

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067498.D
 Acq On : 02 Nov 2020 18:15
 Operator : VA/SY
 Sample : L4531-03
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1916-GC-GRAB-C

Quant Time: Nov 03 00:30:43 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

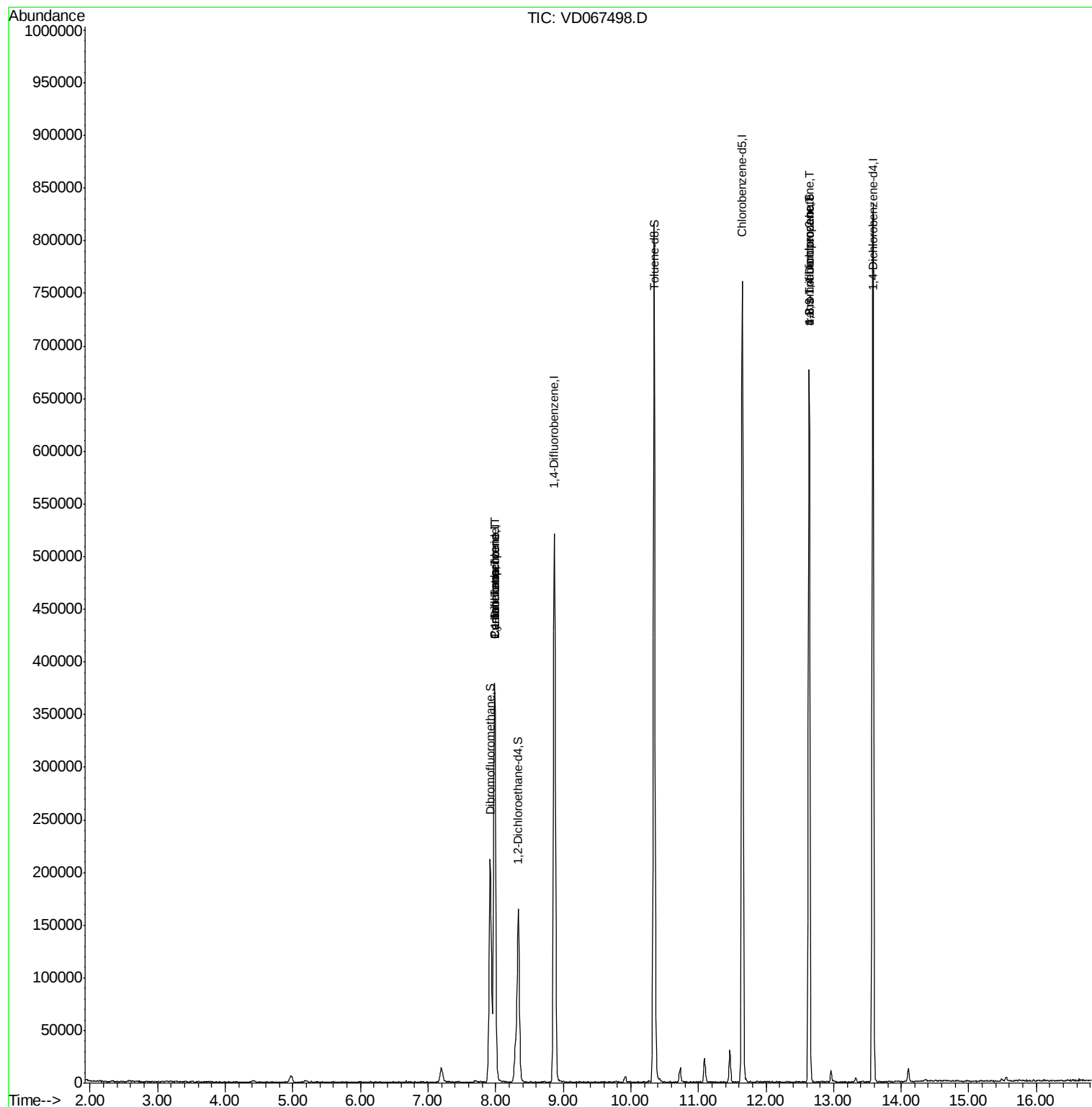
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	286758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	478801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235922	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	141228	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
35) Dibromofluoromethane	7.92	113	150632	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
50) Toluene-d8	10.35	98	569910	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.64	95	202833	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	247	Below Cal	#	44
5) Bromomethane	2.79	94	152	Below Cal	#	3
11) Tert butyl alcohol	5.17	59	1012	Below Cal	#	81
20) Methylene Chloride	4.97	84	5507	Below Cal	#	89
31) Cyclohexane	7.99	56	5678	1.716	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	21114	5.203	ug/l #	43
38) Carbon Tetrachloride	7.99	117	29800	5.745	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	105063	64.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105063	145.705	ug/l #	10

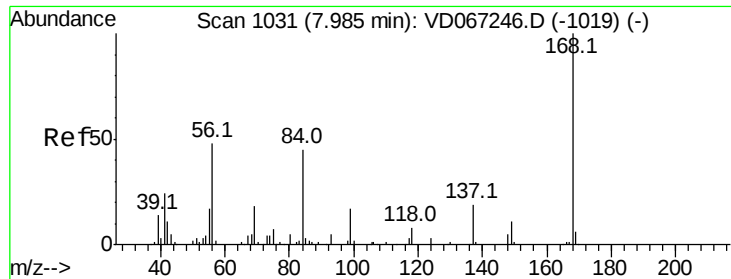
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

