

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\  
 Data File : VD066486.D  
 Acq On : 31 Aug 2020 16:40  
 Operator : VA/SY  
 Sample : L3847-22  
 Misc : 3.79G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LINDEN-JOP-BH-11-B

Quant Time: Sep 01 02:03:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 13:36:12 2020  
 Response via : Initial Calibration

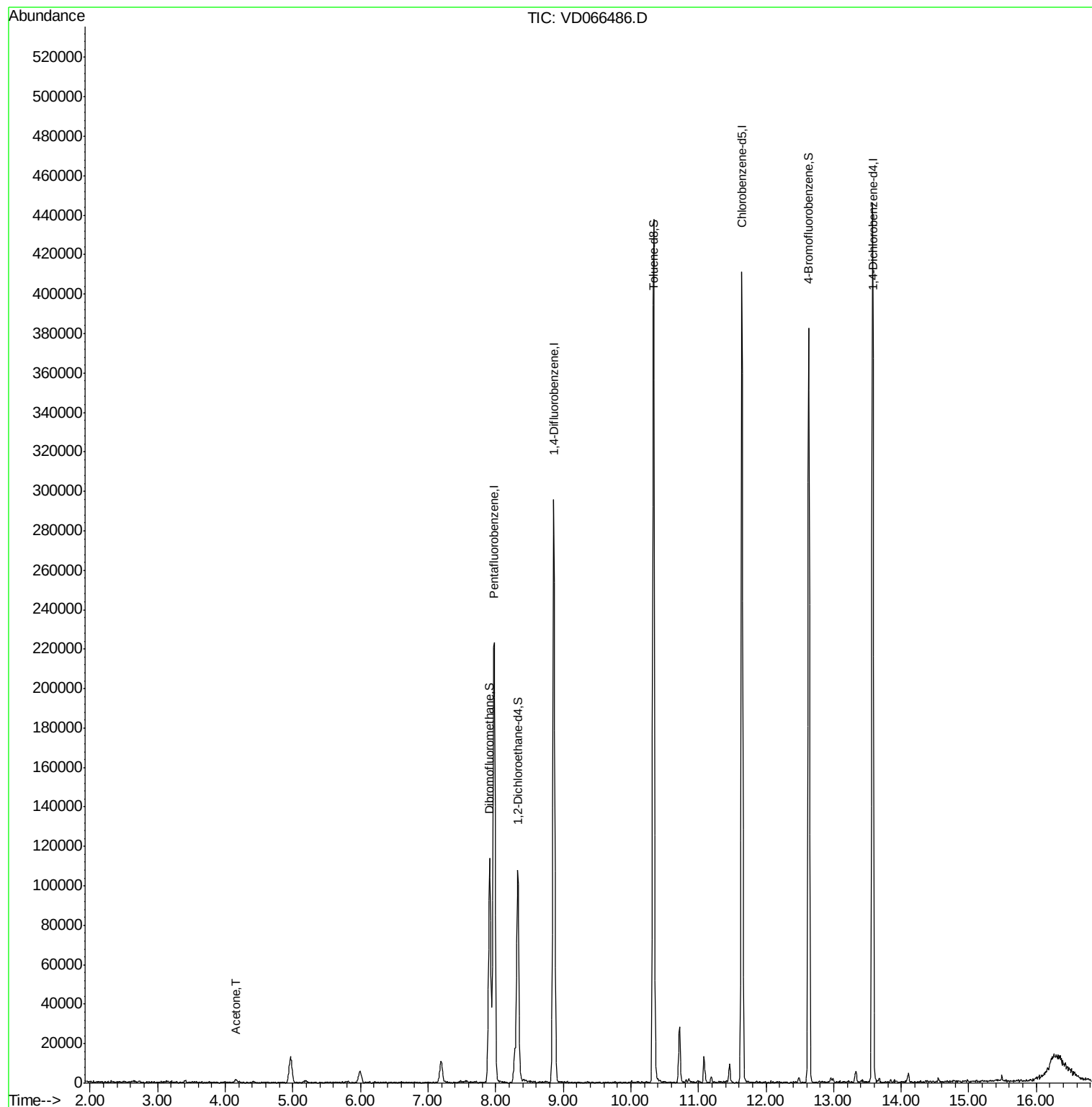
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.97  | 168  | 170162   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 246604   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 230289   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 121566   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 95325    | 57.14  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.28% |           |
| 35) Dibromofluoromethane    | 7.91  | 113  | 76196    | 49.41  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.82%  |           |
| 50) Toluene-d8              | 10.34 | 98   | 290005   | 51.40  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.80% |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 99446    | 49.67  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.34%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.16  | 43   | 3373     | 11.215 | ug/l #  | Qvalue 72 |

