

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\  
 Data File : VY002145.D  
 Acq On : 31 Mar 2020 19:43  
 Operator : SY/MD  
 Sample : L2089-01  
 Misc : 6.99G/5ML/MSVOA Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1D-(0-2)

Quant Time: Apr 01 06:34:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

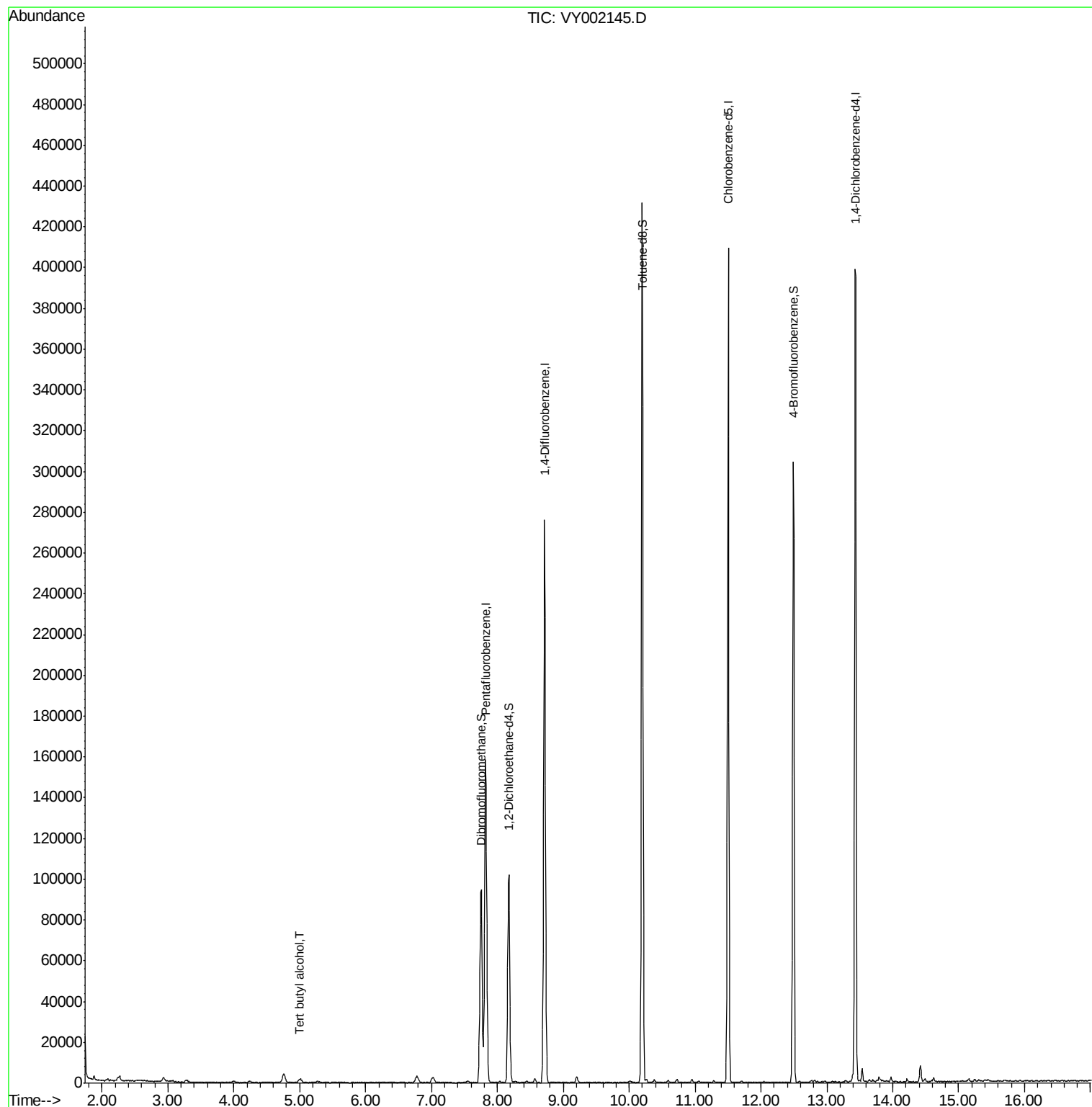
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 116499   | 50.00  | ug/l    | 0.01      |
| 34) 1,4-Difluorobenzene     | 8.72  | 114  | 234262   | 50.00  | ug/l    | 0.01      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 217190   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 98683    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.18  | 65   | 75186    | 58.38  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.76% |           |
| 35) Dibromofluoromethane    | 7.75  | 113  | 68000    | 51.81  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.62% |           |
| 50) Toluene-d8              | 10.20 | 98   | 284371   | 52.15  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.30% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 98849    | 51.83  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.66% |           |
| Target Compounds            |       |      |          |        |         |           |
| 11) Tert butyl alcohol      | 4.99  | 59   | 3516     | 23.167 | ug/l    | Qvalue 97 |

