

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD120519\  
 Data File : VD064442.D  
 Acq On : 05 Dec 2019 18:00  
 Operator : VA/SY  
 Sample : K6177-01  
 Misc : 7.94G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-1

Quant Time: Dec 19 03:30:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

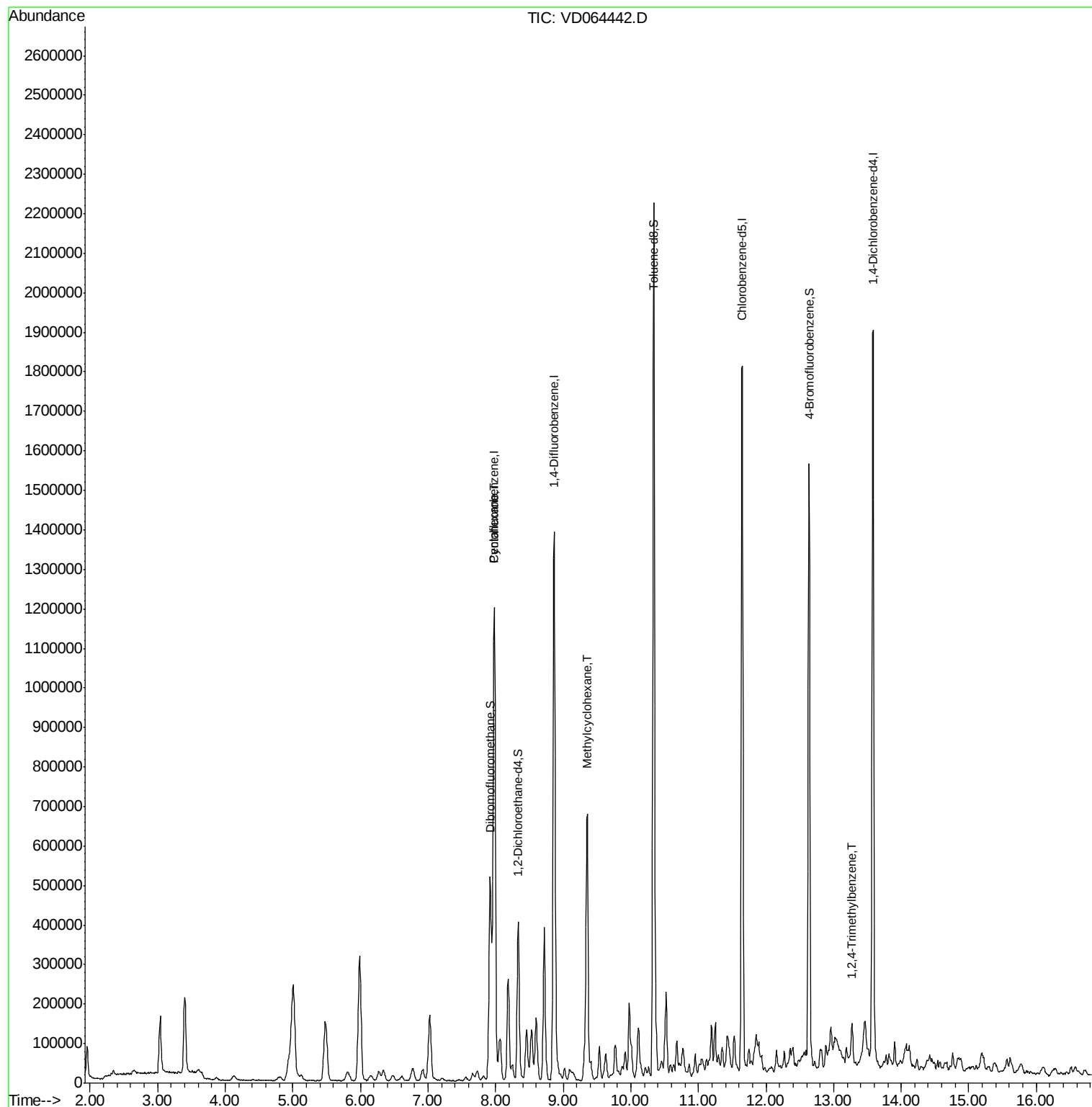
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.98   | 168  | 807370   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87   | 114  | 1168878  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64  | 117  | 1056332  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58  | 152  | 518553   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65   | 323026   | 44.20 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 88.40%  |          |
| 35) Dibromofluoromethane    | 7.92   | 113  | 345509   | 46.92 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 93.84%  |          |
| 50) Toluene-d8              | 10.34  | 98   | 1388774  | 50.06 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 100.12% |          |
| 62) 4-Bromofluorobenzene    | 12.64  | 95   | 452999   | 50.81 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 101.62% |          |
| Target Compounds            |        |      |          |       |         |          |
| 31) Cyclohexane             | 7.97   | 56   | 136153   | 7.68  | ug/l    | # 87     |
| 39) Methylcyclohexane       | 9.36   | 83   | 287319   | 20.95 | ug/l    | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.27  | 105  | 47635    | 1.55  | ug/l    | 100      |

