

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067883.D
 Acq On : 04 Dec 2020 14:10
 Operator : VA/SY
 Sample : L4599-01
 Misc : 4.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 04 23:50:01 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	209338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	285746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	235466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88884	39.55	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.10%
35) Dibromofluoromethane	7.91	113	82905	43.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.72%
50) Toluene-d8	10.34	98	317947	46.19	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.38%
62) 4-Bromofluorobenzene	12.64	95	88813	37.32	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.64%

Target Compounds

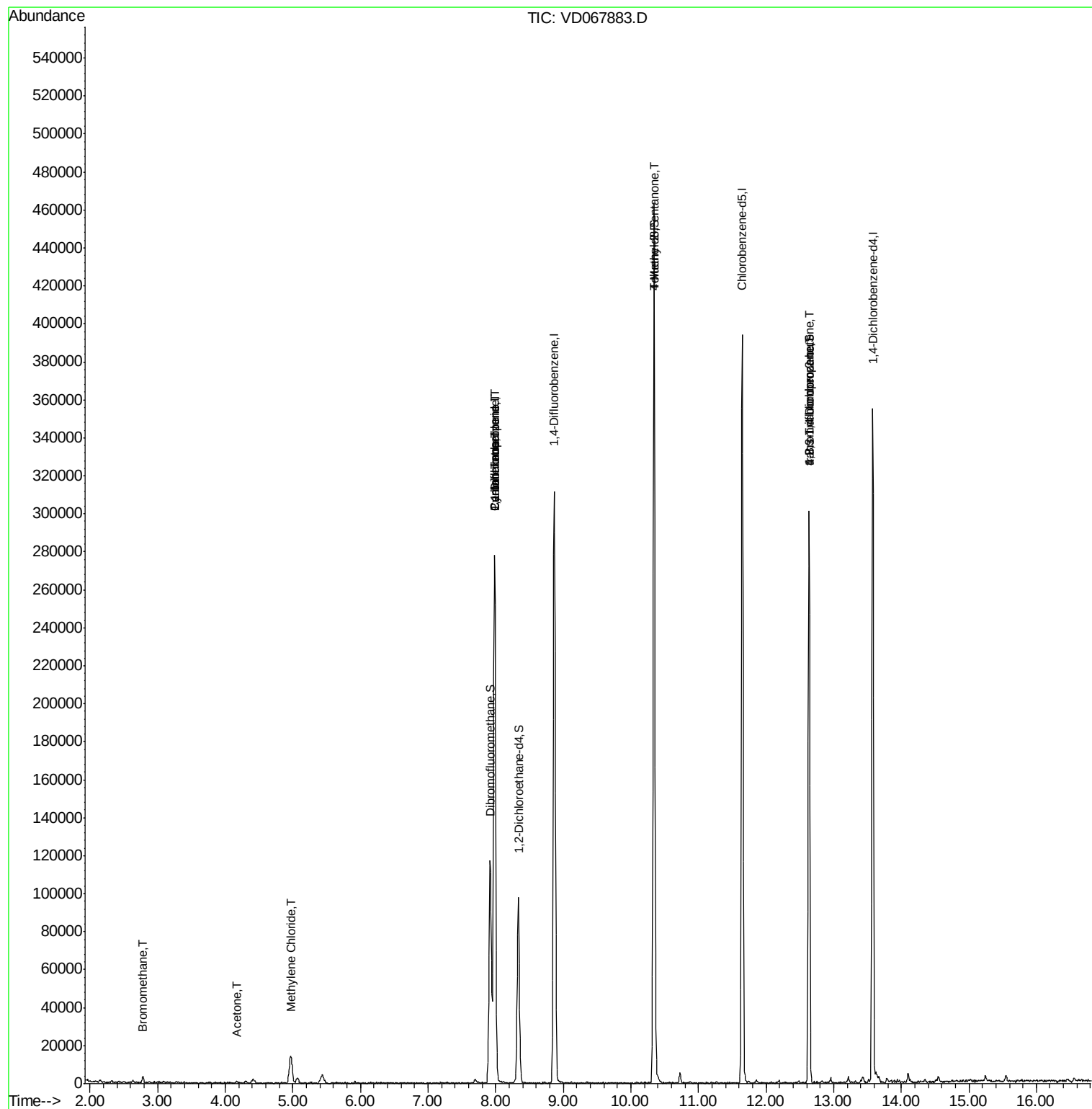
					Qvalue	
5) Bromomethane	2.78	94	1920	1.624	ug/l #	58
16) Acetone	4.16	43	572	2.060	ug/l #	47
20) Methylene Chloride	4.98	84	13588	3.755	ug/l #	84
31) Cyclohexane	7.98	56	4323	1.826	ug/l #	40
36) 1,1-Dichloropropene	7.98	75	14474	5.851	ug/l #	49
38) Carbon Tetrachloride	7.98	117	21177	5.658	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	834	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	49985	68.948	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	49985	164.930	ug/l #	7

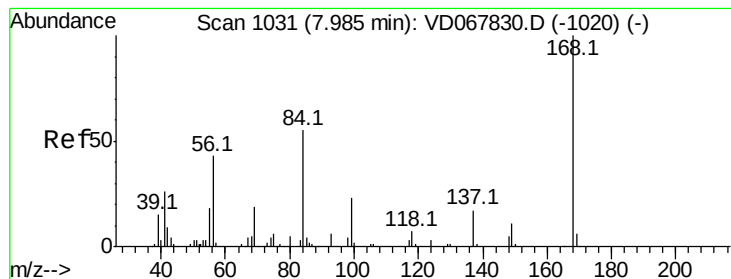
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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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: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

