

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\  
 Data File : VX019516.D  
 Acq On : 21 Nov 2020 00:50  
 Operator : JC/MD  
 Sample : PB133122ZHE#01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133122ZHE#01

Quant Time: Nov 21 05:58:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 21 01:57:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 276173   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 454151   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 397869   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 165009   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |                |     |            |        |      |      |
|---------------------------|----------------|-----|------------|--------|------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03           | 65  | 171485     | 47.89  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 61 - 141 |     | Recovery = | 95.78% |      |      |
| 35) Dibromofluoromethane  | 5.46           | 113 | 138525     | 48.59  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 69 - 133 |     | Recovery = | 97.18% |      |      |
| 50) Toluene-d8            | 8.70           | 98  | 537115     | 48.49  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 65 - 126 |     | Recovery = | 96.98% |      |      |
| 62) 4-Bromofluorobenzene  | 11.12          | 95  | 176699     | 44.33  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 58 - 135 |     | Recovery = | 88.66% |      |      |

## Target Compounds

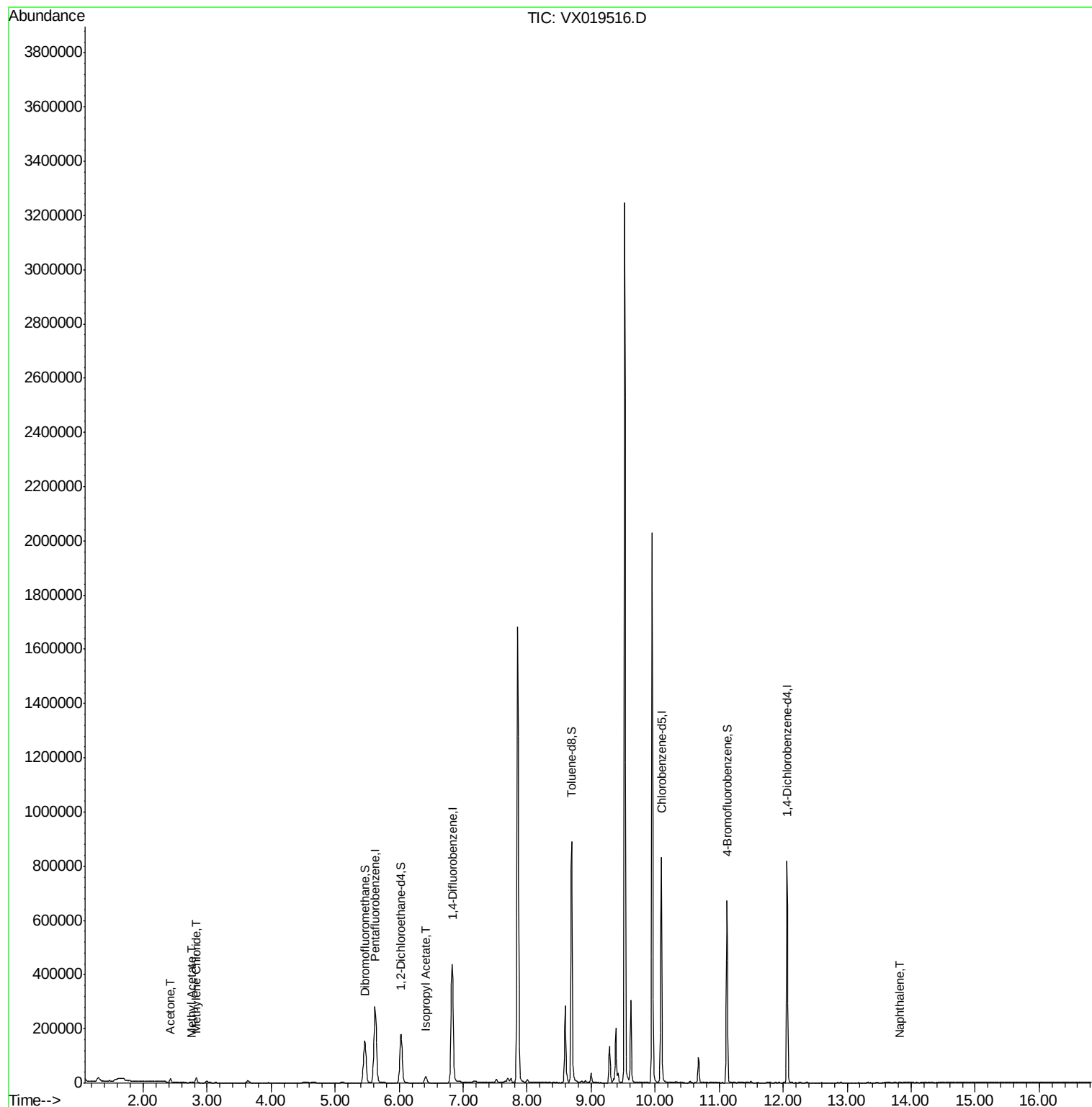
|                        |       |     |       |        | Qvalue    |
|------------------------|-------|-----|-------|--------|-----------|
| 16) Acetone            | 2.43  | 43  | 15030 | 10.854 | ug/l 99   |
| 18) Methyl Acetate     | 2.76  | 43  | 3261  | 1.583  | ug/l 90   |
| 20) Methylene Chloride | 2.83  | 84  | 8732  | 2.523  | ug/l 94   |
| 43) Isopropyl Acetate  | 6.42  | 43  | 32121 | 4.781  | ug/l 99   |
| 95) Naphthalene        | 13.82 | 128 | 985   | 2.255  | ug/l # 93 |

