

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\  
 Data File : VD067489.D  
 Acq On : 02 Nov 2020 14:09  
 Operator : VA/SY  
 Sample : L4222-06  
 Misc : 7.67G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-102920

Quant Time: Nov 03 00:28:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D101320S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 19 19:13:29 2020  
 Response via : Initial Calibration

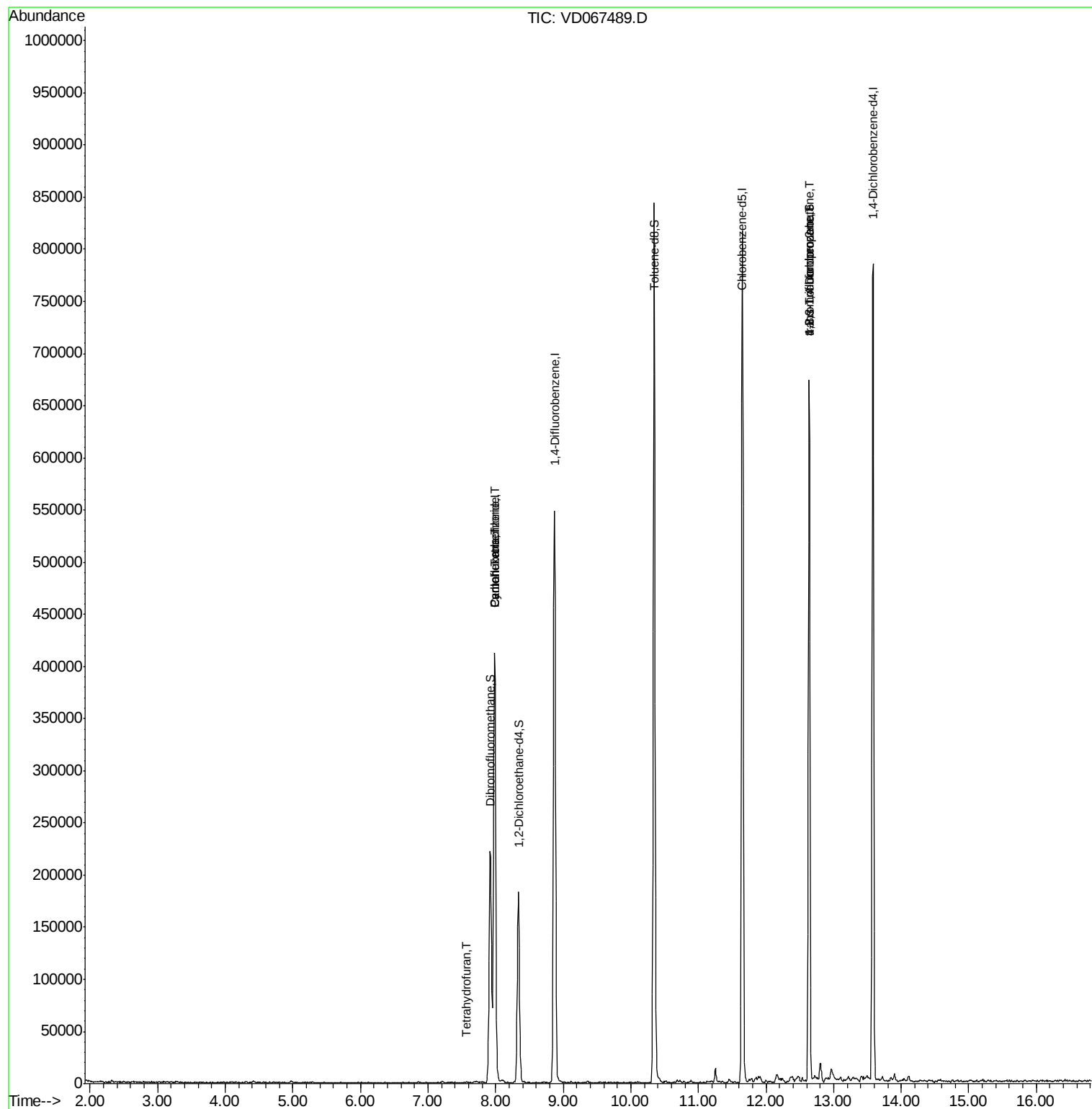
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.99  | 168  | 314594   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.87  | 114  | 514771   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.65 | 117  | 497373   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.58 | 152  | 224403   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.34  | 65   | 157913   | 50.10     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 100.20% |          |
| 35) Dibromofluoromethane       | 7.92  | 113  | 161635   | 47.18     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 94.36%  |          |
| 50) Toluene-d8                 | 10.34 | 98   | 588831   | 47.50     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 95.00%  |          |
| 62) 4-Bromofluorobenzene       | 12.64 | 95   | 214588   | 49.78     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 99.56%  |          |
| Target Compounds               |       |      |          |           |         |          |
| 2) Dichlorodifluoromethane     | 1.99  | 85   | 568      | Below Cal |         | 98       |
| 5) Bromomethane                | 2.77  | 94   | 95       | Below Cal | #       | 3        |
| 20) Methylene Chloride         | 4.97  | 84   | 894      | Below Cal | #       | 82       |
| 29) Tetrahydrofuran            | 7.57  | 42   | 579      | 2.070     | ug/l #  | 43       |
| 31) Cyclohexane                | 7.99  | 56   | 6621     | 1.824     | ug/l #  | 13       |
| 38) Carbon Tetrachloride       | 7.99  | 117  | 32675    | 5.860     | ug/l #  | 18       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 109504   | 70.406    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 109504   | 159.660   | ug/l #  | 10       |

