

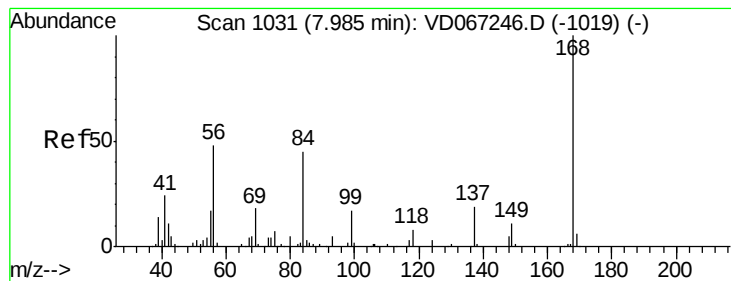
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067484.D
 Acq On : 02 Nov 2020 11:53
 Operator : VA/SY
 Sample : VD1102SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1102SBL01

Quant Time: Nov 02 15:02:33 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	7.99	168	359011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	579566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	556067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	176900	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.92	113	178057	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.34	98	672825	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.64	95	246428	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1992	Below Cal		86
5) Bromomethane	2.79	94	981	Below Cal		97
11) Tert butyl alcohol	5.26	59	58	Below Cal	#	81
20) Methylene Chloride	4.97	84	6368	Below Cal	#	88
31) Cyclohexane	7.99	56	8944	2.159	ug/l #	51
76) 1,2,3-Trichloropropane	12.64	75	127476	65.298	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127476	148.075	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

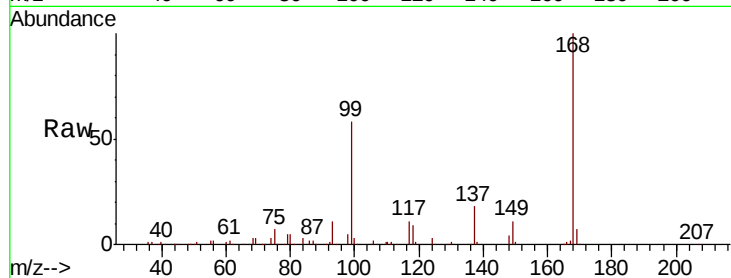
VD1102SBL01

Tot Ion:168 Resp: 359011

Ion Ratio Lower Upper

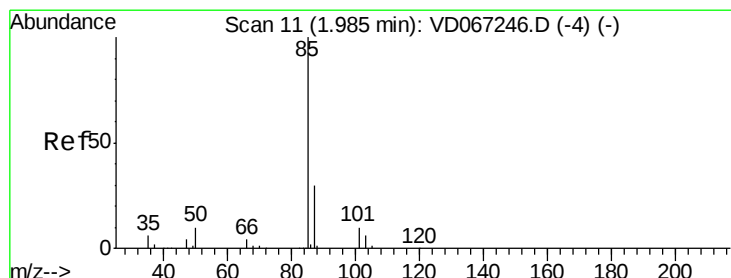
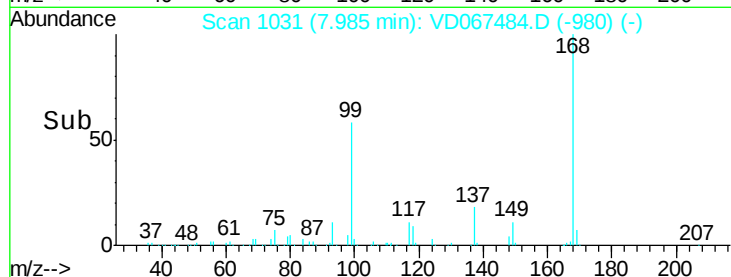
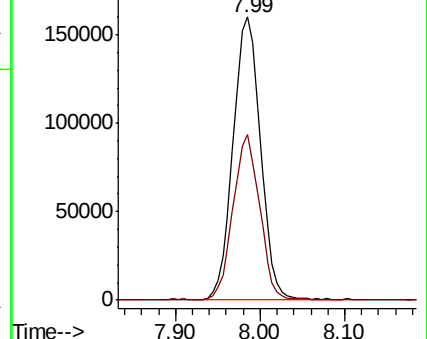
168 100

