

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063680.D
 Acq On : 25 Sep 2020 15:55
 Operator : JC/MD
 Sample : L4119-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20200922

Quant Time: Sep 28 02:02:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	202061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	374510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	386286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158795	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	172788	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	7.55	113	124815	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	10.06	98	486674	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.38	95	188297	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	

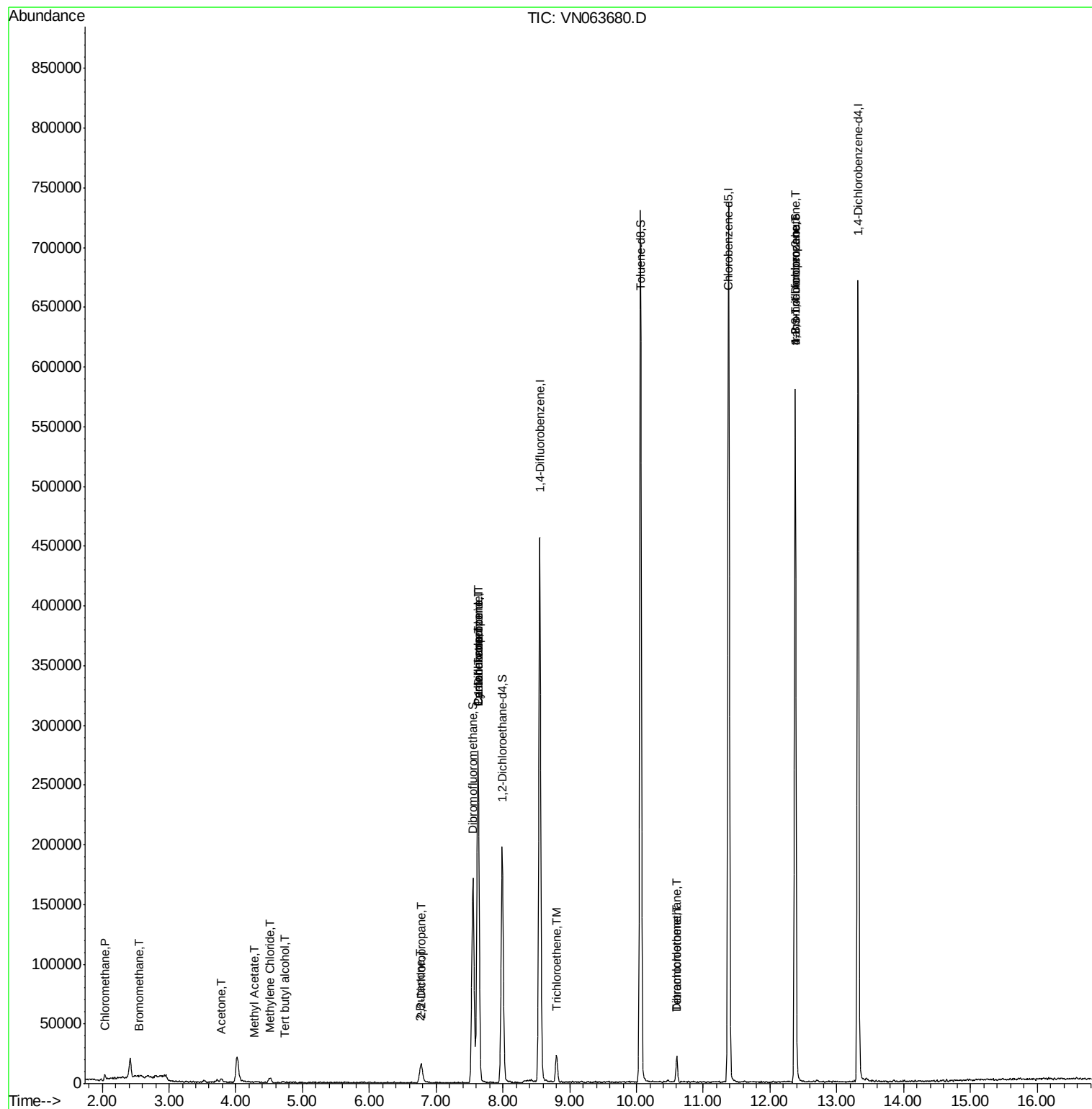
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3122	1.031	ug/l	98
5) Bromomethane	2.55	94	407	0.255	ug/l #	3
11) Tert butyl alcohol	4.73	59	106	0.222	ug/l #	72
16) Acetone	3.78	43	5840	5.283	ug/l #	89
18) Methyl Acetate	4.29	43	663	0.236	ug/l #	54
20) Methylene Chloride	4.50	84	1233	0.440	ug/l #	64
25) 2-Butanone	6.76	43	754	0.443	ug/l #	51
26) 2,2-Dichloropropane	6.77	77	942	0.213	ug/l #	55
31) Cyclohexane	7.63	56	5832	1.228	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	19782	4.958	ug/l #	50
38) Carbon Tetrachloride	7.63	117	21853	5.365	ug/l #	16
44) Trichloroethene	8.80	130	7076	2.561	ug/l	98
60) Dibromochloromethane	10.60	129	4548	1.480	ug/l #	10
64) Tetrachloroethene	10.60	164	4981	1.894	ug/l #	84
76) 1,2,3-Trichloropropane	12.38	75	107615	27.380	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107615	75.066	ug/l #	7

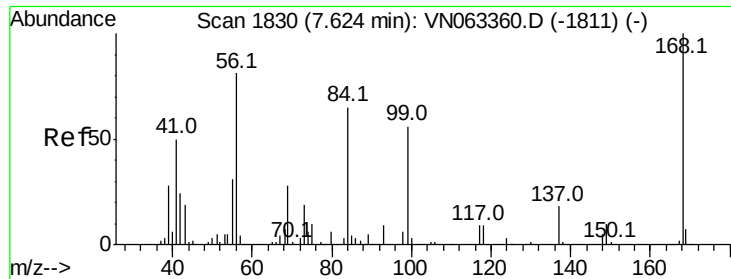
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

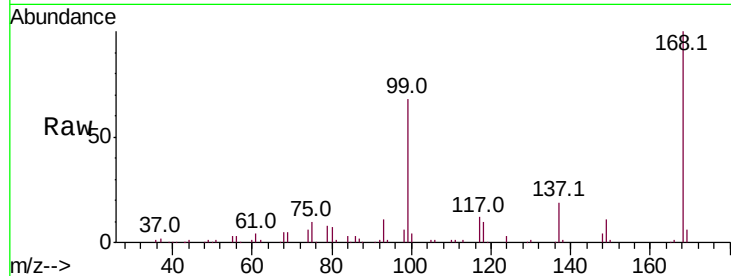
DUP06-20200922

Tot Ion:168 Resp: 202061

Ion Ratio Lower Upper

168 100

99 68.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

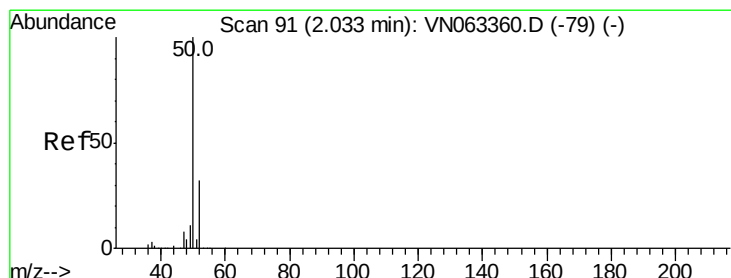
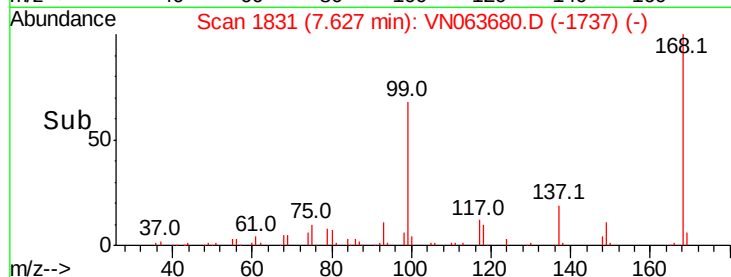
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 1.031 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063680.D

