

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067256.D
 Acq On : 13 Oct 2020 17:03
 Operator : VA/SY
 Sample : L4217-01
 Misc : 8.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-101220

Quant Time: Oct 14 02:12:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

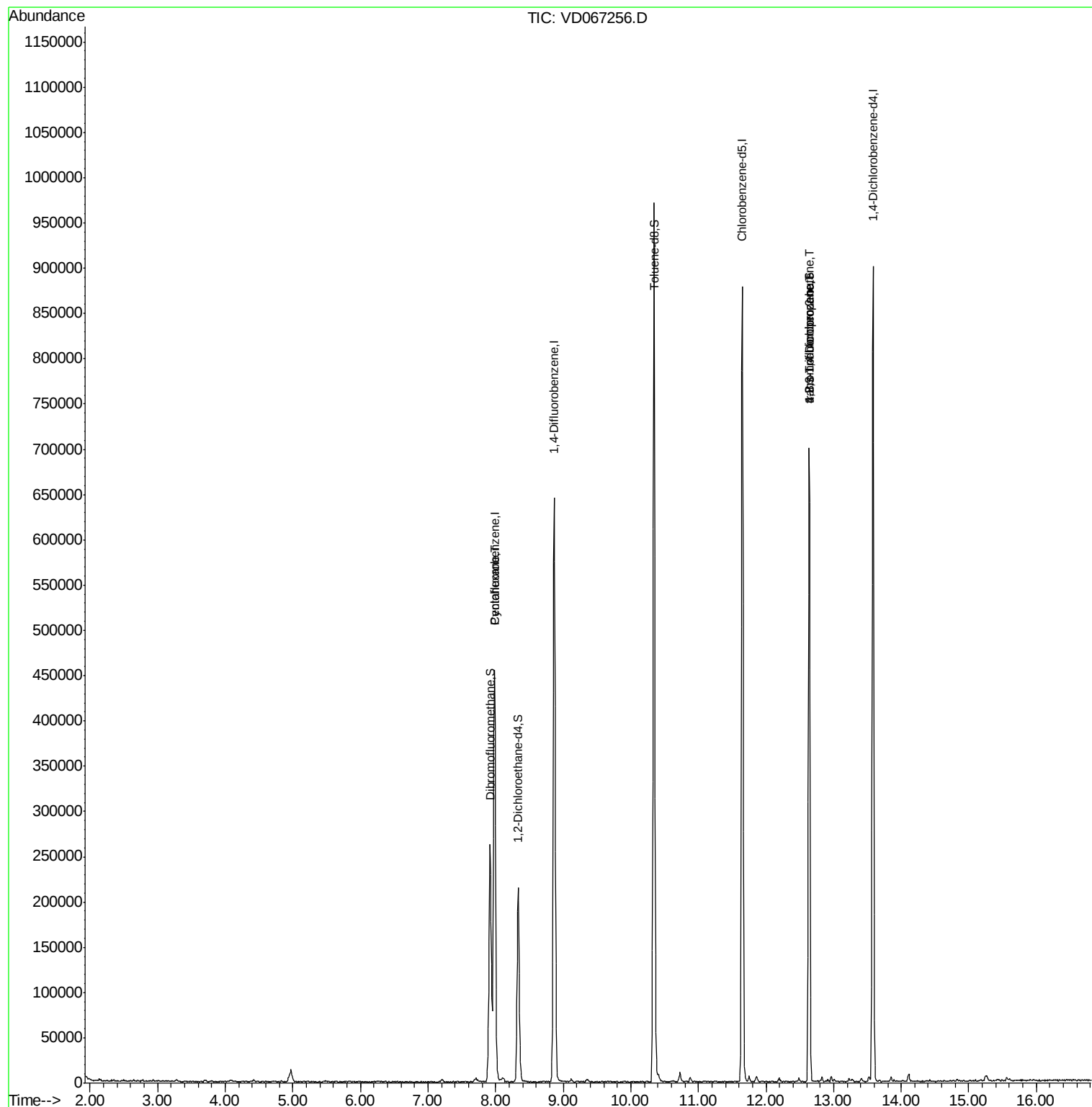
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	341340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	568440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	534388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	177448	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
35) Dibromofluoromethane	7.92	113	187068	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
50) Toluene-d8	10.34	98	669334	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.64	95	225635	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1096	Below Cal	#	44
5) Bromomethane	2.77	94	799	Below Cal		82
20) Methylene Chloride	4.96	84	4816	Below Cal		93
31) Cyclohexane	7.99	56	7272	1.846	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	114407	66.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	114407	151.798	ug/l #	10

