

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067437.D
 Acq On : 28 Oct 2020 16:56
 Operator : VA/SY
 Sample : L4547-02
 Misc : 8.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-033-IDWSO-20201027

Quant Time: Oct 29 00:46:26 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	320783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	515630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	499136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258217	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	152389	47.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.84%	
35) Dibromofluoromethane	7.91	113	165142	48.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.24%	
50) Toluene-d8	10.34	98	603159	48.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.64	95	218618	50.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.26%	

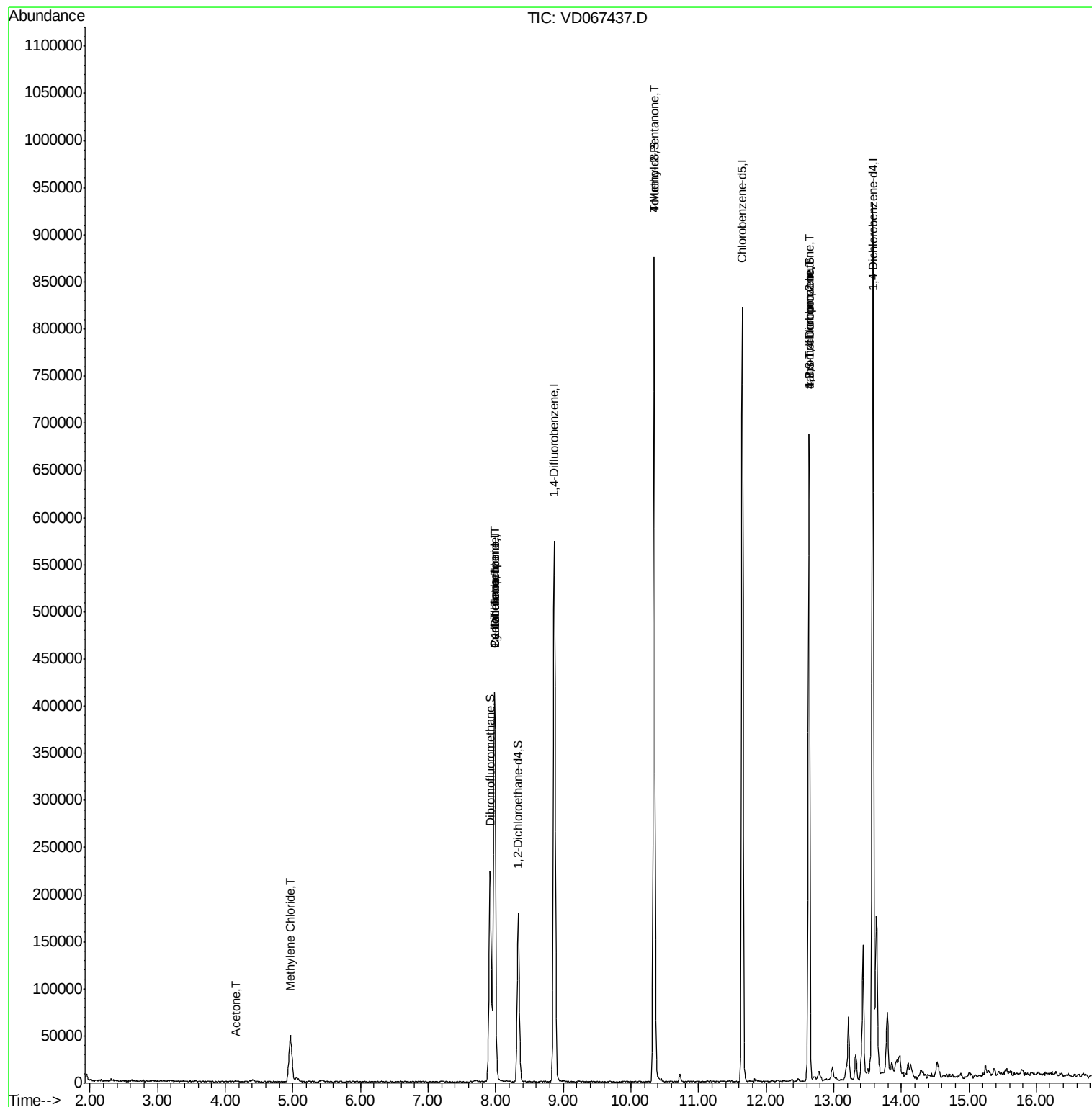
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	457	Below Cal	#	50
16) Acetone	4.16	43	1322	2.937	ug/l #	42
20) Methylene Chloride	4.96	84	40985	10.687	ug/l	98
31) Cyclohexane	7.98	56	6109	1.650	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	24707	5.653	ug/l #	50
38) Carbon Tetrachloride	7.98	117	32948	5.899	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2297	1.805	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	110911	61.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110911	140.535	ug/l #	10

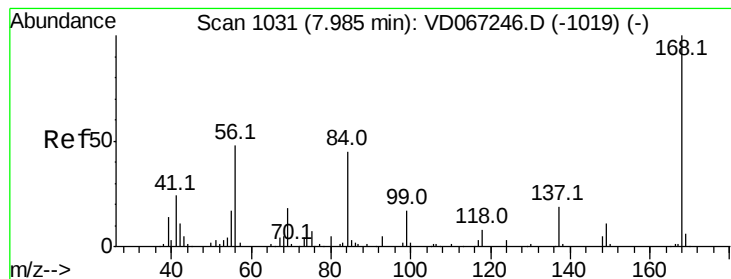
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067437.D