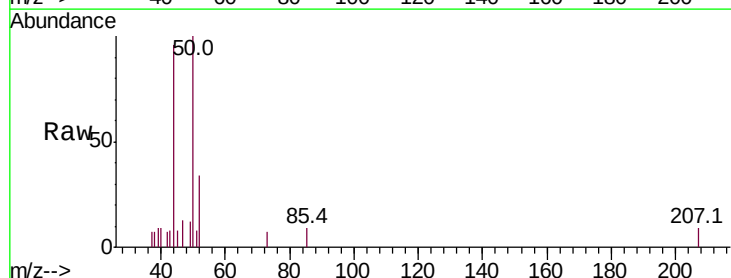
Acq: 25 Sep 2020 15:55

Tgt Ion: 50 Resp: 3122

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

2500

2000

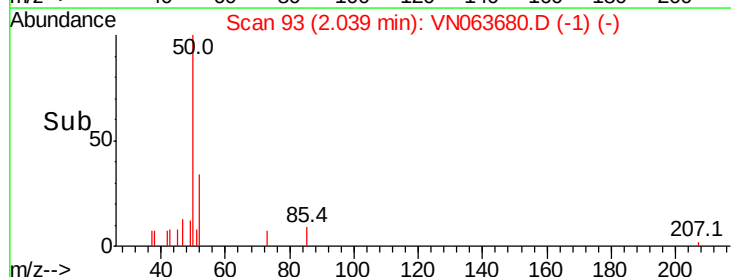
1500

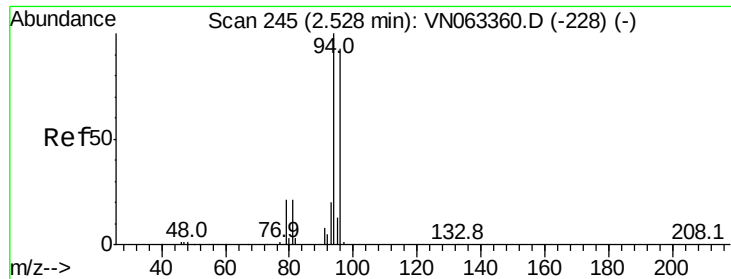
1000

500

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.255 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

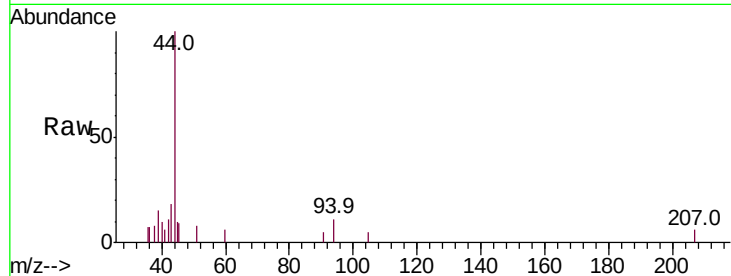
DUP06-20200922

Tot Ion: 94 Resp: 407

Ion Ratio Lower Upper

94 100

96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

300

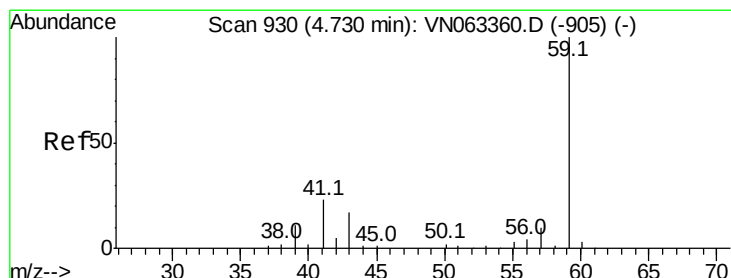
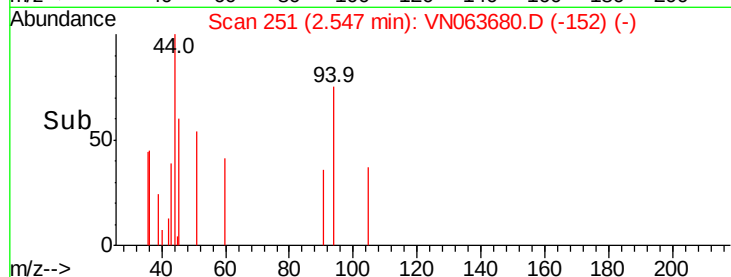
200

100

0

2.52 2.54 2.56 2.58

Time-->



#11

Tert butyl alcohol

Concen: 0.222 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063680.D

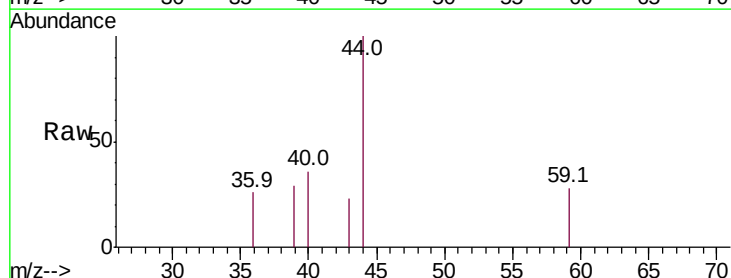
Acq: 25 Sep 2020 15:55

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

200

150

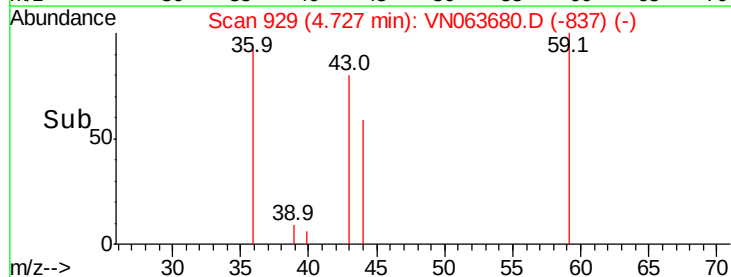
100

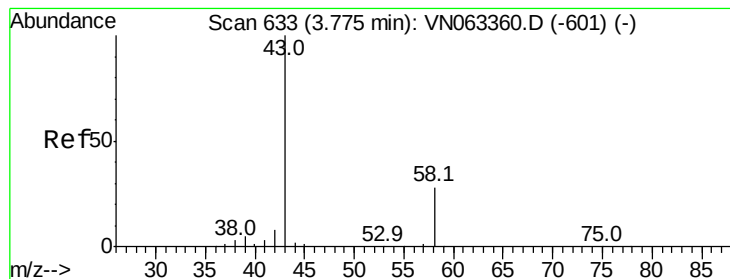
50

0

4.72 4.73 4.74

Time-->





#16

Acetone

Concen: 5.283 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

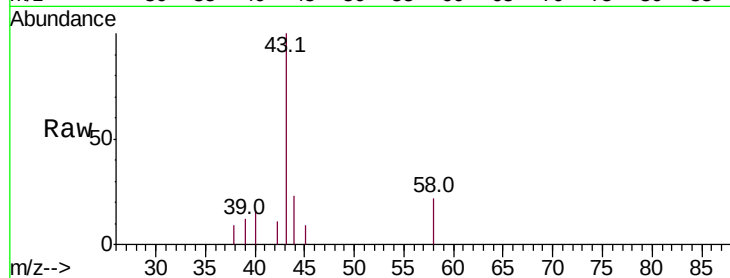
DUP06-20200922

Tot Ion: 43 Resp: 5840

Ion Ratio Lower Upper

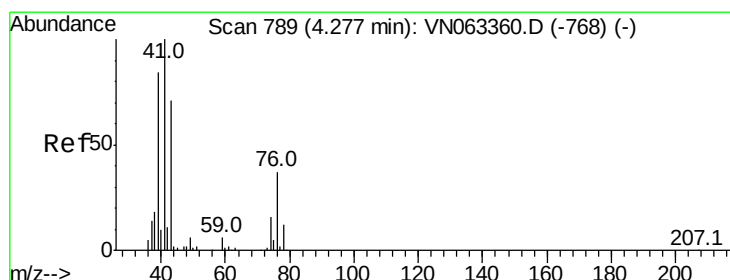
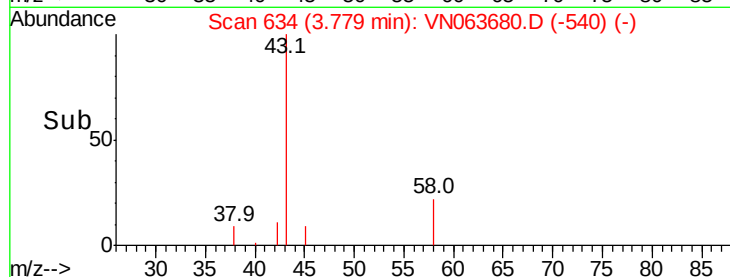
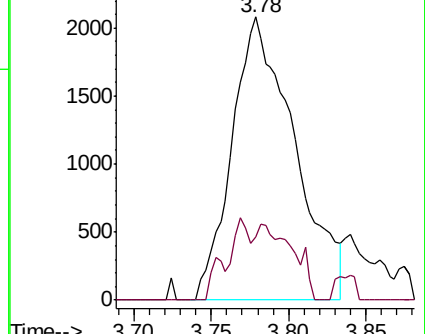
43 100