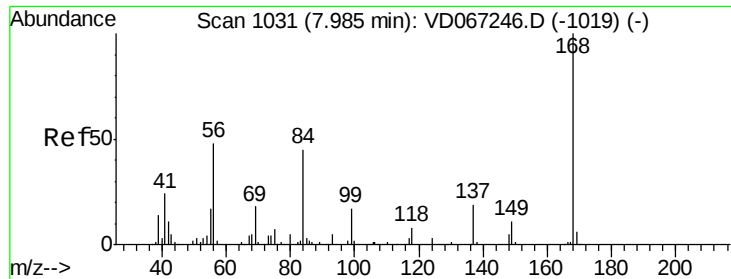
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 13 13:05:03 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: VD067256.D

Acq: 13 Oct 2020 17:03

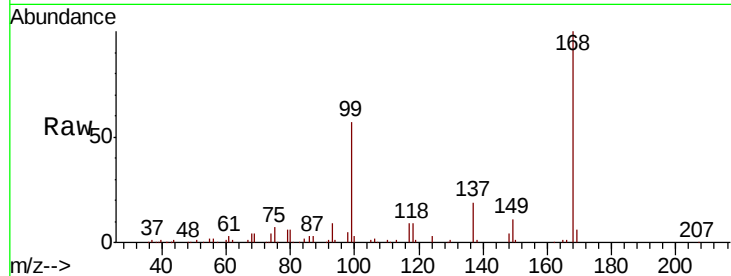
Instrument :
MSVOA_D
ClientSampleId :
HR-01-101220

Tot Ion:168 Resp: 341340

Ion Ratio Lower Upper

168 100

99 56.9 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

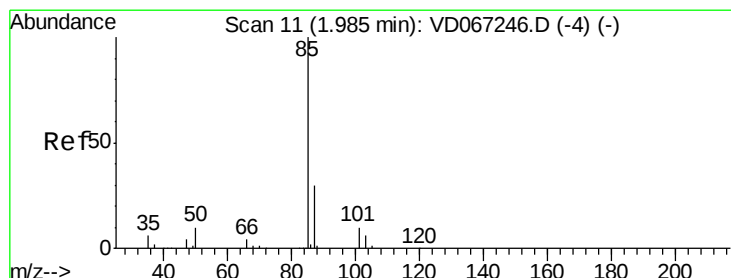
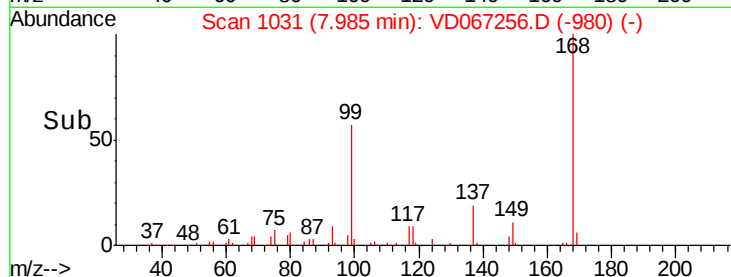
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067256.D

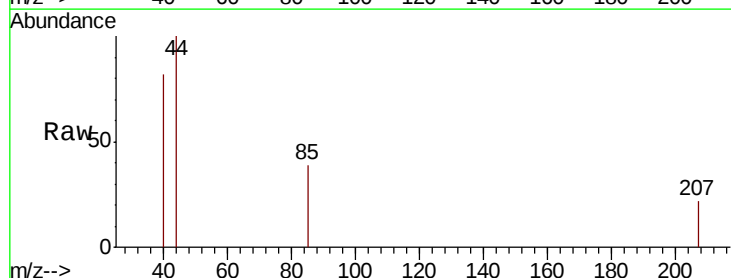
Acq: 13 Oct 2020 17:03

Tgt Ion: 85 Resp: 1096

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

1.99

1000

800

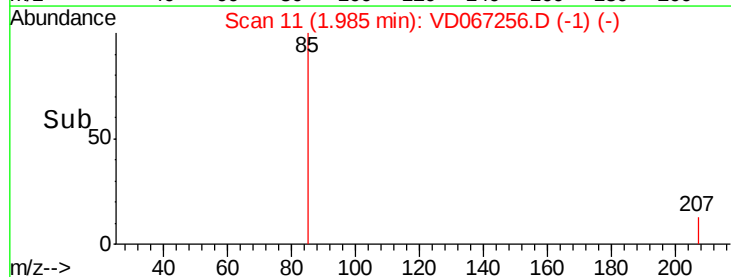
600

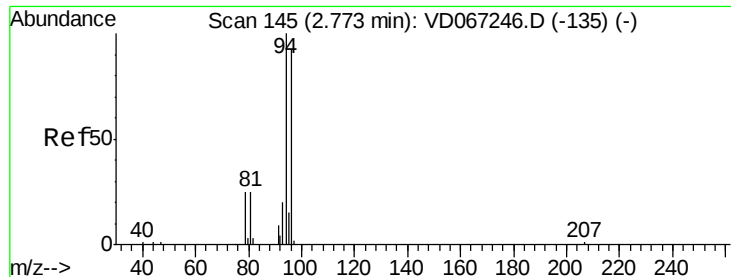
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067256.D

