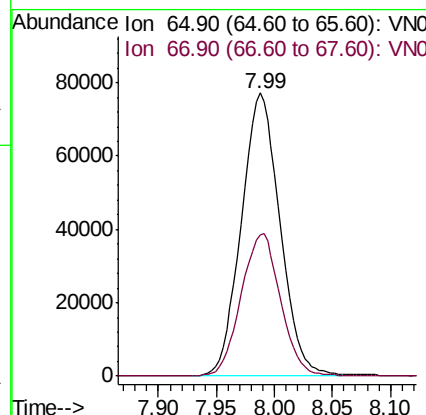
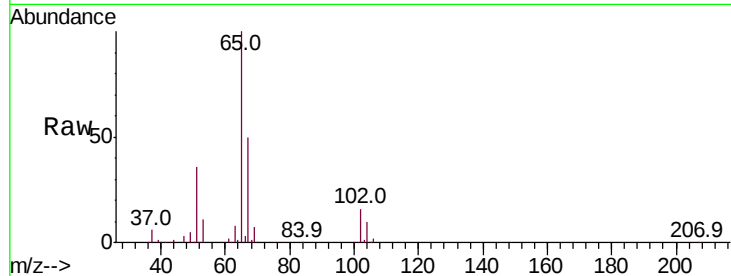
Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :
MSVOA_N
ClientSampleId :
32676

Tot Ion: 65 Resp: 179241

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

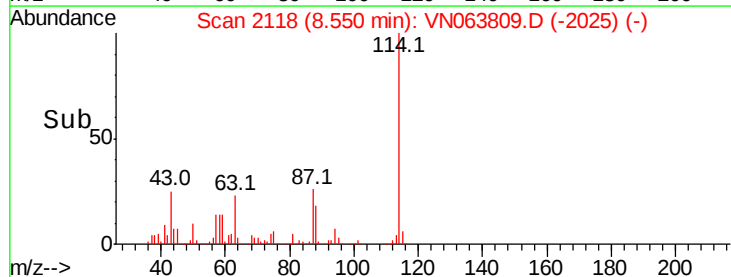
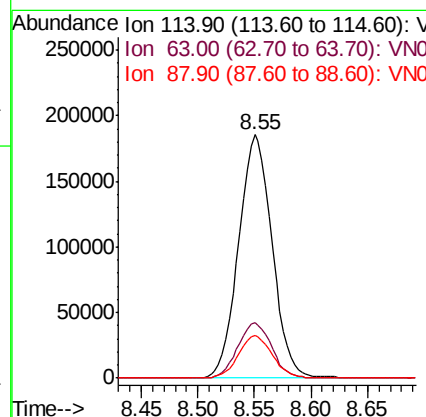
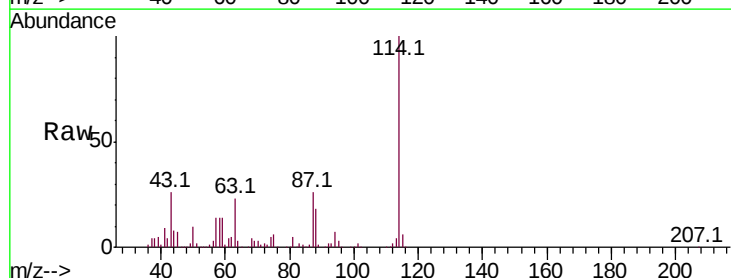
Delta R.T. 0.00 min

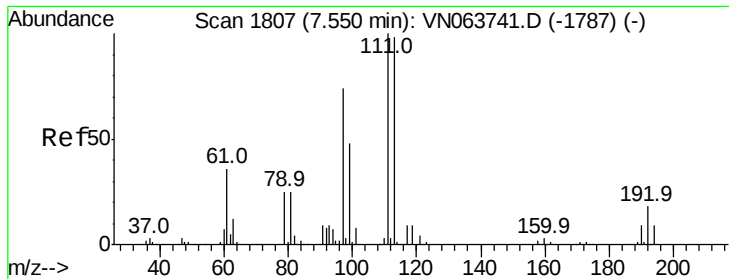
Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Tgt Ion: 114 Resp: 382661

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.0
88	17.7	0.0	34.0





#35

Dibromofluoromethane

Concen: 48.584 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampleId :

32676

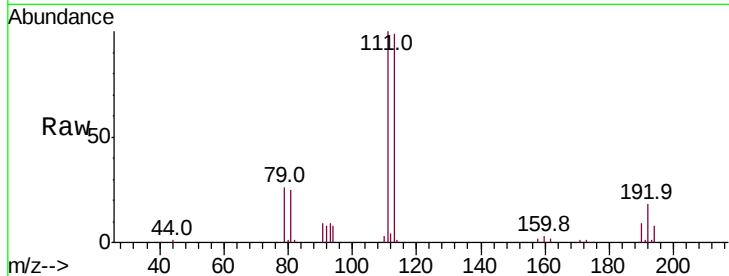
Tot Ion:113 Resp: 129001

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

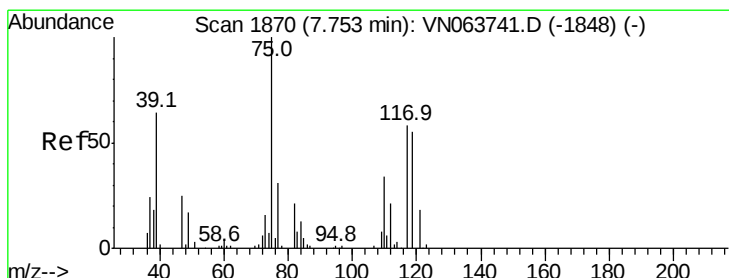
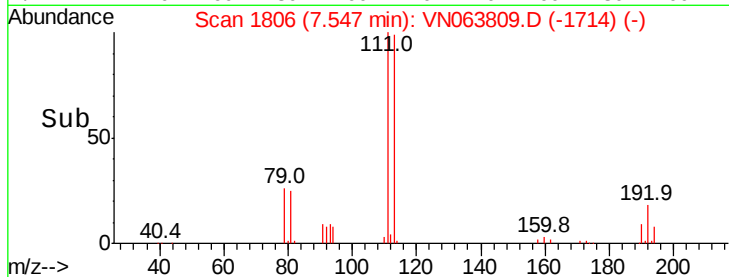
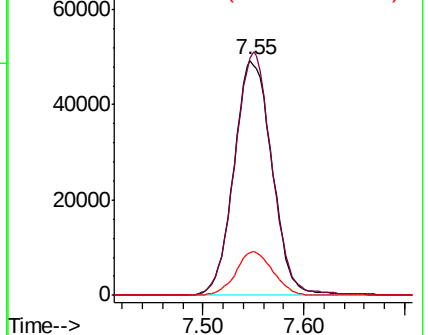
192 18.1 14.2 21.2