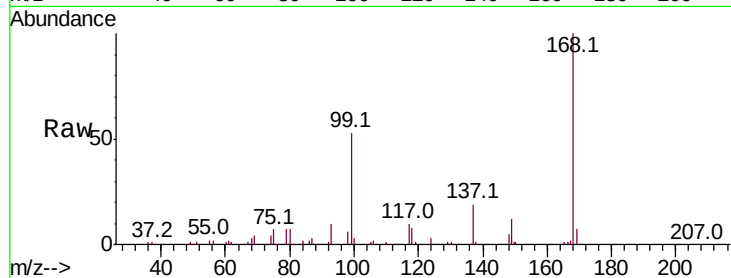
TT-034-IDWSO-20201203

Tot Ion:168 Resp: 209338

Ion Ratio Lower Upper

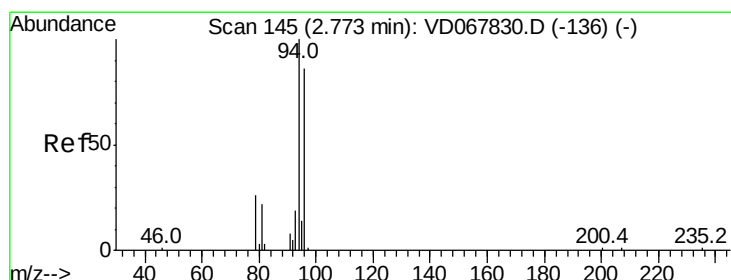
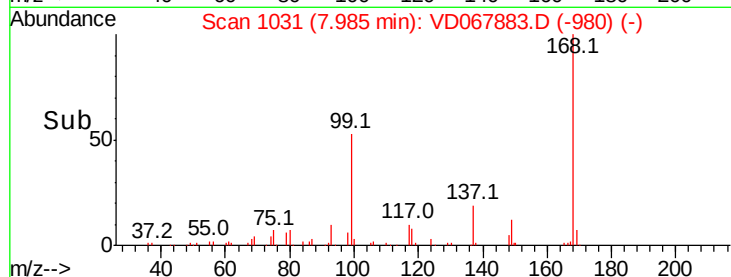
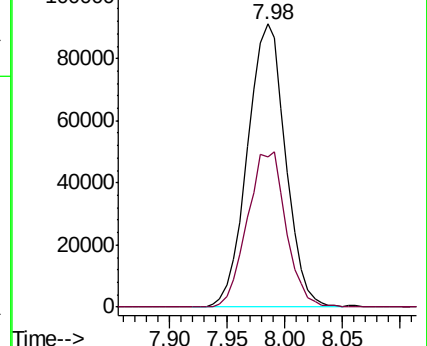
168 100

99 53.2 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: 1.624 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067883.D

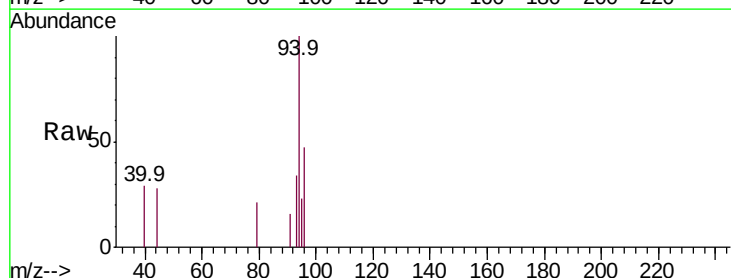
Acq: 04 Dec 2020 14:10

Tgt Ion: 94 Resp: 1920

Ion Ratio Lower Upper

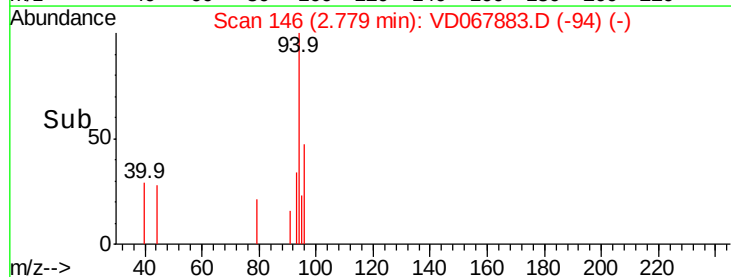
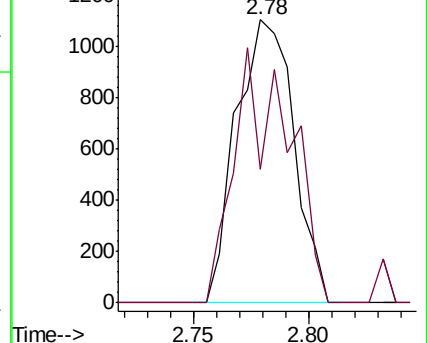
94 100

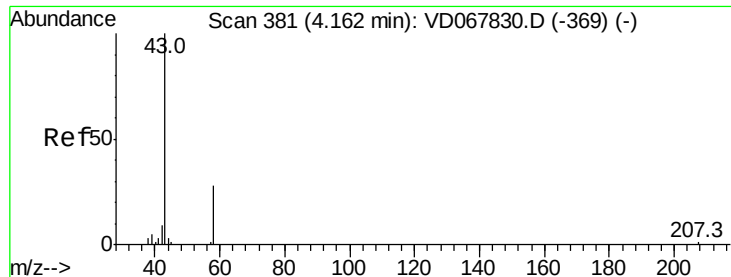
96 47.3 68.7 103.1#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 2.060 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

