

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
 Data File : VN063435.D  
 Acq On : 17 Sep 2020 22:23  
 Operator : JC/MD  
 Sample : VN0917MBL02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0917MBL02

Quant Time: Sep 18 04:55:53 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

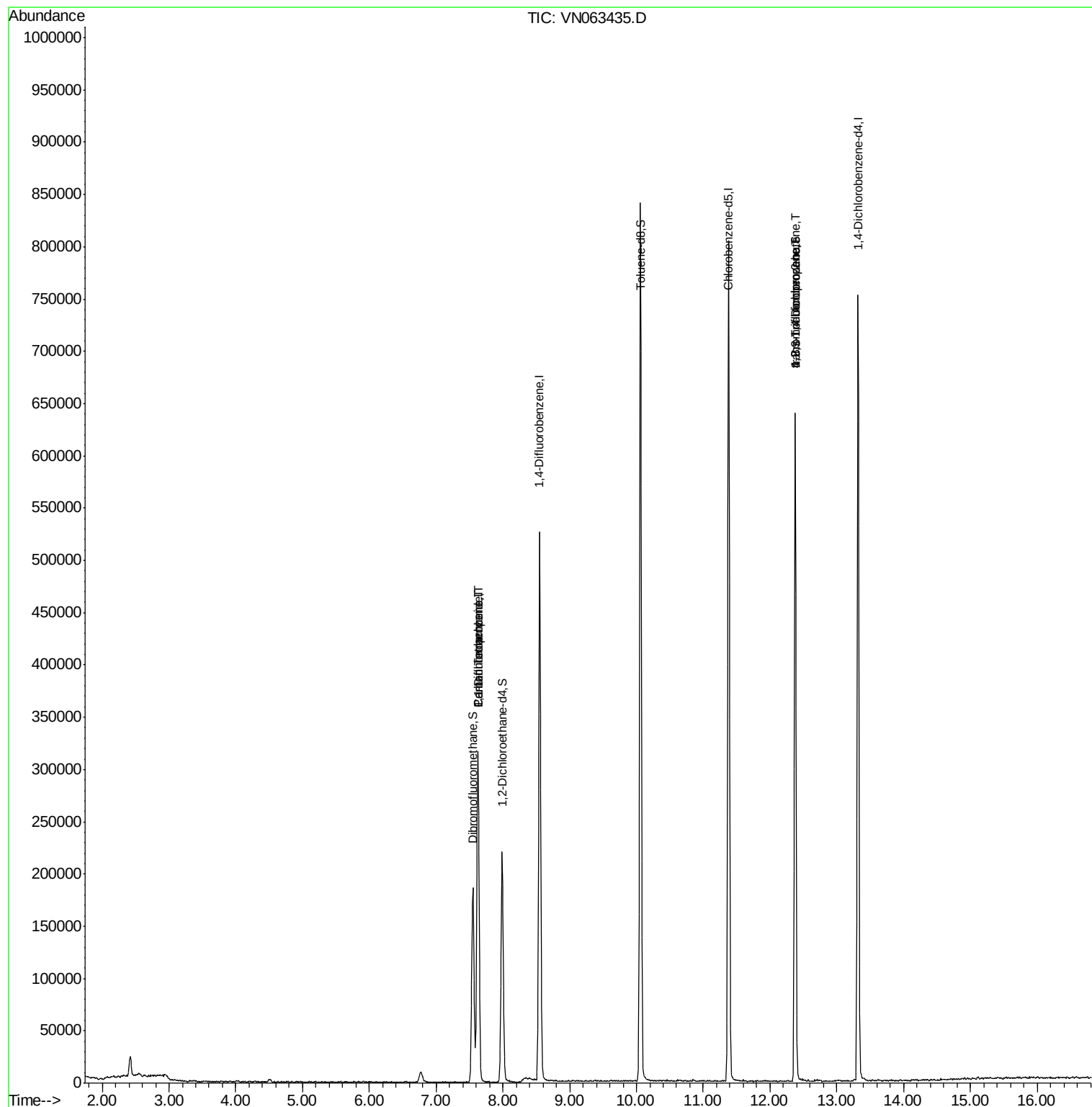
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.63  | 168  | 234679   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.55  | 114  | 428349   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.38 | 117  | 425996   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.32 | 152  | 184151   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 7.99  | 65   | 193121   | 48.34  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 96.68%  |          |
| 35) Dibromofluoromethane       | 7.55  | 113  | 139450   | 47.03  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 94.06%  |          |
| 50) Toluene-d8                 | 10.06 | 98   | 557521   | 50.00  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 100.00% |          |
| 62) 4-Bromofluorobenzene       | 12.38 | 95   | 215757   | 52.78  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 105.56% |          |
| Target Compounds               |       |      |          |        |         |          |
| 36) 1,1-Dichloropropene        | 7.62  | 75   | 22975    | 5.035  | ug/l #  | 47       |
| 38) Carbon Tetrachloride       | 7.62  | 117  | 26096    | 5.602  | ug/l #  | 18       |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 121246   | 26.601 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 121246   | 72.929 | ug/l #  | 7        |