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: 4.672 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

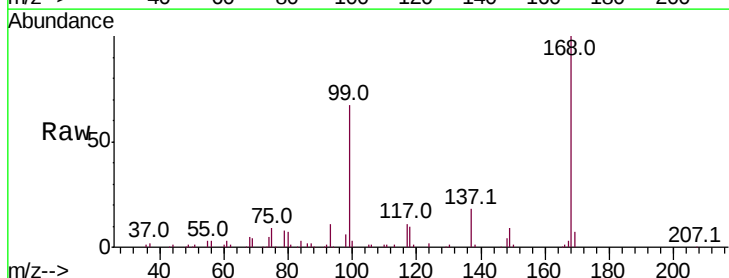
Tgt Ion: 75 Resp: 18112

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.6#

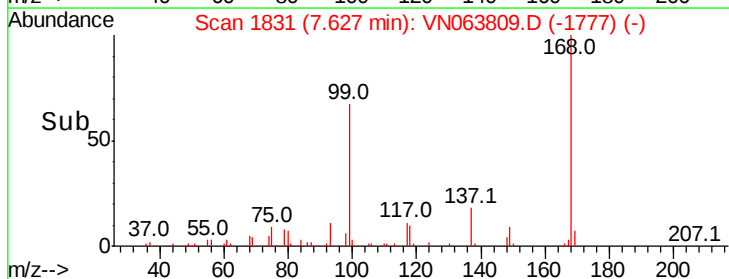
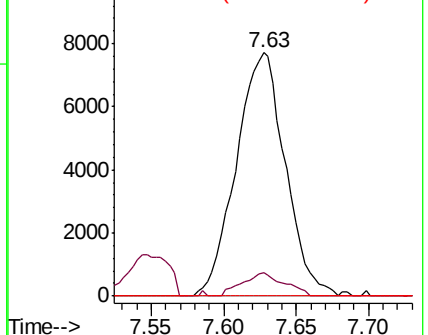
77 0.0 24.5 36.7#

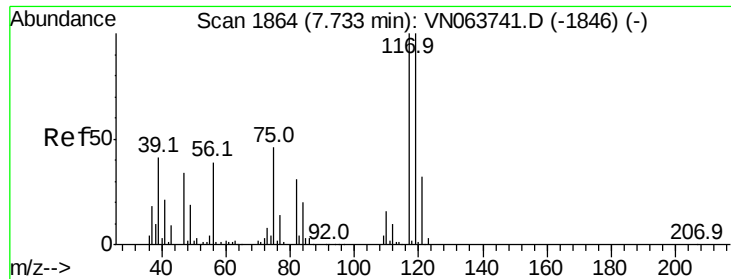


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

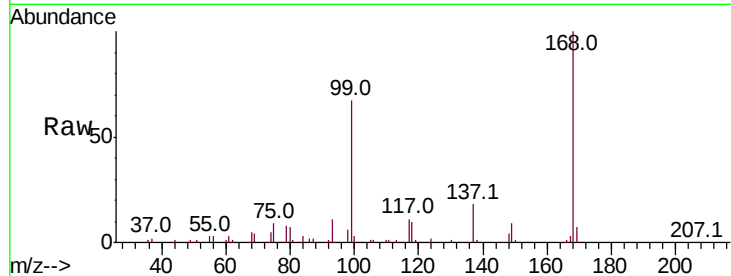




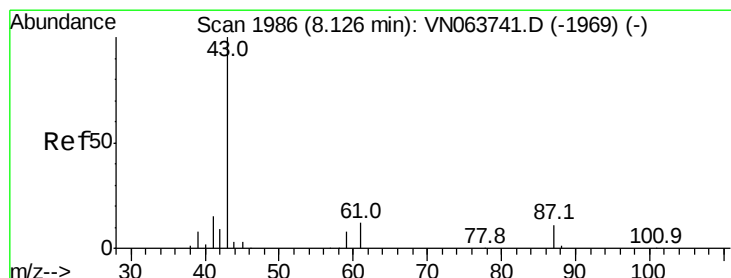
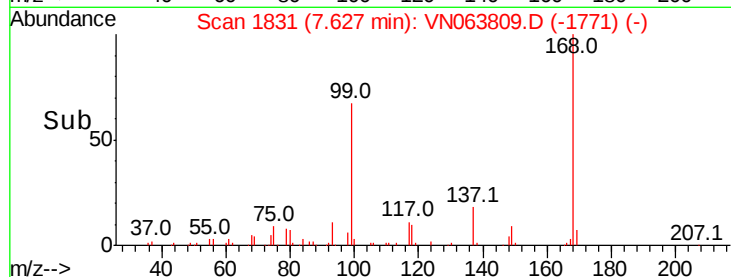
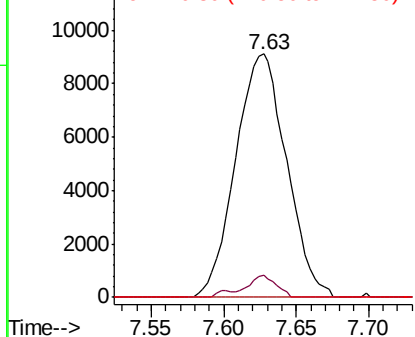
#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063809.D
Acq: 2 Oct 2020 7:20

Instrument :
MSVOA_N
ClientSampled :
32676

Tot Ion:117 Resp: 22262
Ion Ratio Lower Upper
117 100
119 8.9 80.1 120.1#
121 0.0 25.7 38.5#