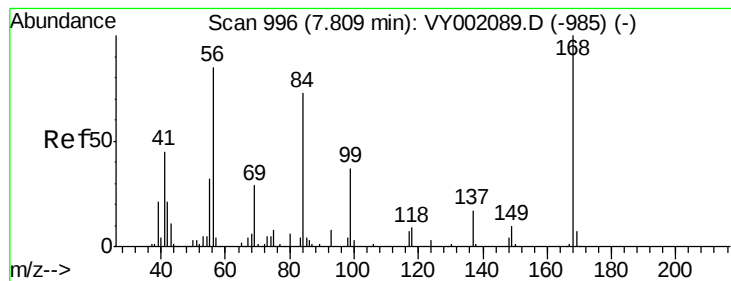
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Instrument :

MSVOA\_Y

ClientSampleId :

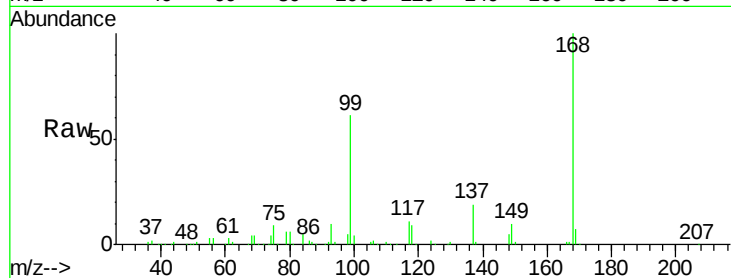
SB-1D-(0-2)

Tot Ion:168 Resp: 116499

Ion Ratio Lower Upper

168 100

99 61.1 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002145.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002145.D (-947) (-)

7.82

60000

50000

40000

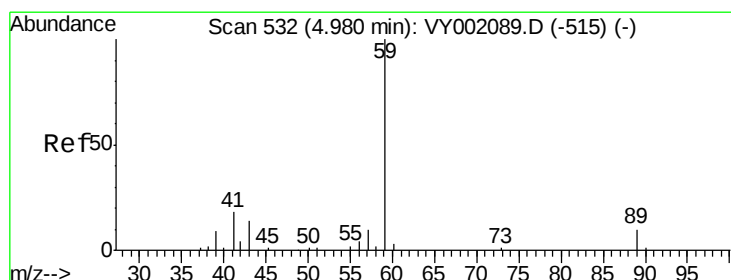
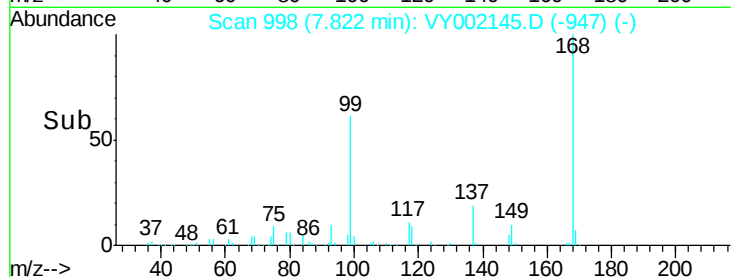
30000

