

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067231.D
 Acq On : 12 Oct 2020 13:58
 Operator : VA/SY
 Sample : L4340-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-2332-MH11

Quant Time: Oct 13 00:16:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	392555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	643786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282479	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	192177	50.83	ug/l	0.00
Spiked Amount						
			Recovery	=	101.66%	
35) Dibromofluoromethane	7.91	113	205091	48.66	ug/l	0.00
Spiked Amount						
			Recovery	=	97.32%	
50) Toluene-d8	10.34	98	737892	48.05	ug/l	0.00
Spiked Amount						
			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.64	95	253395	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	

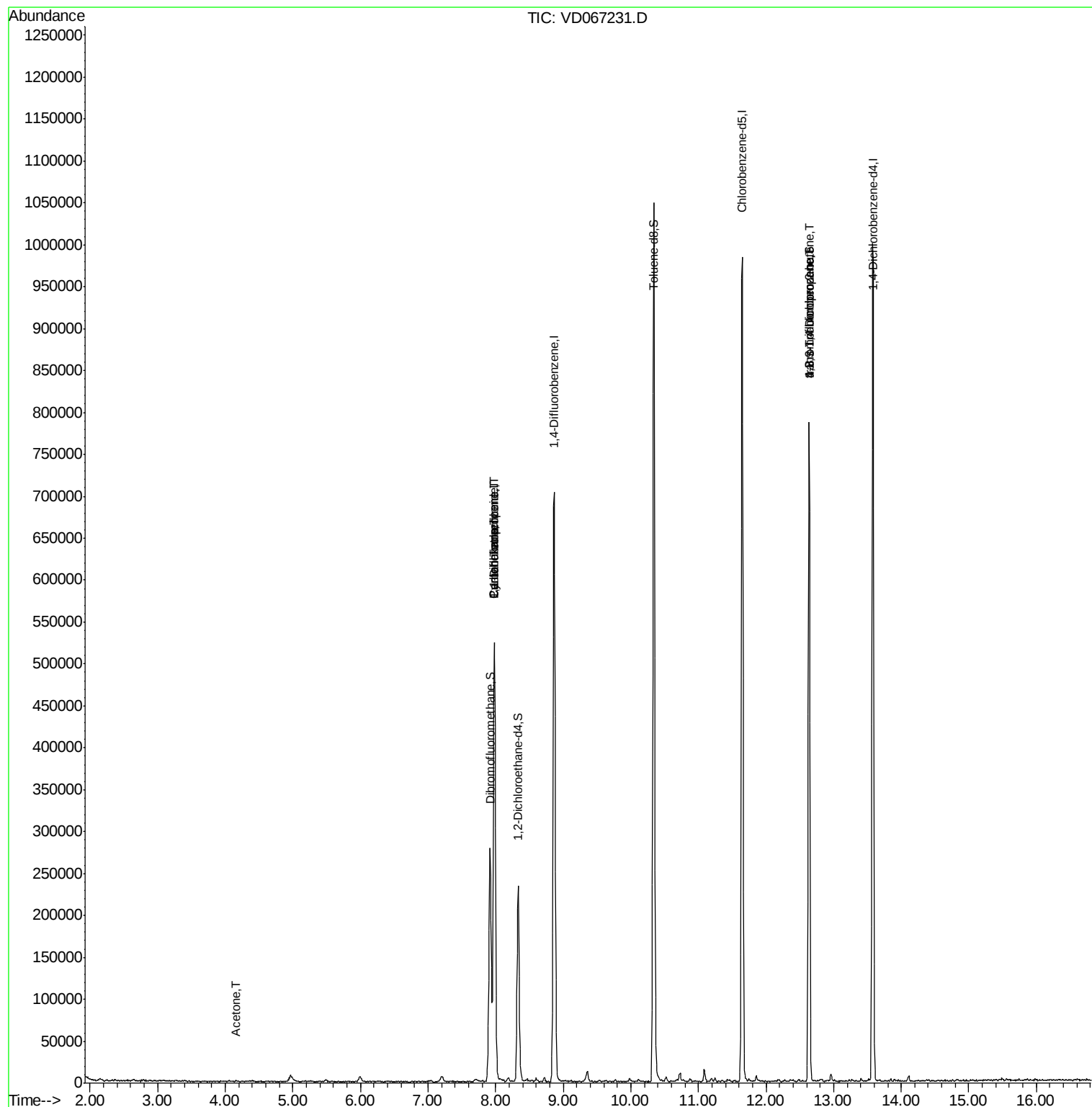
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	702	Below Cal		78
5) Bromomethane	2.76	94	241	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	343	Below Cal	#	72
16) Acetone	4.16	43	1274	2.207	ug/l #	42
20) Methylene Chloride	4.97	84	5915	Below Cal		92
26) 2,2-Dichloropropane	7.20	77	923	Below Cal	#	53
31) Cyclohexane	7.98	56	9180	1.617	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	27401	4.566	ug/l #	52
38) Carbon Tetrachloride	7.98	117	41798	6.438	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	129452	52.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129452	131.169	ug/l #	12

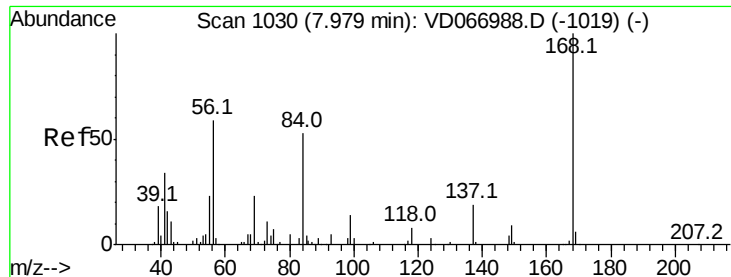
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101220\
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