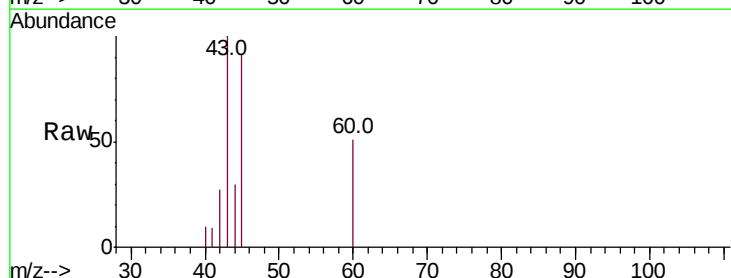


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

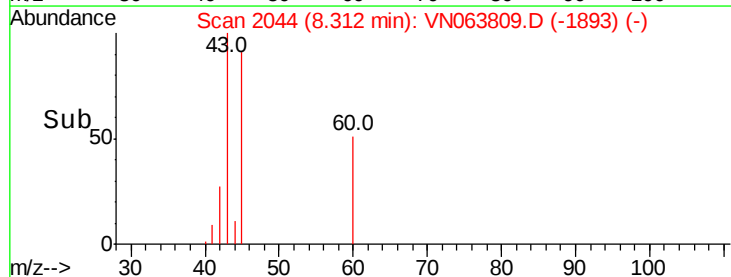
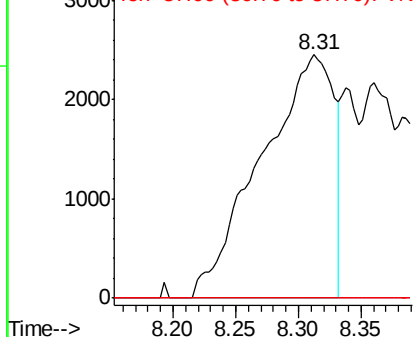


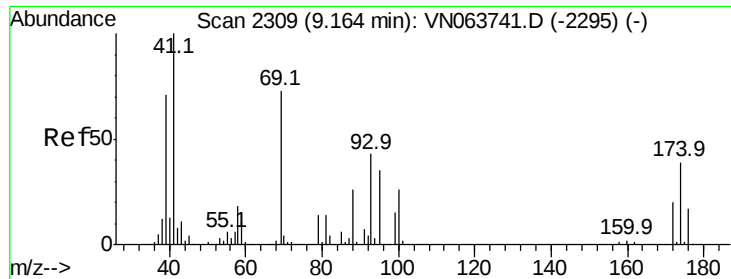
#43
Isopropyl Acetate
Concen: 1.554 ug/l
RT: 8.31 min Scan# 2044
Delta R.T. 0.19 min
Lab File: VN063809.D
Acq: 2 Oct 2020 7:20

Tgt Ion: 43 Resp: 9875
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#49

1,4-Dioxane

Concen: 0.785 ug/l

RT: 9.16 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampled :

32676

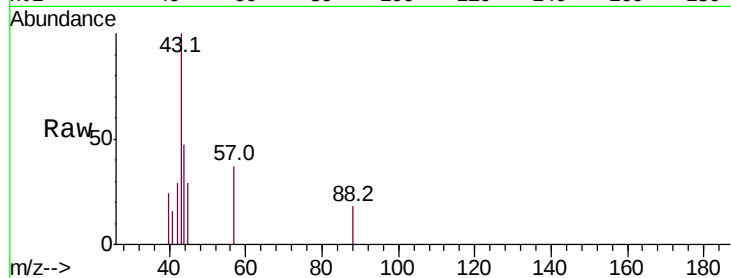
Tot Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 0.0 33.1 49.7#

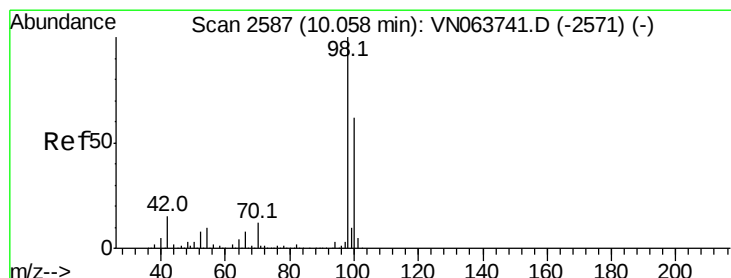
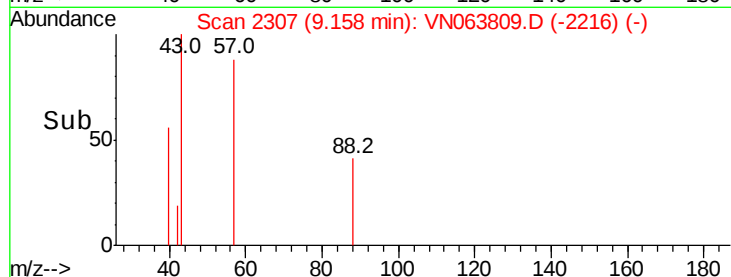
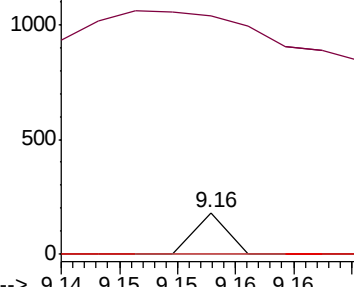
58 0.0 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN063809.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN063809.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN063809.D (-2216) (-)