99 58.2 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: VD067484.D

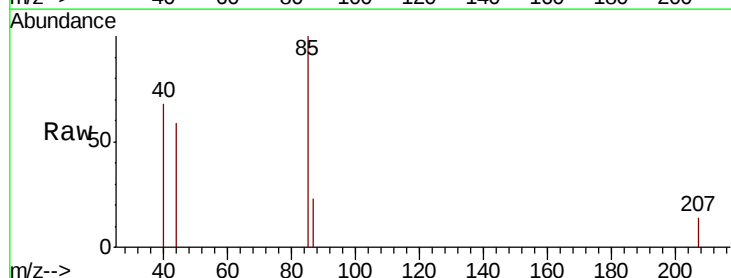
Acq: 02 Nov 2020 11:53

Tgt Ion: 85 Resp: 1992

Ion Ratio Lower Upper

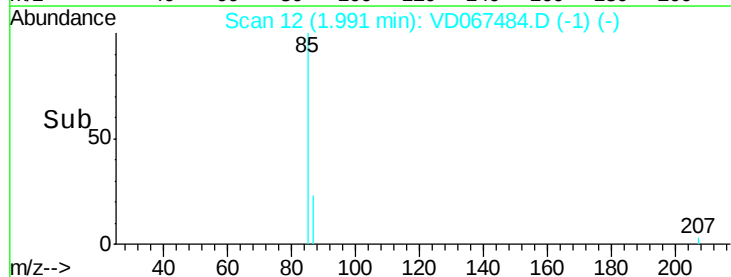
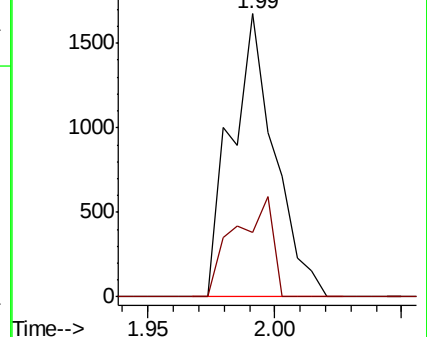
85 100

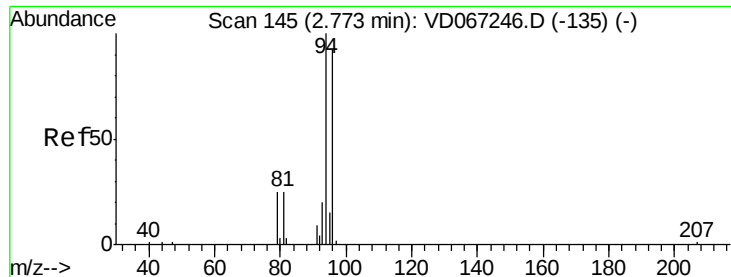
87 22.8 15.2 45.6



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

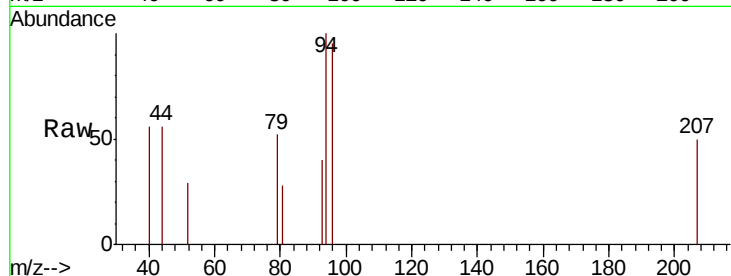
VD1102SBL01

Tot Ion: 94 Resp: 981

Ion Ratio Lower Upper

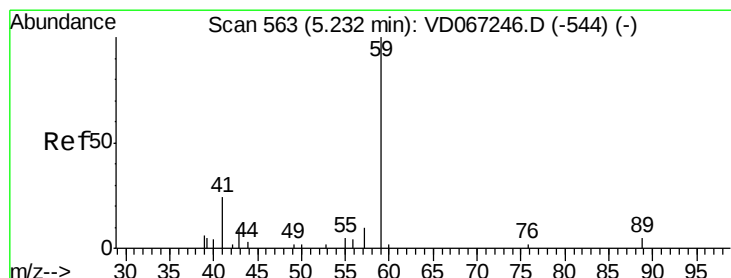
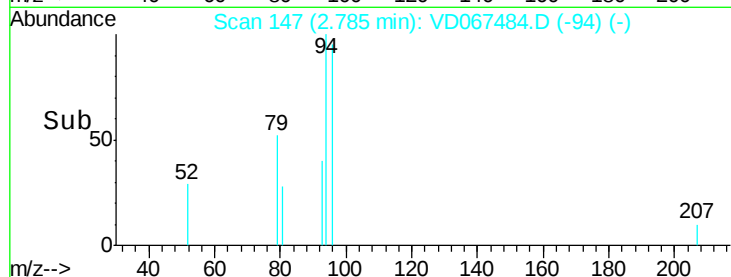
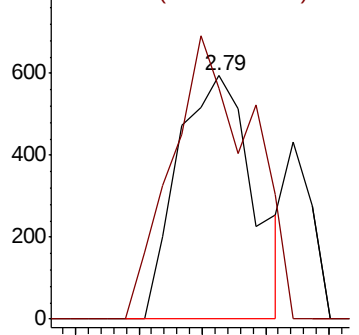
94 100

