

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102921\  
 Data File : VU045456.D  
 Acq On : 29 Oct 2021 12:04  
 Operator : SY/MD  
 Sample : VU1029MBL01  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 30 04:03:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U102821W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 29 11:09:42 2021  
 Response via : Initial Calibration

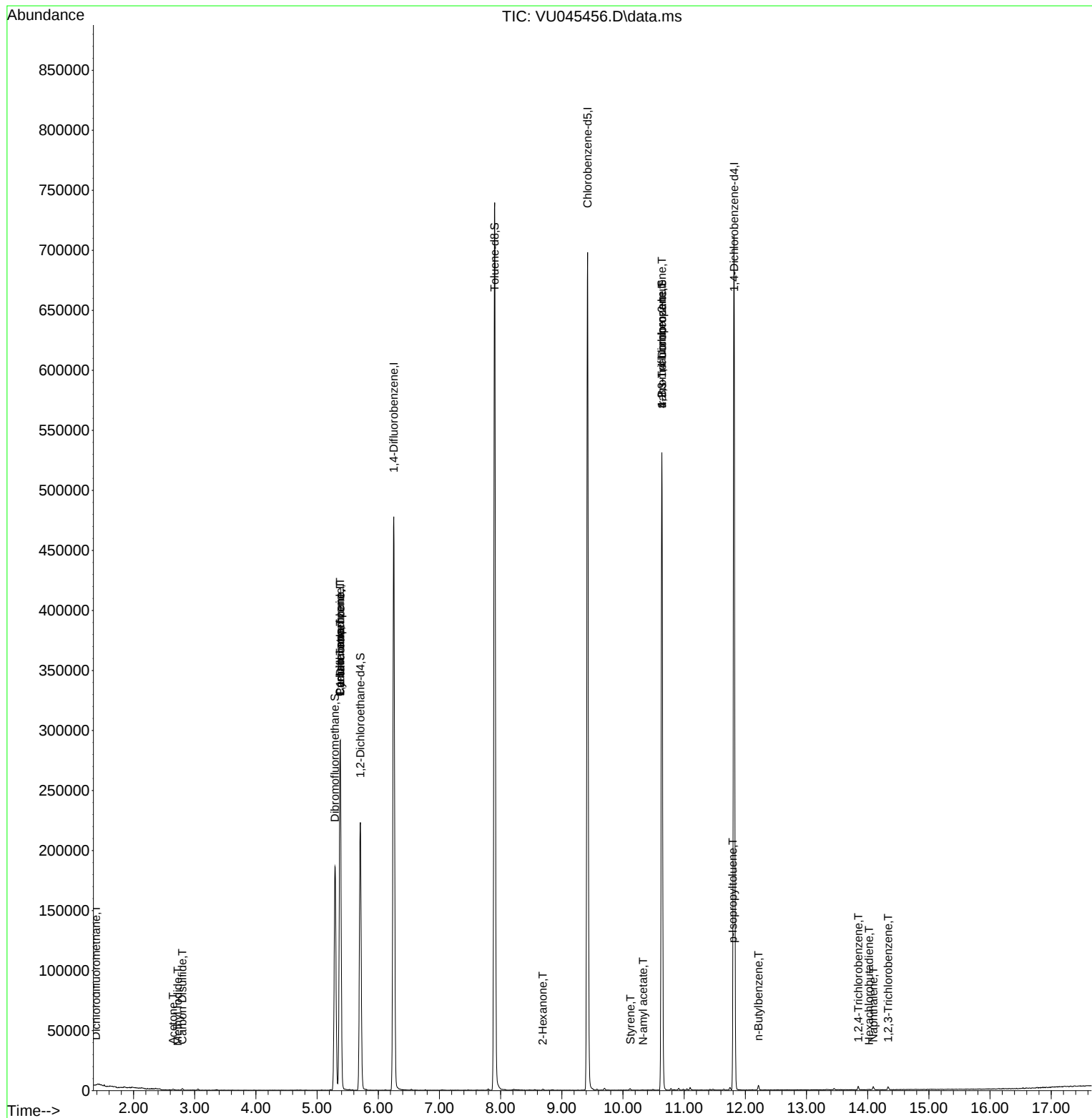
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.379  | 168   | 195420   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114   | 381343   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117   | 370634   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 175194   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.707  | 65    | 165271   | 51.948   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 103.900% |          |
| 35) Dibromofluoromethane      | 5.292  | 113   | 122045   | 50.333   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.660% |          |
| 50) Toluene-d8                | 7.903  | 98    | 490275   | 51.562   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 103.120% |          |
| 62) 4-Bromofluorobenzene      | 10.636 | 95    | 182654   | 50.411   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.820% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 71       | 0.401    | ug/l #     | 43       |
| 10) Methyl Iodide             | 2.723  | 142   | 161      | 9.417    | ug/l #     | 43       |
| 16) Acetone                   | 2.646  | 43    | 1242     | 0.860    | ug/l       | 99       |
| 17) Carbon Disulfide          | 2.797  | 76    | 1618     | 0.249    | ug/l #     | 80       |
| 31) Cyclohexane               | 5.376  | 56    | 4936     | 1.042    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.376  | 75    | 17664    | 4.866    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.376  | 117   | 19905    | 6.287    | ug/l #     | 16       |
| 59) 2-Hexanone                | 8.687  | 43    | 794      | 0.239    | ug/l       | 70       |
| 70) Styrene                   | 10.121 | 104   | 653      | 1.049    | ug/l #     | 72       |
| 74) N-amyl acetate            | 10.327 | 43    | 157      | 1.180    | ug/l #     | 40       |
| 76) 1,2,3-Trichloropropane    | 10.636 | 75    | 95419    | 20.442   | ug/l #     | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.636 | 75    | 95419    | 56.718   | ug/l #     | 12       |
| 86) p-Isopropyltoluene        | 11.793 | 119   | 919      | 0.270    | ug/l #     | 49       |
| 89) n-Butylbenzene            | 12.214 | 91    | 1632     | 1.085    | ug/l       | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.845 | 180   | 1068     | 0.293    | ug/l       | 94       |
| 94) Hexachlorobutadiene       | 14.021 | 225   | 273      | 0.206    | ug/l #     | 34       |
| 95) Naphthalene               | 14.092 | 128   | 2825     | 0.296    | ug/l #     | 89       |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180   | 1008     | 0.274    | ug/l       | 89       |
| -----                         |        |       |          |          |            |          |

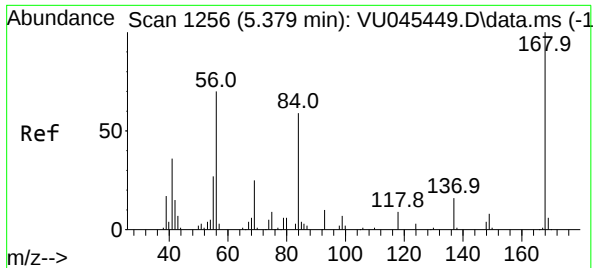
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102921\  
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Sample : VU1029MBL01  
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Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Oct 30 04:03:25 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U102821W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 29 11:09:42 2021  
Response via : Initial Calibration

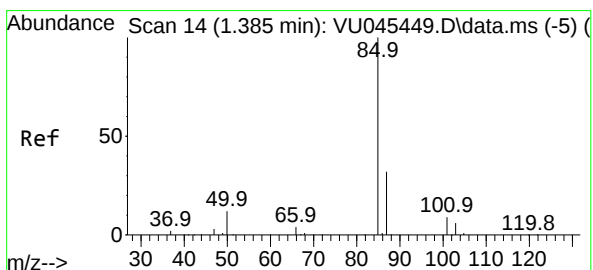
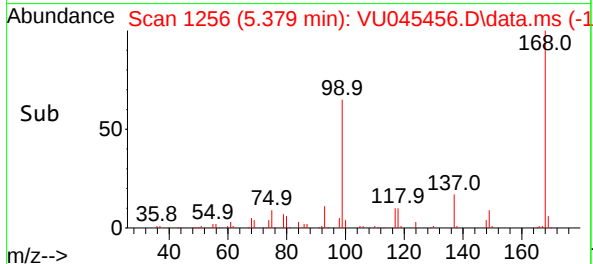
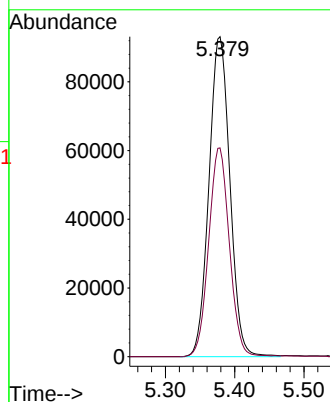
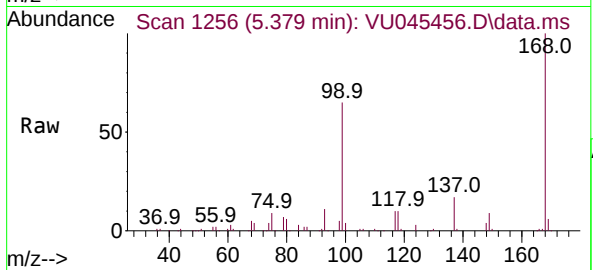




