

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081721\  
 Data File : VD070085.D  
 Acq On : 17 Aug 2021 13:45  
 Operator : VA/SY  
 Sample : M3388-01RE  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-215RE

Quant Time: Aug 18 03:06:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

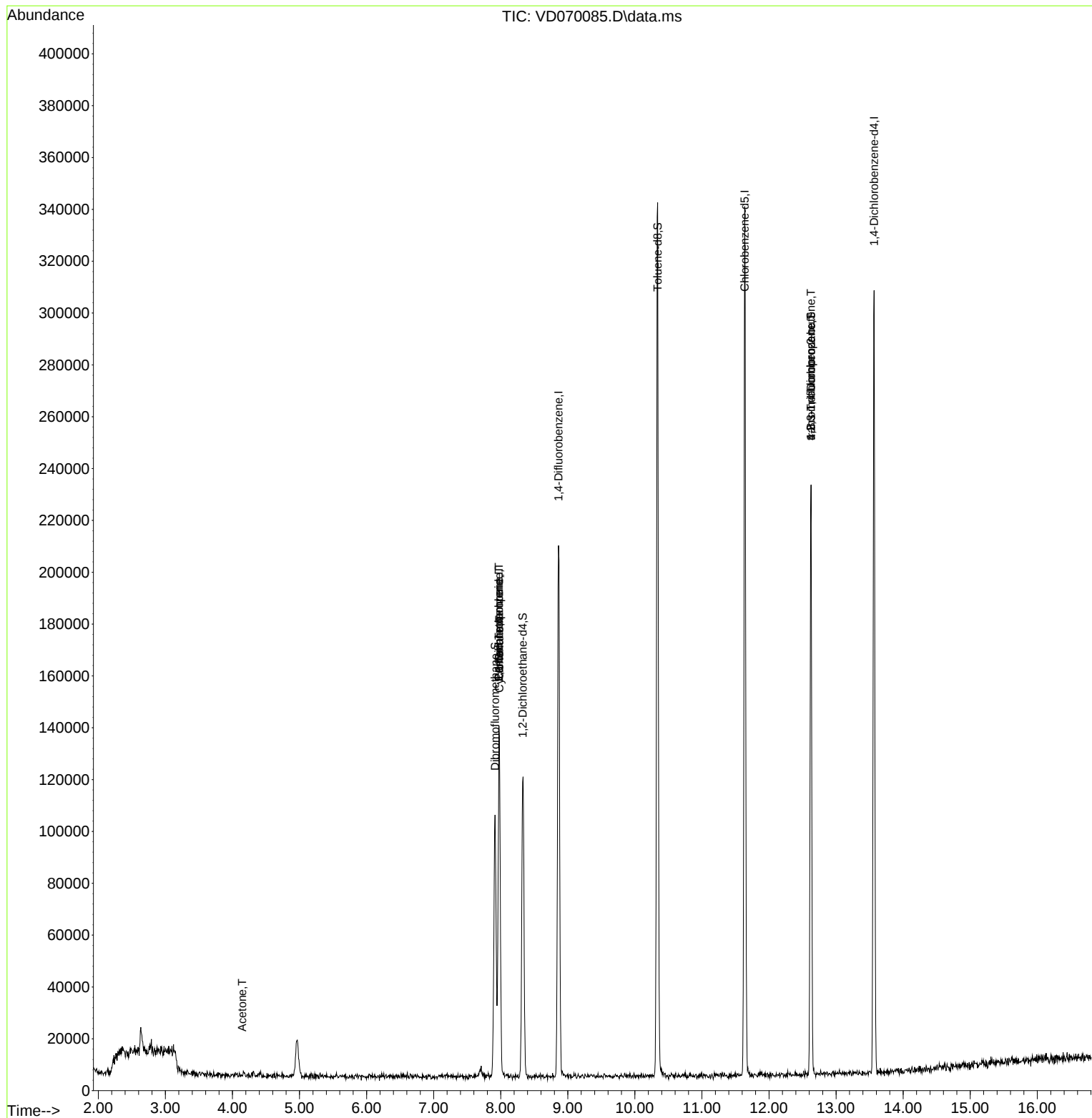
| Compound                      | R.T.           | QIon | Response             | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|-----------|--------|----------|
| -----                         |                |      |                      |           |        |          |
| Internal Standards            |                |      |                      |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 93615                | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 180979               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 193335               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567         | 152  | 83662                | 50.000    | ug/l   | 0.00     |
|                               |                |      |                      |           |        |          |
| System Monitoring Compounds   |                |      |                      |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 95206                | 86.468    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 172.940%# |           |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 75254                | 64.361    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 128.720%  |           |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 236586               | 52.023    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 104.040%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 79321                | 52.955    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 105.900%  |           |        |          |
|                               |                |      |                      |           |        |          |
| Target Compounds              |                |      |                      |           |        |          |
| 3) Chloromethane              | 2.203          | 50   | 992                  | Below Cal | #      | 81       |
| 5) Bromomethane               | 2.773          | 94   | 2576                 | Below Cal |        | 91       |
| 16) Acetone                   | 4.144          | 43   | 673                  | 3.318     | ug/l # | 41       |
| 20) Methylene Chloride        | 4.962          | 84   | 11268                | Below Cal | #      | 91       |
| 31) Cyclohexane               | 7.979          | 56   | 2574                 | 1.181     | ug/l # | 5        |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 8575                 | 4.404     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 9686                 | 5.480     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 39315                | 46.338    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 39315                | 120.275   | ug/l # | 18       |
| -----                         |                |      |                      |           |        |          |