96 94.8 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 567

Delta R.T. 0.02 min

Lab File: VD067484.D

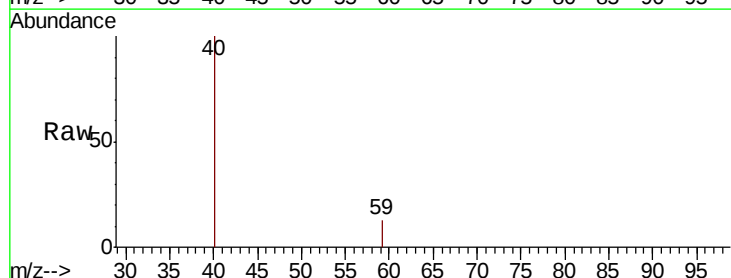
Acq: 02 Nov 2020 11:53

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

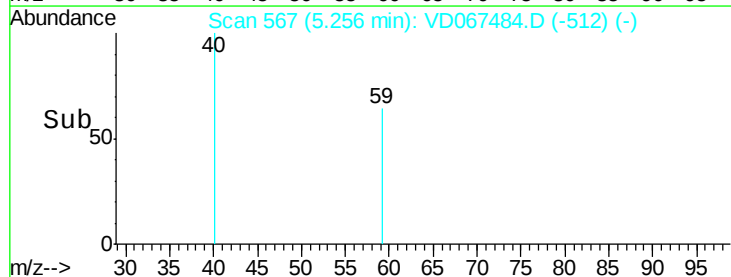
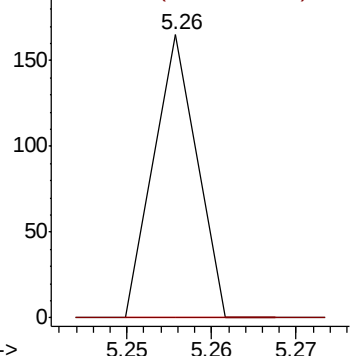
59 100

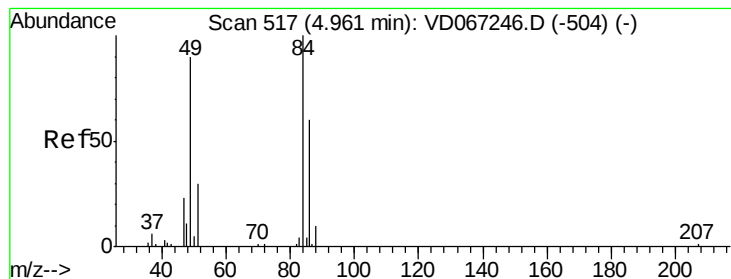
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBL01

Tot Ion: 84 Resp: 6368

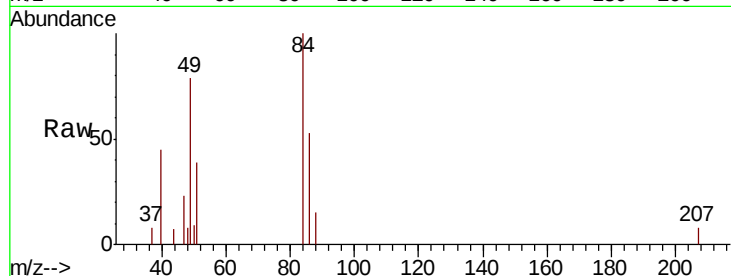
Ion Ratio Lower Upper

84 100

49 79.2 72.2 108.2

51 39.2 23.8 35.8#

86 52.7 48.2 72.4

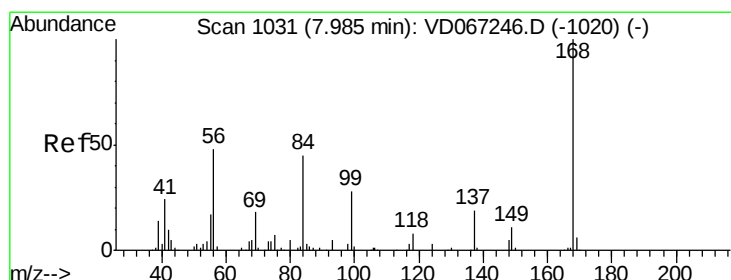
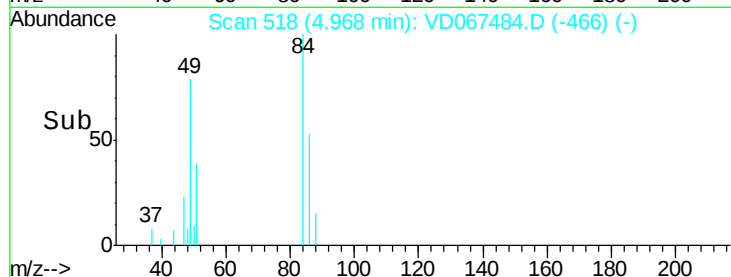
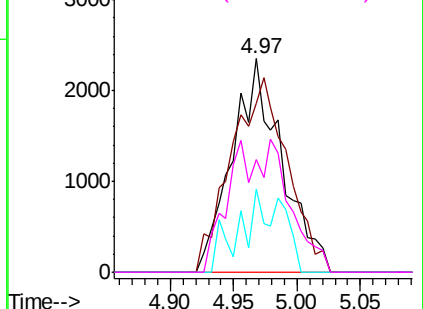


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.159 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