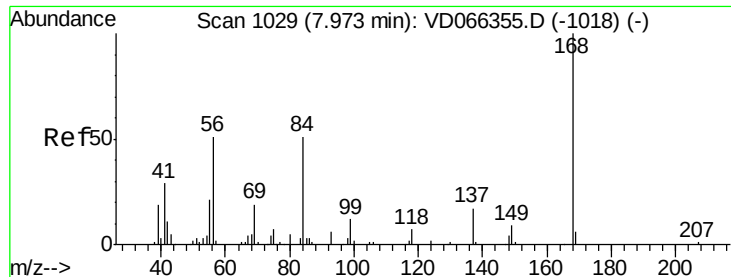
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LINDEN-JOP-BH-11-B

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Quant Title : SW846 8260  
QLast Update : Fri Aug 21 13:36:12 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066486.D

Acq: 31 Aug 2020 16:40

Instrument :

MSVOA\_D

ClientSampleId :

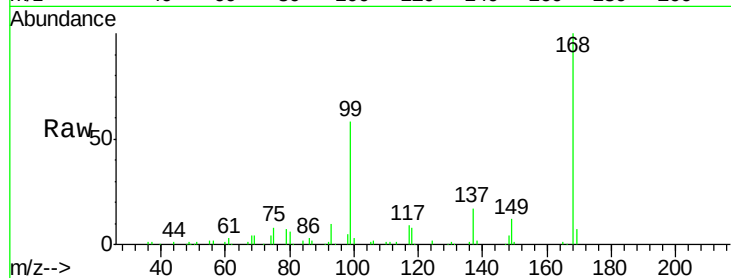
LINDEN-JOP-BH-11-B

Tot Ion:168 Resp: 170162

Ion Ratio Lower Upper

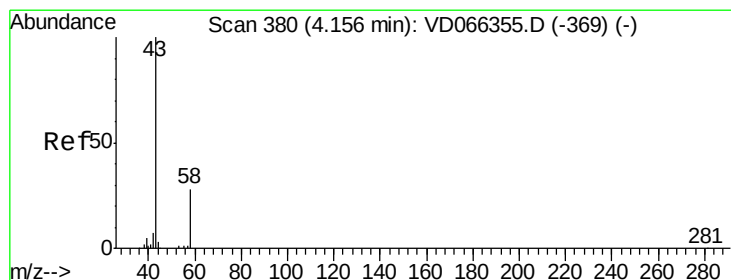
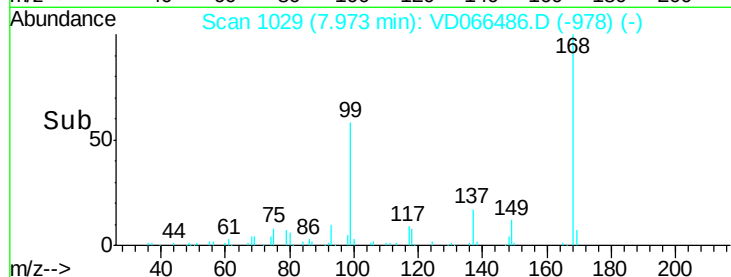
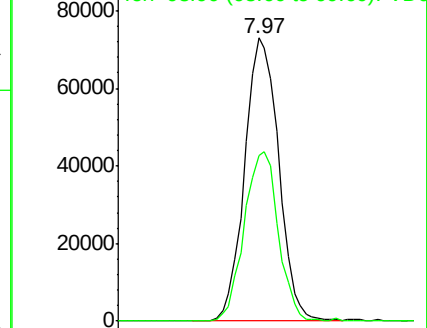
168 100

99 58.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 11.215 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066486.D