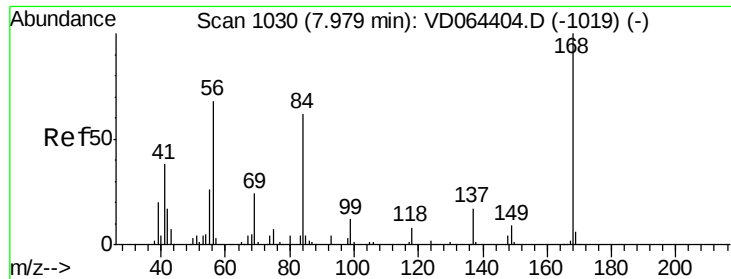
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064442.D

Acq: 05 Dec 2019 18:00

Instrument :

MSVOA\_D

ClientSampled :

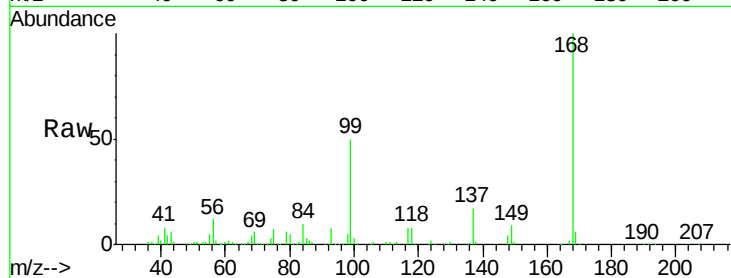
EP-1

Tot Ion:168 Resp: 807370

Ion Ratio Lower Upper

168 100

99 50.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

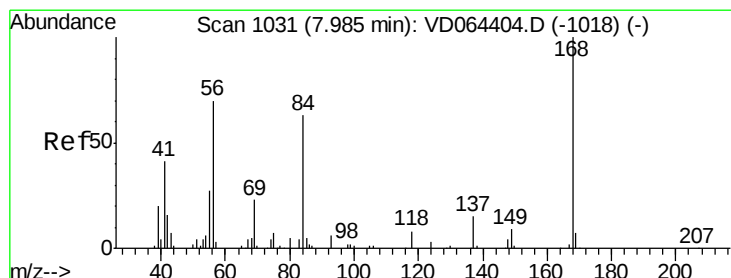
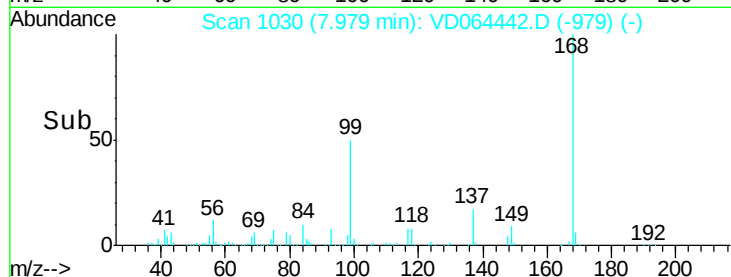
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 7.68 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064442.D