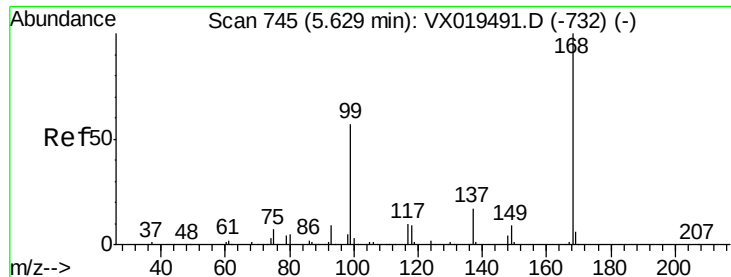
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB133122ZHE#01  
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ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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PB133122ZHE#01

Quant Time: Nov 21 05:58:37 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 21 01:57:45 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019516.D

Acq: 21 Nov 2020 00:50

Instrument :

MSVOA\_X

ClientSampleId :

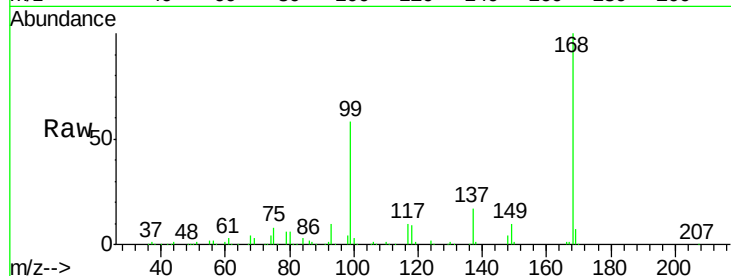
PB133122ZHE#01

Tot Ion:168 Resp: 276173

Ion Ratio Lower Upper

168 100

99 57.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

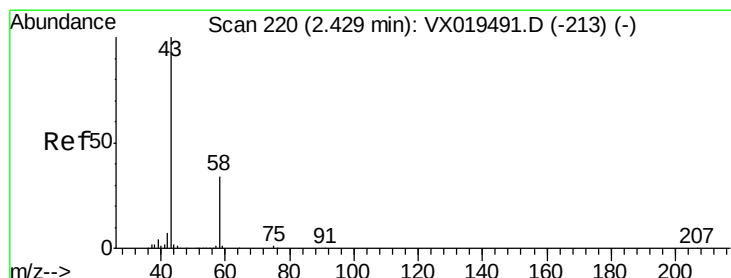
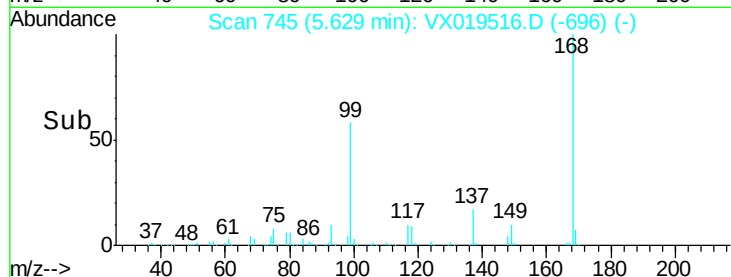
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 10.854 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019516.D