58 22.3 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN063680.D

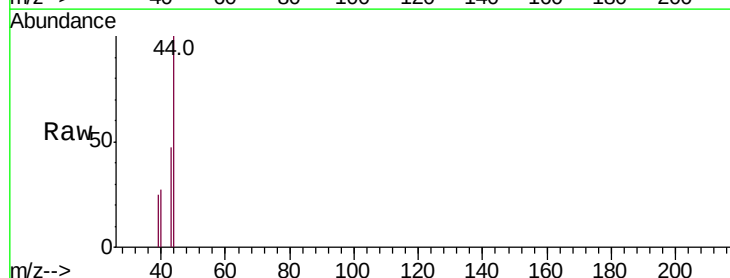
Acq: 25 Sep 2020 15:55

Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

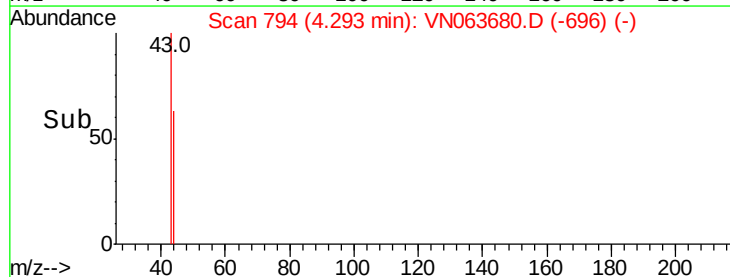
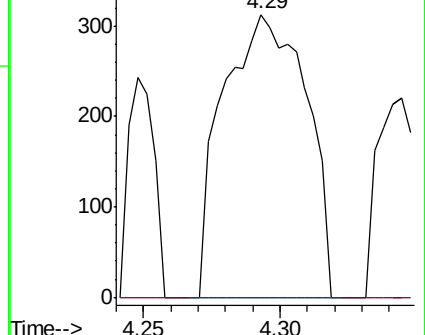
43 100

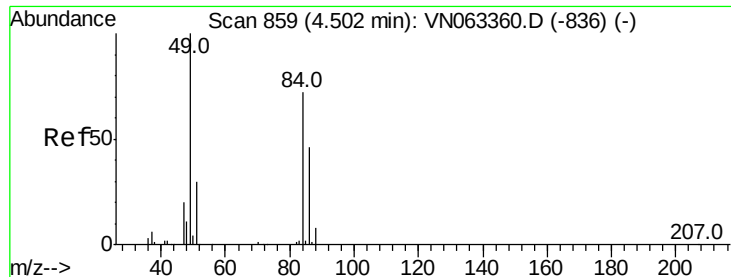
74 0.0 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

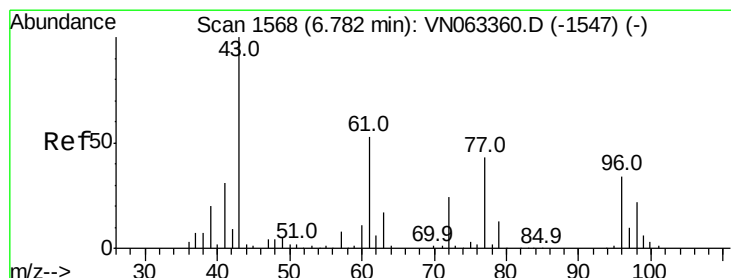
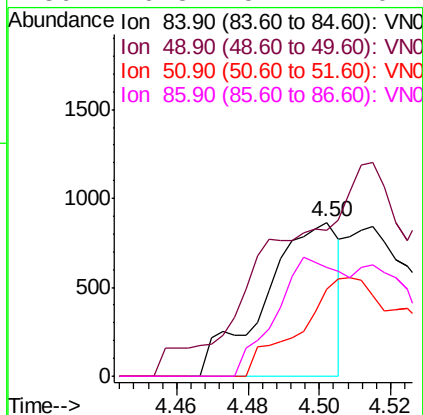
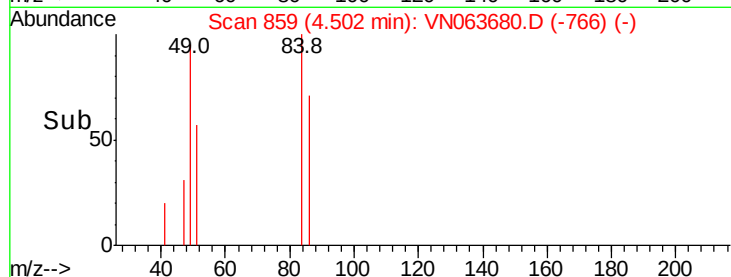
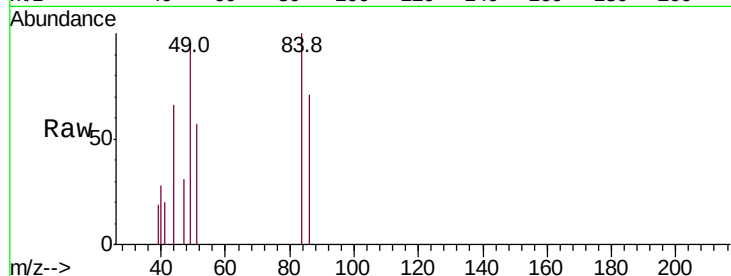




#20
Methvlene Chloride
Concen: 0.440 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063680.D
Acq: 25 Sep 2020 15:55

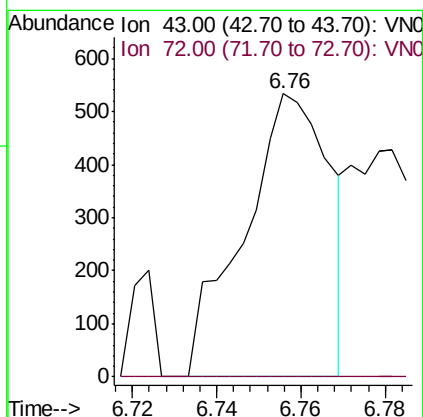
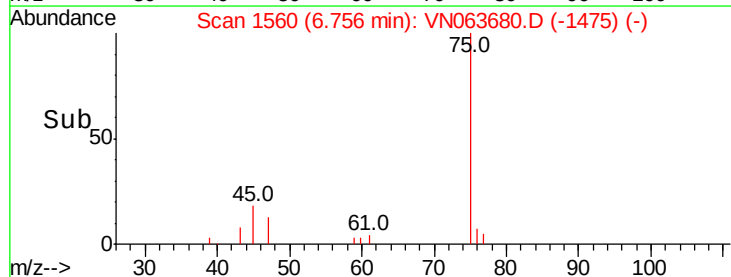
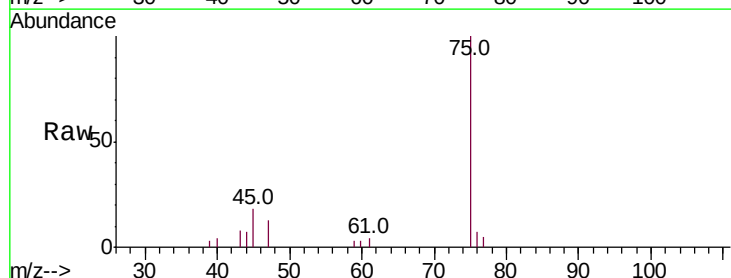
Instrument :
MSVOA_N
ClientSampled :
DUP06-20200922

