

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067728.D
 Acq On : 20 Nov 2020 16:48
 Operator : VA/SY
 Sample : L4845-03
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:40:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

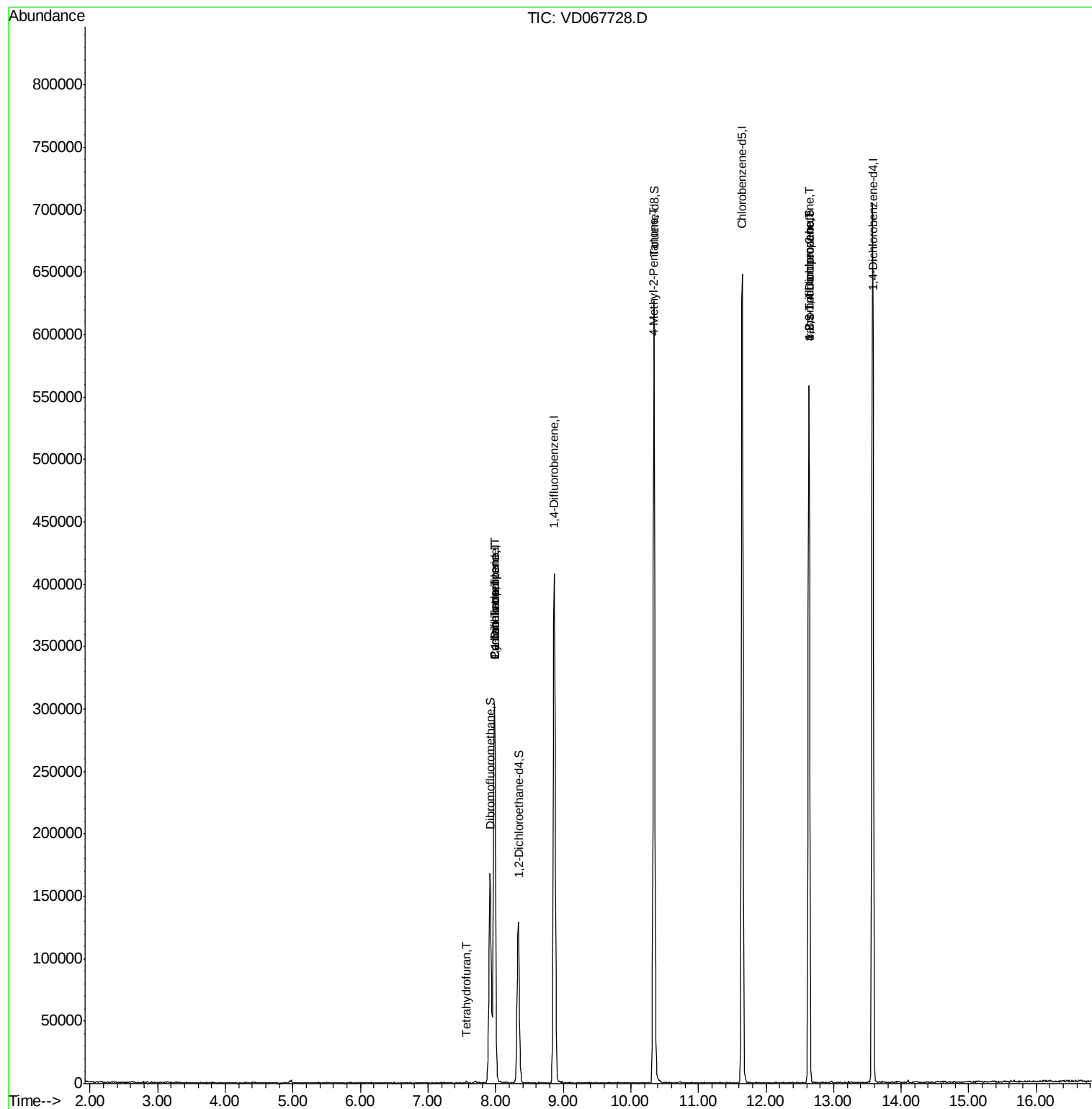
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	237515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	369665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	398107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	201596	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	116123	55.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.82%	
35) Dibromofluoromethane	7.92	113	114088	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
50) Toluene-d8	10.34	98	433253	55.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.70%	
62) 4-Bromofluorobenzene	12.64	95	174432	64.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	129.10%	
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.57	42	509	2.559	ug/l #	83
31) Cyclohexane	7.98	56	4359	1.447	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	15936	5.036	ug/l #	50
38) Carbon Tetrachloride	7.98	117	23543	5.726	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	1855	2.387	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	91870	75.542	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91870	153.371	ug/l #	10