20000

10000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#11

Tert butyl alcohol

Concen: 23.167 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY002145.D

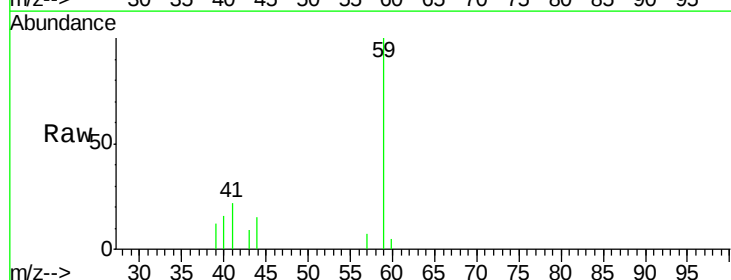
Acq: 31 Mar 2020 19:43

Tgt Ion: 59 Resp: 3516

Ion Ratio Lower Upper

59 100

57 8.7 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VY002145.D (-483) (-)

Ion 57.00 (56.70 to 57.70): VY002145.D (-483) (-)

4.99

1200

1000

800

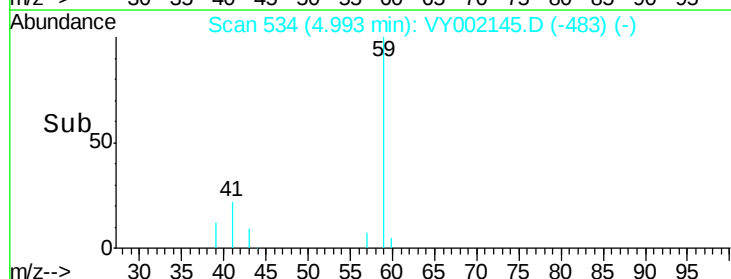
600

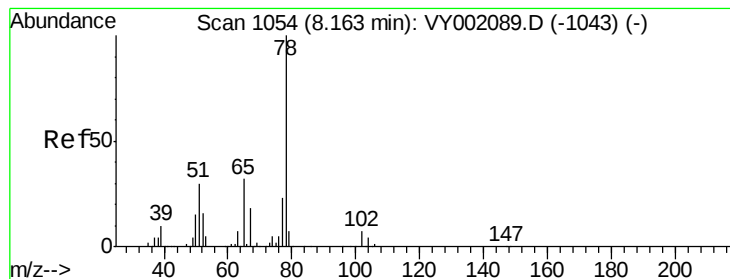
400

200

0

Time--> 4.90 4.95 5.00 5.05 5.10





#33

1,2-Dichloroethane-d4

Concen: 58.380 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Instrument :

MSVOA\_Y

ClientSampleId :

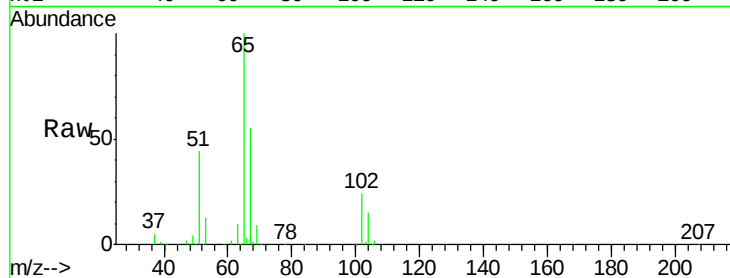
SB-1D-(0-2)