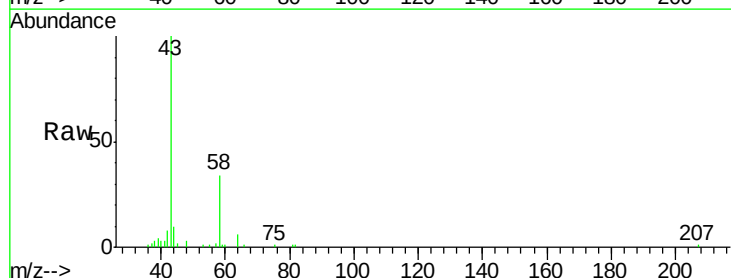
Acq: 21 Nov 2020 00:50

Tgt Ion: 43 Resp: 15030

Ion Ratio Lower Upper

43 100

58 34.7 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

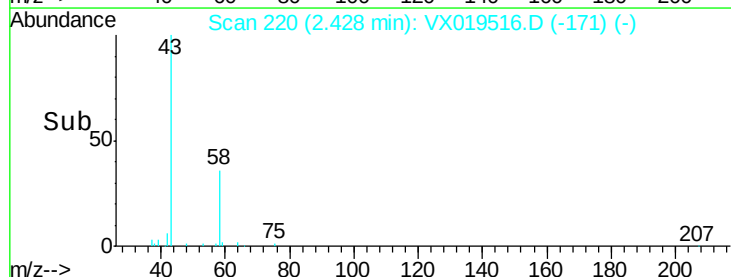
6000

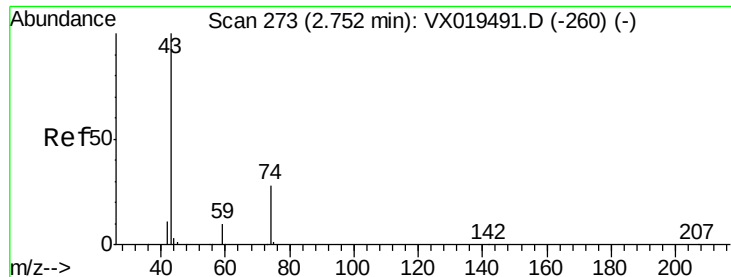
4000

2000

0

Time-->





#18

Methyl Acetate

Concen: 1.583 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX019516.D

Acq: 21 Nov 2020 00:50

Instrument :

MSVOA\_X

ClientSampleId :

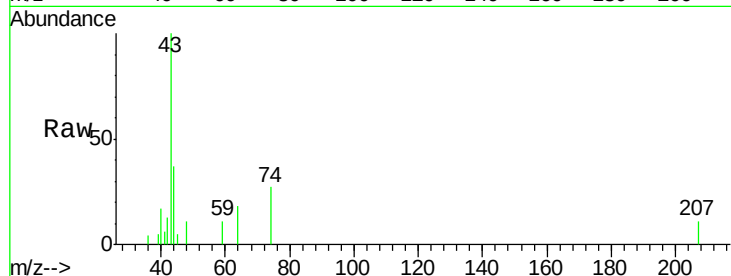
PB133122ZHE#01

Tot Ion: 43 Resp: 3261

Ion Ratio Lower Upper

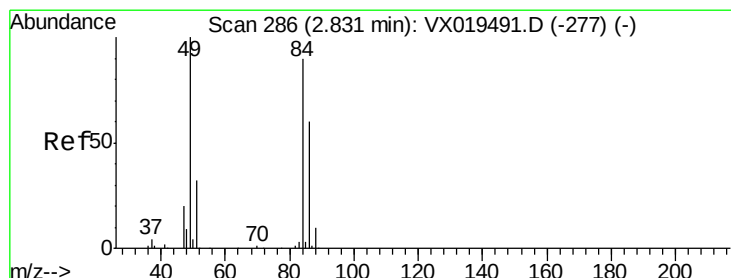
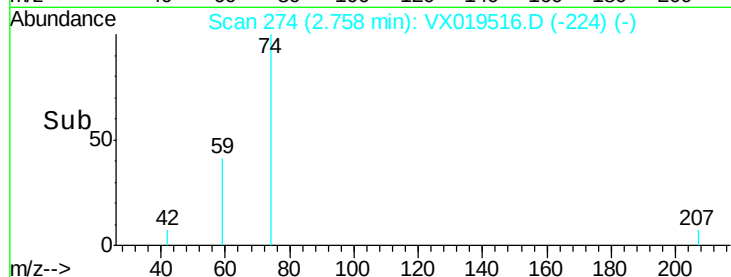
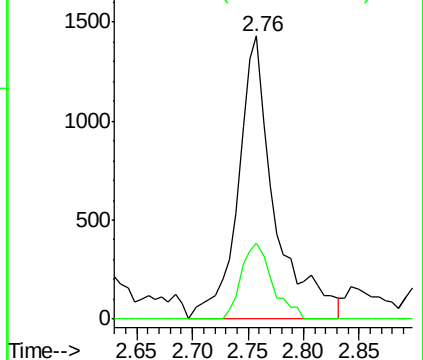
43 100

74 22.8 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 2.523 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX019516.D

Acq: 21 Nov 2020 00:50

Tgt Ion: 84 Resp: 8732

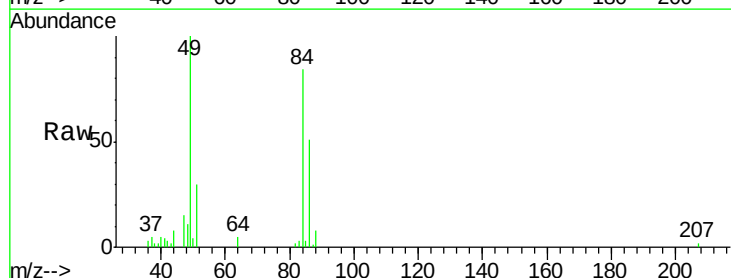
Ion Ratio Lower Upper

84 100

49 118.7 88.5 132.7

51 35.1 28.0 42.0

86 60.5 53.0 79.4

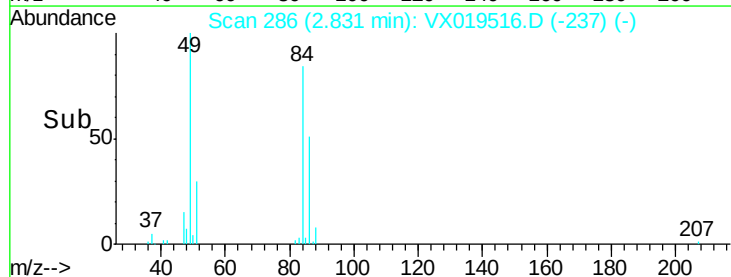
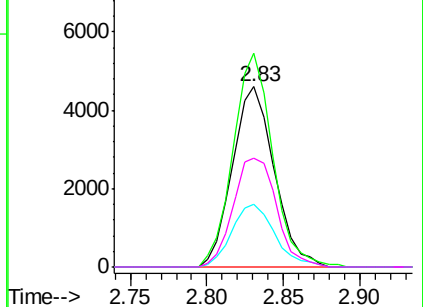