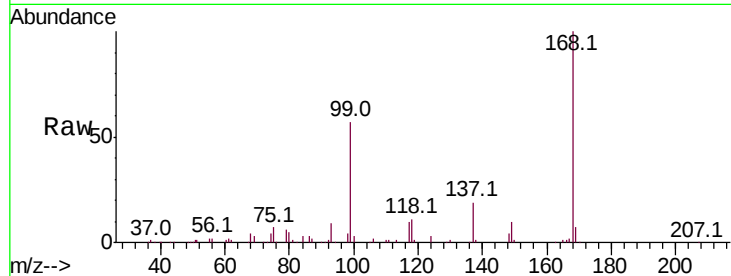
TP-1916-GC-GRAB-C

Tot Ion:168 Resp: 286758

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

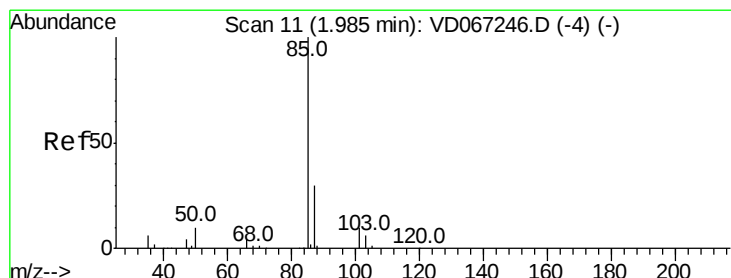
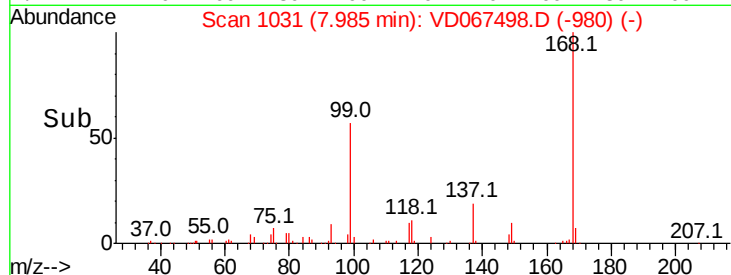
100000

50000

0

Time-->

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: VD067498.D

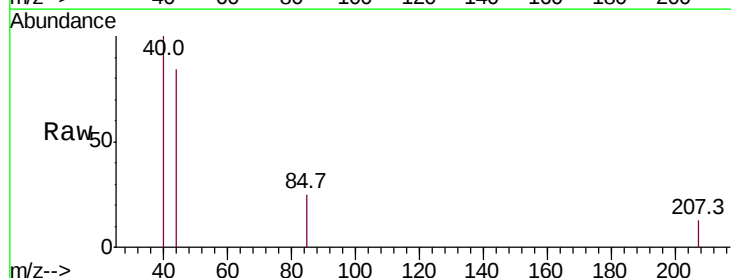
Acq: 02 Nov 2020 18:15

Tgt Ion: 85 Resp: 247

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

300

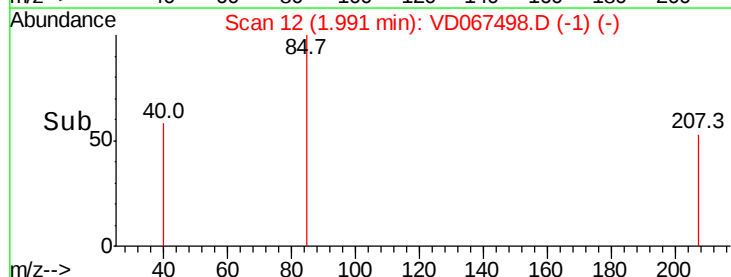
200

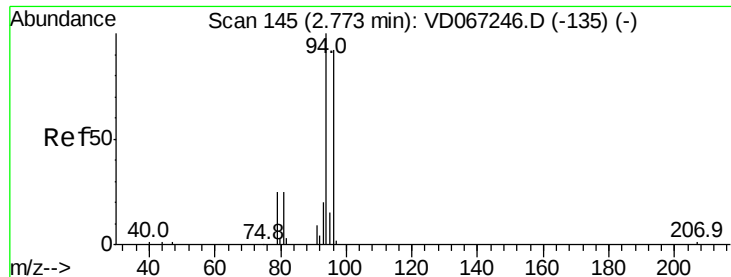
100

0

Time-->

1.96 1.98 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

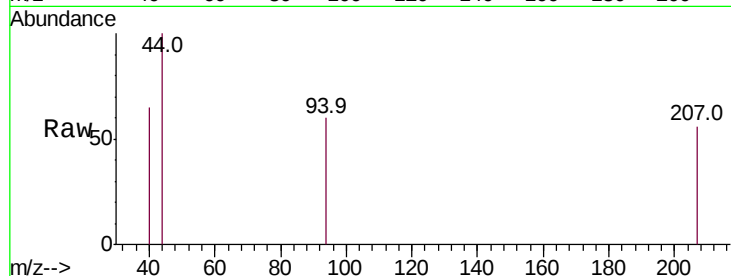
TP-1916-GC-GRAB-C

Tot Ion: 94 Resp: 152

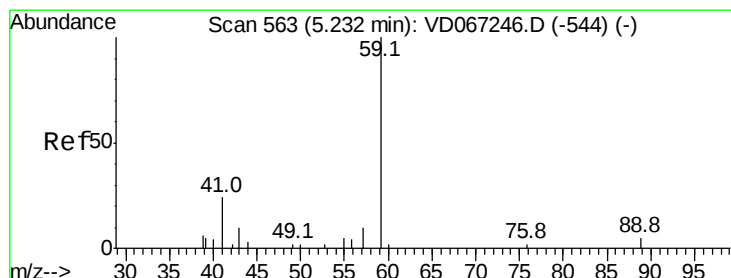
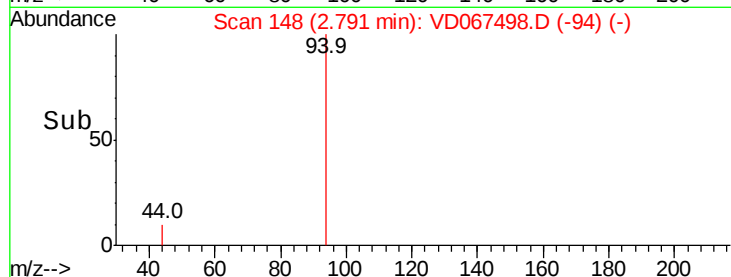
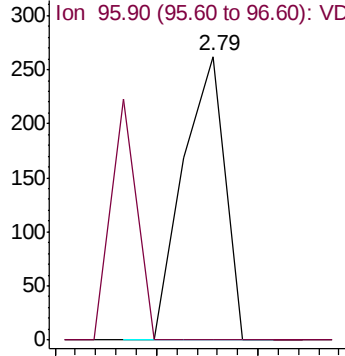
Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.06 min

