

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067497.D
 Acq On : 02 Nov 2020 17:47
 Operator : VA/SY
 Sample : L4531-02
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 03 00:30:31 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	290404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	479344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	486743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	143116	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	7.92	113	153993	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.34	98	572851	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.64	95	205462	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	

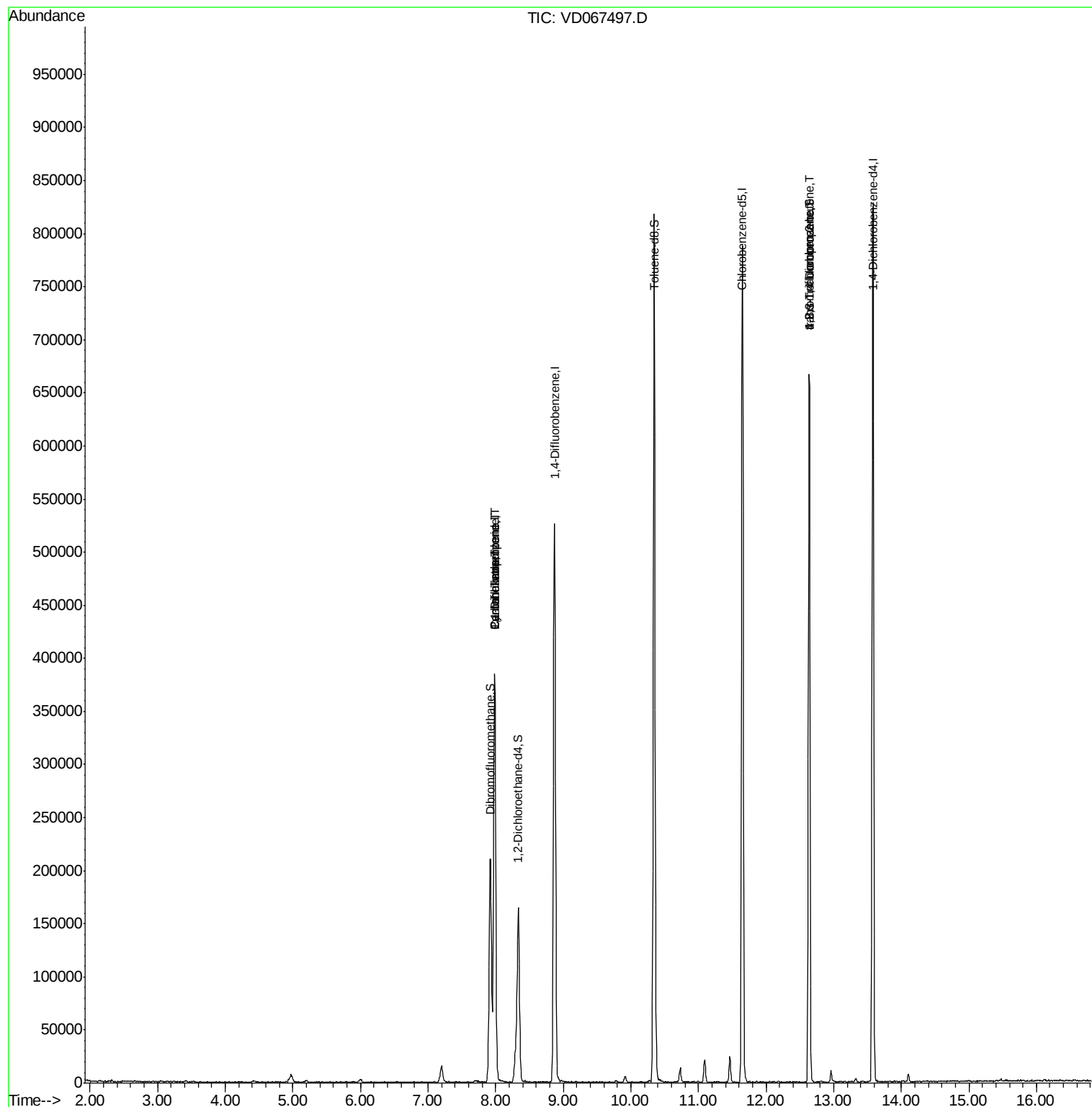
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	148	Below Cal	#	44
5) Bromomethane	2.79	94	55	Below Cal	#	3
11) Tert butyl alcohol	5.20	59	799	Below Cal	#	81
20) Methylene Chloride	4.97	84	6234	Below Cal	#	87
31) Cyclohexane	7.99	56	5149	1.537	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	20300	4.997	ug/l #	47
38) Carbon Tetrachloride	7.98	117	30433	5.861	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	107471	65.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107471	147.666	ug/l #	10

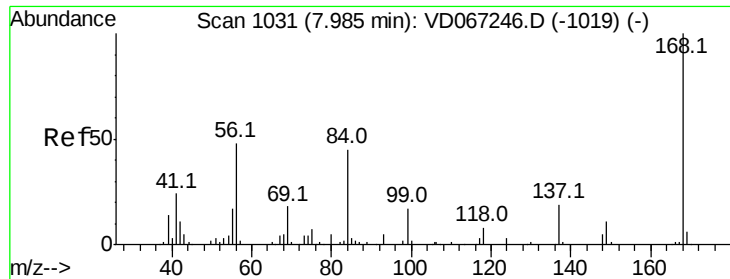
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067497.D