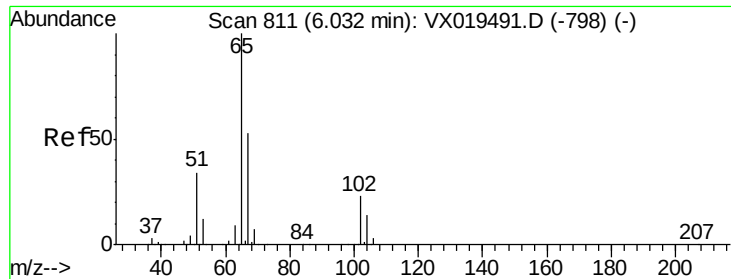
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

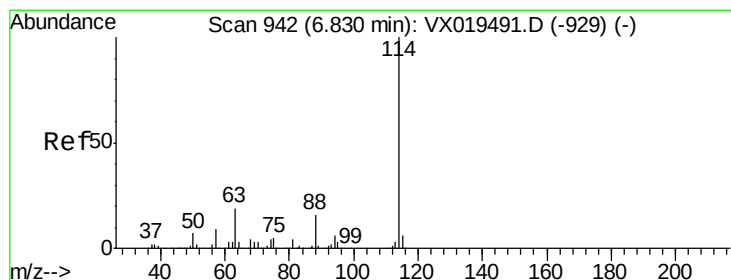
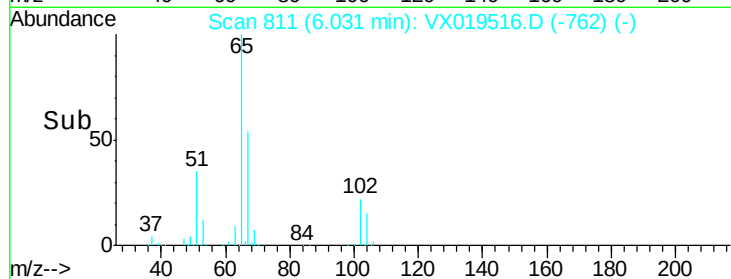
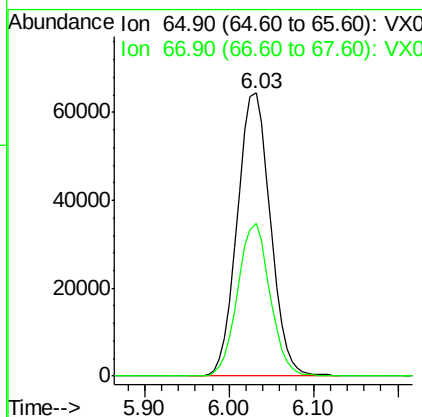
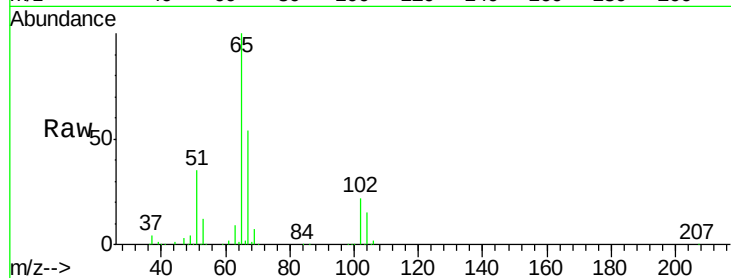




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.890 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX019516.D  
 Acq: 21 Nov 2020 00:50

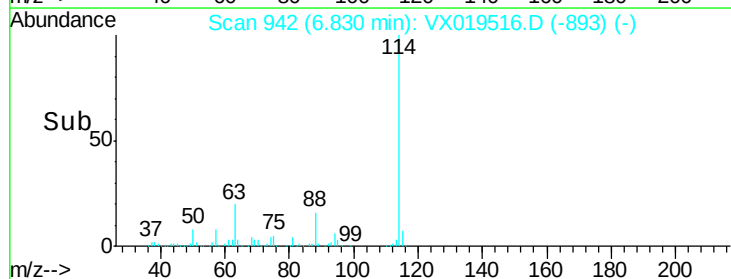
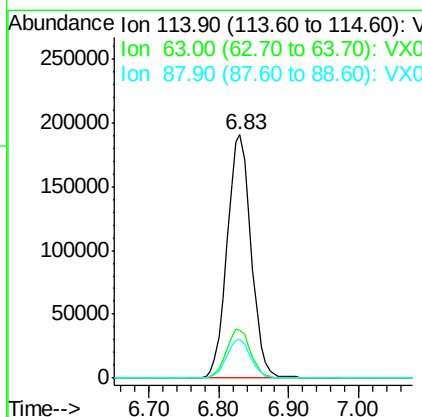
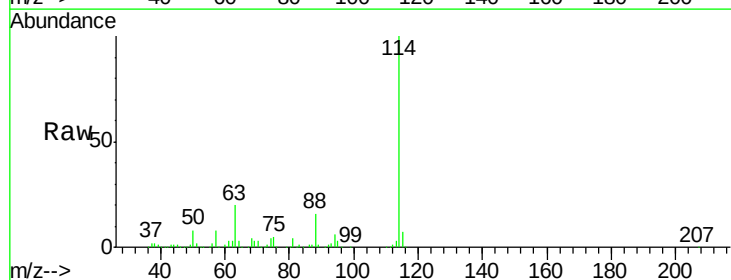
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133122ZHE#01

