

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067341.D
 Acq On : 21 Oct 2020 12:14
 Operator : VA/SY
 Sample : L4467-01
 Misc : 6.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-15242

Quant Time: Oct 22 00:19:54 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

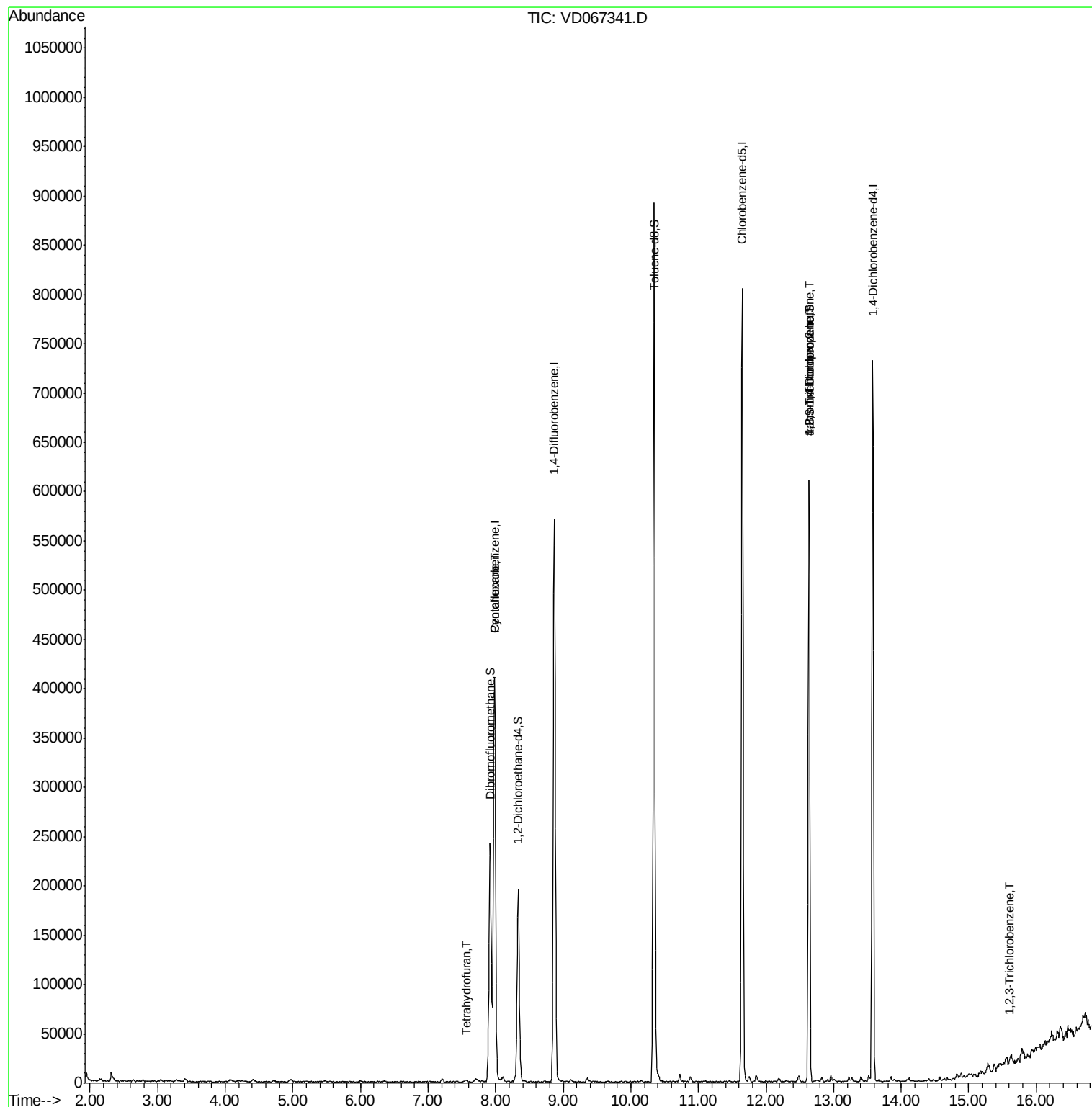
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	511390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	477002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	198894	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	169606	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
35) Dibromofluoromethane	7.92	113	170204	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.34	98	600920	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.64	95	190839	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1040	Below Cal		76
5) Bromomethane	2.77	94	746	Below Cal		94
11) Tert butyl alcohol	5.21	59	281	Below Cal	#	81
20) Methylene Chloride	4.96	84	2255	Below Cal	#	68
29) Tetrahydrofuran	7.57	42	1184	4.279	ug/l #	86
31) Cyclohexane	7.98	56	7151	1.991	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	95994	69.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	95994	157.912	ug/l #	10
96) 1,2,3-Trichlorobenzene	15.60	180	3095	1.004	ug/l #	44

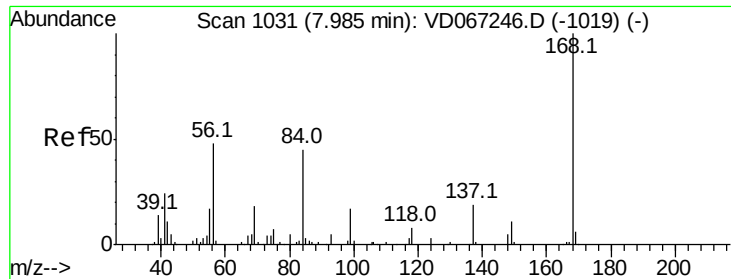
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067341.D
Acq On : 21 Oct 2020 12:14
Operator : VA/SY
Sample : L4467-01
Misc : 6.31G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VB-15242

Quant Time: Oct 22 00:19:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
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: VD067341.D