Lab File: VD067498.D

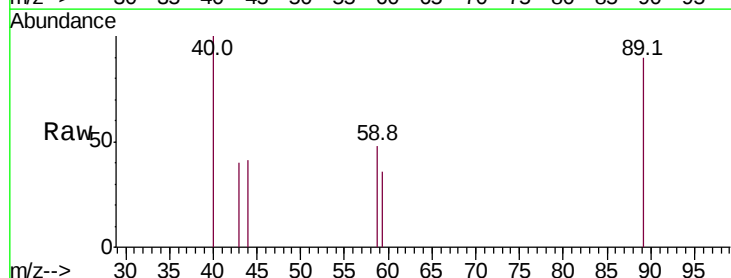
Acq: 02 Nov 2020 18:15

Tgt Ion: 59 Resp: 1012

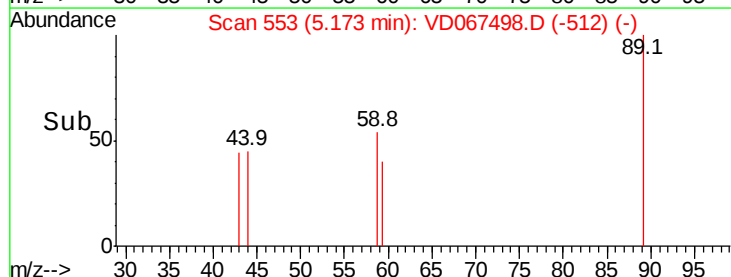
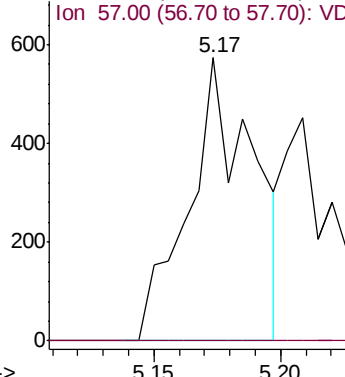
Ion Ratio Lower Upper

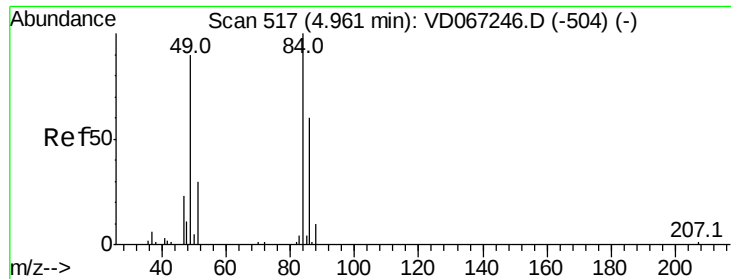
59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-C

Tot Ion: 84 Resp: 5507

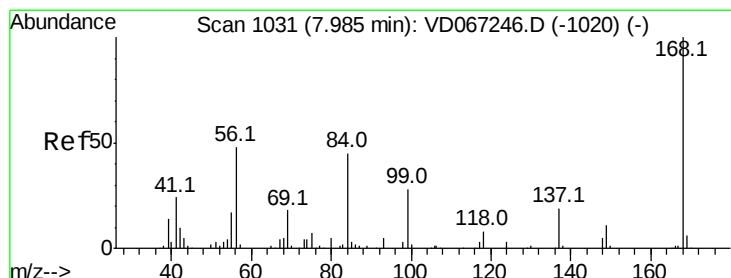
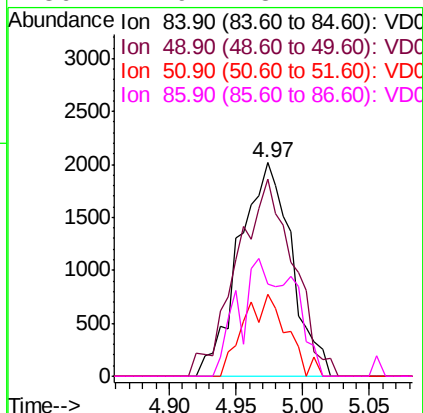
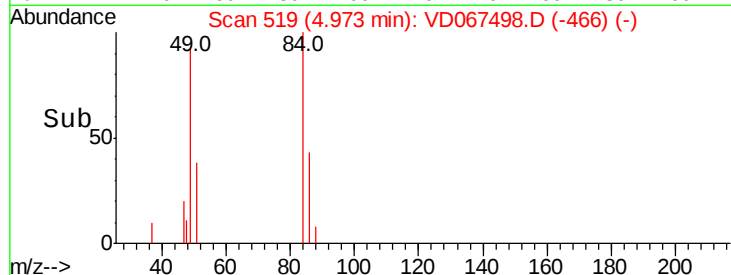
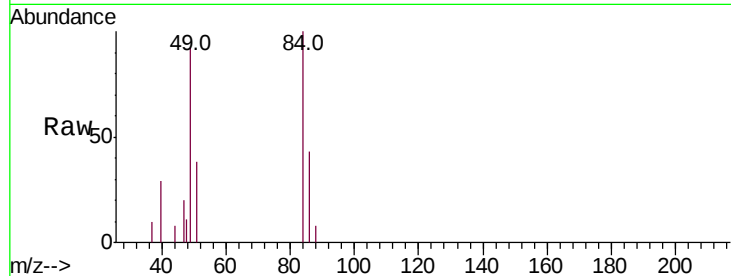
Ion Ratio Lower Upper