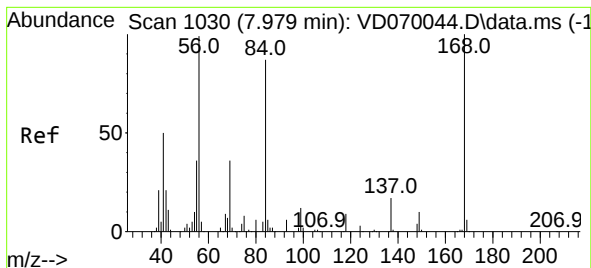
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-215RE

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Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070085.D

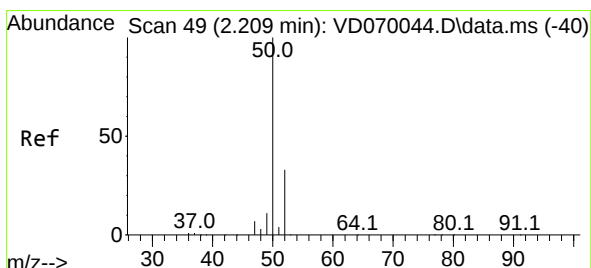
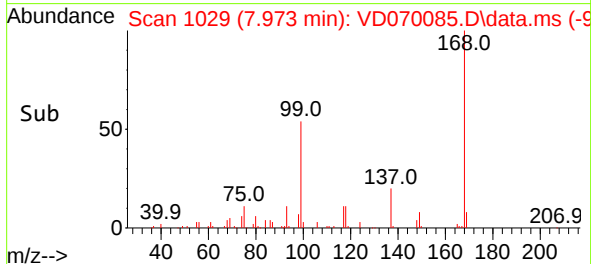
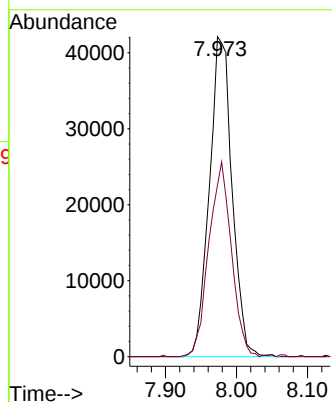
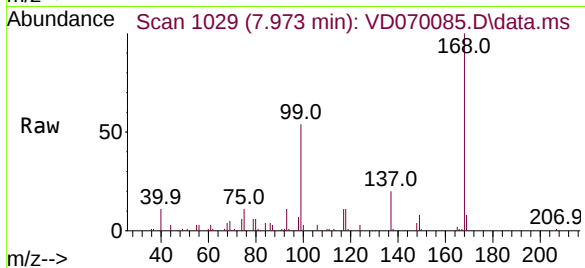
Acq: 17 Aug 2021 13:45

Tgt Ion:168 Resp: 93615

Ion Ratio Lower Upper

168 100

99 53.6 50.3 75.5



#3

Chloromethane

Concen: Below Cal

RT: 2.203 min Scan# 48

Delta R.T. -0.006 min

Lab File: VD070085.D

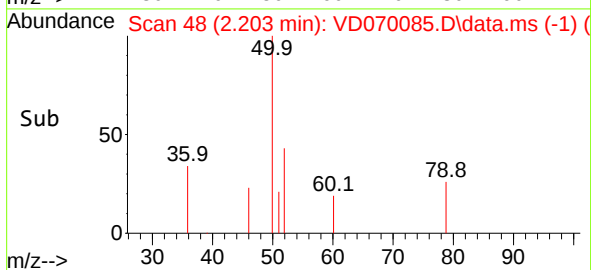
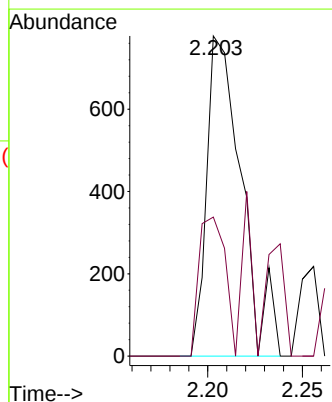
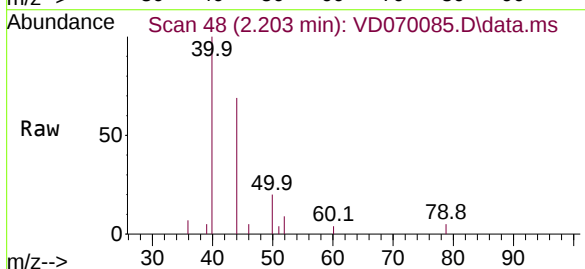
Acq: 17 Aug 2021 13:45