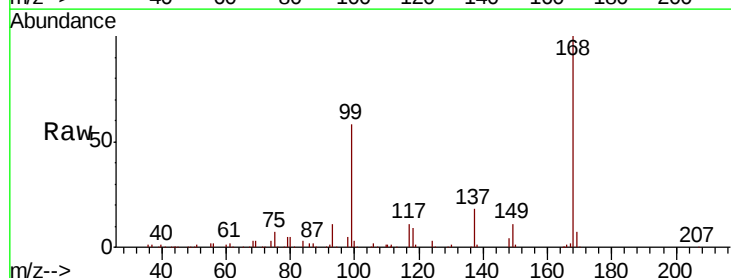
Tgt Ion: 56 Resp: 8944

Ion Ratio Lower Upper

56 100

69 121.3 29.8 44.6#

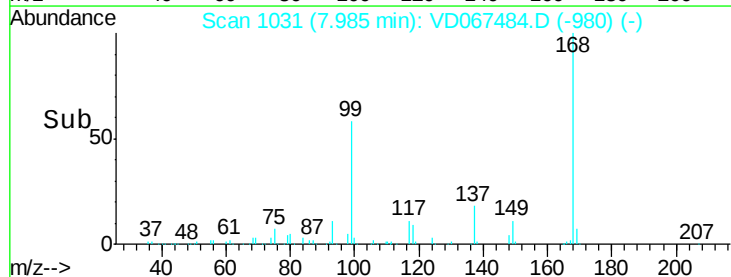
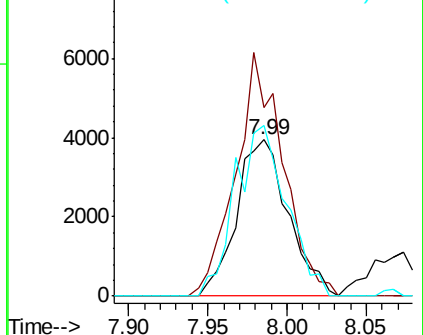
84 109.3 76.6 114.8

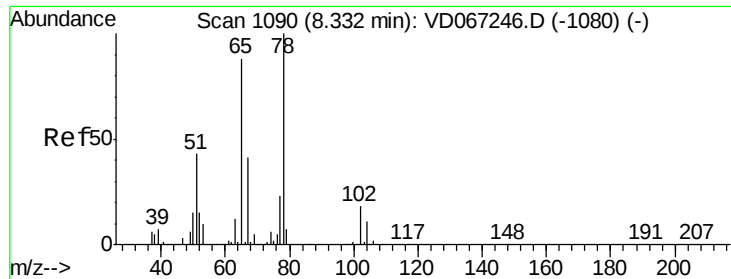


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.183 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

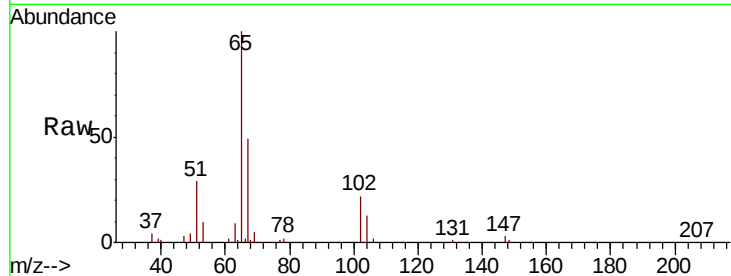
VD1102SBL01

Tot Ion: 65 Resp: 176900

Ion Ratio Lower Upper

65 100

67 48.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

60000

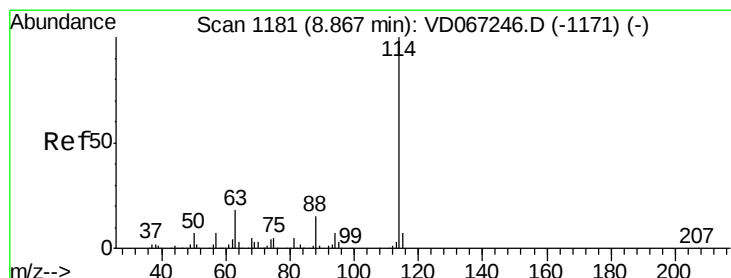
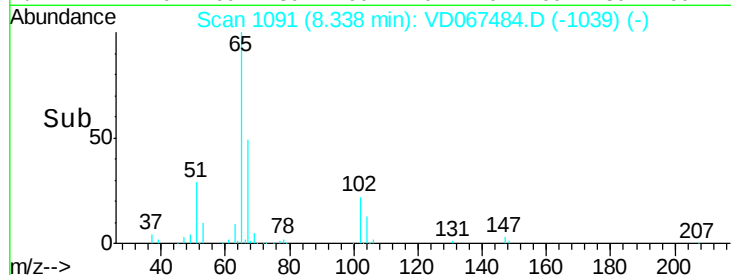
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