Acq: 21 Oct 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

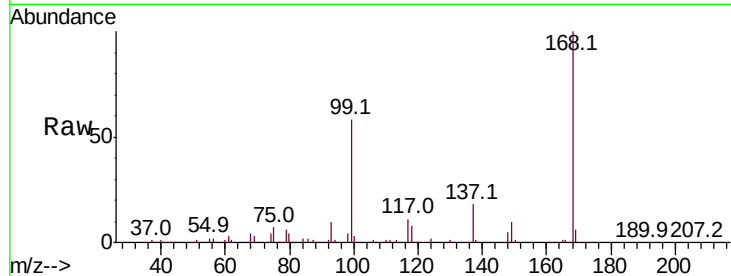
VB-15242

Tot Ion:168 Resp: 311229

Ion Ratio Lower Upper

168 100

99 57.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

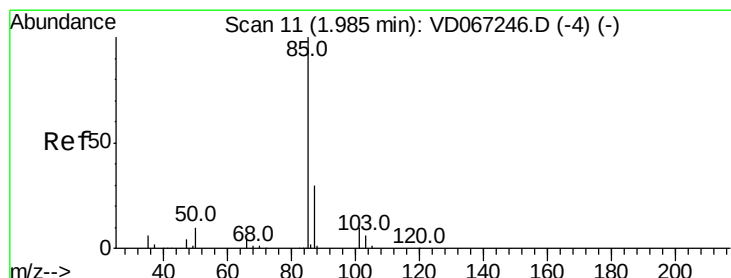
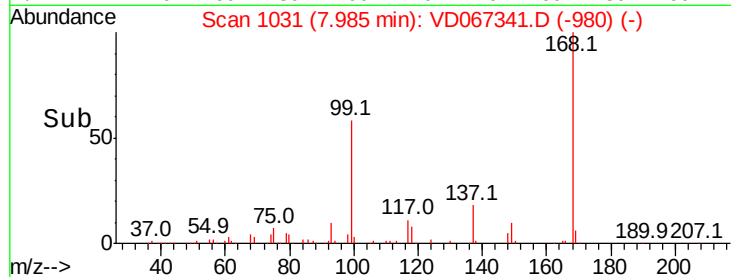
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067341.D

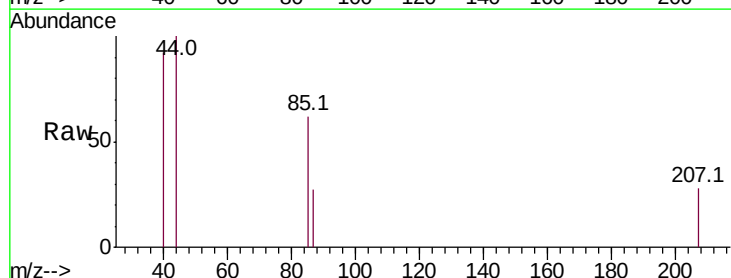
Acq: 21 Oct 2020 12:14

Tgt Ion: 85 Resp: 1040

Ion Ratio Lower Upper

85 100

87 43.7 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

800

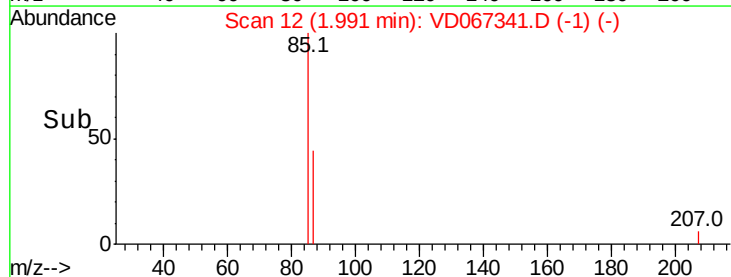
600

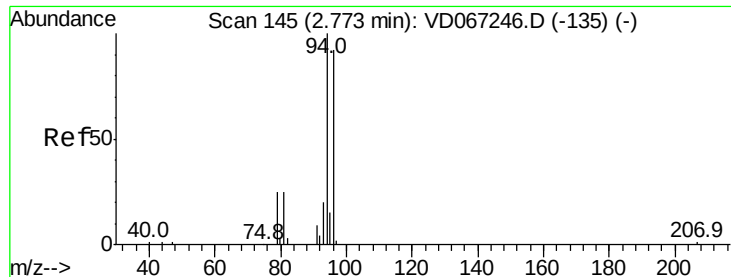
400

200

0

Time--> 1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067341.D

Acq: 21 Oct 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

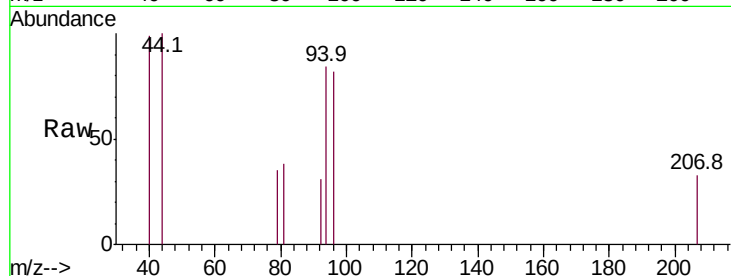
VB-15242

Tot Ion: 94 Resp: 746

Ion Ratio Lower Upper

94 100

96 97.6 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

600

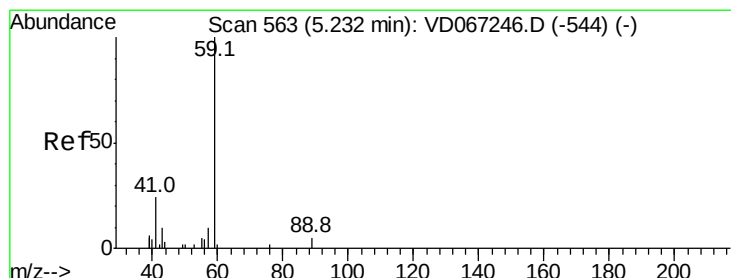
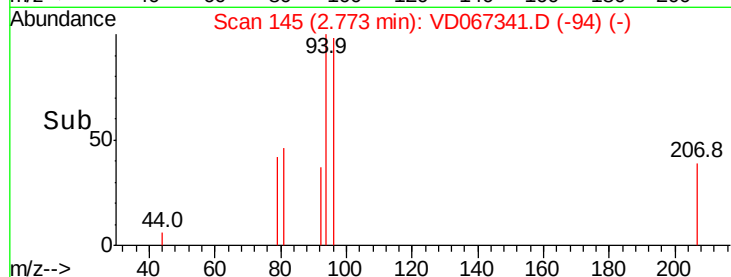
400