84 100

49 92.2 72.2 108.2

51 38.4 23.8 35.8#

86 42.9 48.2 72.4#



#31

Cyclohexane

Concen: 1.716 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

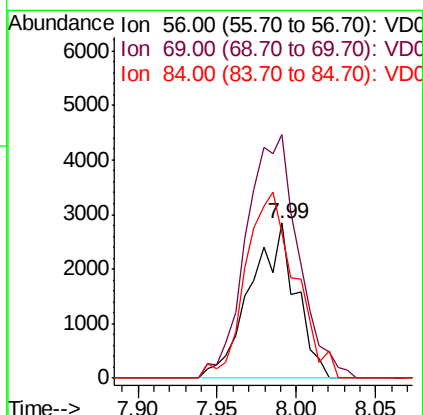
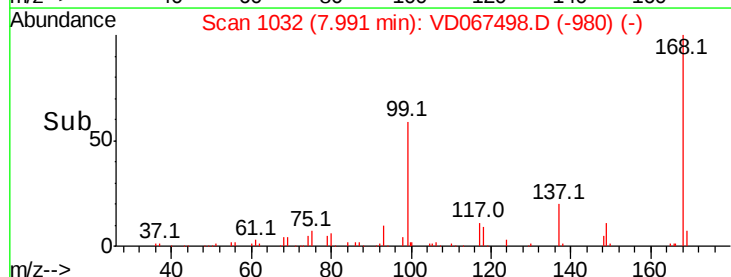
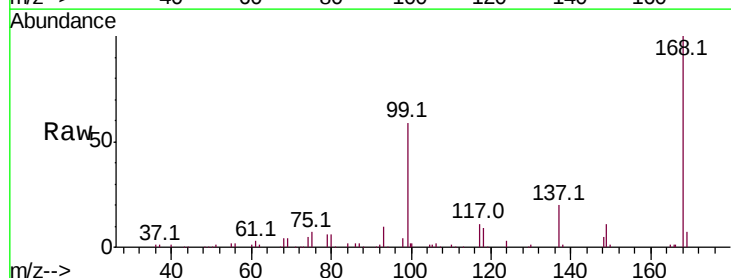
Tgt Ion: 56 Resp: 5678

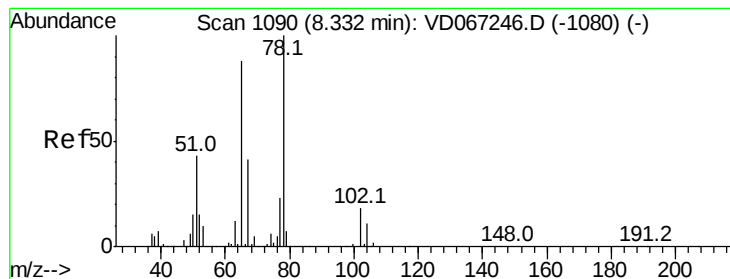
Ion Ratio Lower Upper

56 100

69 157.2 29.8 44.6#

84 93.6 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 49.159 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

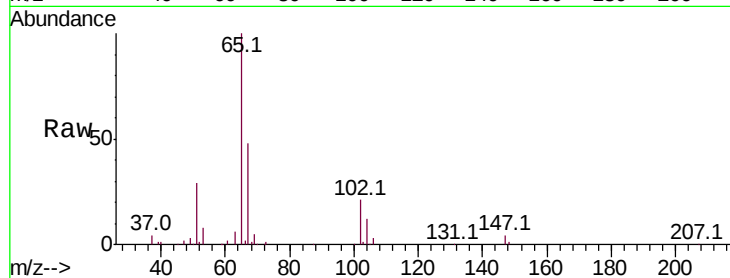
TP-1916-GC-GRAB-C

Tot Ion: 65 Resp: 141228

Ion Ratio Lower Upper

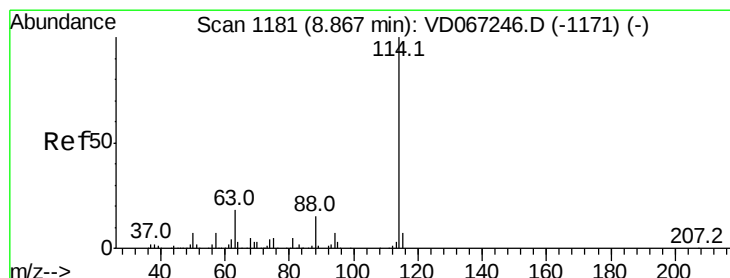
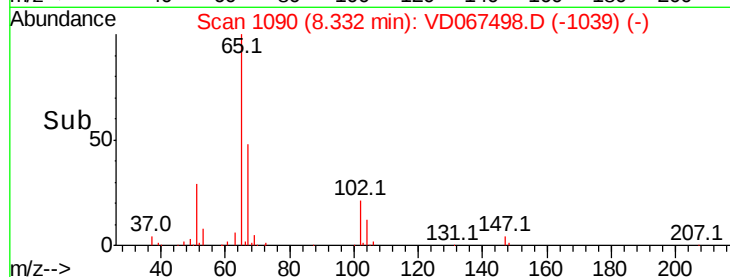
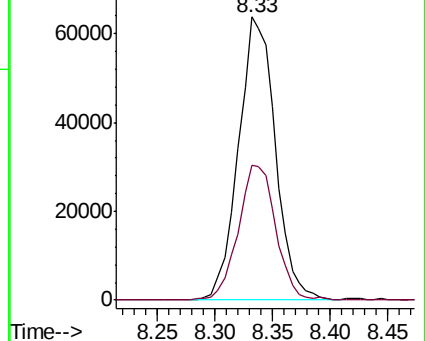
65 100