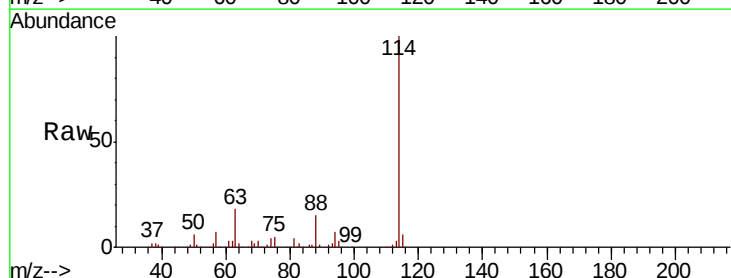
Tgt Ion: 114 Resp: 579566

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.8 0.0 30.6



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

8.87

300000

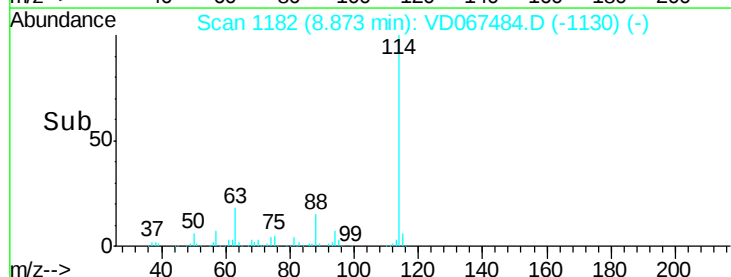
200000

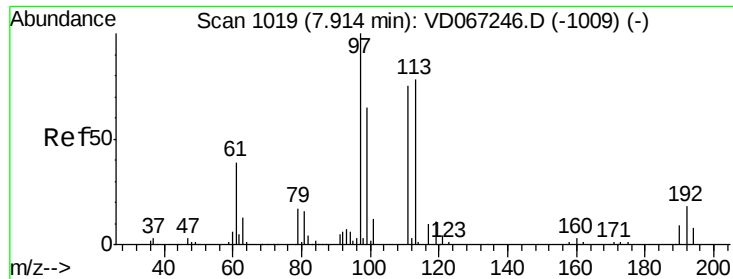
100000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 46.164 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBL01

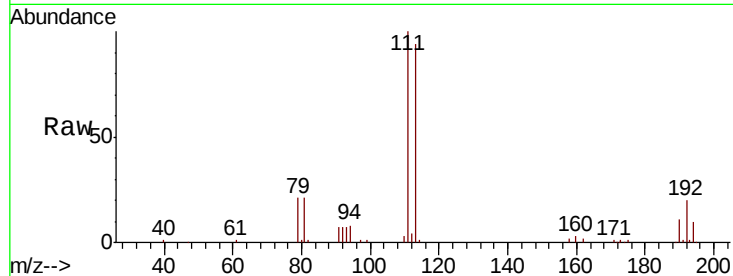
Tot Ion:113 Resp: 178057

Ion Ratio Lower Upper

113 100

111 100.5 81.6 122.4

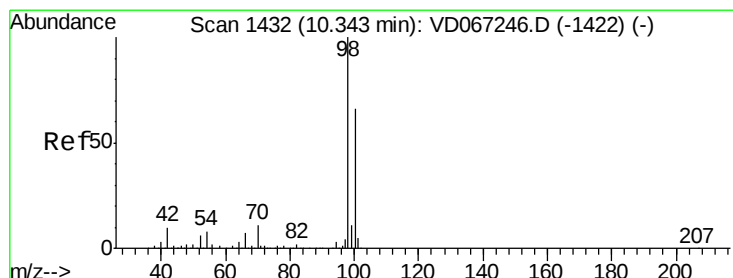
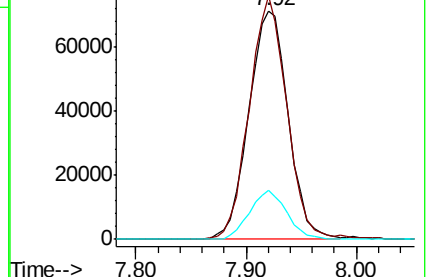
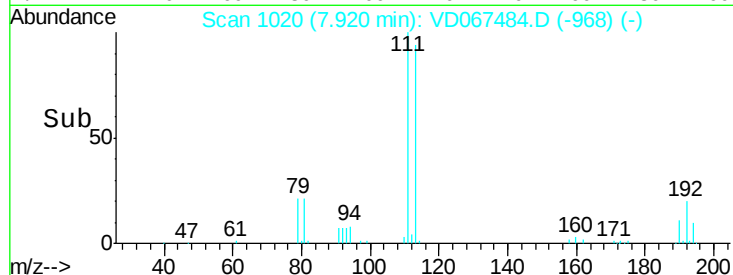
192 20.5 17.0 25.4



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: 48.203 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067484.D