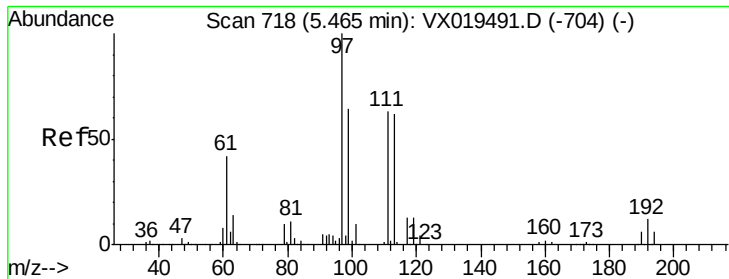
Tot Ion: 65 Resp: 171485  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: VX019516.D  
 Acq: 21 Nov 2020 00:50

Tgt Ion: 114 Resp: 454151  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 38.8  
 88 15.8 0.0 31.6

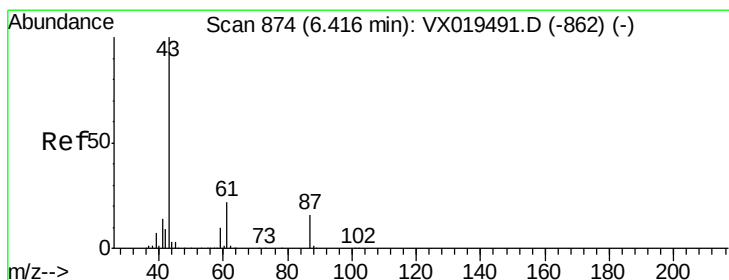
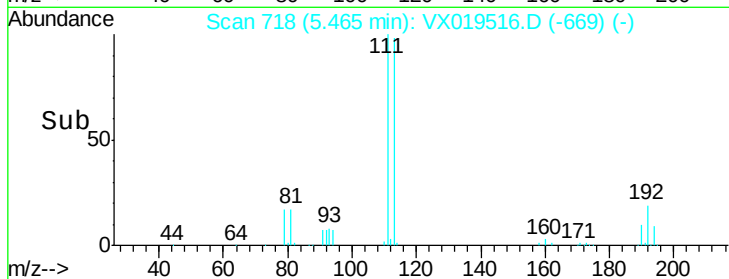
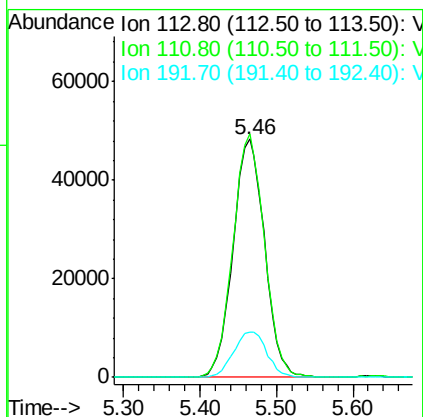
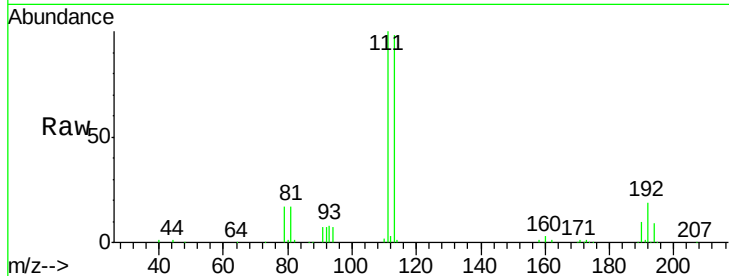




#35  
 Dibromofluoromethane  
 Concen: 48.593 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX019516.D  
 Acq: 21 Nov 2020 00:50