67 48.5 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# 1182

Delta R.T. 0.01 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

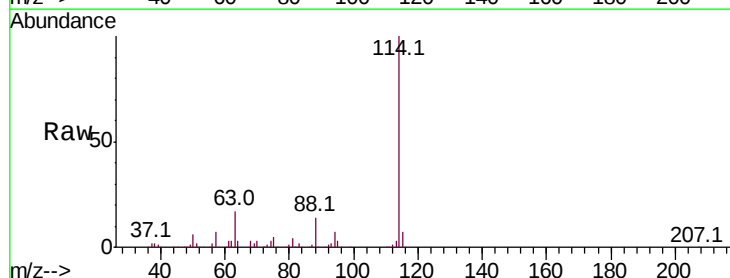
Tgt Ion: 114 Resp: 478801

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

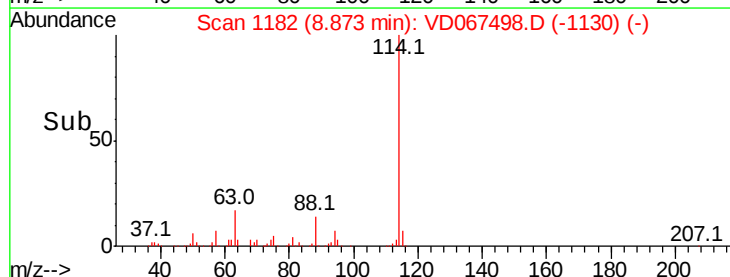
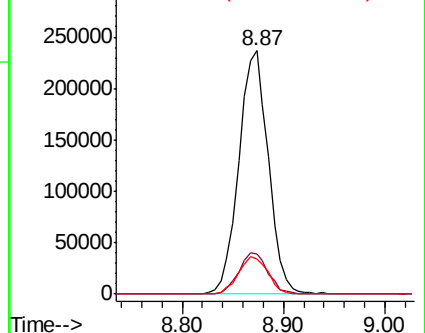
88 14.3 0.0 30.6

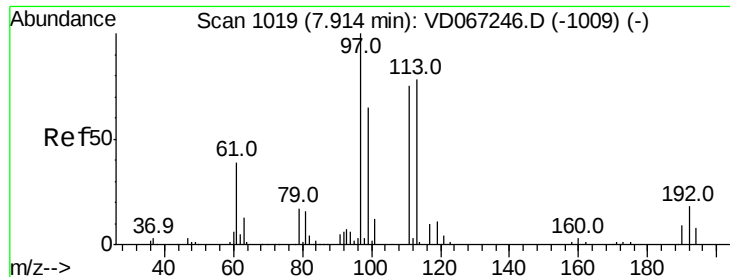


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

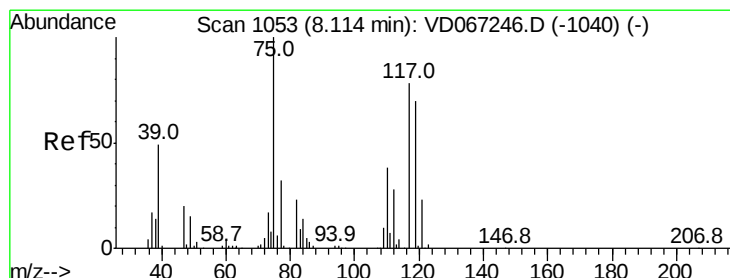
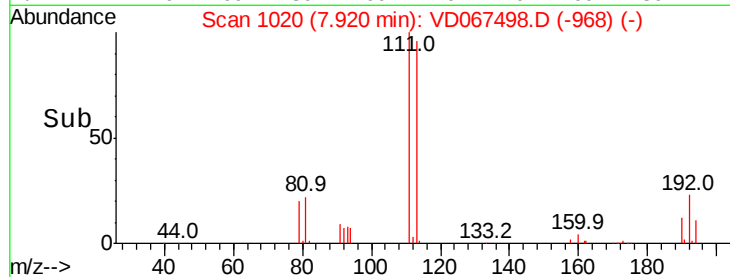
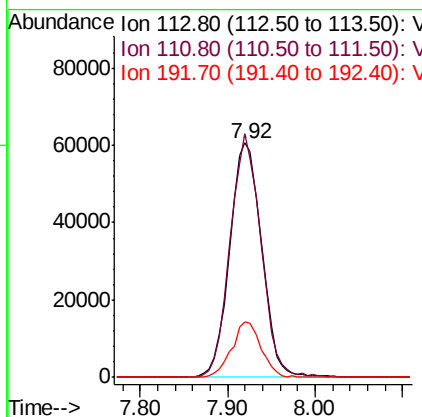
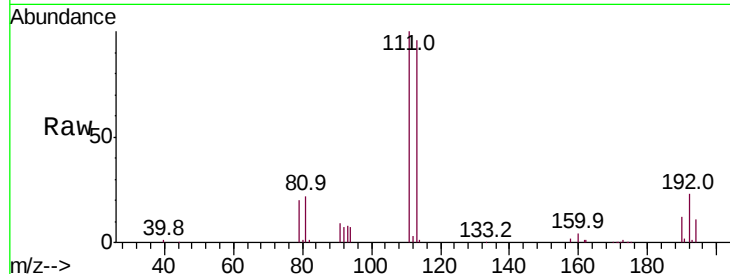




#35
 Dibromofluoromethane
 Concen: 47.273 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067498.D
 Acq: 02 Nov 2020 18:15

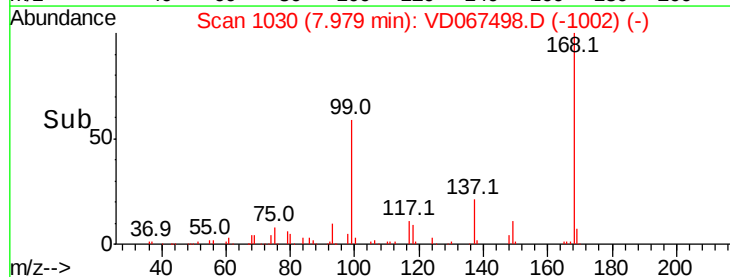
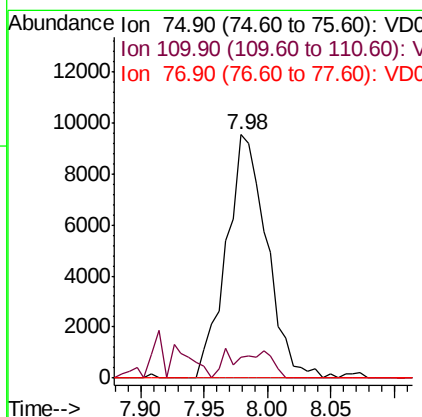
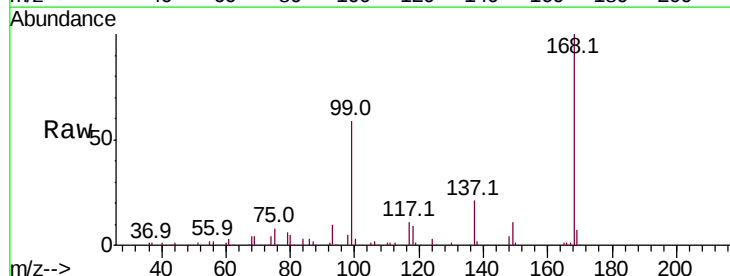
Instrument :
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 TP-1916-GC-GRAB-C