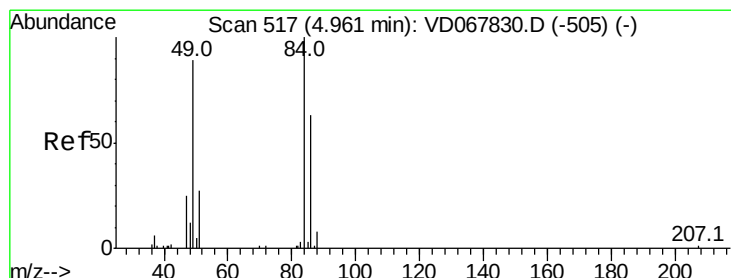
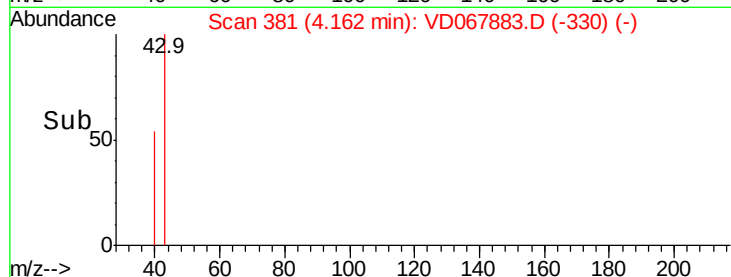
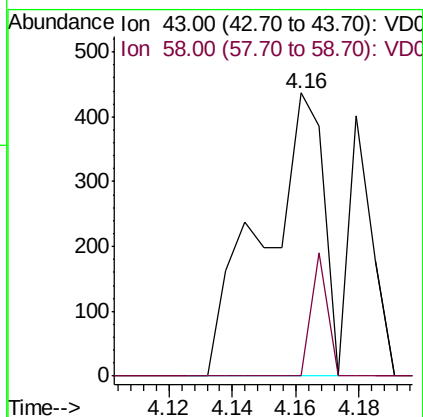
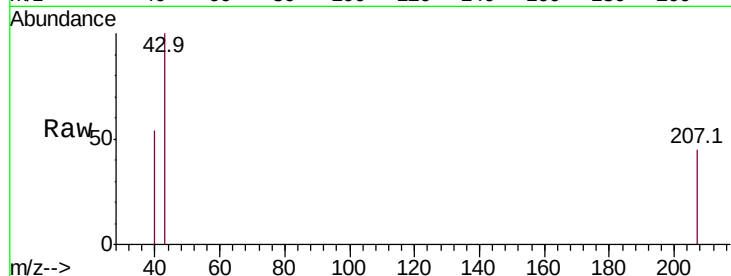
TT-034-IDWSO-20201203

Tot Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 3.755 ug/l

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Tgt Ion: 84 Resp: 13588

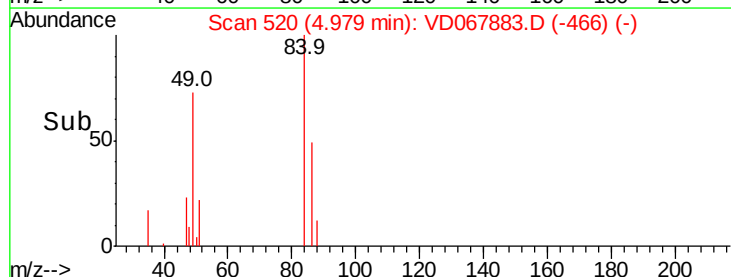
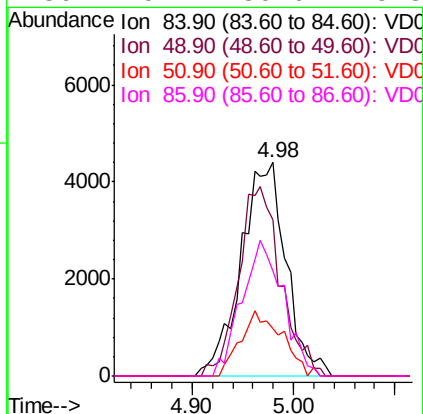
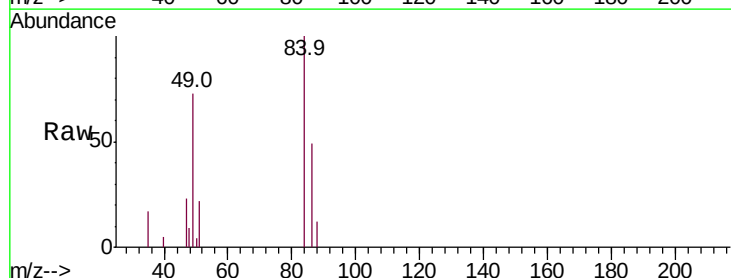
Ion Ratio Lower Upper

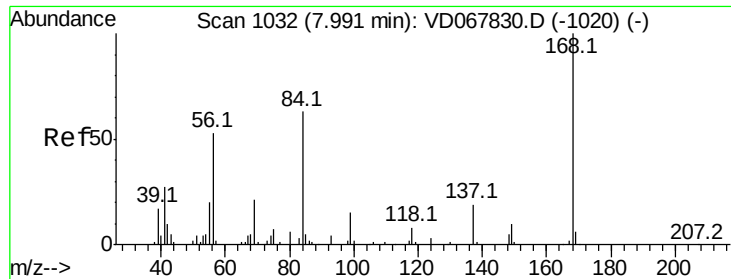
84 100

49 73.0 71.4 107.0

51 22.2 21.8 32.8

86 49.1 50.6 75.8#

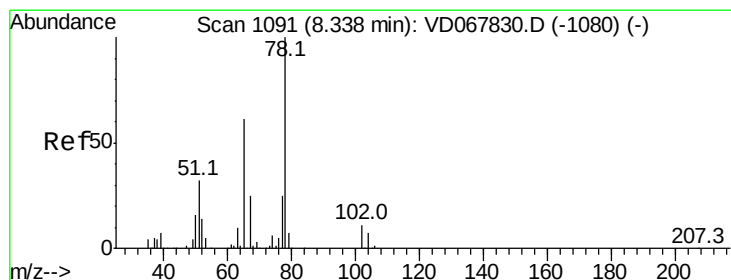
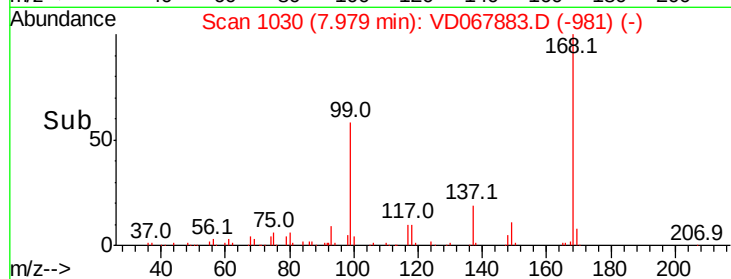
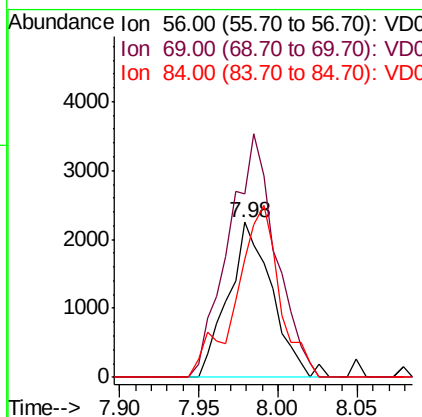
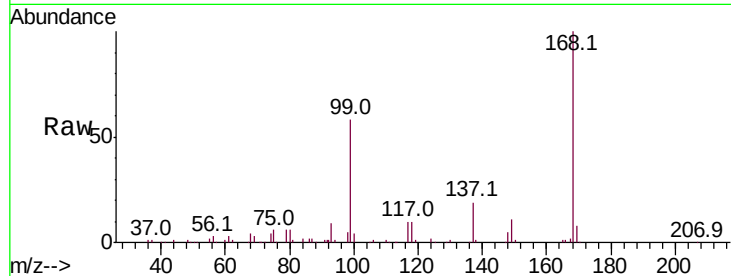