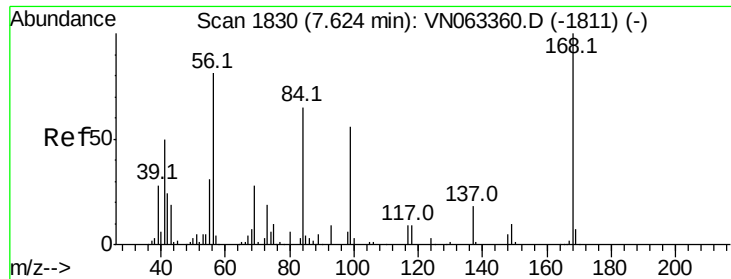
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
Data File : VN063435.D  
Acq On : 17 Sep 2020 22:23  
Operator : JC/MD  
Sample : VN0917MBL02  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0917MBL02

Quant Time: Sep 18 04:55:53 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
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: VN063435.D

Acq: 17 Sep 2020 22:23

Instrument :

MSVOA\_N

ClientSampled :

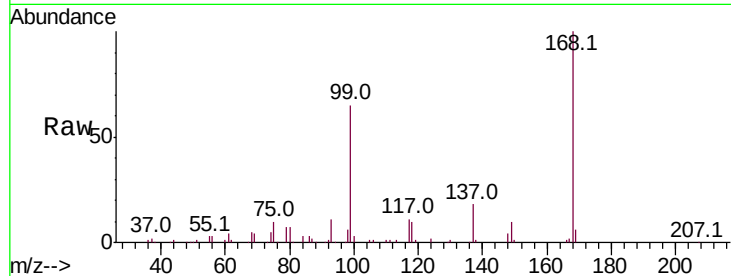
VN0917MBL02

Tot Ion:168 Resp: 234679

Ion Ratio Lower Upper

168 100

99 65.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

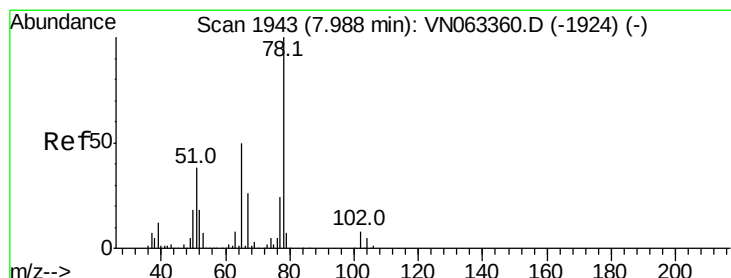
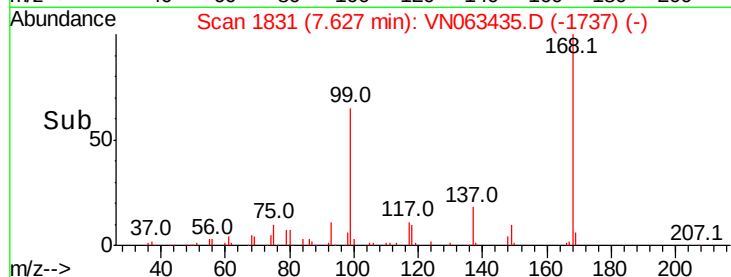
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 48.342 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063435.D

