

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067886.D
 Acq On : 04 Dec 2020 15:31
 Operator : VA/SY
 Sample : L4599-01RE
 Misc : 6.88G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-034-IDWSO-20201203RE

Quant Time: Dec 04 23:50:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	204111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	265412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	215507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	91849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	76021	34.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.38%
35) Dibromofluoromethane	7.92	113	74163	41.76	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.52%
50) Toluene-d8	10.34	98	296057	46.31	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.62%
62) 4-Bromofluorobenzene	12.64	95	78971	35.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.46%

Target Compounds

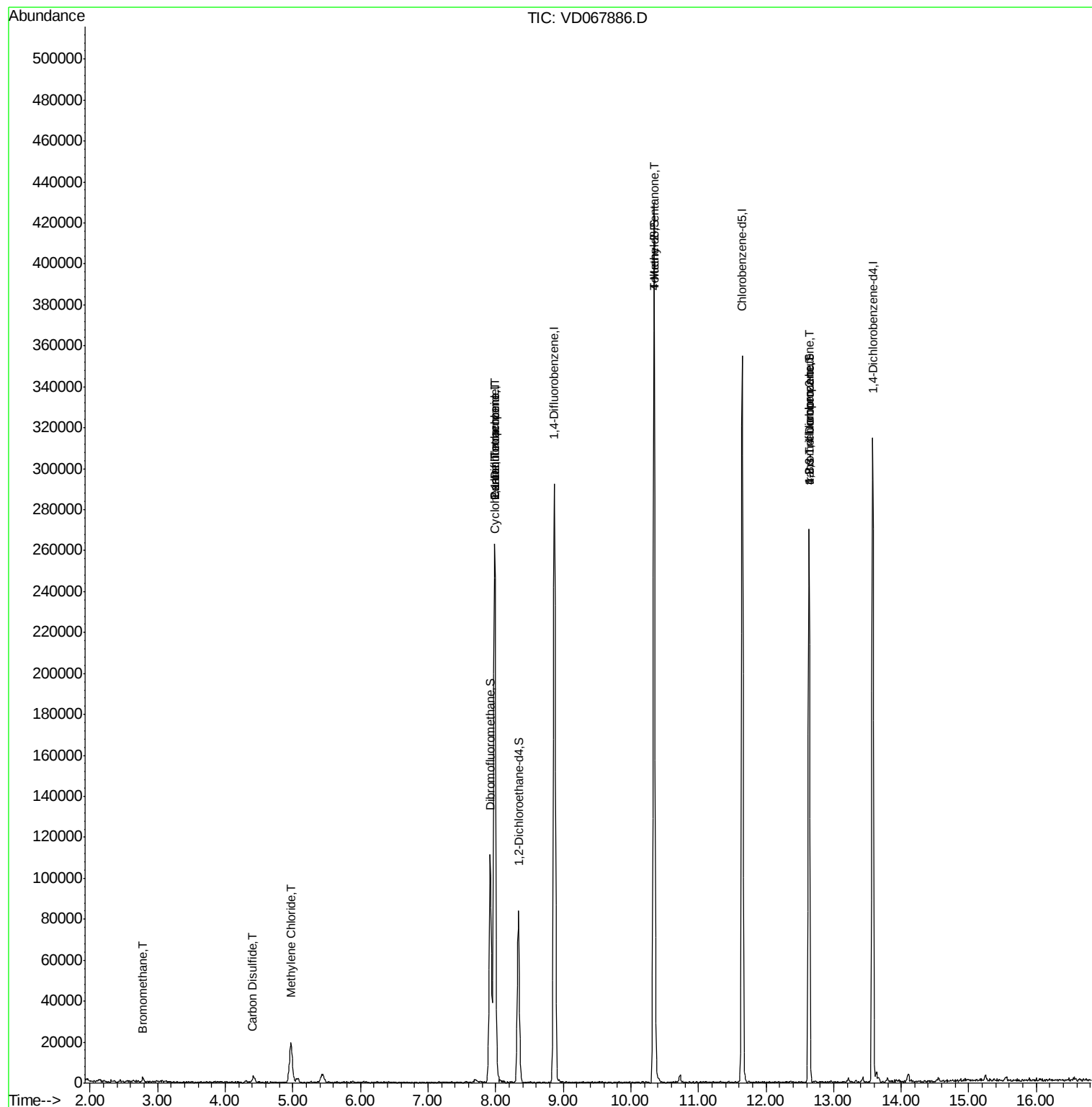
					Qvalue	
5) Bromomethane	2.79	94	1488	1.291	ug/l #	80
17) Carbon Disulfide	4.41	76	6675	1.414	ug/l #	74
20) Methylene Chloride	4.97	84	16739	5.923	ug/l #	96
31) Cyclohexane	8.00	56	3630	1.572	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	12459	5.422	ug/l #	52
38) Carbon Tetrachloride	7.99	117	20081	5.776	ug/l #	12
51) 4-Methyl-2-Pentanone	10.34	43	808	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	41546	62.113	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	41546	148.581	ug/l #	7

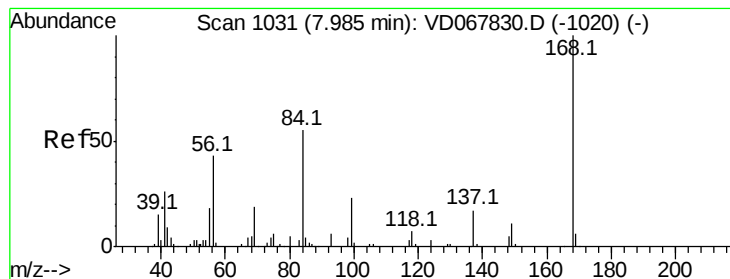
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120420\
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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TT-034-IDWSO-20201203RE