Acq: 13 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

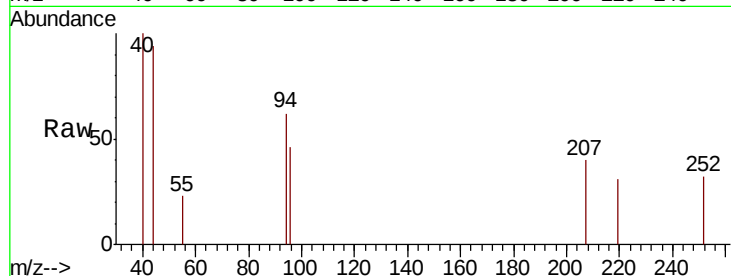
HR-01-101220

Tot Ion: 94 Resp: 799

Ion Ratio Lower Upper

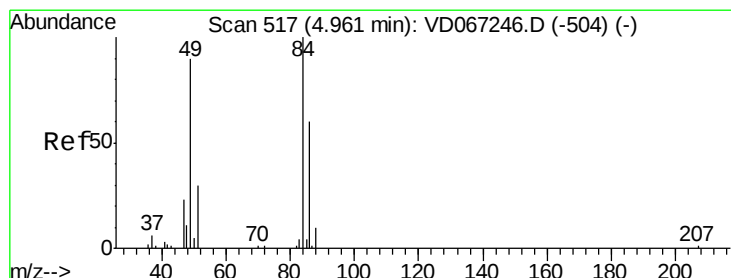
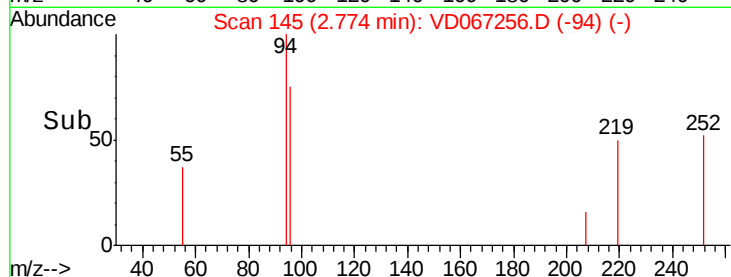
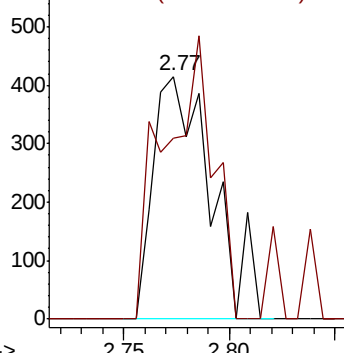
94 100

96 74.7 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: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067256.D

Acq: 13 Oct 2020 17:03

Tgt Ion: 84 Resp: 4816

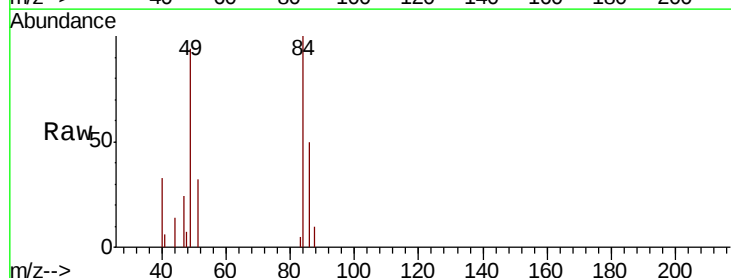
Ion Ratio Lower Upper

84 100

49 94.2 72.2 108.2

51 31.9 23.8 35.8

86 50.4 48.2 72.4

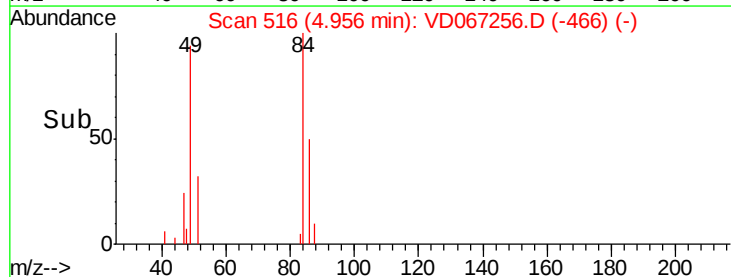
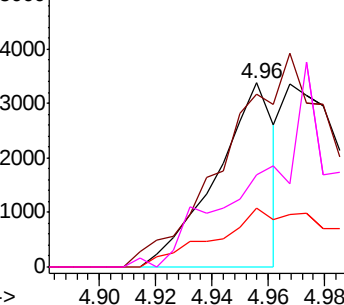