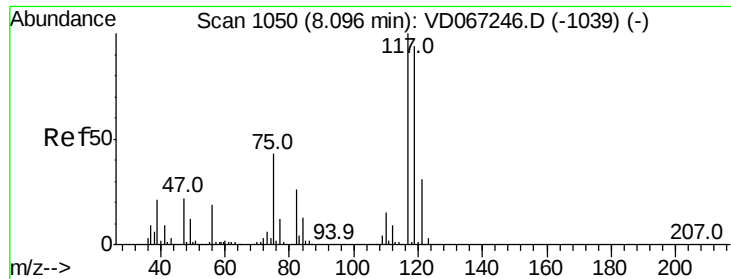
Tot Ion:113 Resp: 150632
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.6 122.4
 192 21.8 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD067498.D
 Acq: 02 Nov 2020 18:15

Tgt Ion: 75 Resp: 21114
 Ion Ratio Lower Upper
 75 100
 110 3.5 19.6 58.7#
 77 0.0 24.6 37.0#

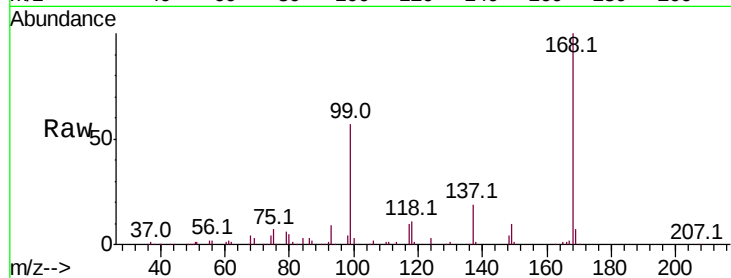




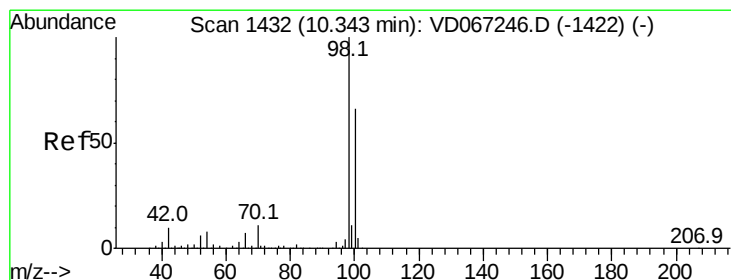
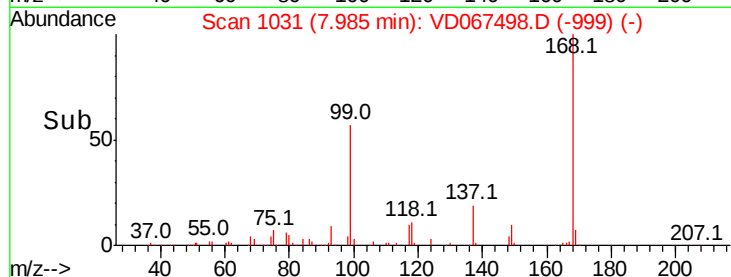
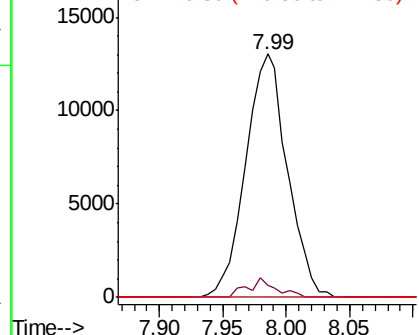
#38
Carbon Tetrachloride
Concen: 5.745 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067498.D
Acq: 02 Nov 2020 18:15

Instrument :
MSVOA_D
ClientSampleId :
TP-1916-GC-GRAB-C

Tot Ion:117 Resp: 29800
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.4#
121 0.0 24.9 37.3#

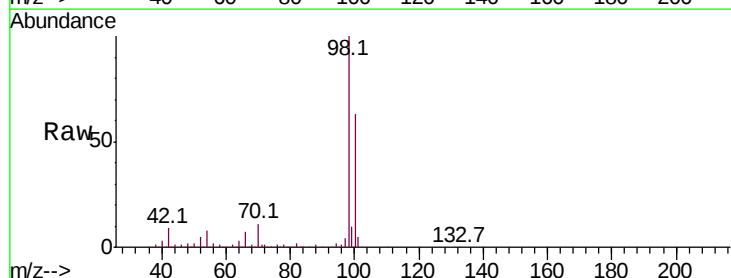


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

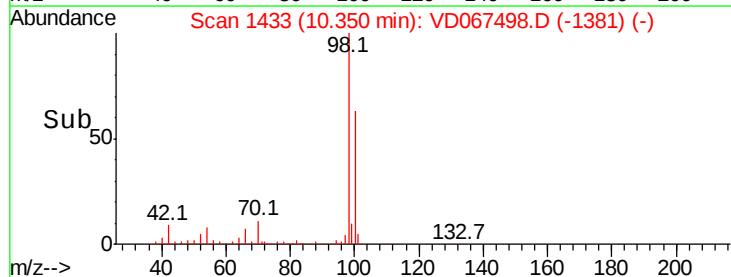
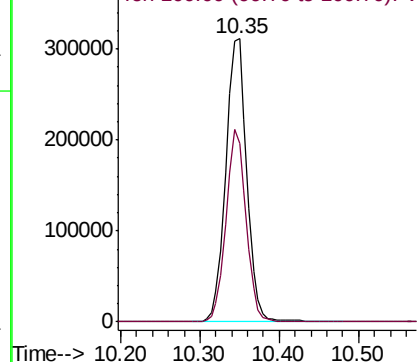