Acq: 28 Oct 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

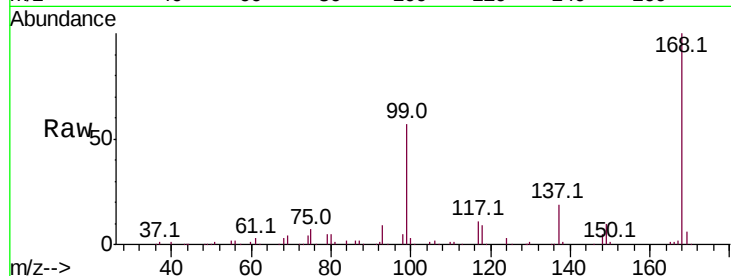
TT-033-IDWSO-20201027

Tot Ion:168 Resp: 320783

Ion Ratio Lower Upper

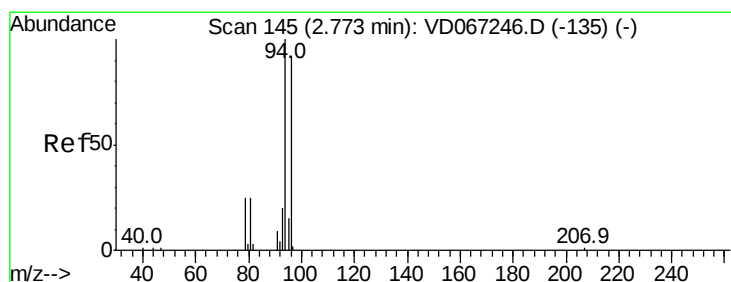
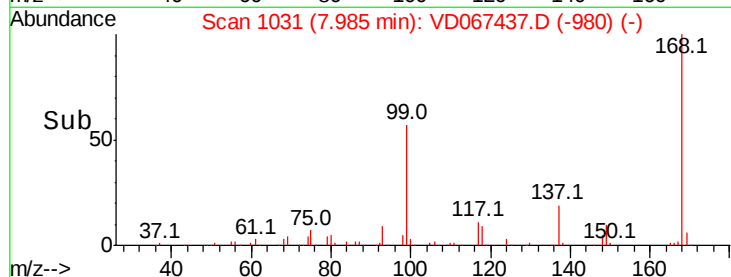
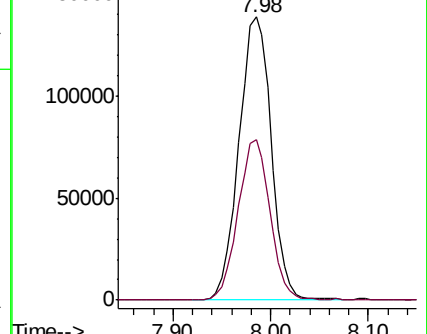
168 100

99 56.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067437.D

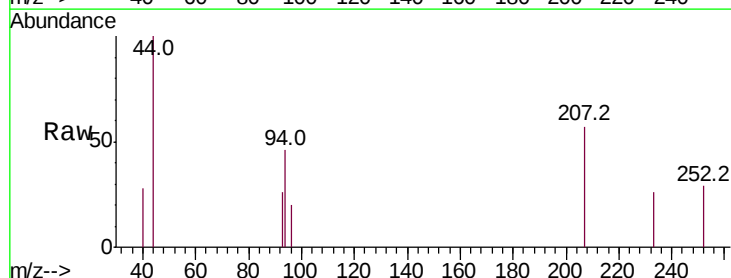
Acq: 28 Oct 2020 16:56

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

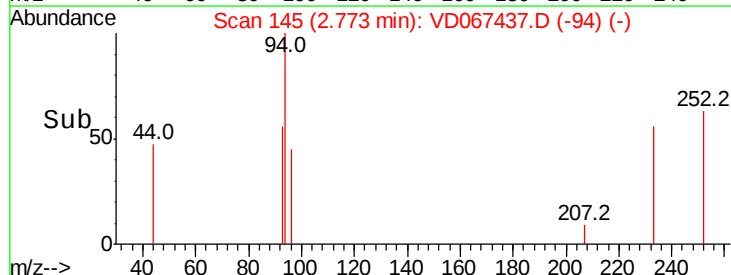
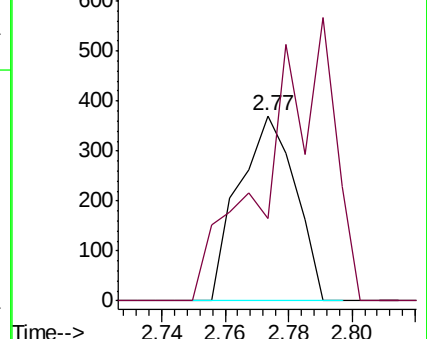
94 100

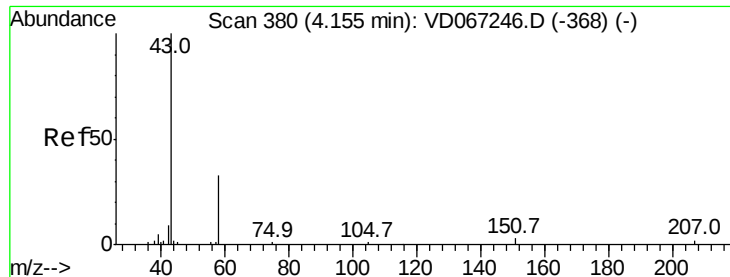
96 44.6 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 2.937 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067437.D

Acq: 28 Oct 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

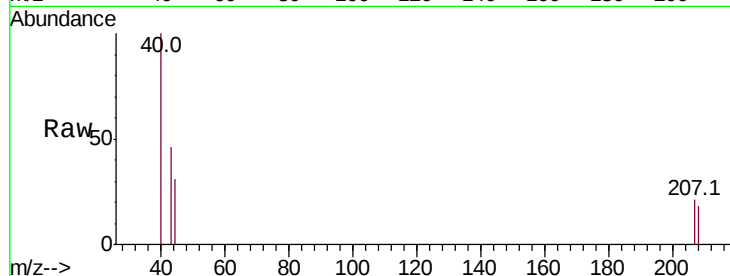
TT-033-IDWSO-20201027

Tot Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



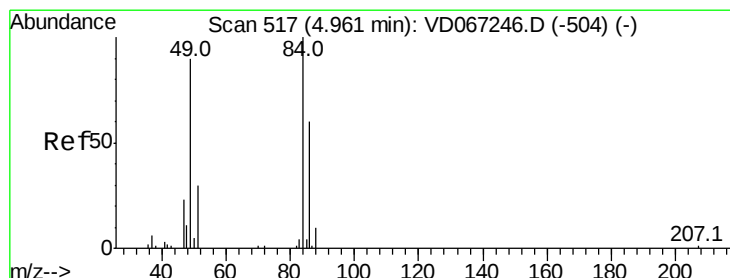
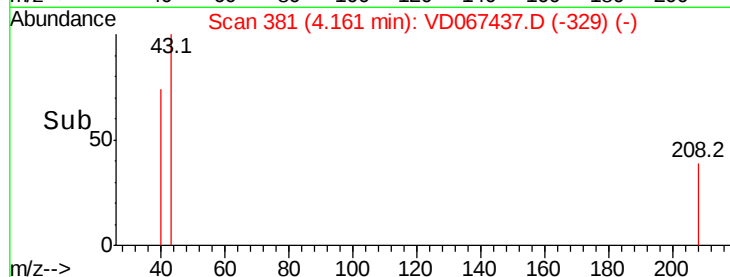
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 10.687 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067437.D