#31
Cyclohexane
Concen: 1.826 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067883.D
Acq: 04 Dec 2020 14:10

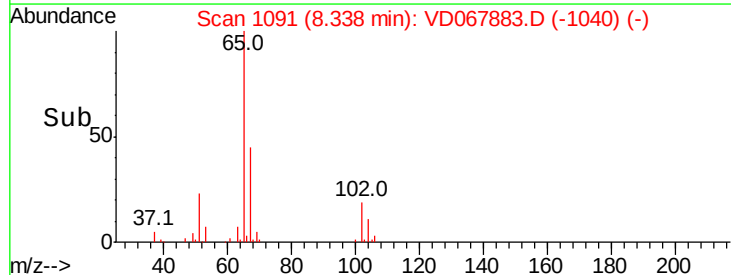
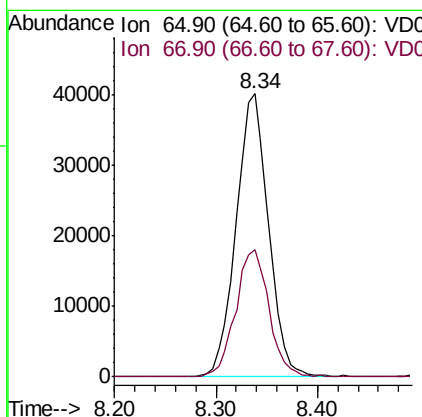
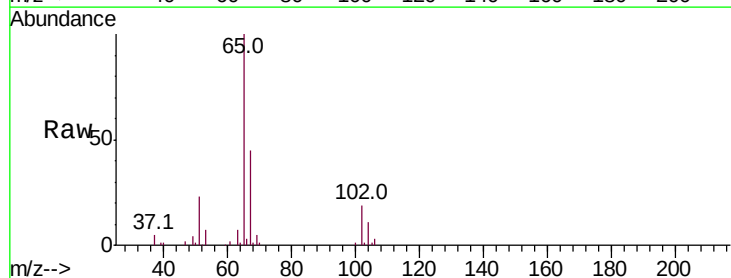
Instrument :
MSVOA_D
ClientSampleId :
TT-034-IDWSO-20201203

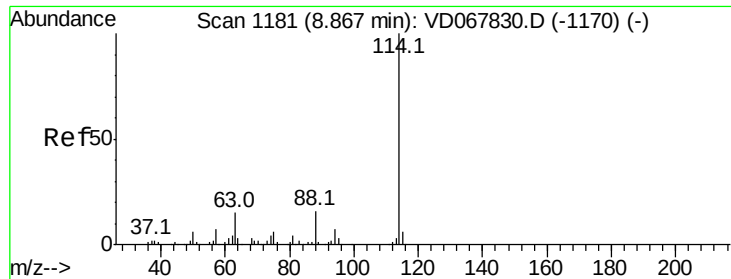
Tot Ion: 56 Resp: 4323
Ion Ratio Lower Upper
56 100
69 118.6 32.1 48.1#
84 76.2 93.2 139.8#



#33
1,2-Dichloroethane-d4
Concen: 39.551 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067883.D
Acq: 04 Dec 2020 14:10

Tgt Ion: 65 Resp: 88884
Ion Ratio Lower Upper
65 100
67 46.2 0.0 92.0

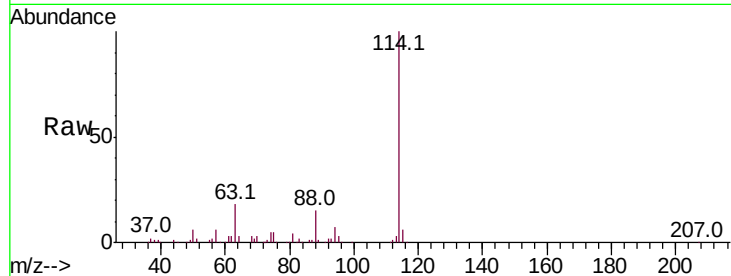




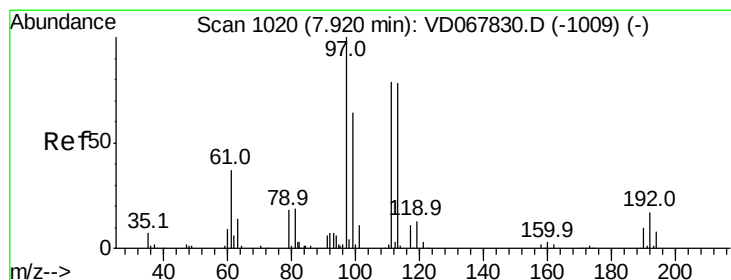
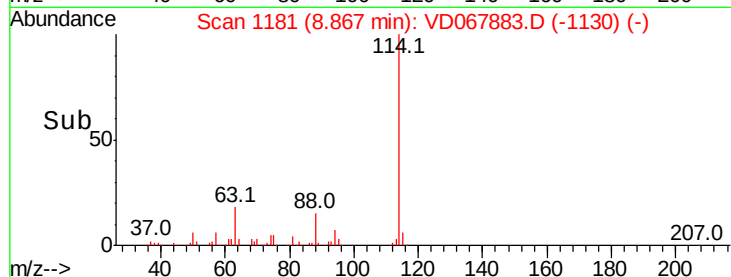
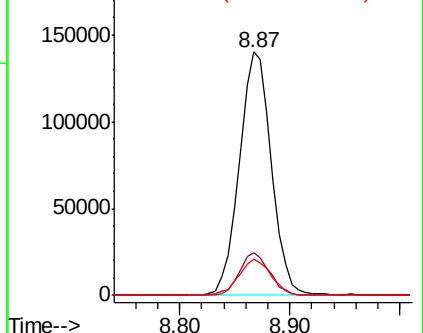
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067883.D
 Acq: 04 Dec 2020 14:10