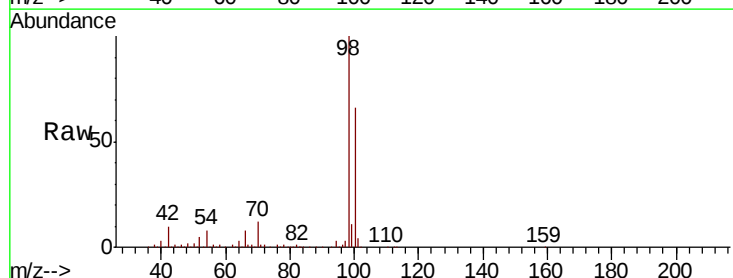
Acq: 02 Nov 2020 11:53

Tgt Ion: 98 Resp: 672825

Ion Ratio Lower Upper

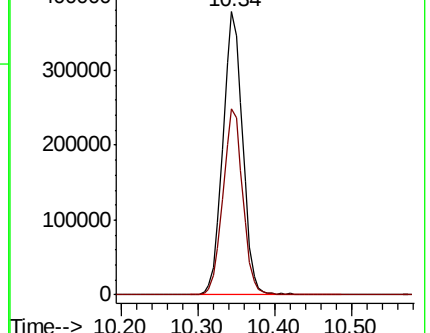
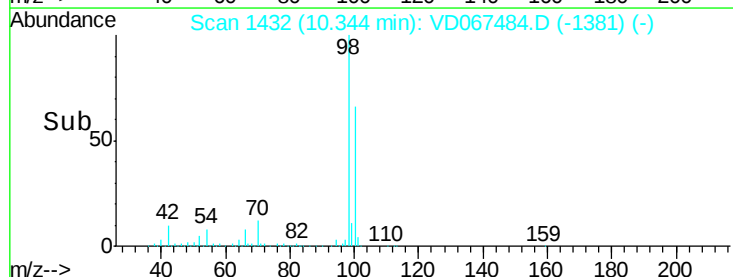
98 100

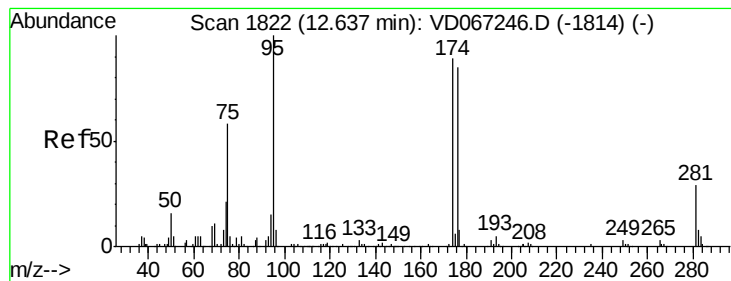
100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.773 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBL01

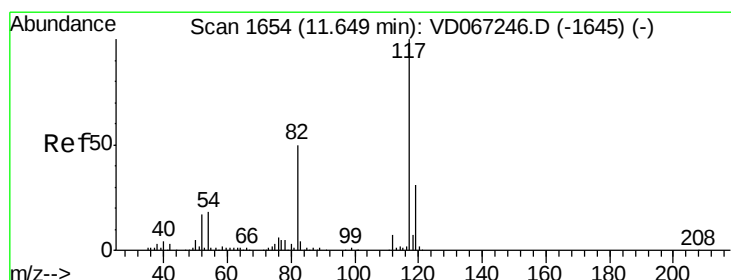
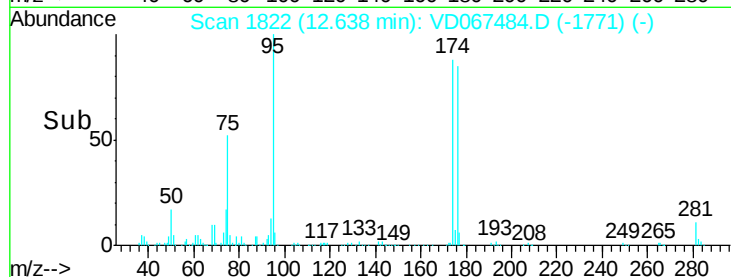
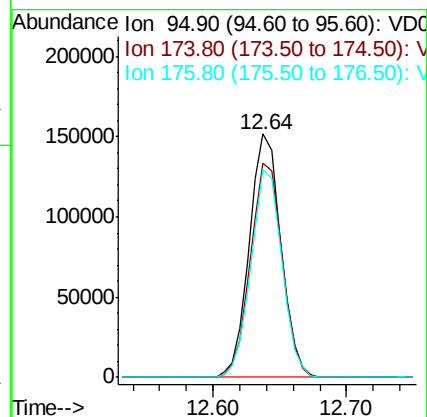
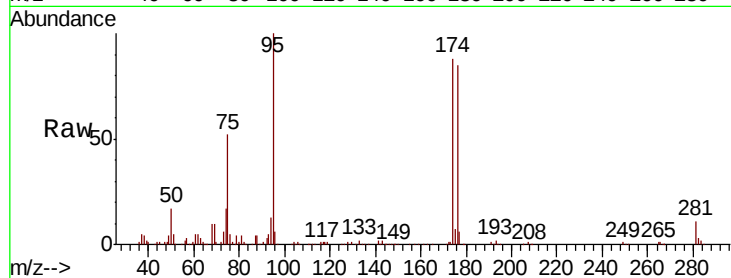
Tot Ion: 95 Resp: 246428

Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.2

176 84.2 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: VD067484.D

Acq: 02 Nov 2020 11:53

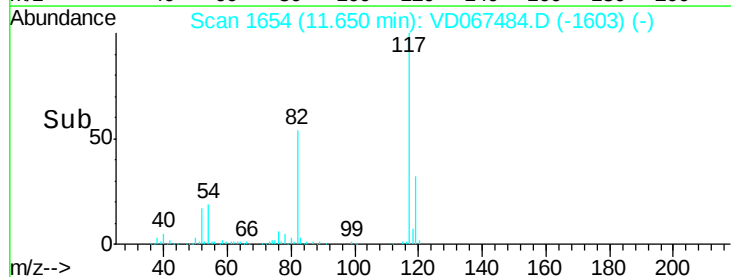
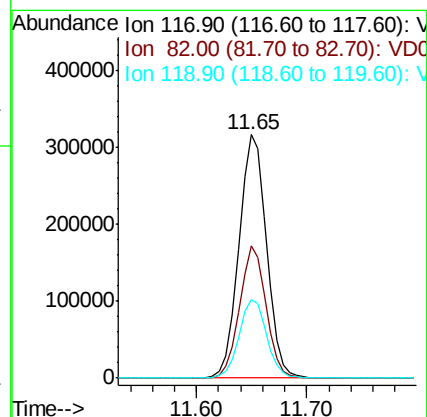
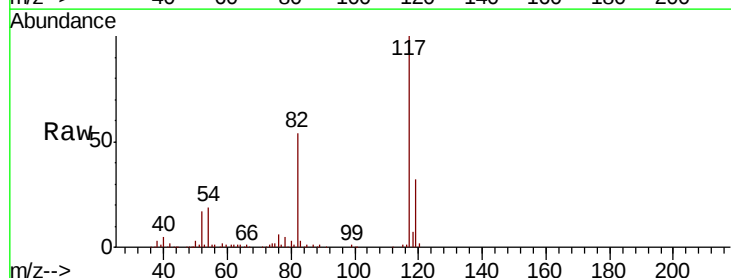
Tgt Ion: 117 Resp: 556067

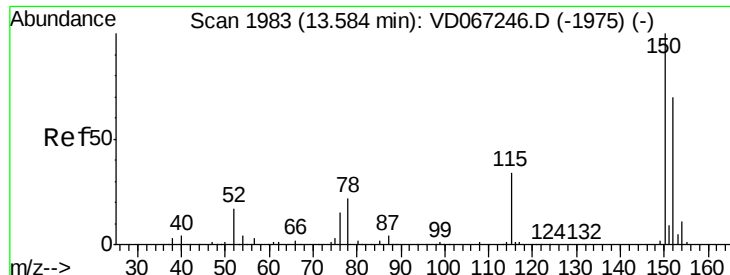
Ion Ratio Lower Upper

117 100

82 54.2 39.9 59.9

119 32.5 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: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBL01

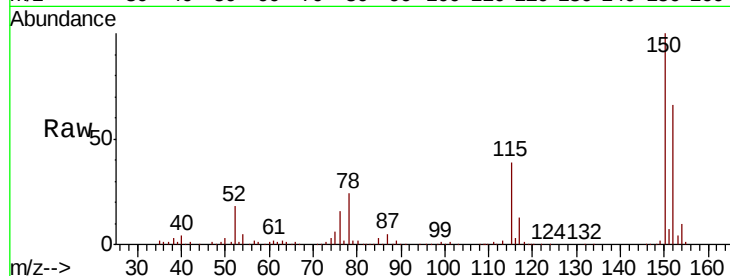
Tot Ion:152 Resp: 281669

Ion Ratio Lower Upper

152 100

115 58.8 29.3 87.9

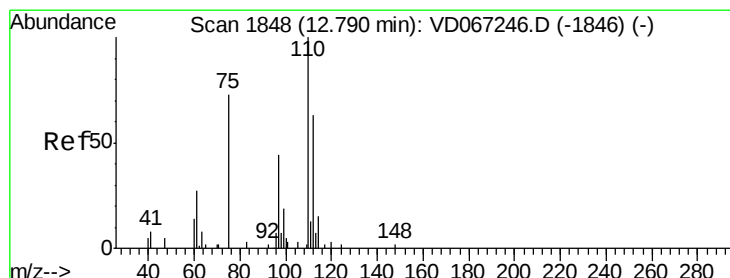
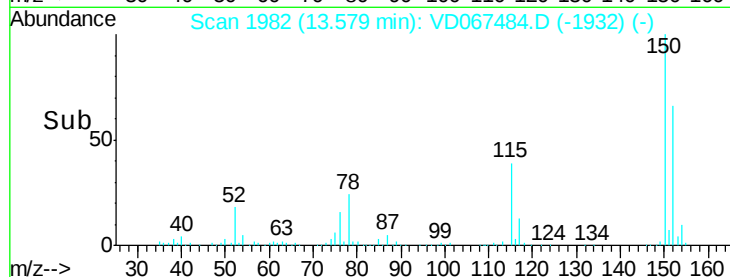
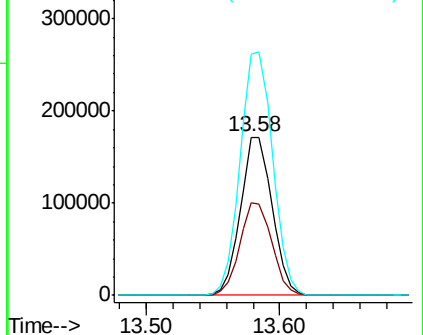
150 158.1 0.0 339.0