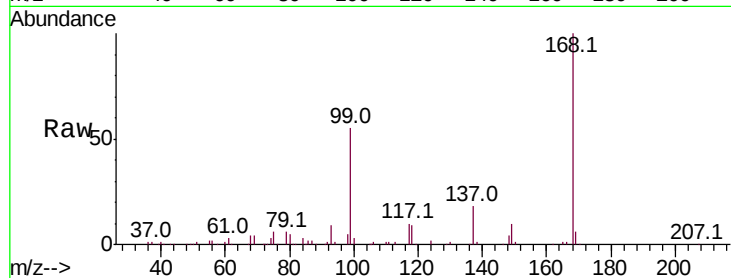
A-2332-MH11

Tot Ion:168 Resp: 392555

Ion Ratio Lower Upper

168 100

99 54.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

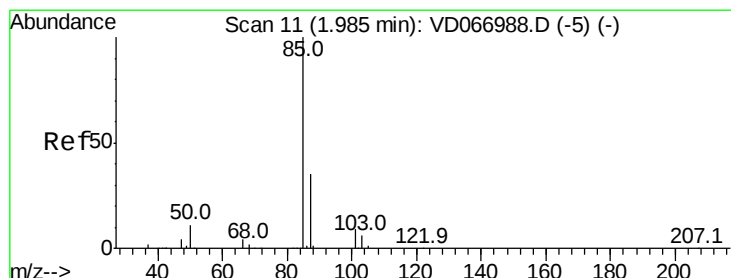
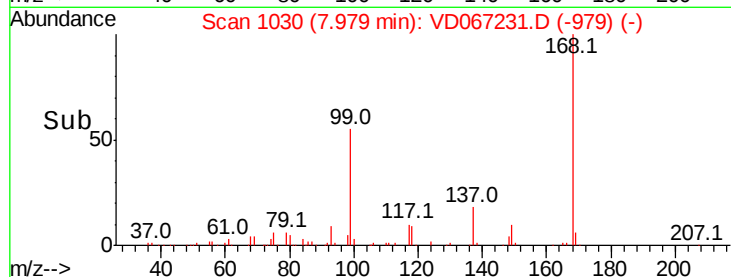
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067231.D

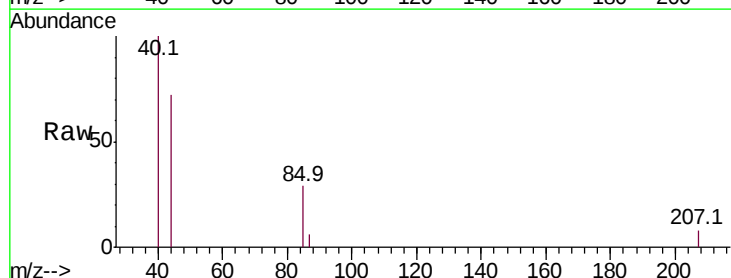
Acq: 12 Oct 2020 13:58

Tgt Ion: 85 Resp: 702

Ion Ratio Lower Upper

85 100

87 22.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

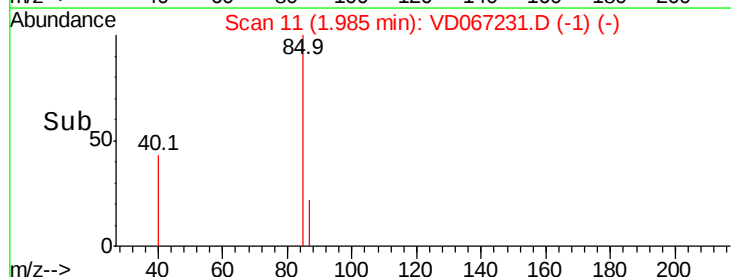
600

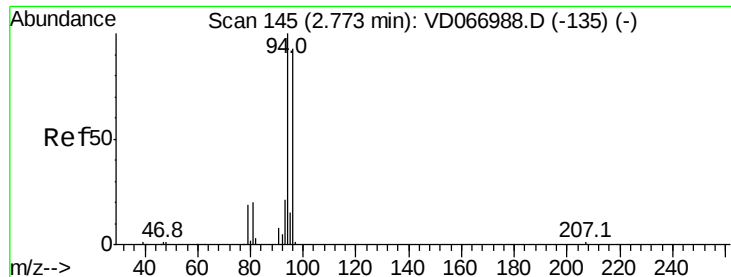
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

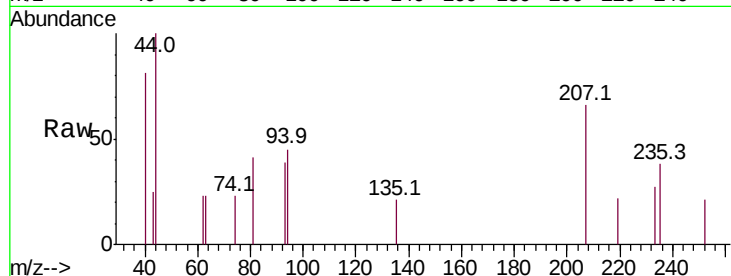
A-2332-MH11

Tot Ion: 94 Resp: 241

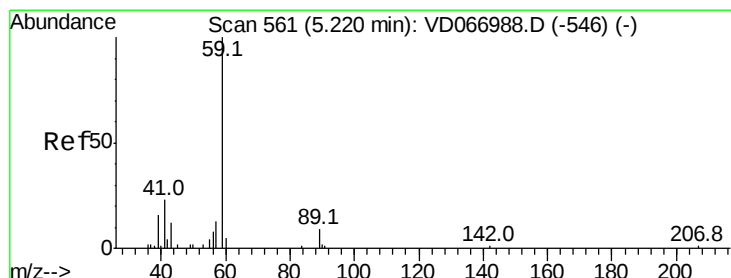
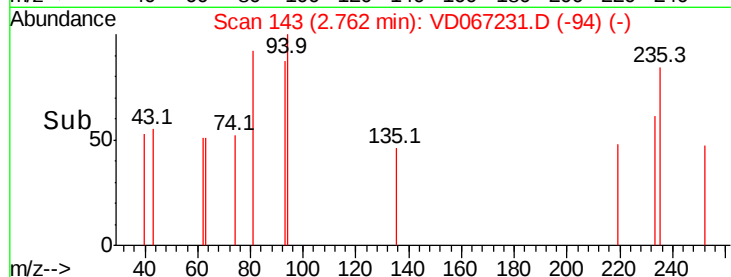
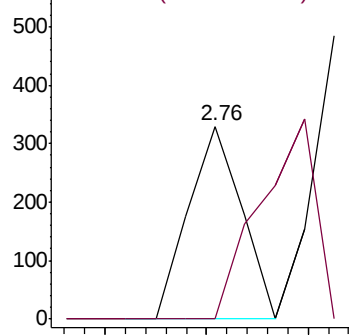
Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067231.D