Acq: 28 Oct 2020 16:56

Tgt Ion: 84 Resp: 40985

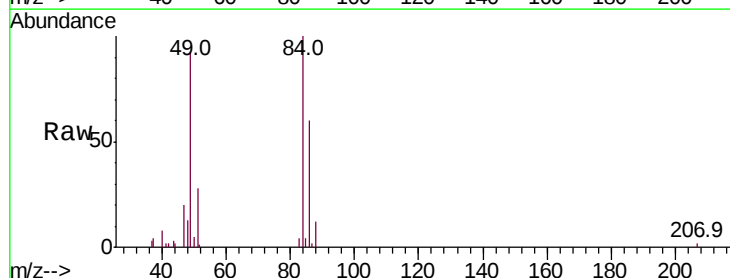
Ion Ratio Lower Upper

84 100

49 92.0 72.2 108.2

51 27.9 23.8 35.8

86 59.9 48.2 72.4



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

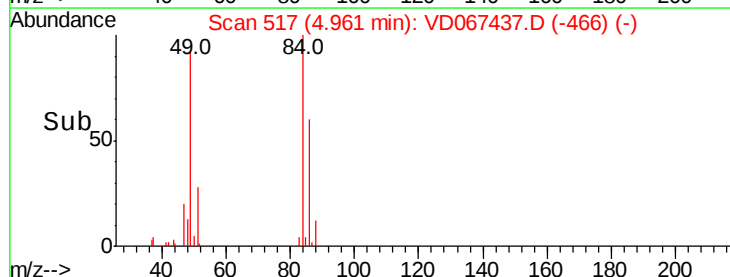
Ion 50.90 (50.60 to 51.60): VDC

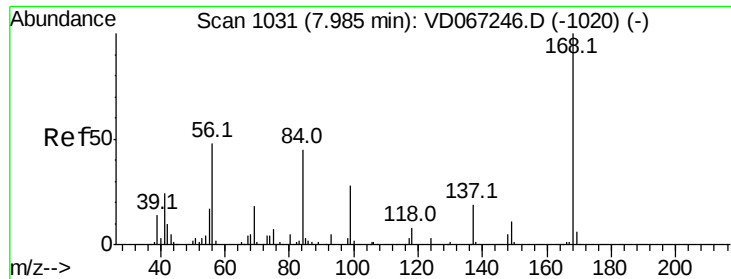
Ion 85.90 (85.60 to 86.60): VDC

4.96

4.90 5.00

Time-->

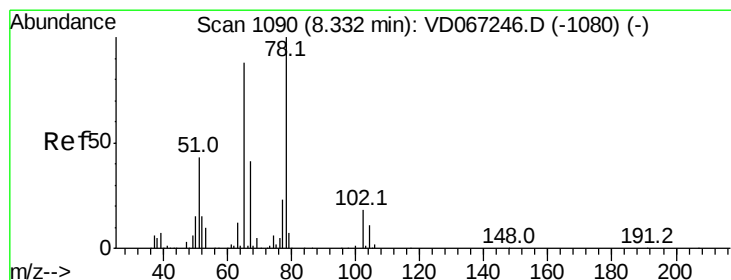
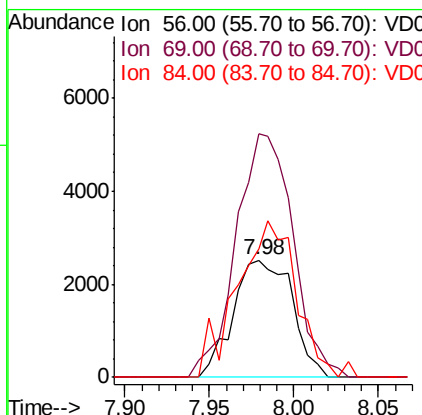
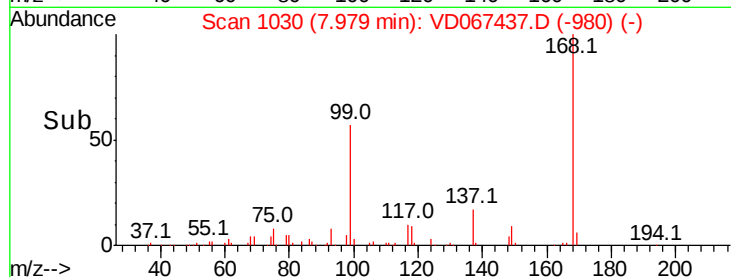
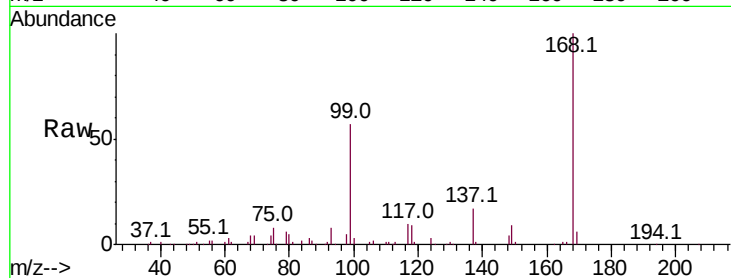




#31
Cyclohexane
Concen: 1.650 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067437.D
Acq: 28 Oct 2020 16:56