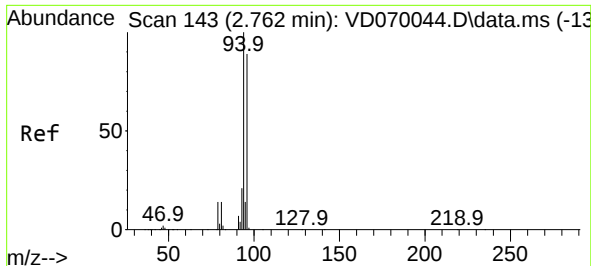
Tgt Ion: 50 Resp: 992

Ion Ratio Lower Upper

50 100

52 43.4 26.3 39.5#

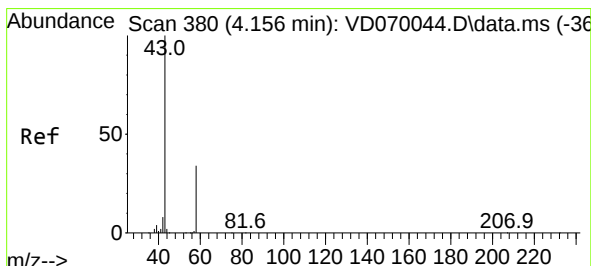
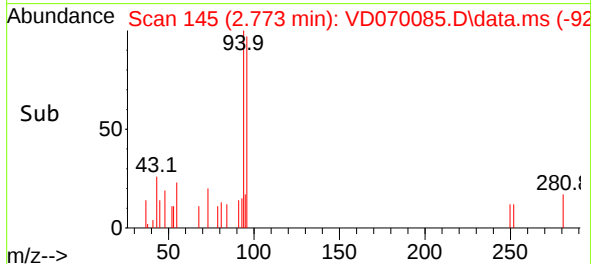
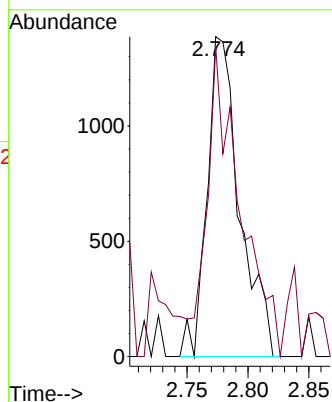
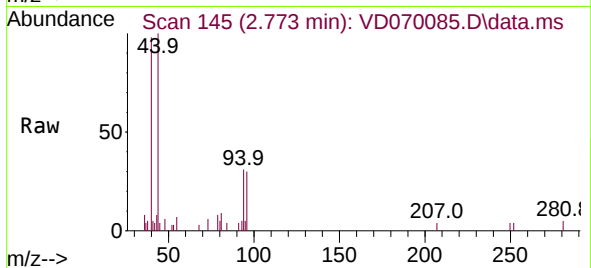




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 145  
Delta R.T. 0.011 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

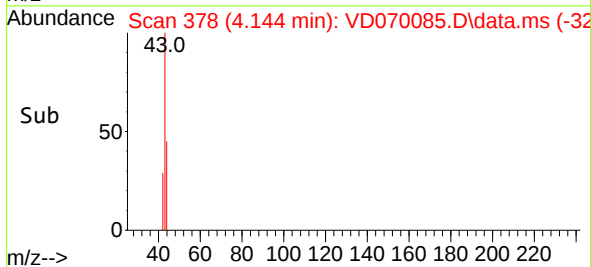
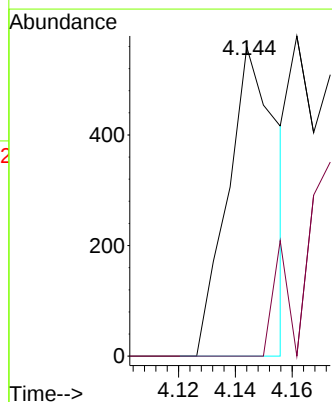
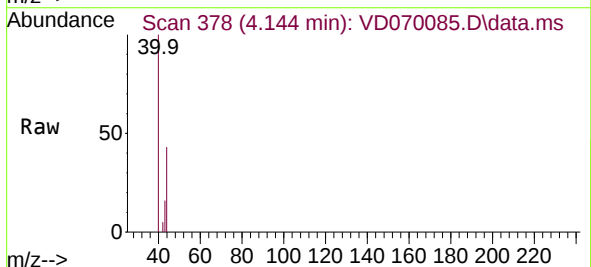
Instrument :  
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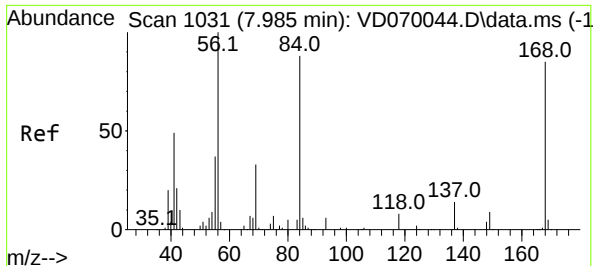
Tgt Ion: 94 Resp: 2576  
Ion Ratio Lower Upper  
94 100  
96 96.8 70.9 106.3



#16  
Acetone  
Concen: 3.318 ug/l  
RT: 4.144 min Scan# 378  
Delta R.T. -0.012 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

Tgt Ion: 43 Resp: 673  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.8 40.2#