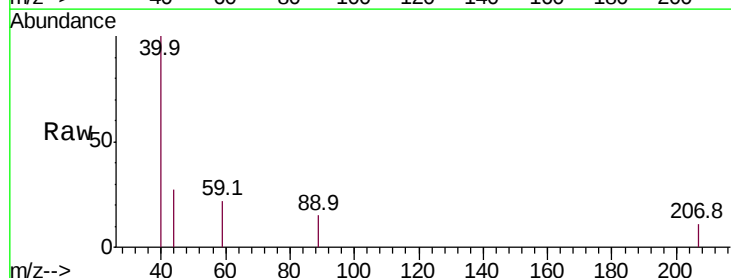
Acq: 12 Oct 2020 13:58

Tgt Ion: 59 Resp: 343

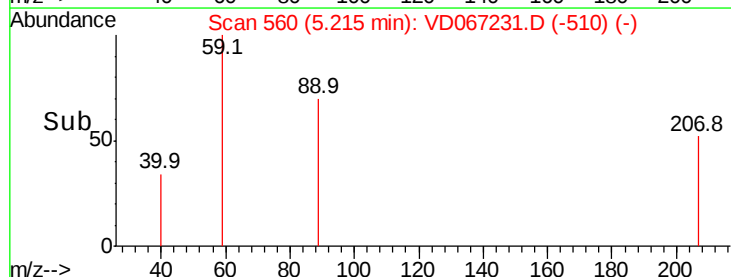
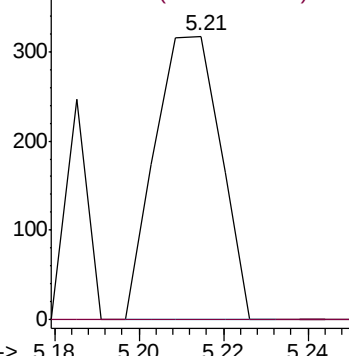
Ion Ratio Lower Upper

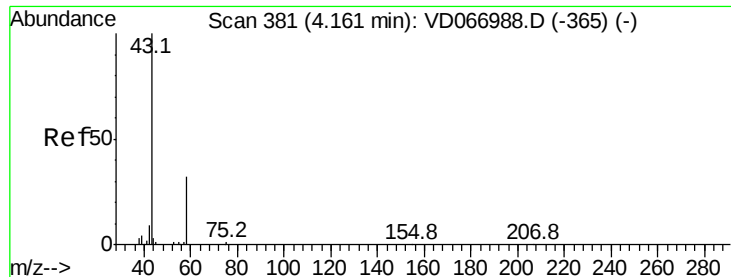
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 2.207 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

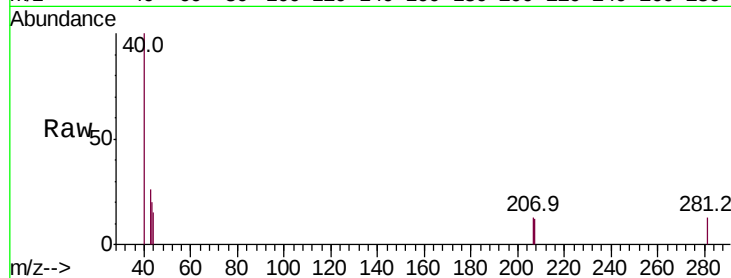
A-2332-MH11

Tot Ion: 43 Resp: 1274

Ion Ratio Lower Upper

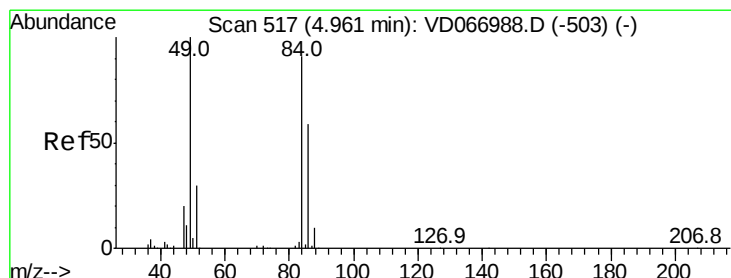
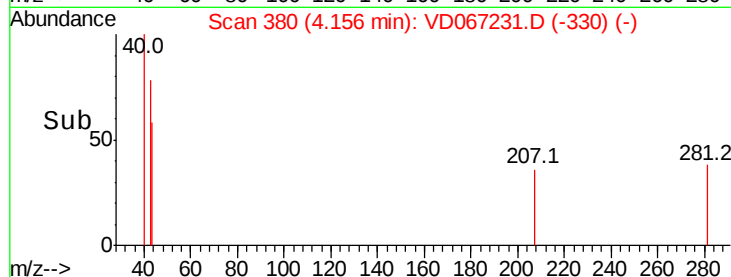
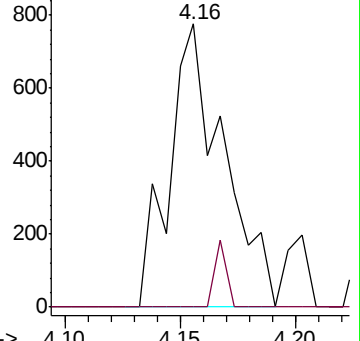
43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Tgt Ion: 84 Resp: 5915

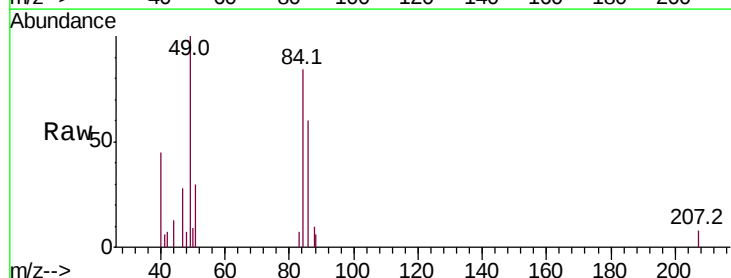
Ion Ratio Lower Upper

84 100

49 119.4 88.2 132.2

51 35.9 26.6 39.8

86 71.6 52.1 78.1

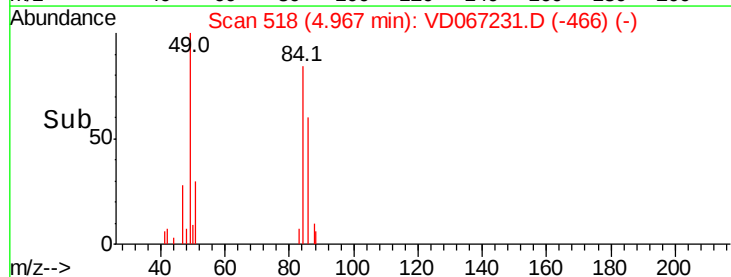
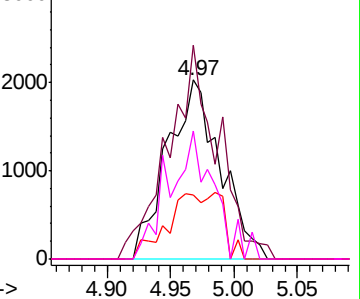


