

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067436.D
 Acq On : 28 Oct 2020 16:29
 Operator : VA/SY
 Sample : L4547-01
 Misc : 7.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-032-IDWSO-20201027

Quant Time: Oct 29 00:46:17 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	7.98	168	348056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	554447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	542914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264648	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	156581	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
35) Dibromofluoromethane	7.91	113	174709	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	10.34	98	659125	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.64	95	232329	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

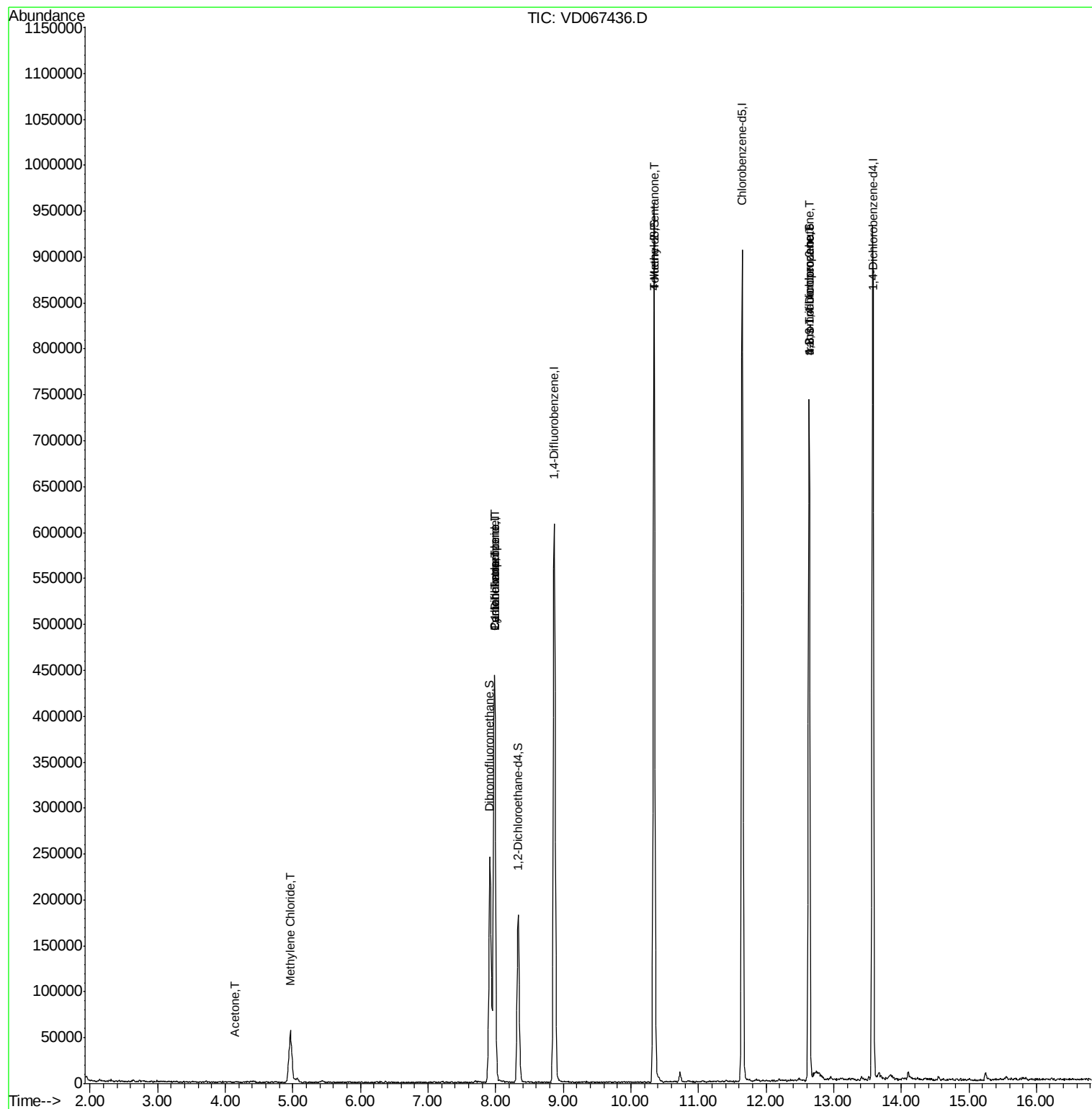
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	175	Below Cal	#	44
5) Bromomethane	2.78	94	581	Below Cal	#	61
16) Acetone	4.15	43	657	1.345	ug/l #	42
20) Methylene Chloride	4.97	84	45869	11.178	ug/l	97
31) Cyclohexane	7.98	56	7112	1.771	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	24704	5.257	ug/l #	50
38) Carbon Tetrachloride	7.98	117	35586	5.925	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2742	2.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	119200	64.985	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	119200	147.367	ug/l #	10

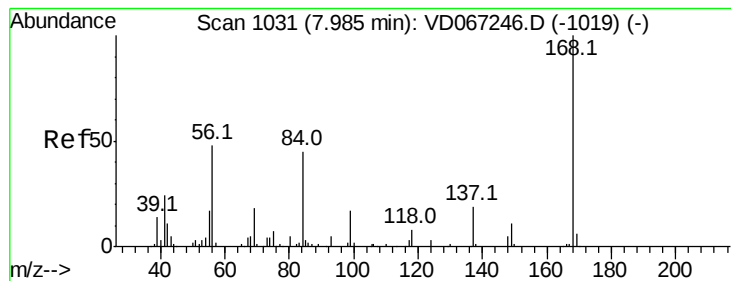
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

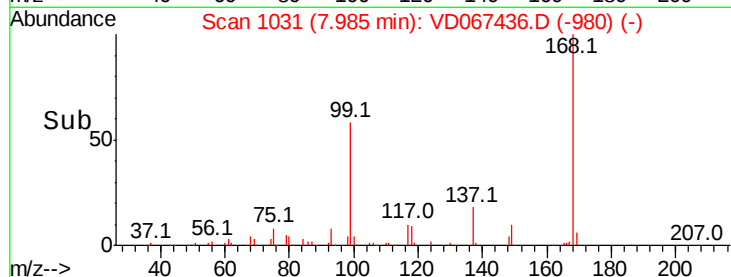
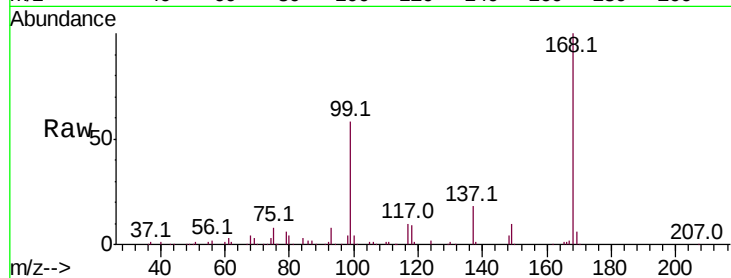
Instrument :
MSVOA_D
ClientSampleId :
TT-032-IDWSO-20201027