200

0

2.74 2.76 2.78 2.80 2.82

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067341.D

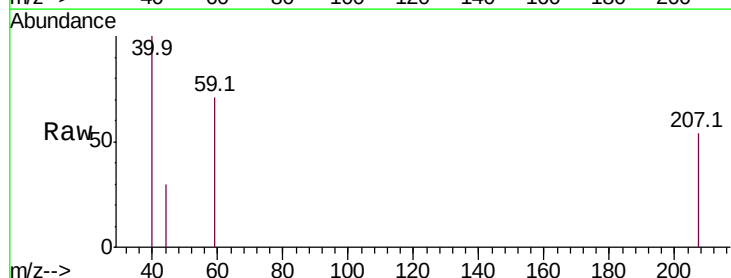
Acq: 21 Oct 2020 12:14

Tgt Ion: 59 Resp: 281

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

500

400

300

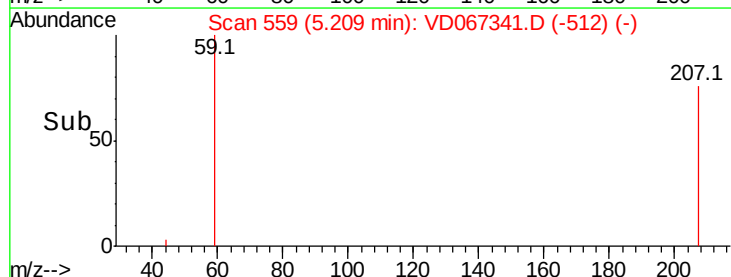
200

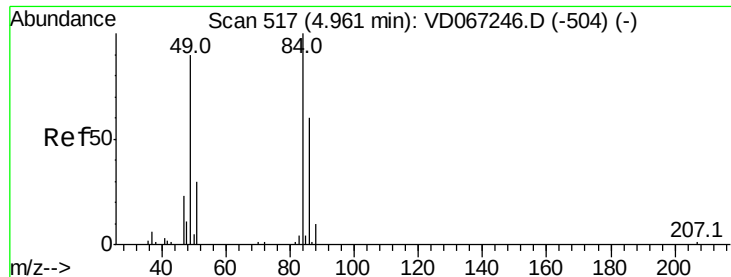
100

0

5.18 5.20 5.22 5.24 5.26

Time-->

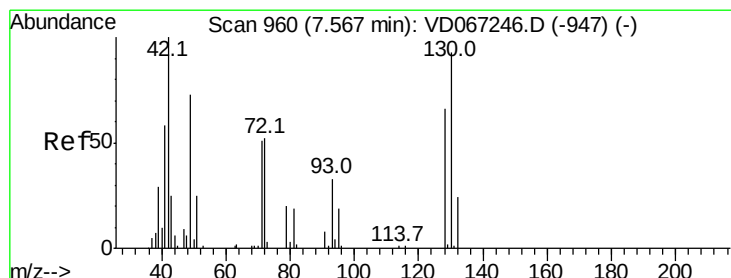
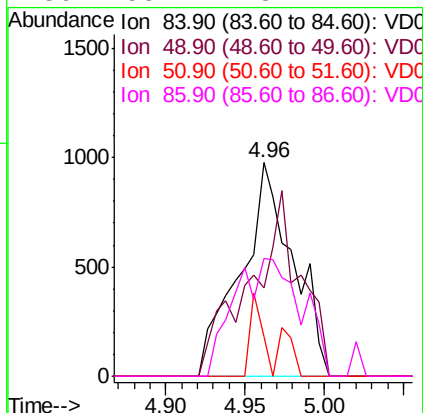
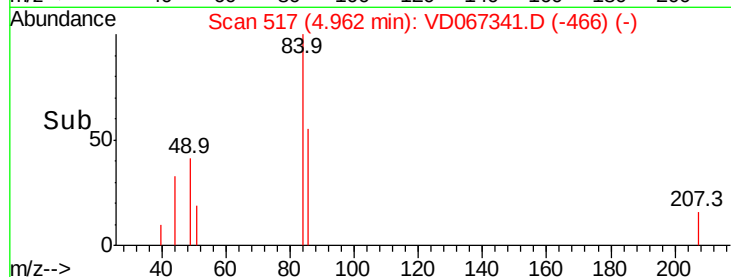
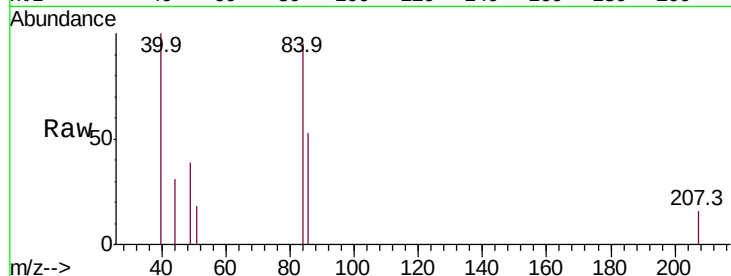