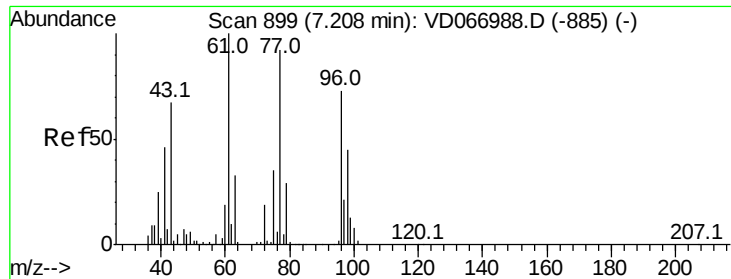
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

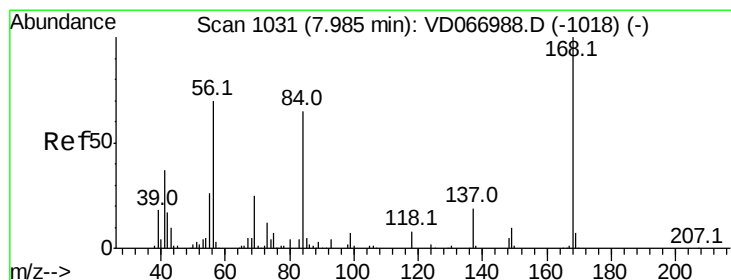
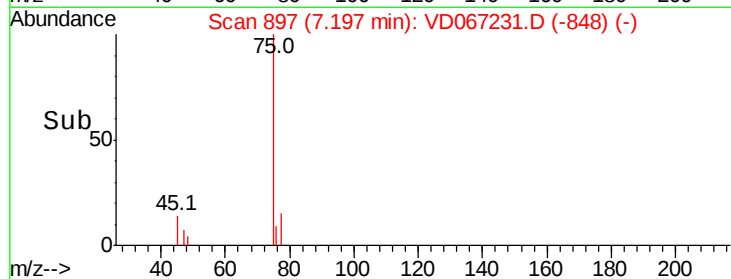
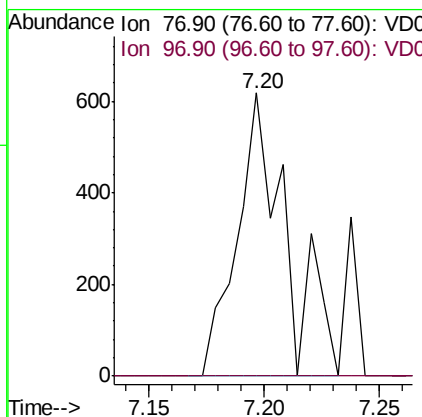
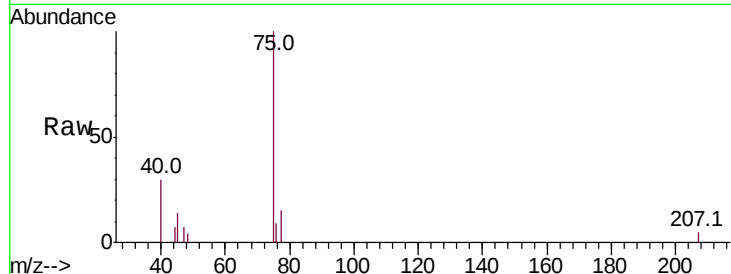




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067231.D
Acq: 12 Oct 2020 13:58

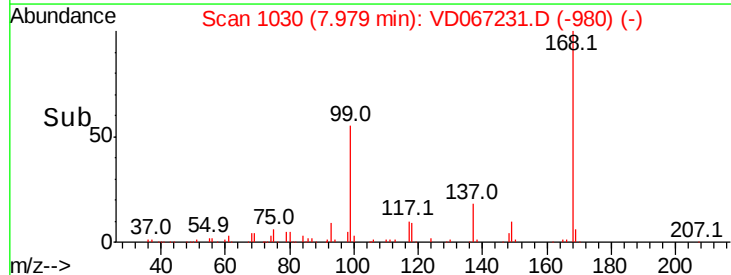
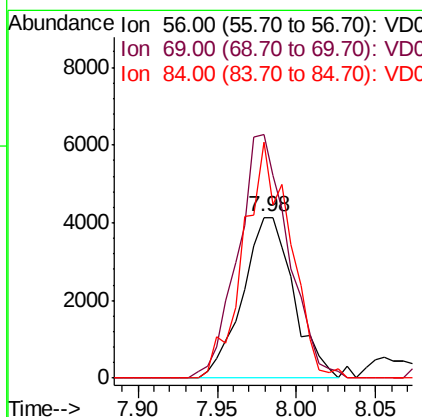
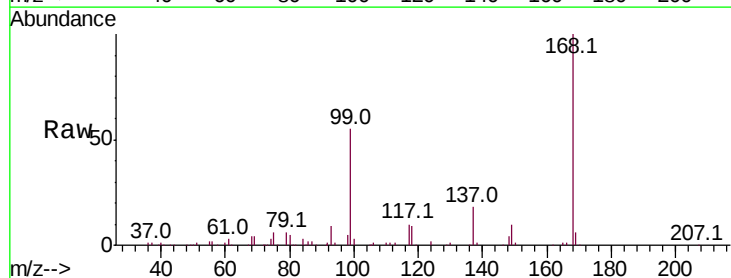
Instrument :
MSVOA_D
ClientSampleId :
A-2332-MH11

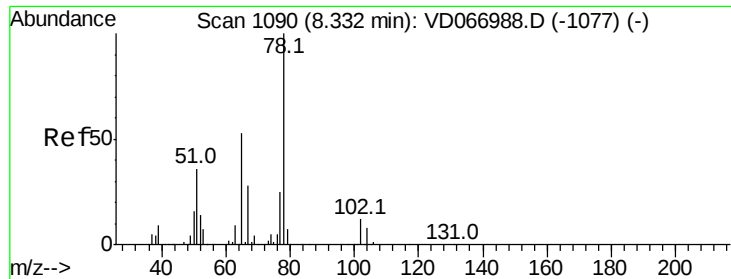
Tot Ion: 77 Resp: 923
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.617 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067231.D
Acq: 12 Oct 2020 13:58

Tgt Ion: 56 Resp: 9180
Ion Ratio Lower Upper
56 100
69 151.5 29.0 43.6#
84 146.7 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 50.826 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