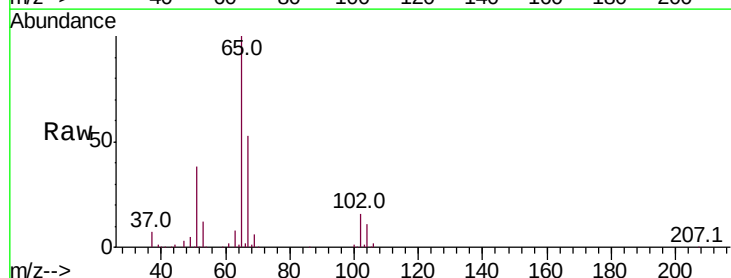
Acq: 17 Sep 2020 22:23

Tgt Ion: 65 Resp: 193121

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

7.99

80000

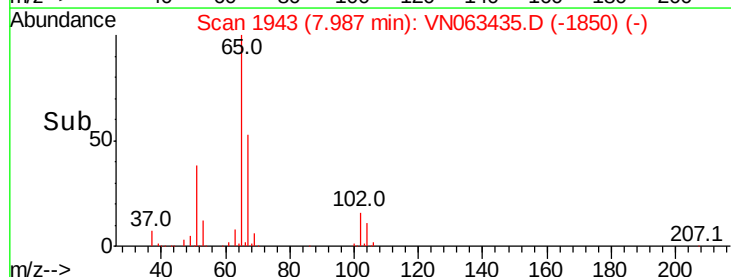
60000

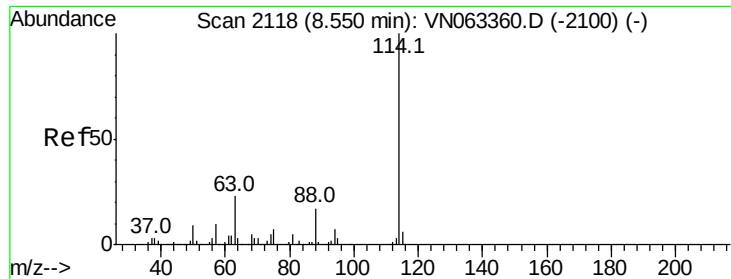
40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10

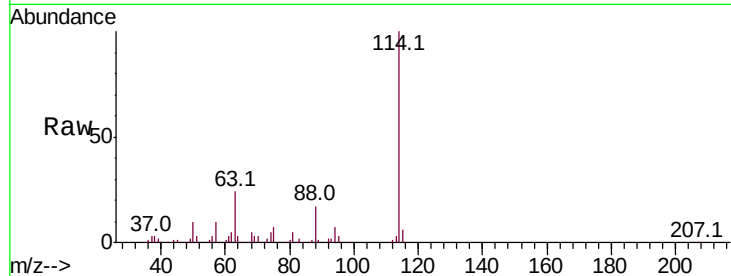




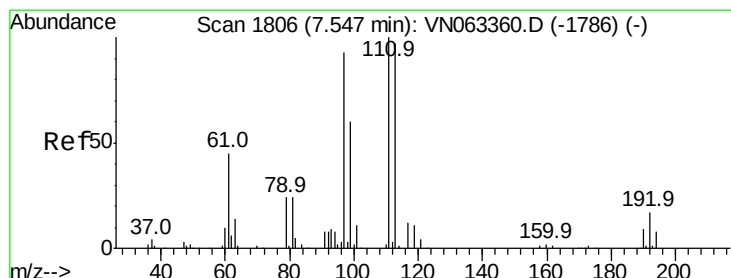
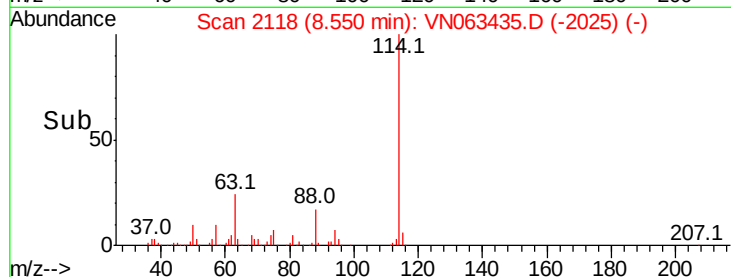
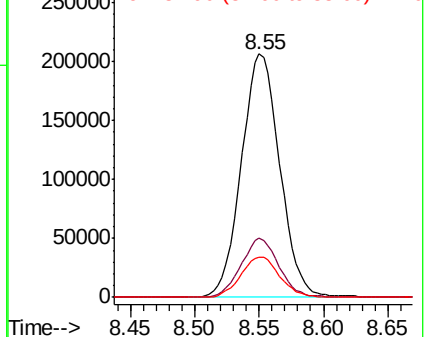
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.55 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: VN063435.D  
Acq: 17 Sep 2020 22:23

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0917MBL02

Tot Ion:114 Resp: 428349  
Ion Ratio Lower Upper  
114 100  
63 24.4 0.0 46.4  
88 16.7 0.0 33.2