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

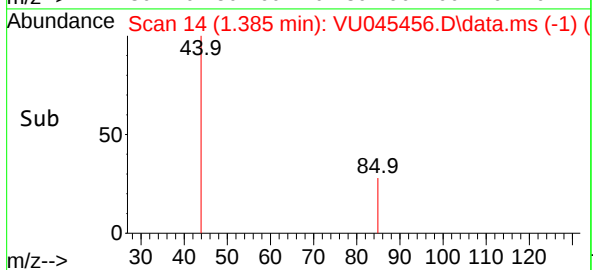
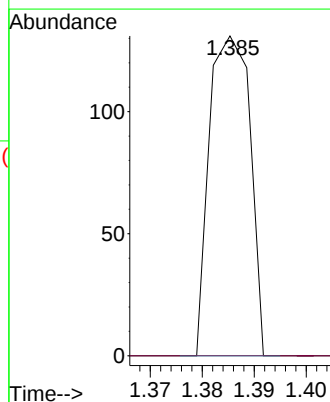
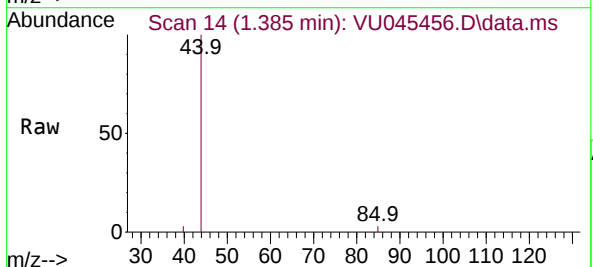
Instrument :  
MSVOA\_U  
ClientSampleId :

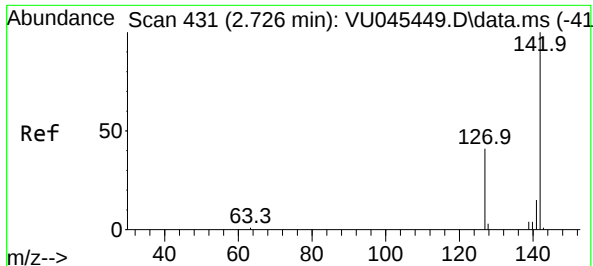
Tgt Ion:168 Resp: 195420  
Ion Ratio Lower Upper  
168 100  
99 65.2 51.0 76.6



#2  
Dichlorodifluoromethane  
Concen: 0.401 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

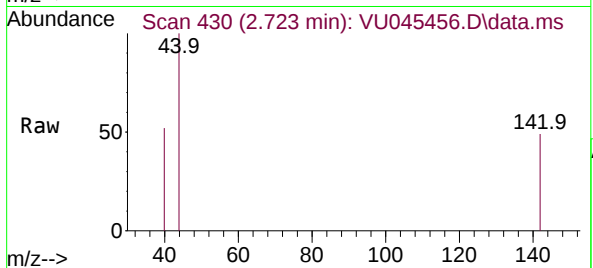
Tgt Ion: 85 Resp: 71  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.9 47.7#



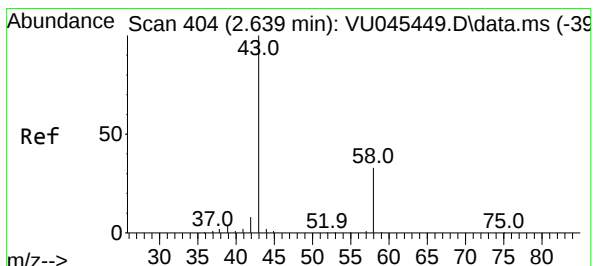
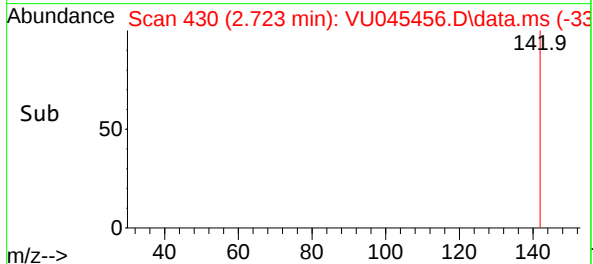
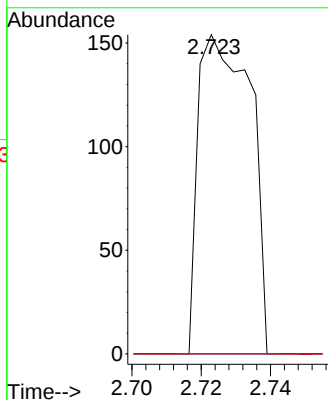


#10  
Methyl Iodide  
Concen: 9.417 ug/l  
RT: 2.723 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Instrument :  
MSVOA\_U  
ClientSampleId :

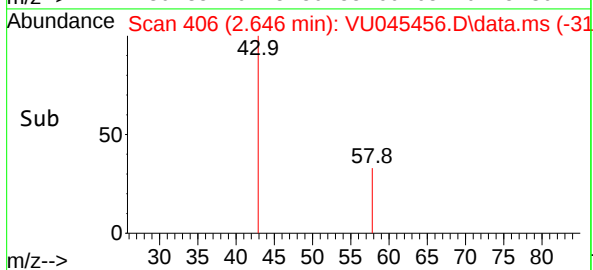
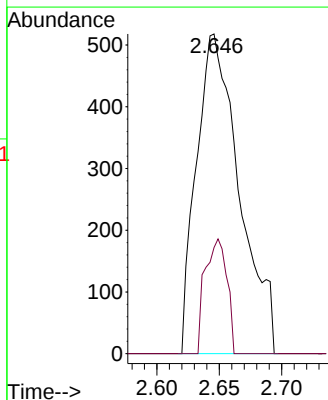
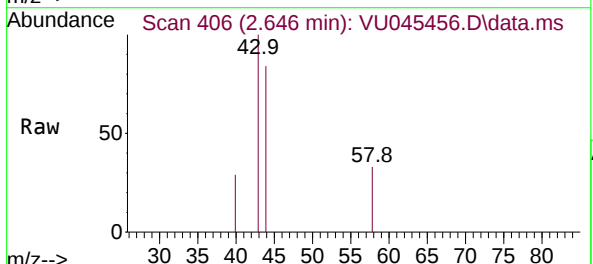


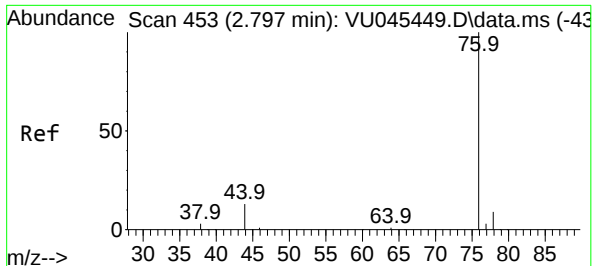
Tgt Ion:142 Resp: 161  
Ion Ratio Lower Upper  
142 100  
127 0.0 32.2 48.2#  
141 0.0 11.3 16.9#



#16  
Acetone  
Concen: 0.860 ug/l  
RT: 2.646 min Scan# 406  
Delta R.T. 0.007 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