Acq: 02 Nov 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

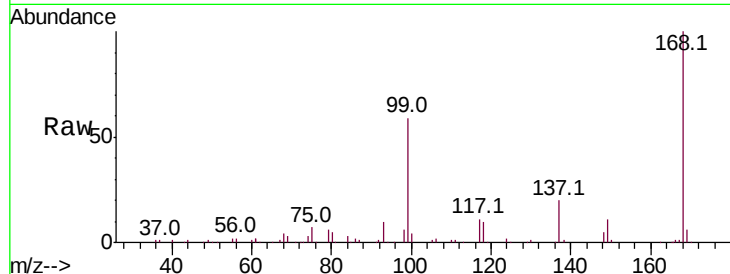
TP-1916-GC-GRAB-B

Tot Ion:168 Resp: 290404

Ion Ratio Lower Upper

168 100

99 58.7 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

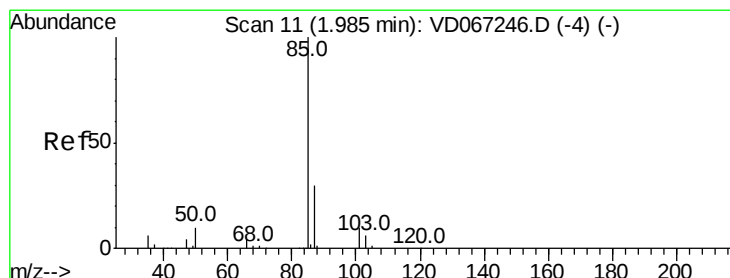
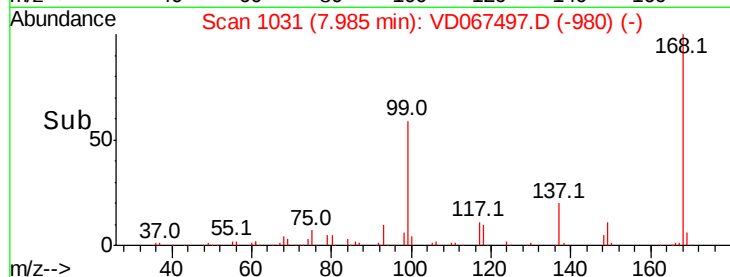
100000

50000

0

Time-->

7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067497.D

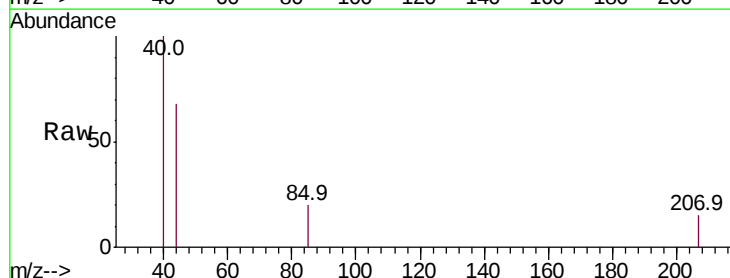
Acq: 02 Nov 2020 17:47

Tgt Ion: 85 Resp: 148

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

250

200

150

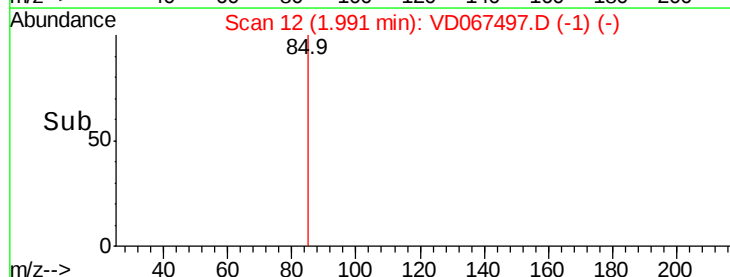
100

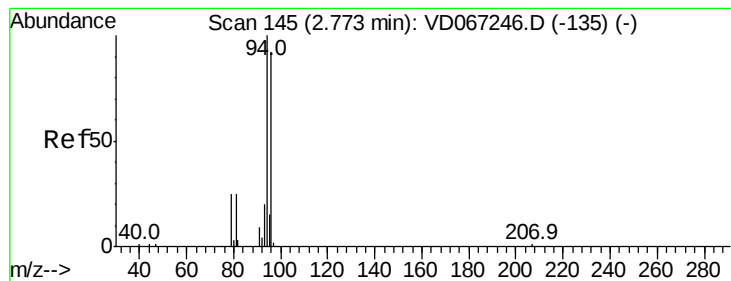
50

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: VD067497.D

Acq: 02 Nov 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

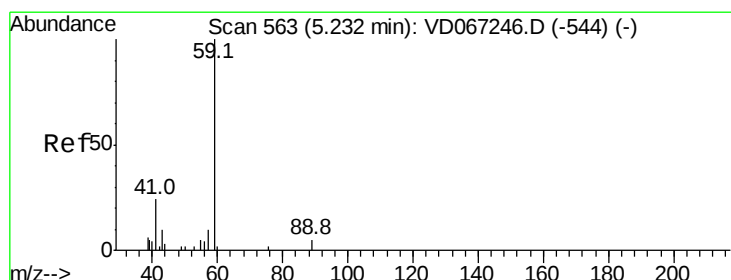
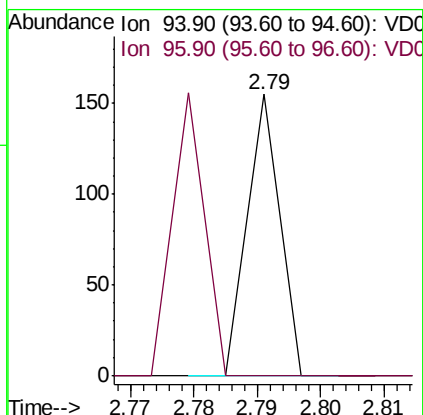
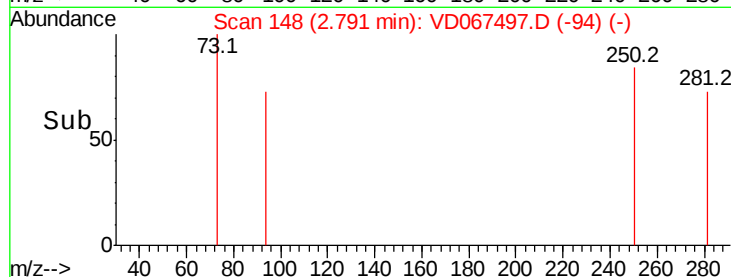
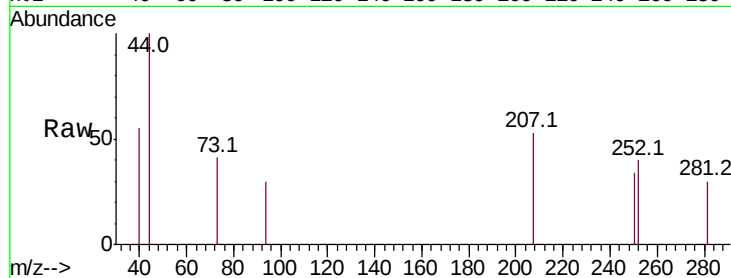
TP-1916-GC-GRAB-B