#50

Toluene-d8

Concen: 47.244 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063809.D

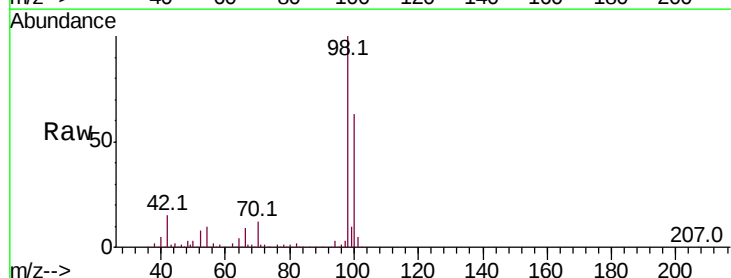
Acq: 2 Oct 2020 7:20

Tgt Ion: 98 Resp: 475537

Ion Ratio Lower Upper

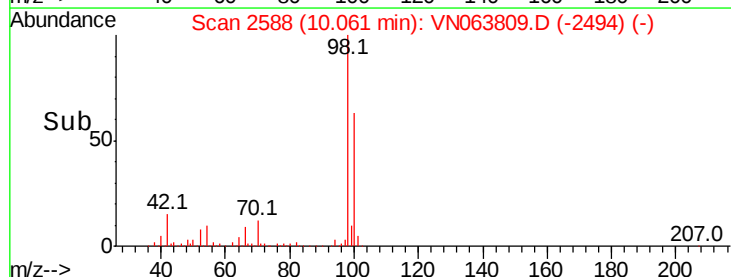
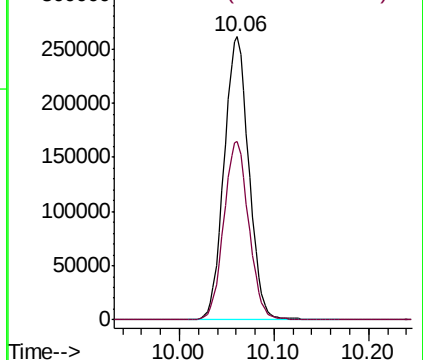
98 100

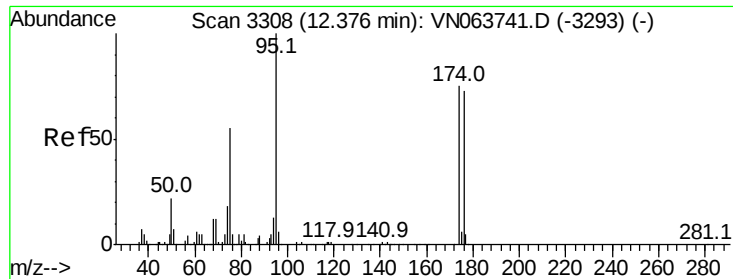
100 63.7 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063809.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN063809.D (-2494) (-)





#62

4-Bromofluorobenzene

Concen: 48.725 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampled :

32676

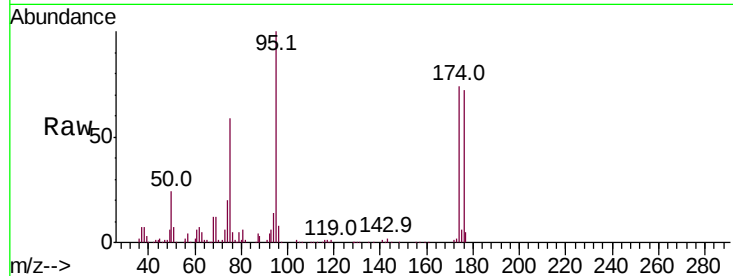
Tot Ion: 95 Resp: 184363

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.6

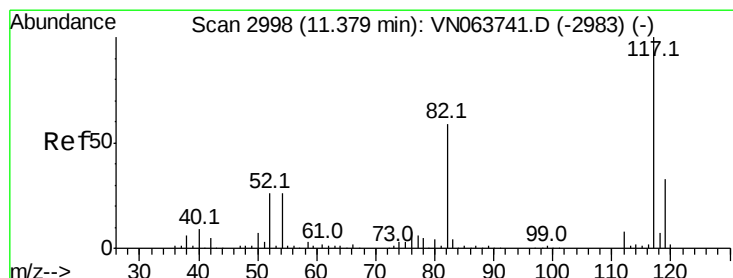
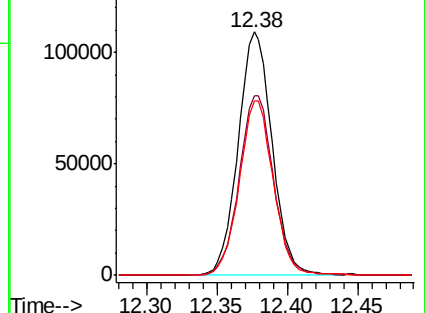
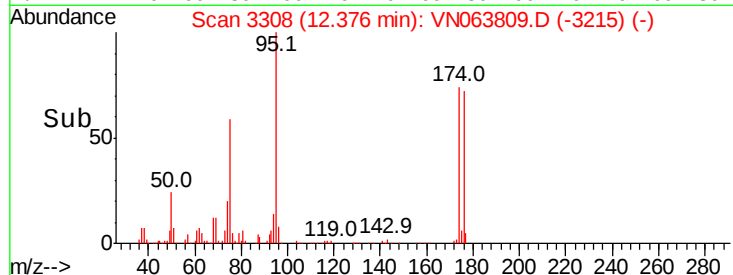
176 71.4 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063809.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063809.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063809.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

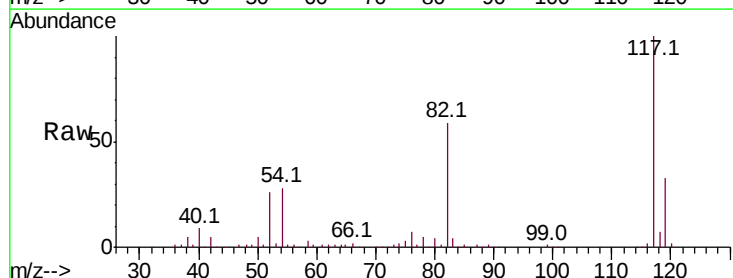
Tgt Ion: 117 Resp: 373240

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.2

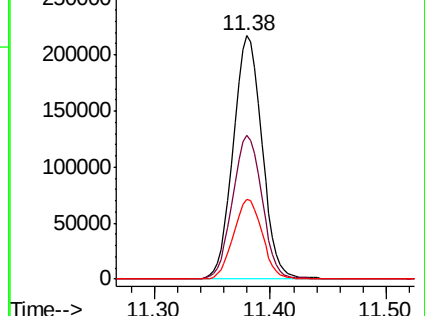
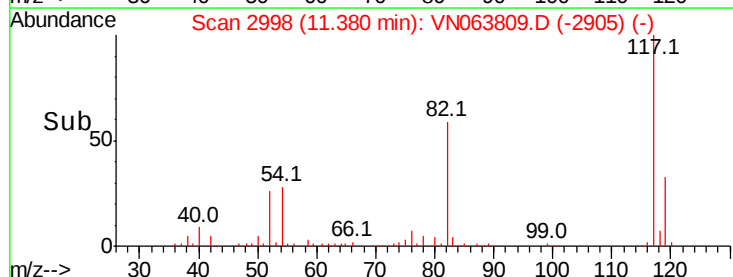
119 32.8 26.4 39.6