Quant Time: Dec 04 23:50:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

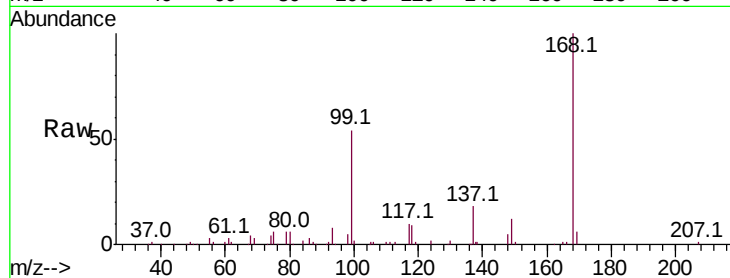
TT-034-IDWSO-20201203RE

Tot Ion:168 Resp: 204111

Ion Ratio Lower Upper

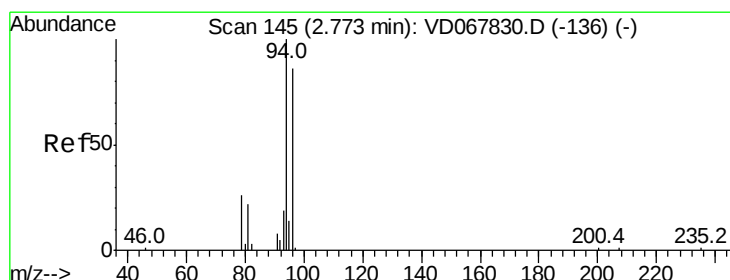
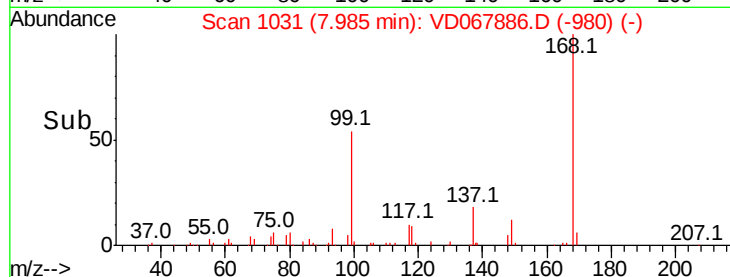
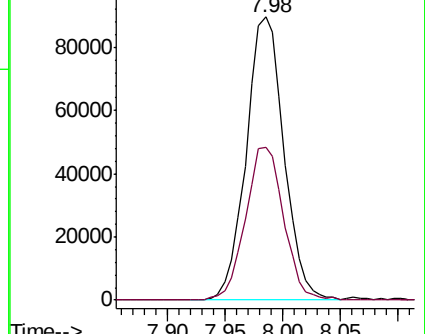
168 100

99 54.2 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.291 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067886.D

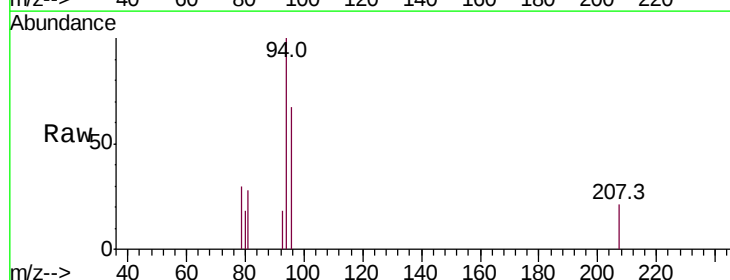
Acq: 04 Dec 2020 15:31

Tgt Ion: 94 Resp: 1488

Ion Ratio Lower Upper

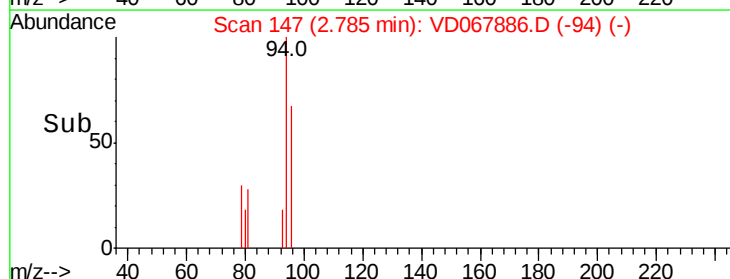
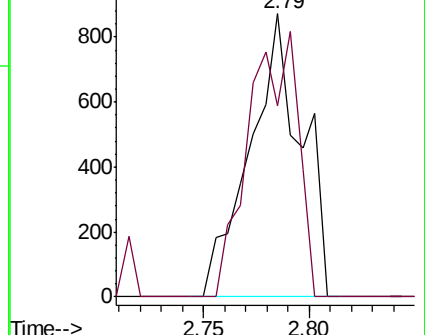
94 100

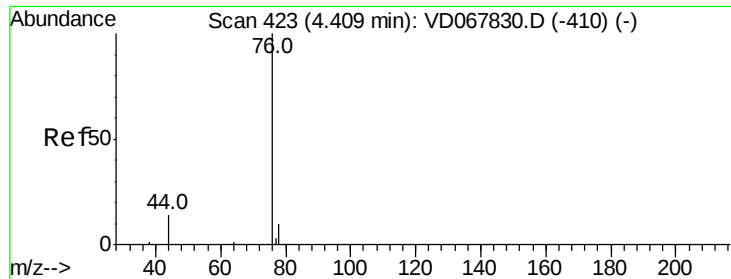
96 67.4 68.7 103.1#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#17