Acq: 05 Dec 2019 18:00

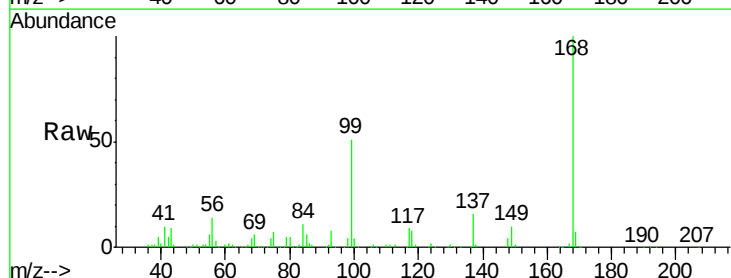
Tgt Ion: 56 Resp: 136153

Ion Ratio Lower Upper

56 100

69 42.0 26.2 39.4#

84 76.8 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

7.97

60000

50000

40000

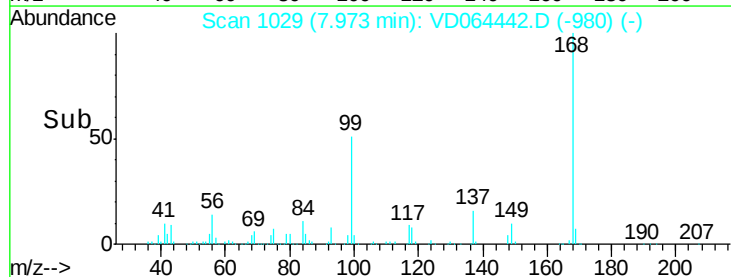
30000

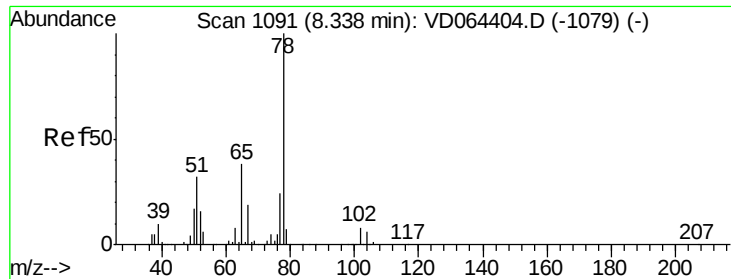
20000

10000

0

Time-->

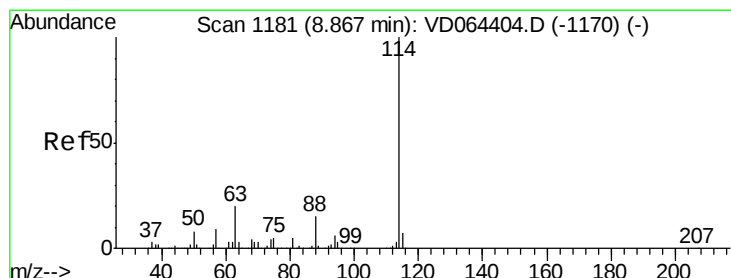
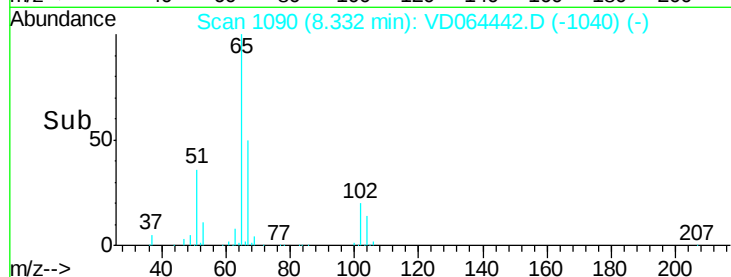
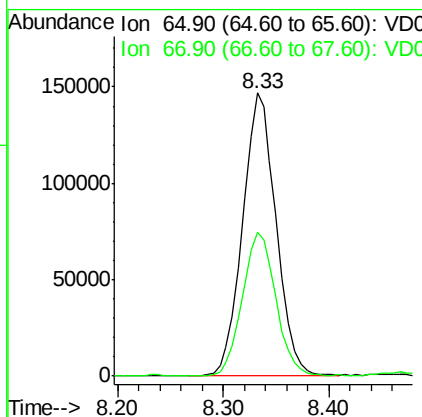
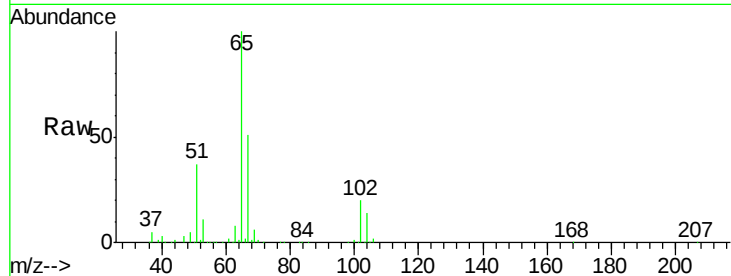