Tot Ion: 94 Resp: 55

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD067497.D

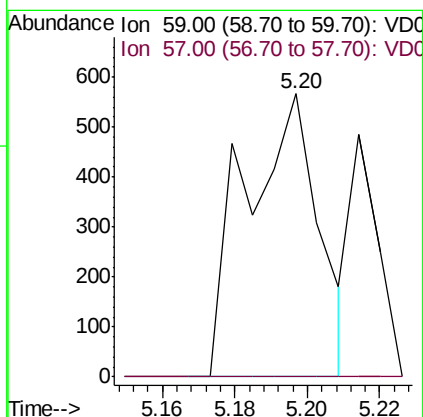
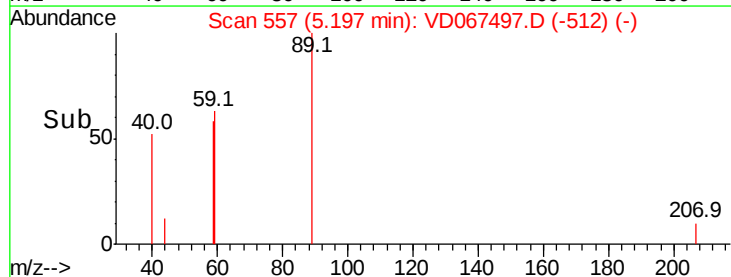
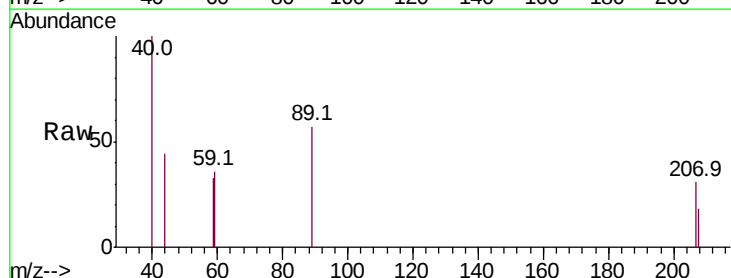
Acq: 02 Nov 2020 17:47

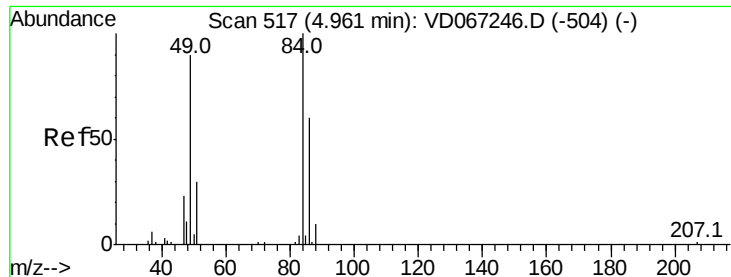
Tgt Ion: 59 Resp: 799

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#

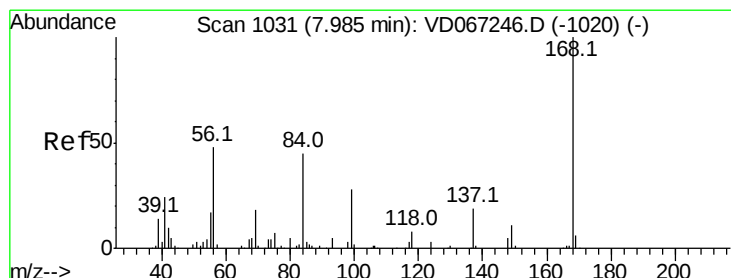
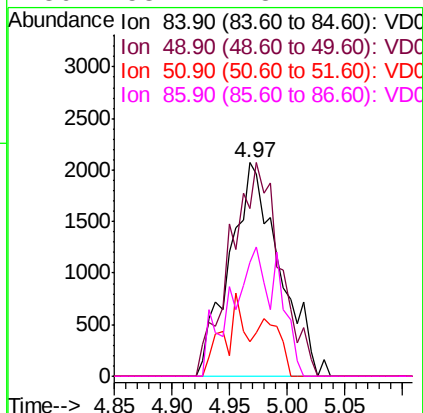
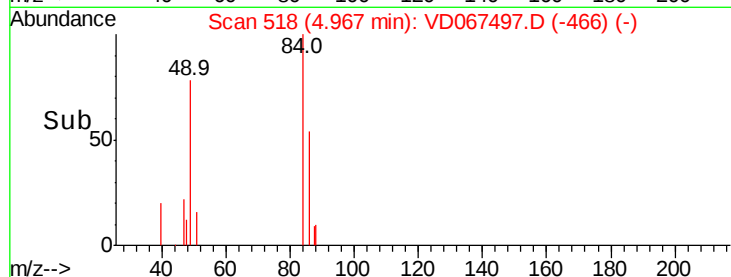
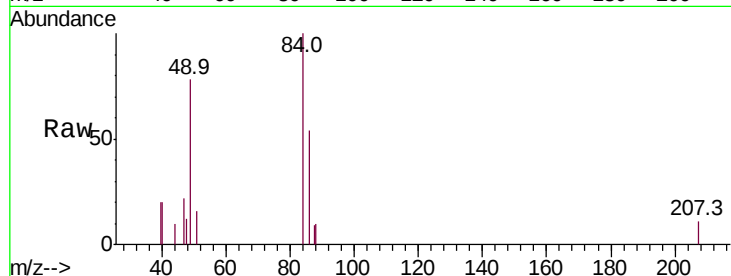




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067497.D
Acq: 02 Nov 2020 17:47