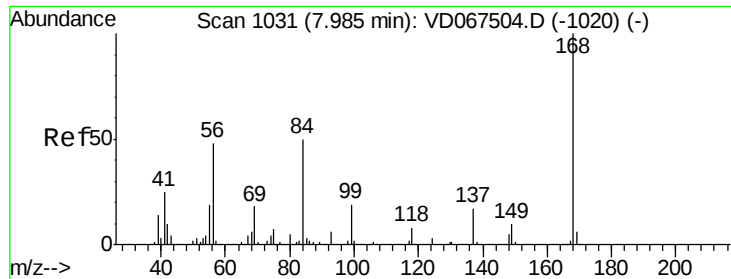
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112020\
Data File : VD067728.D
Acq On : 20 Nov 2020 16:48
Operator : VA/SY
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Misc : 5.07G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 21 00:40:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067728.D

Acq: 20 Nov 2020 16:48

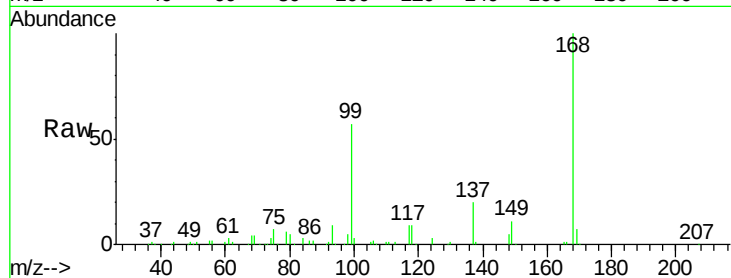
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 237515

Ion Ratio Lower Upper

168 100

99 57.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

100000

80000

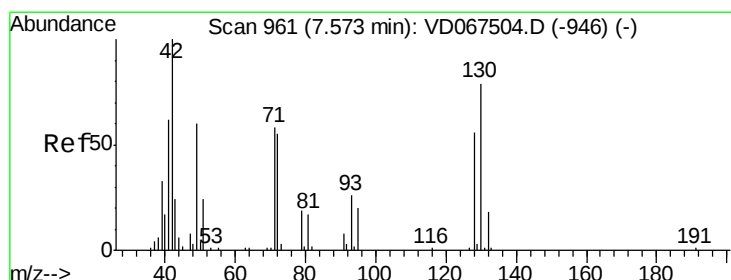
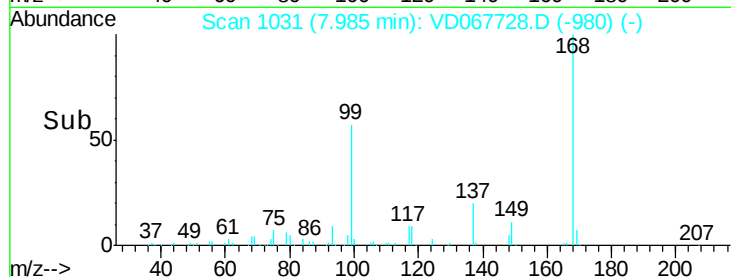
60000