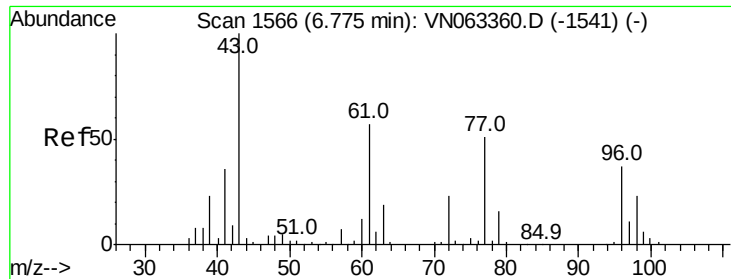
Tot Ion: 84 Resp: 1233
Ion Ratio Lower Upper
84 100
49 76.1 110.7 166.1#
51 56.6 32.9 49.3#
86 70.8 51.1 76.7



#25
2-Butanone
Concen: 0.443 ug/l
RT: 6.76 min Scan# 1560
Delta R.T. -0.03 min
Lab File: VN063680.D
Acq: 25 Sep 2020 15:55

Tgt Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#26

2,2-Dichloropropane

Concen: 0.213 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

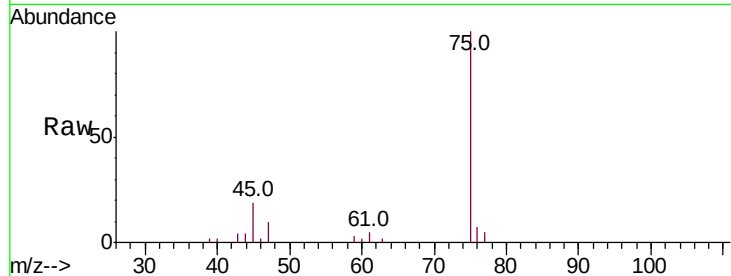
DUP06-20200922

Tot Ion: 77 Resp: 942

Ion Ratio Lower Upper

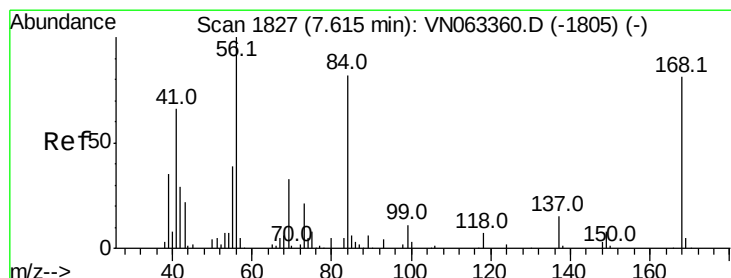
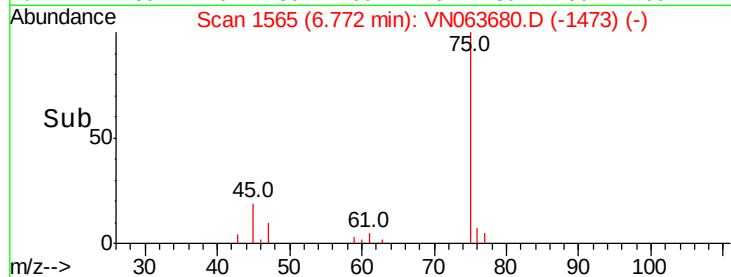
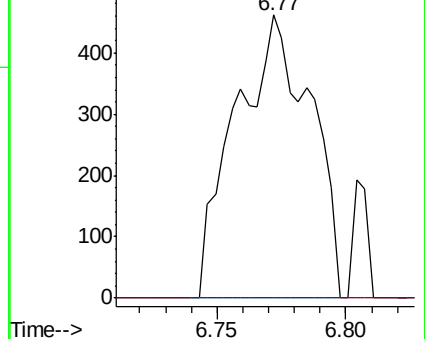
77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

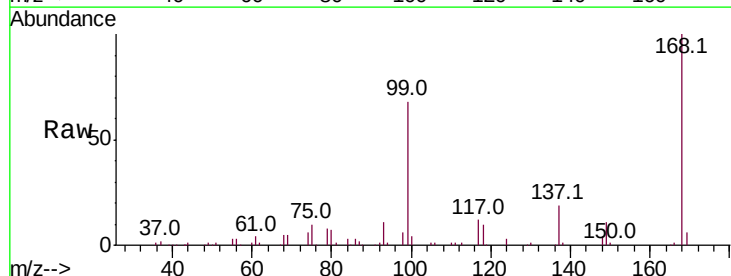
Tgt Ion: 56 Resp: 5832

Ion Ratio Lower Upper

56 100

69 171.4 26.1 39.1#

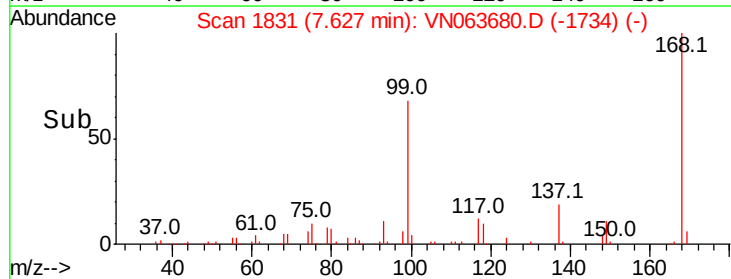
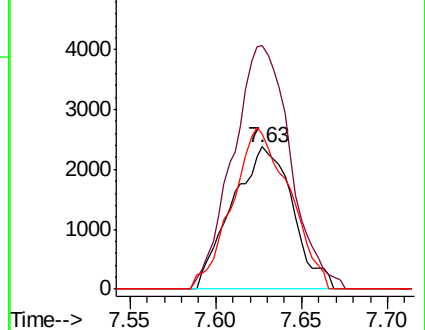
84 109.4 65.4 98.2#

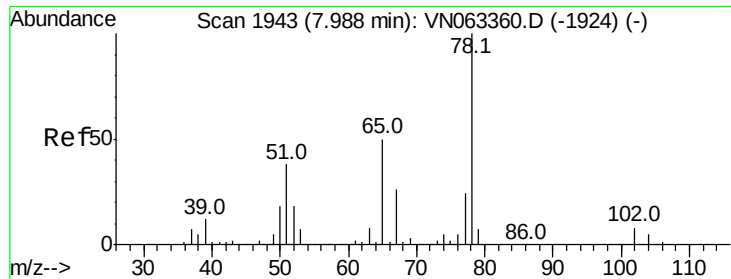


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.235 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

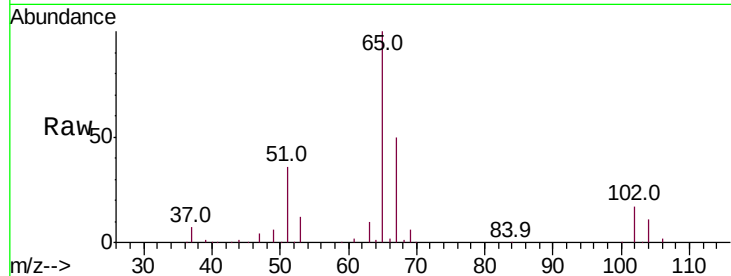
DUP06-20200922

Tot Ion: 65 Resp: 172788

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.2



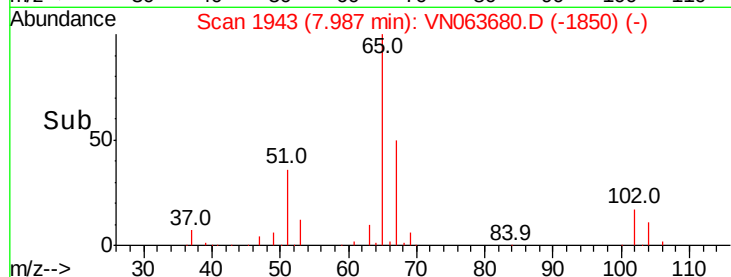
Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

7.99

8.05

Time-->



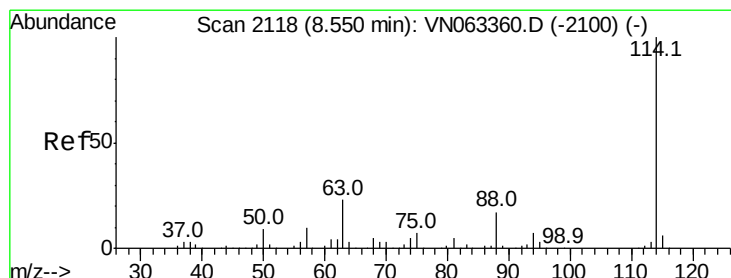
Abundance Ion 64.90 (64.60 to 65.60): VN063680.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063680.D (-1850) (-)