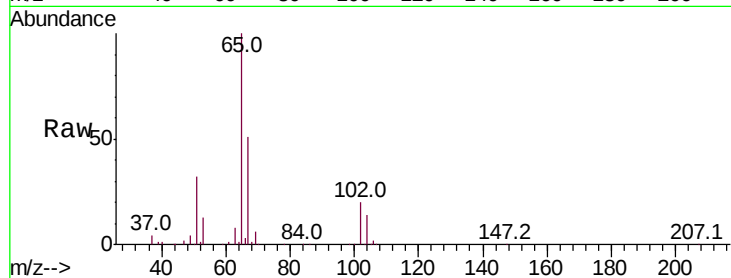
A-2332-MH11

Tot Ion: 65 Resp: 192177

Ion Ratio Lower Upper

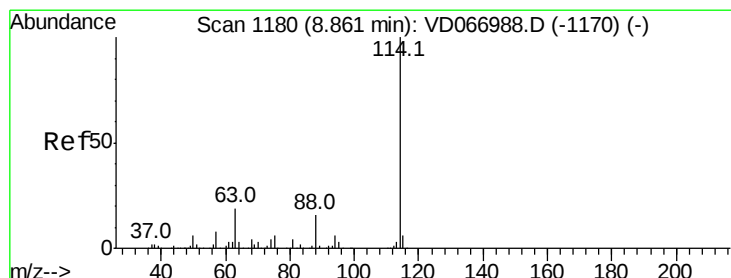
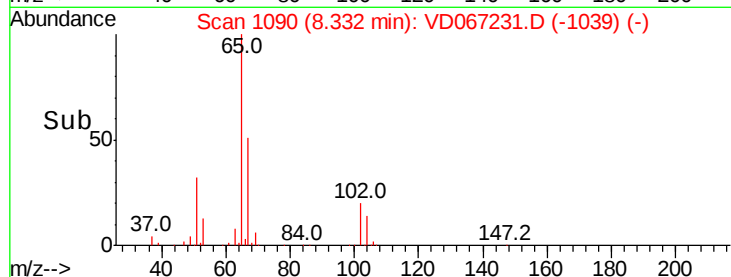
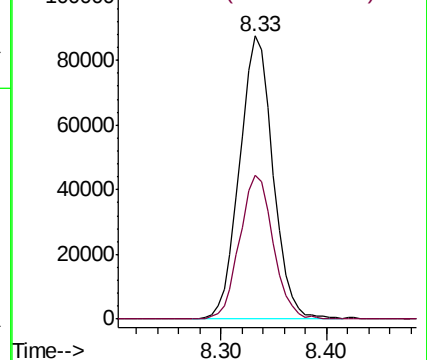
65 100

67 50.9 0.0 106.8



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. 0.01 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

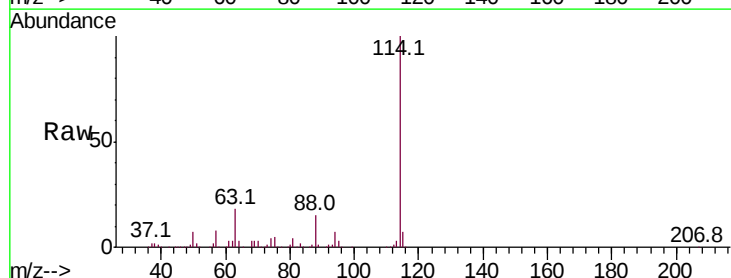
Tgt Ion: 114 Resp: 643786

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

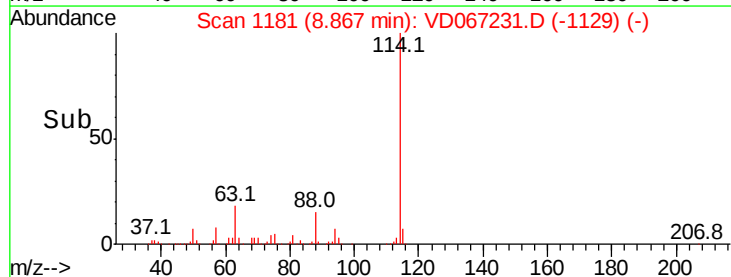
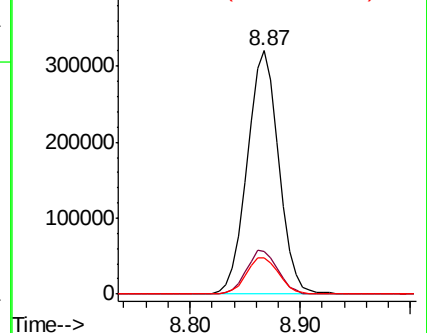
88 14.9 0.0 31.2

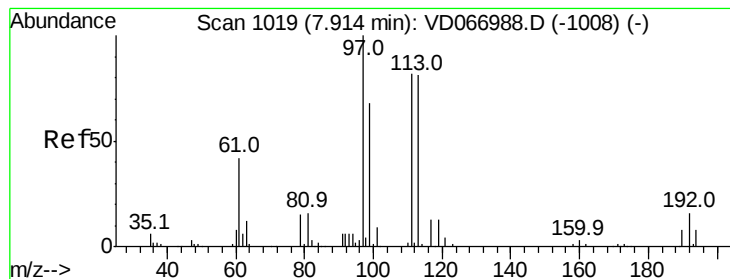


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.660 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

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A-2332-MH11

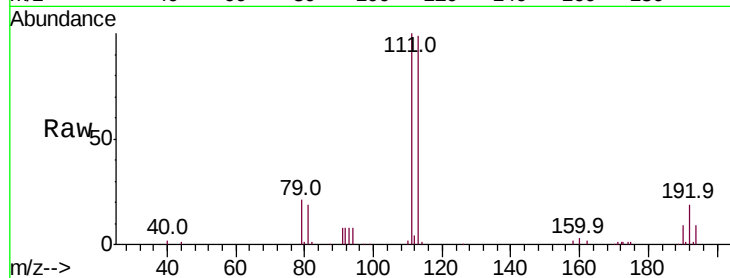
Tot Ion:113 Resp: 205091

Ion Ratio Lower Upper

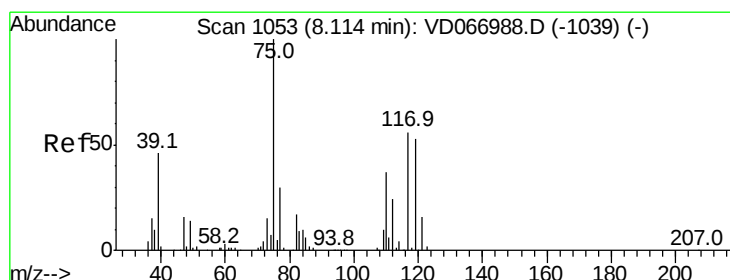
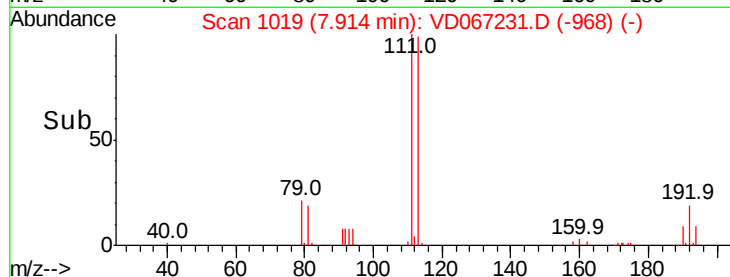
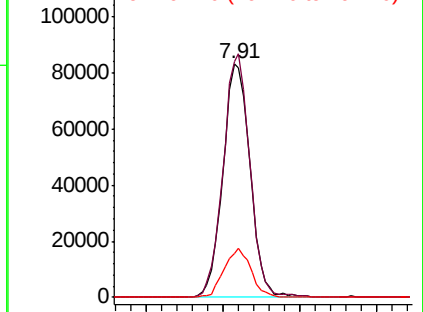
113 100