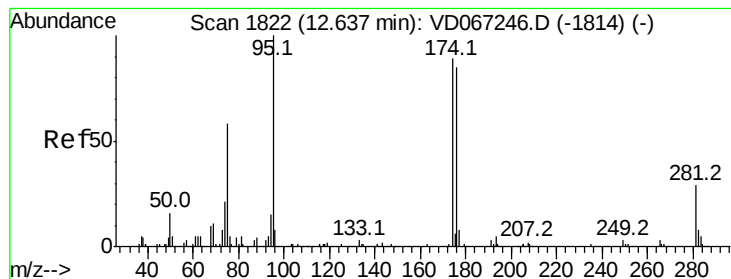
#50
Toluene-d8
Concen: 49.422 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD067498.D
Acq: 02 Nov 2020 18:15

Tgt Ion: 98 Resp: 569910
Ion Ratio Lower Upper
98 100
100 65.1 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: 50.585 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-C

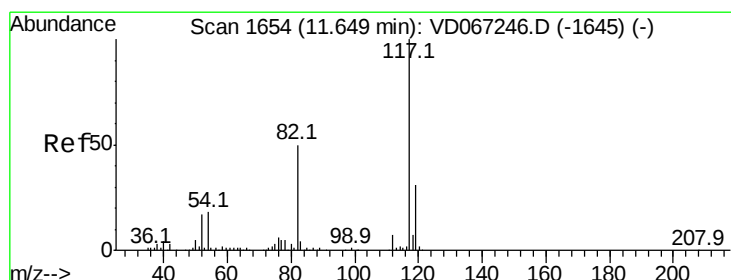
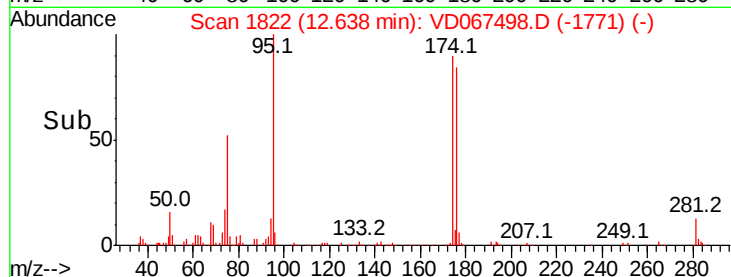
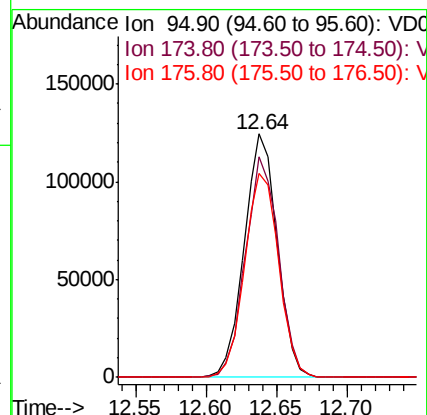
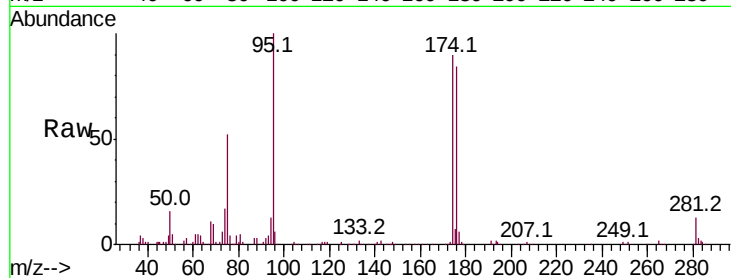
Tot Ion: 95 Resp: 202833

Ion Ratio Lower Upper

95 100

174 91.5 0.0 175.2

176 87.1 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: VD067498.D

Acq: 02 Nov 2020 18:15

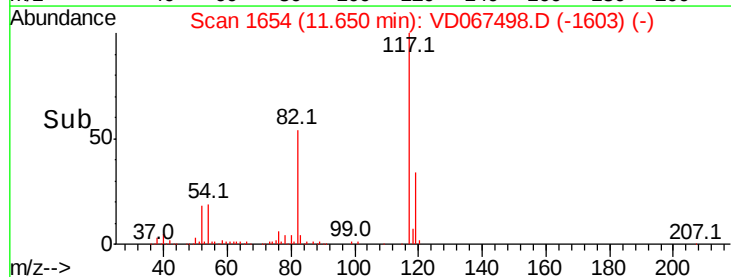
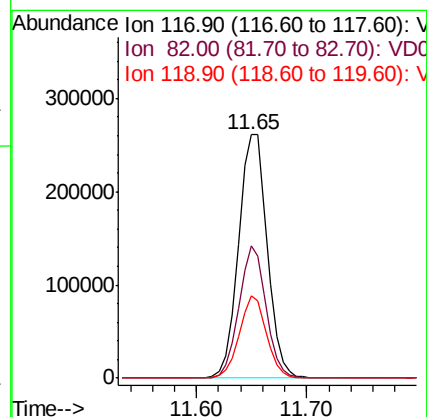
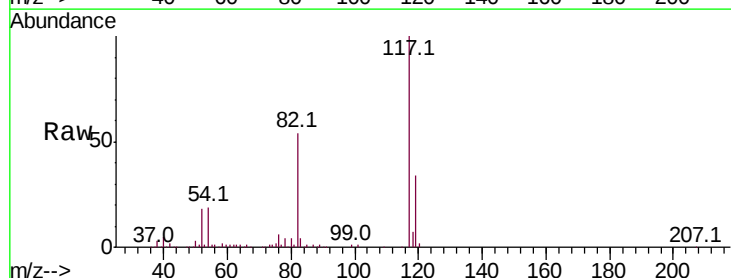
Tgt Ion: 117 Resp: 475610