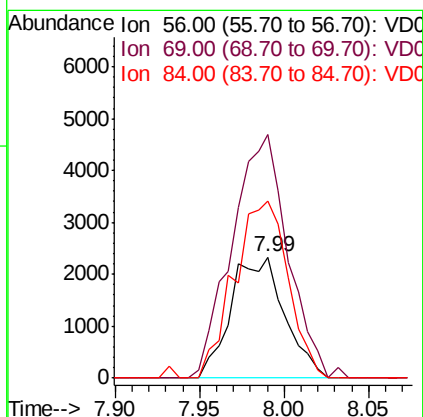
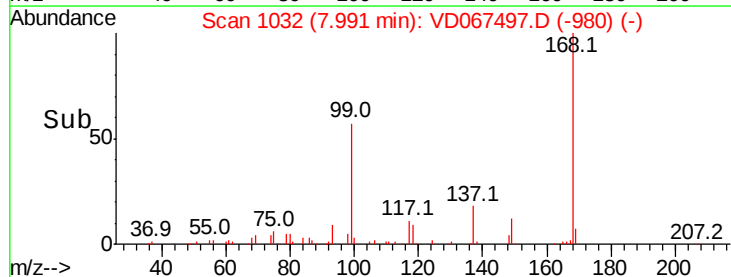
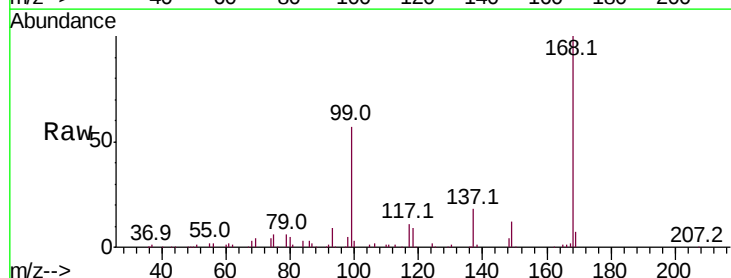
Instrument :
MSVOA_D
ClientSampleId :
TP-1916-GC-GRAB-B

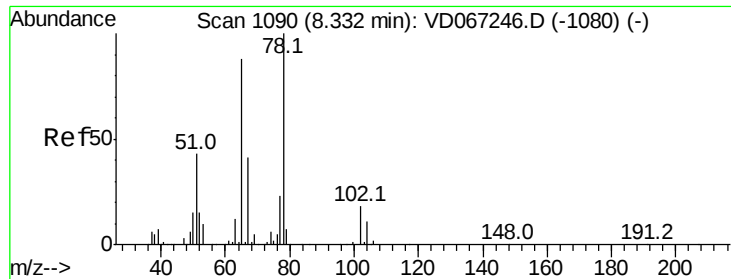
Tot Ion: 84 Resp: 6234
Ion Ratio Lower Upper
84 100
49 78.4 72.2 108.2
51 16.4 23.8 35.8#
86 53.7 48.2 72.4



#31
Cyclohexane
Concen: 1.537 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067497.D
Acq: 02 Nov 2020 17:47

Tgt Ion: 56 Resp: 5149
Ion Ratio Lower Upper
56 100
69 200.9 29.8 44.6#
84 146.4 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 49.191 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067497.D

Acq: 02 Nov 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

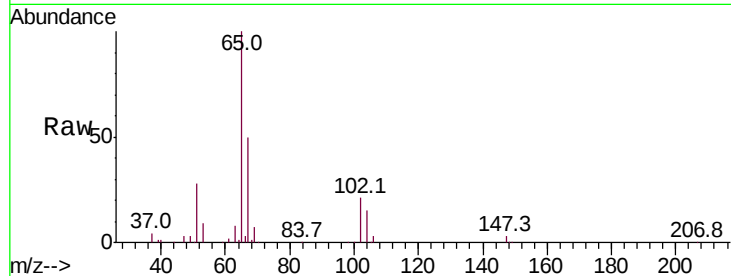
TP-1916-GC-GRAB-B

Tot Ion: 65 Resp: 143116

Ion Ratio Lower Upper

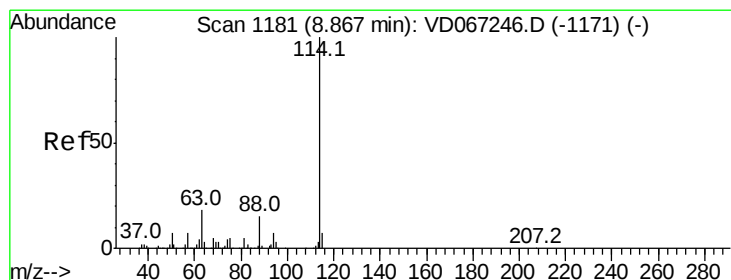
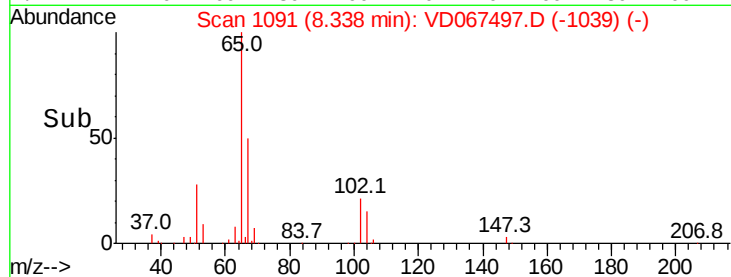
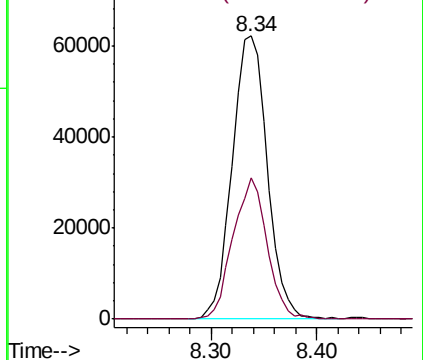
65 100