Carbon Disulfide

Concen: 1.414 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

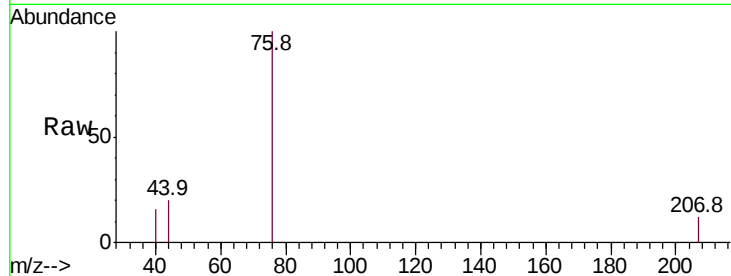
TT-034-IDWSO-20201203RE

Tot Ion: 76 Resp: 6675

Ion Ratio Lower Upper

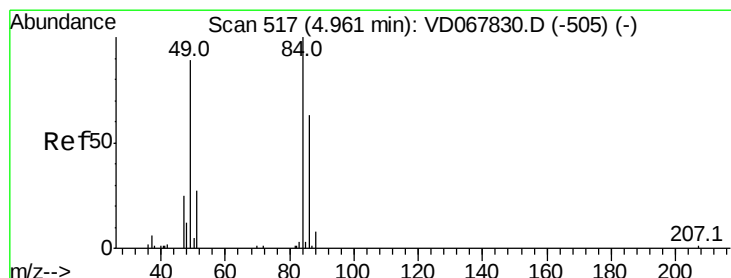
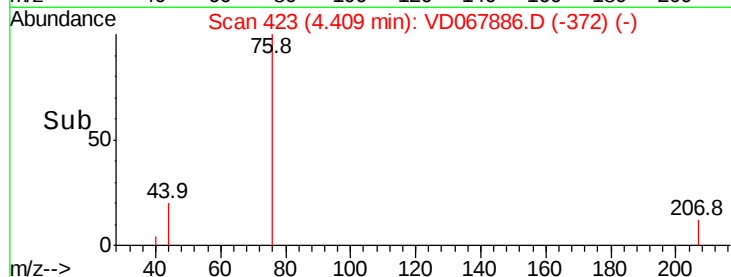
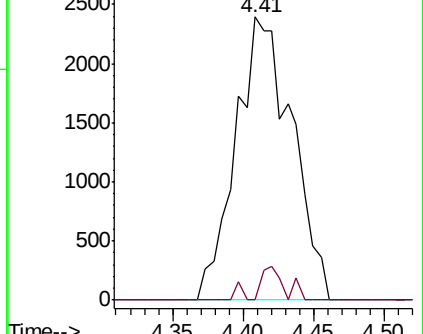
76 100

78 0.0 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 5.923 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

Tgt Ion: 84 Resp: 16739

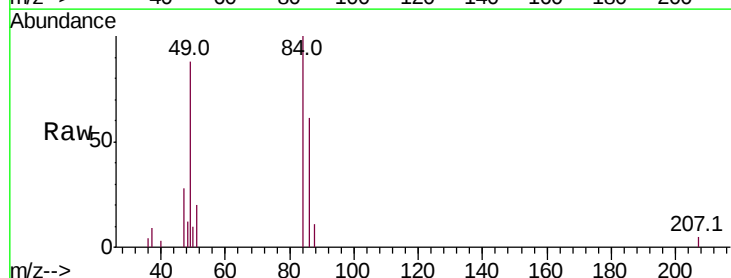
Ion Ratio Lower Upper

84 100

49 88.1 71.4 107.0

51 20.1 21.8 32.8#

86 60.8 50.6 75.8

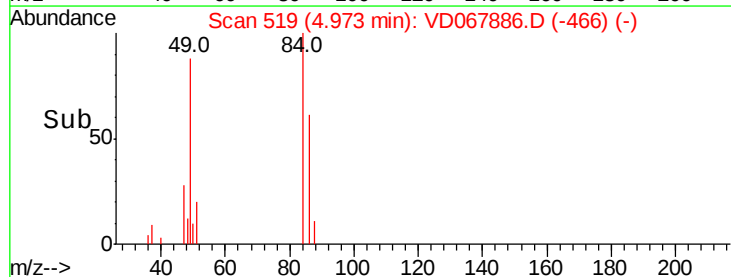
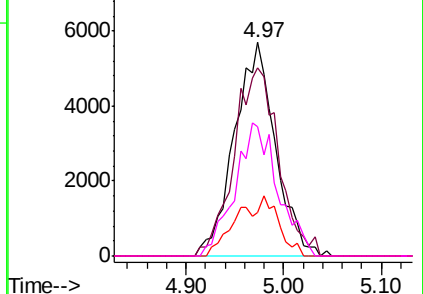


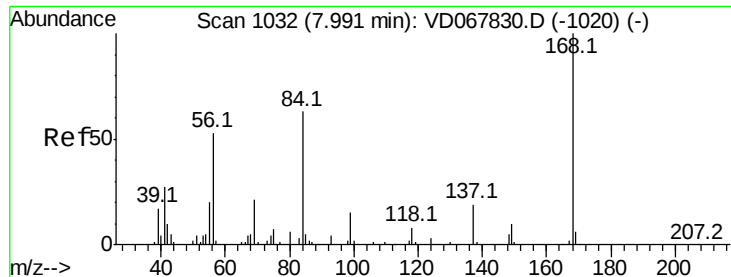
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

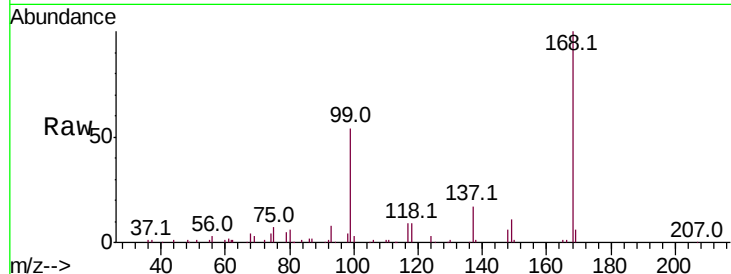




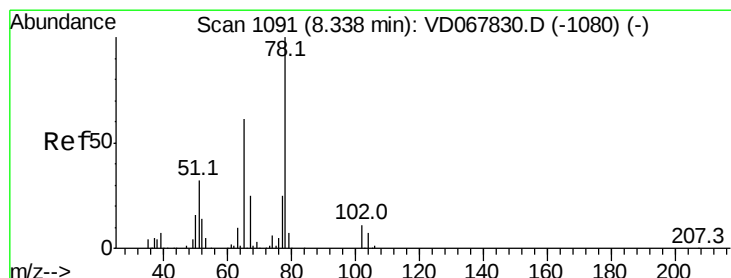
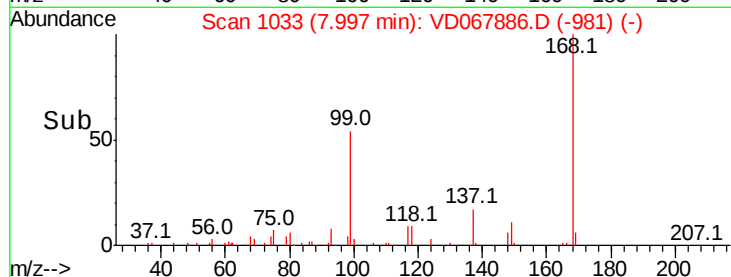
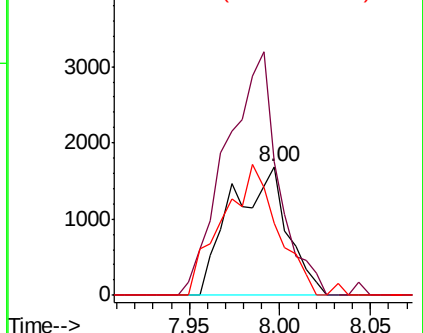
#31
Cyclohexane
Concen: 1.572 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD067886.D
Acq: 04 Dec 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
TT-034-IDWSO-20201203RE