Tot Ion:168 Resp: 348056

Ion Ratio Lower Upper

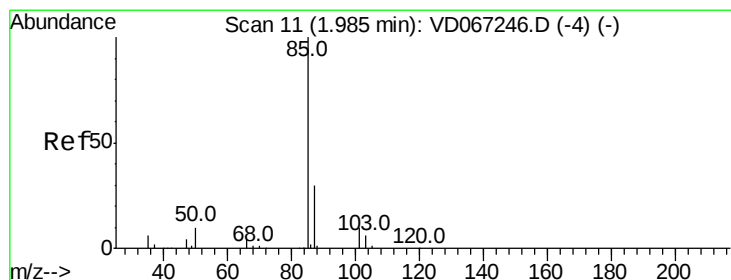
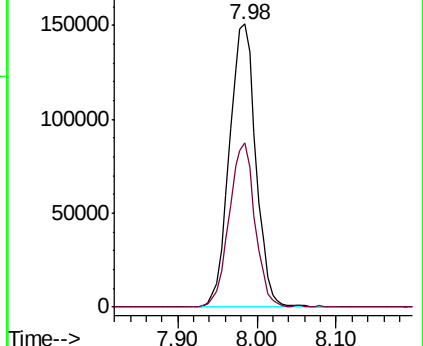
168 100

99 58.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067436.D

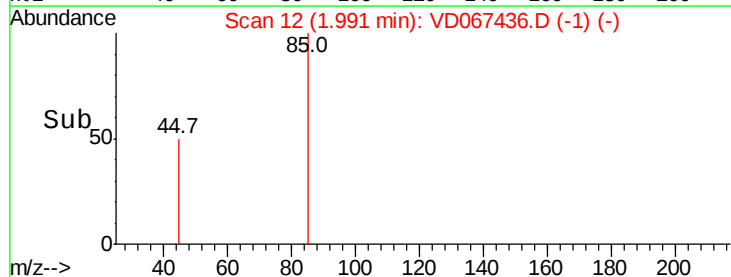
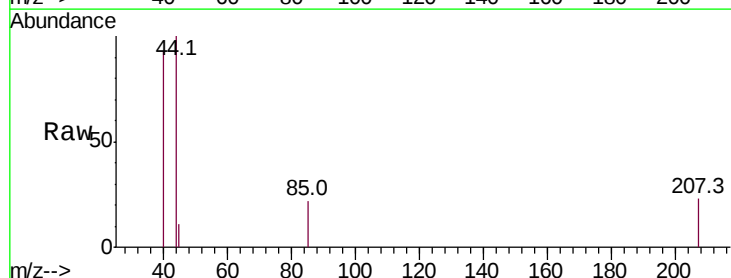
Acq: 28 Oct 2020 16:29

Tgt Ion: 85 Resp: 175

Ion Ratio Lower Upper

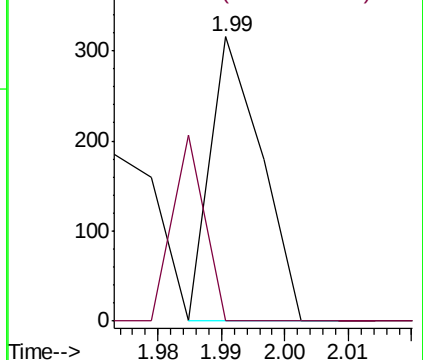
85 100

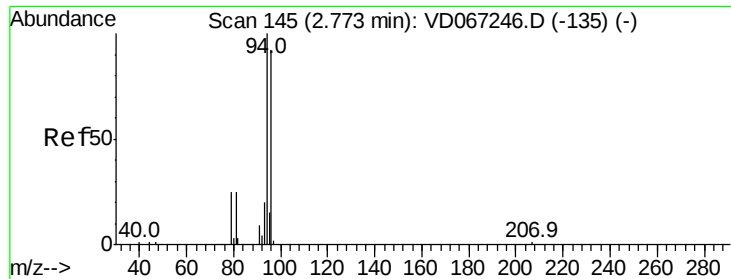
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

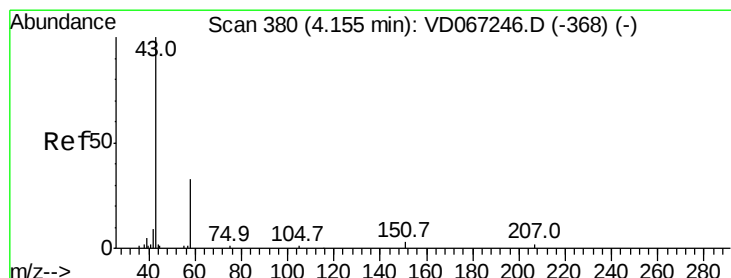
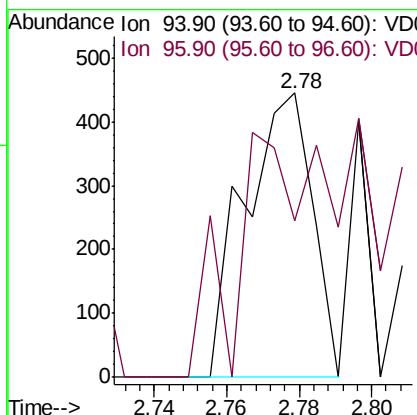
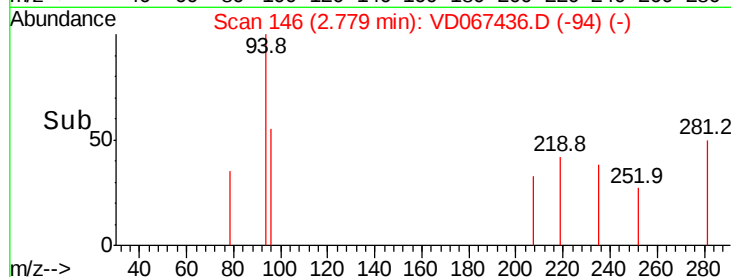
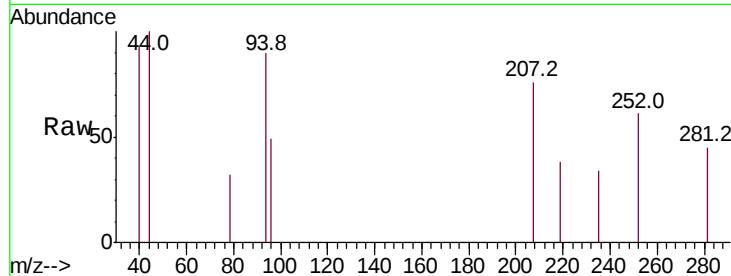
TT-032-IDWSO-20201027