67 48.3 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: VD067497.D

Acq: 02 Nov 2020 17:47

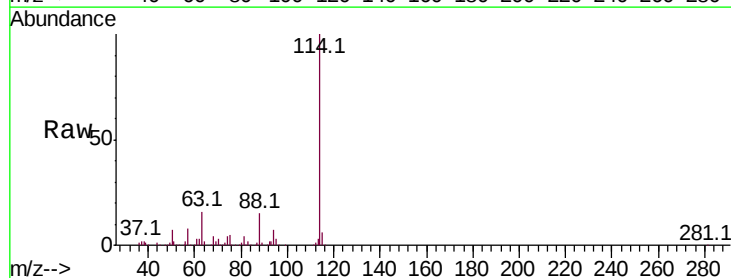
Tgt Ion: 114 Resp: 479344

Ion Ratio Lower Upper

114 100

63 15.8 0.0 35.0

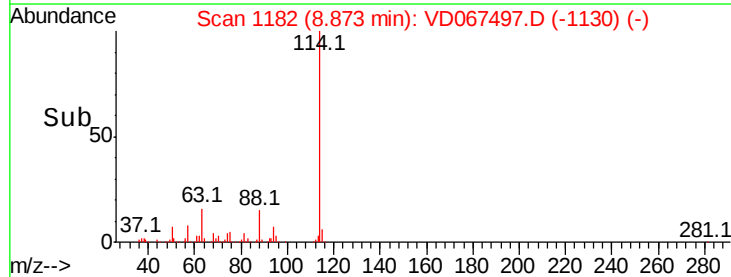
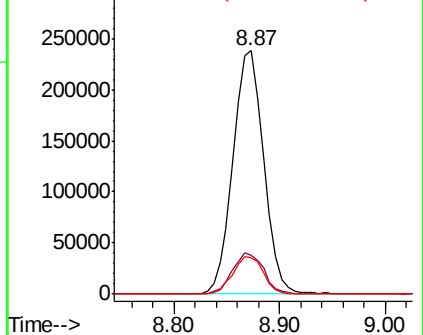
88 15.1 0.0 30.6

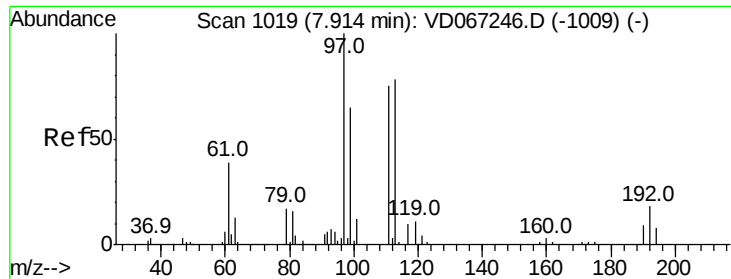


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

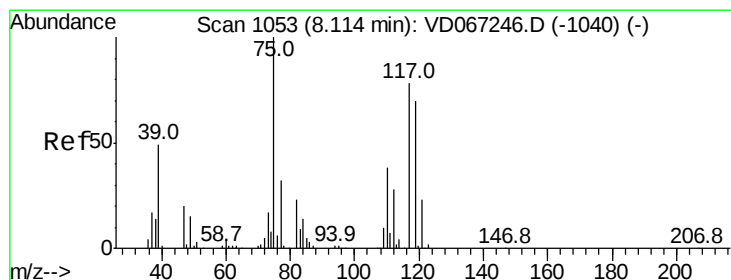
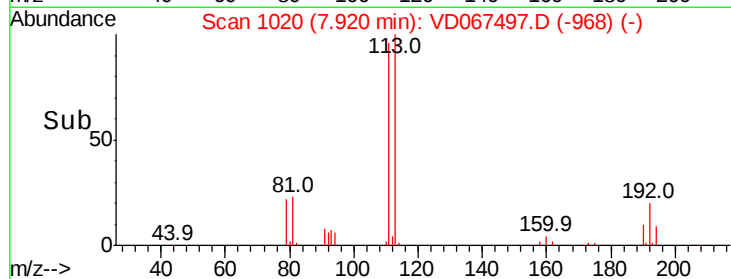
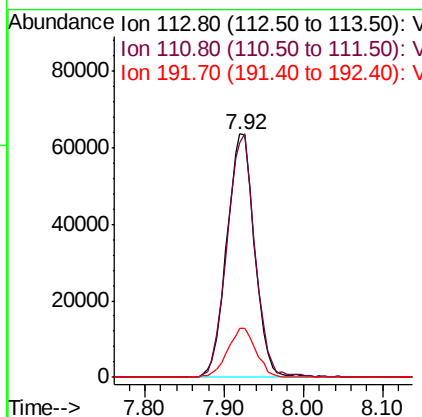
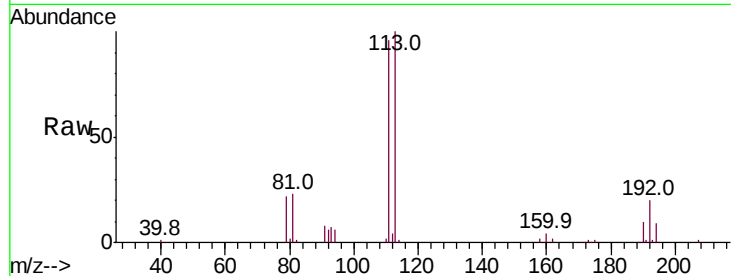




#35
 Dibromofluoromethane
 Concen: 48.273 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067497.D
 Acq: 02 Nov 2020 17:47

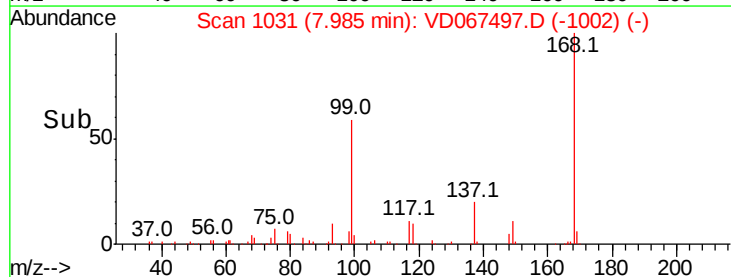
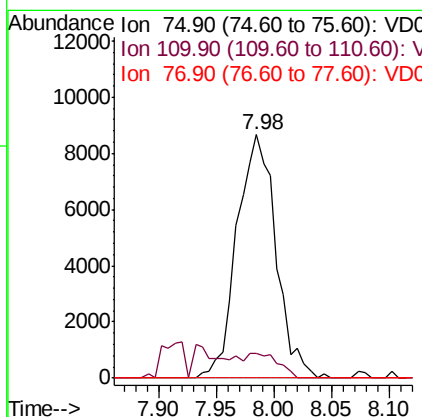
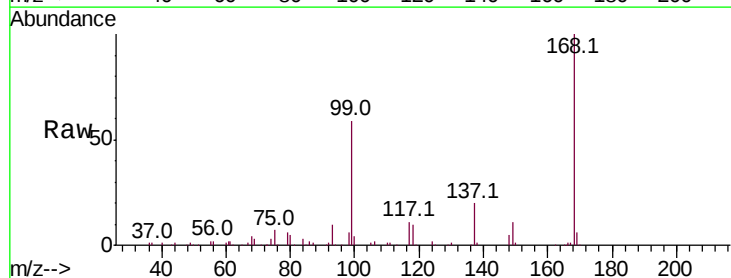
Instrument :
 MSVOA_D
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 TP-1916-GC-GRAB-B