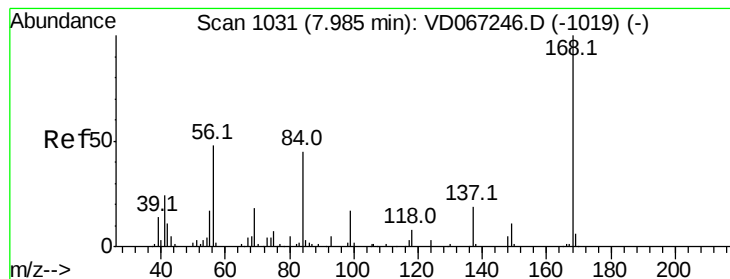
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110220\  
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Instrument :  
MSVOA\_D  
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EO-02-102920

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Quant Title : SW846 8260  
QLast Update : Mon Oct 19 19:13:29 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Instrument :

MSVOA\_D

ClientSampleId :

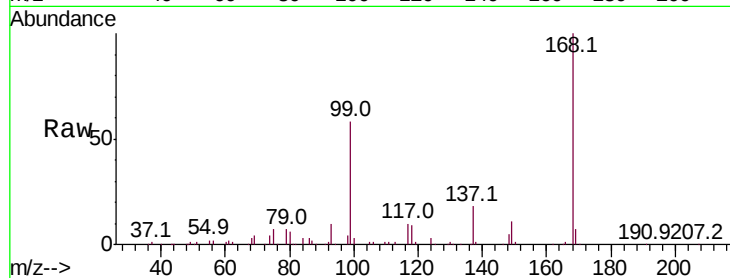
EO-02-102920

Tot Ion:168 Resp: 314594

Ion Ratio Lower Upper

168 100

99 57.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

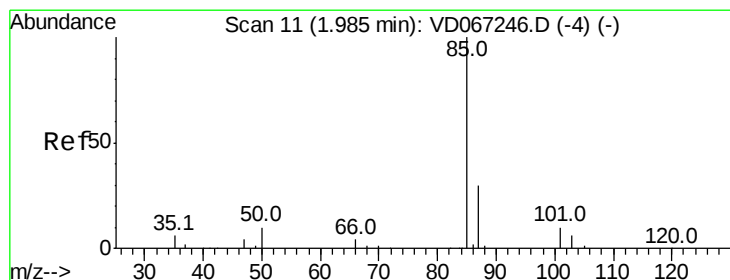
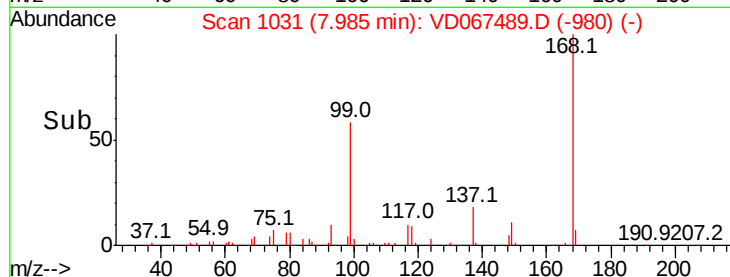
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067489.D

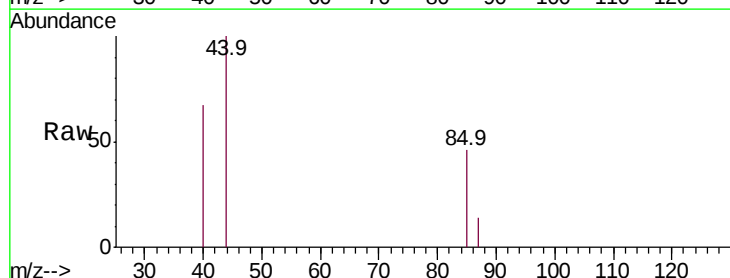
Acq: 02 Nov 2020 14:09

Tgt Ion: 85 Resp: 568

Ion Ratio Lower Upper

85 100

87 31.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

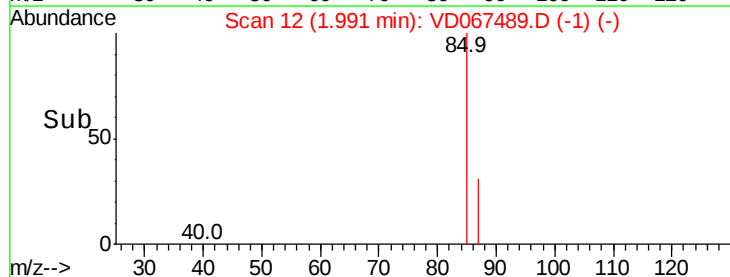
600

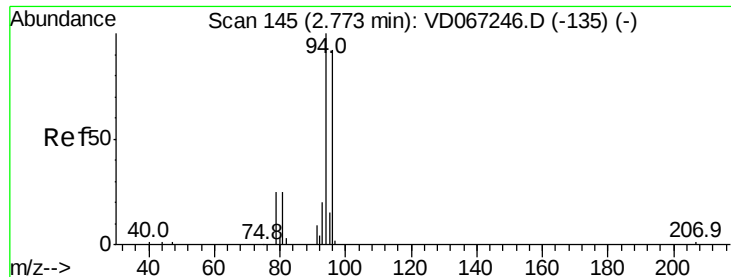
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Instrument :

MSVOA\_D

ClientSampleId :