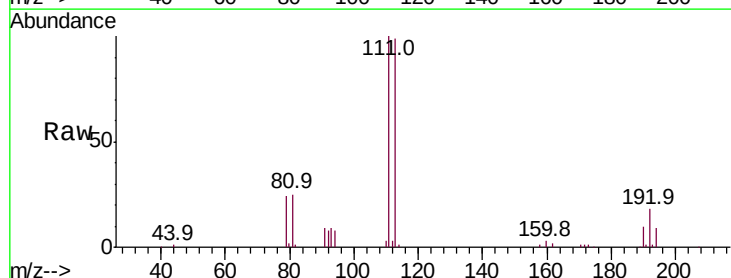


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

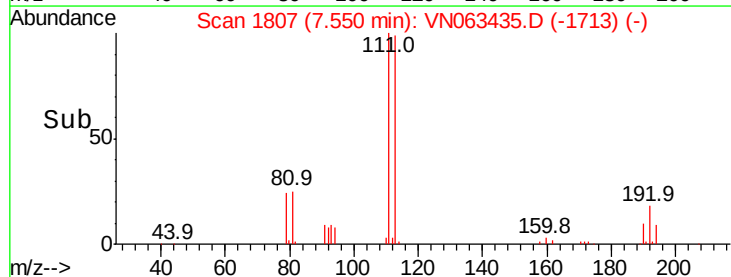
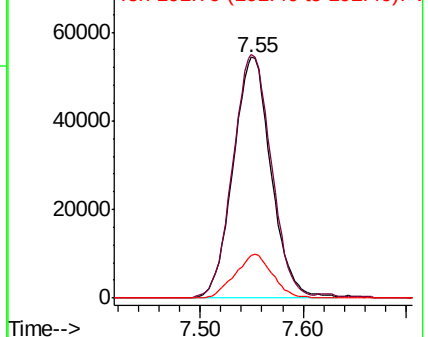


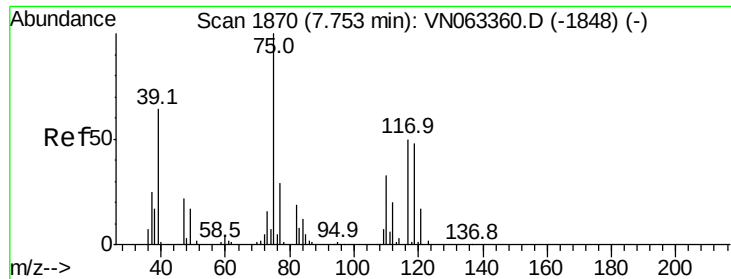
#35  
Dibromofluoromethane  
Concen: 47.026 ug/l  
RT: 7.55 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN063435.D  
Acq: 17 Sep 2020 22:23

Tgt Ion:113 Resp: 139450  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 17.8 13.9 20.9



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

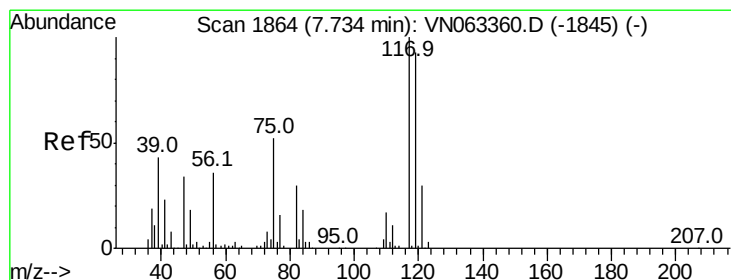
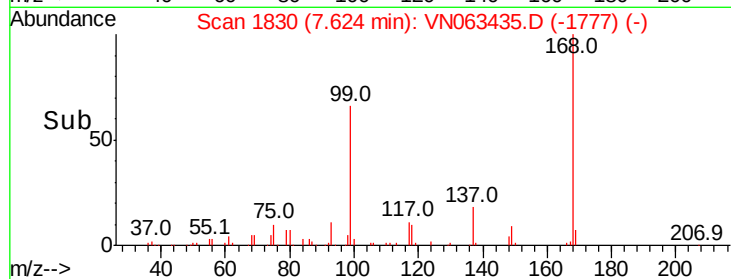
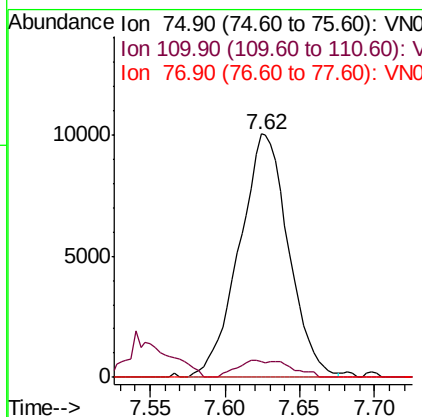
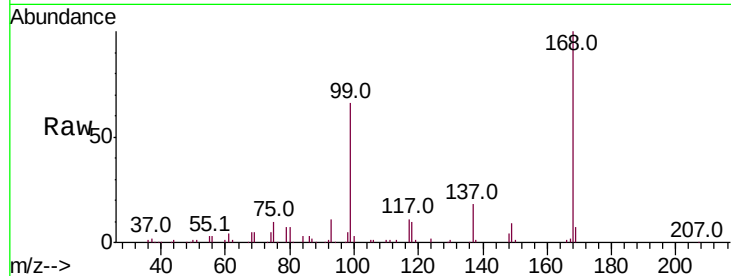