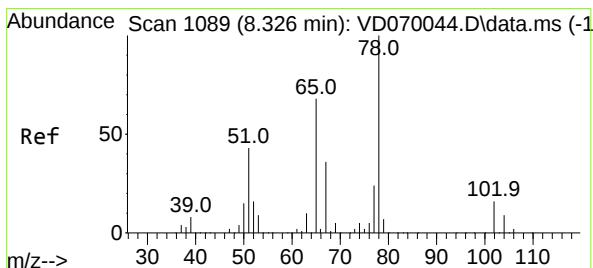
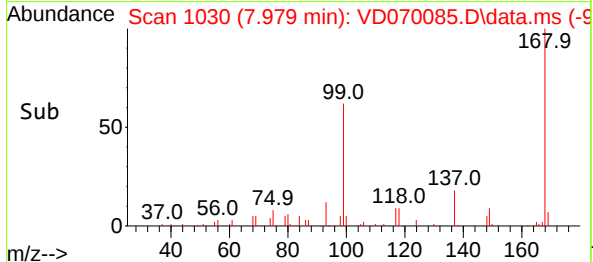
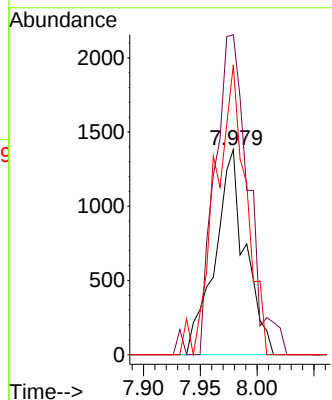
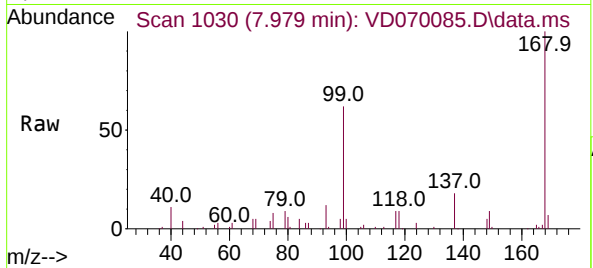




#31  
Cyclohexane  
Concen: 1.181 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

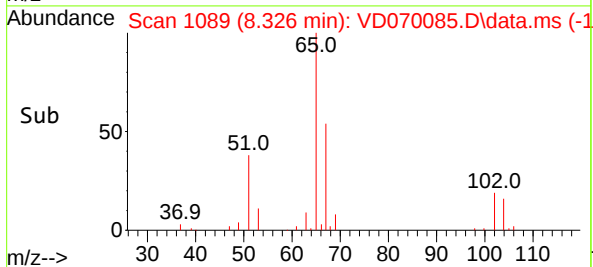
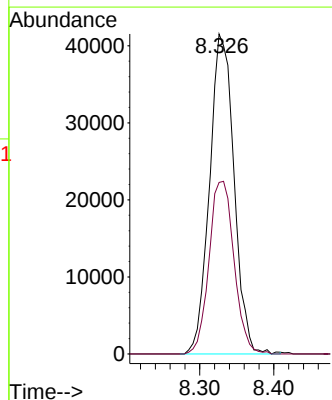
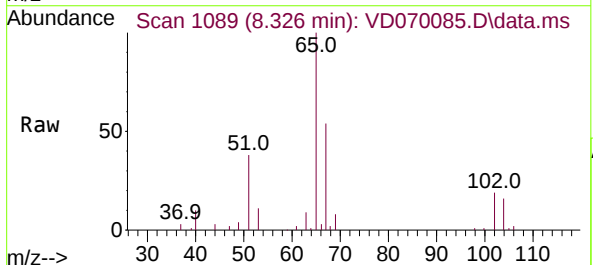
Instrument :  
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ClientSampleId :  
VNJ-215RE

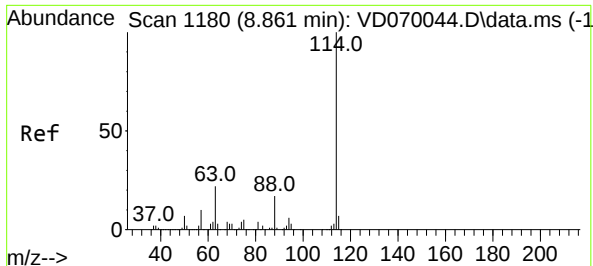
Tgt Ion: 56 Resp: 2574  
Ion Ratio Lower Upper  
56 100  
69 143.8 26.7 40.1#  
84 141.2 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 86.468 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

Tgt Ion: 65 Resp: 95206  
Ion Ratio Lower Upper  
65 100  
67 55.2 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