Tot Ion: 65 Resp: 75186

Ion Ratio Lower Upper

65 100

67 54.4 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.18

40000

30000

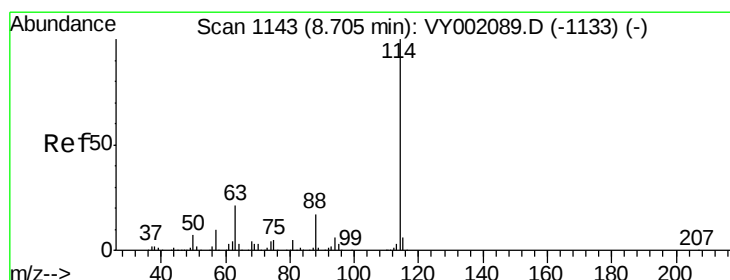
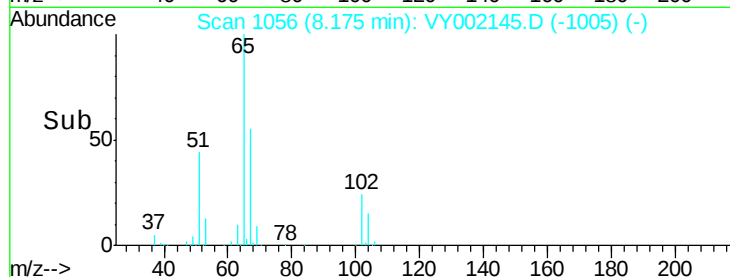
20000