#36  
 1,1-Dichloropropene  
 Concen: 5.035 ug/l  
 RT: 7.62 min Scan# 1830  
 Delta R.T. -0.13 min  
 Lab File: VN063435.D  
 Acq: 17 Sep 2020 22:23

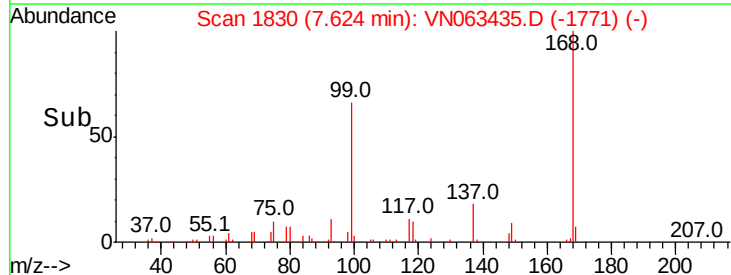
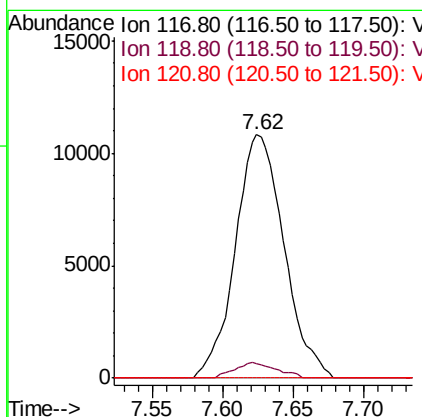
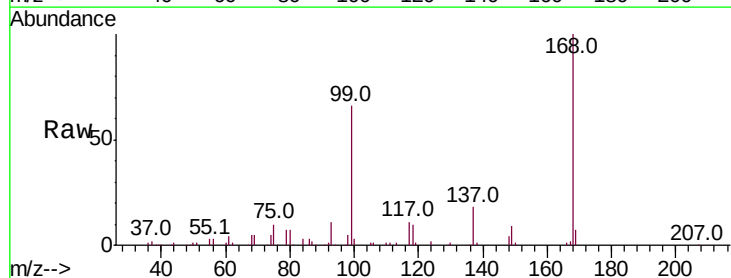
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0917MBL02

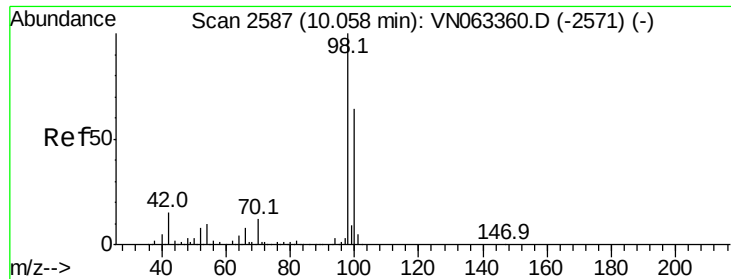
Tot Ion: 75 Resp: 22975  
 Ion Ratio Lower Upper  
 75 100  
 110 4.1 16.5 49.5#  
 77 0.0 24.6 36.8#



#38  
 Carbon Tetrachloride  
 Concen: 5.602 ug/l  
 RT: 7.62 min Scan# 1830  
 Delta R.T. -0.11 min  
 Lab File: VN063435.D  
 Acq: 17 Sep 2020 22:23

Tgt Ion: 117 Resp: 26096  
 Ion Ratio Lower Upper  
 117 100  
 119 6.0 74.5 111.7#  
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 50.000 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063435.D

Acq: 17 Sep 2020 22:23

Instrument :

MSVOA\_N

ClientSampleId :