111 102.2 83.0 124.4

192 20.7 15.5 23.3



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: 4.566 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

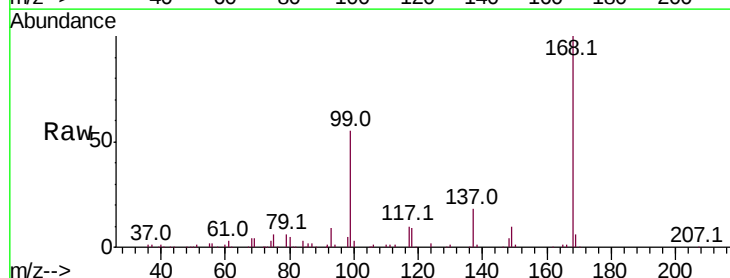
Tgt Ion: 75 Resp: 27401

Ion Ratio Lower Upper

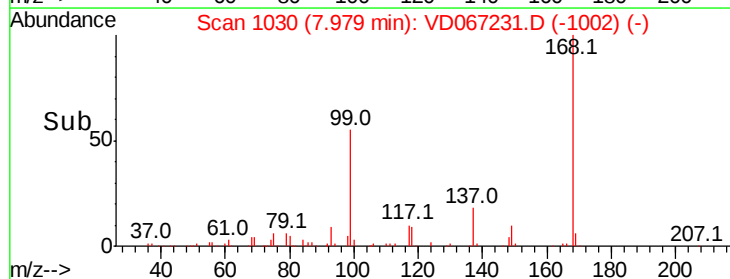
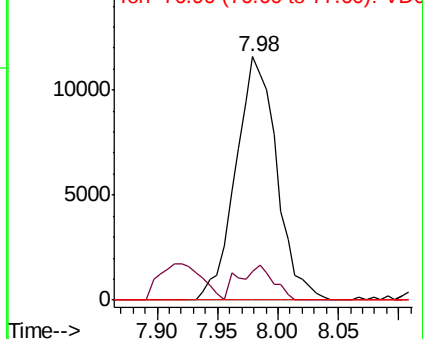
75 100

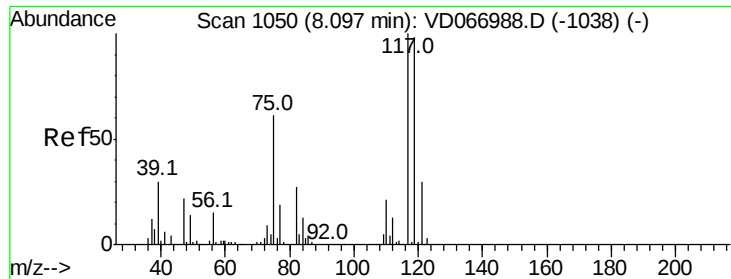
110 12.2 18.4 55.0#

77 0.0 24.8 37.2#



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





#38

Carbon Tetrachloride

Concen: 6.438 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

A-2332-MH11

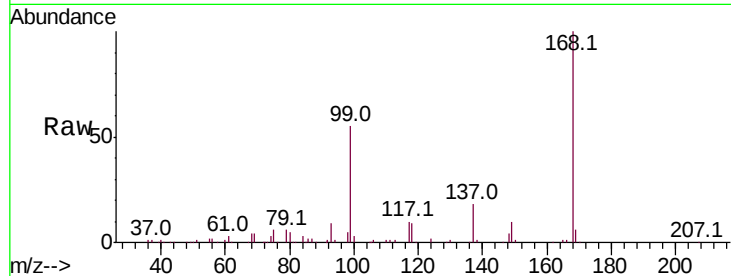
Tot Ion:117 Resp: 41798

Ion Ratio Lower Upper

117 100

119 4.8 78.7 118.1#

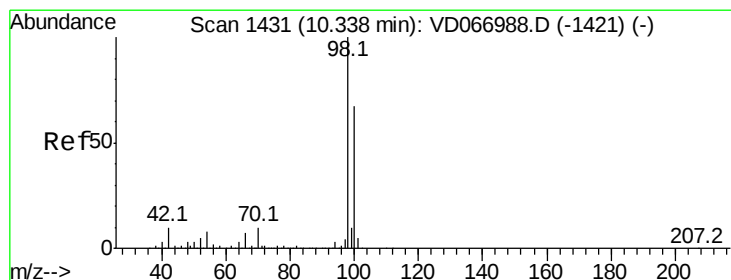
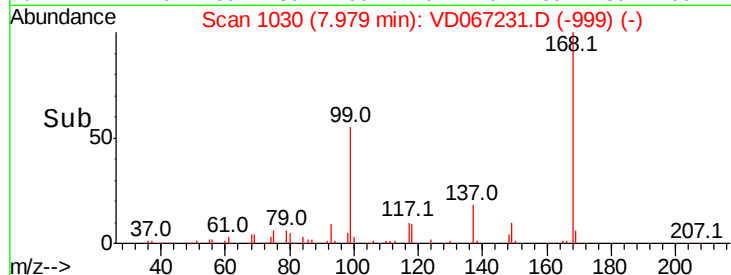
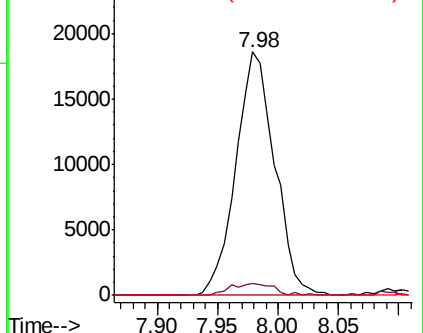
121 0.0 24.2 36.2#



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: 48.046 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067231.D