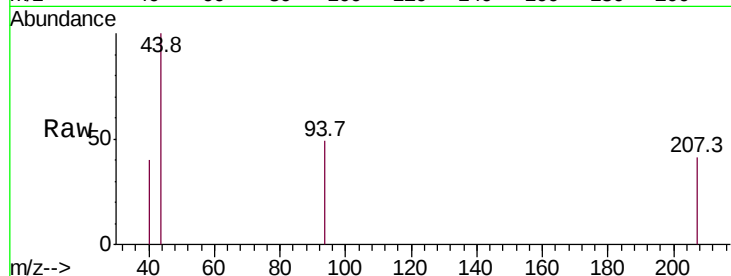
EO-02-102920

Tot Ion: 94 Resp: 95

Ion Ratio Lower Upper

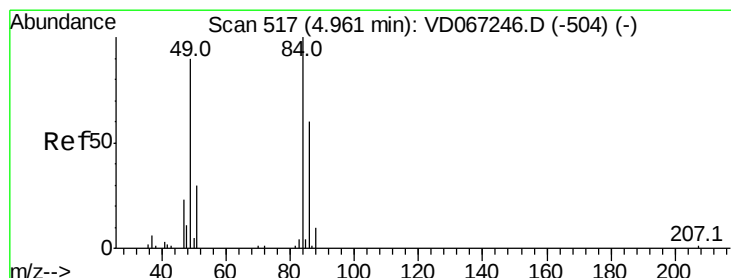
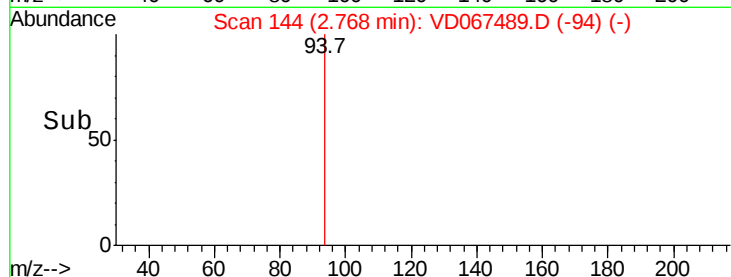
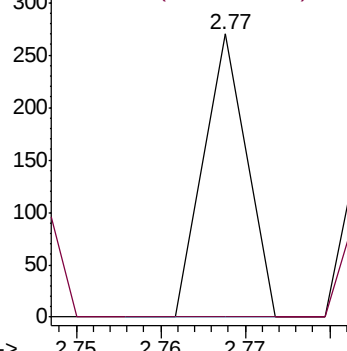
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Tgt Ion: 84 Resp: 894

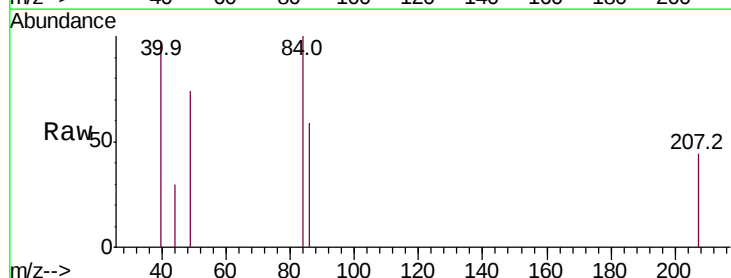
Ion Ratio Lower Upper

84 100

49 73.7 72.2 108.2

51 0.0 23.8 35.8#

86 59.2 48.2 72.4

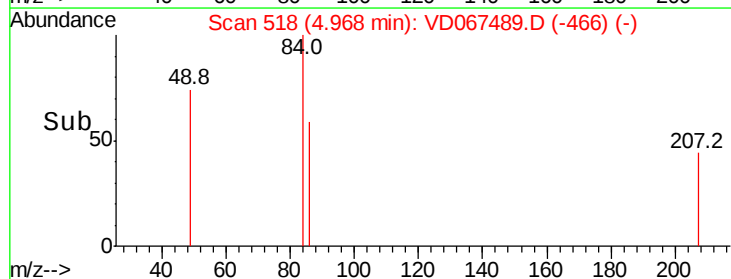
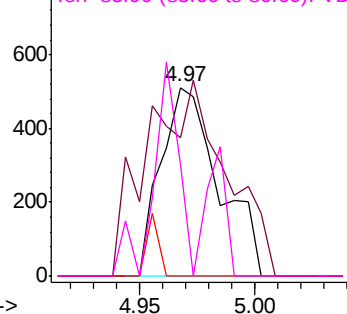


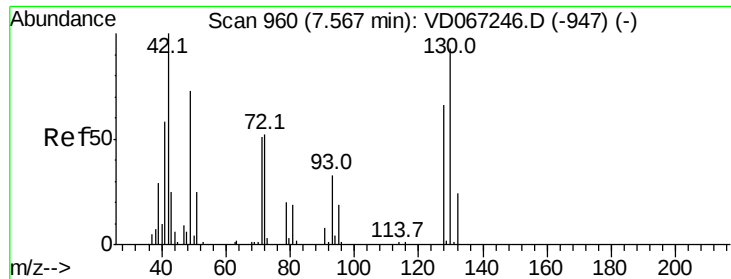
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

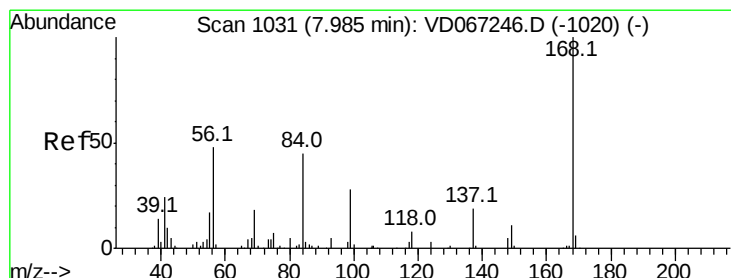
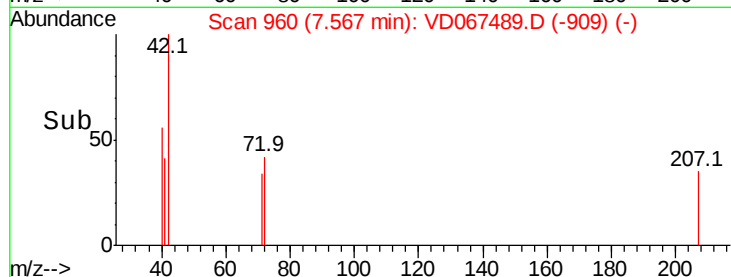
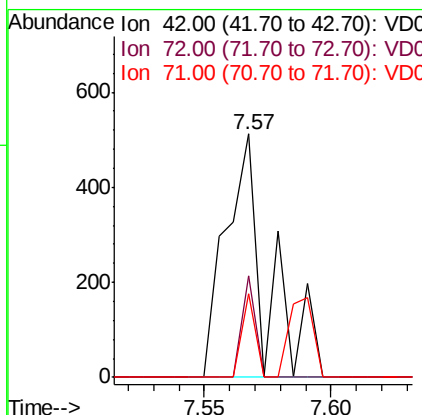
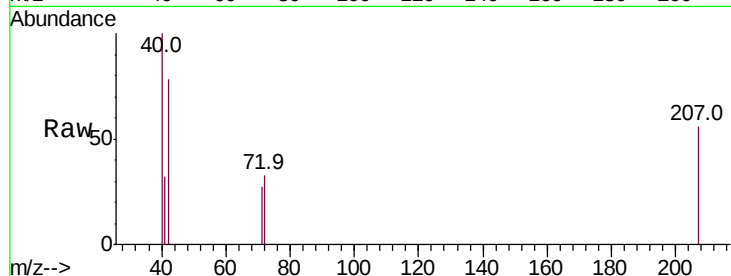