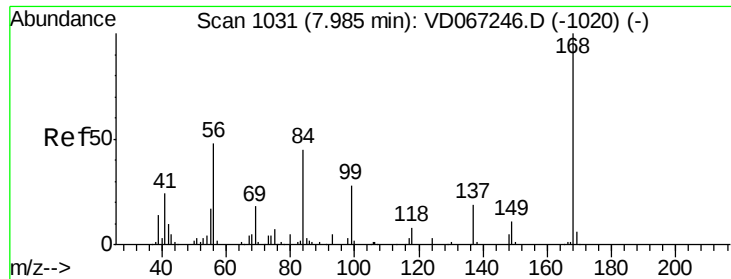
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

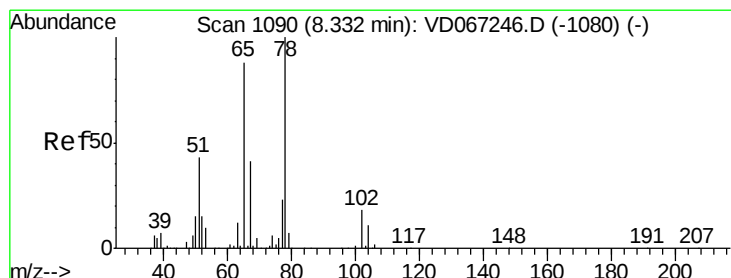
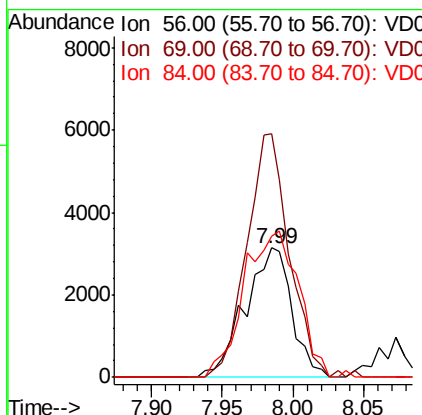
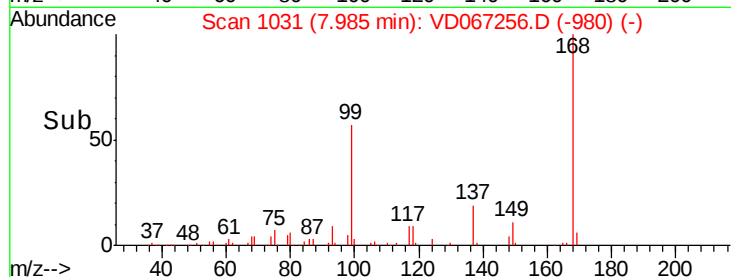
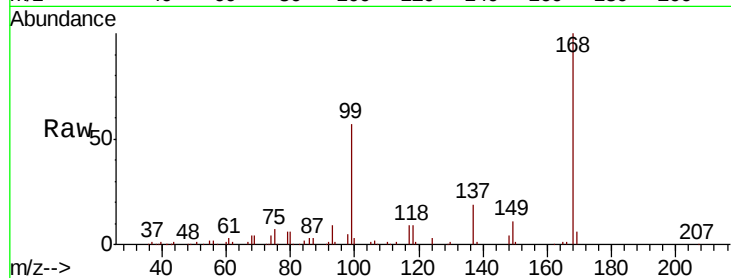




#31
Cyclohexane
Concen: 1.846 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067256.D
Acq: 13 Oct 2020 17:03

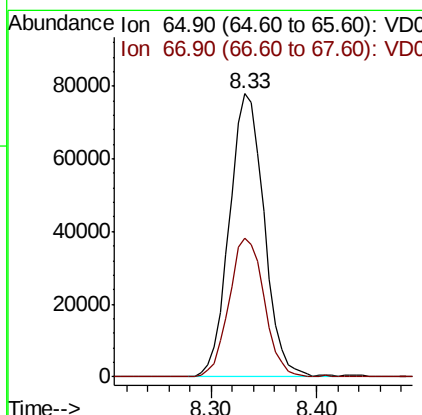
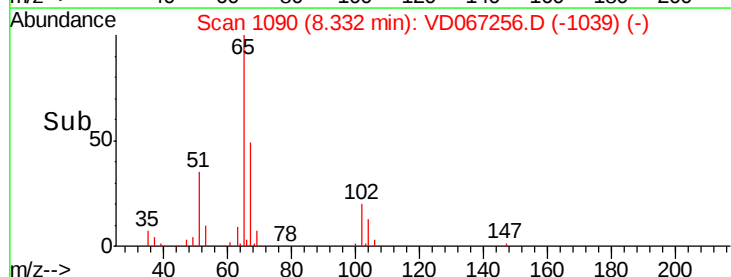
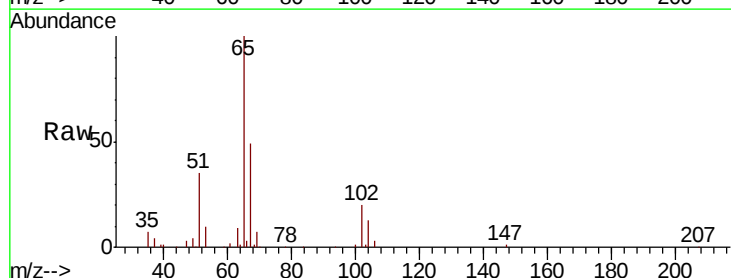
Instrument :
MSVOA_D
ClientSampleId :
HR-01-101220