Tot Ion: 56 Resp: 3630
Ion Ratio Lower Upper
56 100
69 103.7 32.1 48.1#
84 56.4 93.2 139.8#

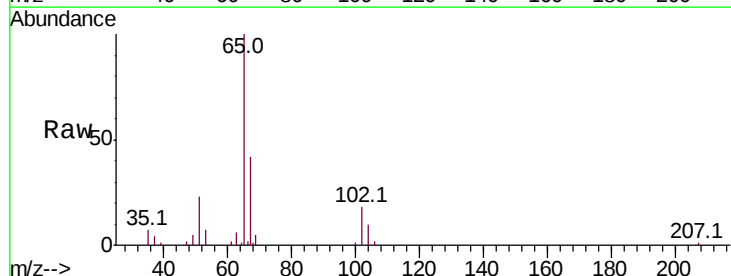


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

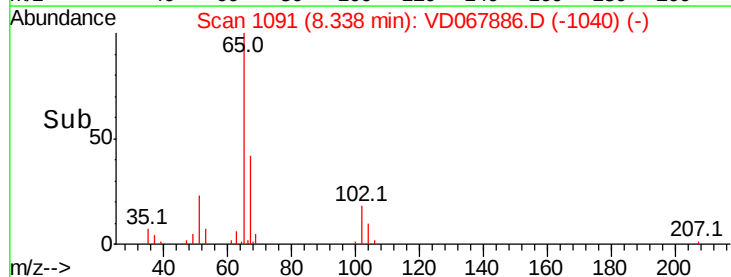
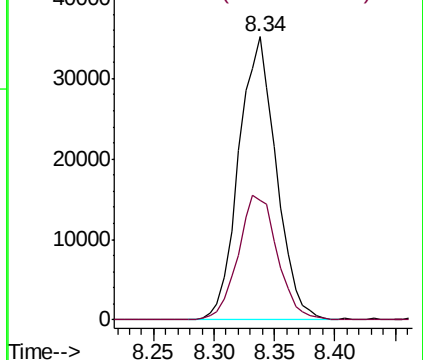


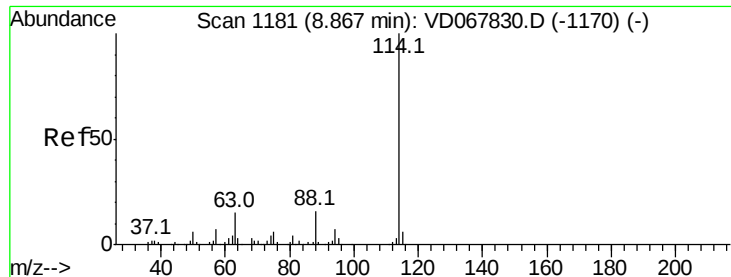
#33
1,2-Dichloroethane-d4
Concen: 34.694 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067886.D
Acq: 04 Dec 2020 15:31

Tgt Ion: 65 Resp: 76021
Ion Ratio Lower Upper
65 100
67 46.1 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

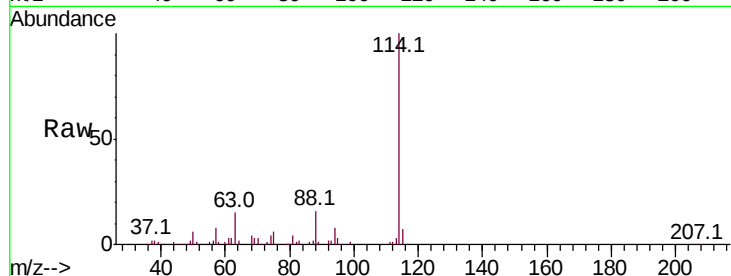




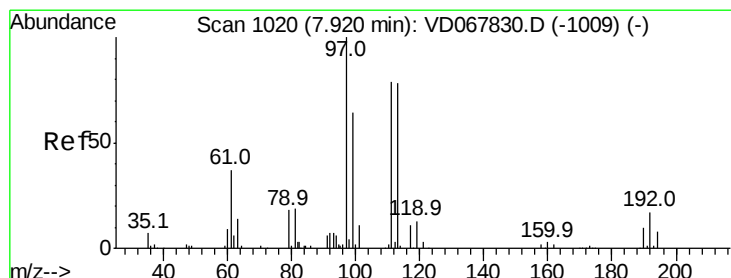
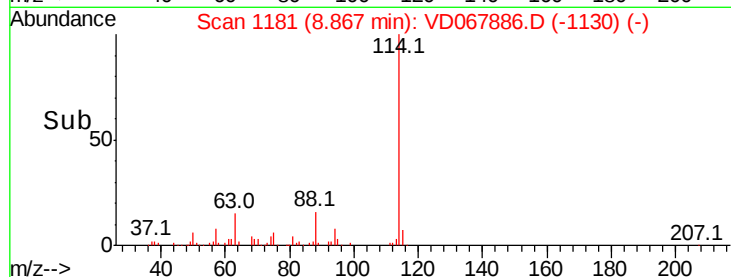
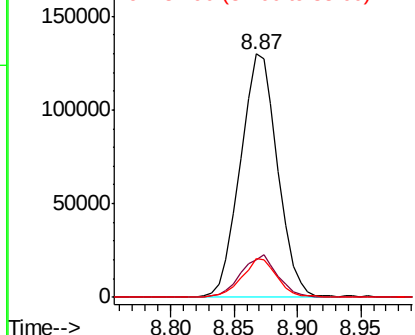
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067886.D
Acq: 04 Dec 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
TT-034-IDWSO-20201203RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	15.3	0.0	30.8
88	15.8	0.0	31.8