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: 65.298 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067484.D

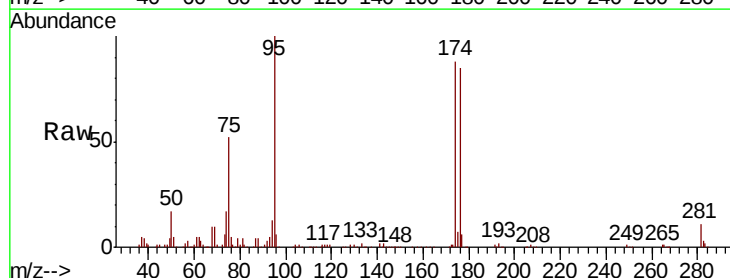
Acq: 02 Nov 2020 11:53

Tgt Ion: 75 Resp: 127476

Ion Ratio Lower Upper

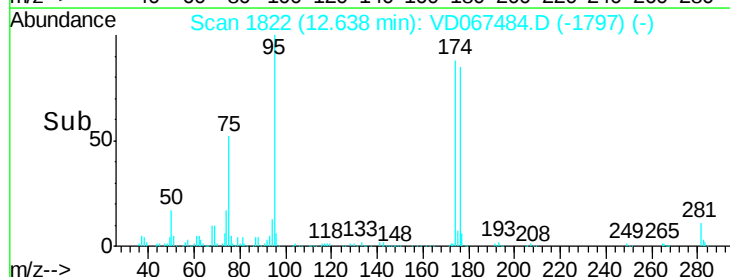
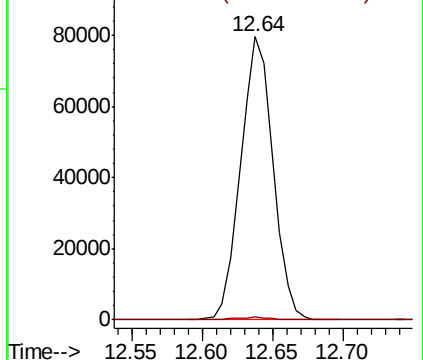
75 100

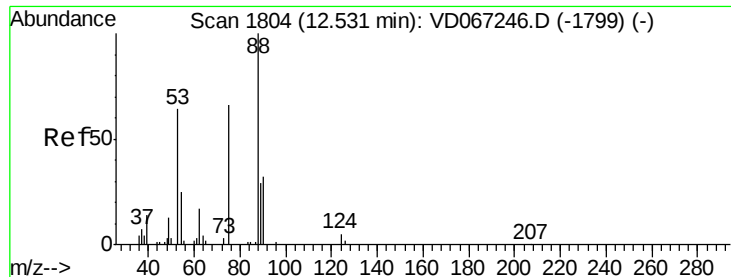
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 148.075 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067484.D

Acq: 02 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD1102SBL01

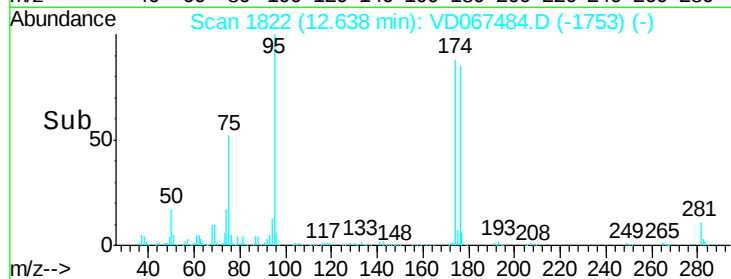
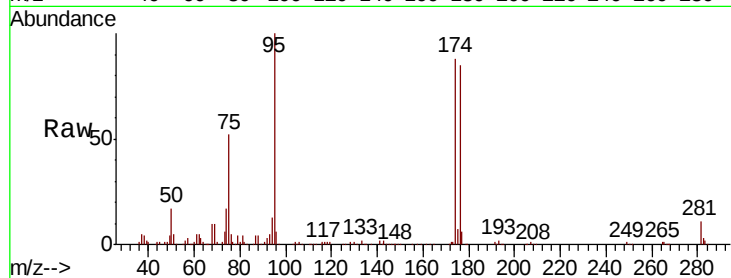
Tot Ion: 75 Resp: 127476

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