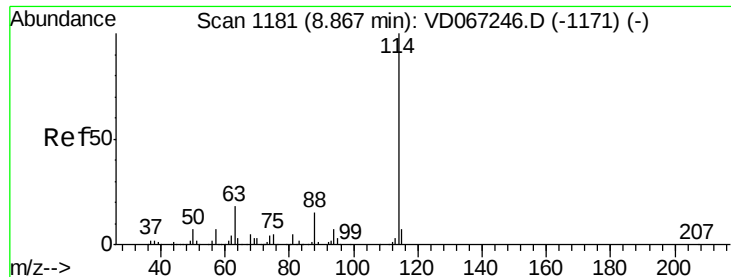
Tot Ion: 56 Resp: 7272
Ion Ratio Lower Upper
56 100
69 188.1 29.8 44.6#
84 108.8 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 51.890 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067256.D
Acq: 13 Oct 2020 17:03

Tgt Ion: 65 Resp: 177448
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.8

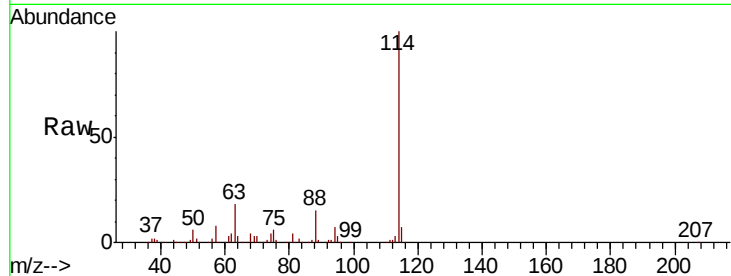




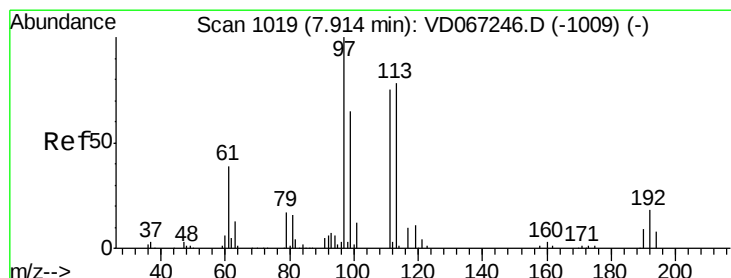
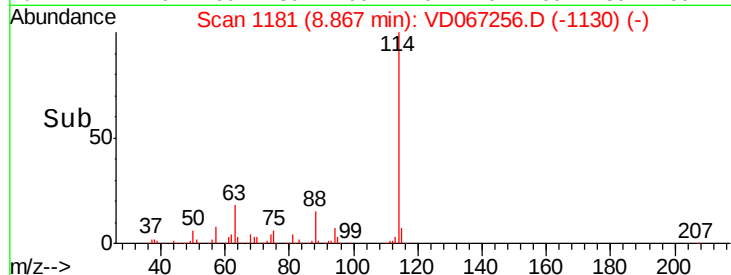
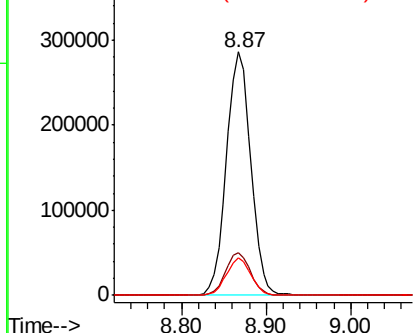
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067256.D
 Acq: 13 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-101220