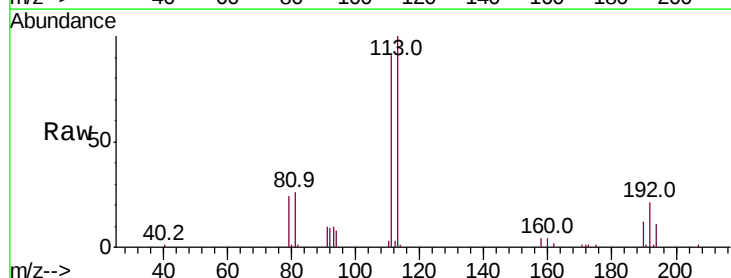


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

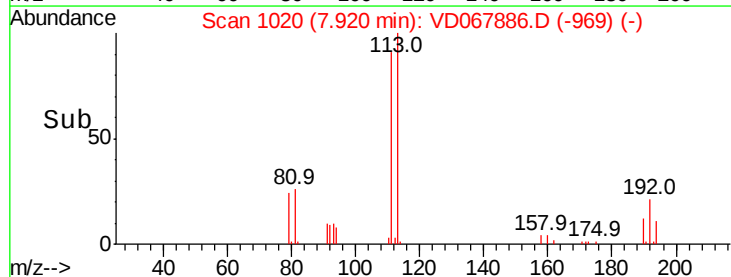
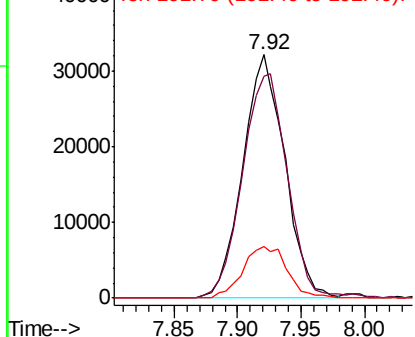


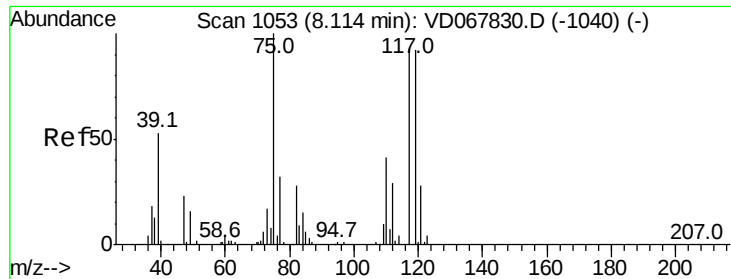
#35
Dibromofluoromethane
Concen: 41.759 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067886.D
Acq: 04 Dec 2020 15:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.2	121.8
192	22.3	16.8	25.2



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

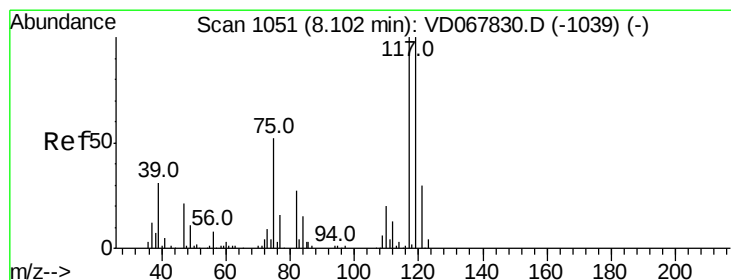
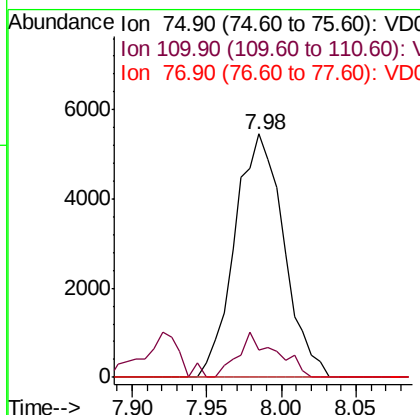
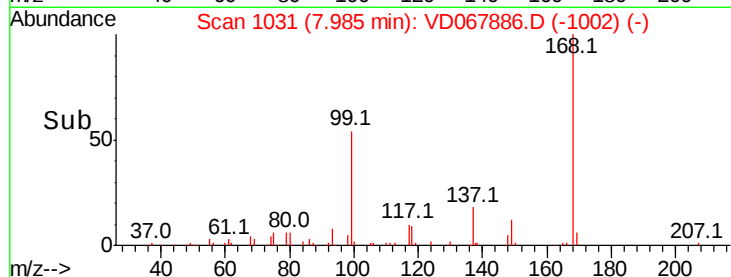
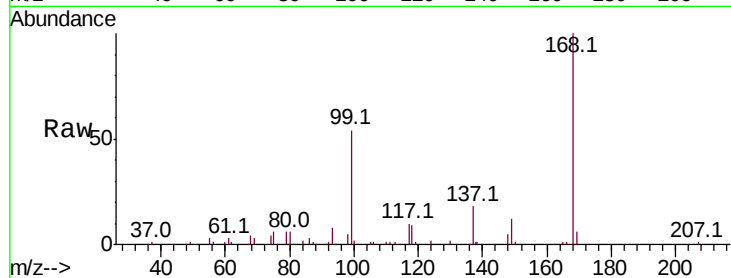




#36
 1,1-Dichloropropene
 Concen: 5.422 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067886.D
 Acq: 04 Dec 2020 15:31