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.20 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD064442.D  
 Acq: 05 Dec 2019 18:00

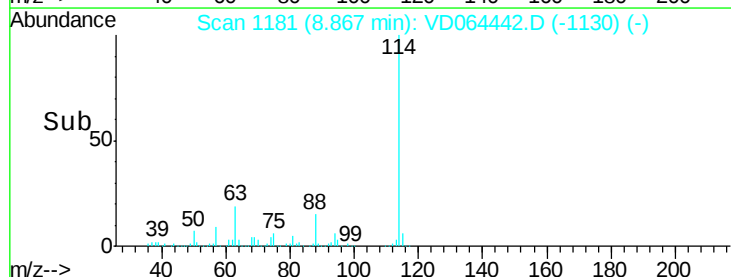
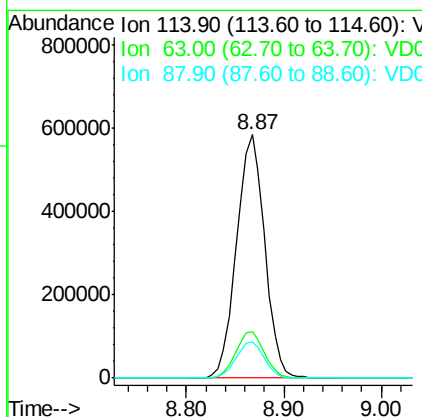
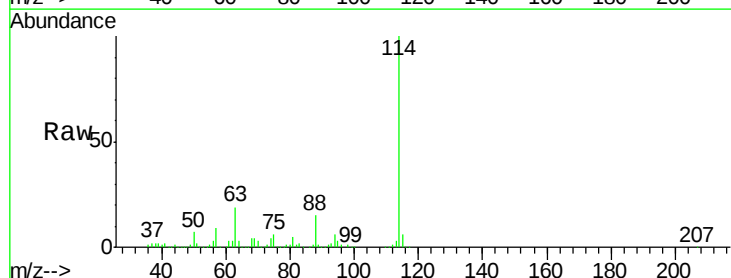
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-1

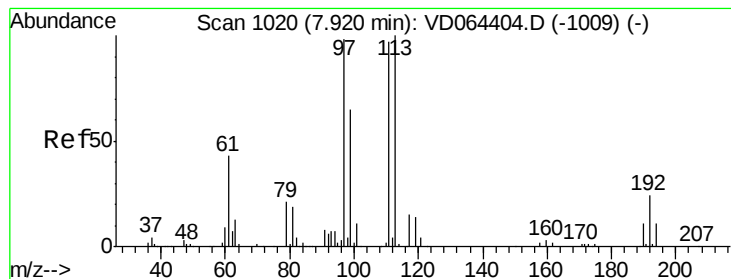
Tot Ion: 65 Resp: 323026  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064442.D  
 Acq: 05 Dec 2019 18:00

Tgt Ion: 114 Resp: 1168878  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 40.0  
 88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 46.92 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064442.D

Acq: 05 Dec 2019 18:00

Instrument :

MSVOA\_D

ClientSampleId :