7.99

8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

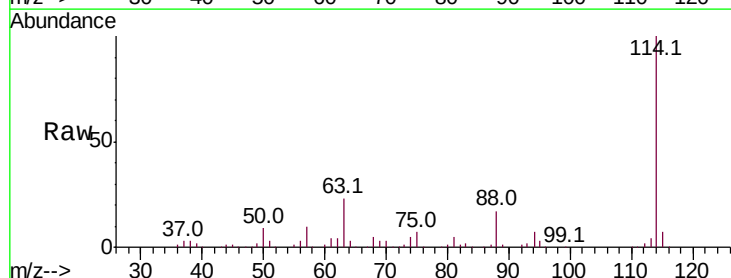
Tgt Ion:114 Resp: 374510

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.4

88 16.7 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

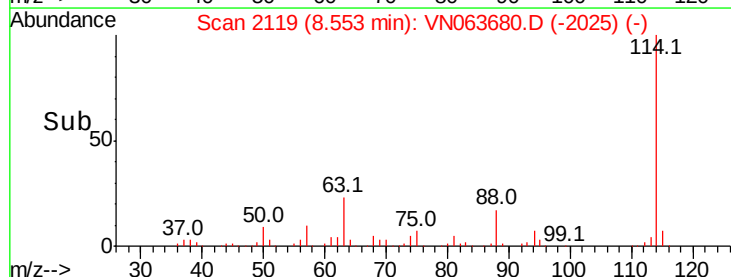
Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

8.60

Time-->



Abundance Ion 113.90 (113.60 to 114.60): VN063680.D (-2025) (-)

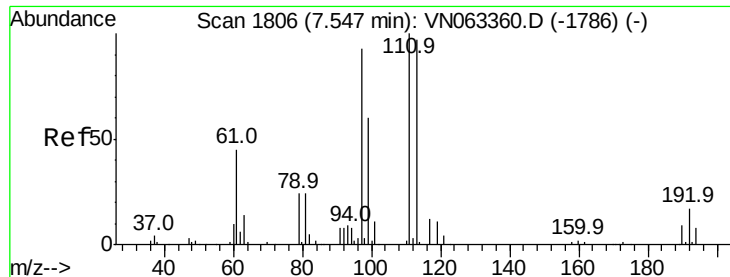
Ion 63.00 (62.70 to 63.70): VN063680.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063680.D (-2025) (-)

8.55

8.60

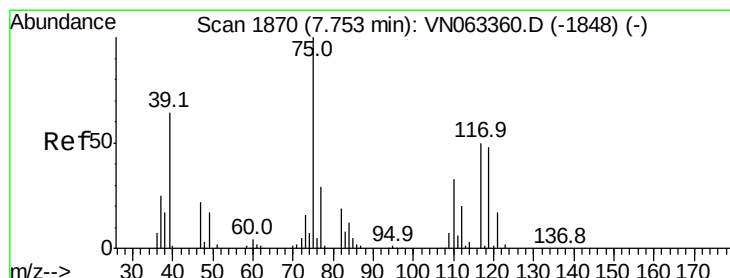
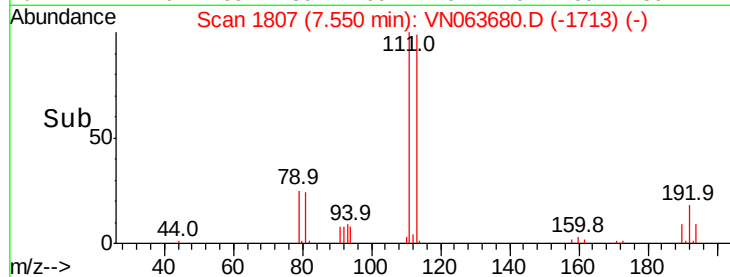
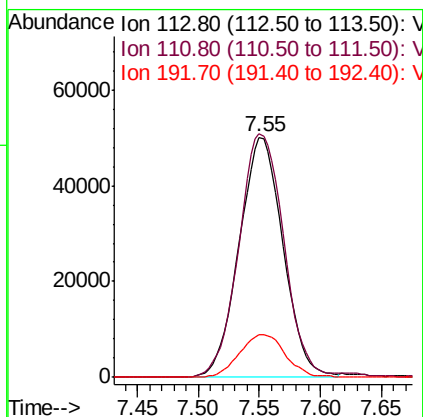
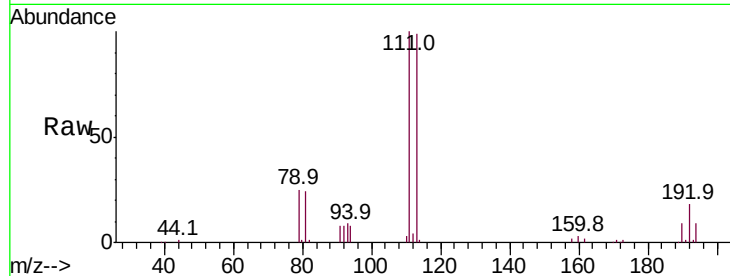
Time-->



#35
Dibromofluoromethane
Concen: 48.142 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063680.D
Acq: 25 Sep 2020 15:55

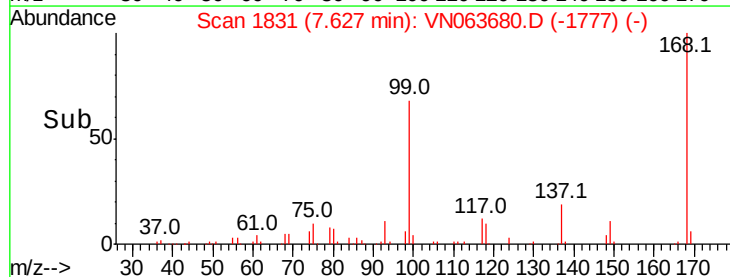
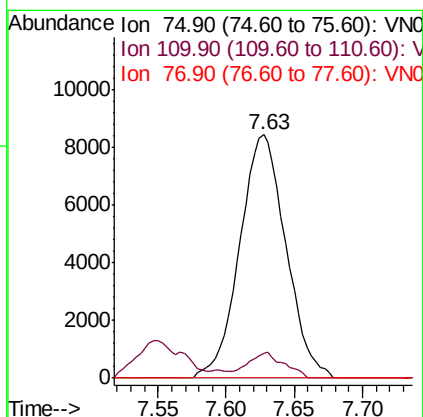
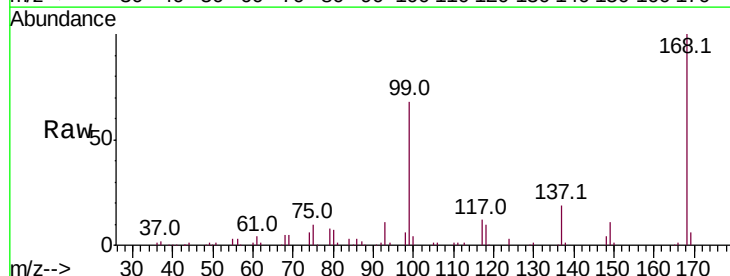
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20200922

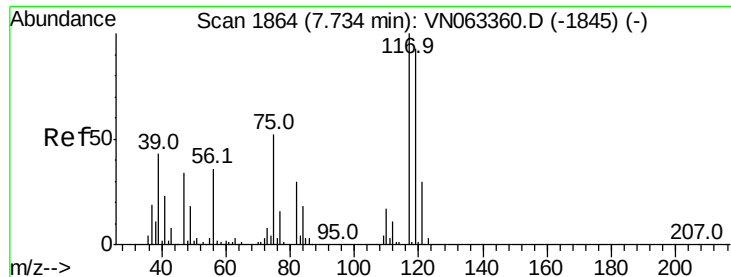
Tot Ion:113 Resp: 124815
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 18.6 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063680.D
Acq: 25 Sep 2020 15:55