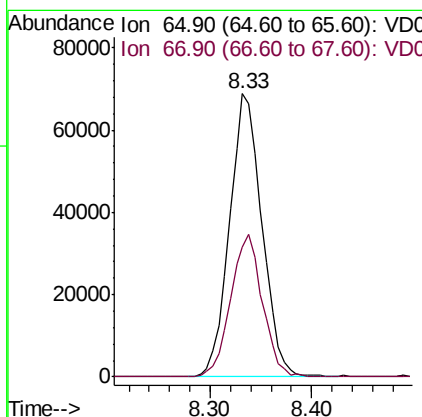
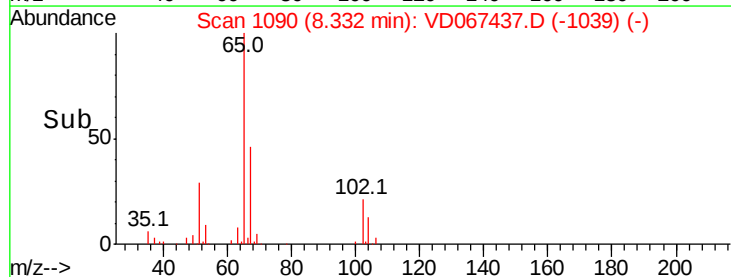
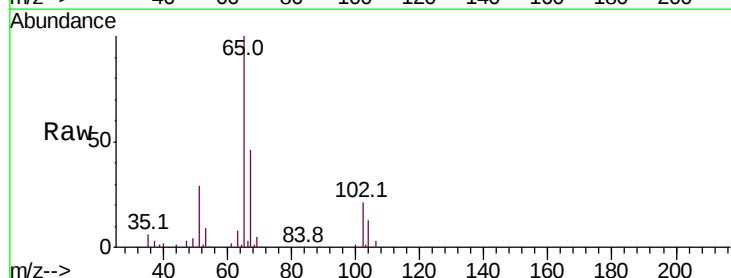
Instrument :
MSVOA_D
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TT-033-IDWSO-20201027

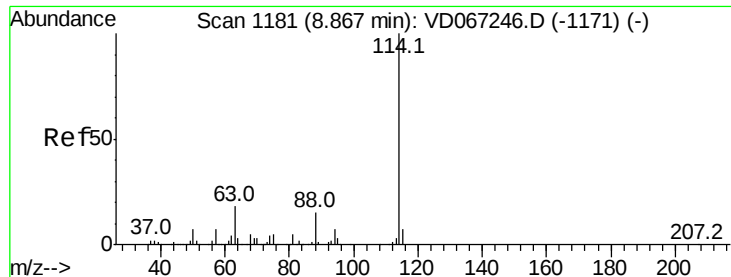
Tot Ion: 56 Resp: 6109
Ion Ratio Lower Upper
56 100
69 208.0 29.8 44.6#
84 109.5 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 47.418 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067437.D
Acq: 28 Oct 2020 16:56

Tgt Ion: 65 Resp: 152389
Ion Ratio Lower Upper
65 100
67 49.1 0.0 103.8

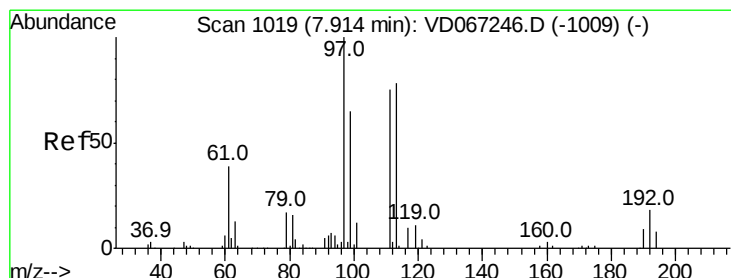
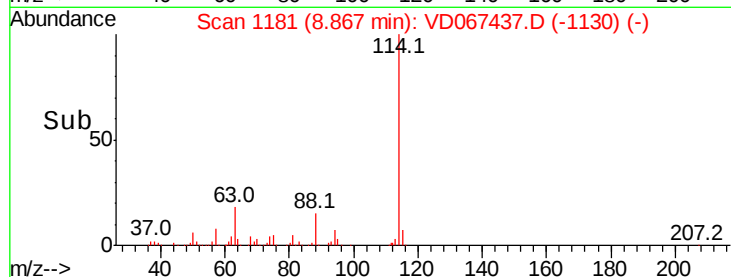
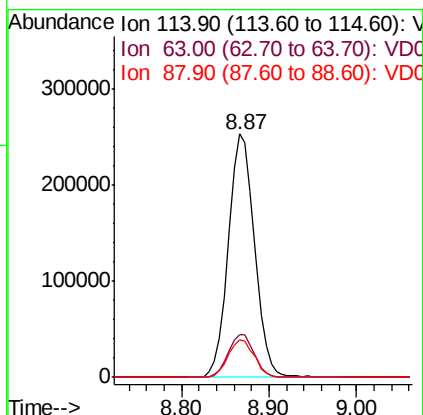
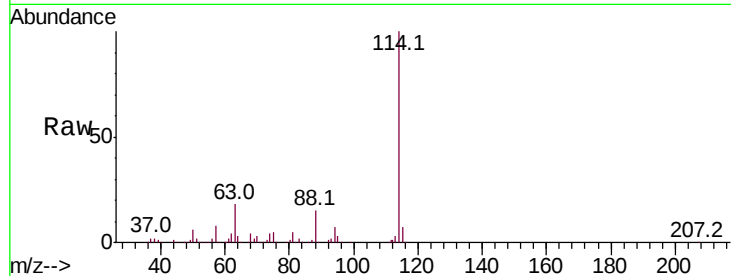




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067437.D
 Acq: 28 Oct 2020 16:56