EP-1

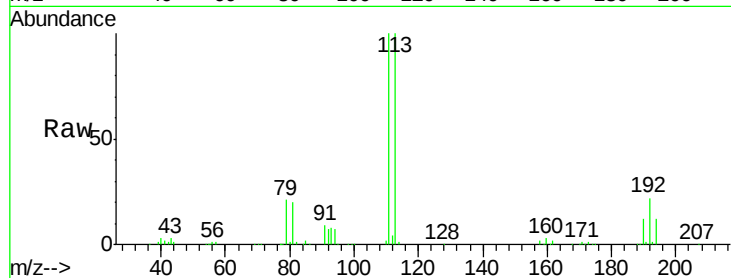
Tot Ion:113 Resp: 345509

Ion Ratio Lower Upper

113 100

111 102.5 79.4 119.2

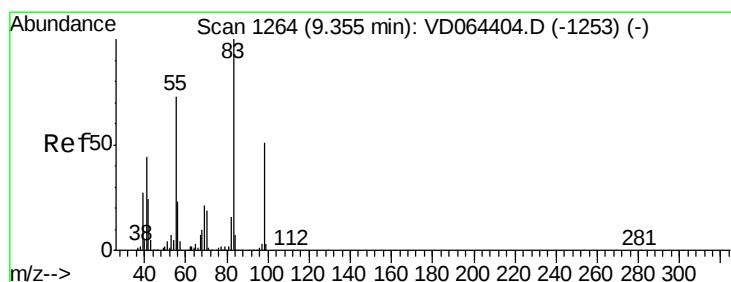
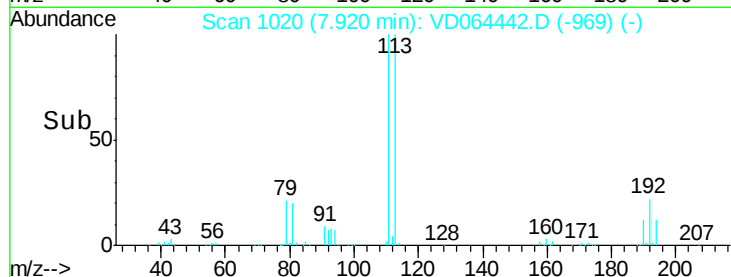
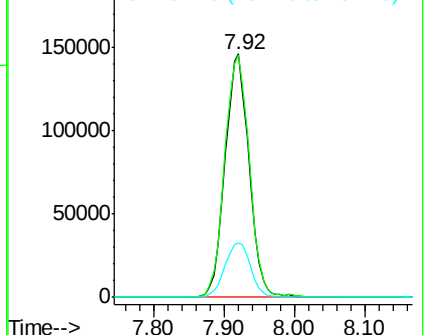
192 23.7 18.6 28.0



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



#39

Methylcyclohexane

Concen: 20.95 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064442.D

Acq: 05 Dec 2019 18:00

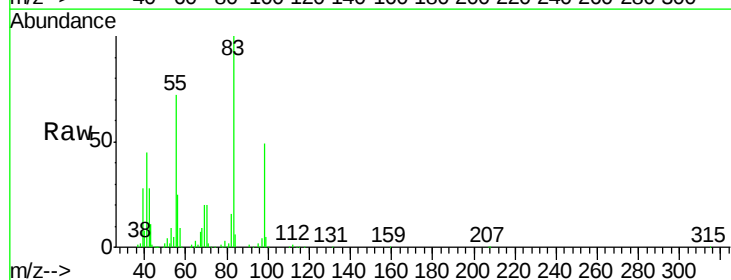
Tgt Ion: 83 Resp: 287319

Ion Ratio Lower Upper

83 100

55 72.2 58.6 87.8

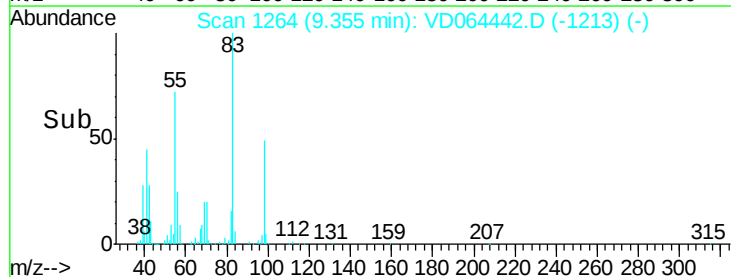
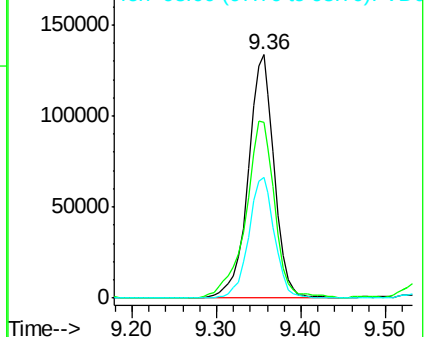
98 49.4 40.9 61.3