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

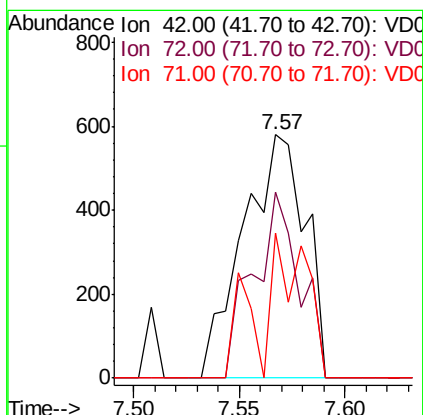
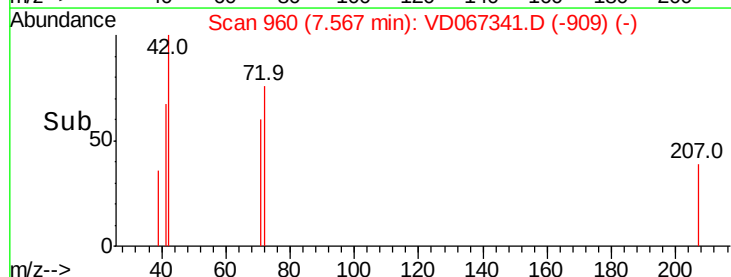
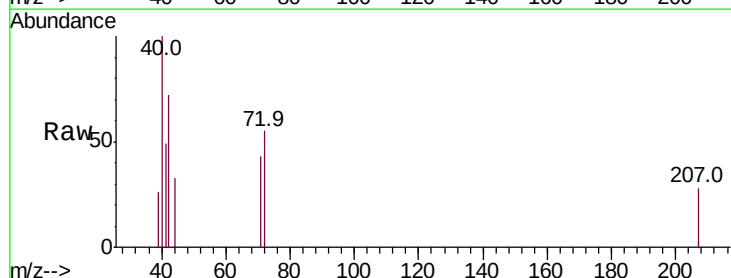
Instrument :
MSVOA_D
ClientSampleId :
VB-15242

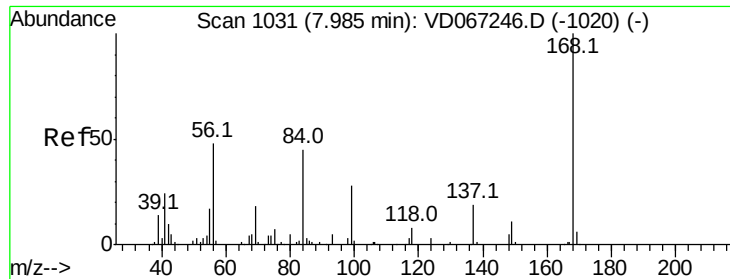
Tot Ion: 84 Resp: 2255
Ion Ratio Lower Upper
84 100
49 41.2 72.2 108.2#
51 18.6 23.8 35.8#
86 55.2 48.2 72.4



#29
Tetrahydrofuran
Concen: 4.279 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Tgt Ion: 42 Resp: 1184
Ion Ratio Lower Upper
42 100
72 56.9 43.2 64.8
71 32.1 39.4 59.0#

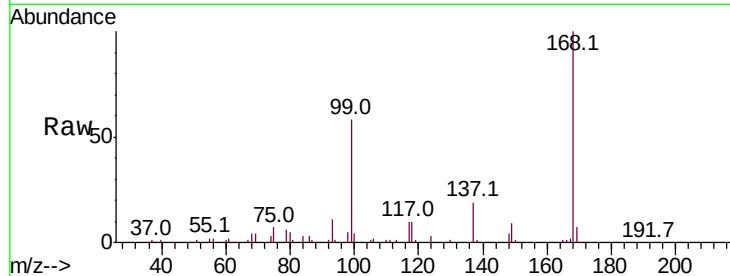




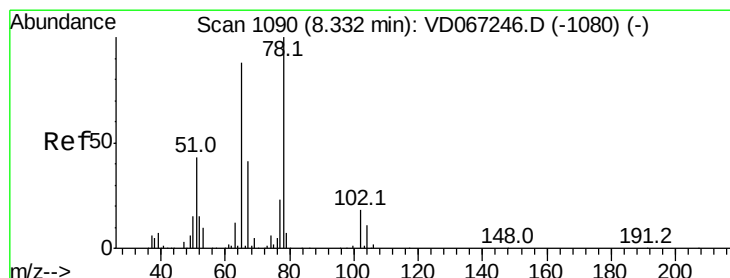
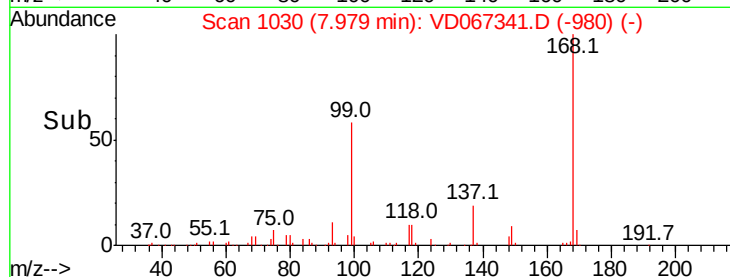
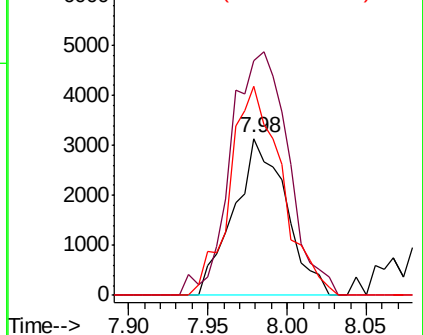
#31
Cyclohexane
Concen: 1.991 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VB-15242

Tot Ion: 56 Resp: 7151
Ion Ratio Lower Upper
56 100
69 149.4 29.8 44.6#
84 133.0 76.6 114.8#