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

Tot Ion:114 Resp: 285746
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 30.8
 88 15.0 0.0 31.8

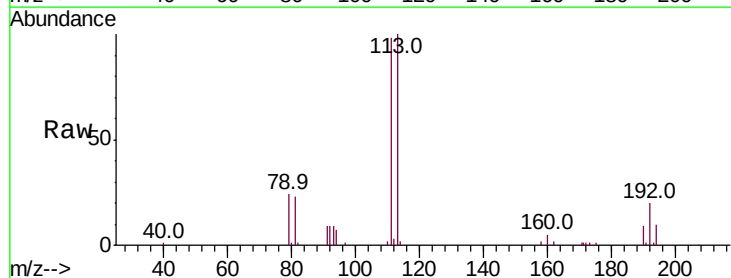


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

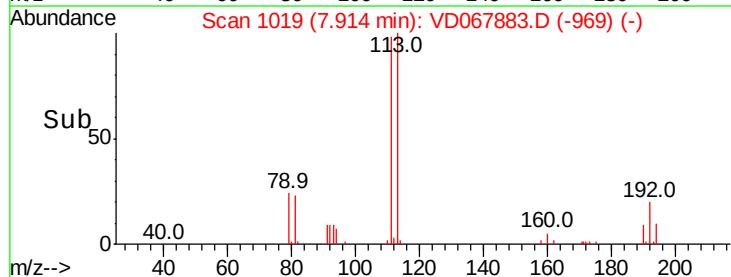
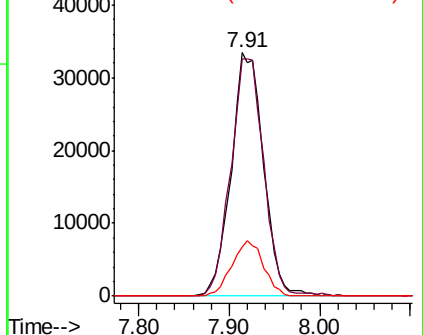


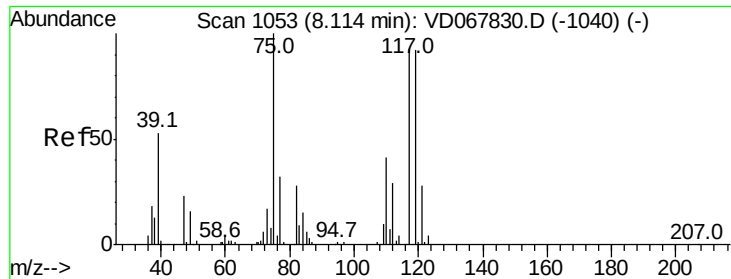
#35
 Dibromofluoromethane
 Concen: 43.359 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067883.D
 Acq: 04 Dec 2020 14:10

Tgt Ion:113 Resp: 82905
 Ion Ratio Lower Upper
 113 100
 111 99.6 81.2 121.8
 192 22.0 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: 5.851 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

TT-034-IDWSO-20201203

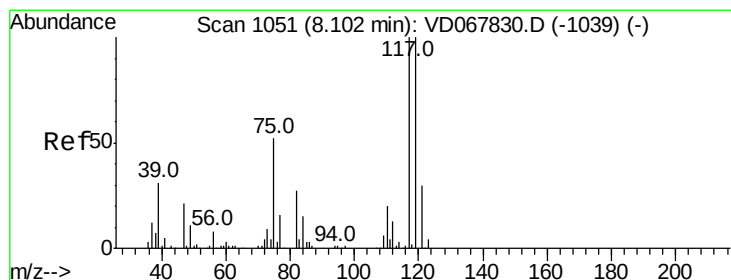
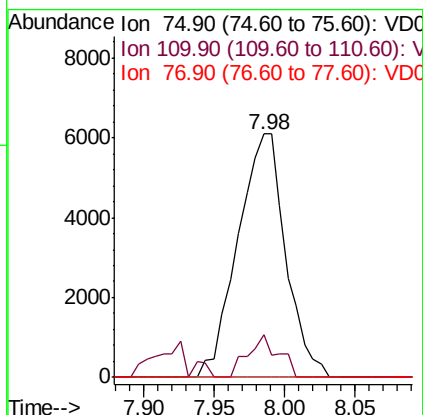
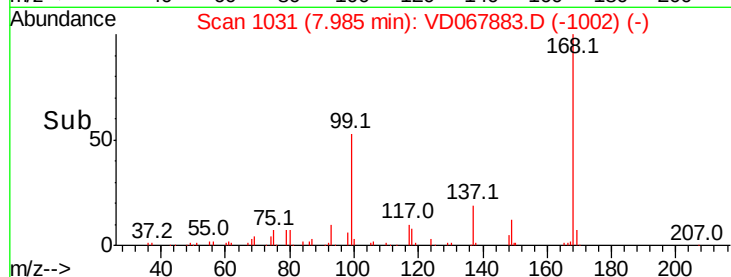
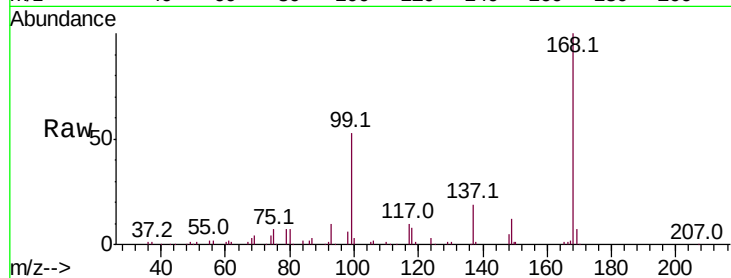
Tot Ion: 75 Resp: 14474