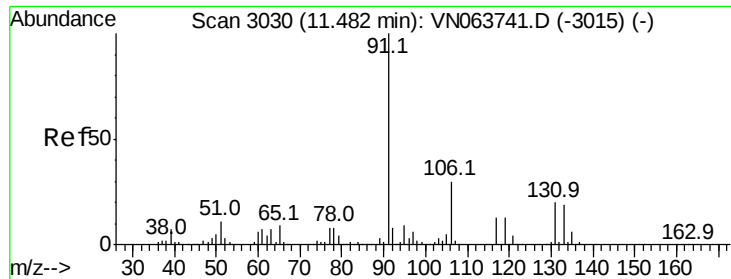


Abundance Ion 116.90 (116.60 to 117.60): VN063809.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063809.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063809.D (-2905) (-)

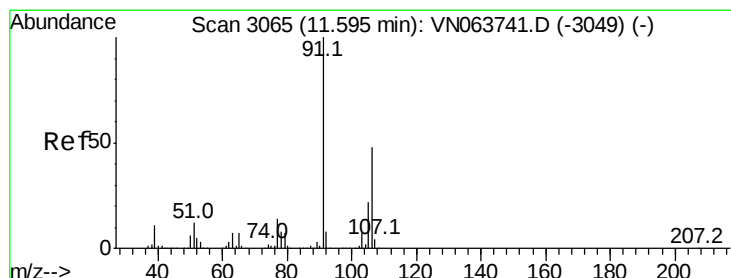
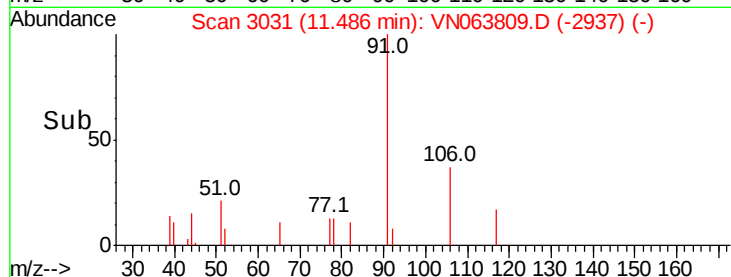
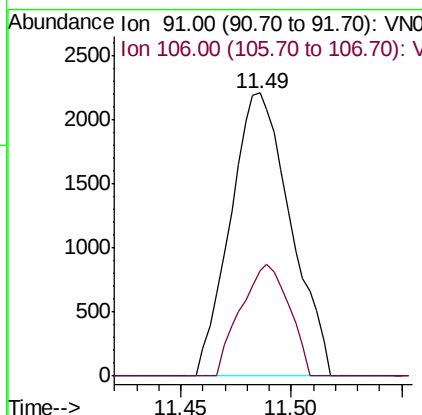
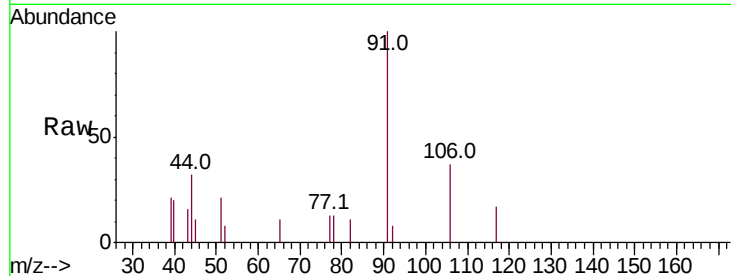




#67
Ethyl Benzene
Concen: 0.300 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063809.D
Acq: 2 Oct 2020 7:20

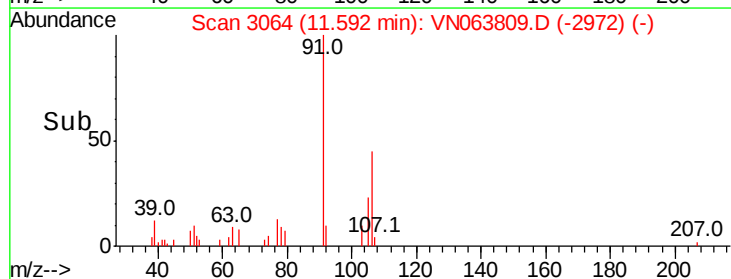
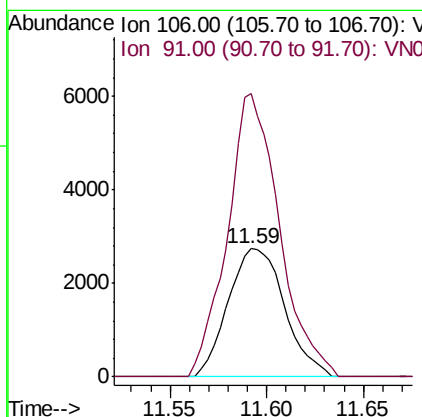
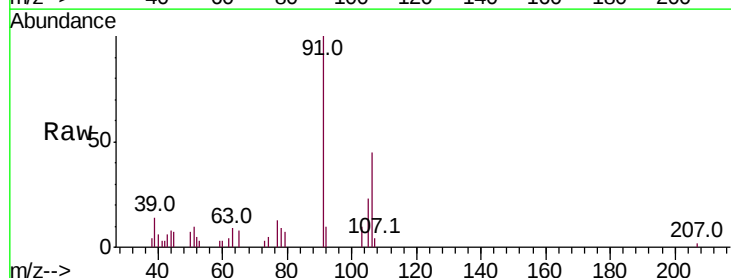
Instrument :
MSVOA_N
ClientSampled :
32676