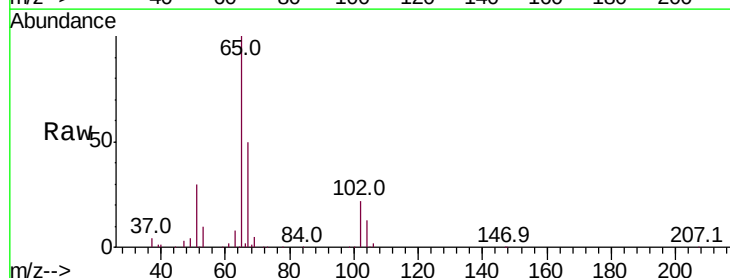


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

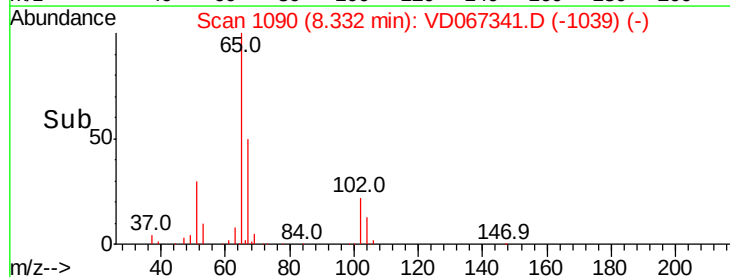
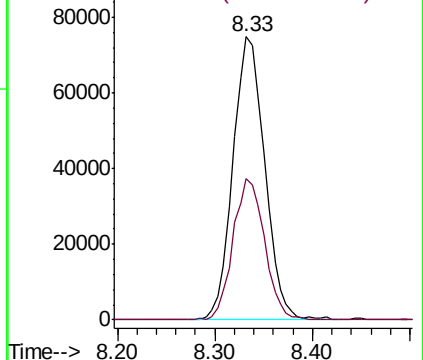


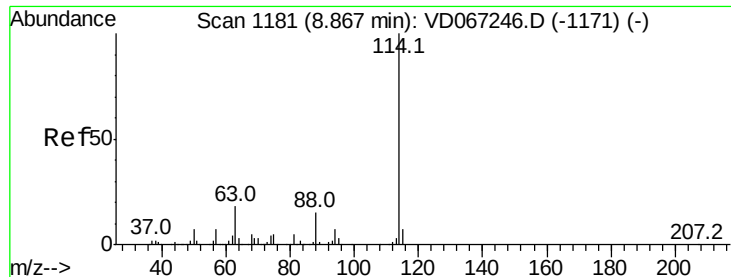
#33
1,2-Dichloroethane-d4
Concen: 54.395 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Tgt Ion: 65 Resp: 169606
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.8



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

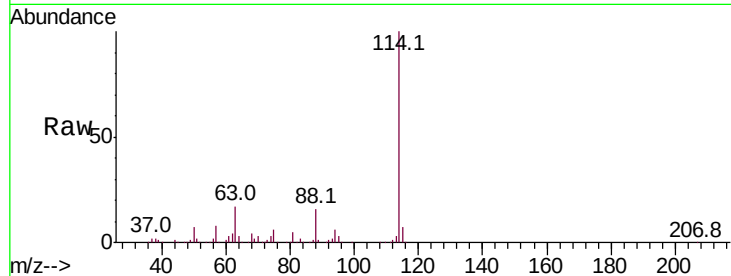




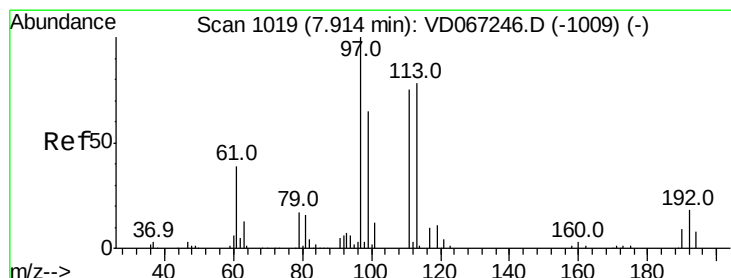
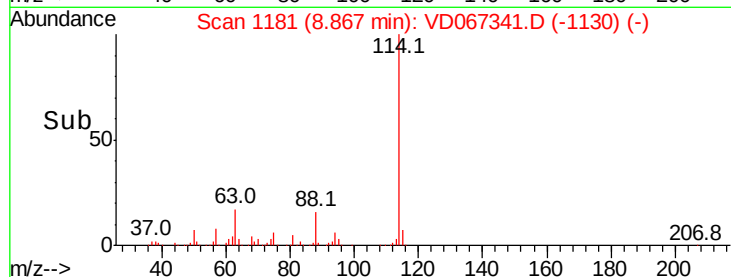
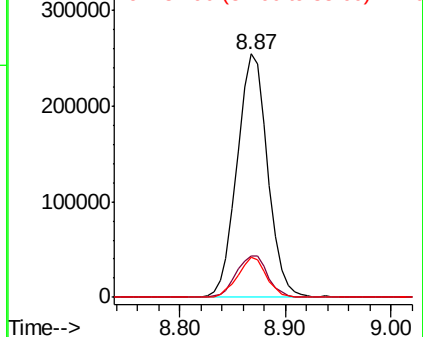
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VB-15242

Tot Ion:114 Resp: 511390
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.0
88 16.4 0.0 30.6

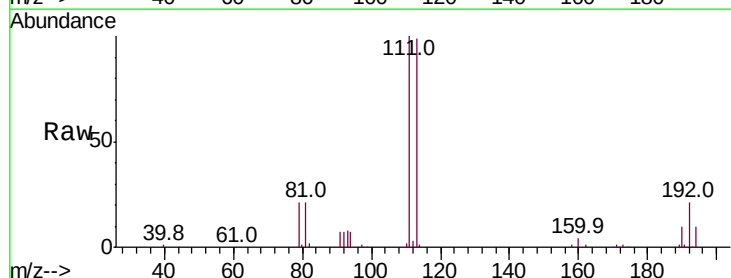


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

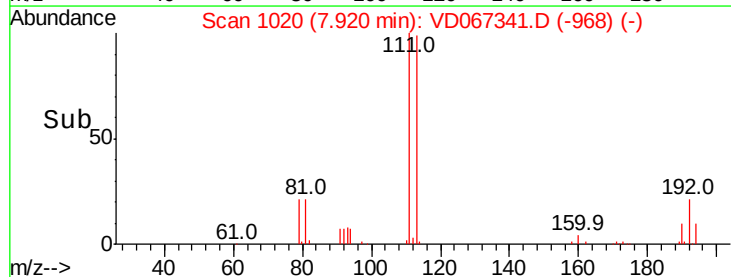
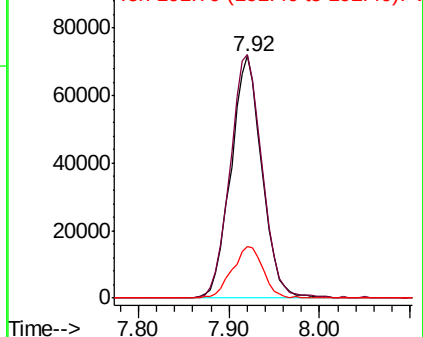