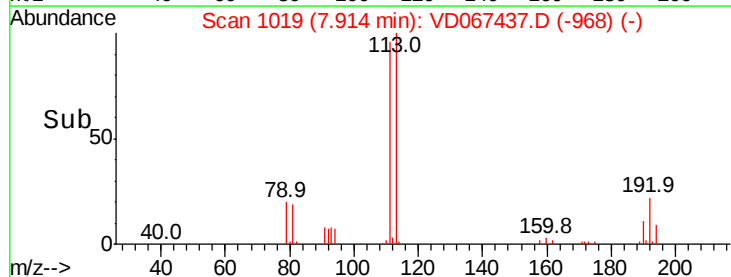
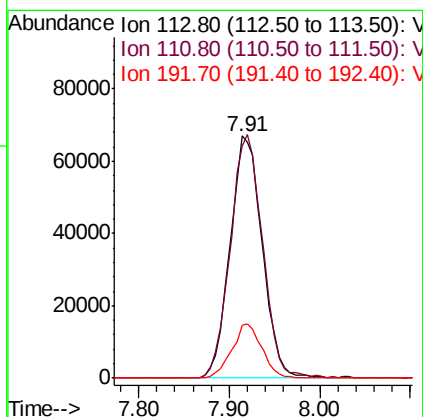
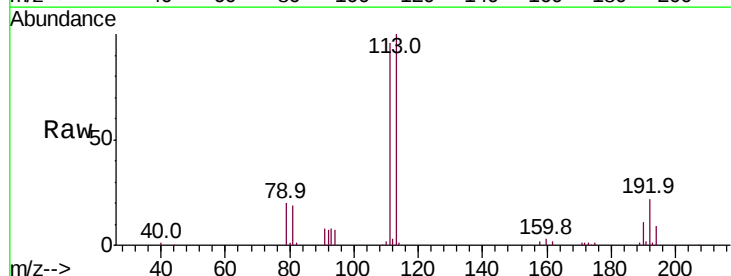
Instrument :
 MSVOA_D
 ClientSampleId :
 TT-033-IDWSO-20201027

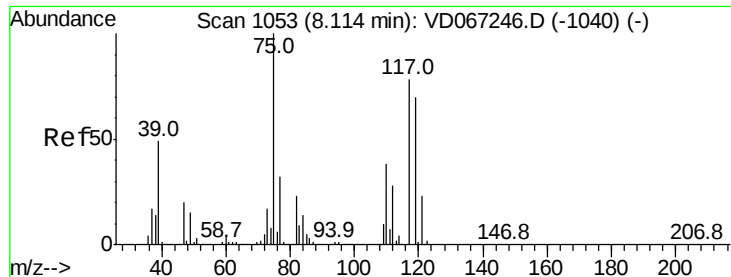
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.0
88	15.3	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 48.125 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067437.D
 Acq: 28 Oct 2020 16:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.6	122.4
192	20.9	17.0	25.4





#36

1,1-Dichloropropene

Concen: 5.653 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067437.D

Acq: 28 Oct 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

TT-033-IDWSO-20201027

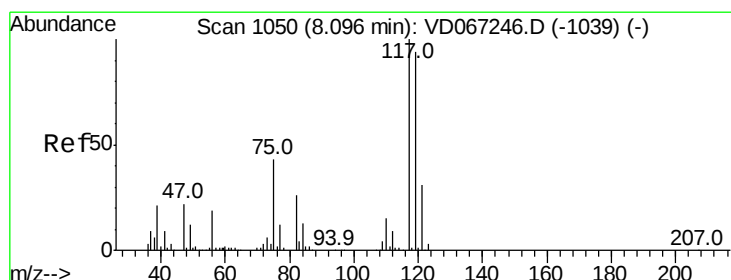
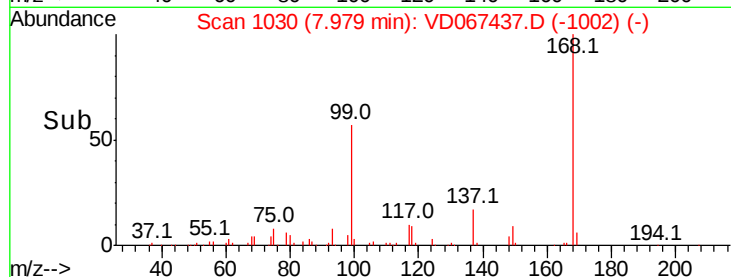
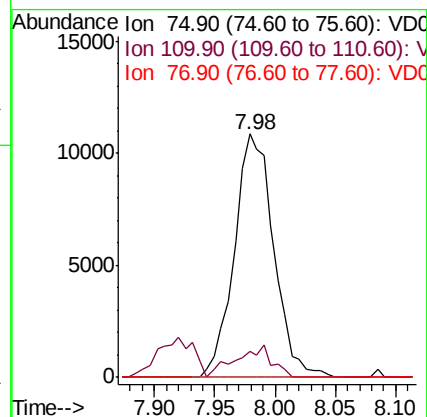
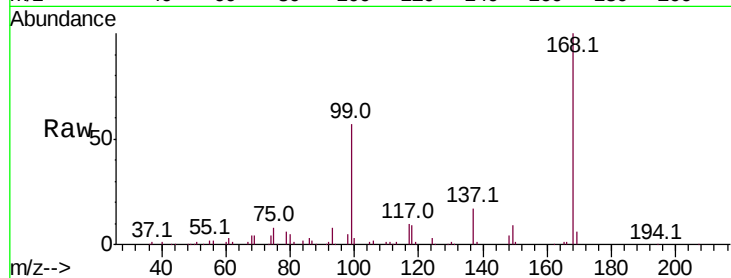
Tot Ion: 75 Resp: 24707

Ion Ratio Lower Upper

75 100

110 12.1 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067437.D

Acq: 28 Oct 2020 16:56

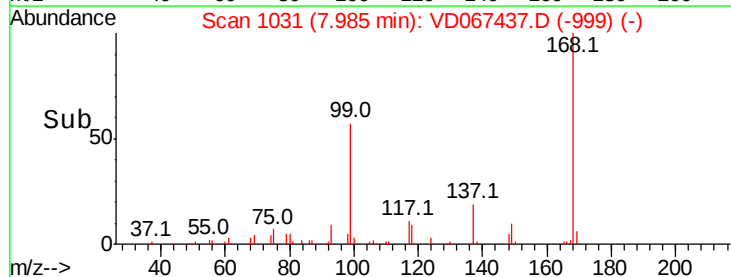
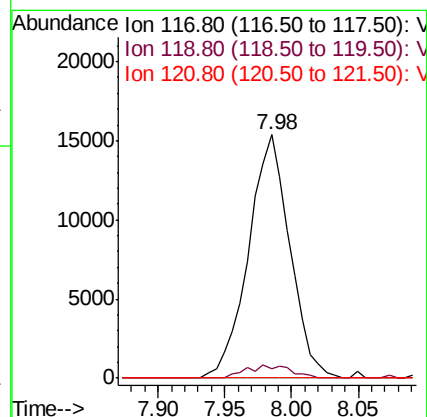
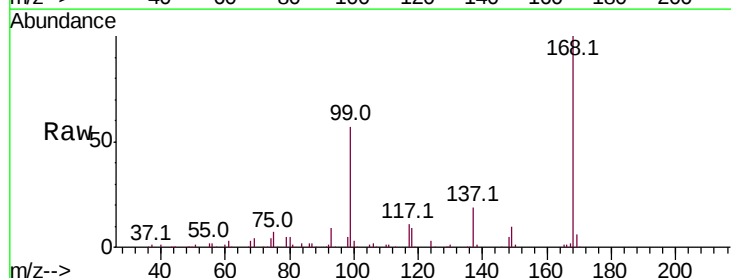
Tgt Ion: 117 Resp: 32948