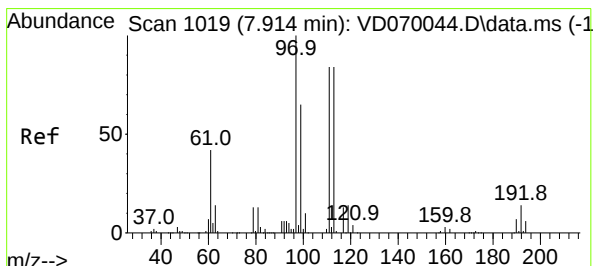
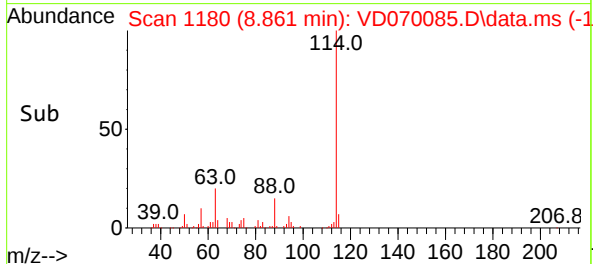
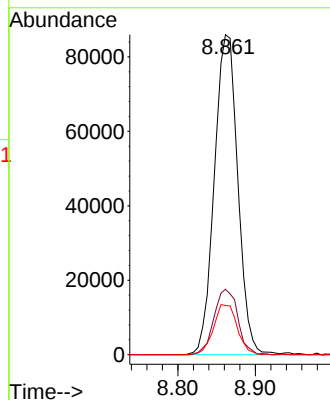
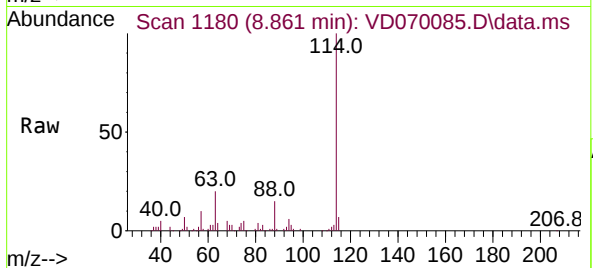
Delta R.T. 0.000 min

Lab File: VD070085.D

Acq: 17 Aug 2021 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 180979 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.5  | 0.0   | 43.6   |
| 88        | 15.4  | 0.0   | 33.4   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-215RE



#35

Dibromofluoromethane

Concen: 64.361 ug/l

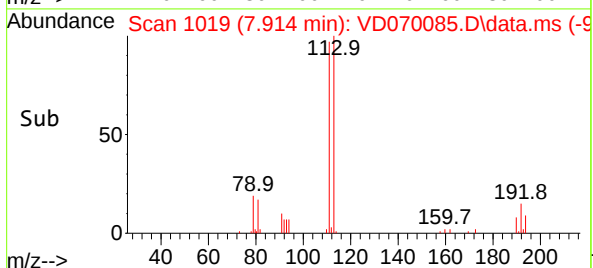
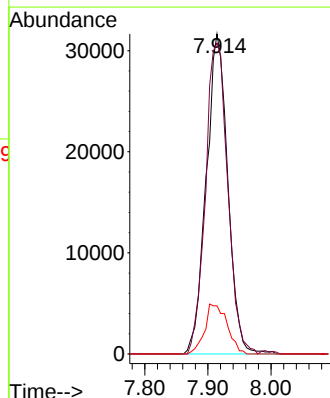
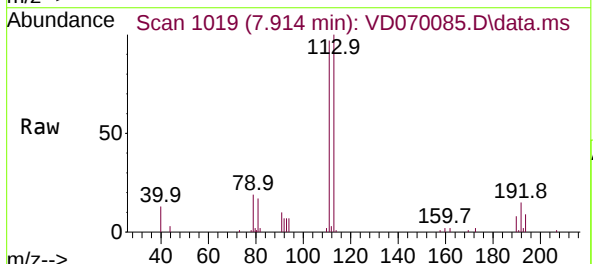
RT: 7.914 min Scan# 1019

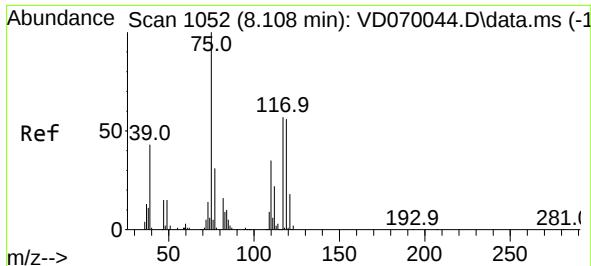
Delta R.T. 0.000 min

Lab File: VD070085.D

Acq: 17 Aug 2021 13:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 75254 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 100.1 | 81.8  | 122.6 |
| 192       | 16.1  | 13.2  | 19.8  |

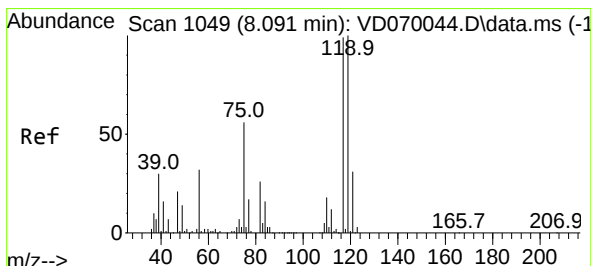
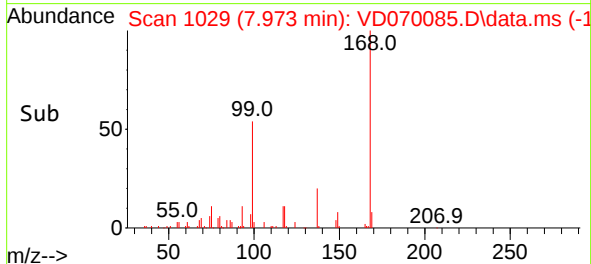
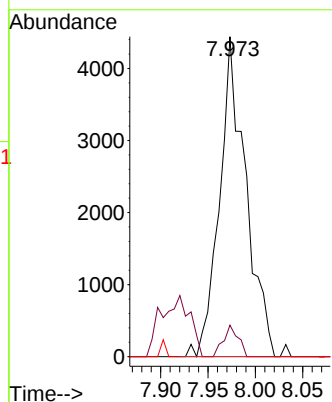
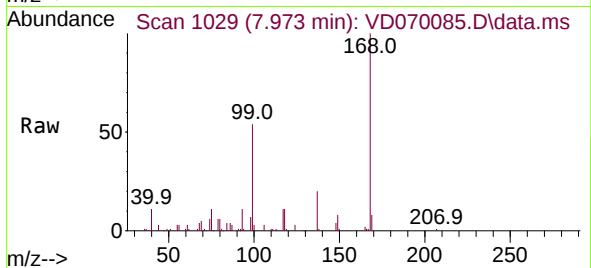