Ion Ratio Lower Upper

75 100

110 11.1 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.658 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

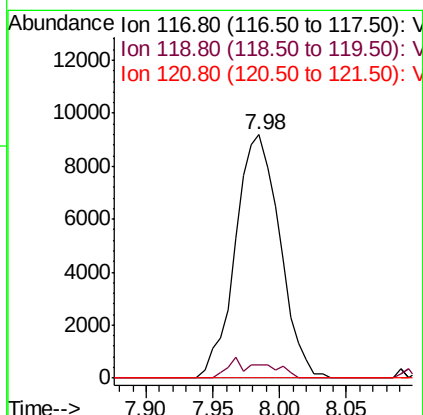
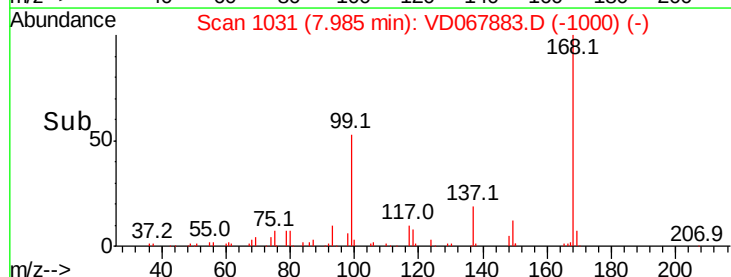
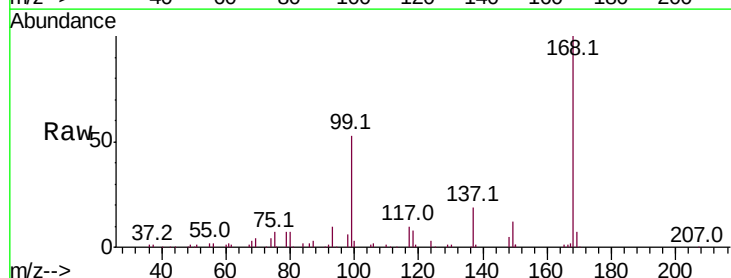
Tgt Ion: 117 Resp: 21177

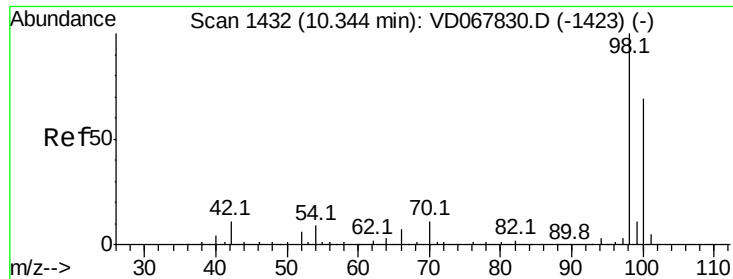
Ion Ratio Lower Upper

117 100

119 5.3 79.7 119.5#

121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 46.193 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

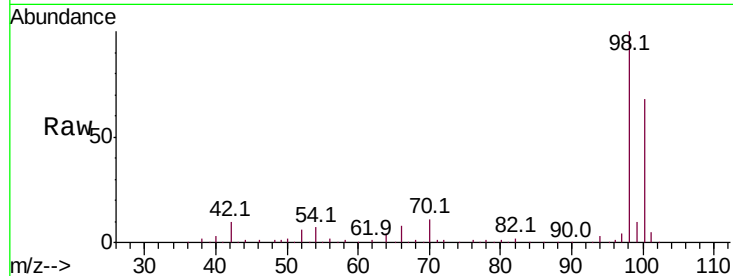
TT-034-IDWSO-20201203

Tot Ion: 98 Resp: 317947

Ion Ratio Lower Upper

98 100

100 67.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

200000 Ion 100.00 (99.70 to 100.70): VDC

10.34

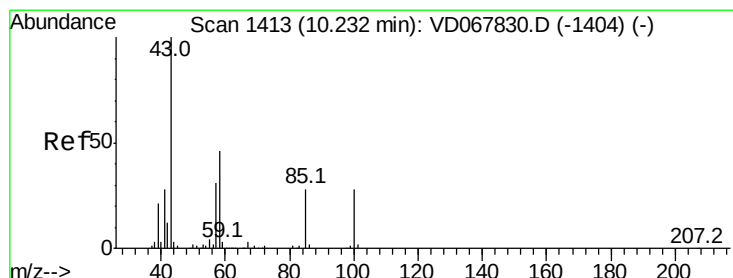
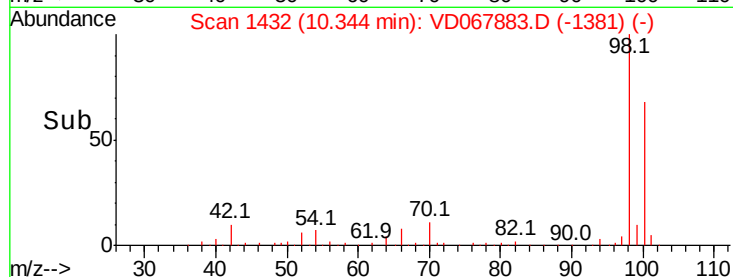
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.343 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067883.D