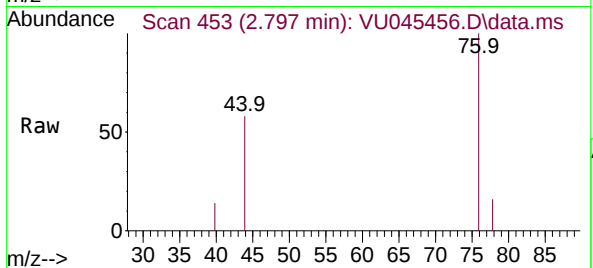
Tgt Ion: 43 Resp: 1242  
Ion Ratio Lower Upper  
43 100  
58 33.2 26.2 39.2



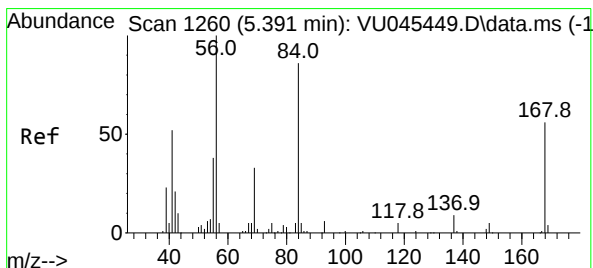
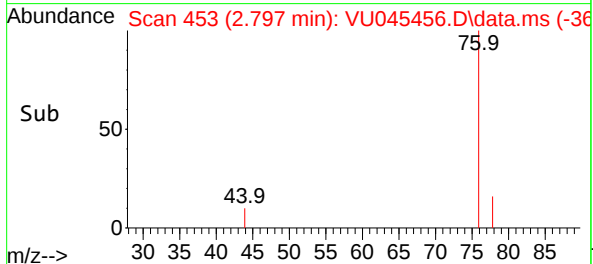
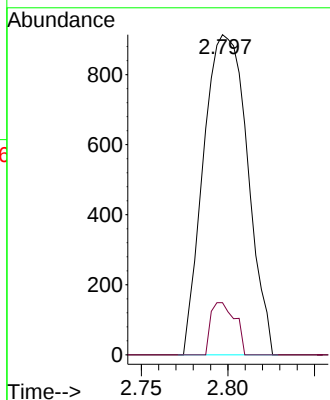


#17  
Carbon Disulfide  
Concen: 0.249 ug/l  
RT: 2.797 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Instrument :  
MSVOA\_U  
ClientSampleId :

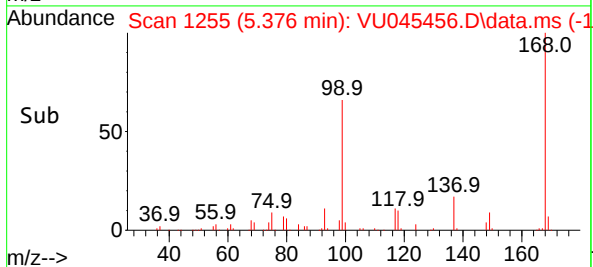
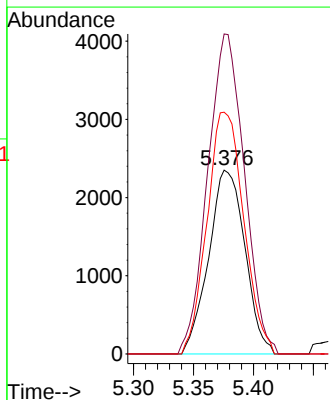
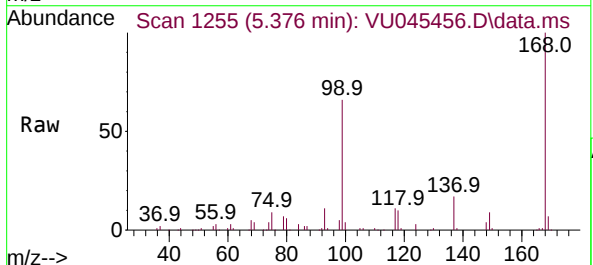


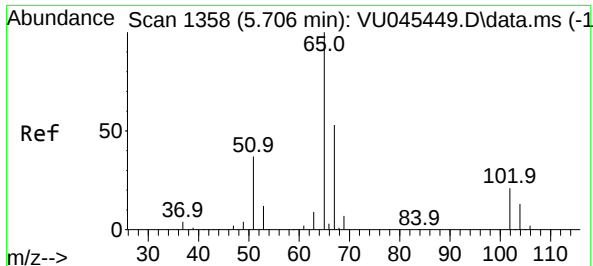
Tgt Ion: 76 Resp: 1618  
Ion Ratio Lower Upper  
76 100  
78 16.3 7.3 10.9#



#31  
Cyclohexane  
Concen: 1.042 ug/l  
RT: 5.376 min Scan# 1255  
Delta R.T. -0.016 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Tgt Ion: 56 Resp: 4936  
Ion Ratio Lower Upper  
56 100  
69 174.1 26.4 39.6#  
84 131.5 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 51.948 ug/l

RT: 5.707 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045456.D

Acq: 29 Oct 2021 12:04

Instrument :

MSVOA\_U

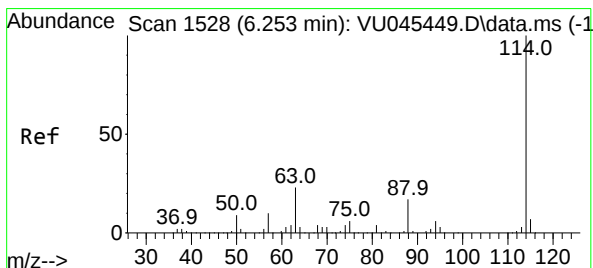
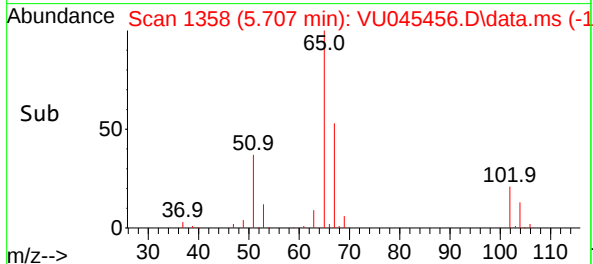
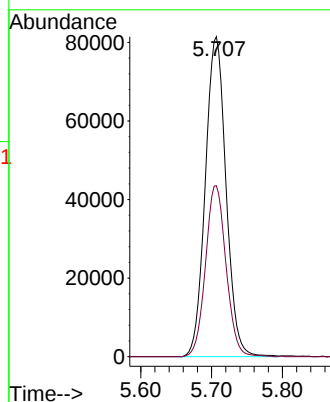
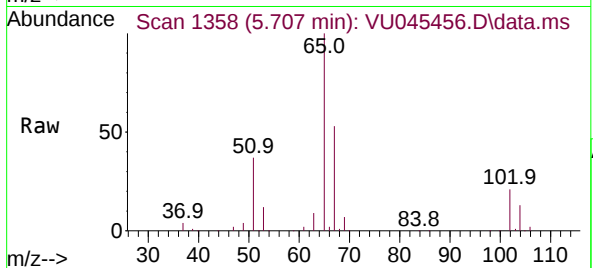
ClientSampleId :

Tgt Ion: 65 Resp: 165271

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045456.D

Acq: 29 Oct 2021 12:04

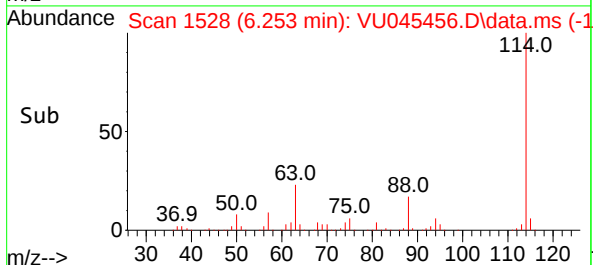
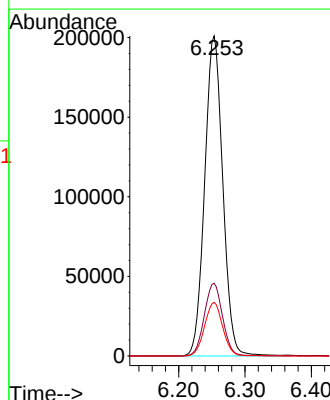
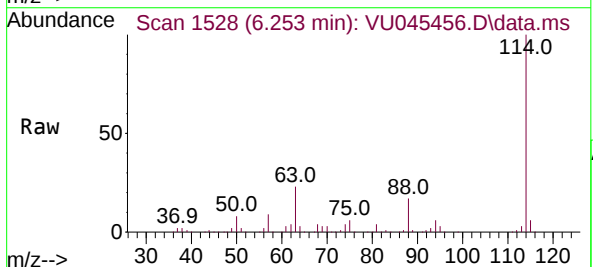
Tgt Ion: 114 Resp: 381343