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.0
88	15.3	0.0	30.6

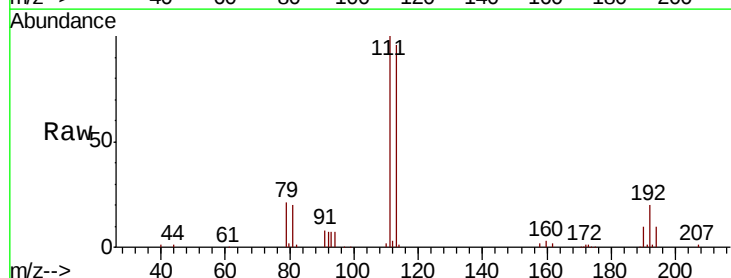


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

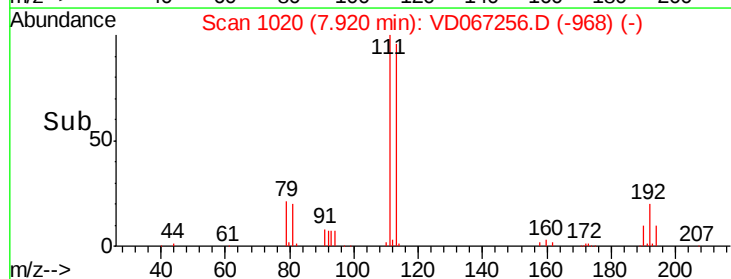
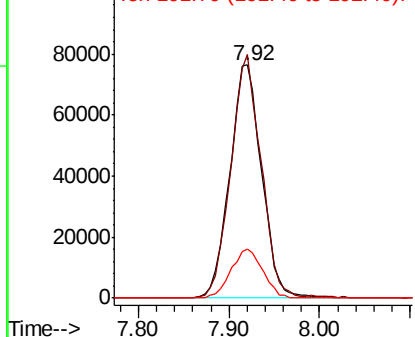


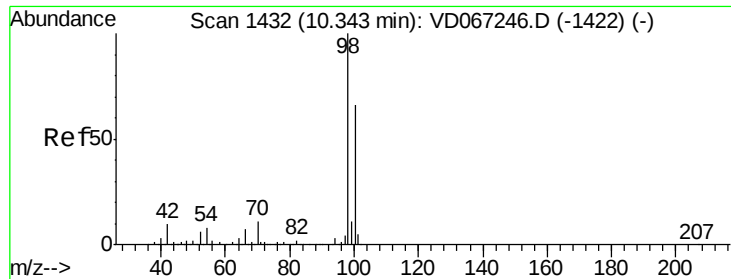
#35
 Dibromofluoromethane
 Concen: 49.450 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067256.D
 Acq: 13 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.9	81.6	122.4
192	20.9	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





#50

Toluene-d8

Concen: 48.891 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067256.D

Acq: 13 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

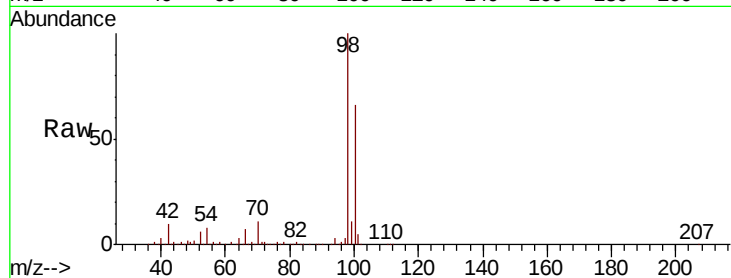
HR-01-101220

Tot Ion: 98 Resp: 669334

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VD0

Ion 100.00 (99.70 to 100.70): VD

10.34

400000

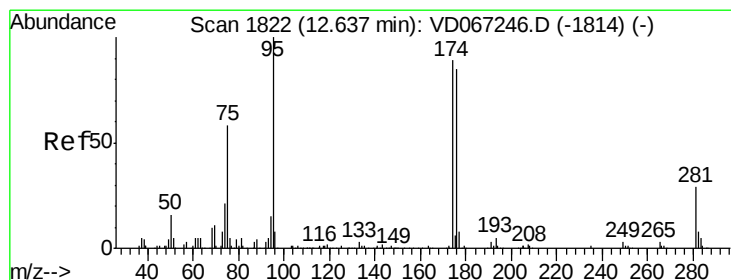
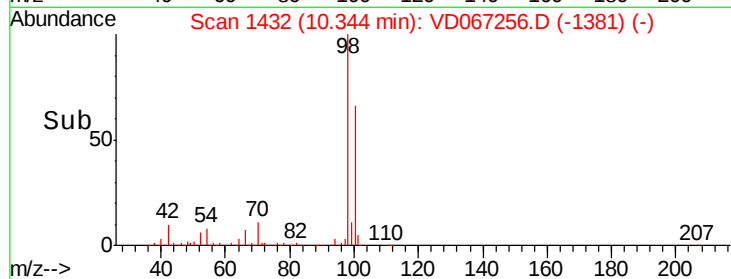
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.398 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067256.D

Acq: 13 Oct 2020 17:03

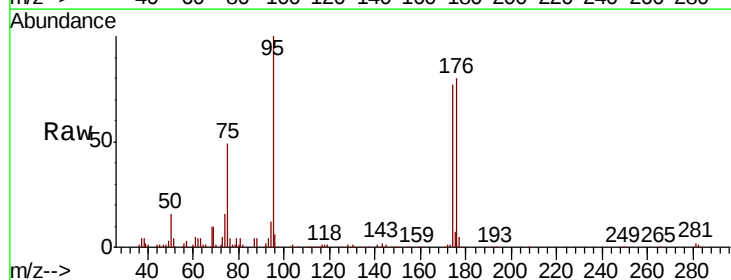
Tgt Ion: 95 Resp: 225635

Ion Ratio Lower Upper

95 100

174 84.9 0.0 175.2

176 81.9 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VD0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