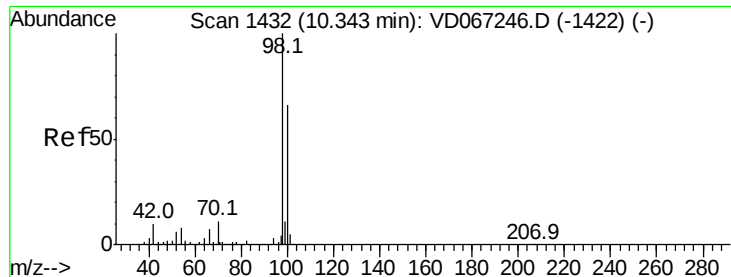
Ion Ratio Lower Upper

117 100

119 3.6 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.570 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067437.D

Acq: 28 Oct 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

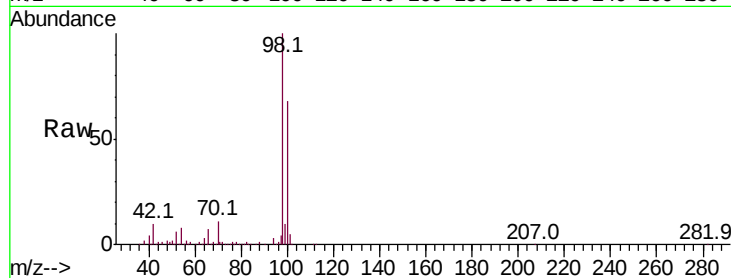
TT-033-IDWSO-20201027

Tot Ion: 98 Resp: 603159

Ion Ratio Lower Upper

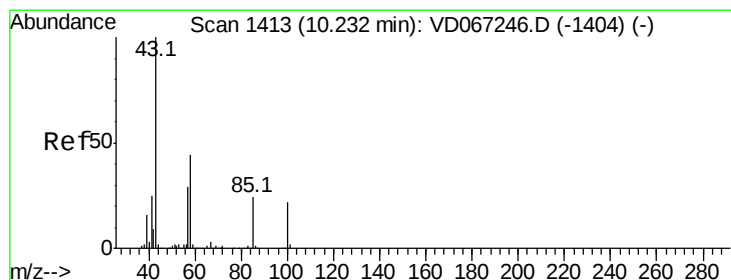
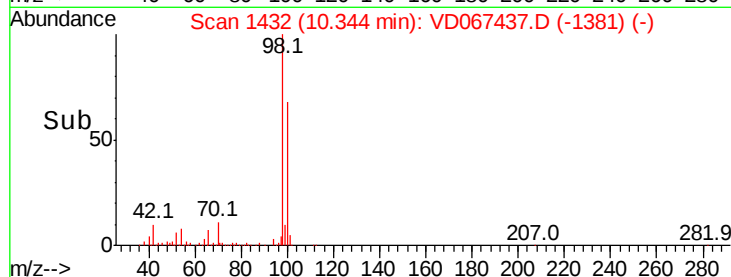
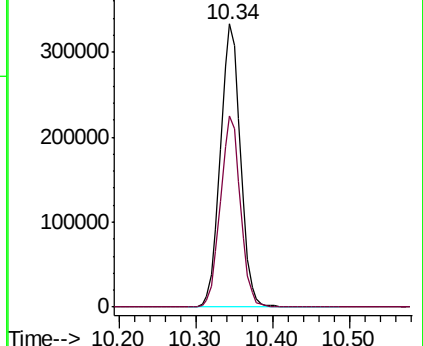
98 100

100 67.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.805 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067437.D

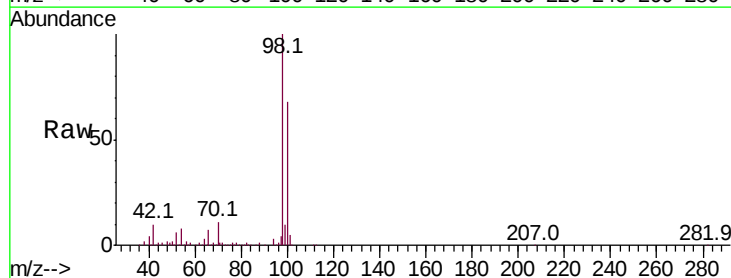
Acq: 28 Oct 2020 16:56

Tgt Ion: 43 Resp: 2297

Ion Ratio Lower Upper

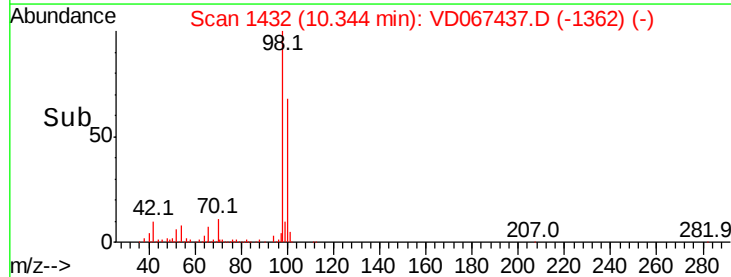
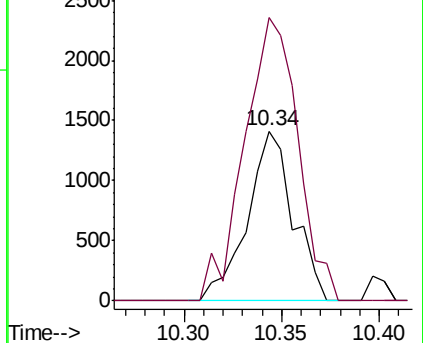
43 100