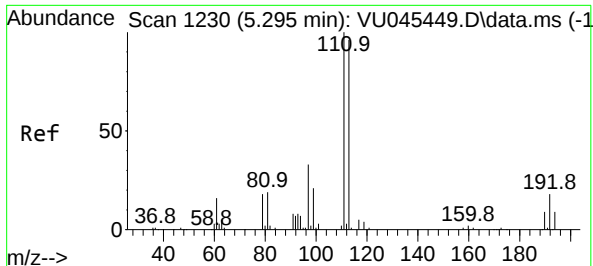
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.333 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.003 min

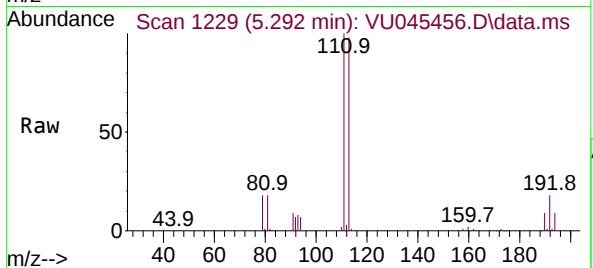
Lab File: VU045456.D

Acq: 29 Oct 2021 12:04

Instrument :

MSVOA\_U

ClientSampleId :



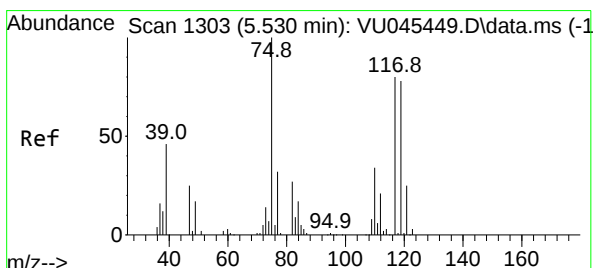
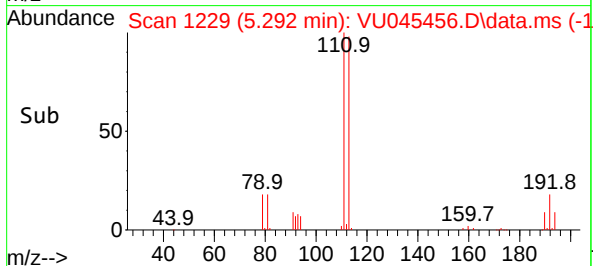
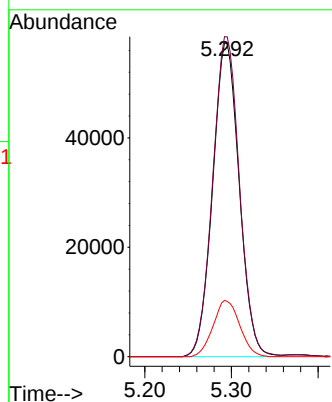
Tgt Ion:113 Resp: 122045

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.376 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045456.D

Acq: 29 Oct 2021 12:04

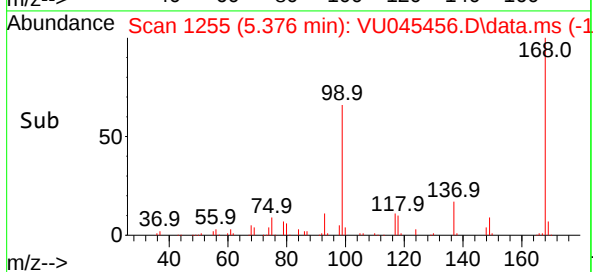
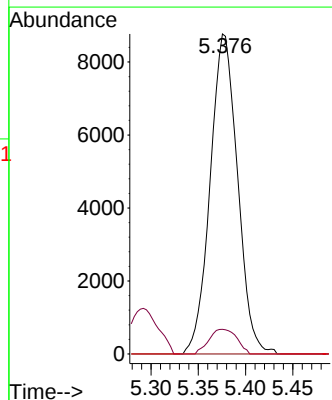
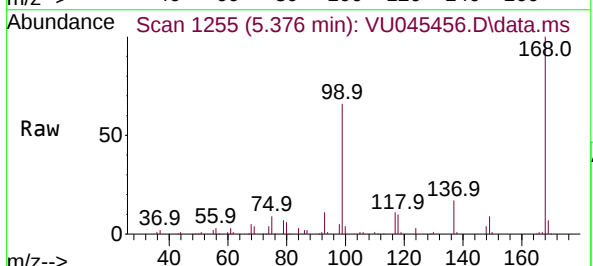
Tgt Ion: 75 Resp: 17664

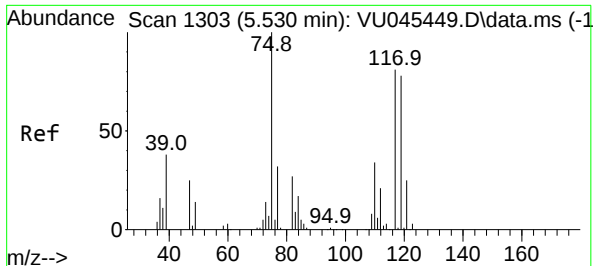
Ion Ratio Lower Upper

75 100

110 7.8 16.7 50.0#

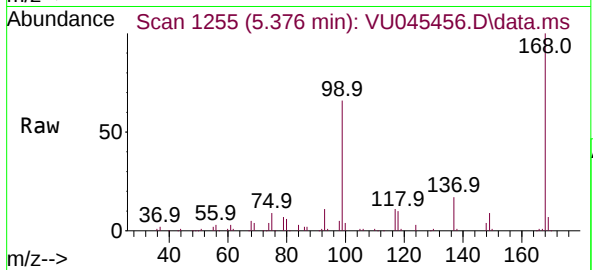
77 0.0 25.0 37.4#



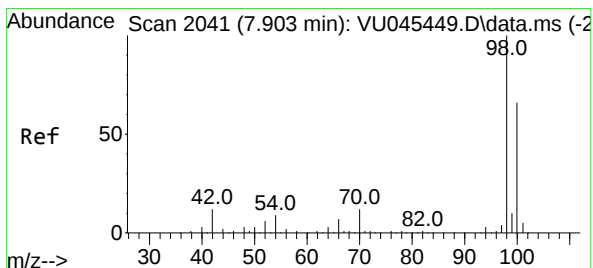
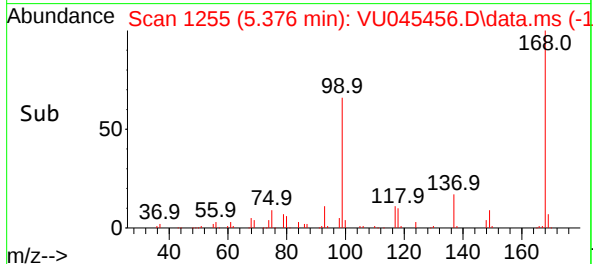
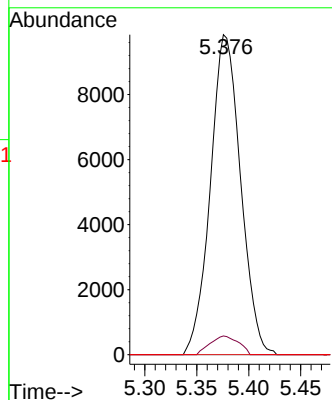


#38  
Carbon Tetrachloride  
Concen: 6.287 ug/l  
RT: 5.376 min Scan# 117  
Delta R.T. -0.154 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Instrument :  
MSVOA\_U  
ClientSampleId :