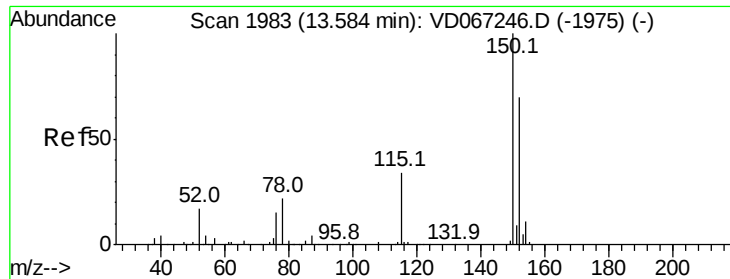
Ion Ratio Lower Upper

117 100

82 54.4 39.9 59.9

119 33.6 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-C

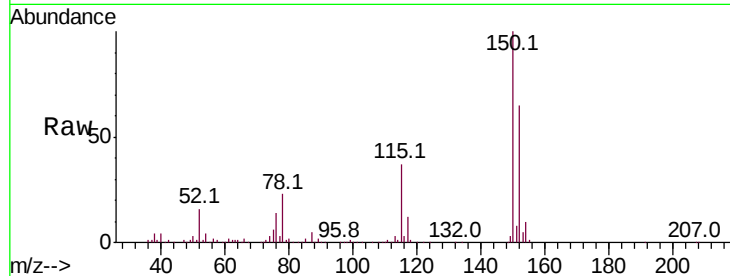
Tot Ion:152 Resp: 235922

Ion Ratio Lower Upper

152 100

115 58.1 29.3 87.9

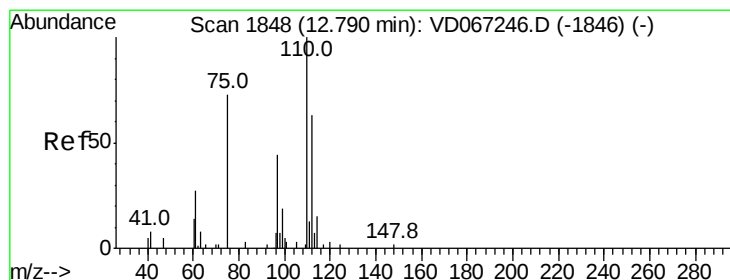
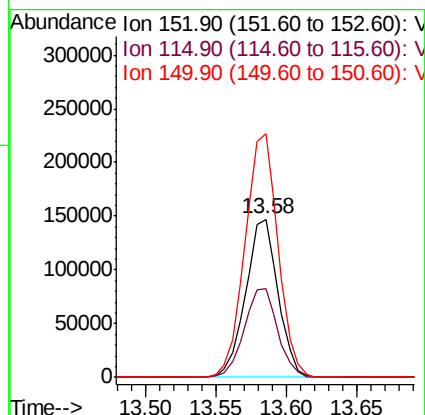
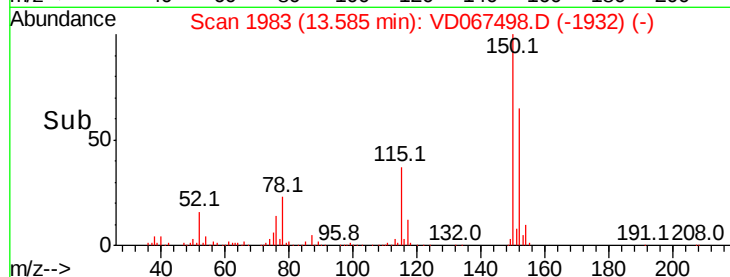
150 157.2 0.0 339.0



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: 64.252 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067498.D

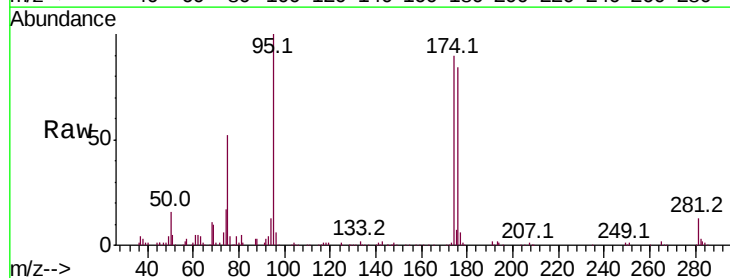
Acq: 02 Nov 2020 18:15

Tgt Ion: 75 Resp: 105063

Ion Ratio Lower Upper

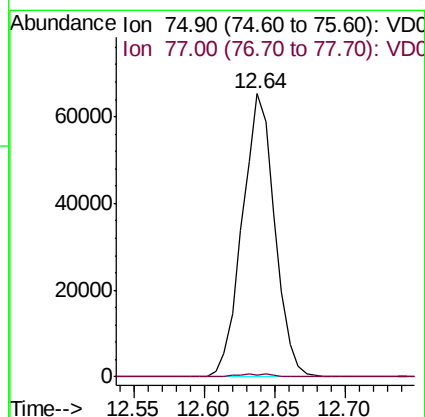
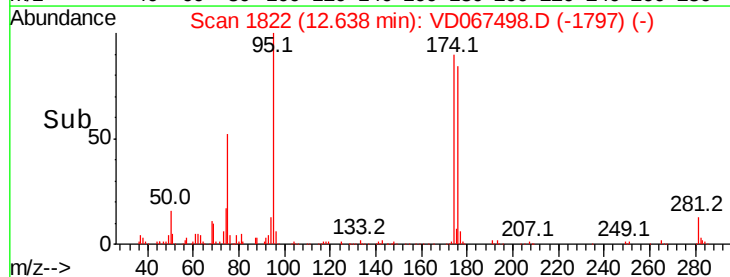
75 100

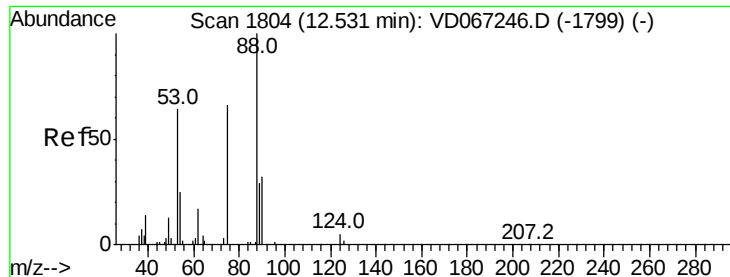
77 1.2 0.0 0.0#



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: 145.705 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067498.D

Acq: 02 Nov 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-C

Tot Ion: 75 Resp: 105063

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