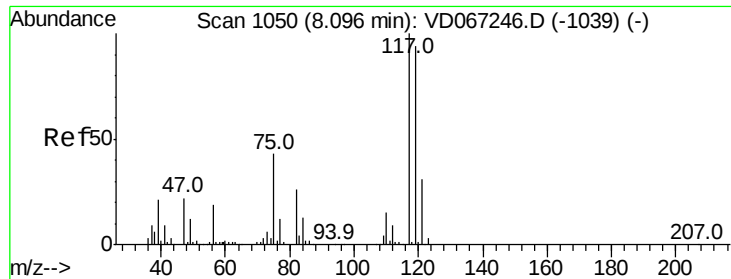
Tot Ion:113 Resp: 153993
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.6 122.4
 192 20.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.997 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067497.D
 Acq: 02 Nov 2020 17:47

Tgt Ion: 75 Resp: 20300
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.861 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067497.D

Acq: 02 Nov 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-B

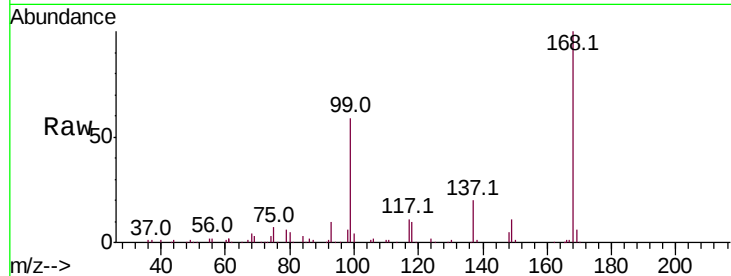
Tot Ion:117 Resp: 30433

Ion Ratio Lower Upper

117 100

119 4.2 75.0 112.4#

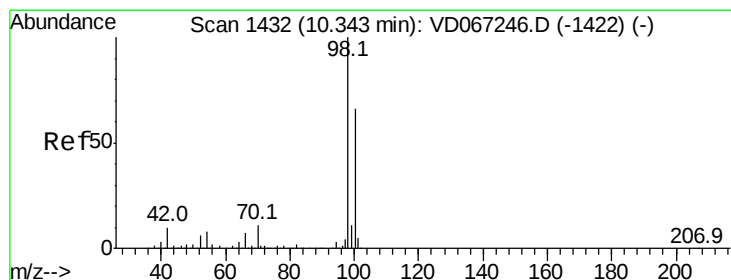
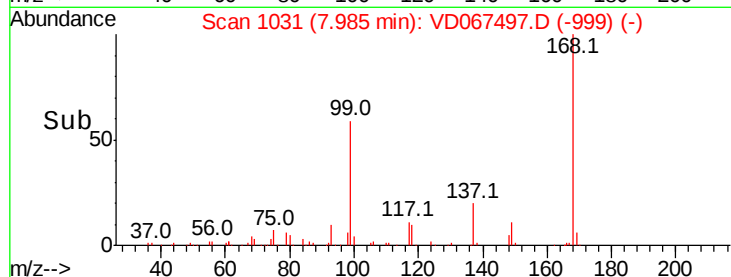
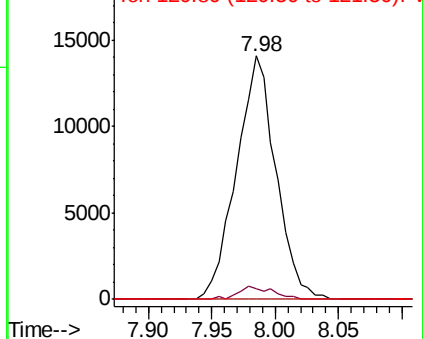
121 0.0 24.9 37.3#



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: 49.621 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067497.D

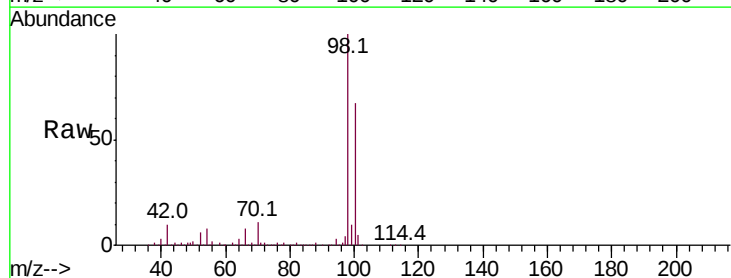
Acq: 02 Nov 2020 17:47

Tgt Ion: 98 Resp: 572851

Ion Ratio Lower Upper

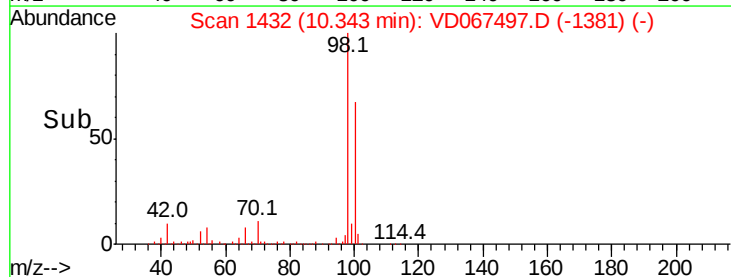
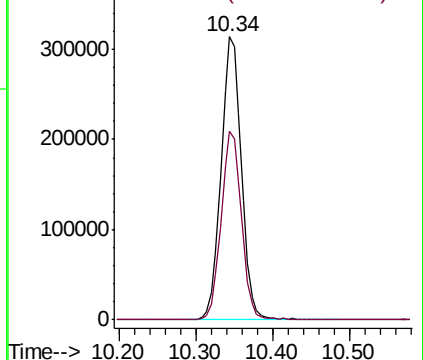
98 100