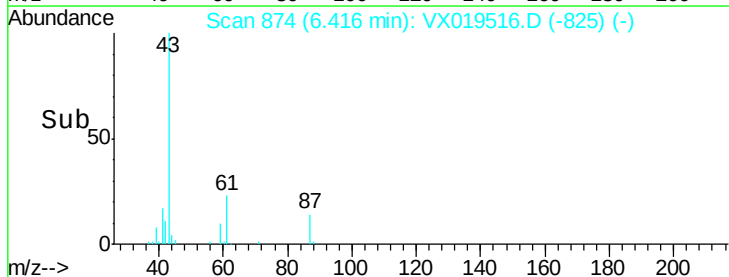
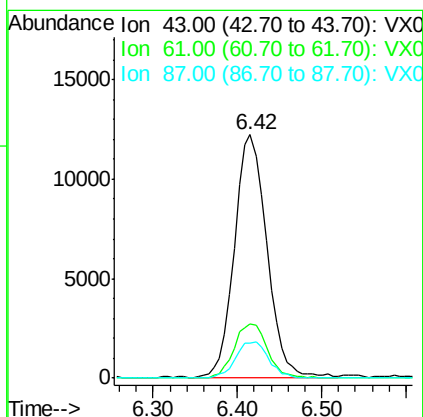
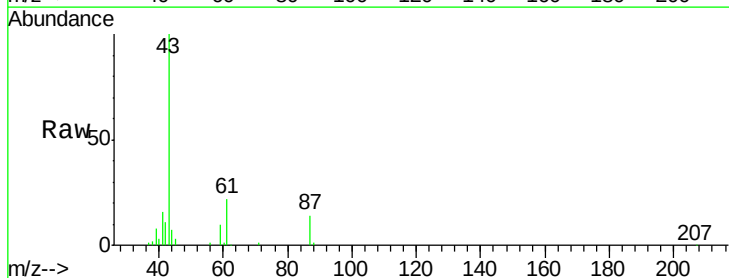
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB133122ZHE#01

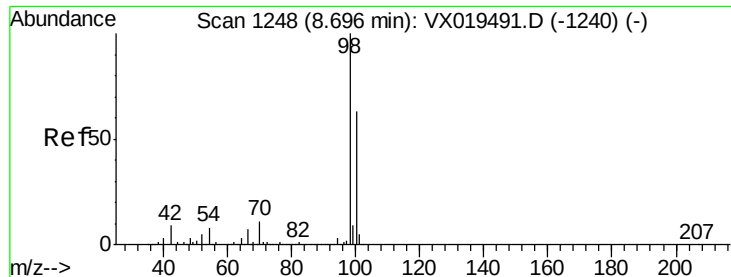
Tot Ion:113 Resp: 138525  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 81.5 122.3  
 192 20.0 16.2 24.2



#43  
 Isopropyl Acetate  
 Concen: 4.781 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. -0.00 min  
 Lab File: VX019516.D  
 Acq: 21 Nov 2020 00:50

Tgt Ion: 43 Resp: 32121  
 Ion Ratio Lower Upper  
 43 100  
 61 22.6 18.2 27.2  
 87 14.9 12.6 18.8

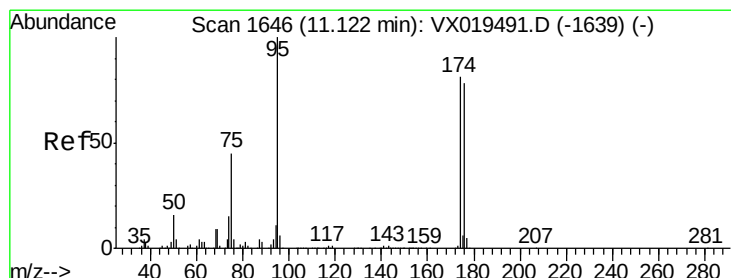
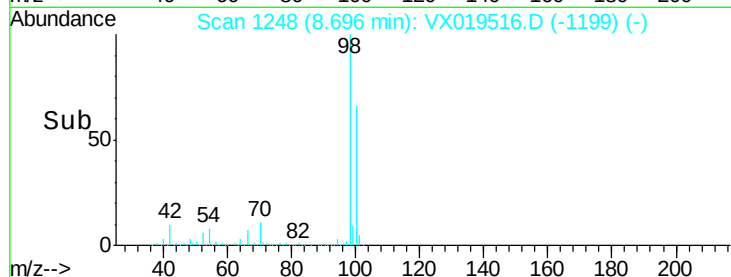
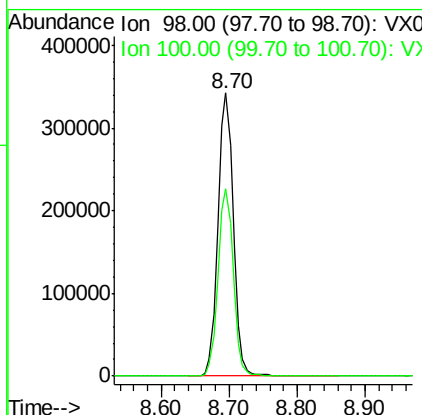
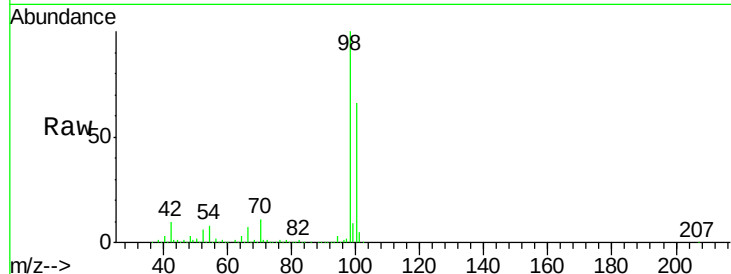




#50  
Toluene-d8  
Concen: 48.487 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VX019516.D  
Acq: 21 Nov 2020 00:50