Tot Ion: 94 Resp: 581

Ion Ratio Lower Upper

94 100

96 54.7 73.8 110.6#



#16

Acetone

Concen: 1.345 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067436.D

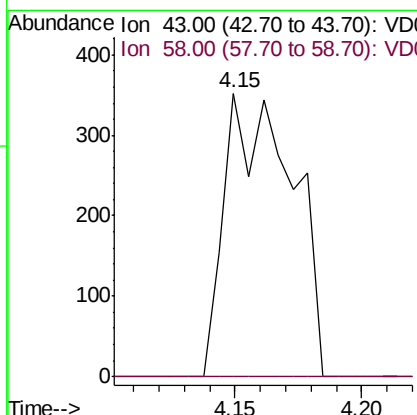
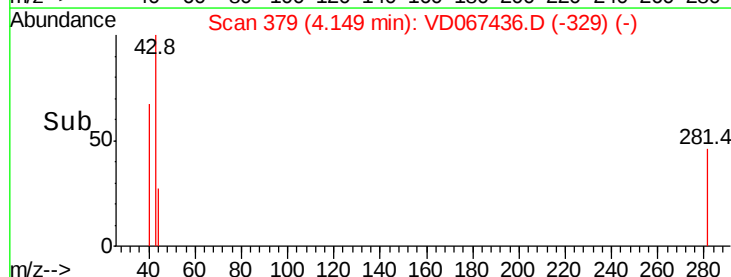
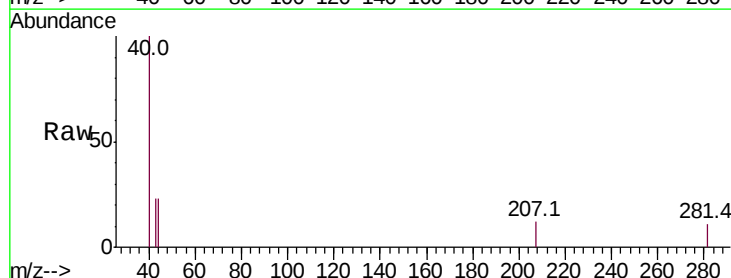
Acq: 28 Oct 2020 16:29

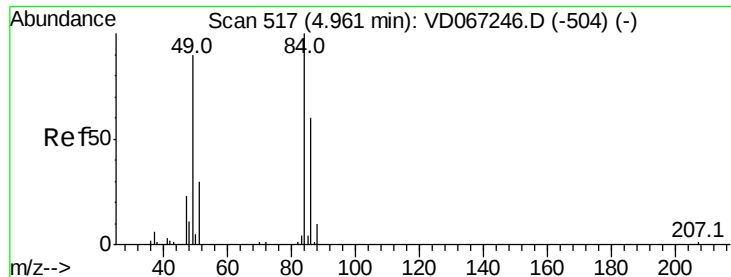
Tgt Ion: 43 Resp: 657

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#

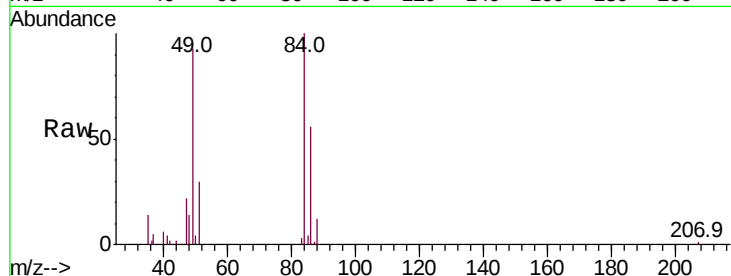




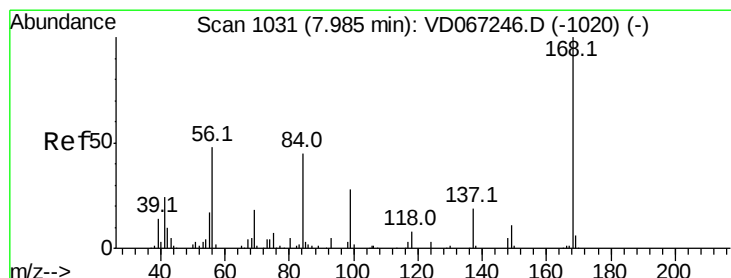
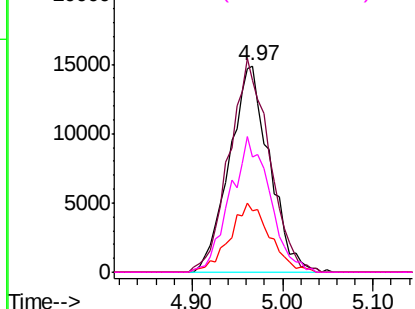
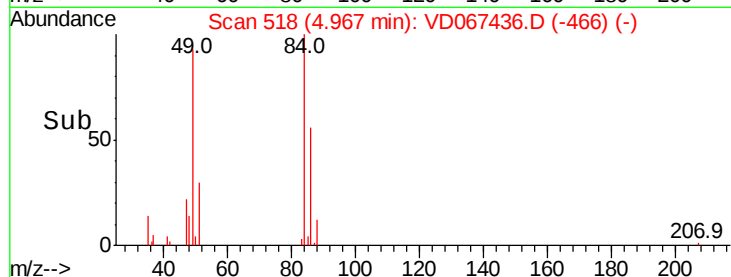
#20
Methylene Chloride
Concen: 11.178 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067436.D
Acq: 28 Oct 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
TT-032-IDWSO-20201027