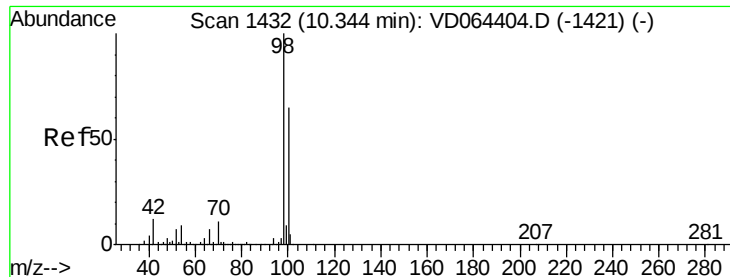


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC

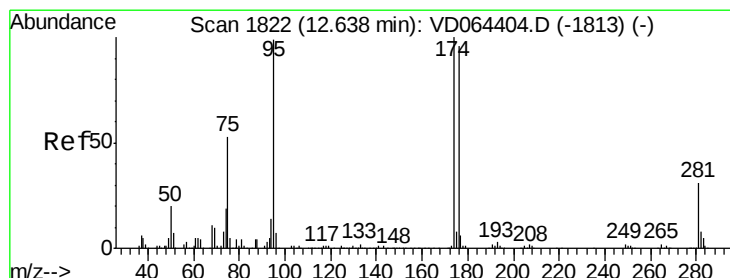
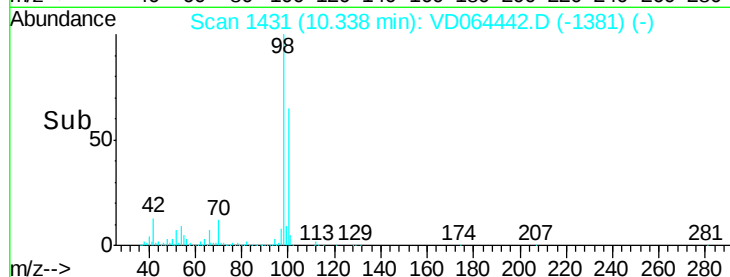
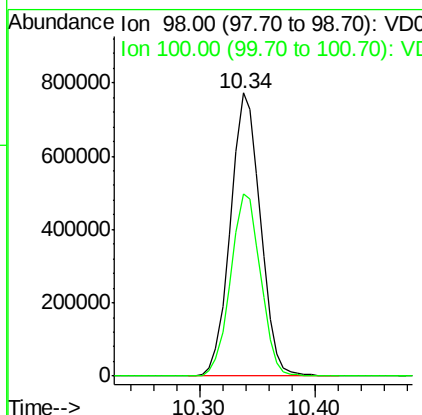
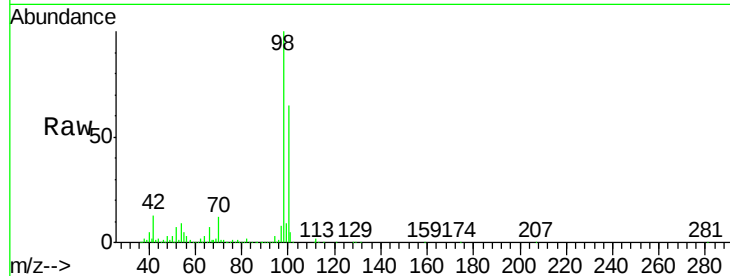




#50  
Toluene-d8  
Concen: 50.06 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: VD064442.D  
Acq: 05 Dec 2019 18:00