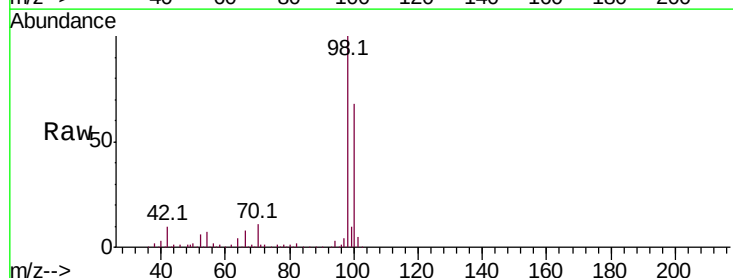
Acq: 04 Dec 2020 14:10

Tgt Ion: 43 Resp: 834

Ion Ratio Lower Upper

43 100

58 261.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

1500 Ion 58.00 (57.70 to 58.70): VDC

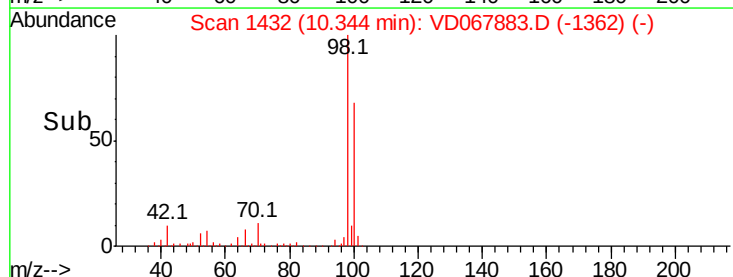
10.34

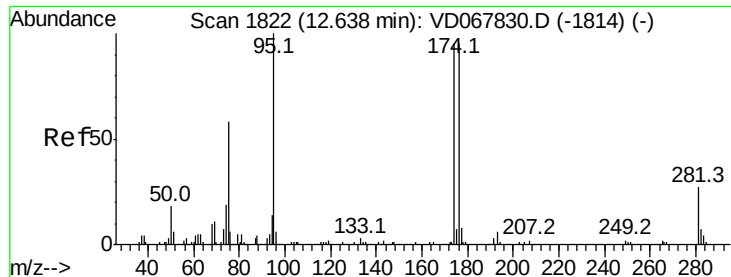
1000

500

0

Time--> 10.30 10.35





#62

4-Bromofluorobenzene

Concen: 37.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

TT-034-IDWSO-20201203

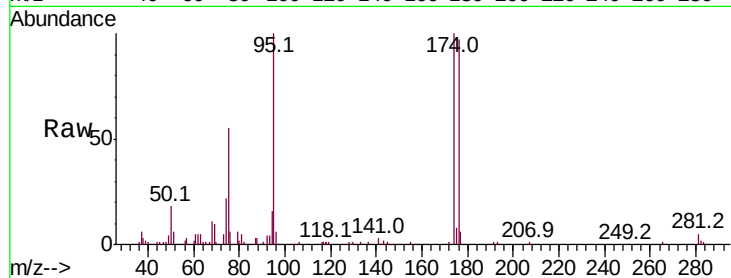
Tot Ion: 95 Resp: 88813

Ion Ratio Lower Upper

95 100

174 98.7 0.0 186.0

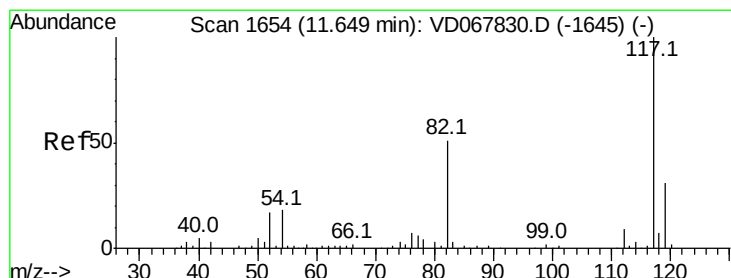
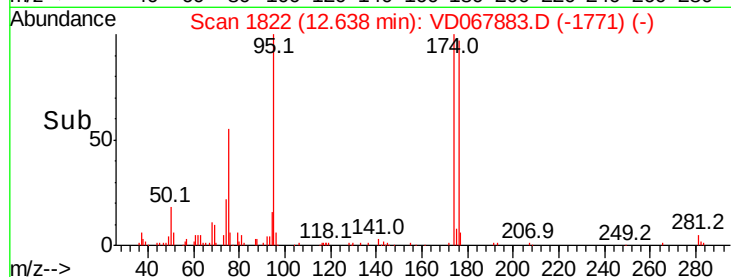
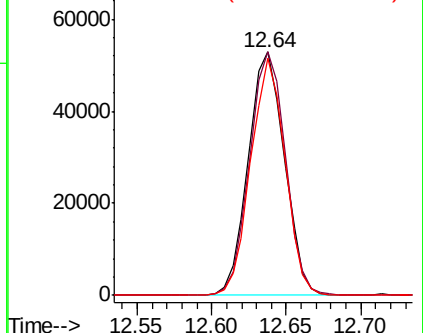
176 92.2 0.0 184.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

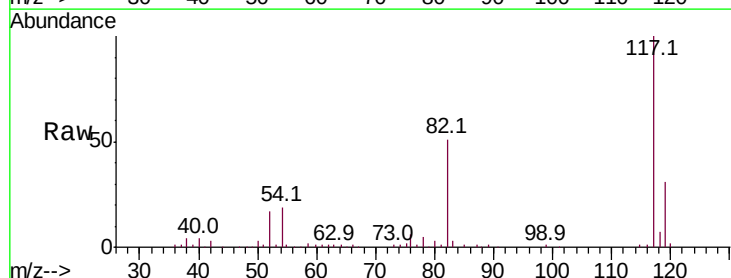
Tgt Ion: 117 Resp: 235466

Ion Ratio Lower Upper

117 100

82 51.4 40.6 60.8

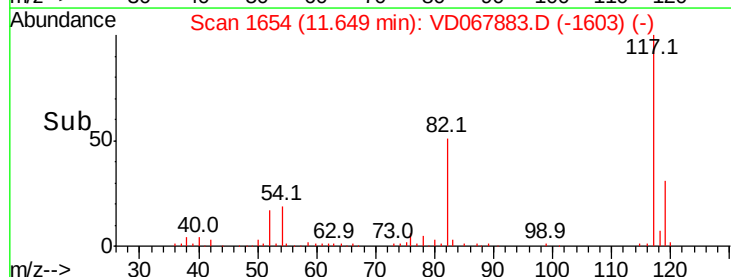
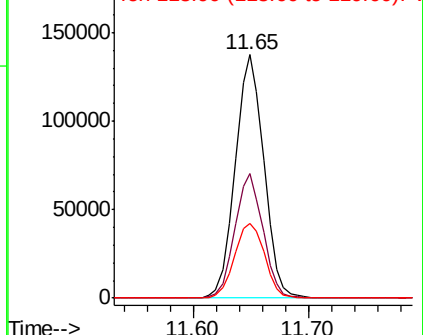
119 30.8 25.1 37.7