#36  
 1,1-Dichloropropene  
 Concen: 4.404 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.135 min  
 Lab File: VD070085.D  
 Acq: 17 Aug 2021 13:45

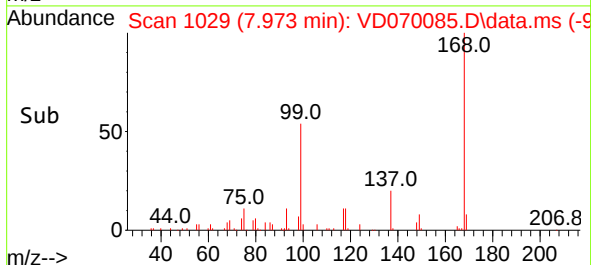
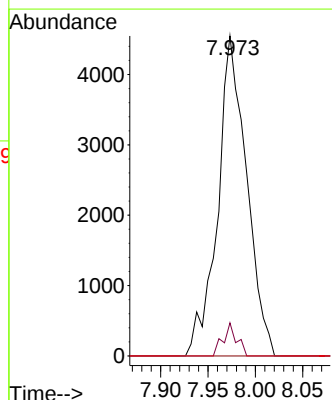
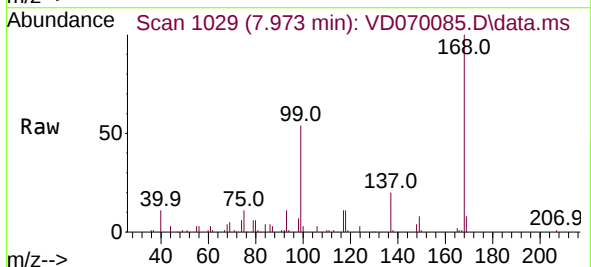
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VNJ-215RE

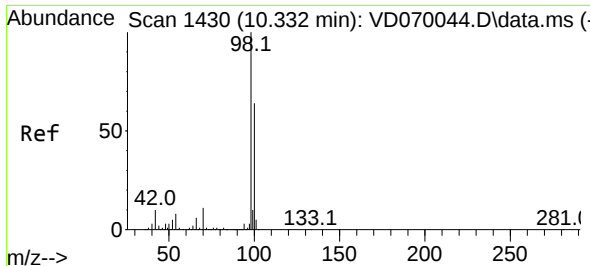
Tgt Ion: 75 Resp: 8575  
 Ion Ratio Lower Upper  
 75 100  
 110 5.6 16.9 50.7#  
 77 0.0 25.2 37.8#



#38  
 Carbon Tetrachloride  
 Concen: 5.480 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.118 min  
 Lab File: VD070085.D  
 Acq: 17 Aug 2021 13:45

Tgt Ion: 117 Resp: 9686  
 Ion Ratio Lower Upper  
 117 100  
 119 10.4 81.0 121.6#  
 121 0.0 25.0 37.6#

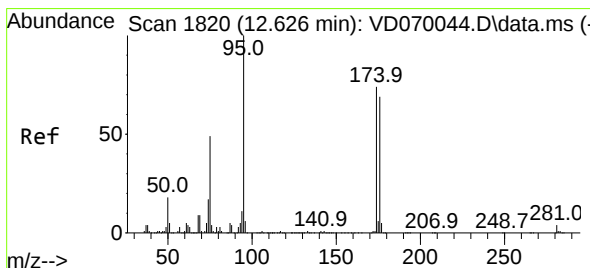
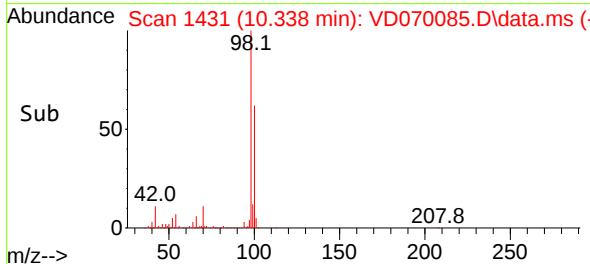
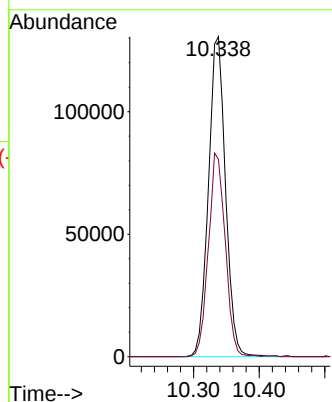
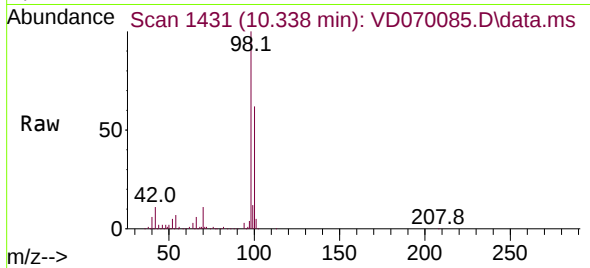