Tot Ion: 84 Resp: 45869
Ion Ratio Lower Upper
84 100
49 93.0 72.2 108.2
51 29.5 23.8 35.8
86 56.0 48.2 72.4

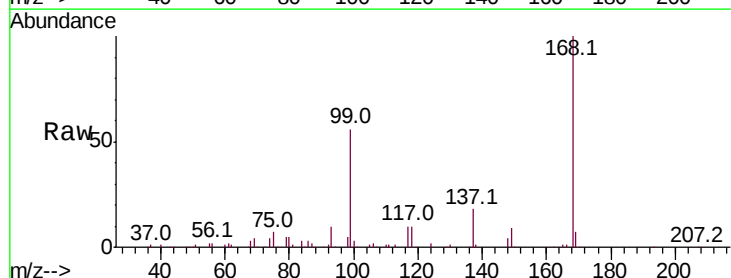


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

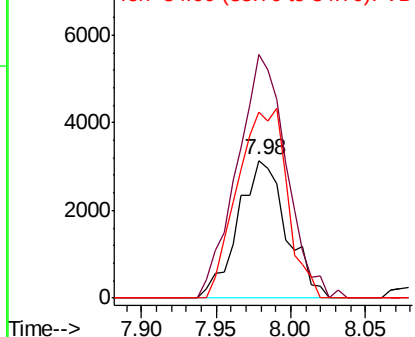
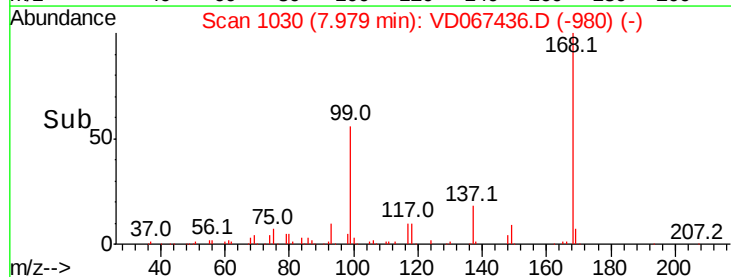


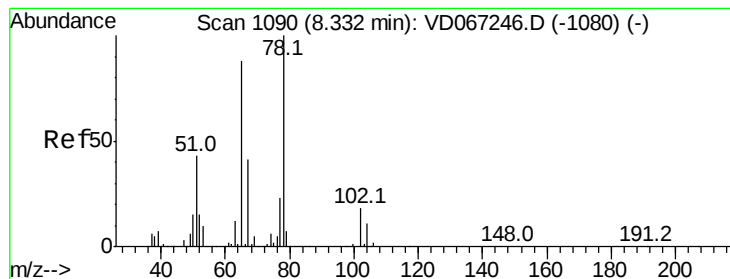
#31
Cyclohexane
Concen: 1.771 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067436.D
Acq: 28 Oct 2020 16:29

Tgt Ion: 56 Resp: 7112
Ion Ratio Lower Upper
56 100
69 176.7 29.8 44.6#
84 135.1 76.6 114.8#



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: 44.904 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

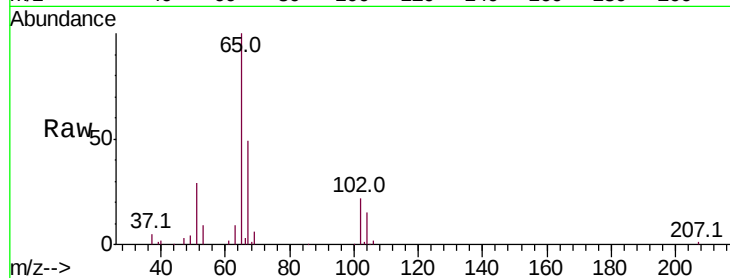
TT-032-IDWSO-20201027

Tot Ion: 65 Resp: 156581

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

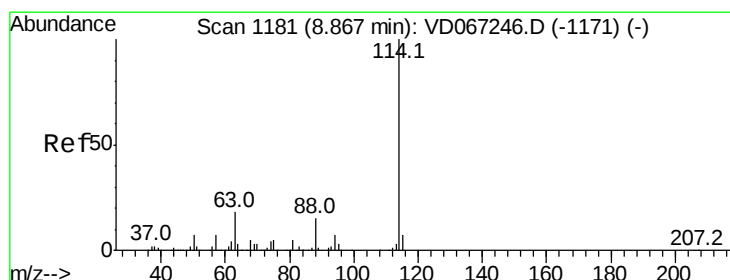
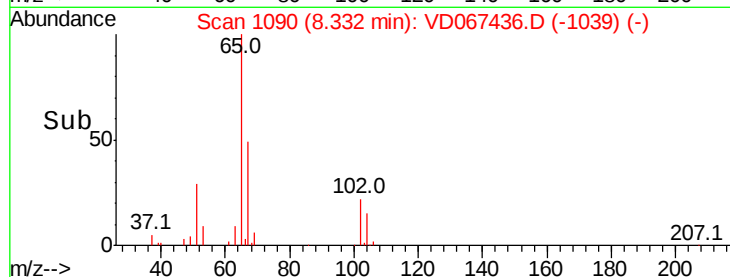
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

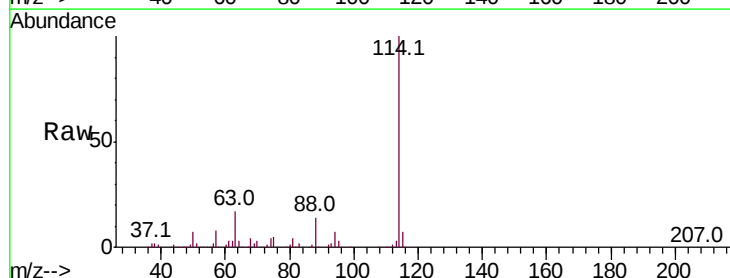
Tgt Ion: 114 Resp: 554447

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 14.3 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