40000

20000

0

Time-->



#29

Tetrahydrofuran

Concen: 2.559 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD067728.D

Acq: 20 Nov 2020 16:48

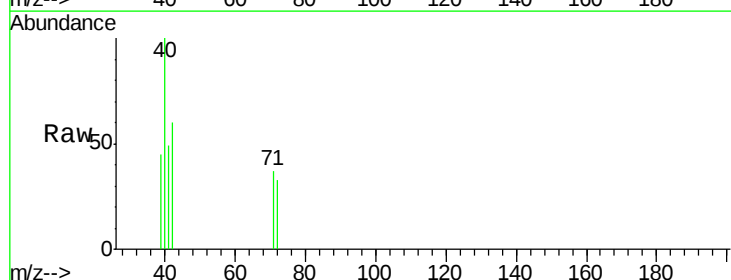
Tgt Ion: 42 Resp: 509

Ion Ratio Lower Upper

42 100

72 49.1 46.3 69.5

71 39.3 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

7.57

400

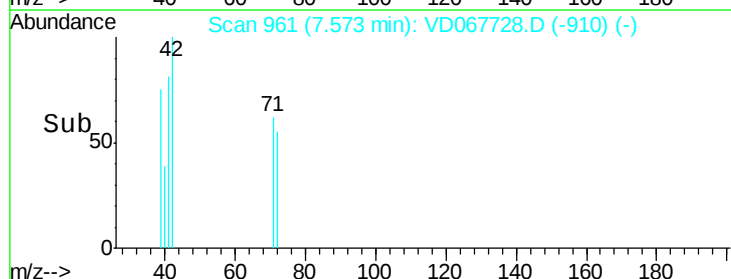
300

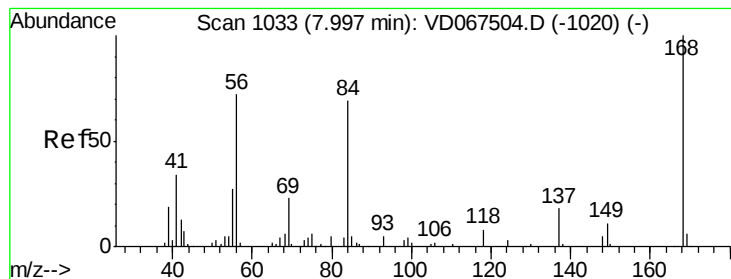
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.447 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067728.D

Acq: 20 Nov 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

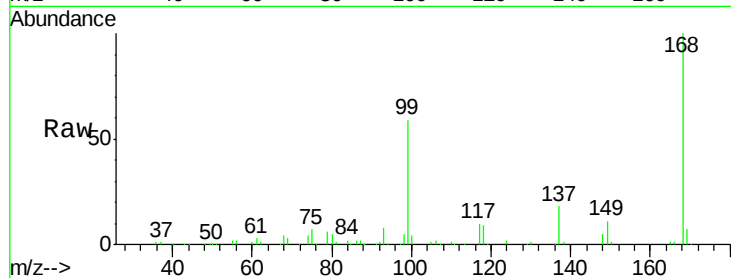
Tot Ion: 56 Resp: 4359

Ion Ratio Lower Upper

56 100

69 146.5 25.9 38.9#

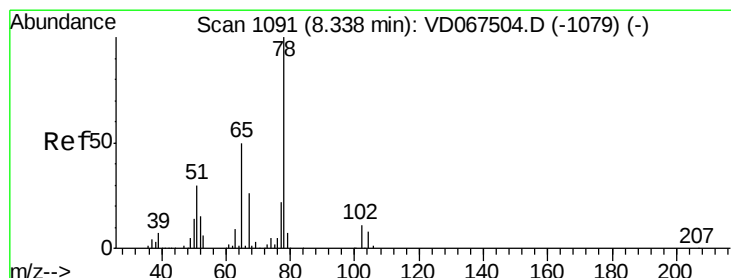
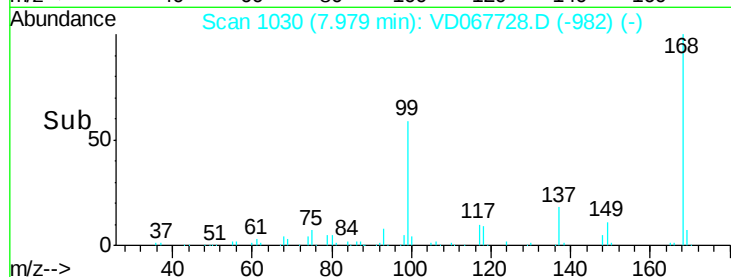
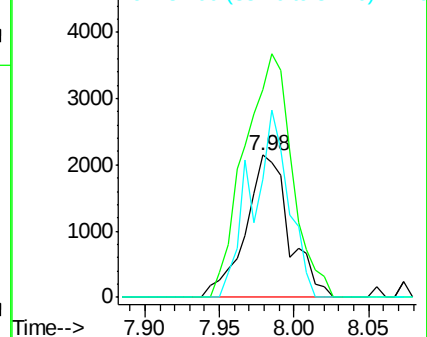
84 83.6 76.2 114.4