#50  
Toluene-d8  
Concen: 52.023 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

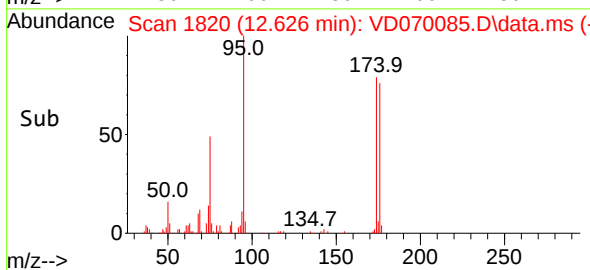
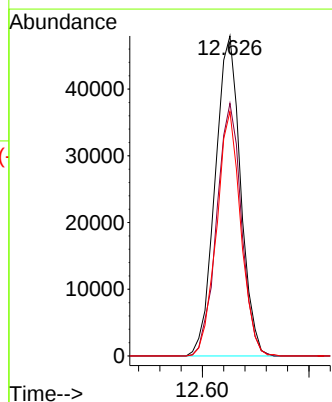
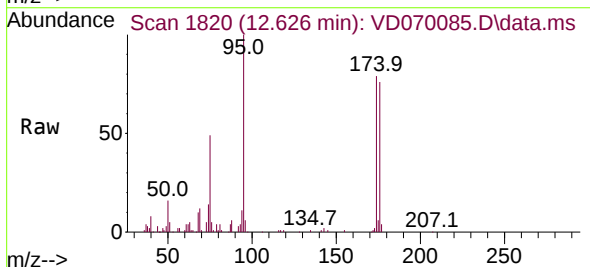
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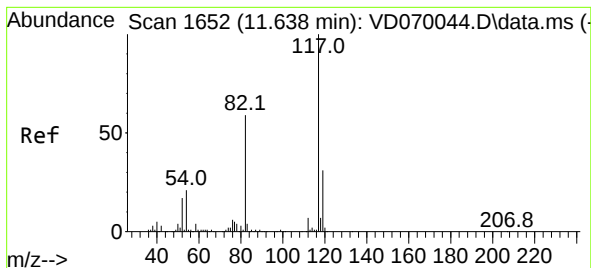
Tgt Ion: 98 Resp: 236586  
Ion Ratio Lower Upper  
98 100  
100 62.8 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 52.955 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

Tgt Ion: 95 Resp: 79321  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 141.6  
176 72.6 0.0 138.2

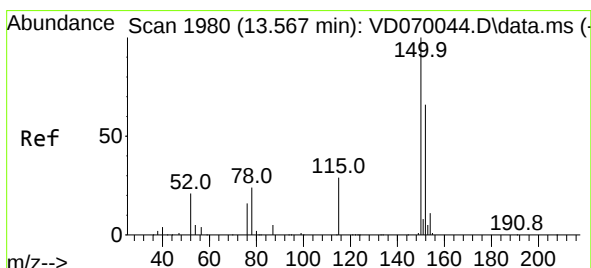
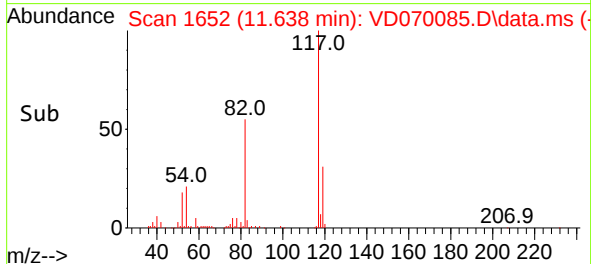
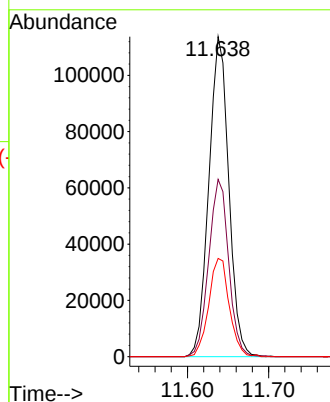
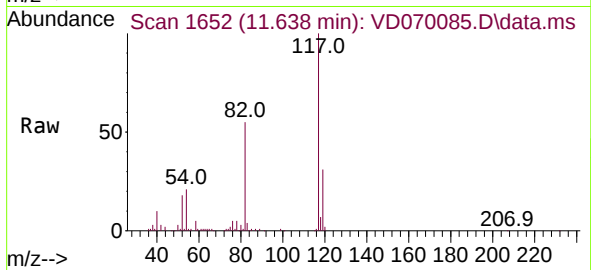