#29  
Tetrahydrofuran  
Concen: 2.070 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. 0.00 min  
Lab File: VD067489.D  
Acq: 02 Nov 2020 14:09

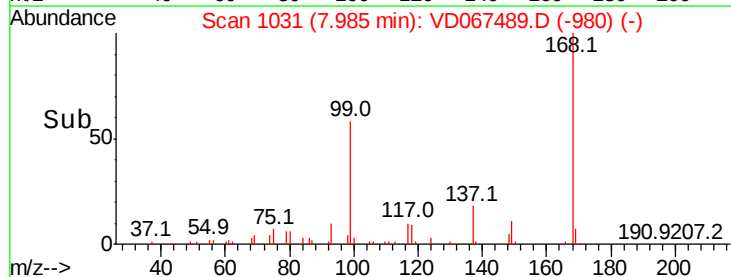
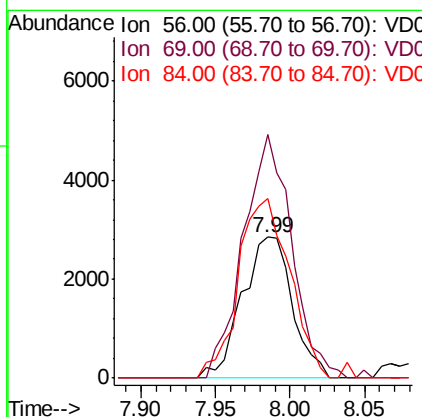
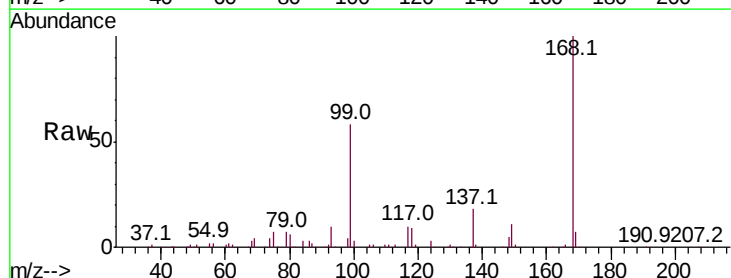
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-102920

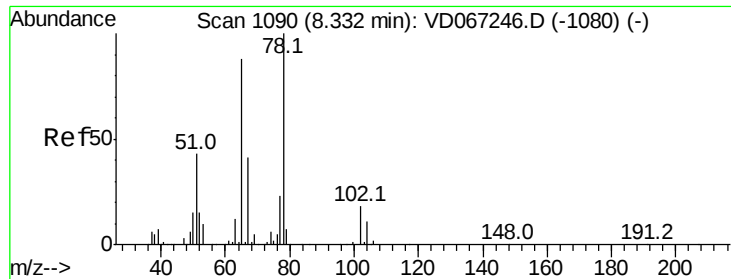
Tot Ion: 42 Resp: 579  
Ion Ratio Lower Upper  
42 100  
72 13.0 43.2 64.8#  
71 10.7 39.4 59.0#



#31  
Cyclohexane  
Concen: 1.824 ug/l  
RT: 7.99 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD067489.D  
Acq: 02 Nov 2020 14:09

Tgt Ion: 56 Resp: 6621  
Ion Ratio Lower Upper  
56 100  
69 172.7 29.8 44.6#  
84 127.3 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 50.103 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Instrument :

MSVOA\_D

ClientSampleId :