Tgt Ion: 75 Resp: 19782
Ion Ratio Lower Upper
75 100
110 8.5 16.5 49.5#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.365 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

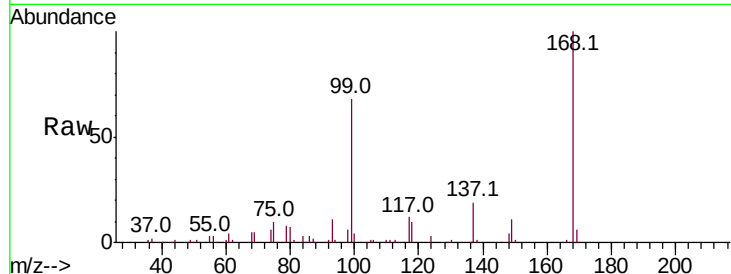
Tot Ion:117 Resp: 21853

Ion Ratio Lower Upper

117 100

119 3.9 74.5 111.7#

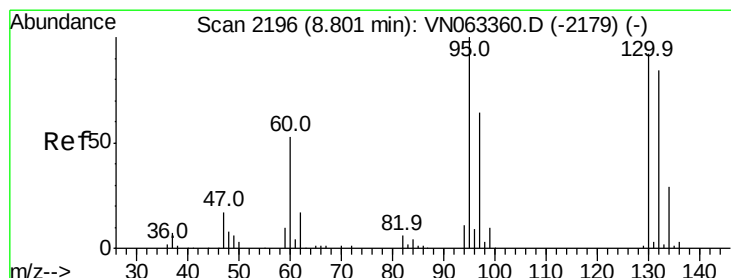
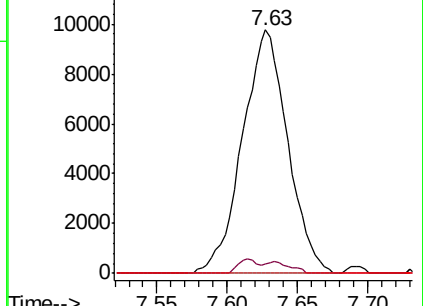
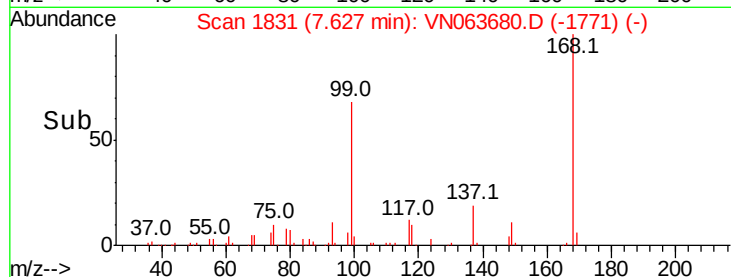
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 2.561 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063680.D

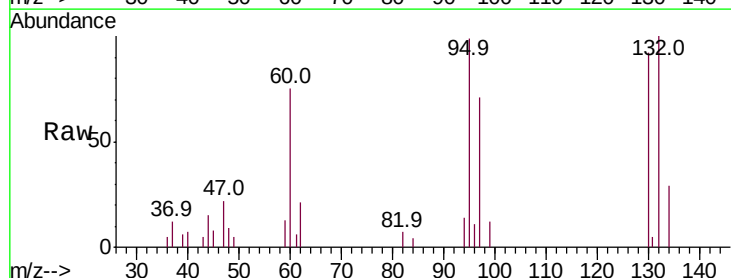
Acq: 25 Sep 2020 15:55

Tgt Ion:130 Resp: 7076

Ion Ratio Lower Upper

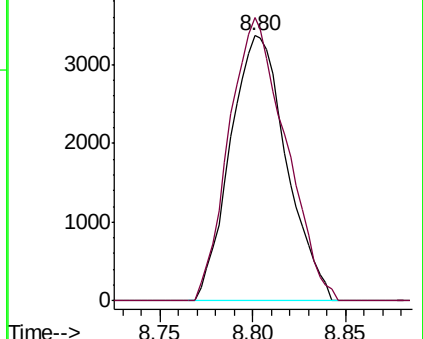
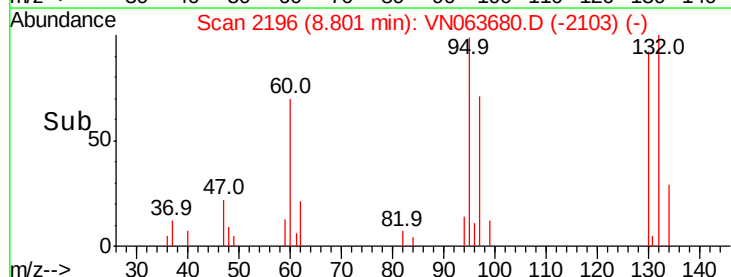
130 100

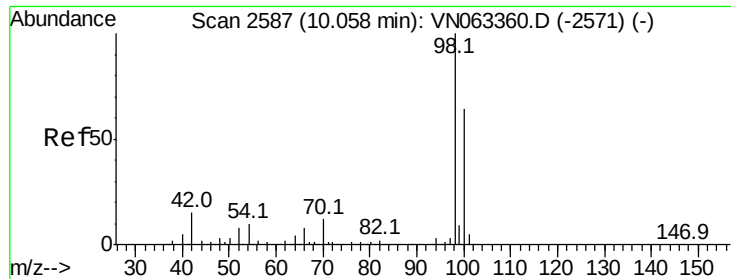
95 106.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

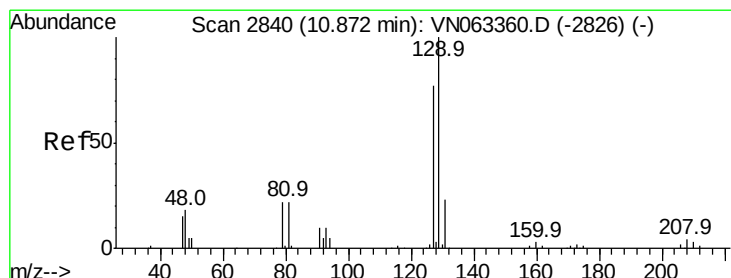
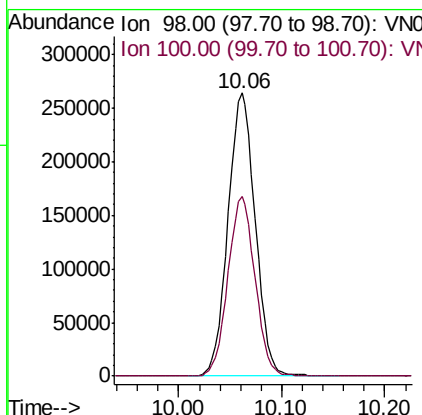
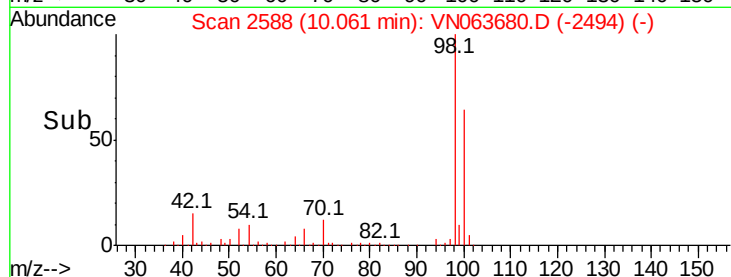
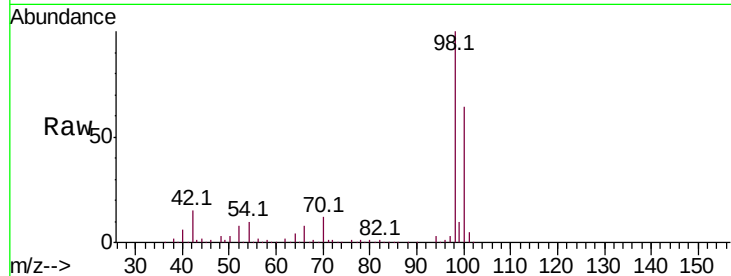




#50
Toluene-d8
Concen: 49.921 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063680.D
Acq: 25 Sep 2020 15:55