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

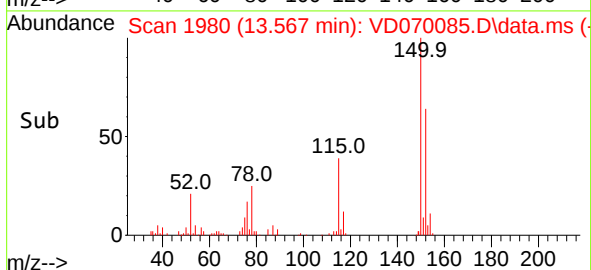
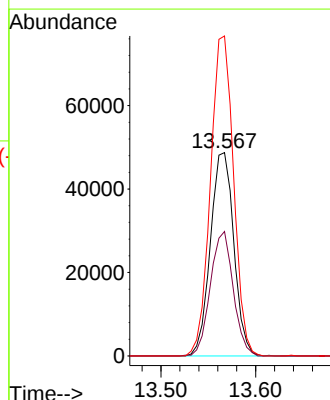
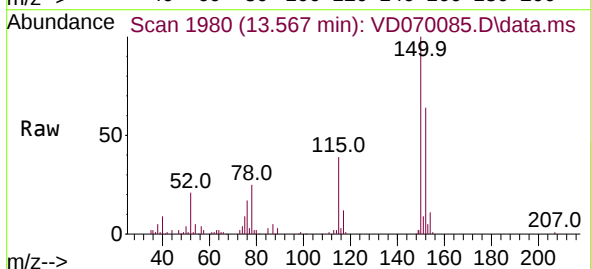
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-215RE

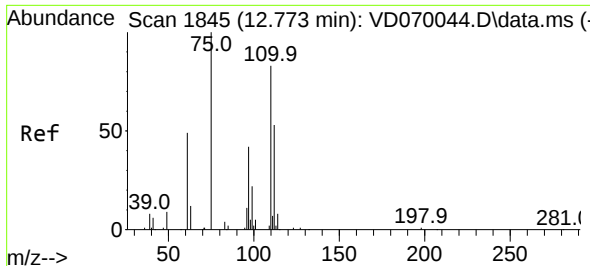
Tgt Ion:117 Resp: 193335  
Ion Ratio Lower Upper  
117 100  
82 55.4 47.5 71.3  
119 30.7 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

Tgt Ion:152 Resp: 83662  
Ion Ratio Lower Upper  
152 100  
115 59.7 31.2 93.6  
150 155.2 0.0 352.0

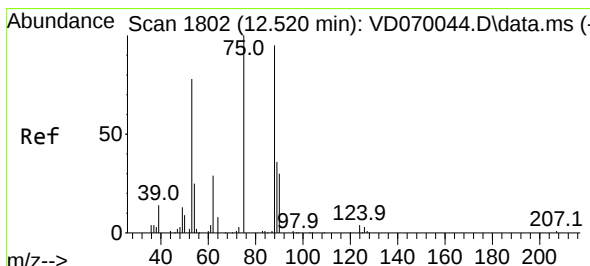
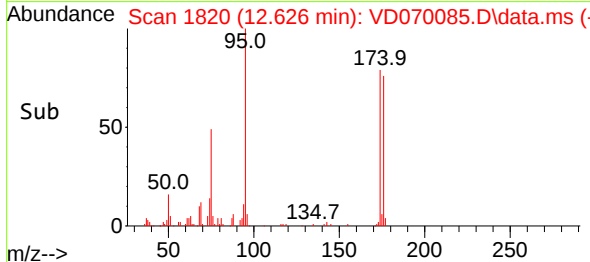
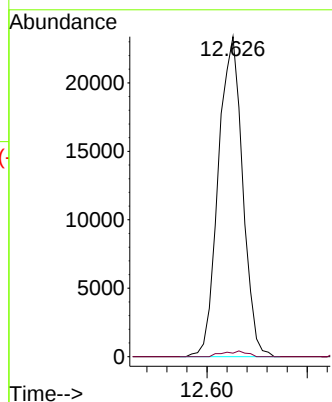
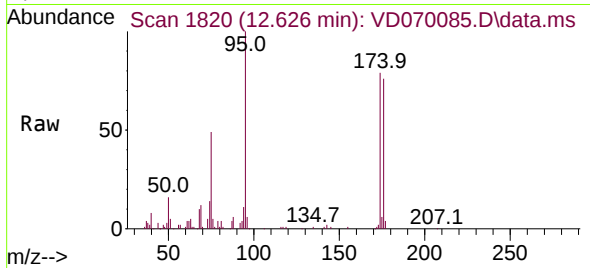




#76  
1,2,3-Trichloropropane  
Concen: 46.338 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-215RE

Tgt Ion: 75 Resp: 39315  
Ion Ratio Lower Upper  
75 100  
77 1.7 182.4 547.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.275 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070085.D  
Acq: 17 Aug 2021 13:45

Tgt Ion: 75 Resp: 39315  
Ion Ratio Lower Upper  
75 100  
53 0.4 64.5 96.7#  
89 0.0 33.7 50.5#