8.87

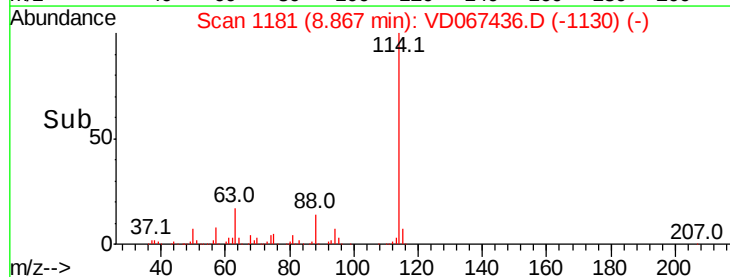
300000

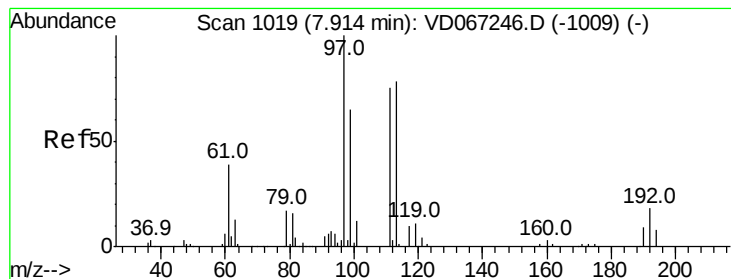
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95





#35

Dibromofluoromethane

Concen: 47.349 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :
TT-032-IDWSO-20201027

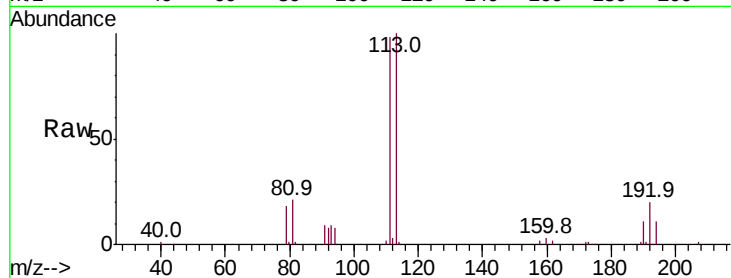
Tot Ion:113 Resp: 174709

Ion Ratio Lower Upper

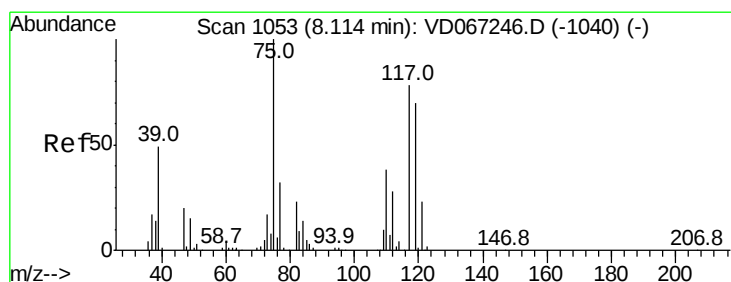
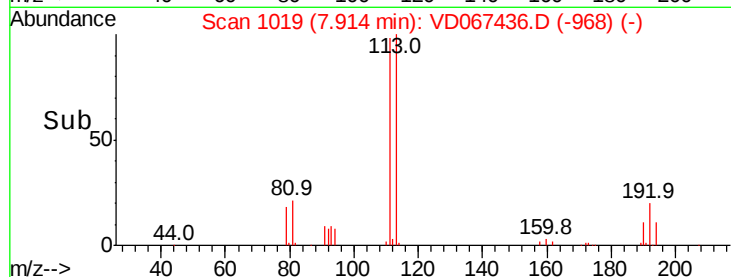
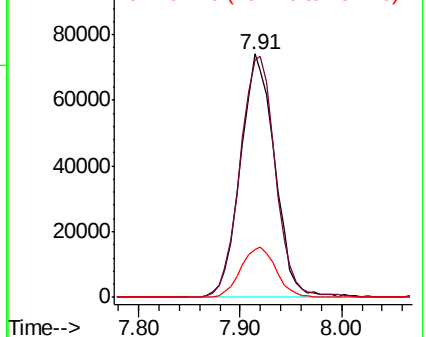
113 100

111 102.1 81.6 122.4

192 21.1 17.0 25.4



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: 5.257 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

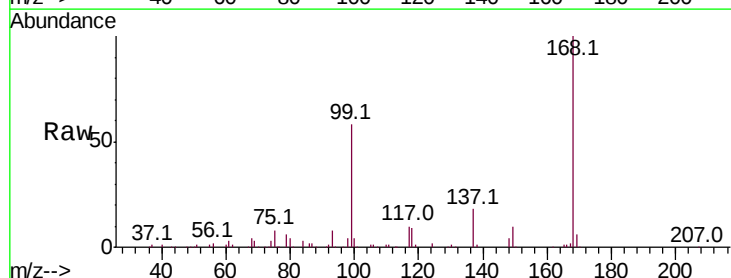
Tgt Ion: 75 Resp: 24704

Ion Ratio Lower Upper

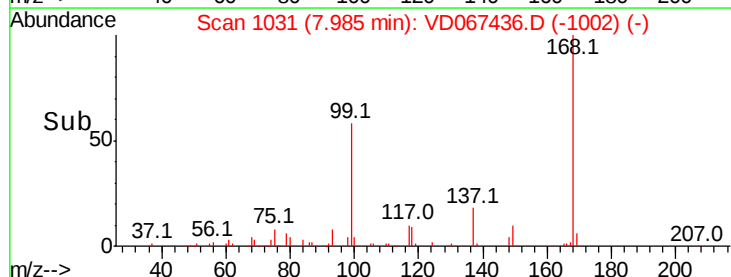
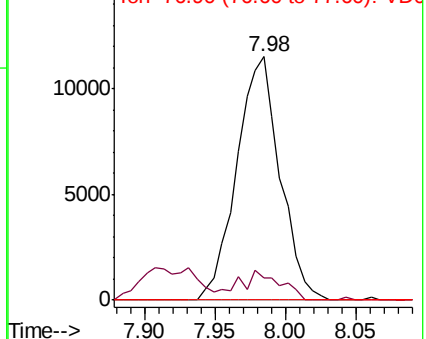
75 100