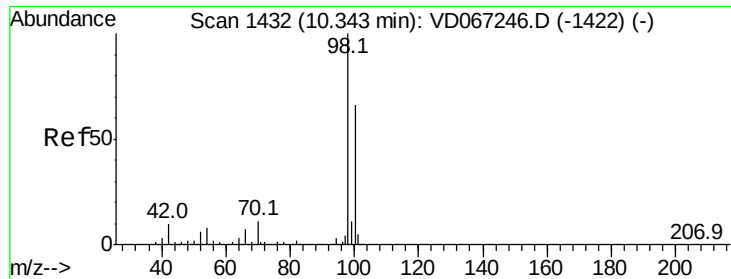
#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Tgt Ion:113 Resp: 170204
Ion Ratio Lower Upper
113 100
111 103.9 81.6 122.4
192 21.2 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: 48.791 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067341.D

Acq: 21 Oct 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

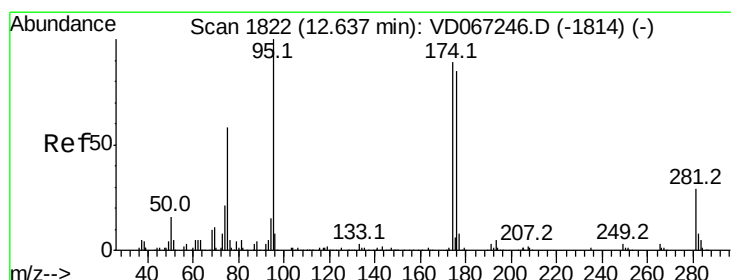
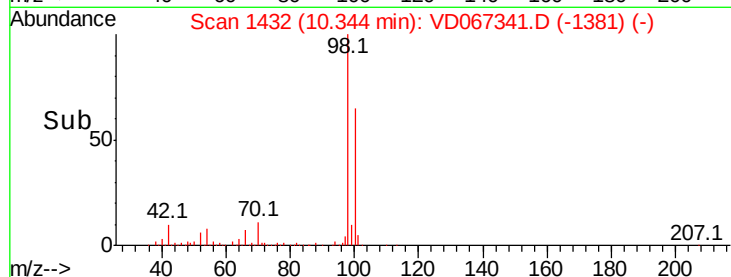
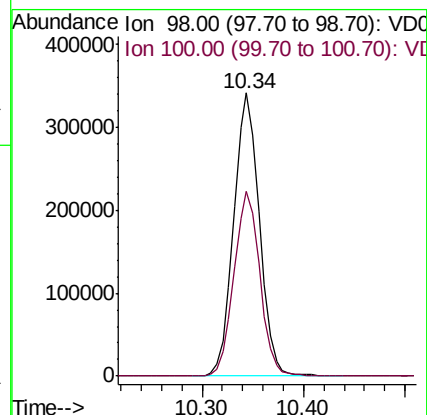
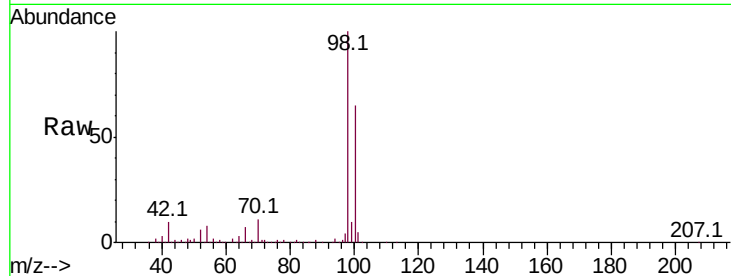
VB-15242

Tot Ion: 98 Resp: 600920

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.561 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067341.D

Acq: 21 Oct 2020 12:14

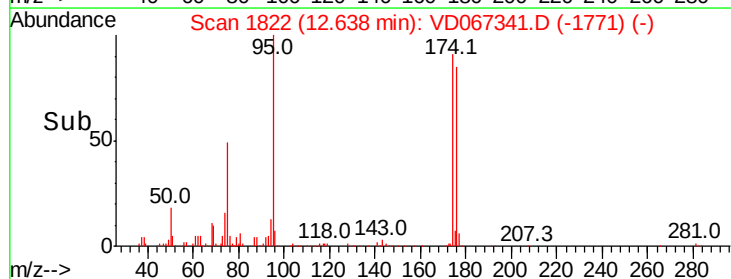
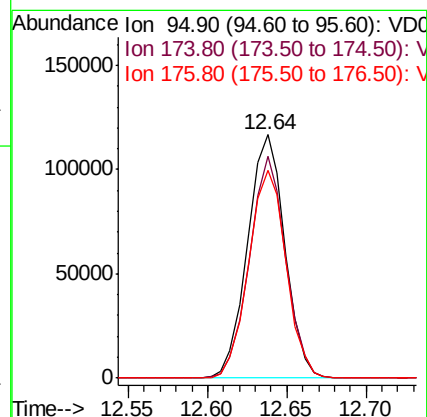
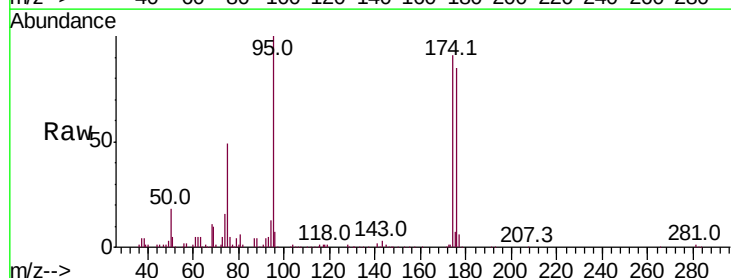
Tgt Ion: 95 Resp: 190839