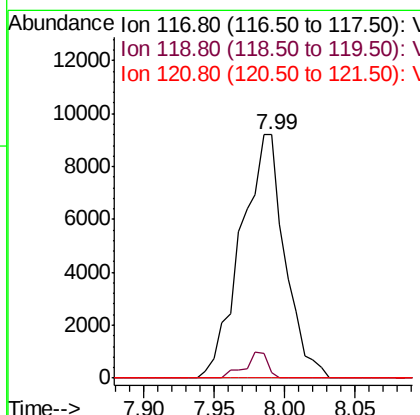
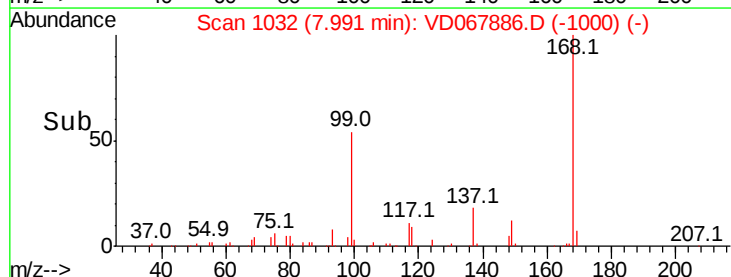
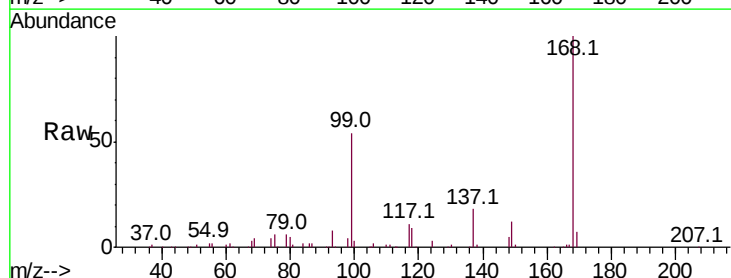
Instrument :
 MSVOA_D
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 TT-034-IDWSO-20201203RE

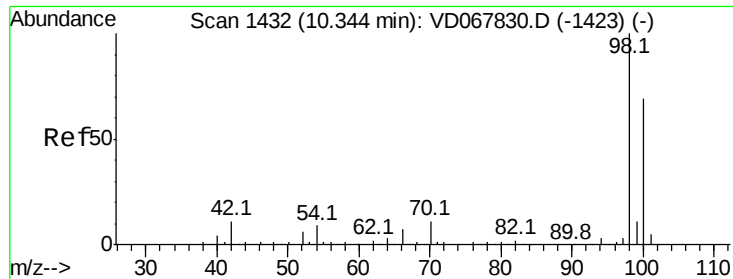
Tot Ion	Ratio	Lower	Upper
75	100		
110	14.5	20.3	61.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.776 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD067886.D
 Acq: 04 Dec 2020 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.2	79.7	119.5#
121	0.0	23.8	35.6#

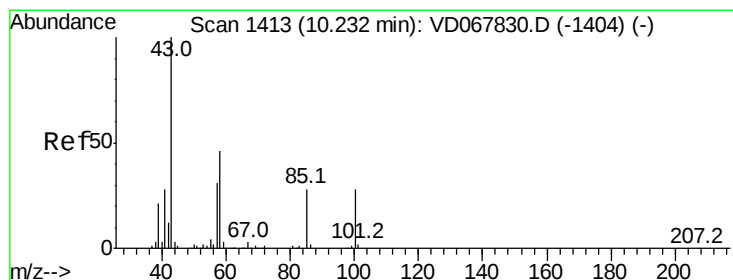
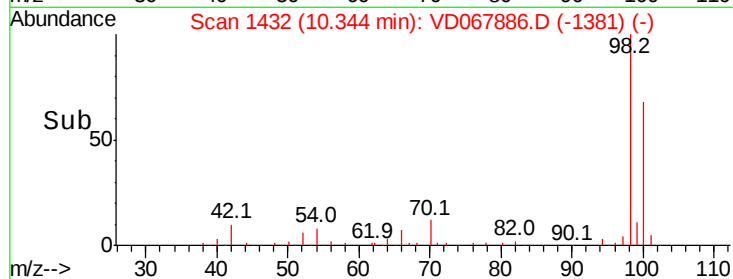
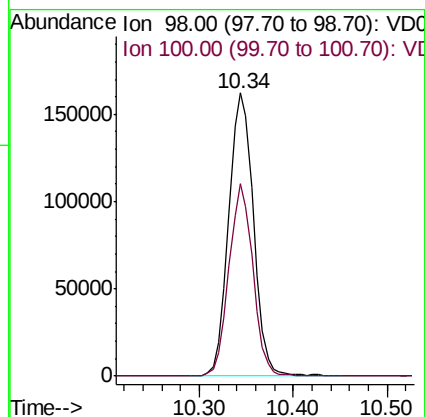
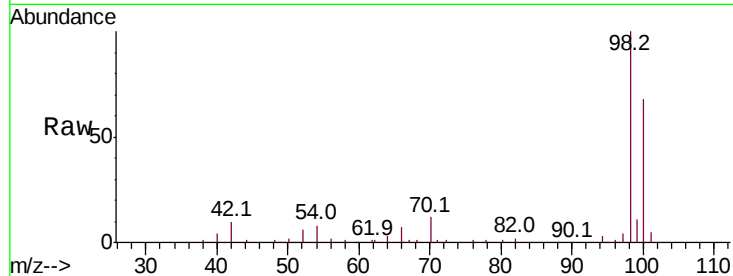




#50
Toluene-d8
Concen: 46.308 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067886.D
Acq: 04 Dec 2020 15:31