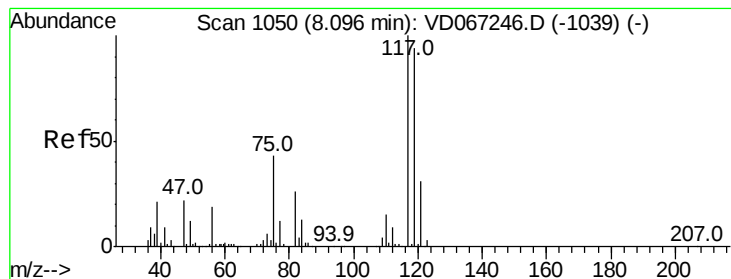
110 11.6 19.6 58.7#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

TT-032-IDWSO-20201027

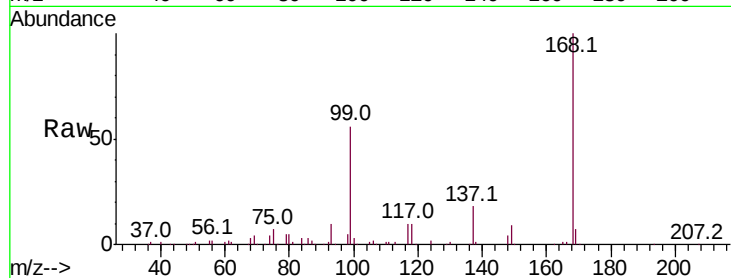
Tot Ion:117 Resp: 35586

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.4#

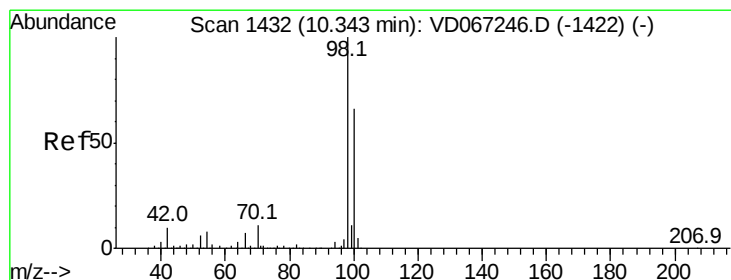
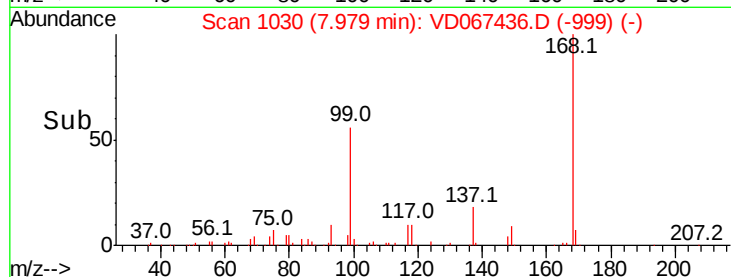
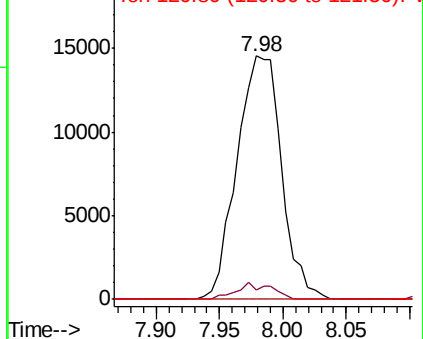
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.361 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067436.D

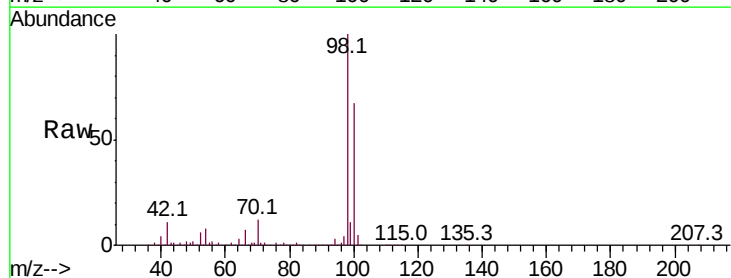
Acq: 28 Oct 2020 16:29

Tgt Ion: 98 Resp: 659125

Ion Ratio Lower Upper

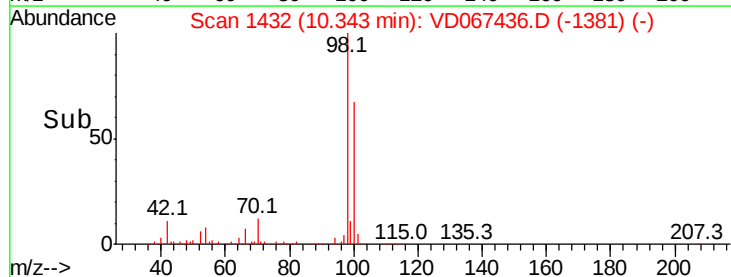
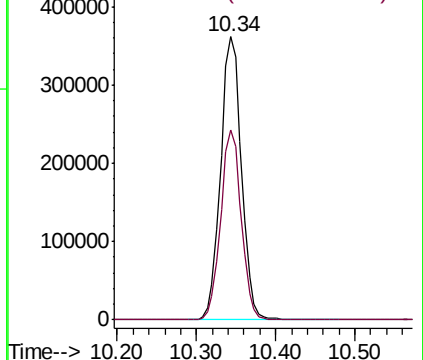
98 100

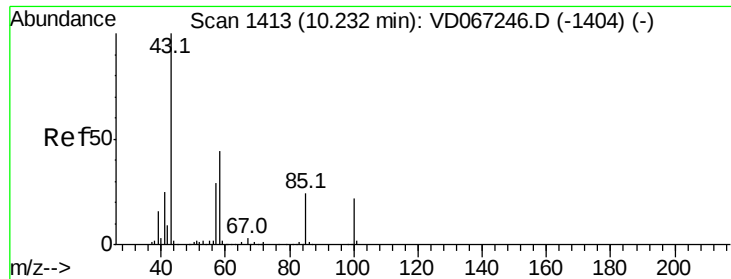
100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.004 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