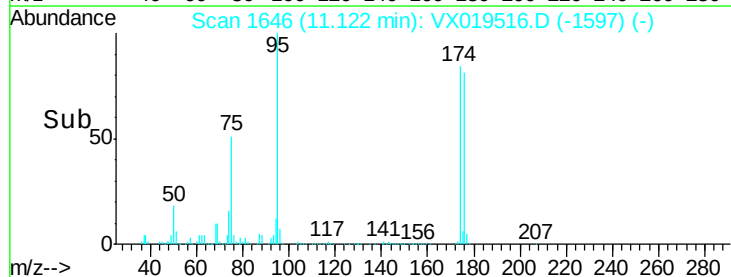
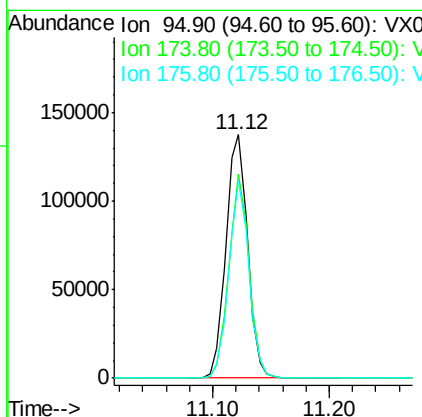
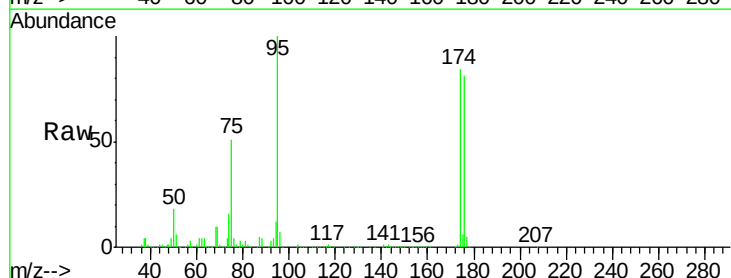
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133122ZHE#01

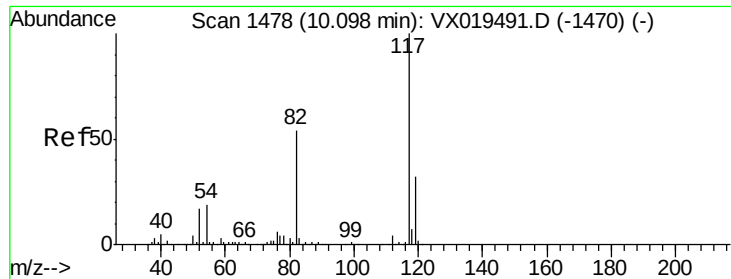
Tot Ion: 98 Resp: 537115  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 44.335 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX019516.D  
Acq: 21 Nov 2020 00:50

Tgt Ion: 95 Resp: 176699  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 156.2  
176 76.0 0.0 151.4

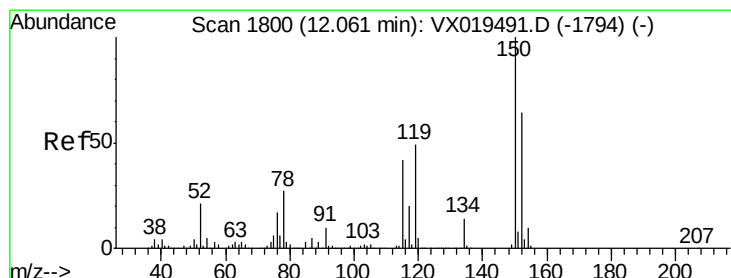
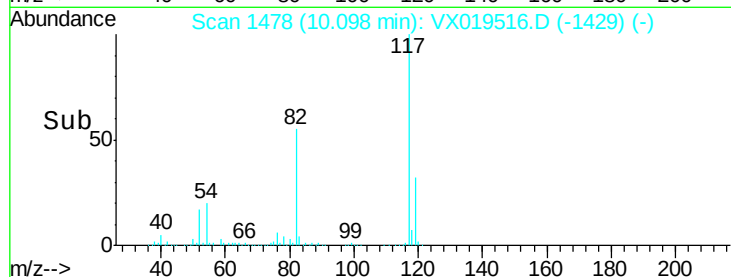
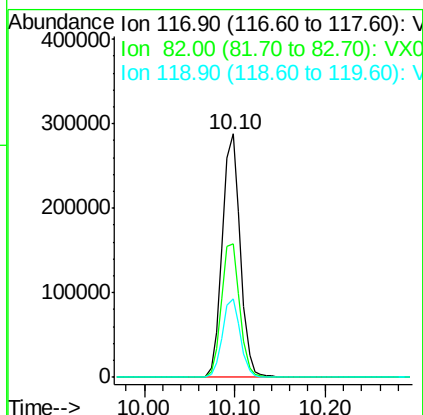
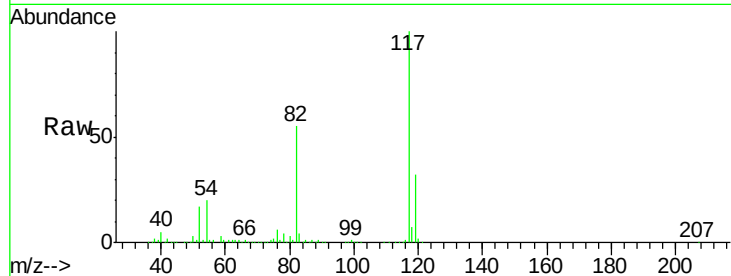