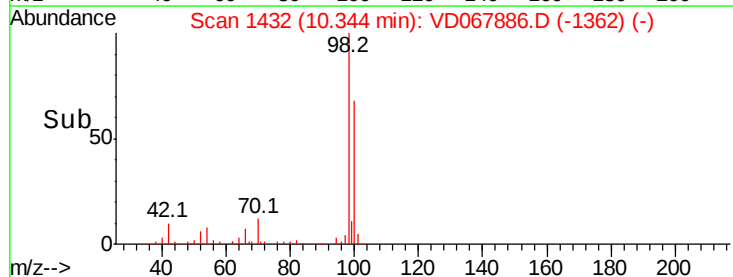
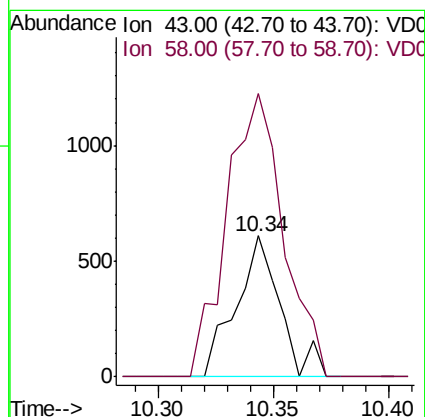
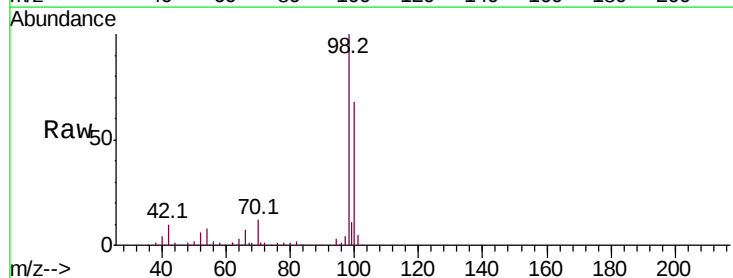
Instrument :
MSVOA_D
ClientSampleId :
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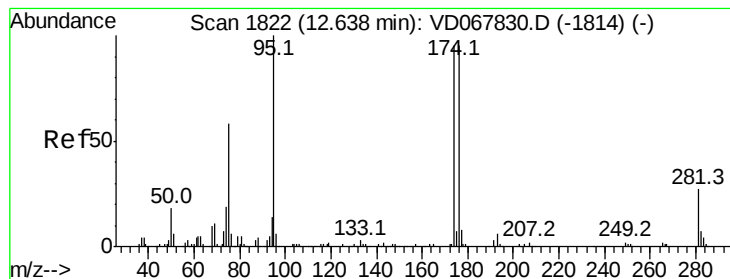
Tot Ion: 98 Resp: 296057
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.401 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067886.D
Acq: 04 Dec 2020 15:31

Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 259.2 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 35.728 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

TT-034-IDWSO-20201203RE

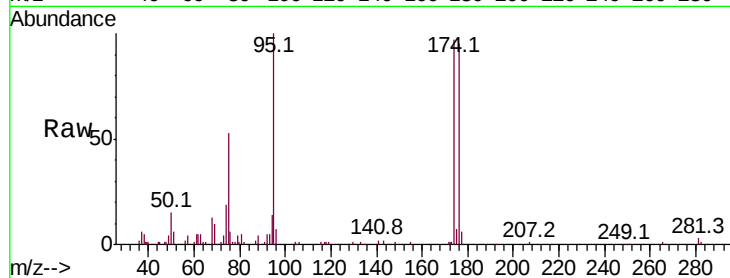
Tot Ion: 95 Resp: 78971

Ion Ratio Lower Upper

95 100

174 99.1 0.0 186.0

176 94.8 0.0 184.2



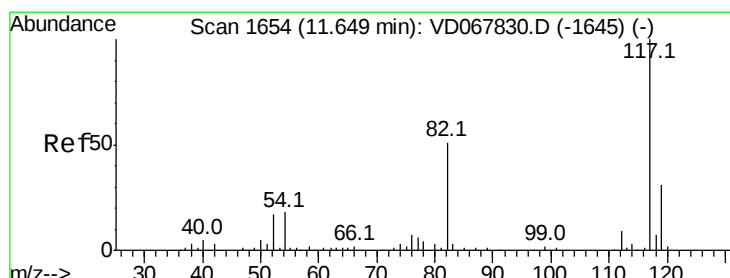
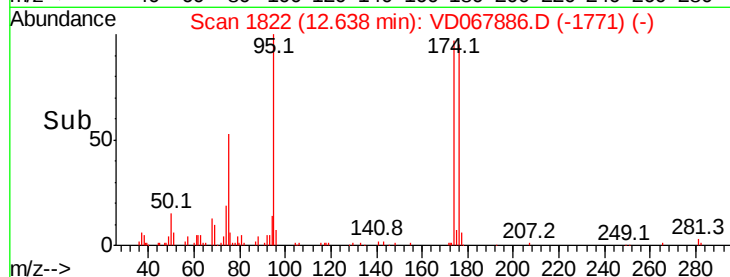
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

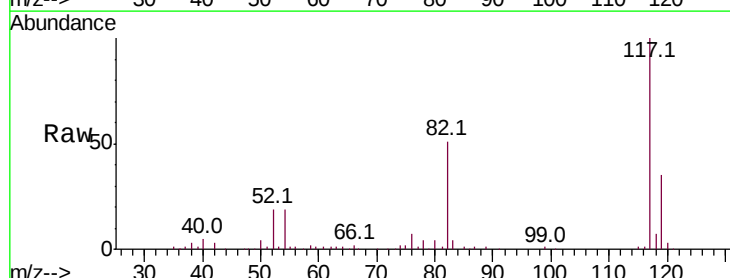
Tgt Ion: 117 Resp: 215507

Ion Ratio Lower Upper

117 100

82 51.0 40.6 60.8

119 34.8 25.1 37.7



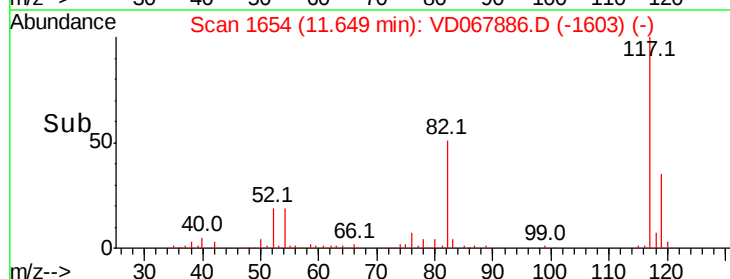
Abundance Ion 116.90 (116.60 to 117.60): V