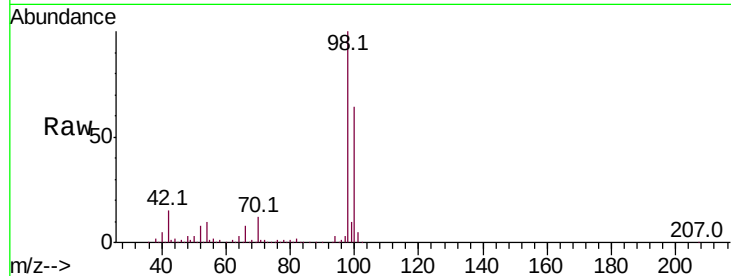
VN0917MBL02

Tot Ion: 98 Resp: 557521

Ion Ratio Lower Upper

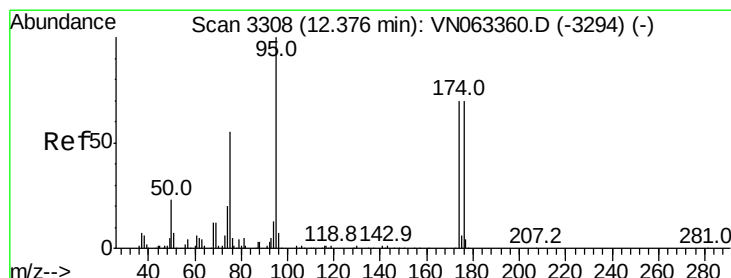
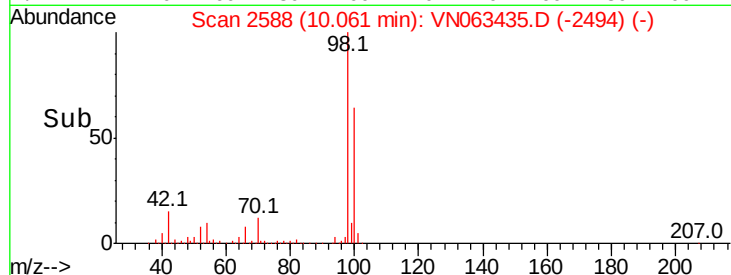
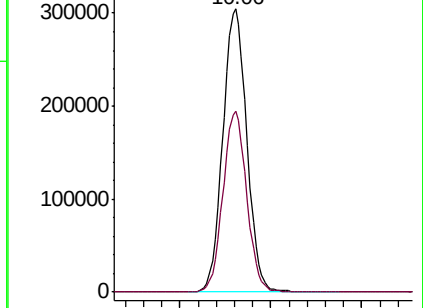
98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 52.784 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063435.D

Acq: 17 Sep 2020 22:23

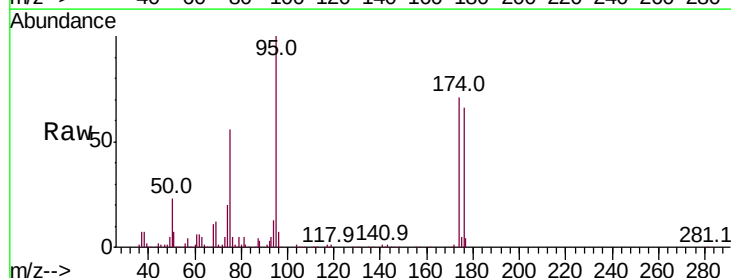
Tgt Ion: 95 Resp: 215757

Ion Ratio Lower Upper

95 100

174 70.8 0.0 140.8

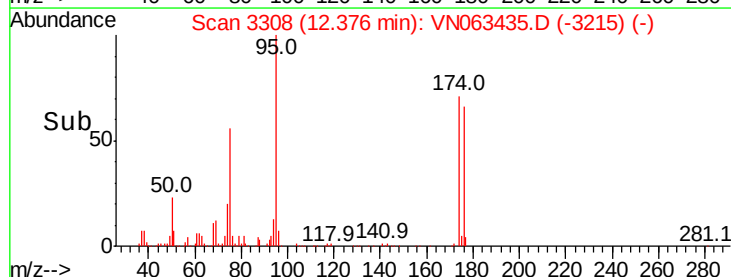
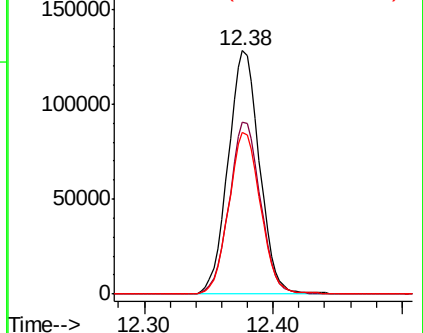
176 67.7 0.0 137.6