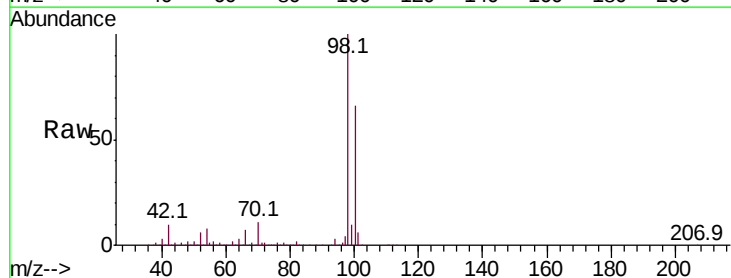
Acq: 12 Oct 2020 13:58

Tgt Ion: 98 Resp: 737892

Ion Ratio Lower Upper

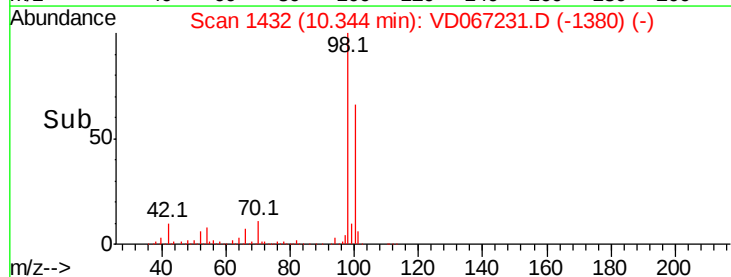
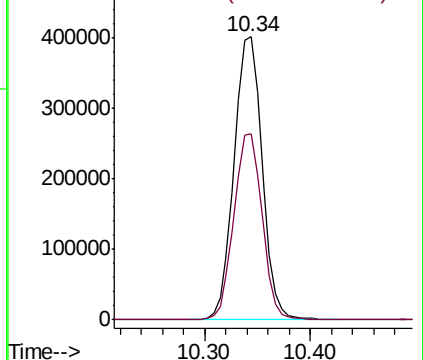
98 100

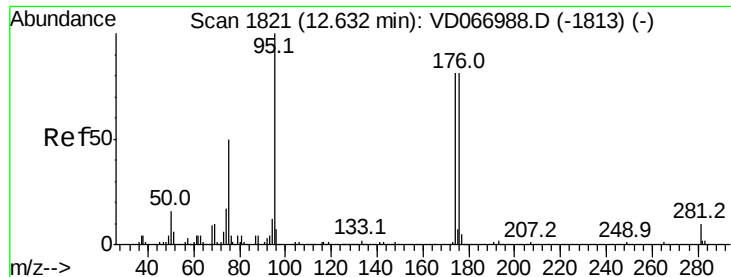
100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.602 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

A-2332-MH11

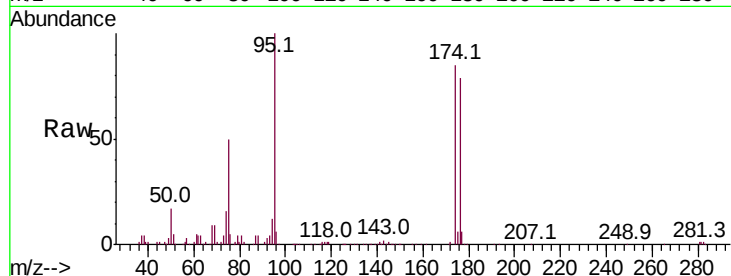
Tot Ion: 95 Resp: 253395

Ion Ratio Lower Upper

95 100

174 87.4 0.0 167.6

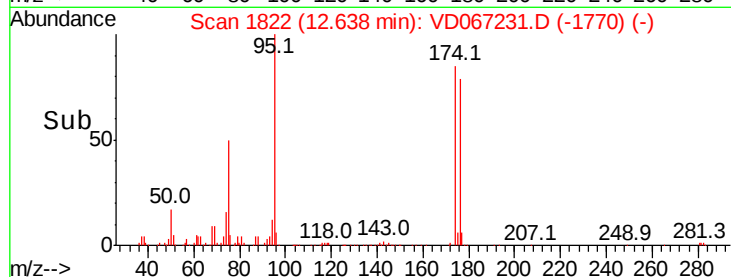
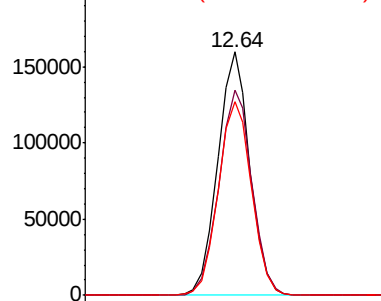
176 82.9 0.0 162.4



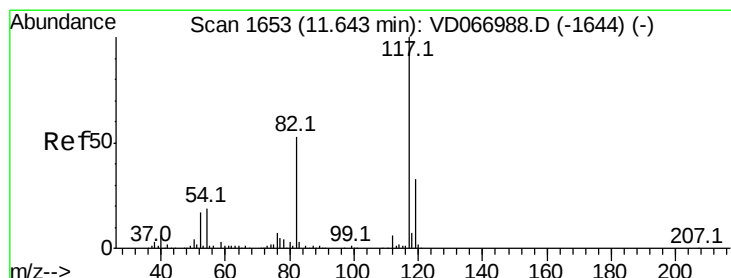
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

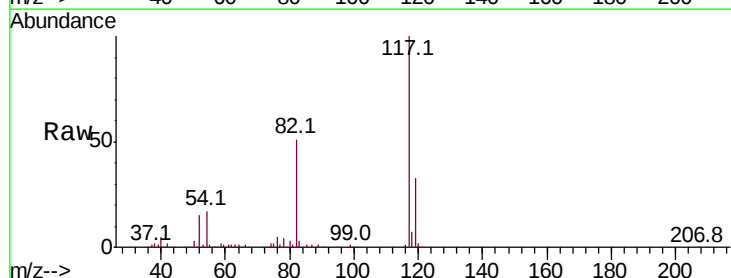
Tgt Ion: 117 Resp: 598521

Ion Ratio Lower Upper

117 100

82 50.6 42.6 63.8

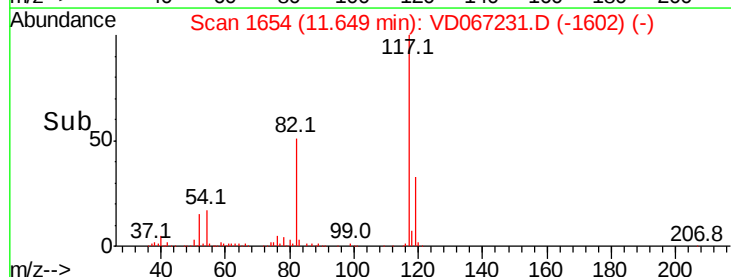
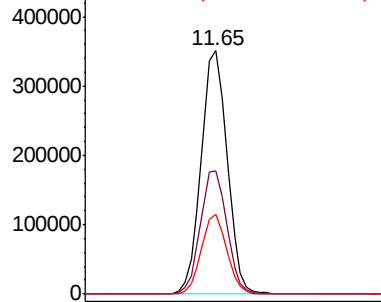
119 32.7 26.3 39.5