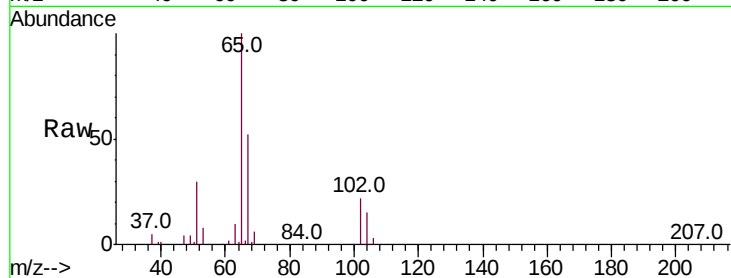
EO-02-102920

Tot Ion: 65 Resp: 157913

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

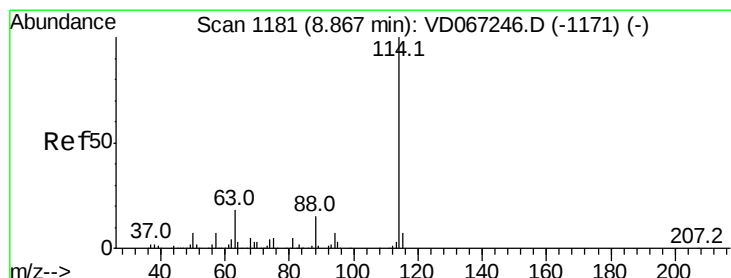
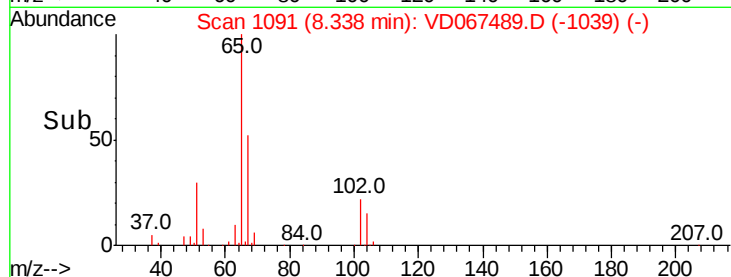
40000

20000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

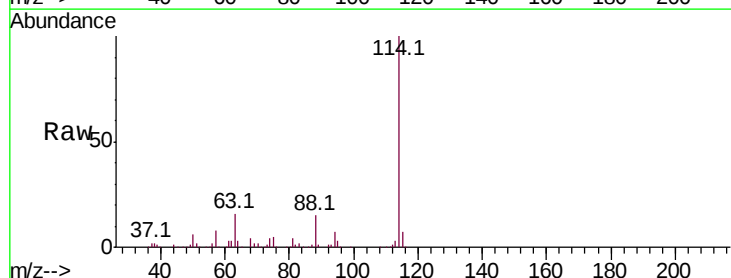
Tgt Ion: 114 Resp: 514771

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

88 15.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

300000

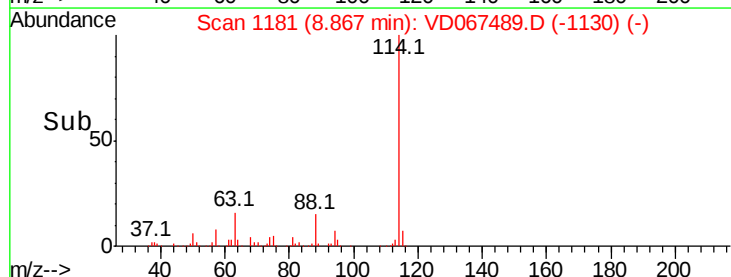
200000

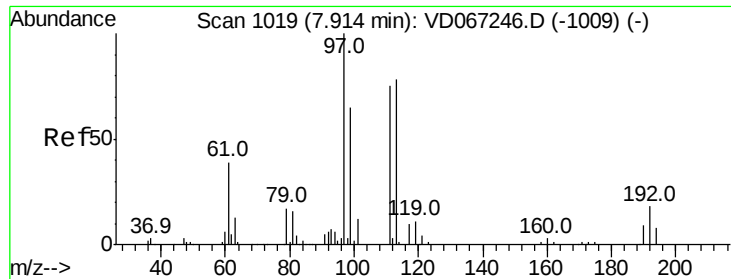
100000

0

8.80 8.90 9.00

Time-->

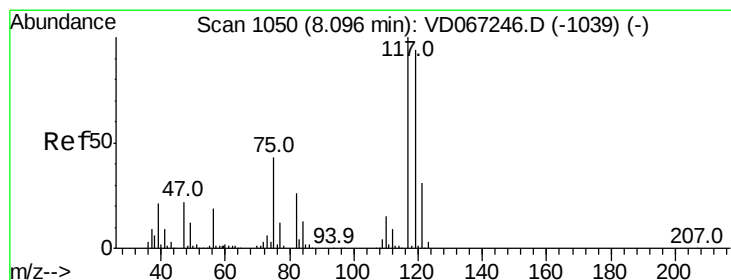
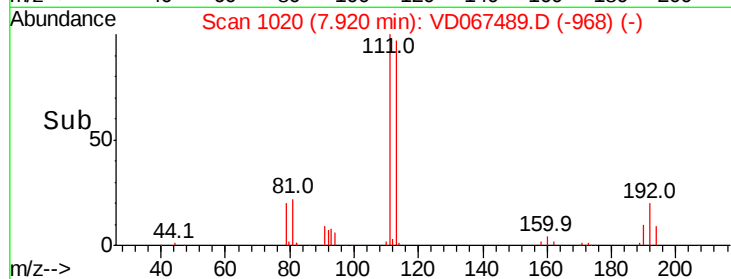
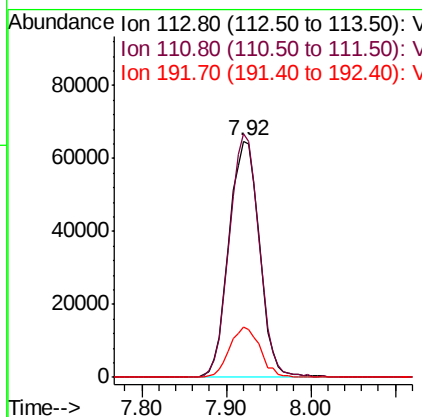
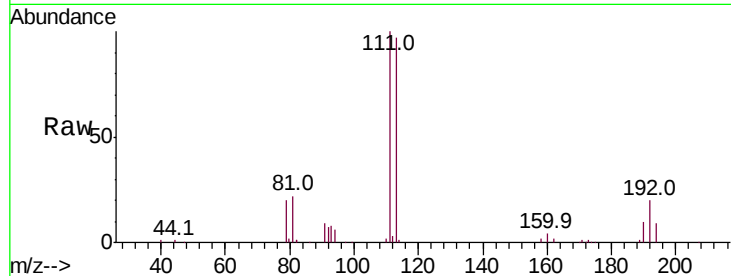