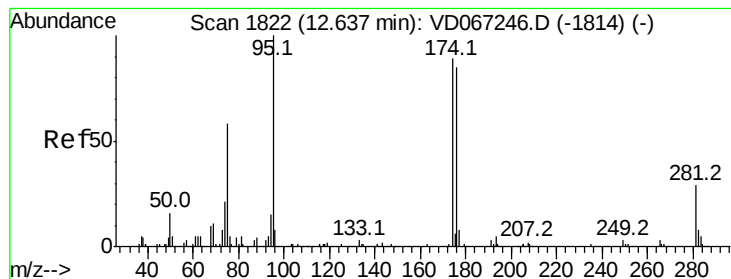
100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.183 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067497.D

Acq: 02 Nov 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-B

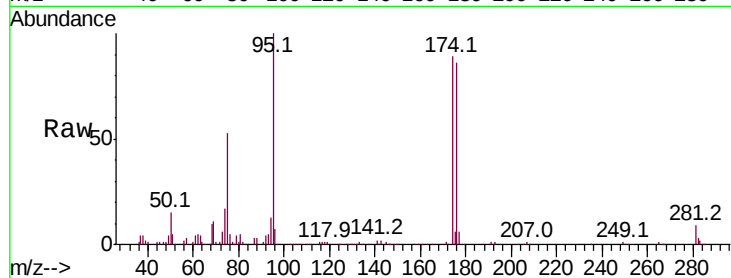
Tot Ion: 95 Resp: 205462

Ion Ratio Lower Upper

95 100

174 90.9 0.0 175.2

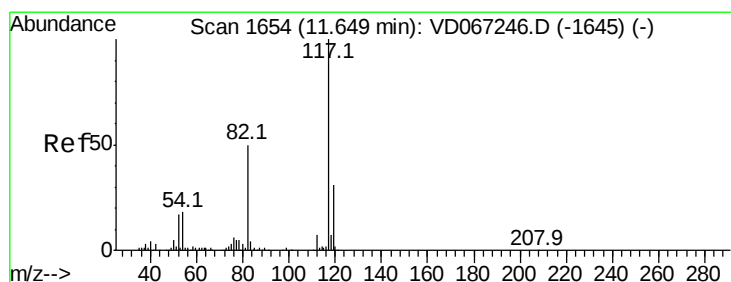
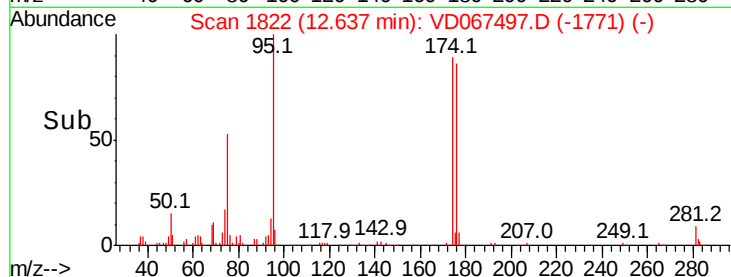
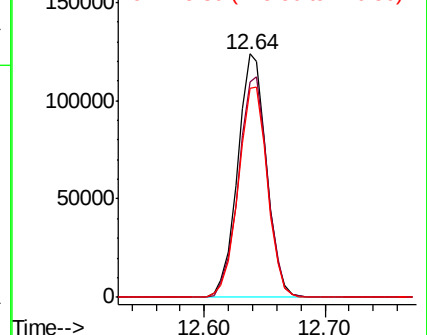
176 87.1 0.0 168.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067497.D

Acq: 02 Nov 2020 17:47

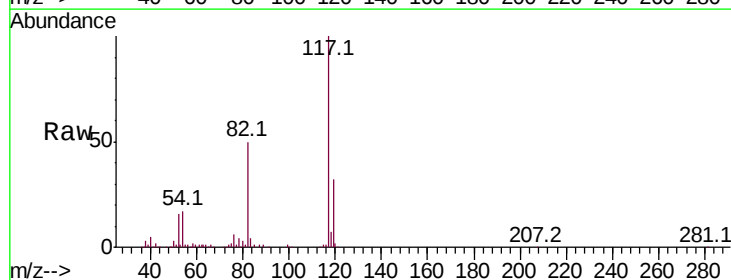
Tgt Ion: 117 Resp: 486743

Ion Ratio Lower Upper

117 100

82 50.3 39.9 59.9

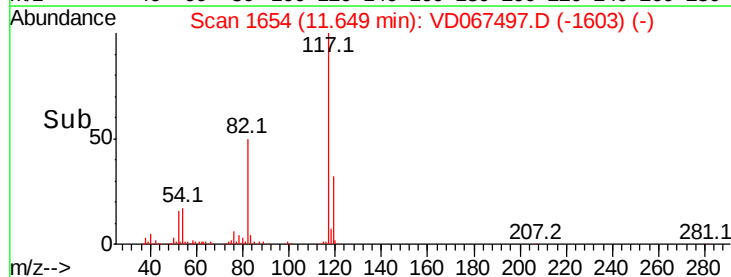
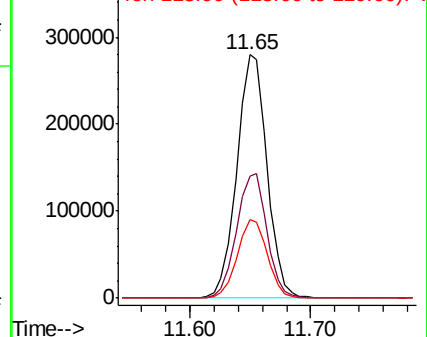
119 32.1 24.9 37.3