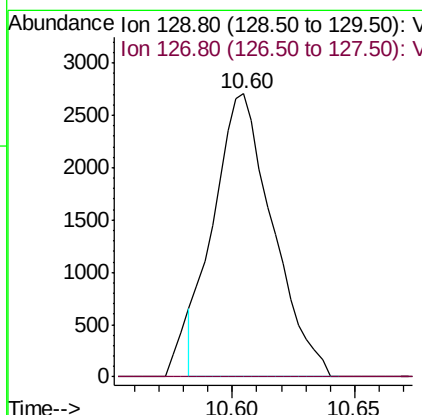
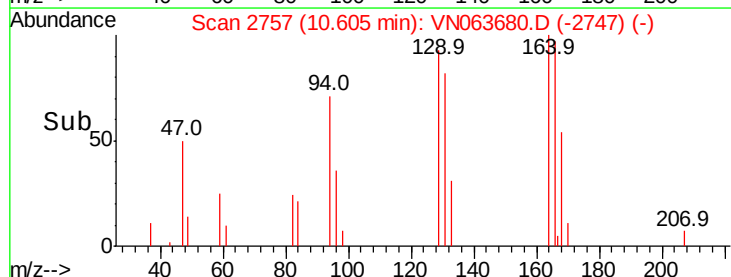
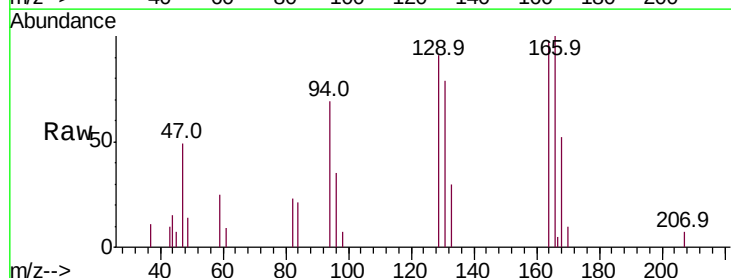
Instrument :
MSVOA_N
ClientSampleId :
DUP06-20200922

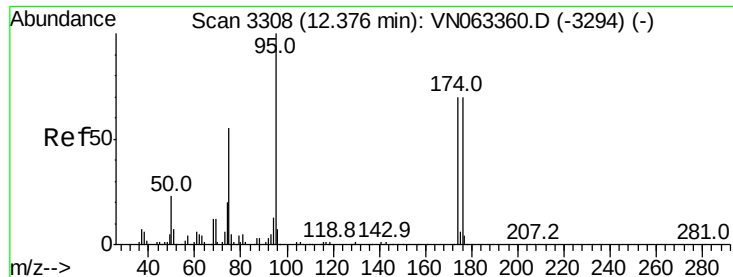
Tot Ion: 98 Resp: 486674
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



#60
Dibromochloromethane
Concen: 1.480 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. -0.27 min
Lab File: VN063680.D
Acq: 25 Sep 2020 15:55

Tgt Ion: 129 Resp: 4548
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 52.689 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

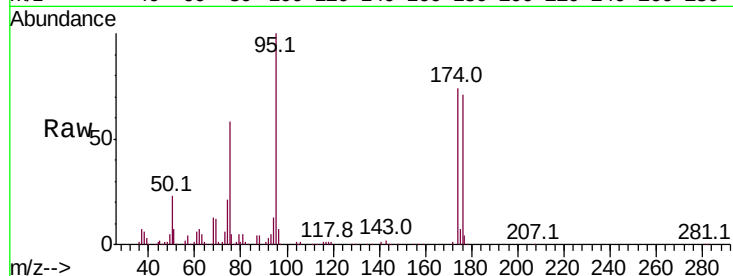
Tot Ion: 95 Resp: 188297

Ion Ratio Lower Upper

95 100

174 73.7 0.0 140.8

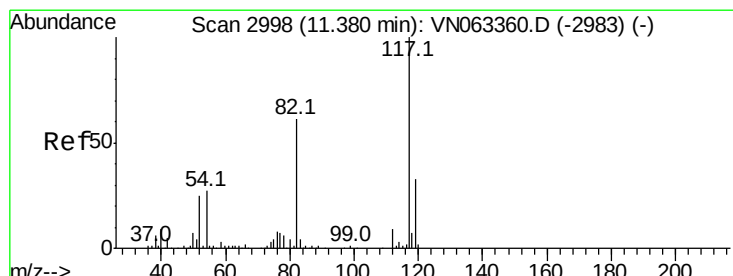
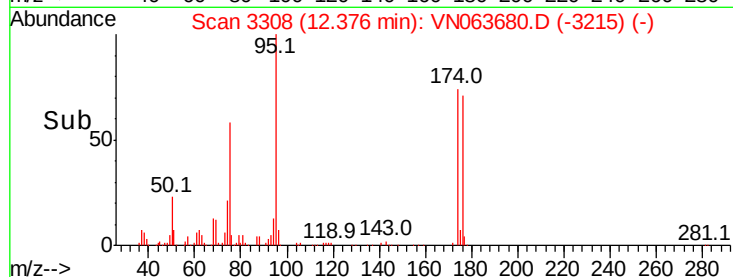
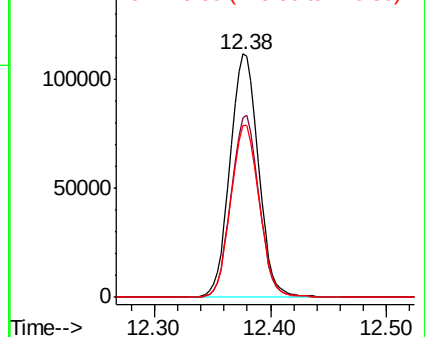
176 71.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

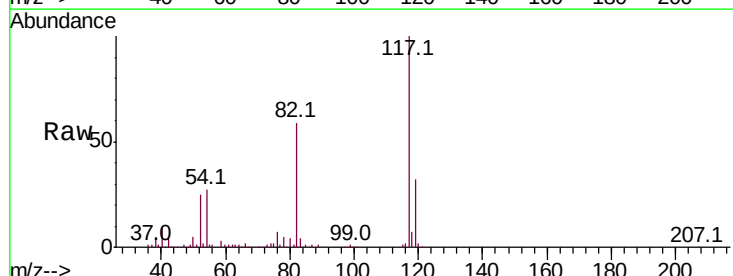
Tgt Ion: 117 Resp: 386286

Ion Ratio Lower Upper

117 100

82 59.5 49.2 73.8

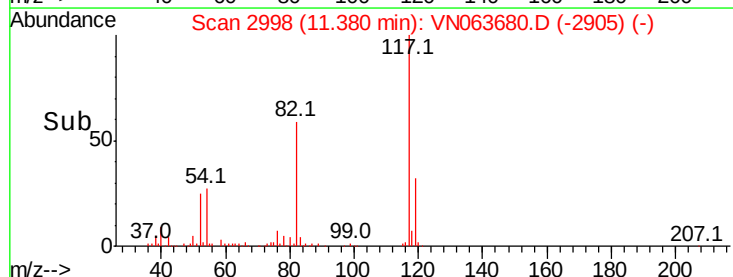
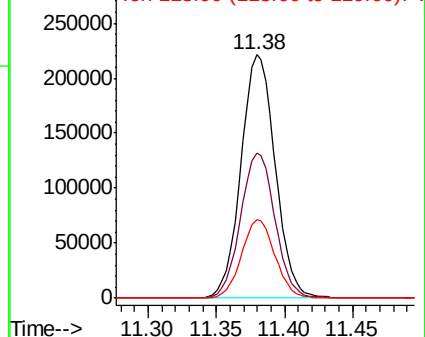
119 32.4 26.2 39.4

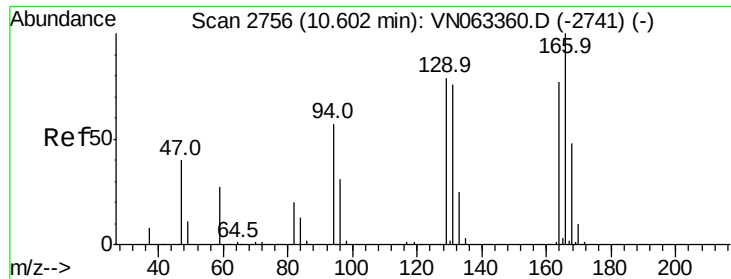


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 1.894 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