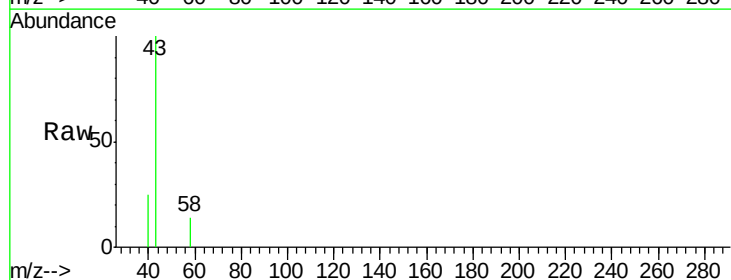
Acq: 31 Aug 2020 16:40

Tgt Ion: 43 Resp: 3373

Ion Ratio Lower Upper

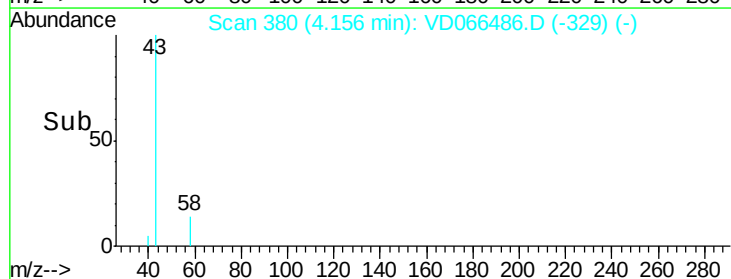
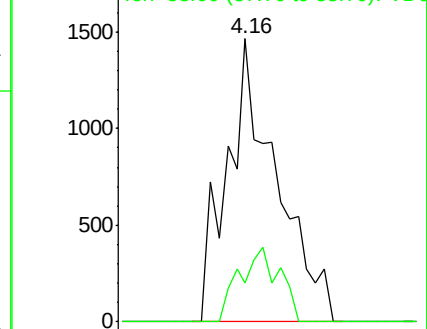
43 100

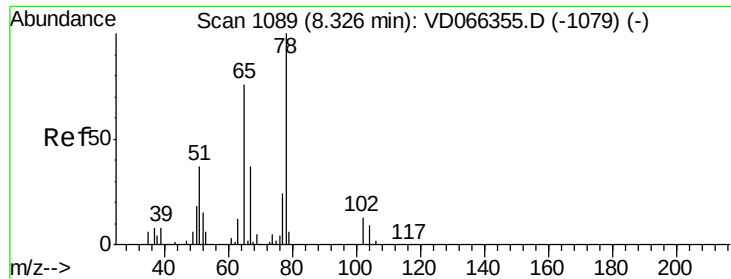
58 13.5 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

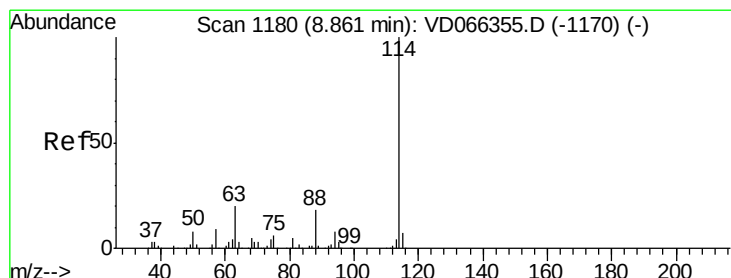
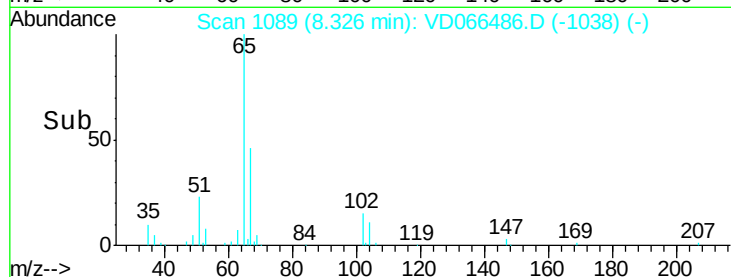
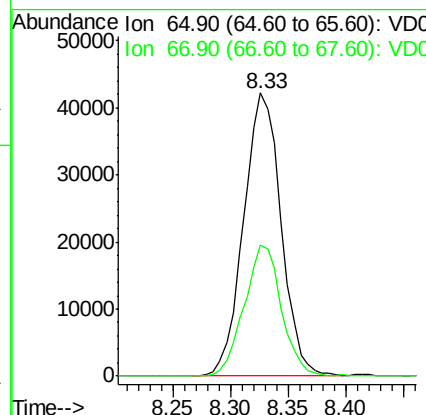
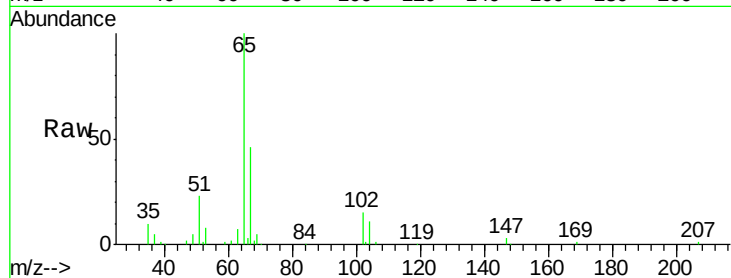