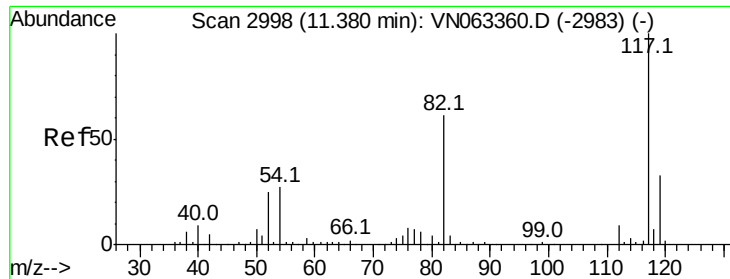


Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)

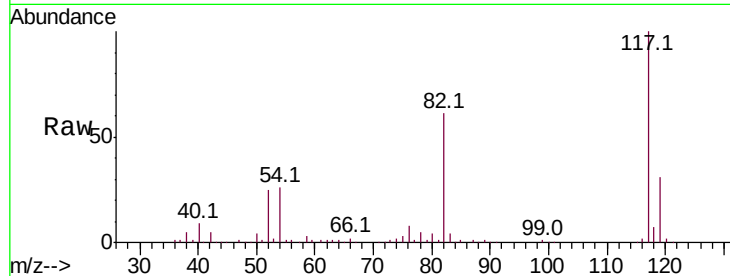




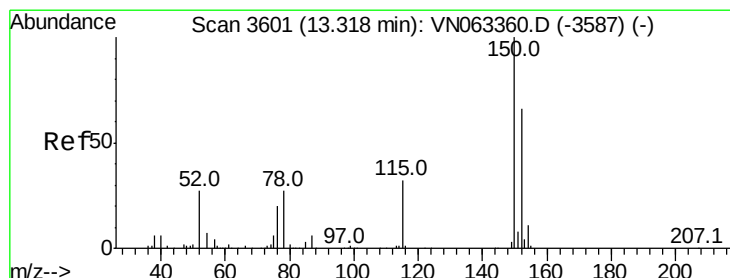
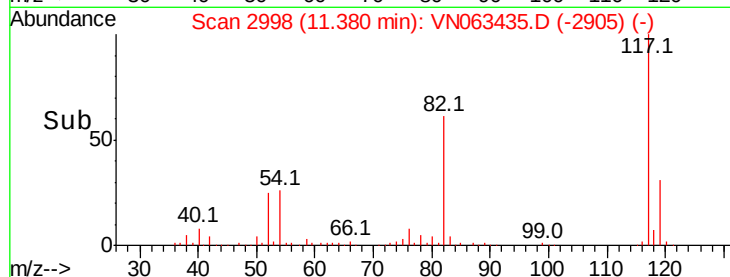
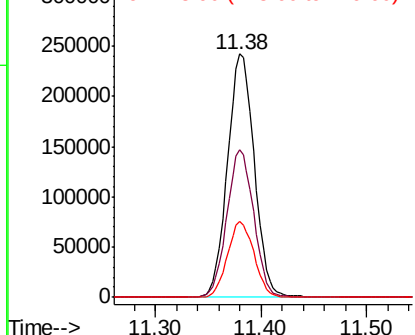
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063435.D  
Acq: 17 Sep 2020 22:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0917MBL02

Tot Ion:117 Resp: 425996  
Ion Ratio Lower Upper  
117 100  
82 60.9 49.2 73.8  
119 31.0 26.2 39.4

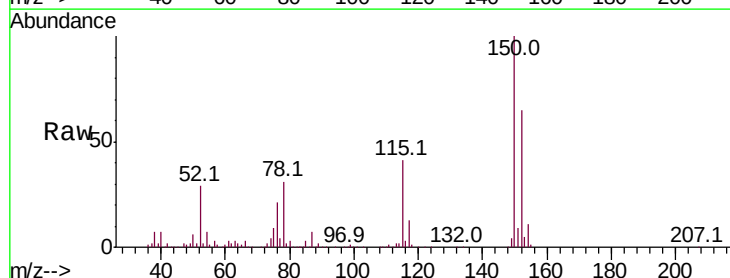


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

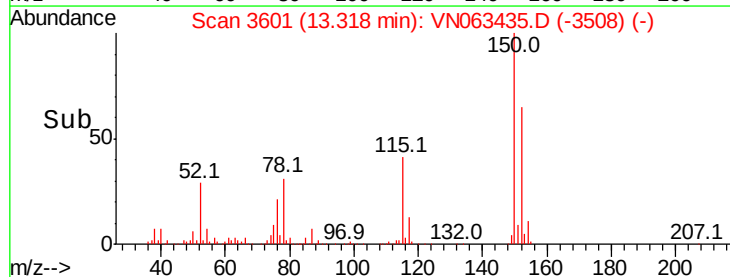
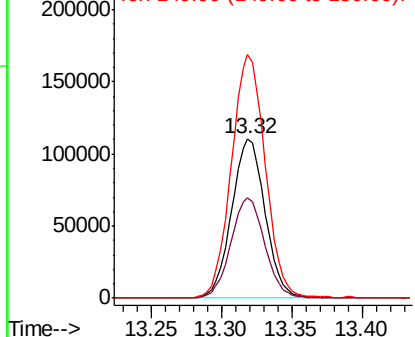