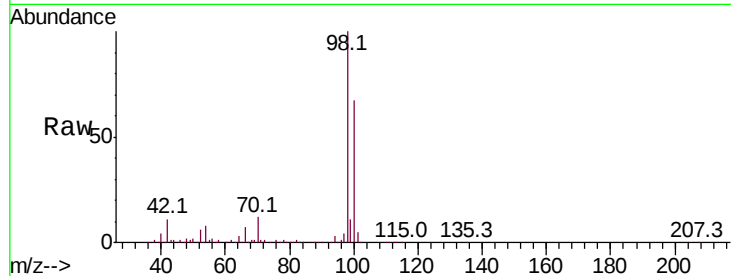
TT-032-IDWSO-20201027

Tot Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

58 186.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

3000

2500

2000

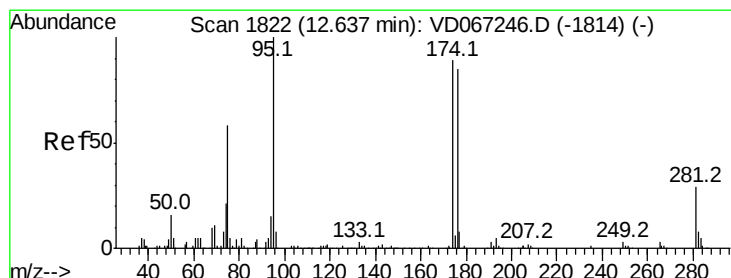
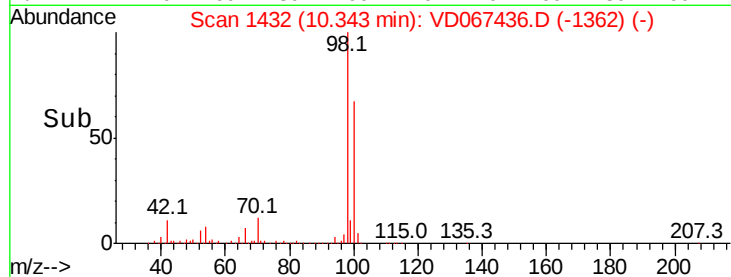
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.036 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

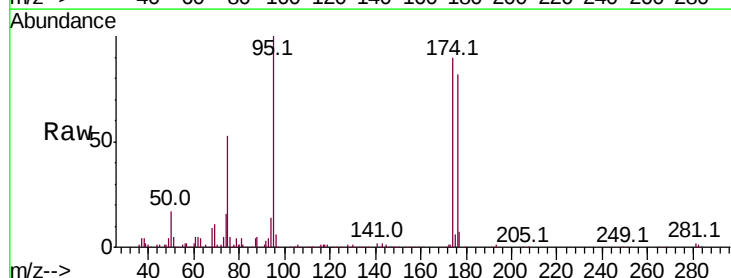
Tgt Ion: 95 Resp: 232329

Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.2

176 86.2 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

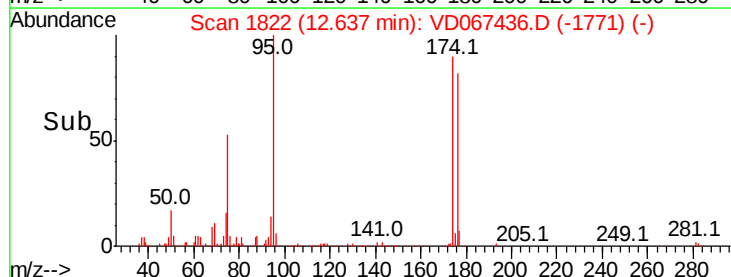
150000

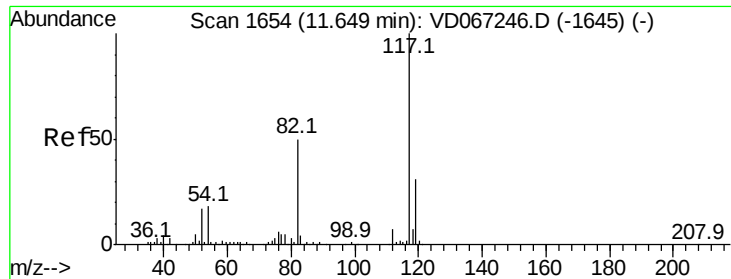
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50000

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Time-->

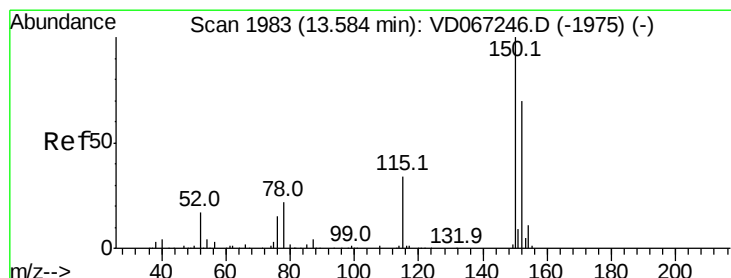
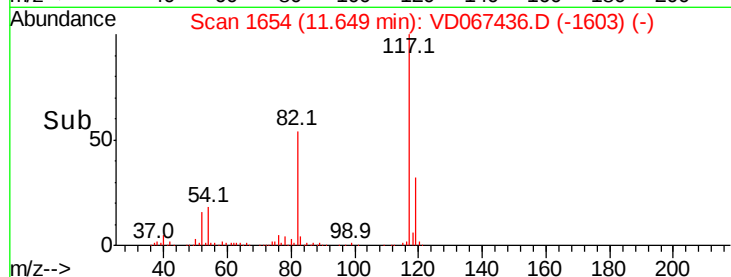
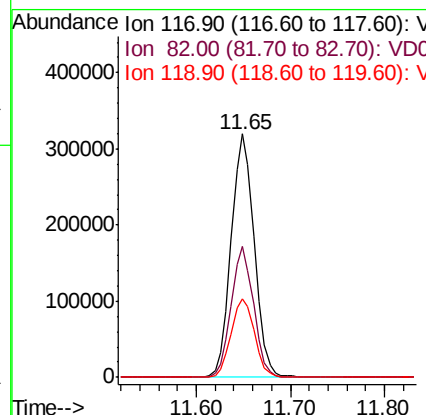
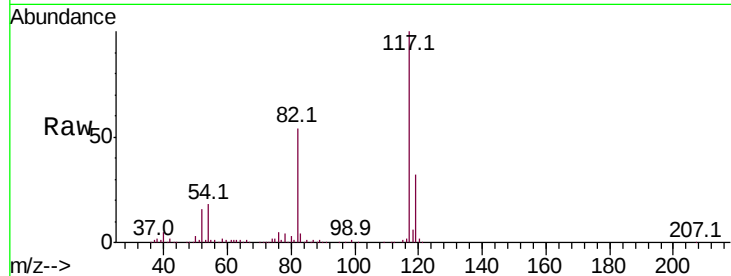