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.140 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: VD066486.D  
 Acq: 31 Aug 2020 16:40

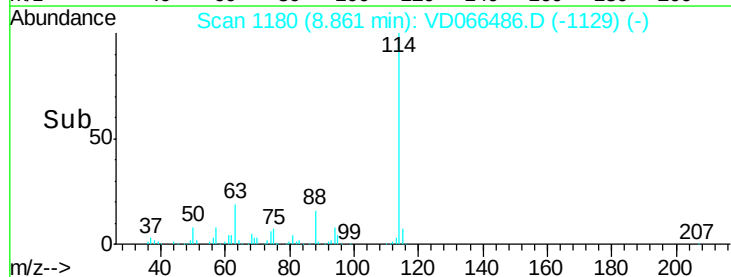
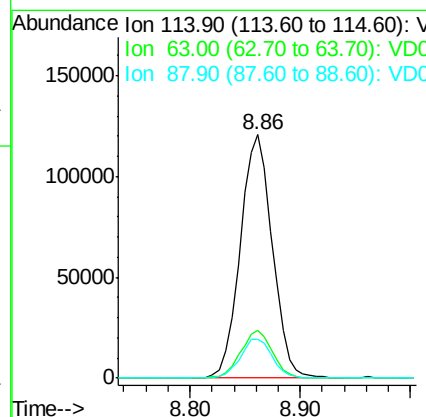
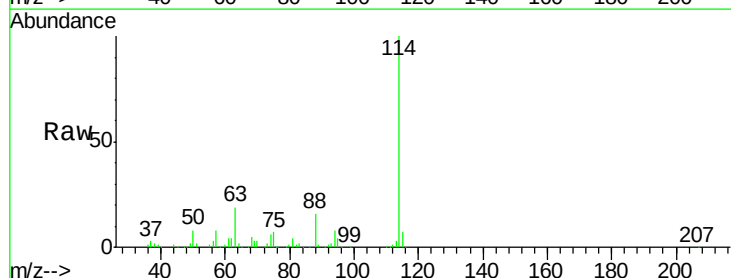
Instrument :  
 MSVOA\_D  
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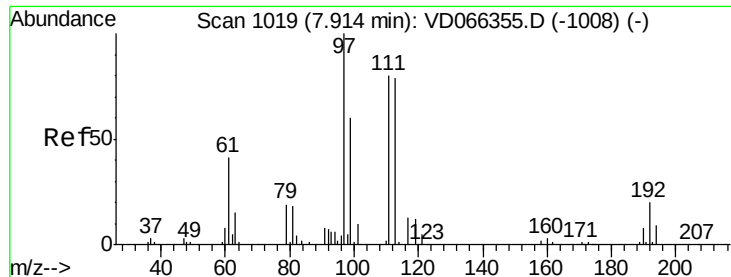
Tot Ion: 65 Resp: 95325  
 Ion Ratio Lower Upper  
 65 100  
 67 46.0 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066486.D  
 Acq: 31 Aug 2020 16:40

Tgt Ion: 114 Resp: 246604  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 40.8  
 88 15.9 0.0 35.4