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019516.D  
Acq: 21 Nov 2020 00:50

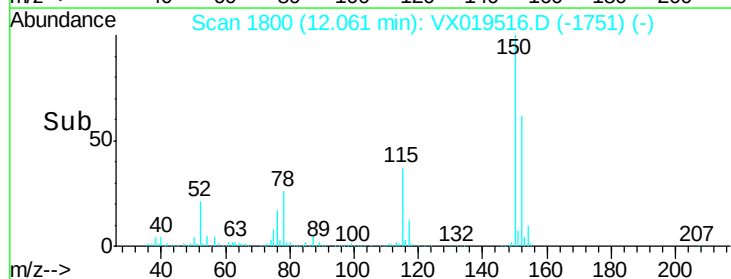
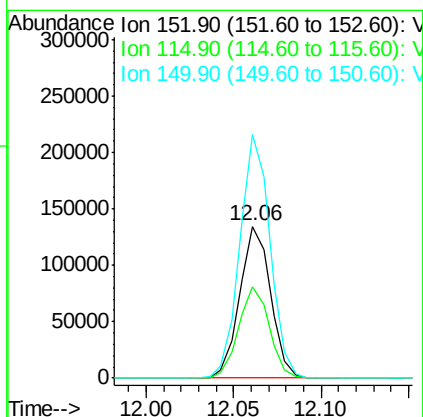
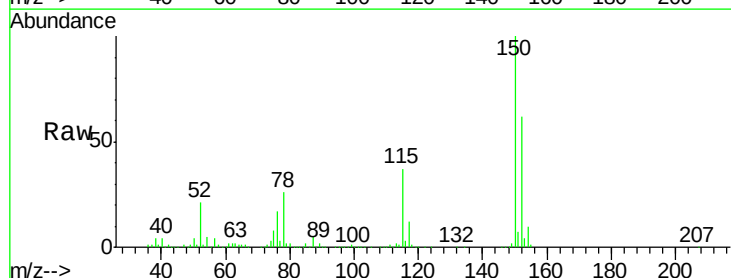
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB133122ZHE#01

Tot Ion:117 Resp: 397869  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.0 64.4  
119 32.1 25.6 38.4

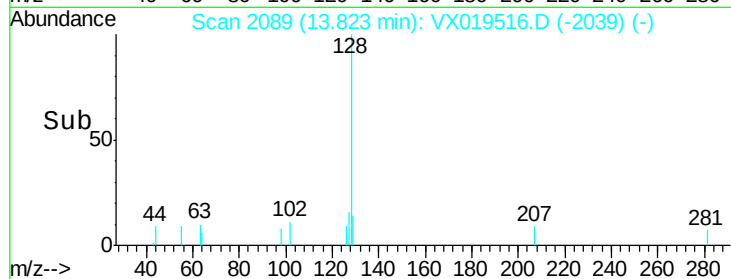
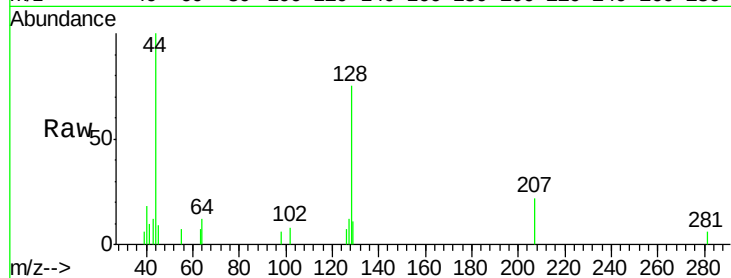
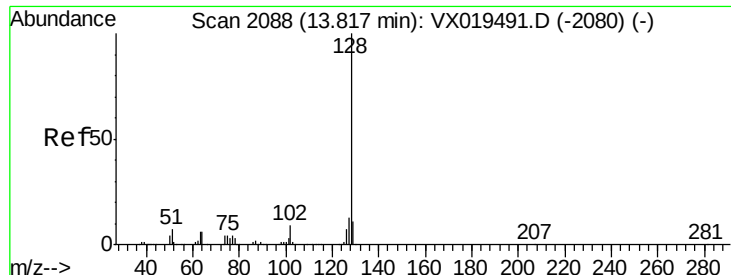


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX019516.D  
Acq: 21 Nov 2020 00:50

Tgt Ion:152 Resp: 165009  
Ion Ratio Lower Upper  
152 100  
115 59.6 41.8 125.4  
150 157.7 0.0 348.2







#95

Naphthalene

Concen: 2.255 ug/l

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX019516.D

Acq: 21 Nov 2020 00:50

Instrument :

MSVOA\_X

ClientSampleId :

PB133122ZHE#01

Tot Ion:128 Resp: 985

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 15.2 8.7 13.1#