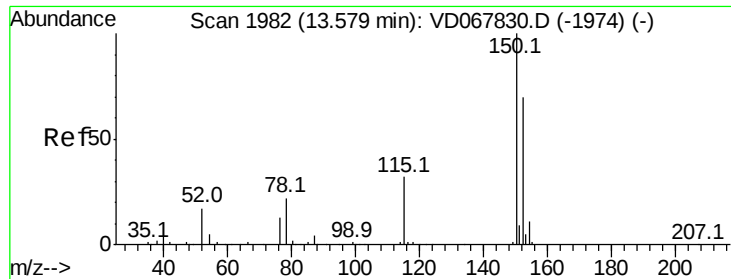
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

TT-034-IDWSO-20201203RE

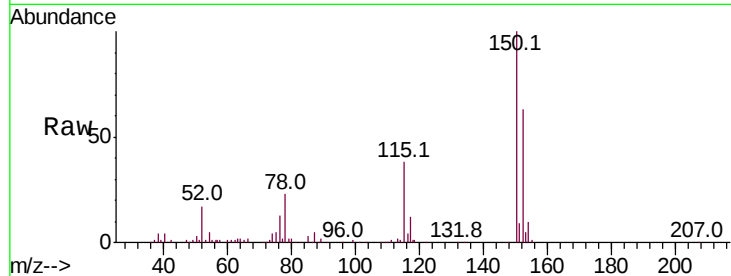
Tot Ion:152 Resp: 91849

Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.4

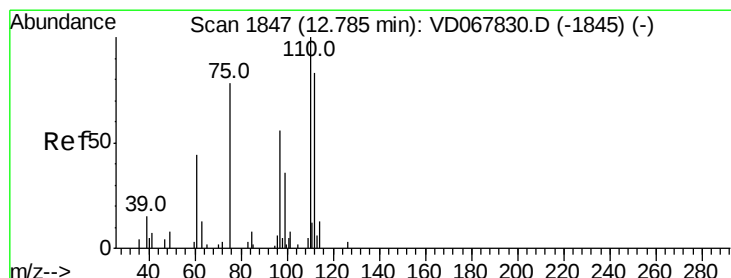
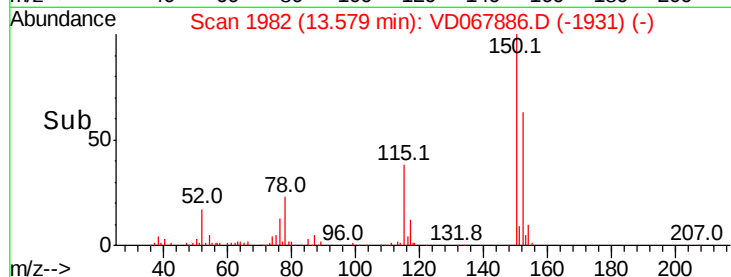
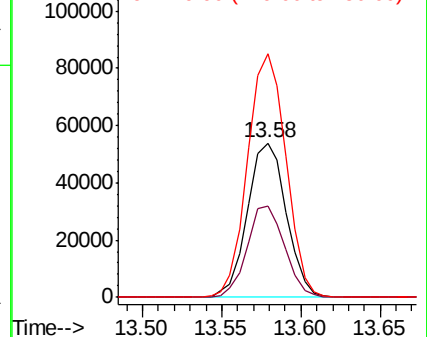
150 156.1 0.0 339.0



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



#76

1,2,3-Trichloropropane

Concen: 62.113 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067886.D

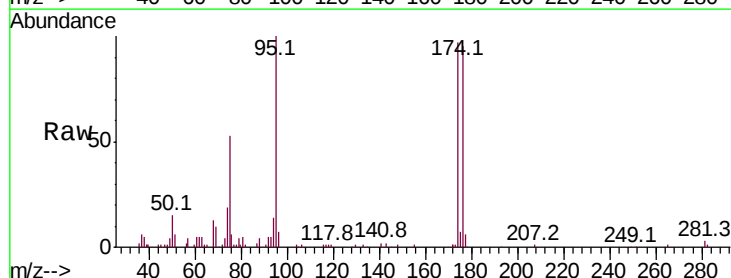
Acq: 04 Dec 2020 15:31

Tgt Ion: 75 Resp: 41546

Ion Ratio Lower Upper

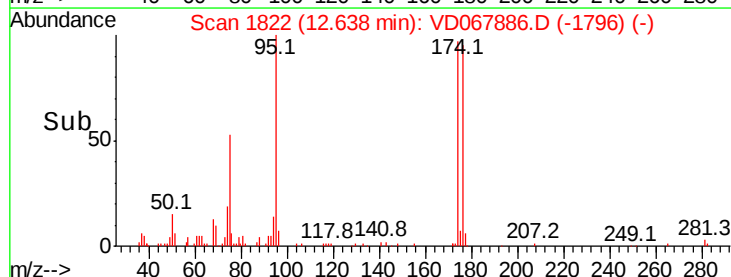
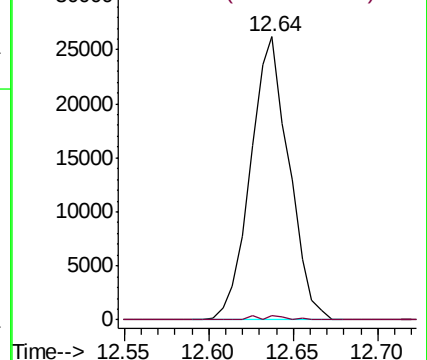
75 100

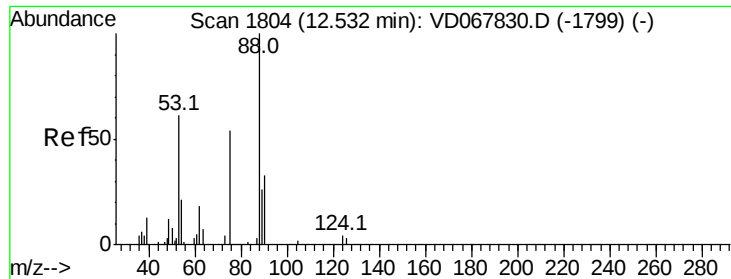
77 0.7 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 148.581 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067886.D

Acq: 04 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

TT-034-IDWSO-20201203RE

Tot Ion: 75 Resp: 41546

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