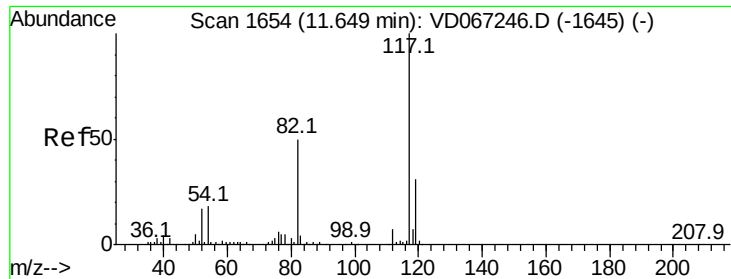
Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

176 86.0 0.0 168.6

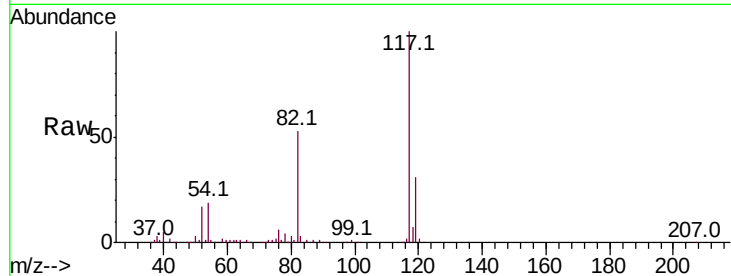




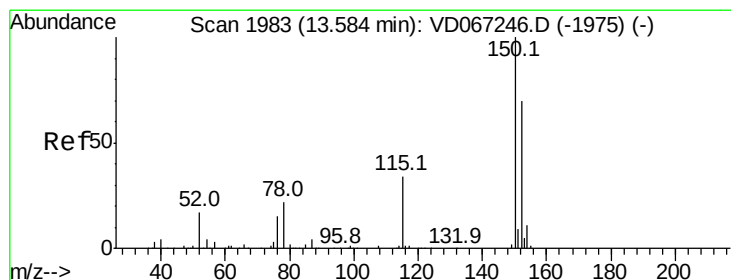
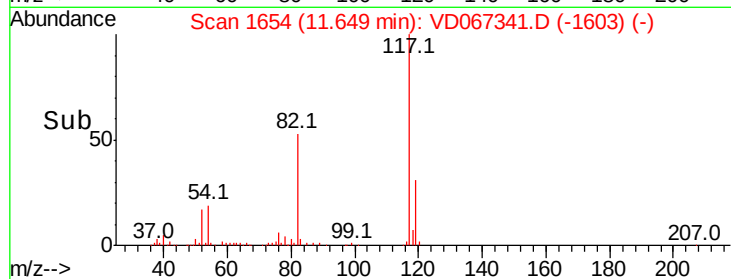
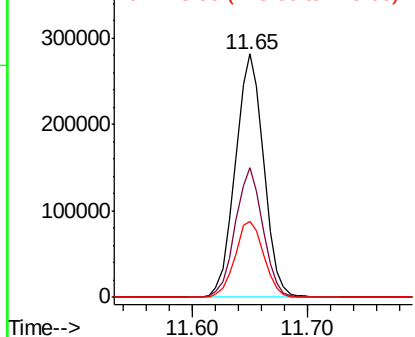
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
VB-15242

Tot Ion:117 Resp: 477002
Ion Ratio Lower Upper
117 100
82 53.3 39.9 59.9
119 31.3 24.9 37.3

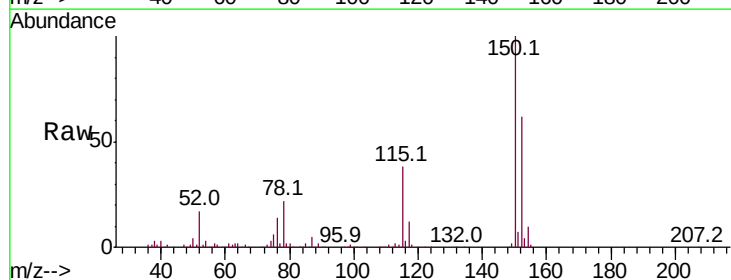


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

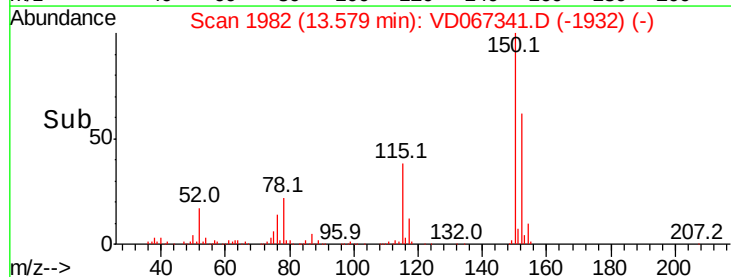
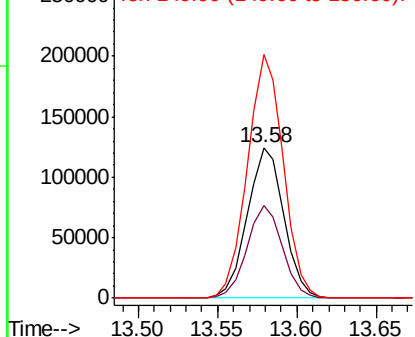


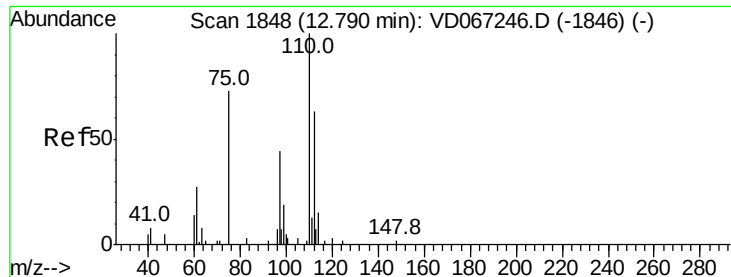
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067341.D
Acq: 21 Oct 2020 12:14