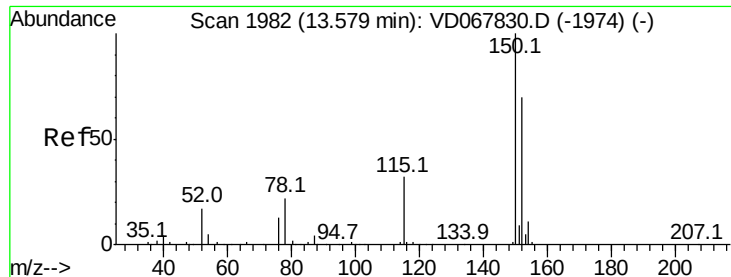


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

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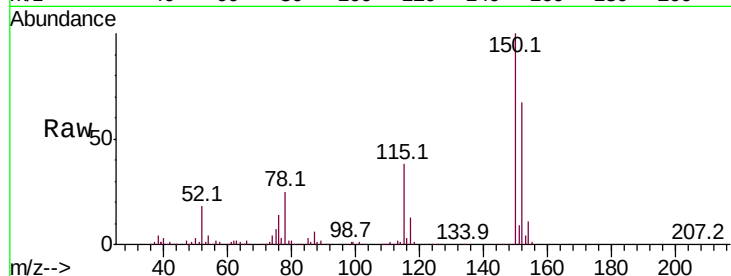
Tot Ion:152 Resp: 99552

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.4

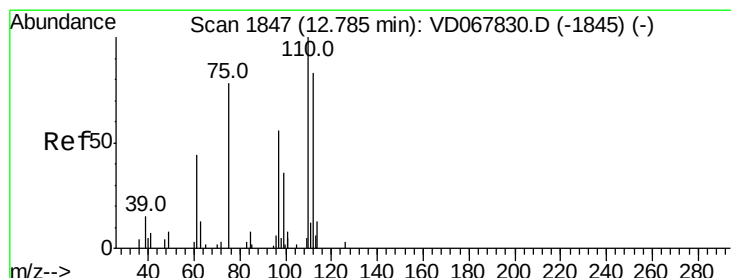
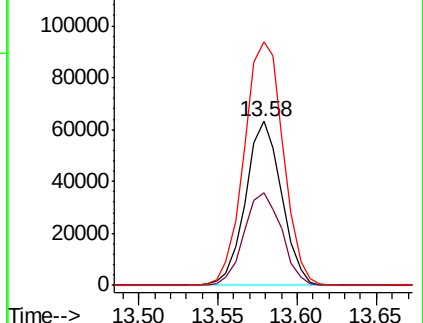
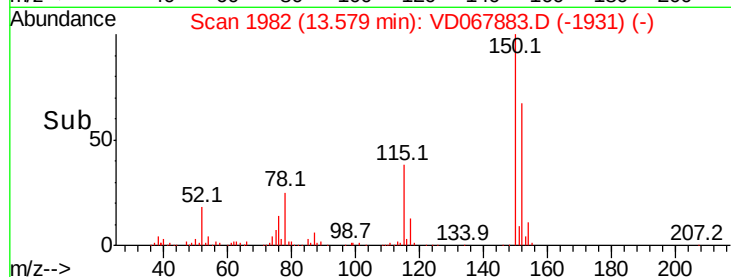
150 161.2 0.0 339.0



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: 68.948 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067883.D

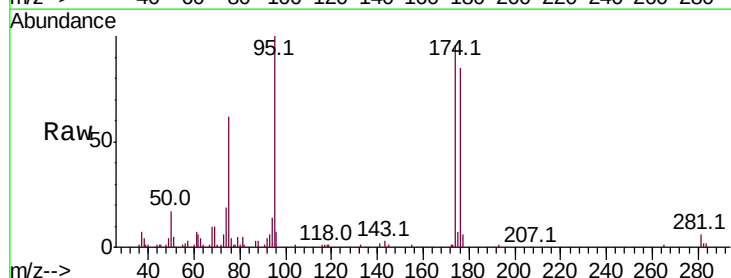
Acq: 04 Dec 2020 14:10

Tgt Ion: 75 Resp: 49985

Ion Ratio Lower Upper

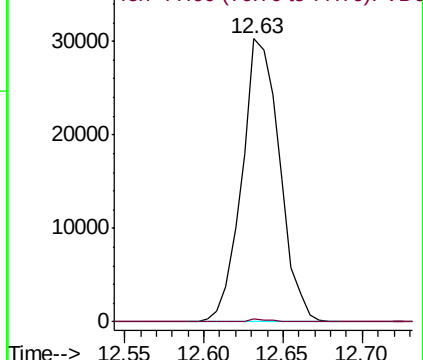
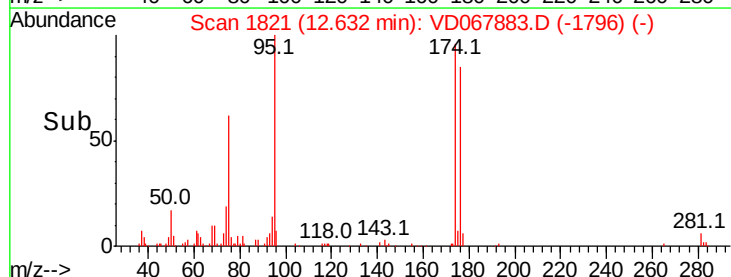
75 100

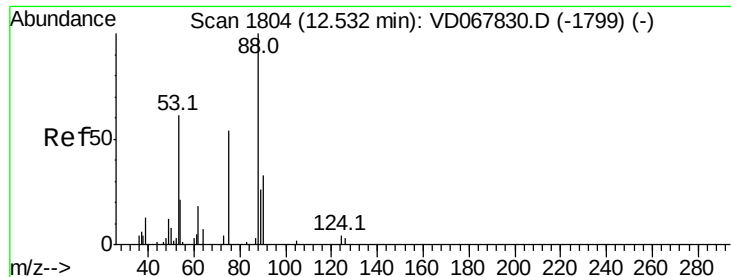
77 0.5 175.9 527.7#



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: 164.930 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067883.D

Acq: 04 Dec 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

TT-034-IDWSO-20201203

Tot Ion: 75 Resp: 49985

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