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: 55.914 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067728.D

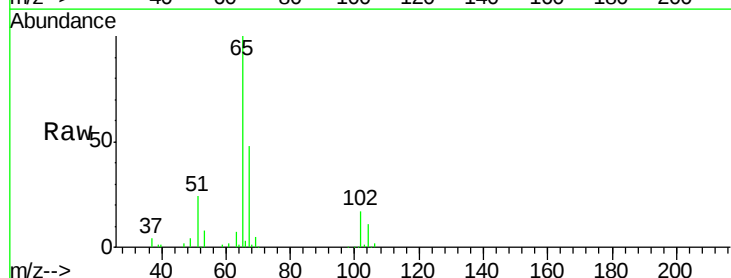
Acq: 20 Nov 2020 16:48

Tgt Ion: 65 Resp: 116123

Ion Ratio Lower Upper

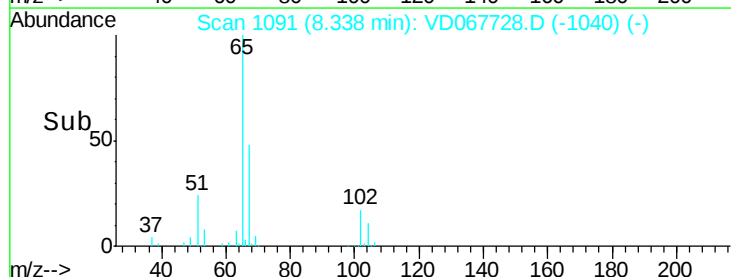
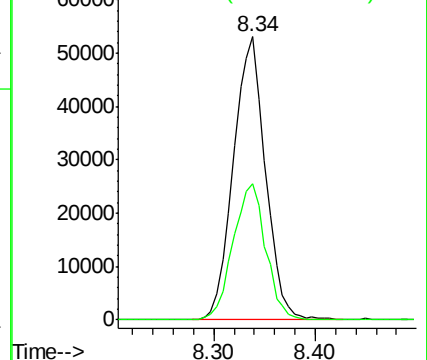
65 100