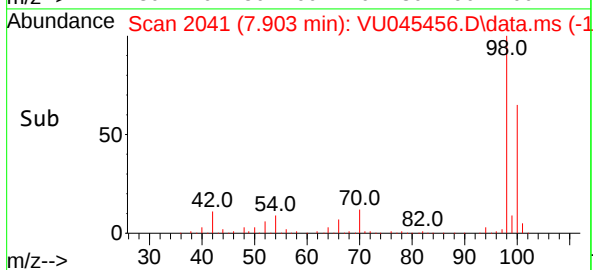
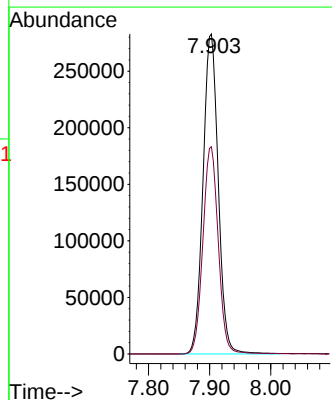
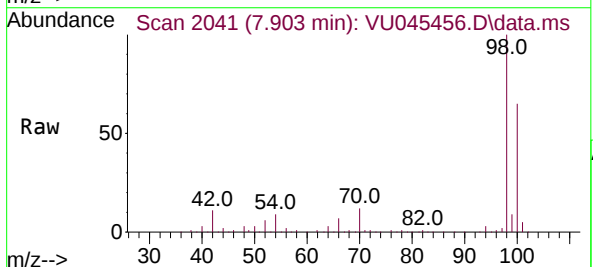


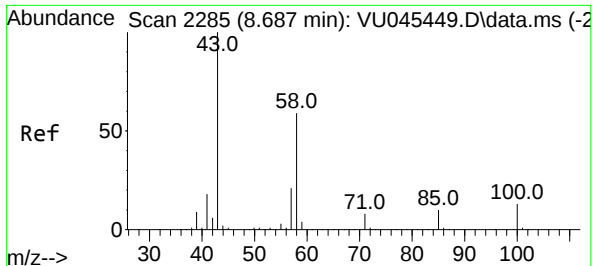
Tgt Ion:117 Resp: 19905  
Ion Ratio Lower Upper  
117 100  
119 5.9 77.4 116.0#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 51.562 ug/l  
RT: 7.903 min Scan# 2041  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Tgt Ion: 98 Resp: 490275  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.5 78.7





#59

2-Hexanone

Concen: 0.239 ug/l

RT: 8.687 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045456.D

Acq: 29 Oct 2021 12:04

Instrument :

MSVOA\_U

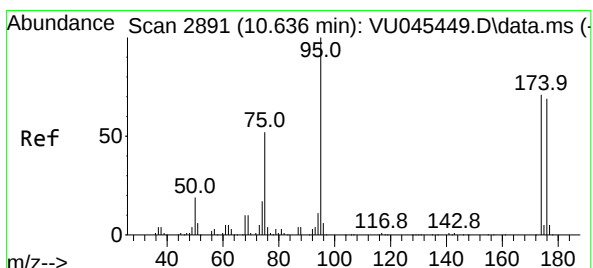
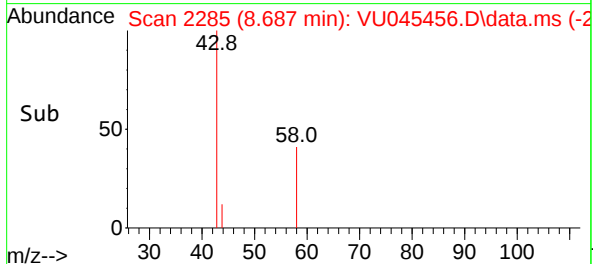
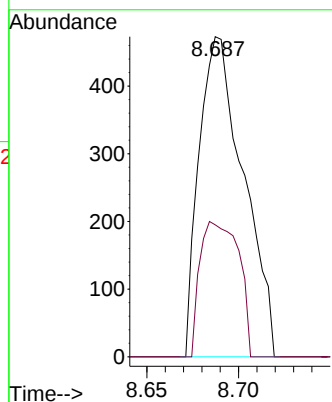
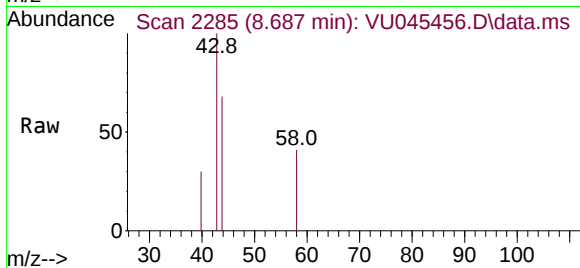
ClientSampleId :

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

58 36.9 29.5 88.6



#62

4-Bromofluorobenzene

Concen: 50.411 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.000 min

Lab File: VU045456.D

Acq: 29 Oct 2021 12:04

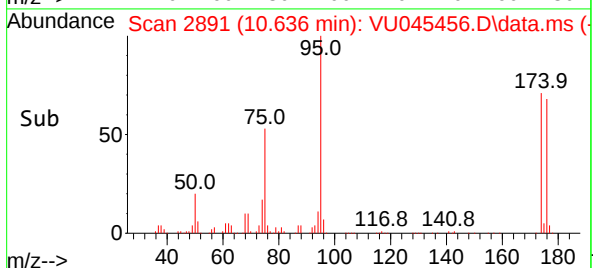
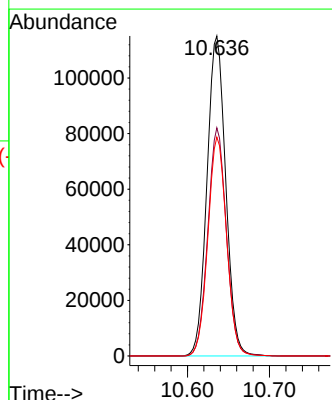
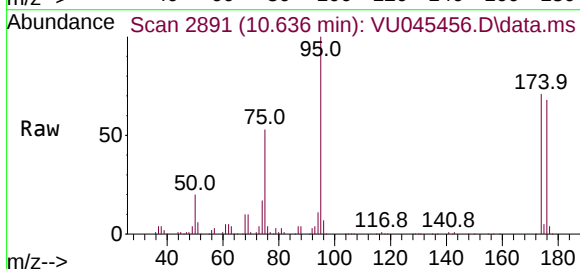
Tgt Ion: 95 Resp: 182654

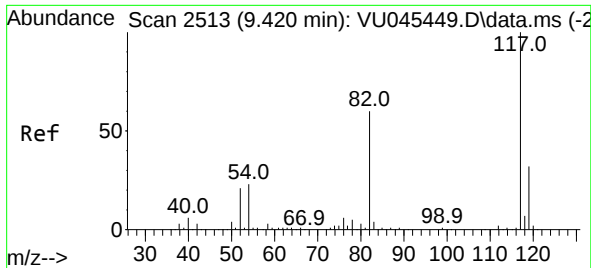
Ion Ratio Lower Upper

95 100

174 70.6 0.0 141.8

176 68.1 0.0 138.2

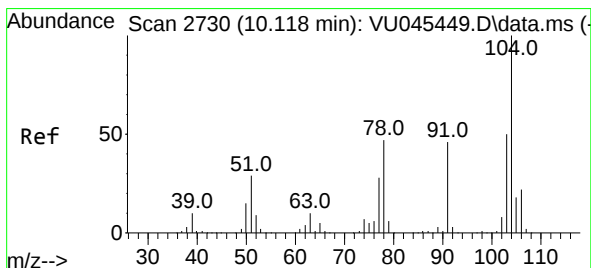
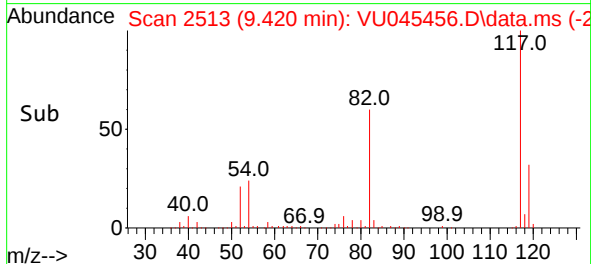
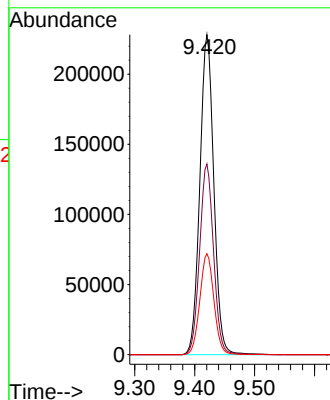
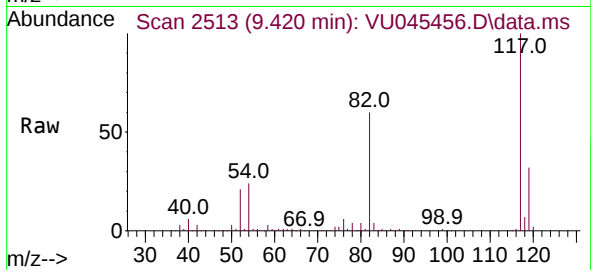