Tgt Ion:152 Resp: 198894
Ion Ratio Lower Upper
152 100
115 59.7 29.3 87.9
150 159.5 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

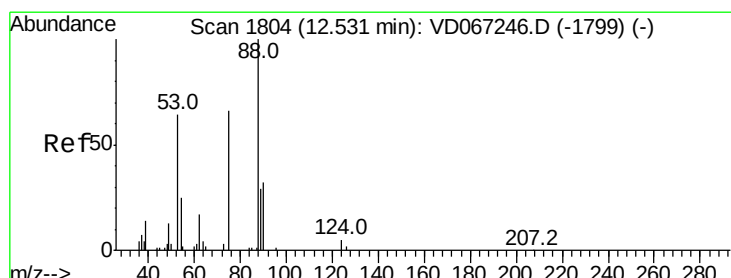
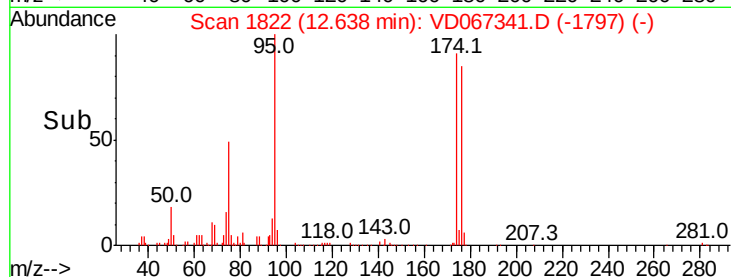
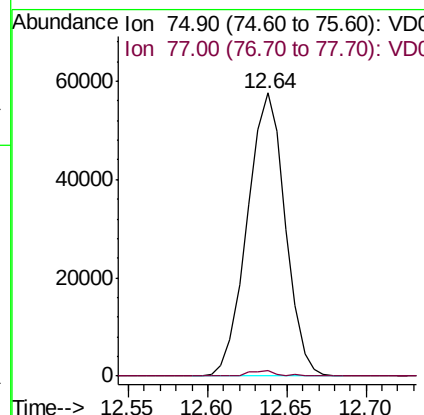
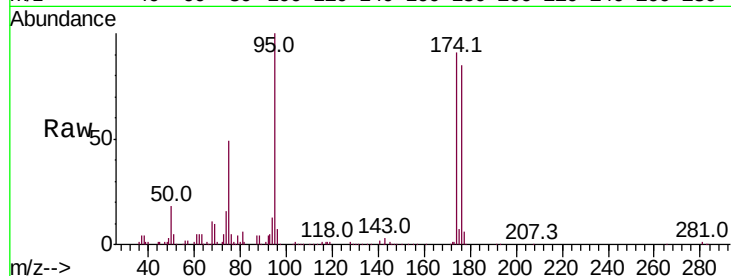




#76
 1,2,3-Trichloropropane
 Concen: 69.635 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067341.D
 Acq: 21 Oct 2020 12:14

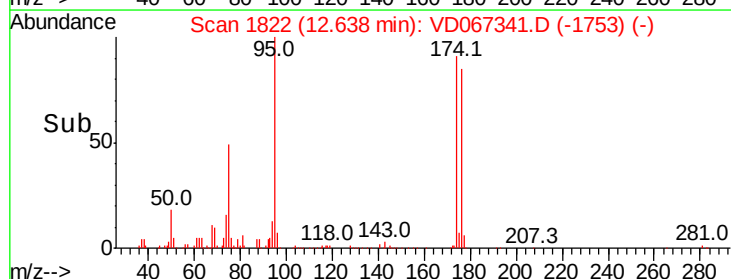
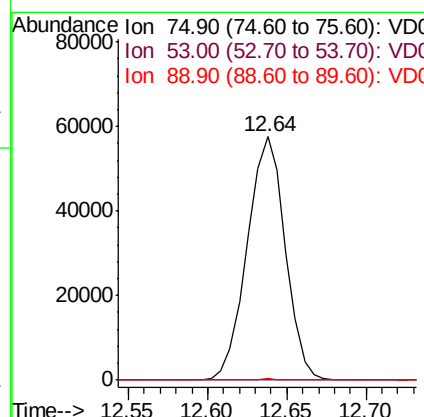
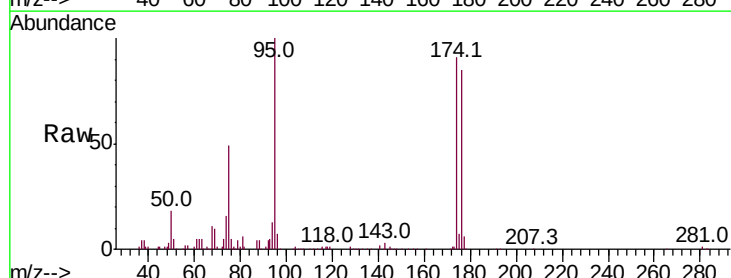
Instrument :
 MSVOA_D
 ClientSampleId :
 VB-15242

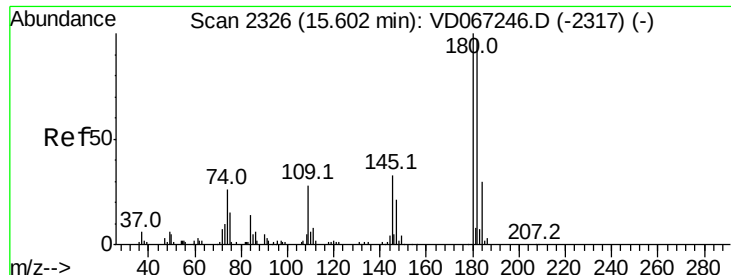
Tot Ion: 75 Resp: 95994
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.912 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067341.D
 Acq: 21 Oct 2020 12:14

Tgt Ion: 75 Resp: 95994
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 39.9 59.9#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.004 ug/l
 RT: 15.60 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: VD067341.D
 Acq: 21 Oct 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-15242

Tot Ion	Ratio	Lower	Upper
180	100		
182	37.6	48.1	144.3#
145	8.1	17.3	51.9#