10000

0

8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

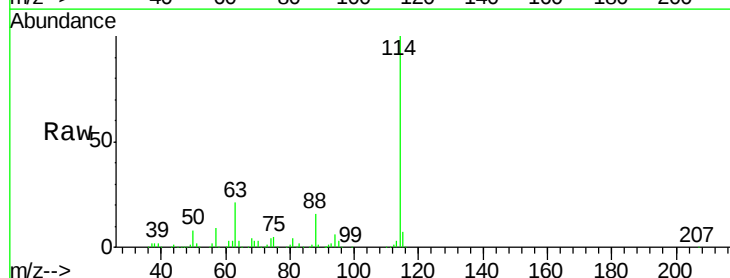
Tgt Ion: 114 Resp: 234262

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

88 15.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

150000

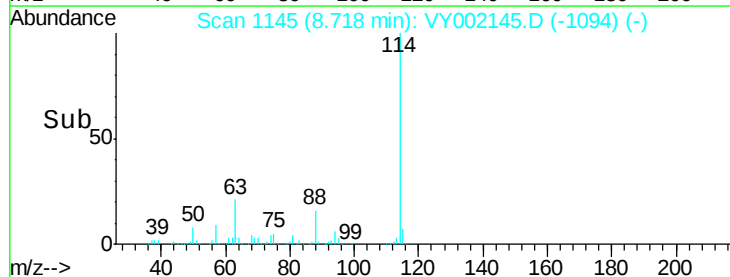
100000

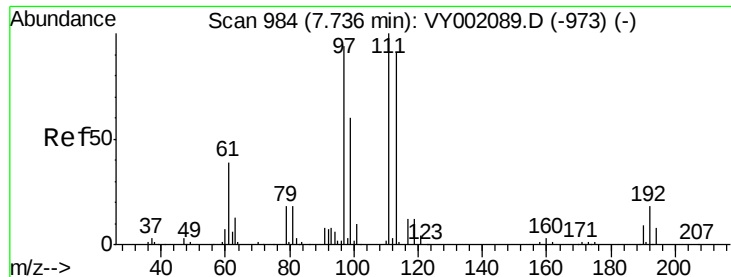
50000

0

8.60 8.70 8.80

Time-->

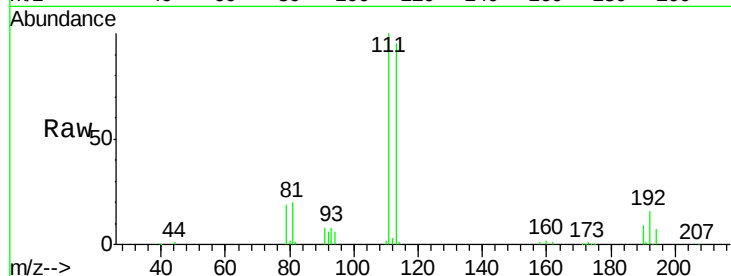




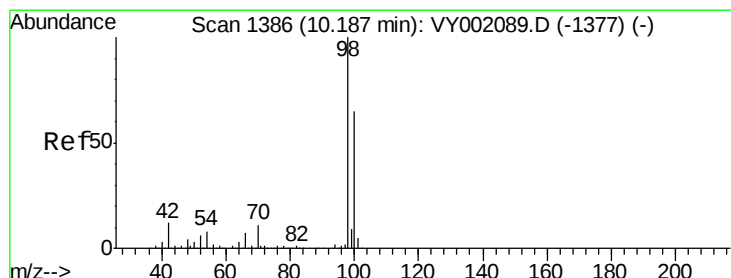
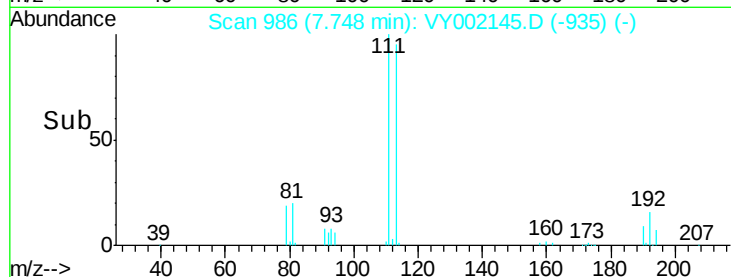
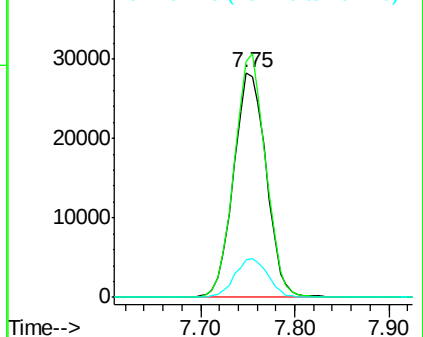
#35  
Dibromofluoromethane  
Concen: 51.805 ug/l  
RT: 7.75 min Scan# 986  
Delta R.T. 0.01 min  
Lab File: VY002145.D  
Acq: 31 Mar 2020 19:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1D-(0-2)

Tot Ion:113 Resp: 68000  
Ion Ratio Lower Upper  
113 100  
111 104.4 84.4 126.6  
192 17.5 14.6 21.8

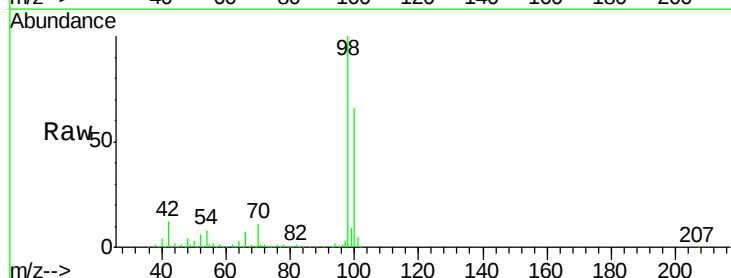


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

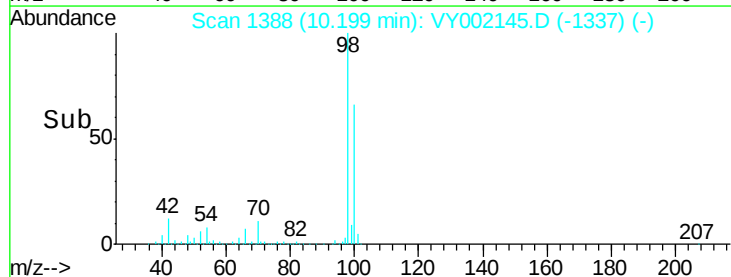
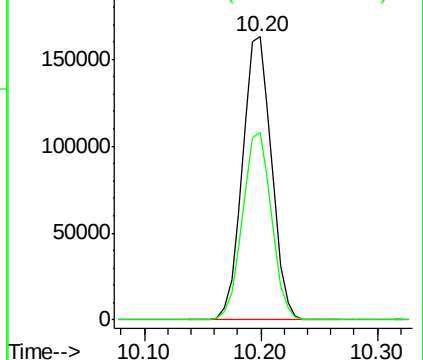