#35  
 Dibromofluoromethane  
 Concen: 47.182 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VD067489.D  
 Acq: 02 Nov 2020 14:09

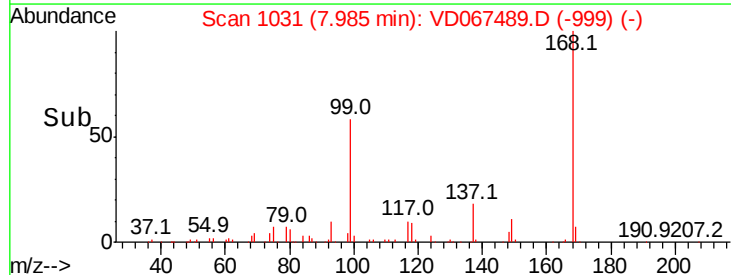
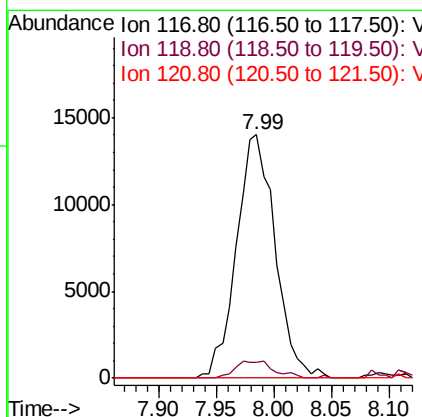
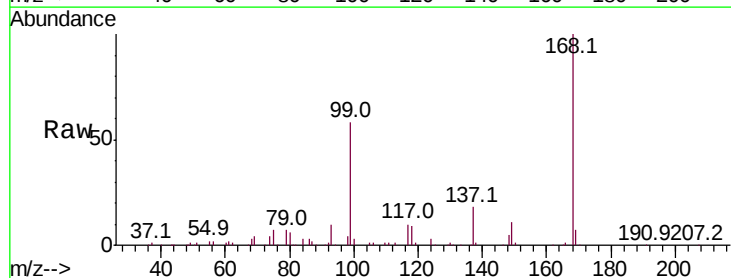
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-102920

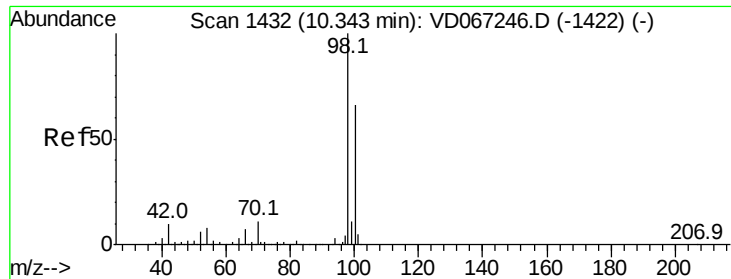
Tot Ion:113 Resp: 161635  
 Ion Ratio Lower Upper  
 113 100  
 111 100.8 81.6 122.4  
 192 21.0 17.0 25.4



#38  
 Carbon Tetrachloride  
 Concen: 5.860 ug/l  
 RT: 7.99 min Scan# 1031  
 Delta R.T. -0.11 min  
 Lab File: VD067489.D  
 Acq: 02 Nov 2020 14:09

Tgt Ion:117 Resp: 32675  
 Ion Ratio Lower Upper  
 117 100  
 119 6.3 75.0 112.4#  
 121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 47.495 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Instrument :

MSVOA\_D

ClientSampleId :

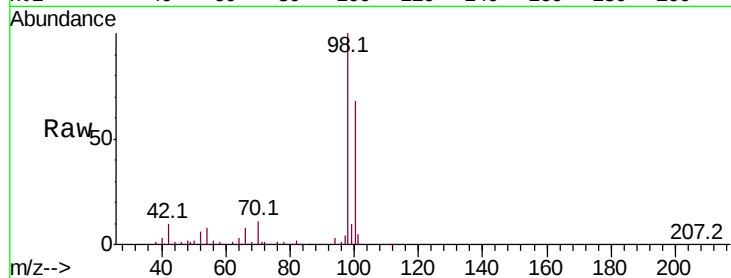
EO-02-102920

Tot Ion: 98 Resp: 588831

Ion Ratio Lower Upper

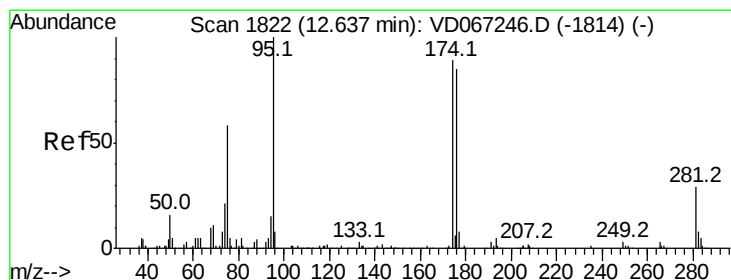
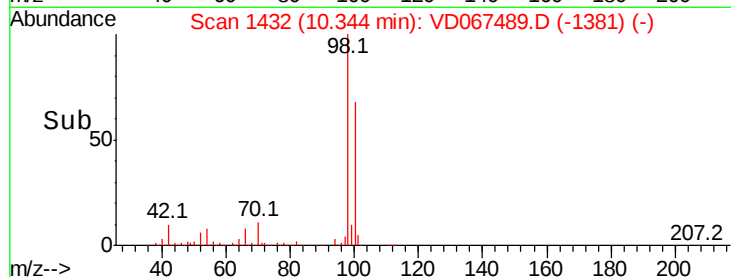
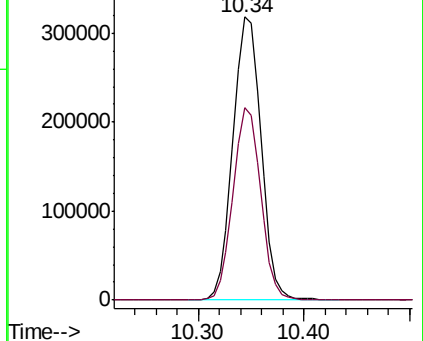
98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.777 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