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067436.D
Acq: 28 Oct 2020 16:29

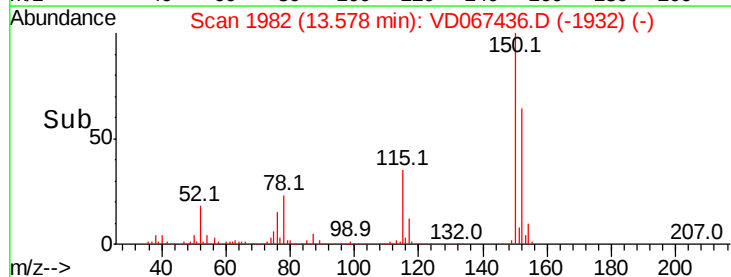
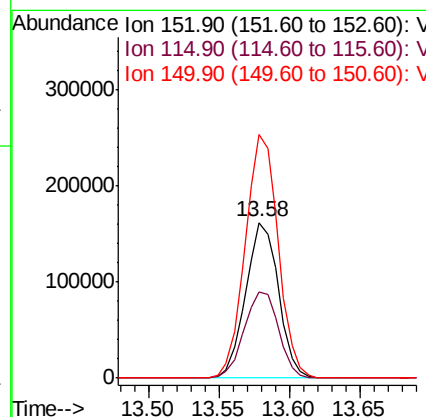
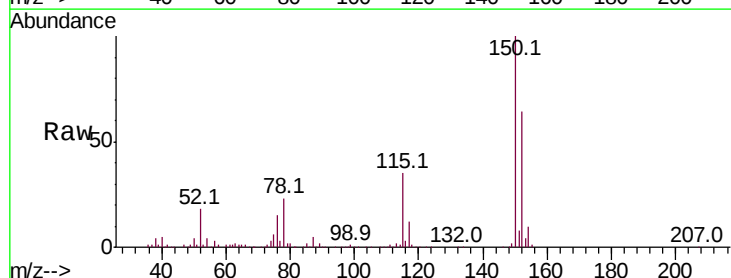
Instrument :
MSVOA_D
ClientSampleId :
TT-032-IDWSO-20201027

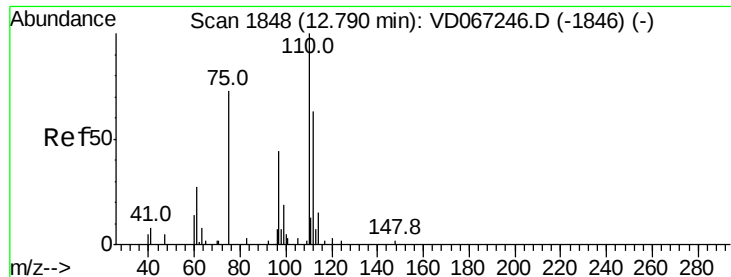
Tot Ion:117 Resp: 542914
Ion Ratio Lower Upper
117 100
82 53.8 39.9 59.9
119 32.4 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067436.D
Acq: 28 Oct 2020 16:29

Tgt Ion:152 Resp: 264648
Ion Ratio Lower Upper
152 100
115 58.2 29.3 87.9
150 156.8 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 64.985 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

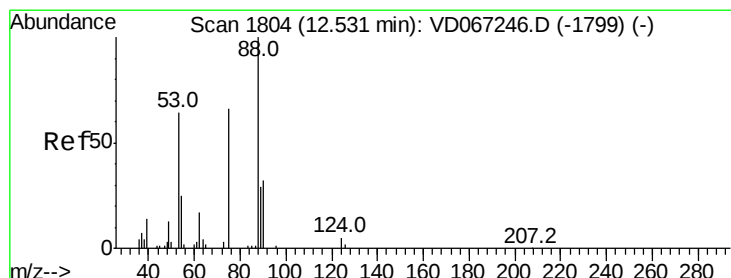
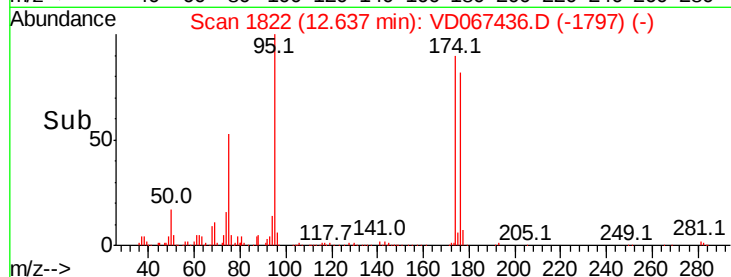
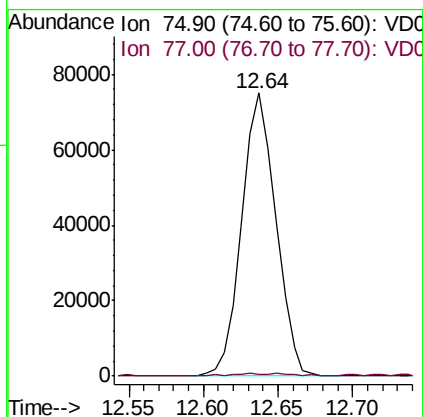
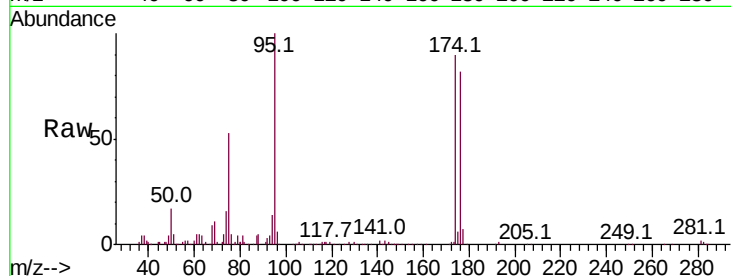
TT-032-IDWSO-20201027

Tot Ion: 75 Resp: 119200

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.367 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067436.D

Acq: 28 Oct 2020 16:29

Tgt Ion: 75 Resp: 119200

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