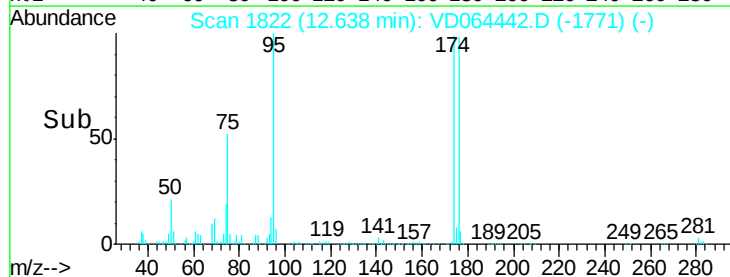
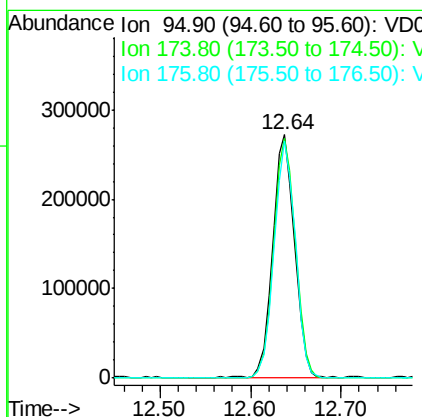
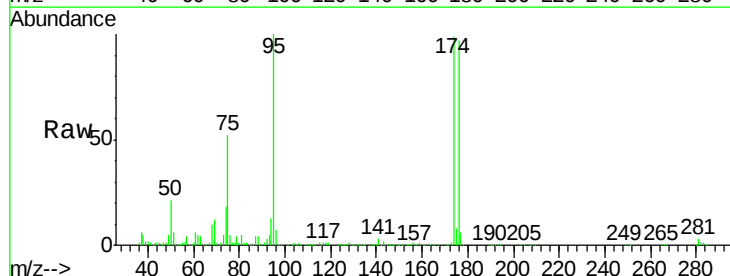
Instrument :  
MSVOA\_D  
ClientSampled :  
EP-1

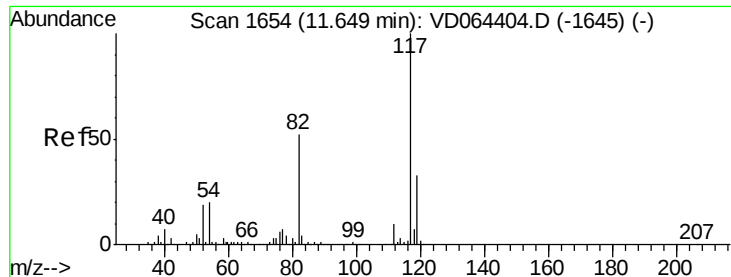
Tot Ion: 98 Resp: 1388774  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.6 79.0



#62  
4-Bromofluorobenzene  
Concen: 50.81 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064442.D  
Acq: 05 Dec 2019 18:00

Tgt Ion: 95 Resp: 452999  
Ion Ratio Lower Upper  
95 100  
174 99.5 0.0 197.2  
176 94.8 0.0 189.6

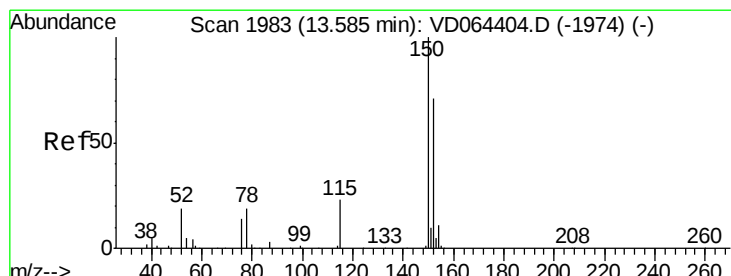
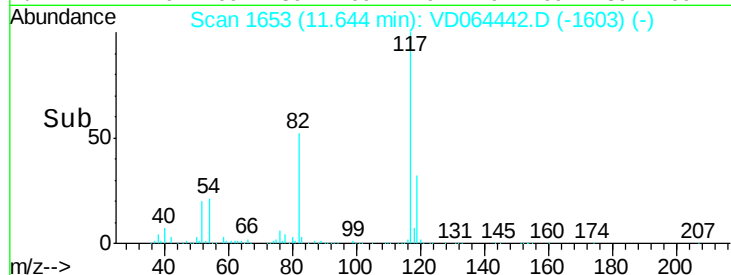
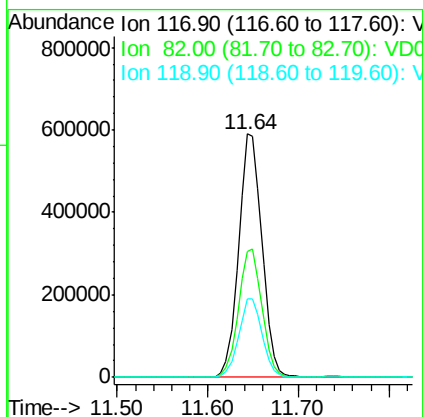
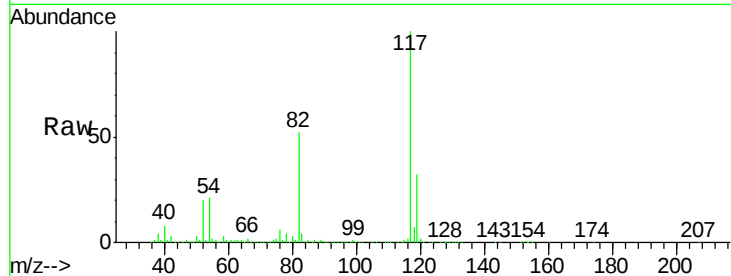