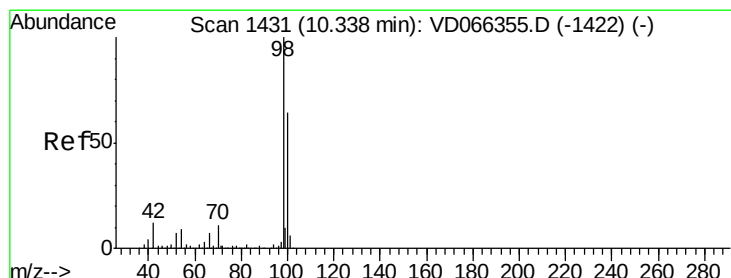
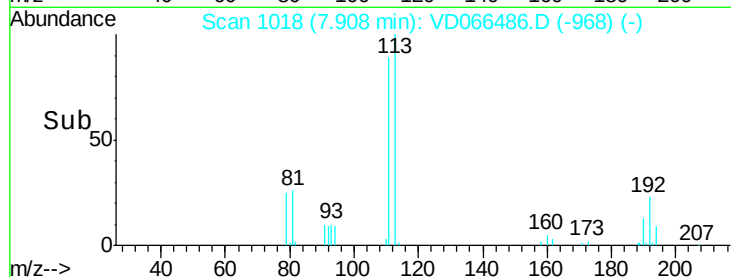
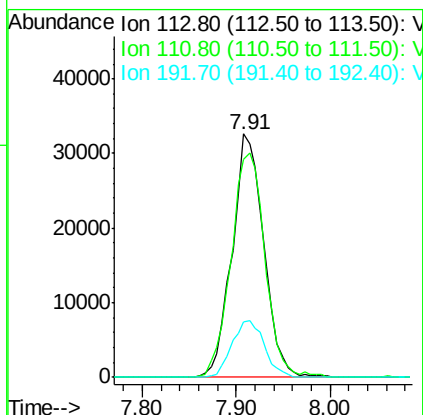
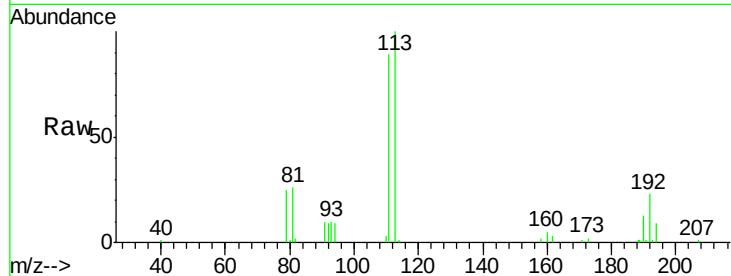




#35  
 Dibromofluoromethane  
 Concen: 49.412 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: VD066486.D  
 Acq: 31 Aug 2020 16:40

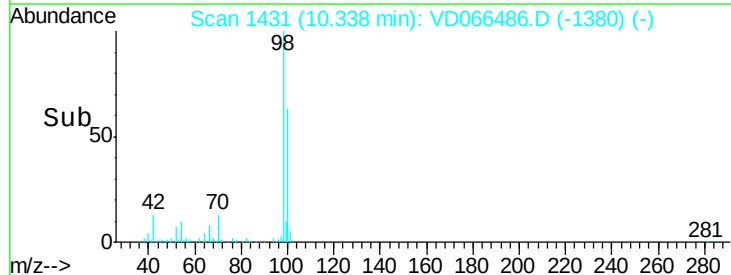
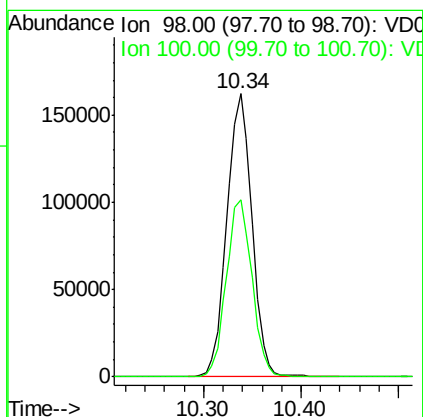
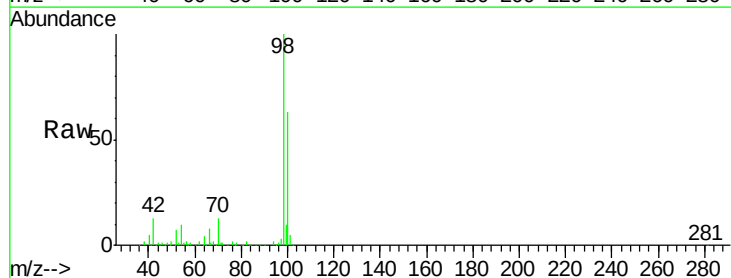
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LINDEN-JOP-BH-11-B