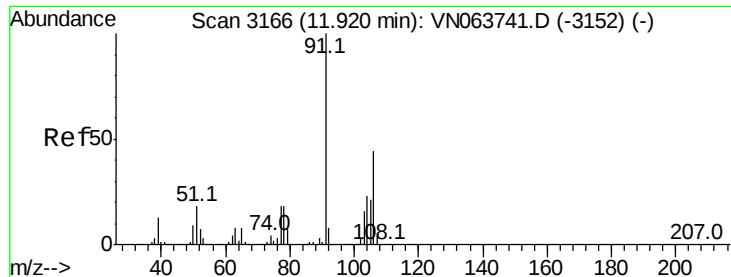
Tot Ion: 91 Resp: 4176
Ion Ratio Lower Upper
91 100
106 37.4 24.2 36.2#



#68
m/p-Xylenes
Concen: 1.070 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063809.D
Acq: 2 Oct 2020 7:20

Tgt Ion: 106 Resp: 5558
Ion Ratio Lower Upper
106 100
91 203.5 168.0 252.0





#69

o-Xylene

Concen: 0.370 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

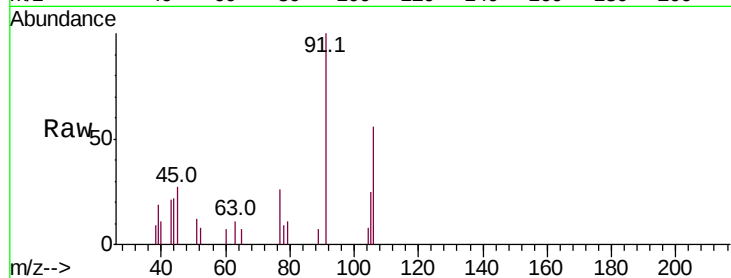
ClientSampleId :
32676

Tot Ion:106 Resp: 1795

Ion Ratio Lower Upper

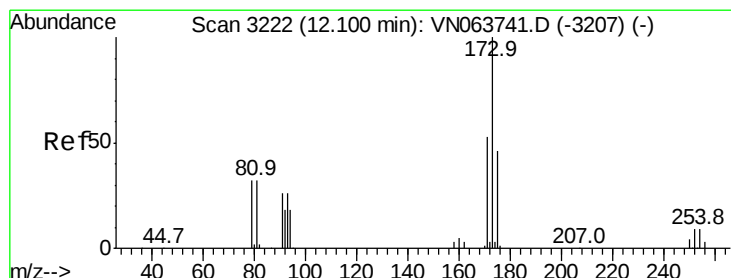
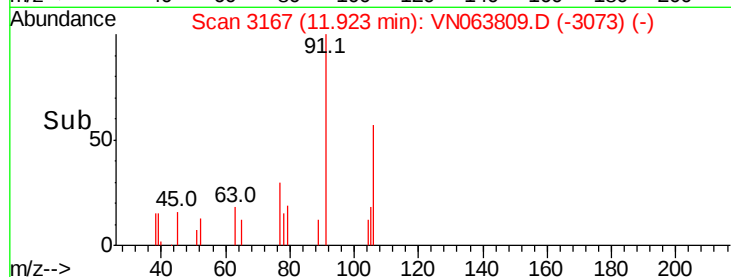
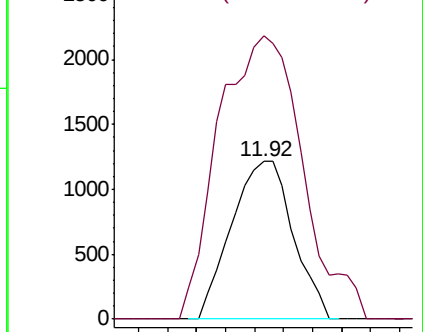
106 100

91 244.7 112.7 338.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.296 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

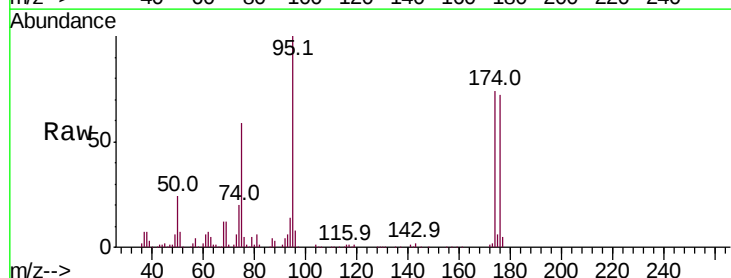
Tgt Ion:173 Resp: 664

Ion Ratio Lower Upper

173 100

175 1415.4 23.5 70.5#

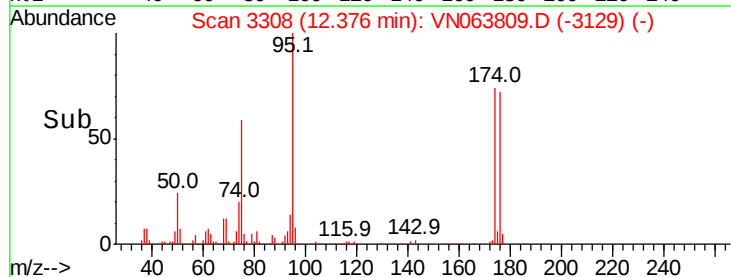
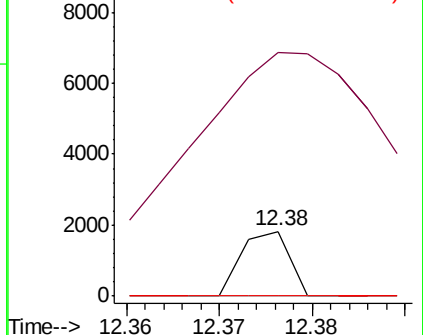
254 0.0 0.0 0.0