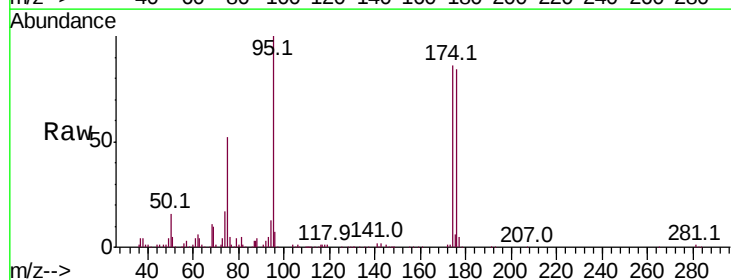
Tgt Ion: 95 Resp: 214588

Ion Ratio Lower Upper

95 100

174 87.0 0.0 175.2

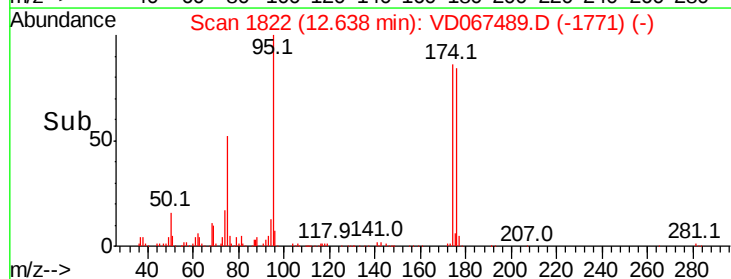
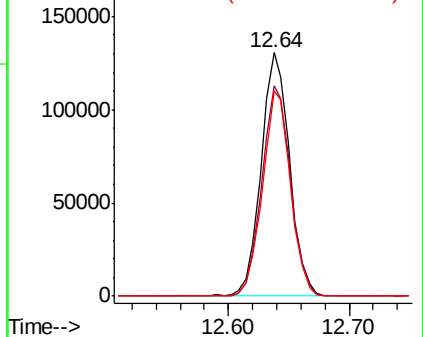
176 82.7 0.0 168.6

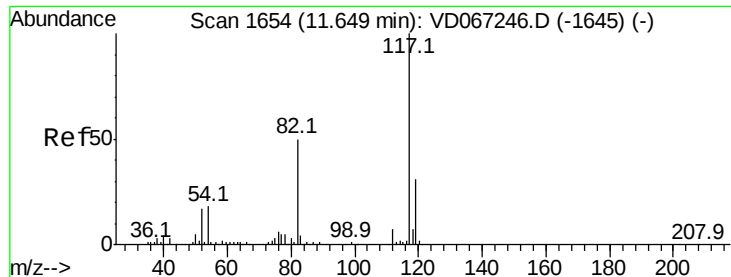


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

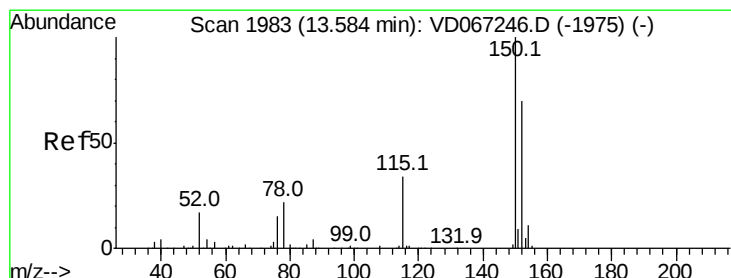
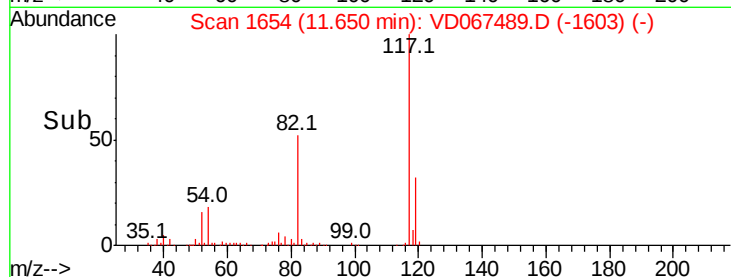
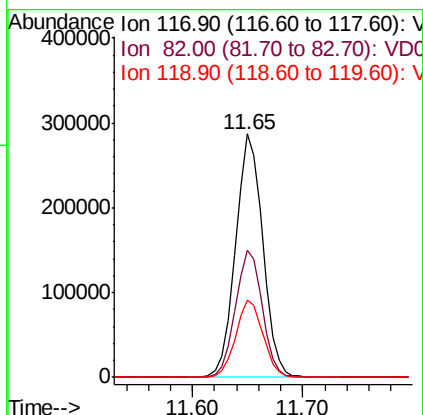
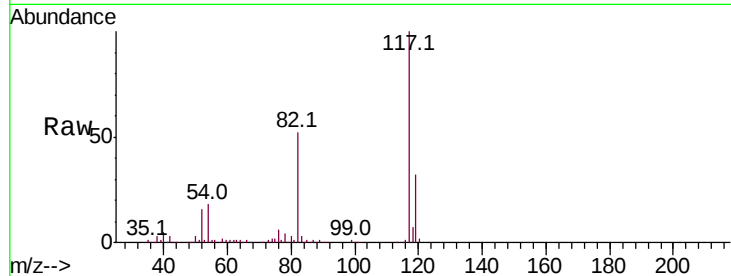




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067489.D  
Acq: 02 Nov 2020 14:09