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

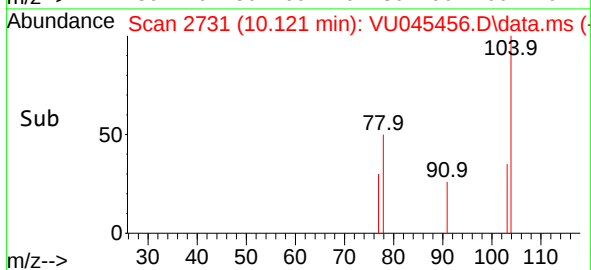
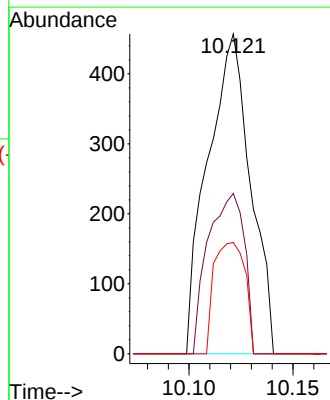
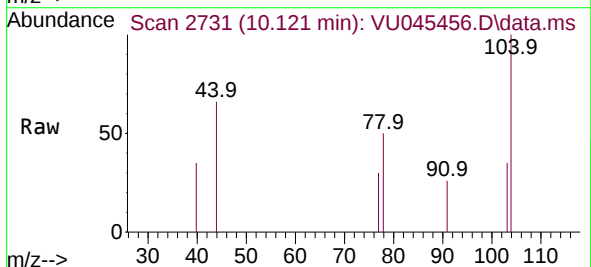
Instrument :  
MSVOA\_U  
ClientSampleId :

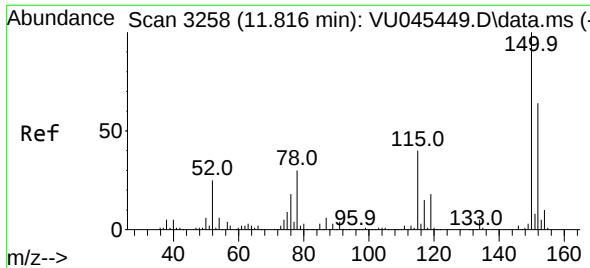
Tgt Ion:117 Resp: 370634  
Ion Ratio Lower Upper  
117 100  
82 59.6 47.8 71.8  
119 31.6 25.8 38.8



#70  
Styrene  
Concen: 1.049 ug/l  
RT: 10.121 min Scan# 2731  
Delta R.T. 0.003 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Tgt Ion:104 Resp: 653  
Ion Ratio Lower Upper  
104 100  
78 42.4 41.8 62.6  
103 25.1 43.8 65.6#

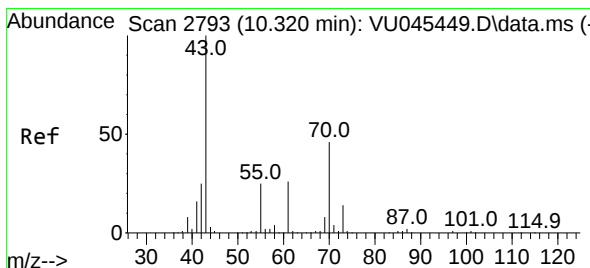
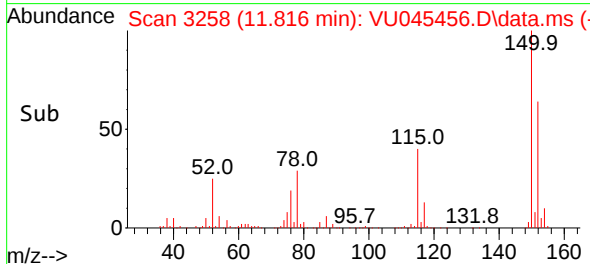
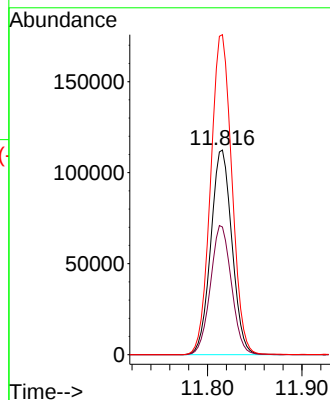
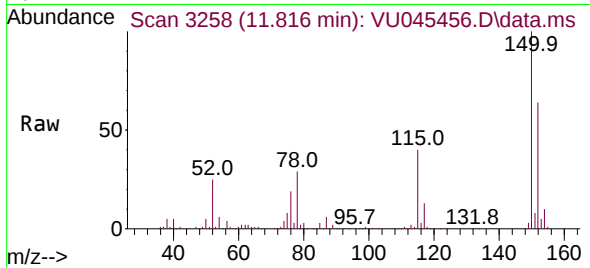




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

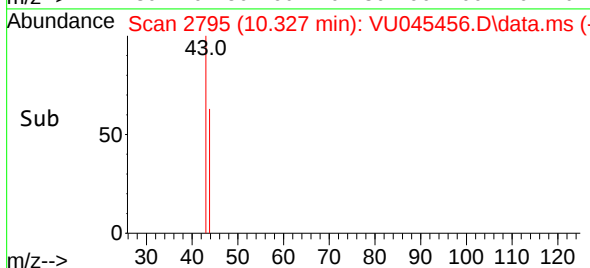
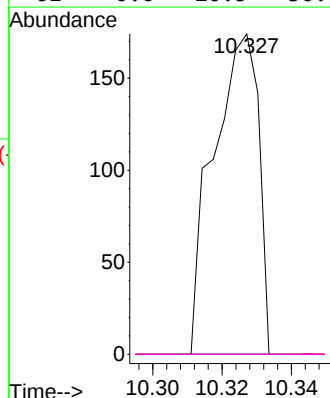
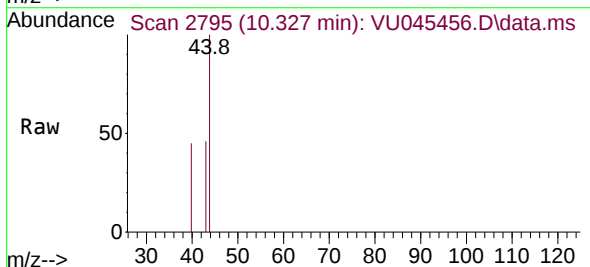
Instrument :  
MSVOA\_U  
ClientSampleId :

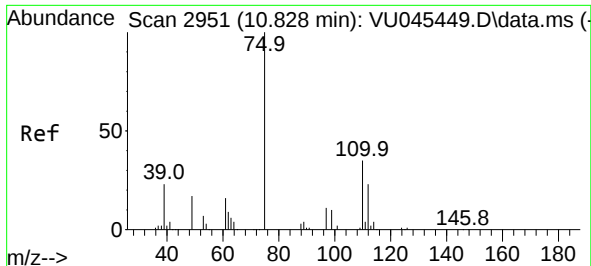
Tgt Ion:152 Resp: 175194  
Ion Ratio Lower Upper  
152 100  
115 62.4 42.7 128.1  
150 157.0 0.0 346.8



#74  
N-ethyl acetate  
Concen: 1.180 ug/l  
RT: 10.327 min Scan# 2795  
Delta R.T. 0.007 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Tgt Ion: 43 Resp: 157  
Ion Ratio Lower Upper  
43 100  
70 0.0 36.9 55.3#  
55 0.0 20.6 31.0#  
61 0.0 20.5 30.7#