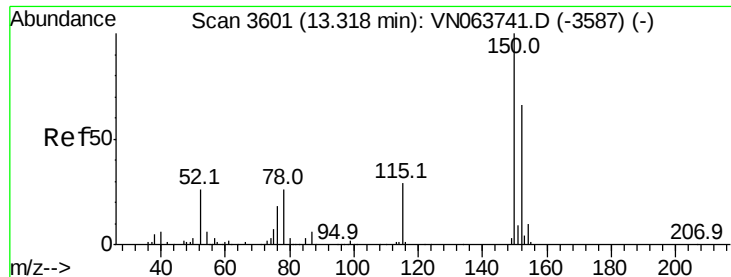


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampled :

32676

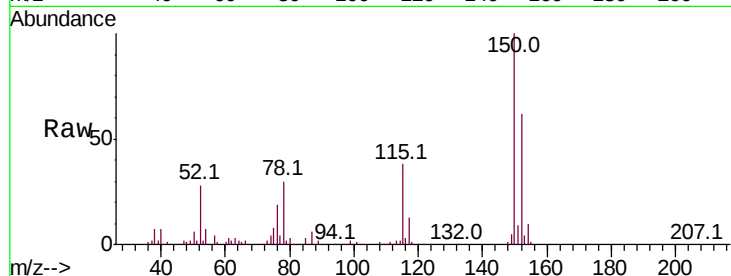
Tot Ion:152 Resp: 158973

Ion Ratio Lower Upper

152 100

115 64.0 31.3 93.8

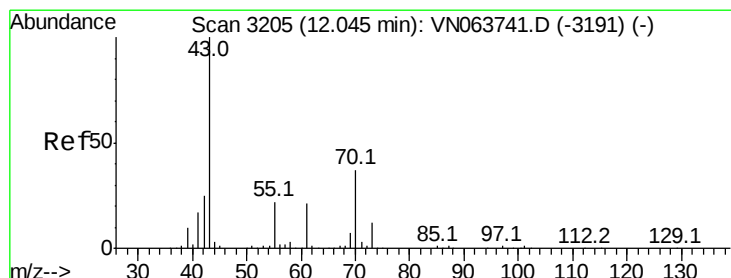
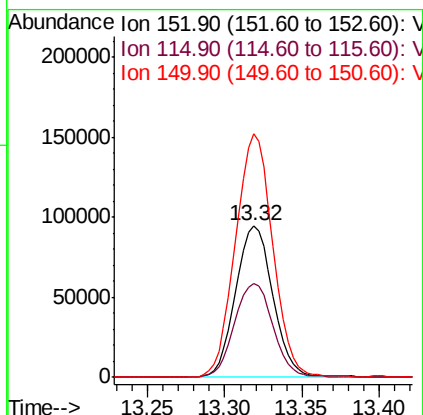
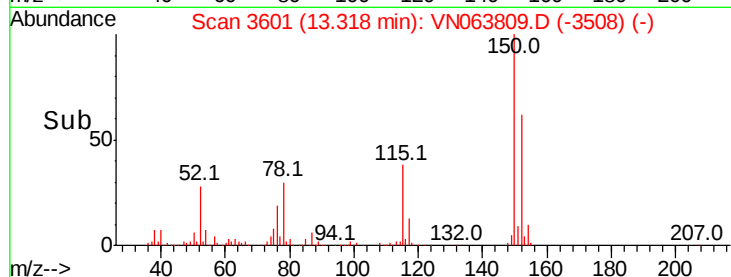
150 161.2 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.251 ug/l

RT: 12.06 min Scan# 3209

Delta R.T. 0.01 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Tgt Ion: 43 Resp: 199

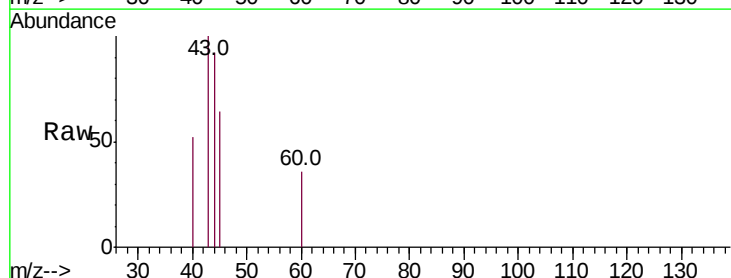
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

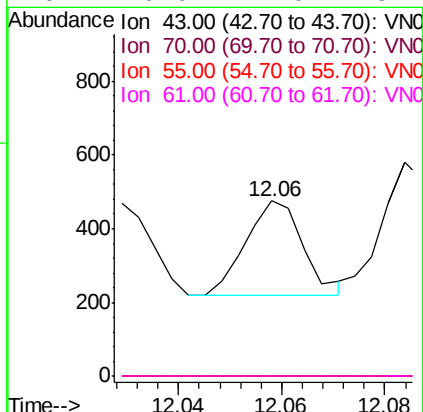
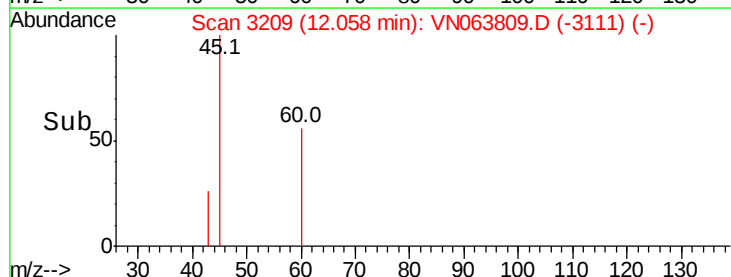


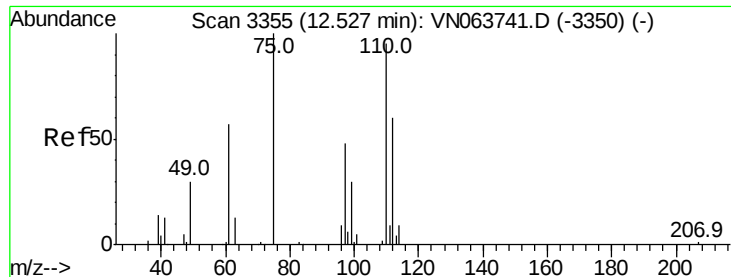
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.252 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampleId :