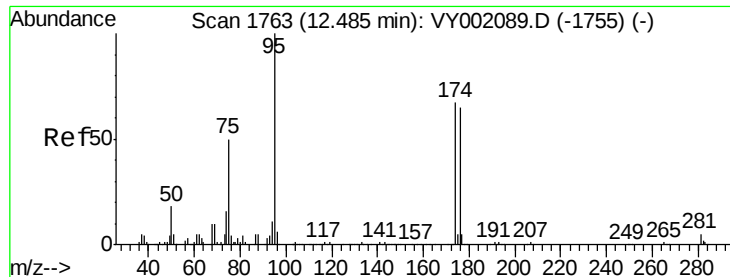
#50  
Toluene-d8  
Concen: 52.151 ug/l  
RT: 10.20 min Scan# 1388  
Delta R.T. 0.01 min  
Lab File: VY002145.D  
Acq: 31 Mar 2020 19:43

Tgt Ion: 98 Resp: 284371  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0  
Ion 100.00 (99.70 to 100.70): VY

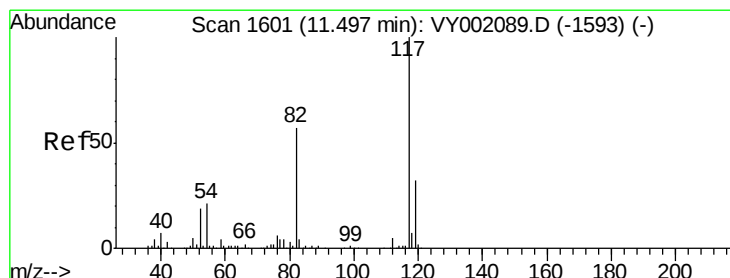
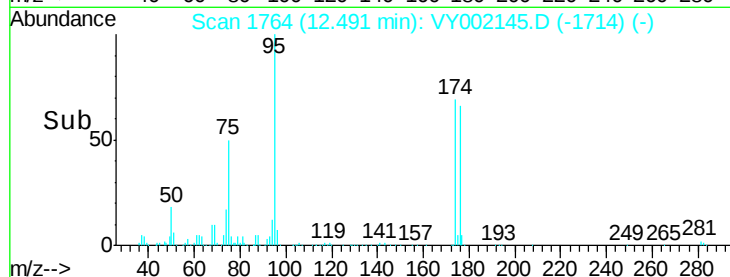
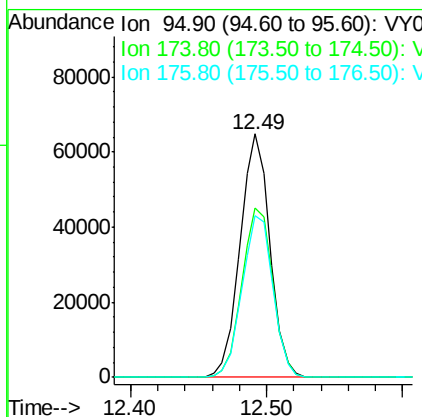
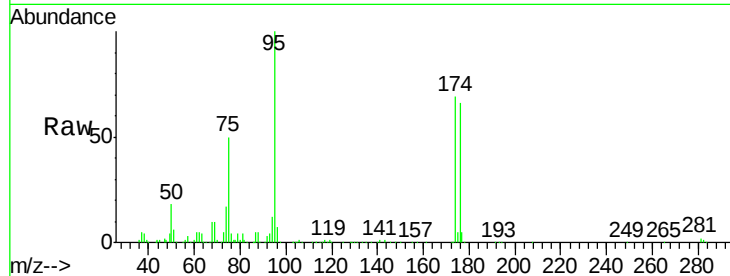




#62  
4-Bromofluorobenzene  
Concen: 51.833 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. 0.01 min  
Lab File: VY002145.D  
Acq: 31 Mar 2020 19:43