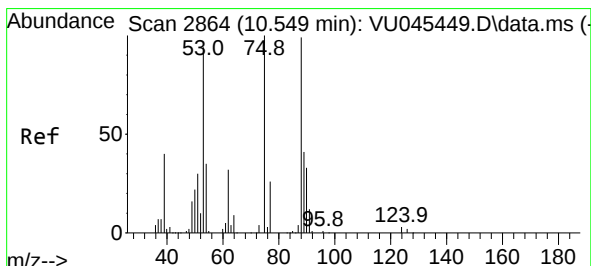
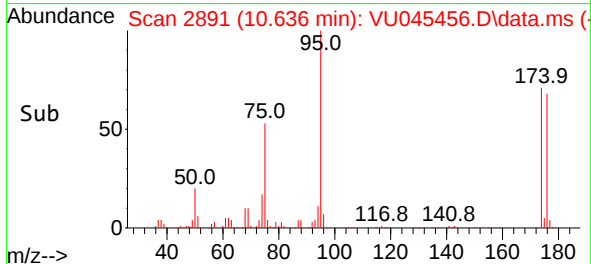
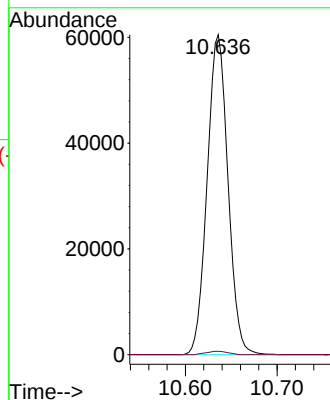
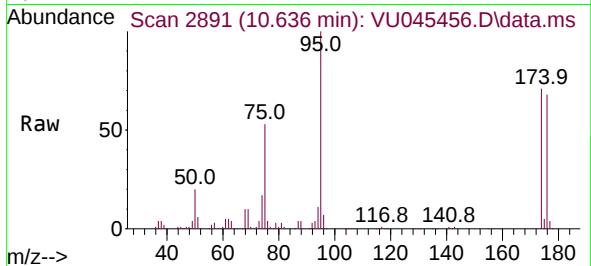




#76  
1,2,3-Trichloropropane  
Concen: 20.442 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. -0.193 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

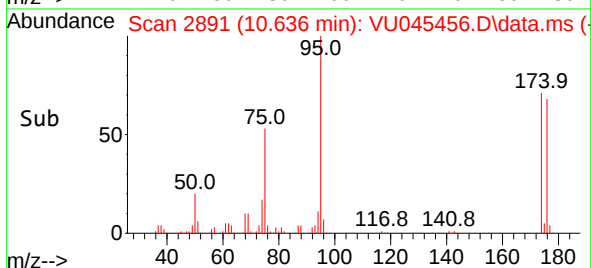
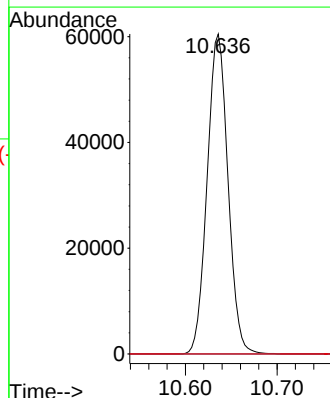
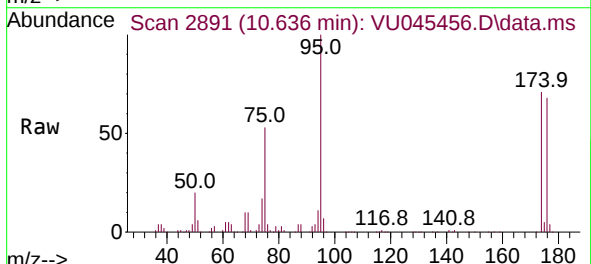
Instrument :  
MSVOA\_U  
ClientSampleId :

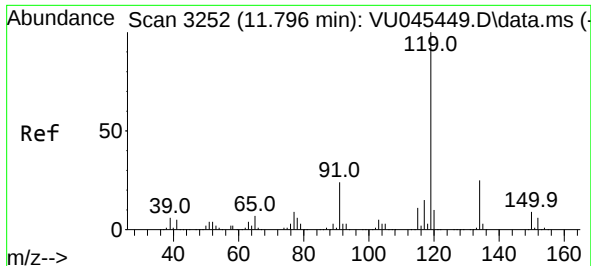
Tgt Ion: 75 Resp: 95419  
Ion Ratio Lower Upper  
75 100  
77 1.1 17.1 51.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.718 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.087 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

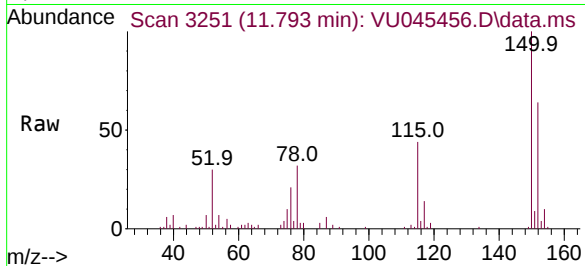
Tgt Ion: 75 Resp: 95419  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



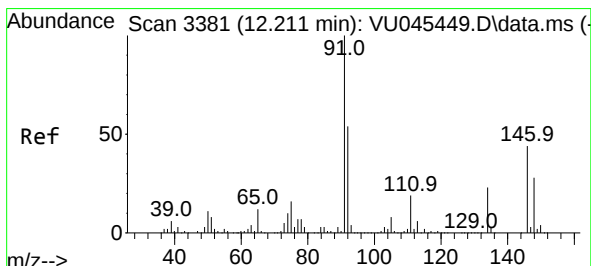
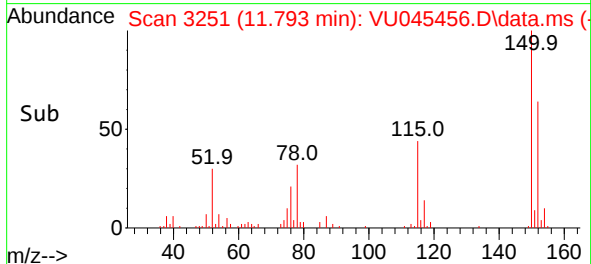
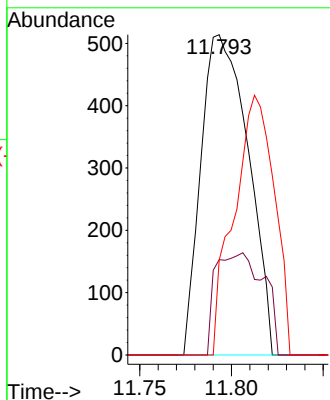


#86  
p-Isopropyltoluene  
Concen: 0.270 ug/l  
RT: 11.793 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Instrument :  
MSVOA\_U  
ClientSampleId :

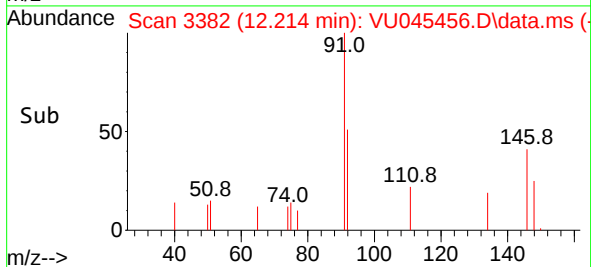
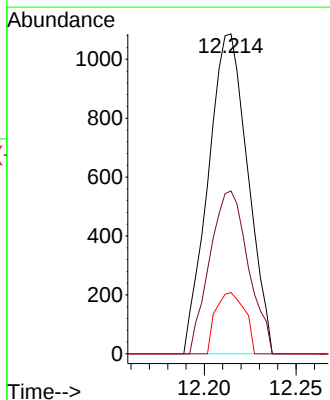
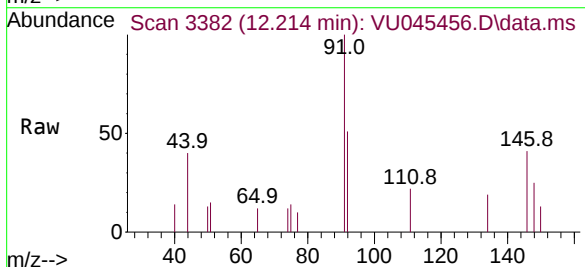