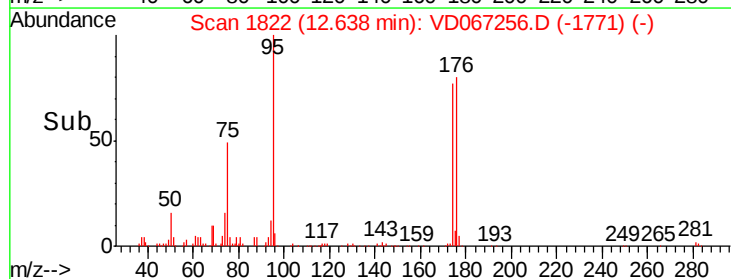
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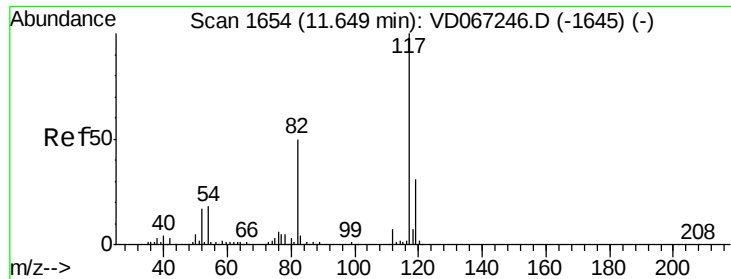
100000

50000

0

Time-->

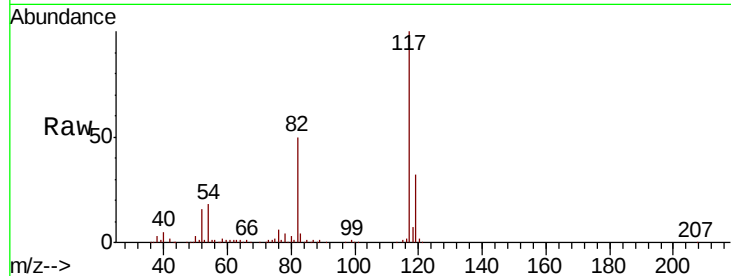




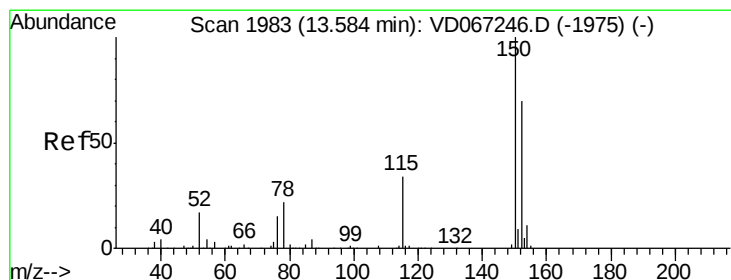
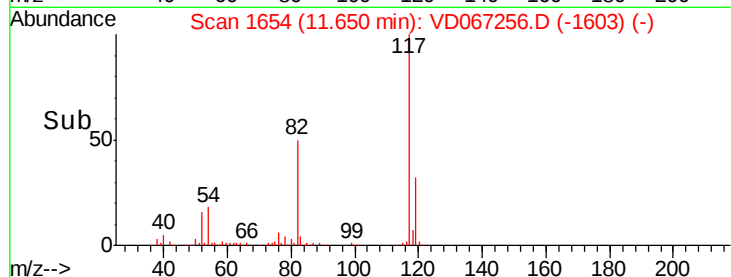
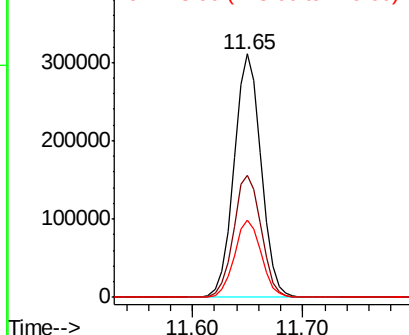
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067256.D
Acq: 13 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
HR-01-101220

Tot Ion:117 Resp: 534388
Ion Ratio Lower Upper
117 100
82 50.1 39.9 59.9
119 32.0 24.9 37.3