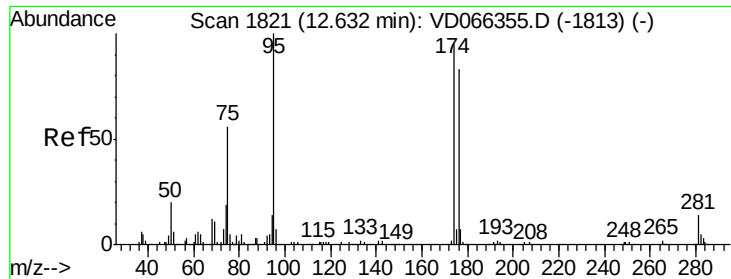
Tot Ion:113 Resp: 76196  
 Ion Ratio Lower Upper  
 113 100  
 111 99.0 80.3 120.5  
 192 23.8 19.0 28.6



#50  
 Toluene-d8  
 Concen: 51.400 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD066486.D  
 Acq: 31 Aug 2020 16:40

Tgt Ion: 98 Resp: 290005  
 Ion Ratio Lower Upper  
 98 100  
 100 63.9 53.0 79.4

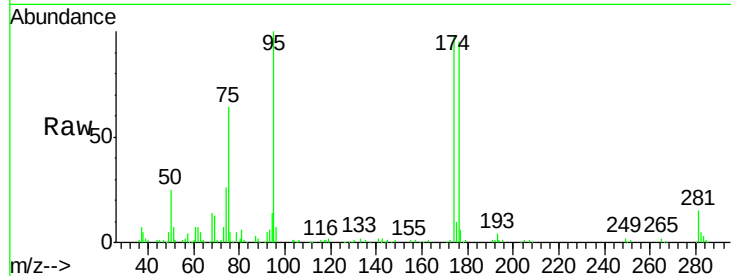




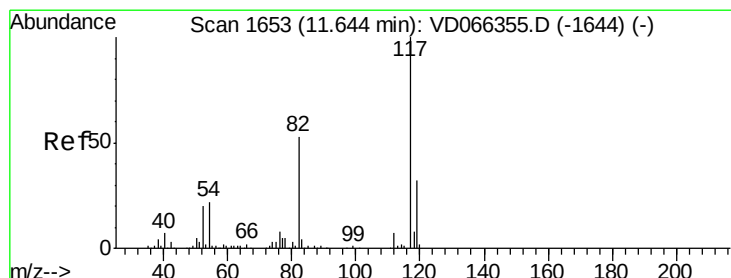
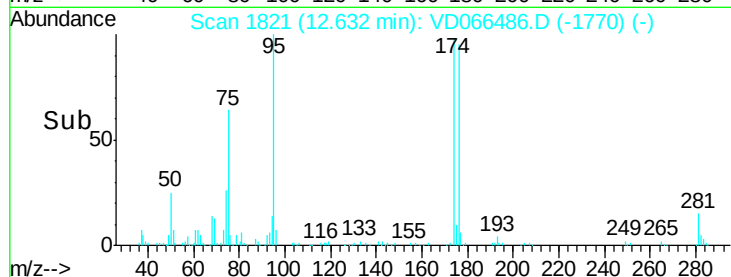
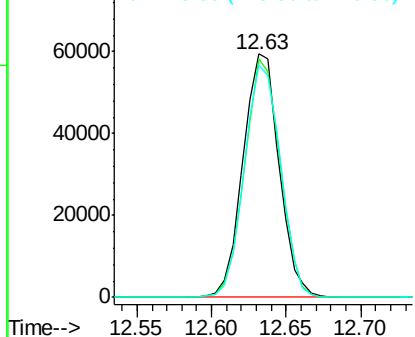
#62  
4-Bromofluorobenzene  
Concen: 49.672 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. 0.00 min  
Lab File: VD066486.D  
Acq: 31 Aug 2020 16:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
LINDEN-JOP-BH-11-B

Tot Ion: 95 Resp: 99446  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 183.4  
176 95.8 0.0 173.8