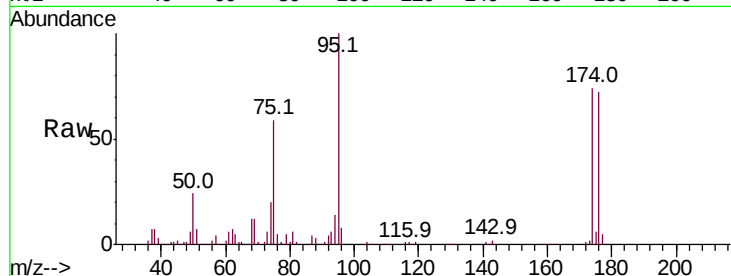
32676

Tot Ion: 75 Resp: 106015

Ion Ratio Lower Upper

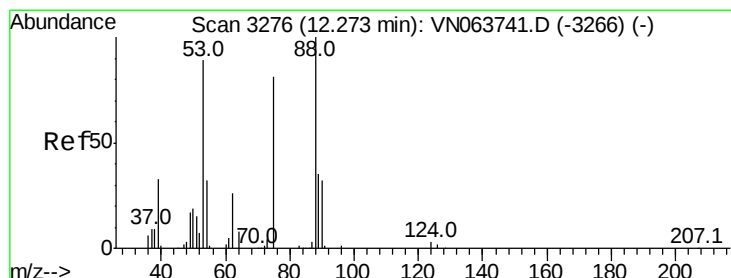
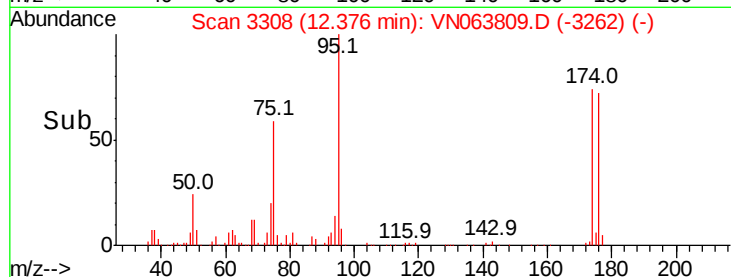
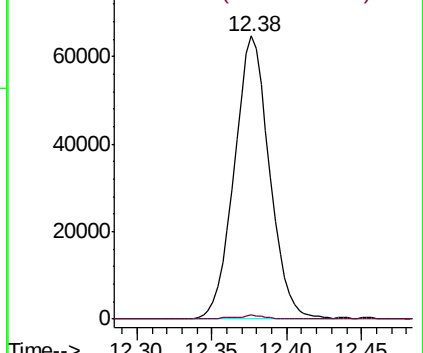
75 100

77 1.3 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: 87.131 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

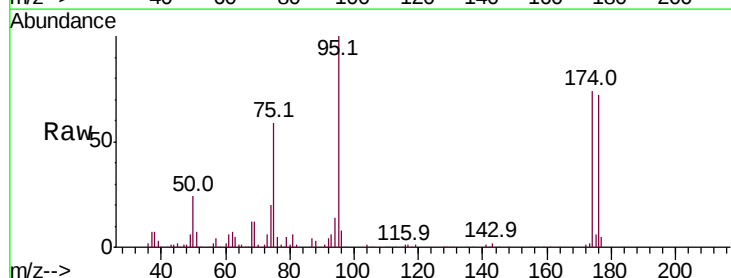
Tgt Ion: 75 Resp: 106015

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

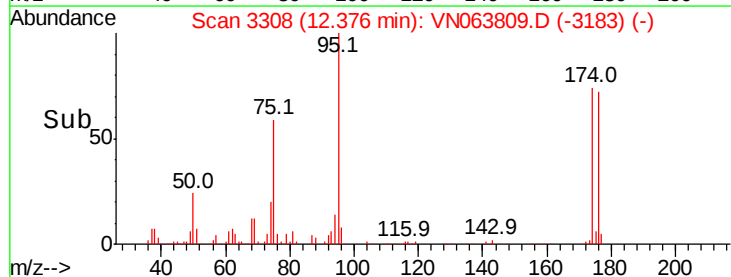
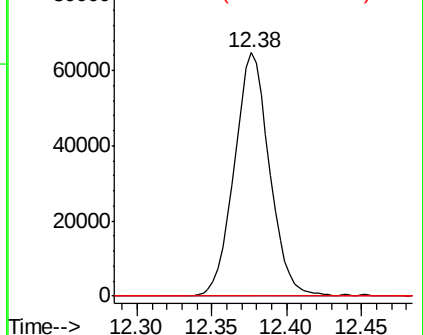
89 0.0 36.0 54.0#

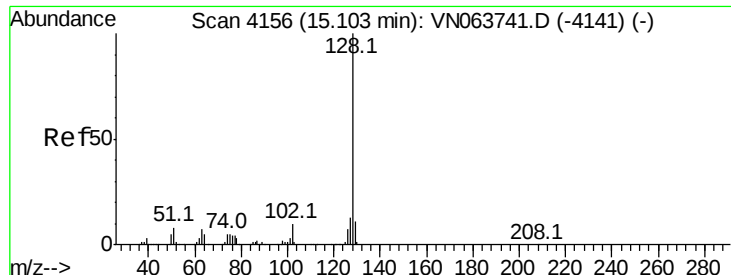


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 2.155 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063809.D

Acq: 2 Oct 2020 7:20

Instrument :

MSVOA_N

ClientSampleId :

32676

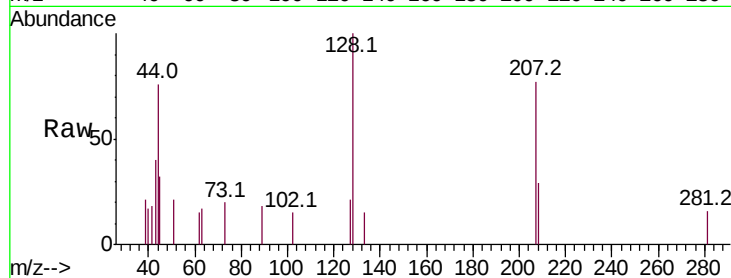
Tot Ion:128 Resp: 2061

Ion Ratio Lower Upper

128 100

127 10.6 10.5 15.7

129 2.9 8.7 13.1#



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