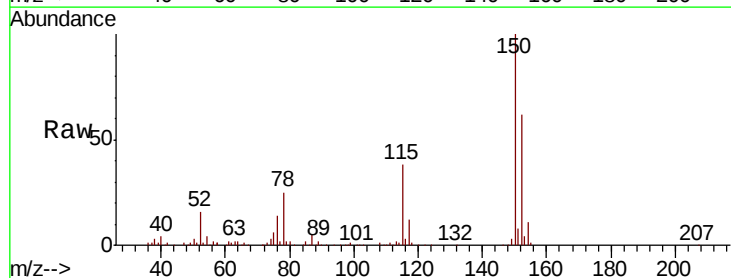


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

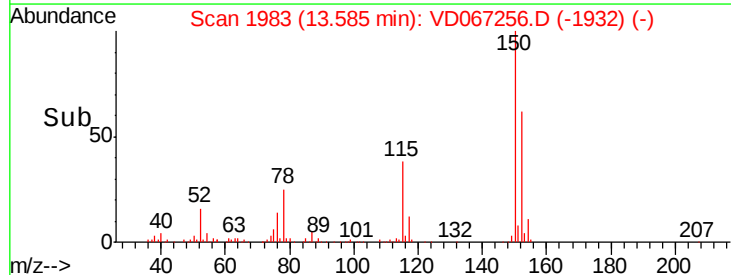
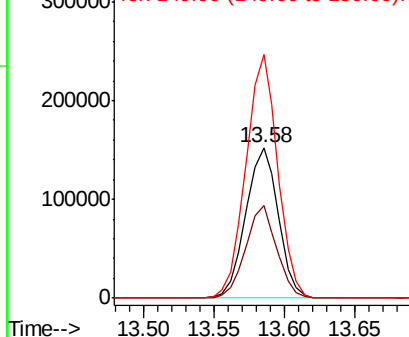


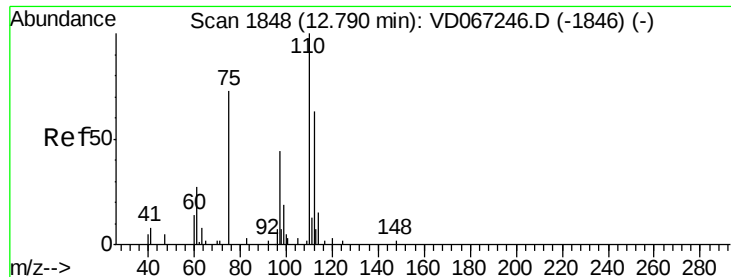
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067256.D
Acq: 13 Oct 2020 17:03

Tgt Ion:152 Resp: 246593
Ion Ratio Lower Upper
152 100
115 58.7 29.3 87.9
150 157.9 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: 66.939 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067256.D

Acq: 13 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

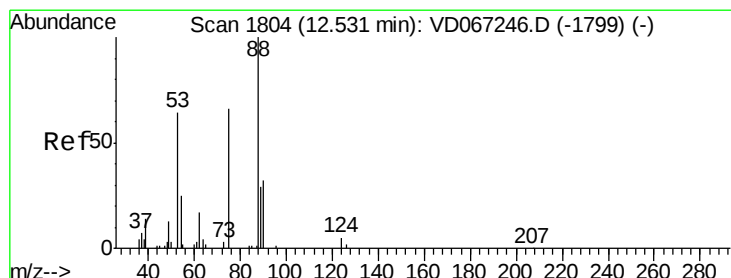
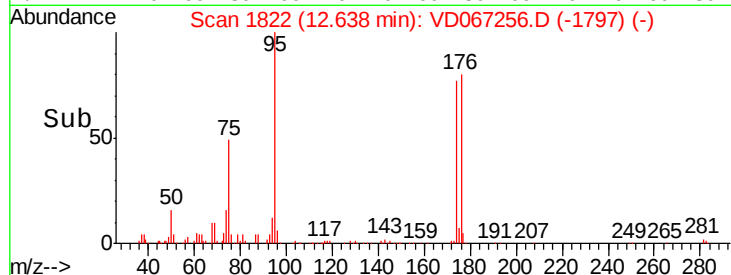
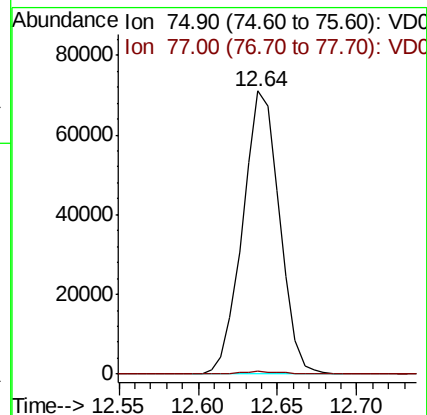
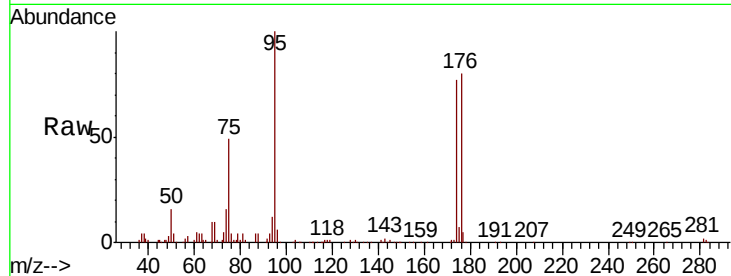
HR-01-101220

Tot Ion: 75 Resp: 114407

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.798 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067256.D

Acq: 13 Oct 2020 17:03

Tgt Ion: 75 Resp: 114407

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