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.01 min  
Lab File: VD064442.D  
Acq: 05 Dec 2019 18:00

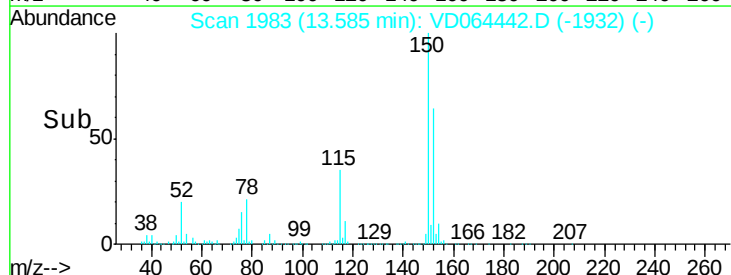
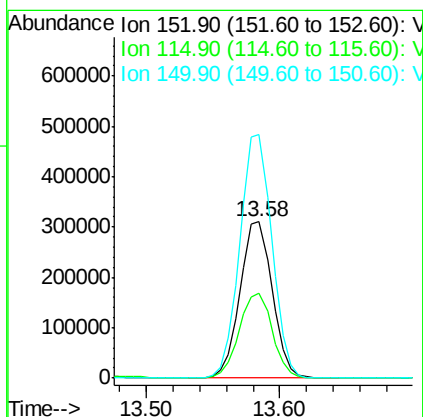
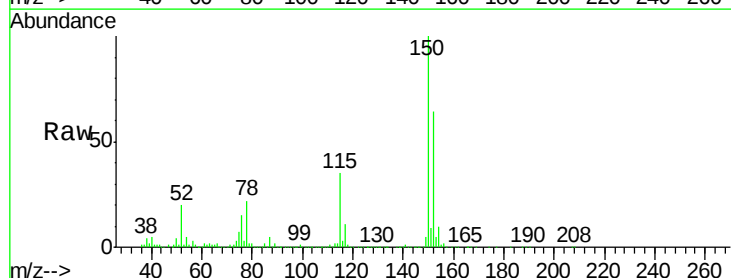
Instrument :  
MSVOA\_D  
ClientSampleId :  
EP-1

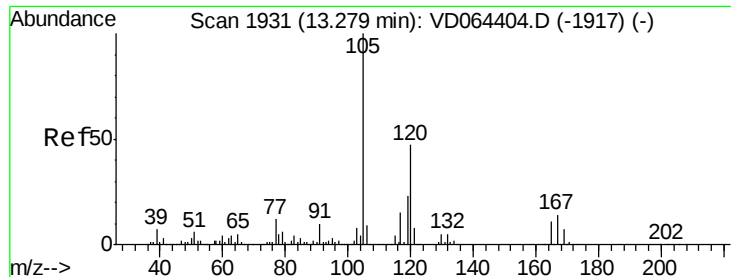
Tot Ion:117 Resp: 1056332  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.4 62.2  
119 32.3 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD064442.D  
Acq: 05 Dec 2019 18:00

Tgt Ion:152 Resp: 518553  
Ion Ratio Lower Upper  
152 100  
115 55.8 26.7 80.1  
150 155.5 0.0 347.2





#84

1,2,4-Trimethylbenzene

Concen: 1.55 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064442.D

Acq: 05 Dec 2019 18:00

Instrument :

MSVOA\_D

ClientSampleId :

EP-1

Tot Ion:105 Resp: 47635

Ion Ratio Lower Upper

105 100

120 47.1 23.6 70.8