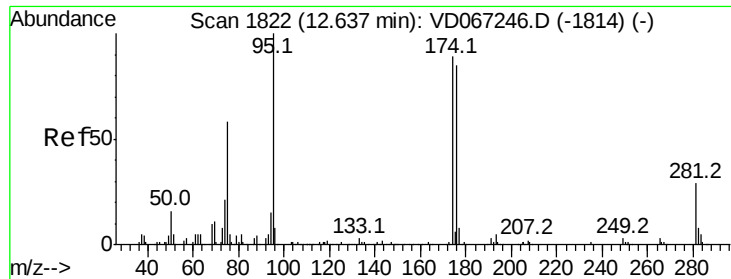
58 194.9 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

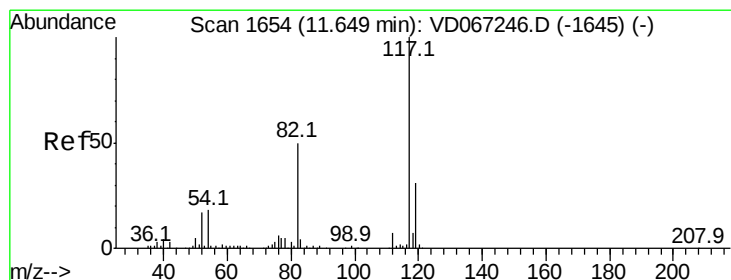
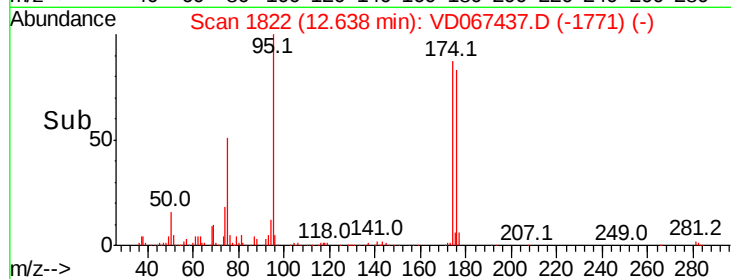
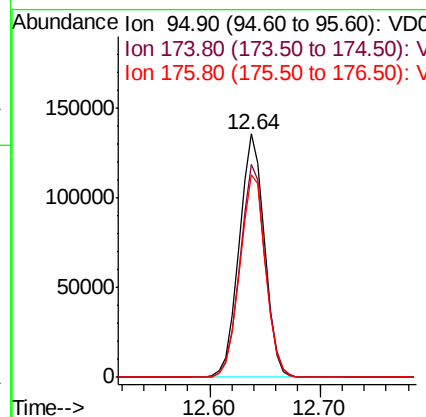
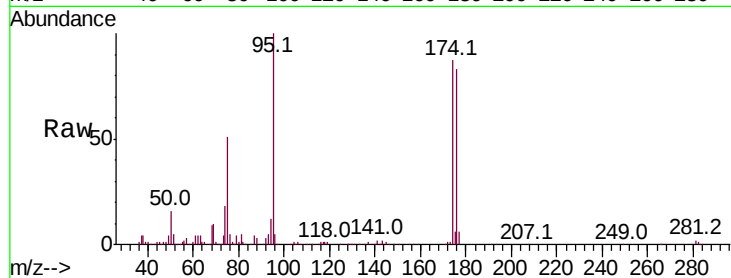




#62
4-Bromofluorobenzene
Concen: 50.628 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067437.D
Acq: 28 Oct 2020 16:56

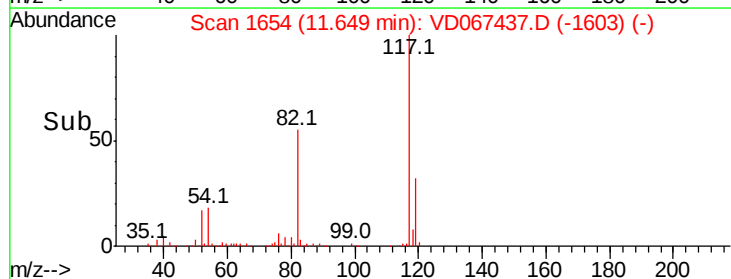
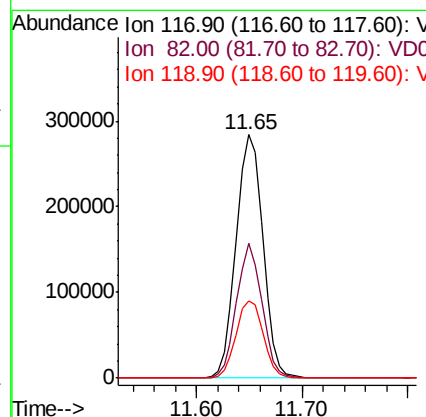
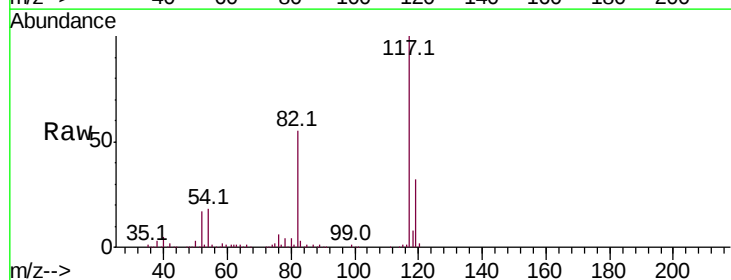
Instrument :
MSVOA_D
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TT-033-IDWSO-20201027

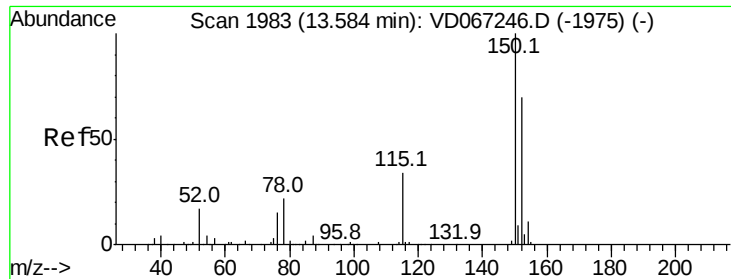
Tot Ion: 95 Resp: 218618
Ion Ratio Lower Upper
95 100
174 87.4 0.0 175.2
176 84.4 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067437.D
Acq: 28 Oct 2020 16:56