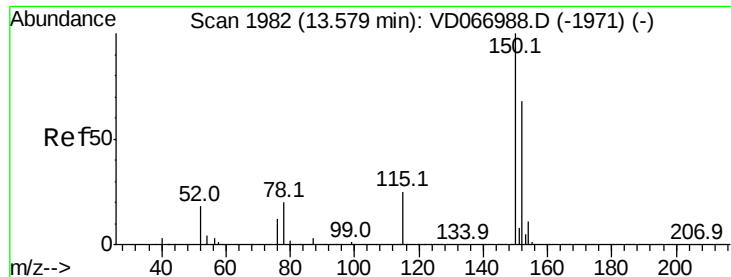
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

A-2332-MH11

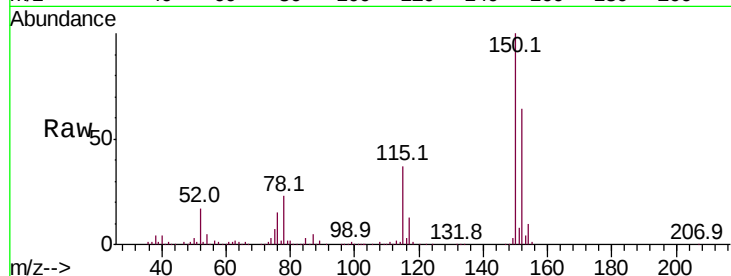
Tot Ion:152 Resp: 282479

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

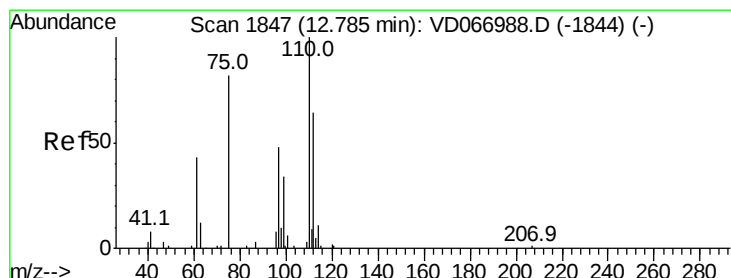
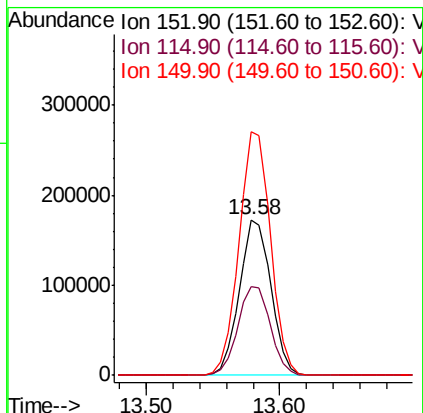
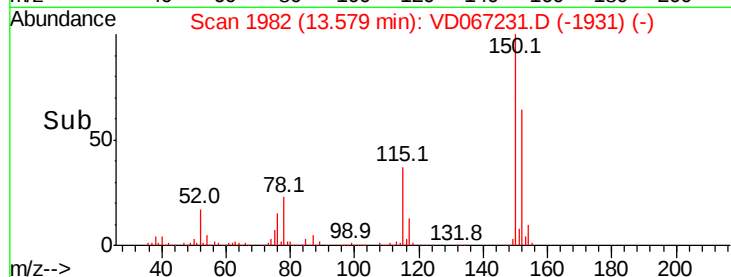
150 155.9 0.0 344.8



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: 52.612 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067231.D

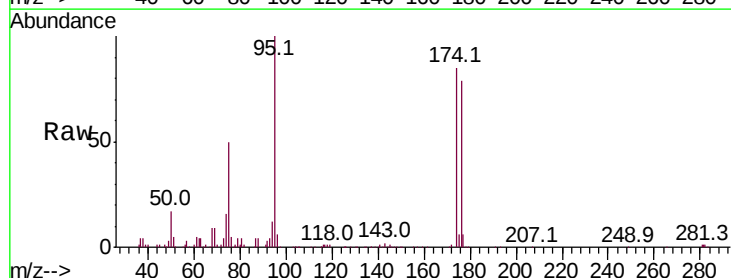
Acq: 12 Oct 2020 13:58

Tgt Ion: 75 Resp: 129452

Ion Ratio Lower Upper

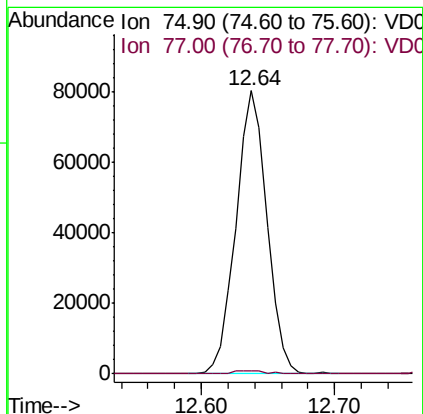
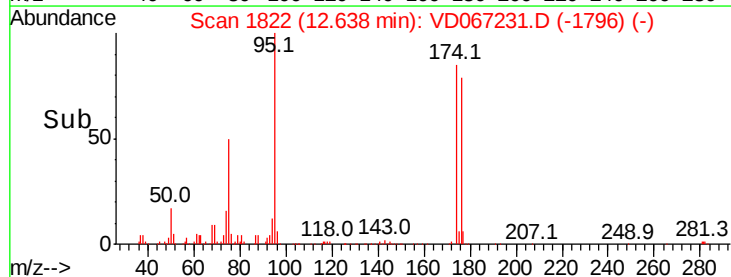
75 100

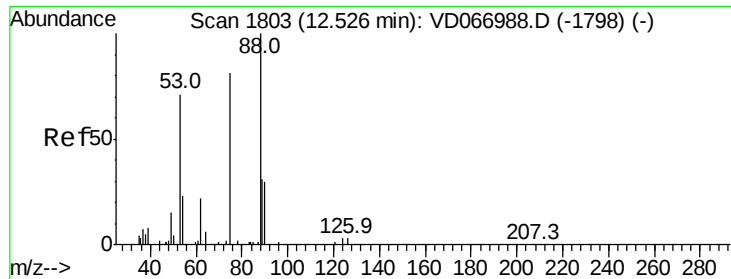
77 1.1 0.0 0.0#



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: 131.169 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067231.D

Acq: 12 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

A-2332-MH11

Tot Ion: 75 Resp: 129452

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#