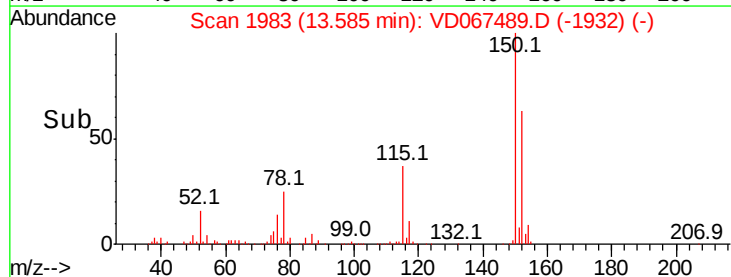
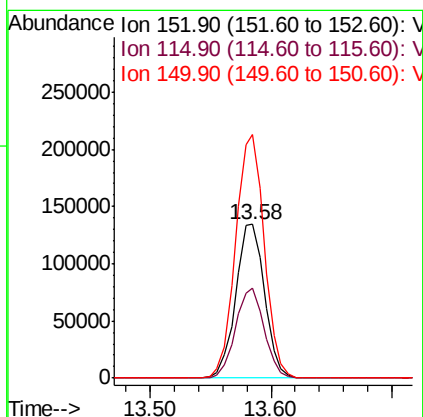
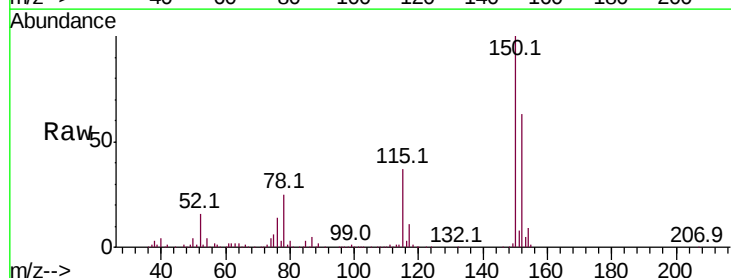
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-102920

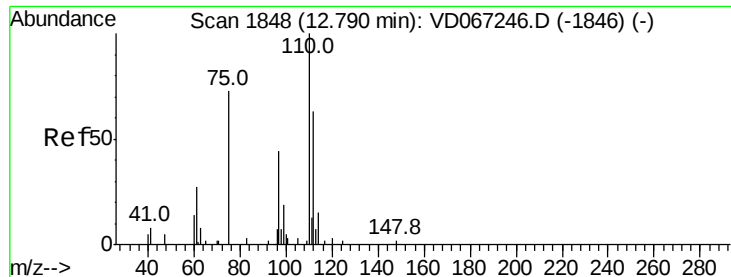
Tot Ion:117 Resp: 497373  
Ion Ratio Lower Upper  
117 100  
82 52.1 39.9 59.9  
119 31.7 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD067489.D  
Acq: 02 Nov 2020 14:09

Tgt Ion:152 Resp: 224403  
Ion Ratio Lower Upper  
152 100  
115 57.9 29.3 87.9  
150 156.7 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 70.406 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Instrument :

MSVOA\_D

ClientSampleId :

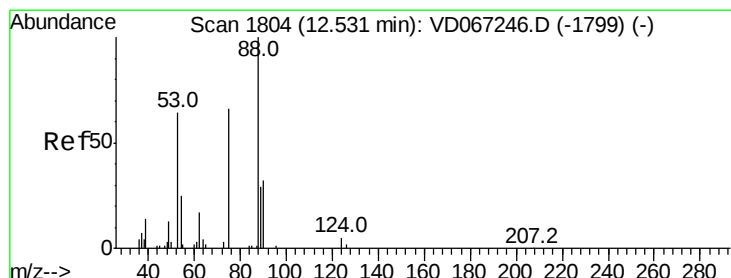
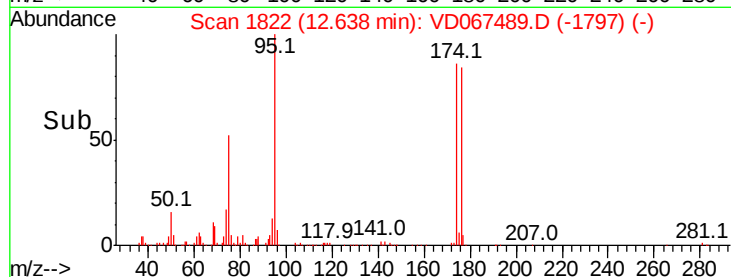
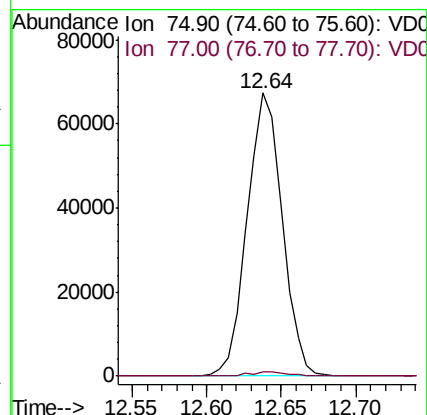
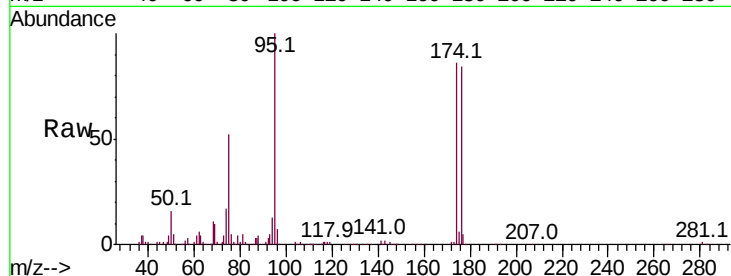
EO-02-102920

Tot Ion: 75 Resp: 109504

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 159.660 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067489.D

Acq: 02 Nov 2020 14:09

Tgt Ion: 75 Resp: 109504

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 39.9 59.9#