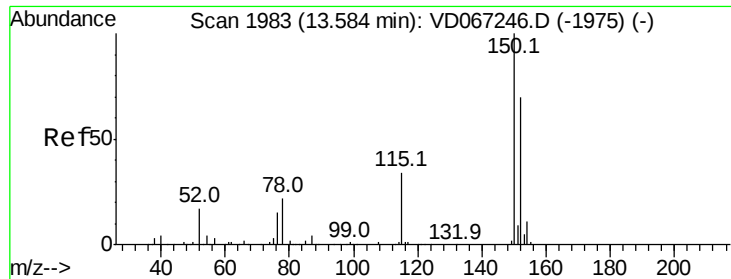


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



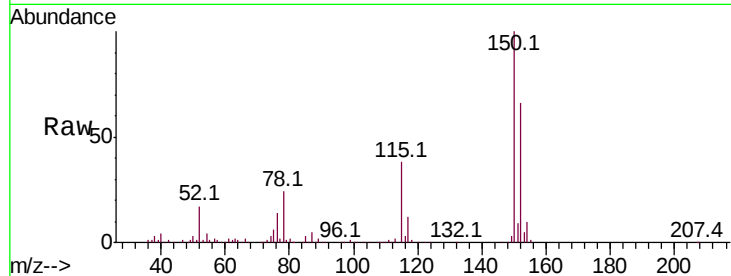


#72

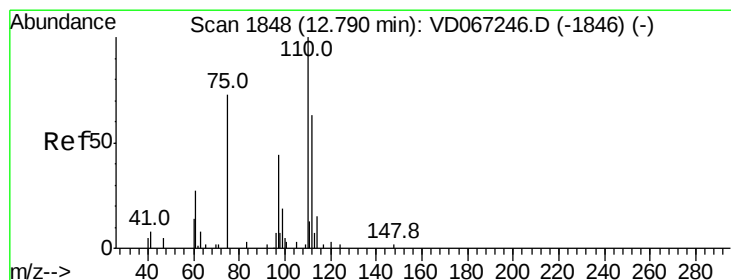
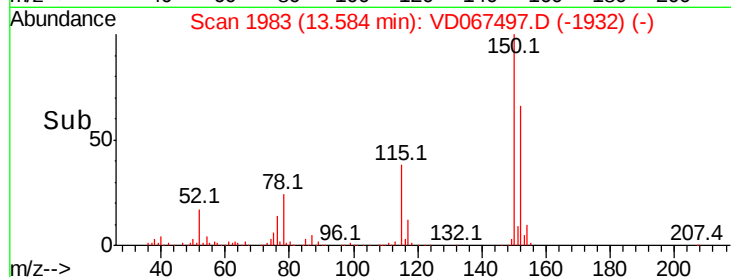
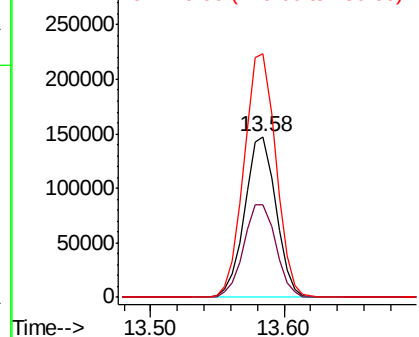
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067497.D
Acq: 02 Nov 2020 17:47

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

Tot Ion:152 Resp: 238125
Ion Ratio Lower Upper
152 100
115 59.7 29.3 87.9
150 154.9 0.0 339.0



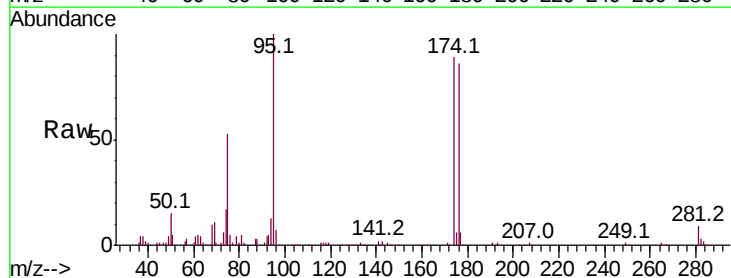
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



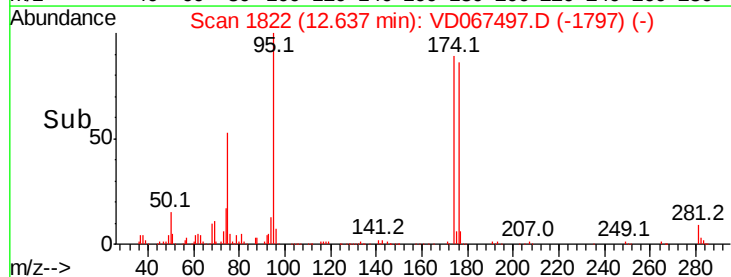
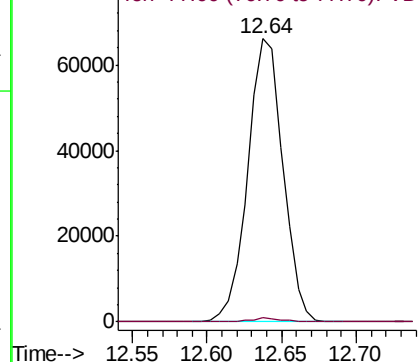
#76

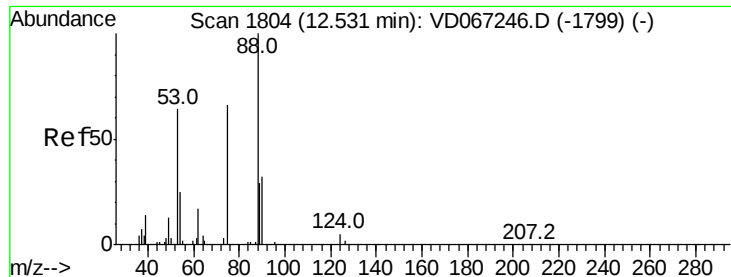
1,2,3-Trichloropropane
Concen: 65.117 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067497.D
Acq: 02 Nov 2020 17:47

Tgt Ion: 75 Resp: 107471
Ion Ratio Lower Upper
75 100
77 1.3 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: 147.666 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067497.D

Acq: 02 Nov 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-B

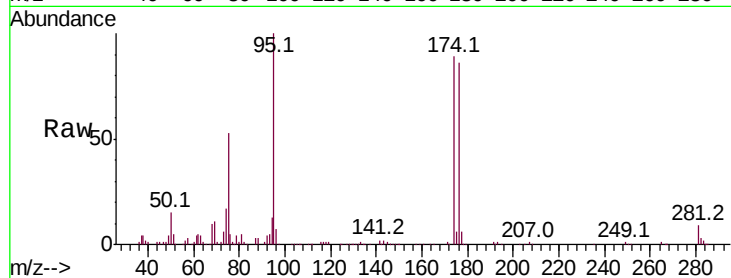
Tot Ion: 75 Resp: 107471

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 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