Tot Ion:164 Resp: 4981

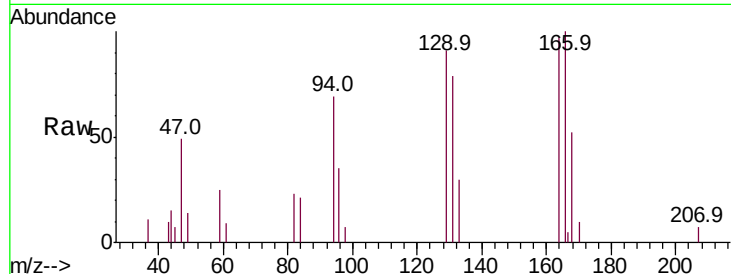
Ion Ratio Lower Upper

164 100

166 103.0 103.4 155.0#

129 93.3 81.8 122.6

131 81.9 78.2 117.4



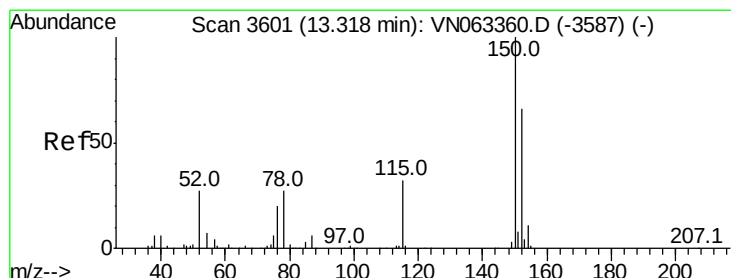
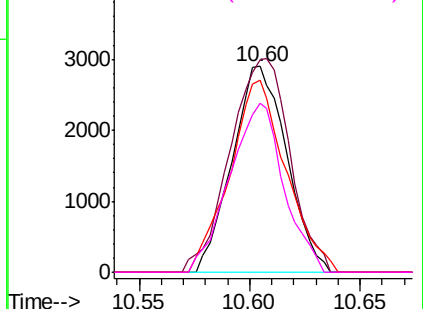
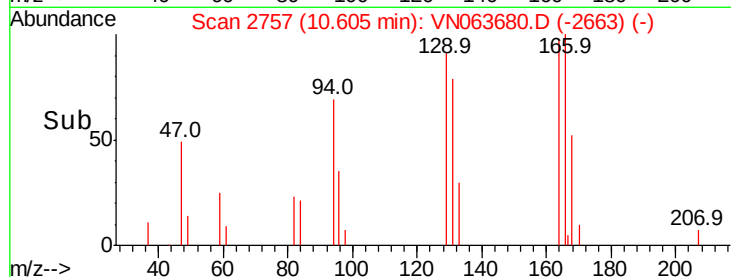
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN063680.D

Acq: 25 Sep 2020 15:55

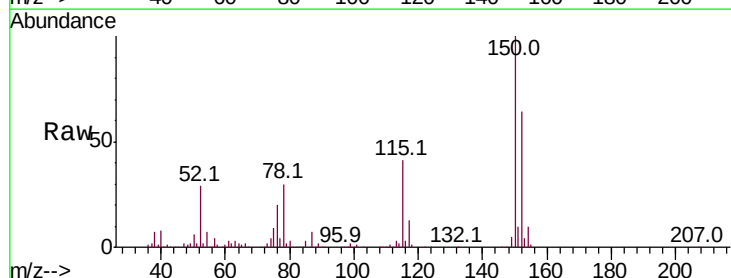
Tgt Ion:152 Resp: 158795

Ion Ratio Lower Upper

152 100

115 64.7 32.2 96.6

150 159.5 0.0 343.4

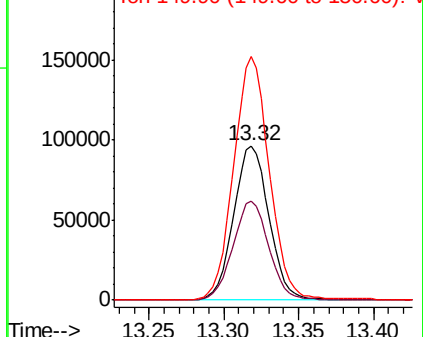
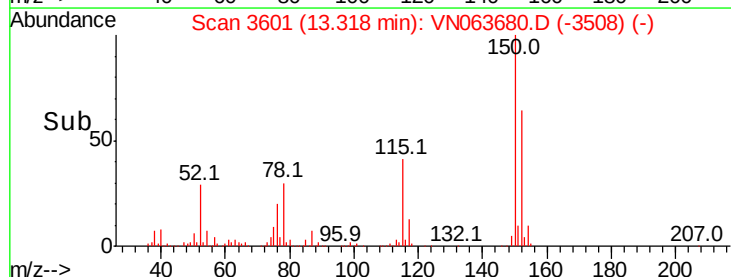


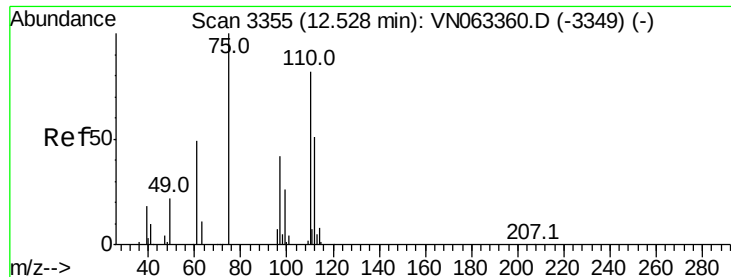
Abundance

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: 27.380 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

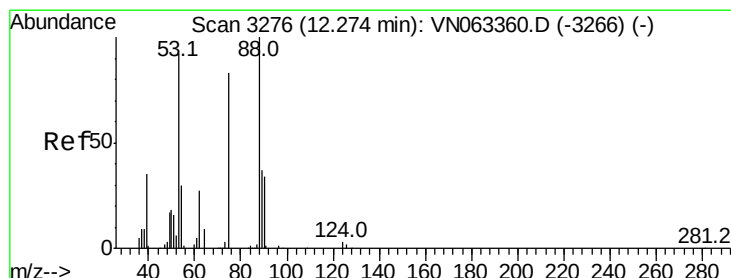
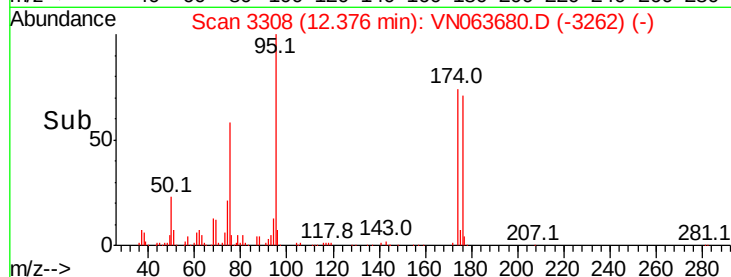
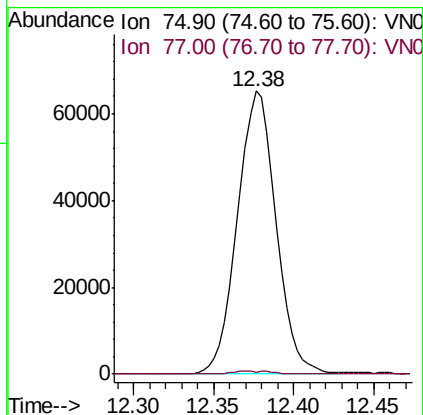
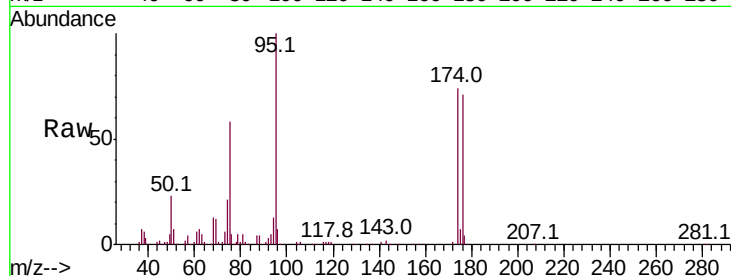
DUP06-20200922

Tot Ion: 75 Resp: 107615

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.066 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063680.D

Acq: 25 Sep 2020 15:55

Tgt Ion: 75 Resp: 107615

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