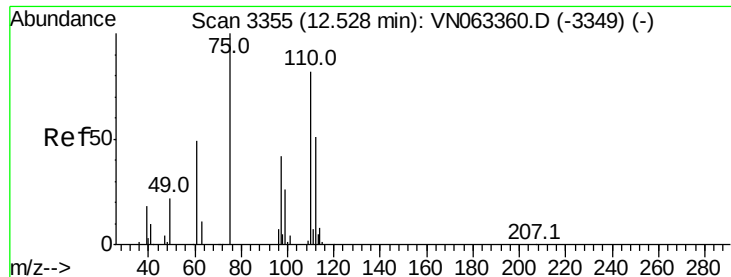
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063435.D  
Acq: 17 Sep 2020 22:23

Tgt Ion:152 Resp: 184151  
Ion Ratio Lower Upper  
152 100  
115 63.5 32.2 96.6  
150 154.5 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: 26.601 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063435.D

Acq: 17 Sep 2020 22:23

Instrument :

MSVOA\_N

ClientSampleId :

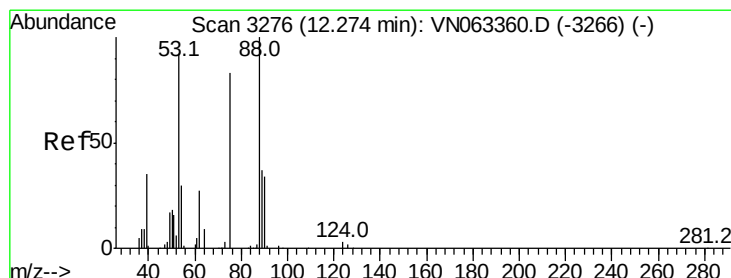
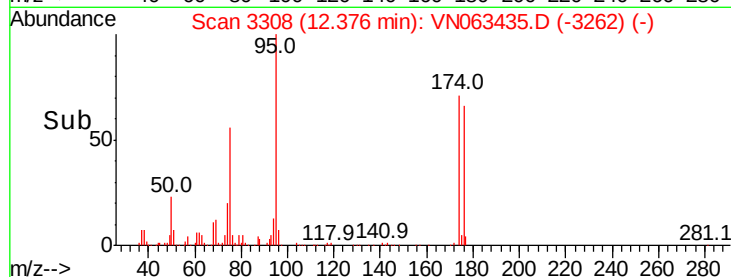
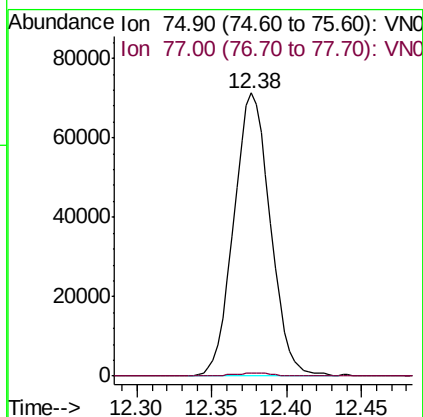
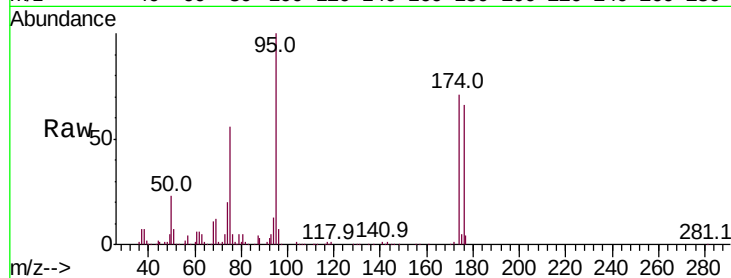
VN0917MBL02

Tot Ion: 75 Resp: 121246

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.929 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063435.D

Acq: 17 Sep 2020 22:23

Tgt Ion: 75 Resp: 121246

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