Tgt Ion: 117 Resp: 499136
Ion Ratio Lower Upper
117 100
82 55.3 39.9 59.9
119 31.5 24.9 37.3



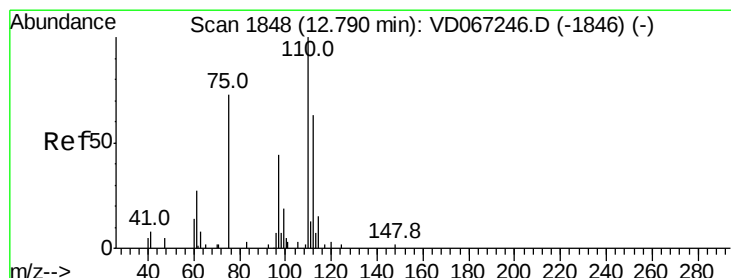
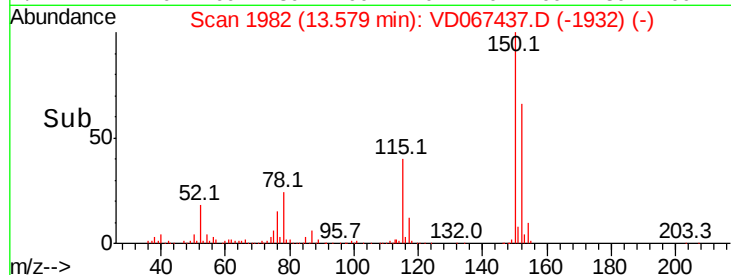
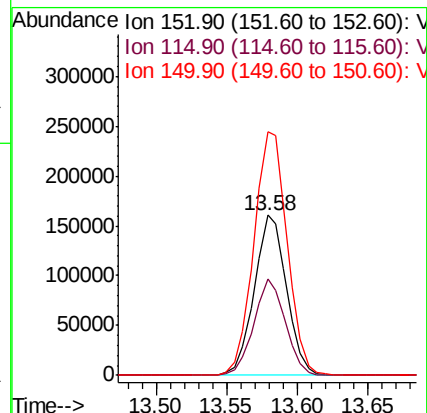
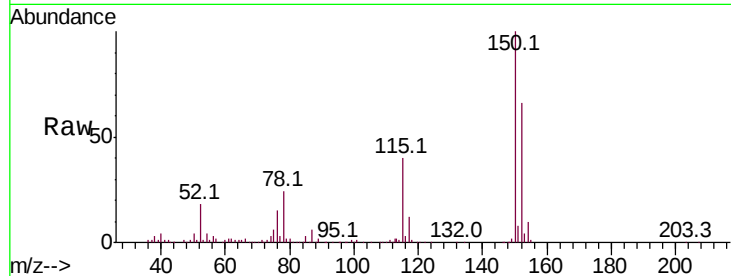


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067437.D
Acq: 28 Oct 2020 16:56

Instrument :
MSVOA_D
ClientSampleId :
TT-033-IDWSO-20201027

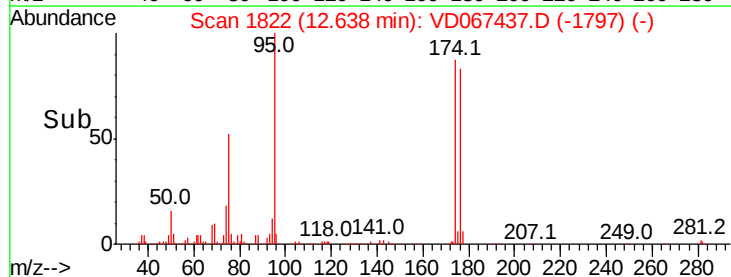
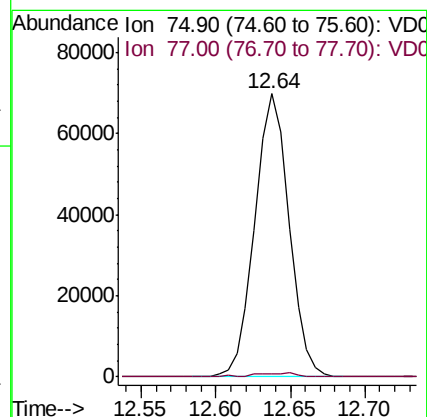
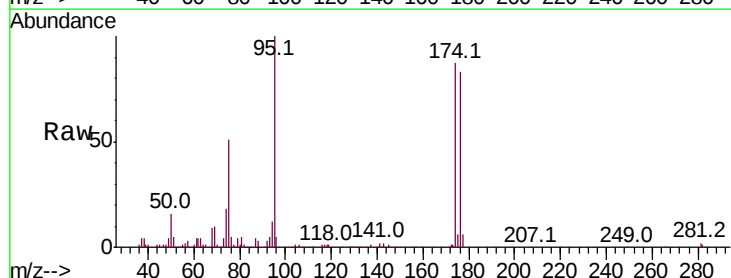
Tot Ion:152 Resp: 258217
Ion Ratio Lower Upper
152 100
115 58.7 29.3 87.9
150 157.1 0.0 339.0

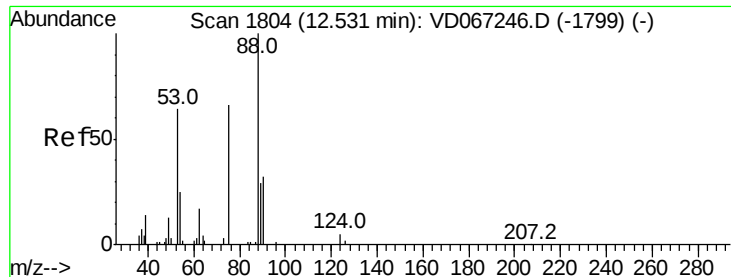


#76

1,2,3-Trichloropropane
Concen: 61.972 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067437.D
Acq: 28 Oct 2020 16:56

Tgt Ion: 75 Resp: 110911
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.535 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067437.D

Acq: 28 Oct 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

TT-033-IDWSO-20201027

Tot Ion: 75 Resp: 110911

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