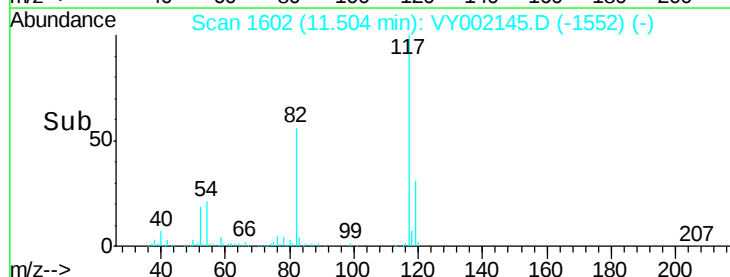
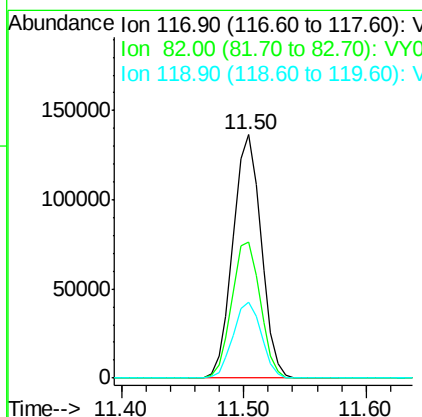
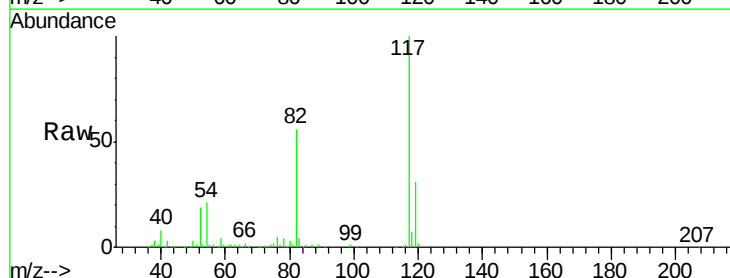
Instrument :  
MSVOA\_Y  
ClientSampled :  
SB-1D-(0-2)

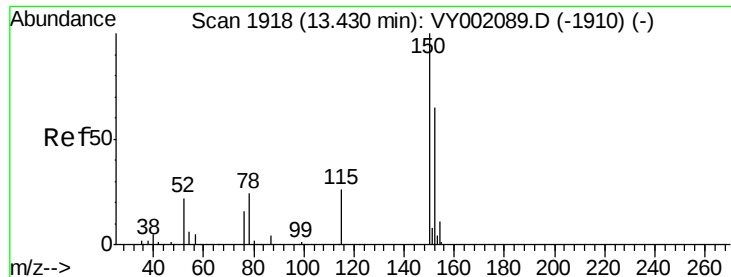
Tot Ion: 95 Resp: 98849  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 143.4  
176 69.0 0.0 137.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY002145.D  
Acq: 31 Mar 2020 19:43

Tgt Ion: 117 Resp: 217190  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.4 68.2  
119 31.4 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002145.D

Acq: 31 Mar 2020 19:43

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1D-(0-2)

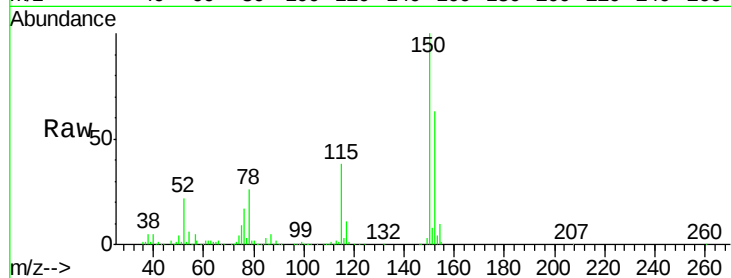
Tot Ion:152 Resp: 98683

Ion Ratio Lower Upper

152 100

115 60.5 31.2 93.6

150 158.3 0.0 354.8



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