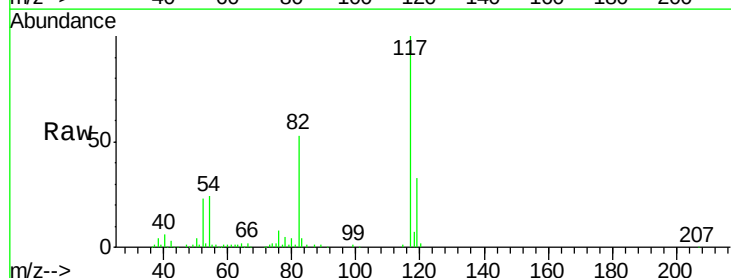


Abundance Ion 94.90 (94.60 to 95.60): V  
Ion 173.80 (173.50 to 174.50): V  
Ion 175.80 (175.50 to 176.50): V

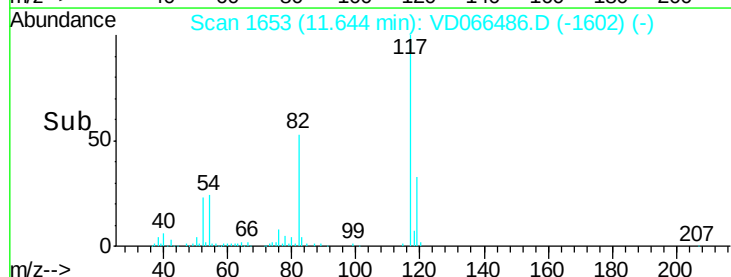
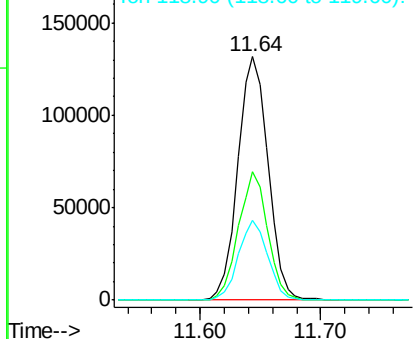


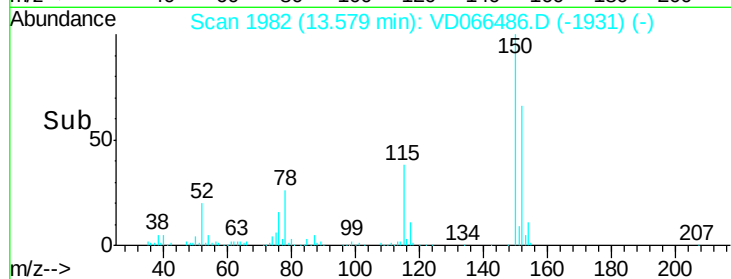
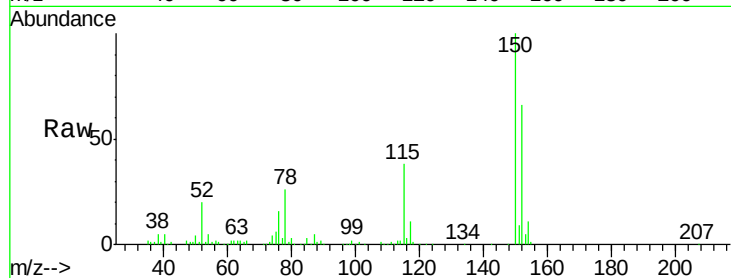
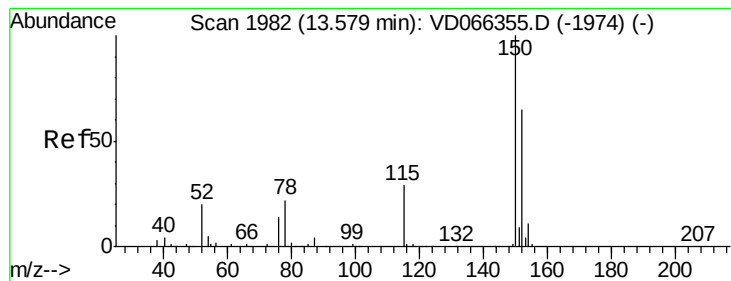
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD066486.D  
Acq: 31 Aug 2020 16:40

Tgt Ion: 117 Resp: 230289  
Ion Ratio Lower Upper  
117 100  
82 52.6 42.8 64.2  
119 33.0 25.8 38.8



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: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066486.D

Acq: 31 Aug 2020 16:40

Instrument :

MSVOA\_D

ClientSampleId :

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Tot Ion:152 Resp: 121566

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

150 155.7 0.0 343.2