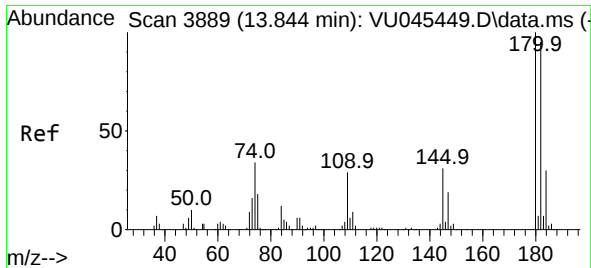
Tgt Ion:119 Resp: 919  
Ion Ratio Lower Upper  
119 100  
134 32.4 12.7 38.1  
91 69.2 12.2 36.4#



#89  
n-Butylbenzene  
Concen: 1.085 ug/l  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.003 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

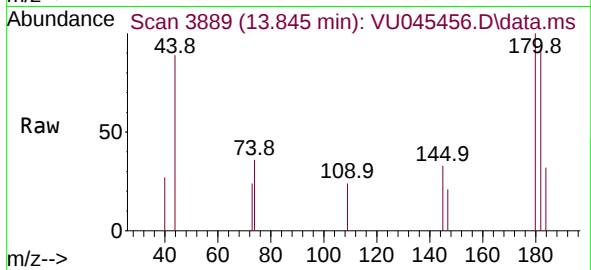
Tgt Ion: 91 Resp: 1632  
Ion Ratio Lower Upper  
91 100  
92 49.6 27.1 81.2  
134 14.0 11.8 35.4



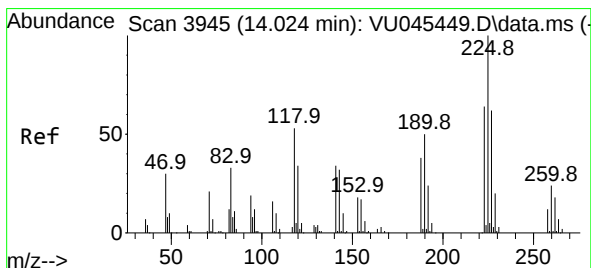
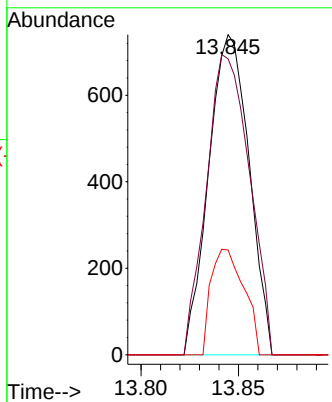
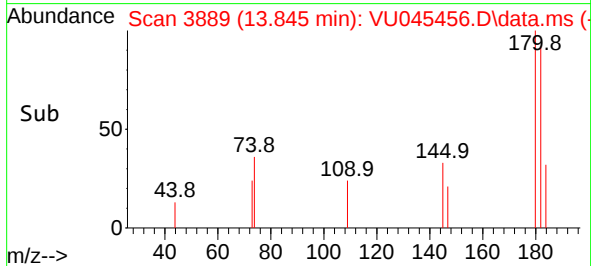


#93  
1,2,4-Trichlorobenzene  
Concen: 0.293 ug/l  
RT: 13.845 min Scan# 3889  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

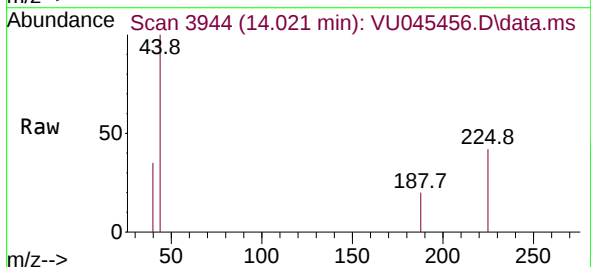
Instrument :  
MSVOA\_U  
ClientSampleId :



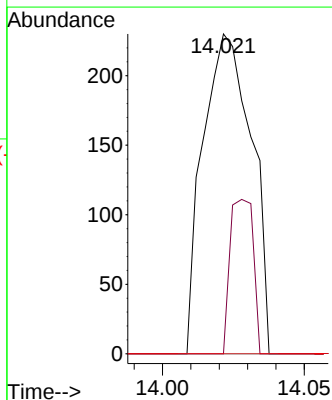
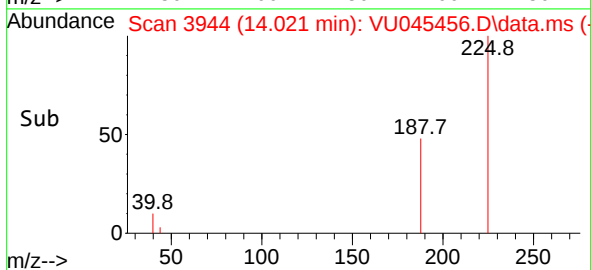
Tgt Ion:180 Resp: 1068  
Ion Ratio Lower Upper  
180 100  
182 99.9 47.0 141.2  
145 26.8 15.6 46.7

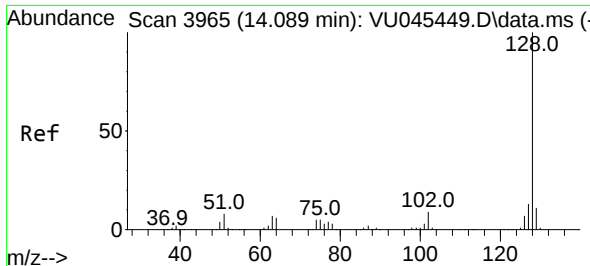


#94  
Hexachlorobutadiene  
Concen: 0.206 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. -0.003 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04



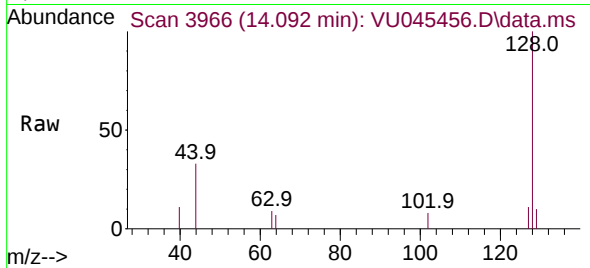
Tgt Ion:225 Resp: 273  
Ion Ratio Lower Upper  
225 100  
223 23.1 32.0 96.2#  
227 0.0 31.1 93.5#



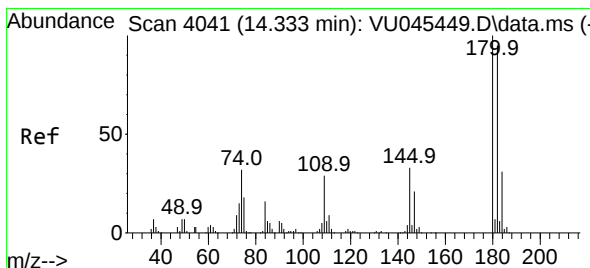
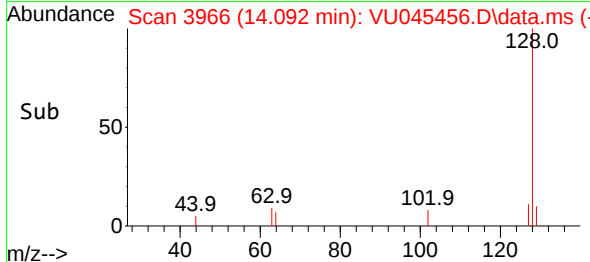
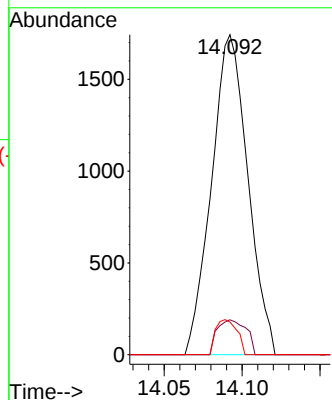


#95  
Naphthalene  
Concen: 0.296 ug/l  
RT: 14.092 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 2825  
Ion Ratio Lower Upper  
128 100  
127 8.7 10.6 15.8#  
129 6.4 8.6 13.0#



#96  
1,2,3-Trichlorobenzene  
Concen: 0.274 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.000 min  
Lab File: VU045456.D  
Acq: 29 Oct 2021 12:04

Tgt Ion:180 Resp: 1008  
Ion Ratio Lower Upper  
180 100  
182 87.1 47.7 143.1  
145 23.8 16.7 50.0