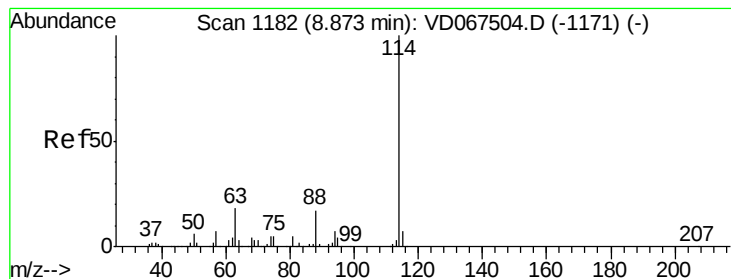
67 48.9 0.0 99.4



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: VD067728.D

Acq: 20 Nov 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

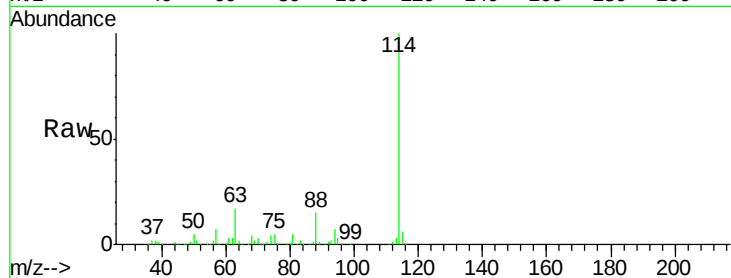
Tot Ion:114 Resp: 369665

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

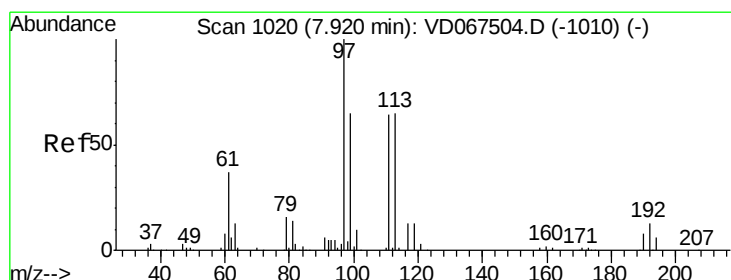
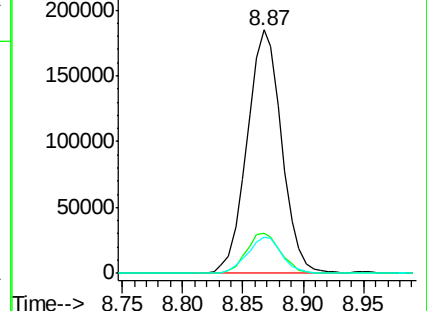
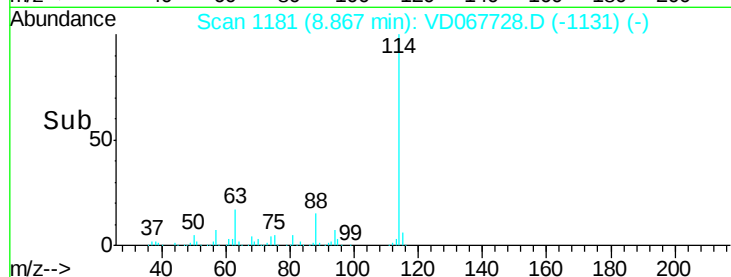
88 14.9 0.0 33.0



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: 51.224 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067728.D

Acq: 20 Nov 2020 16:48

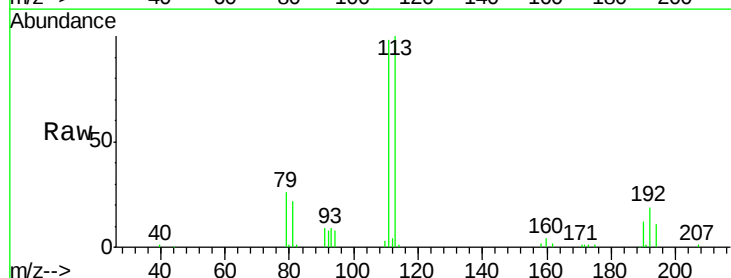
Tgt Ion:113 Resp: 114088

Ion Ratio Lower Upper

113 100

111 102.8 80.0 120.0

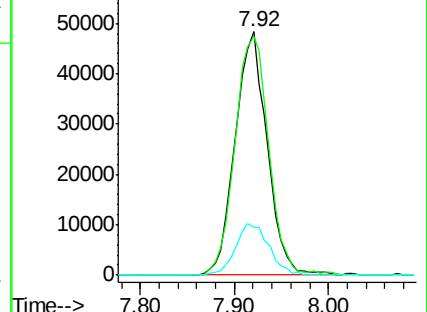
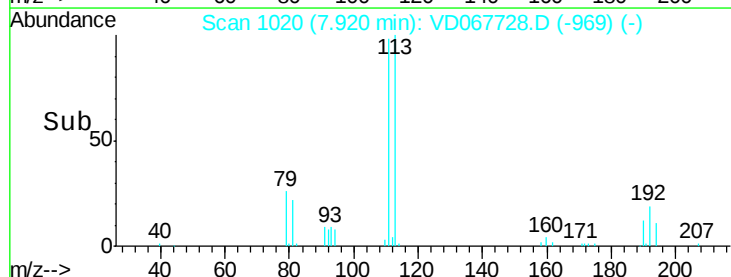
192 22.0 16.3 24.5

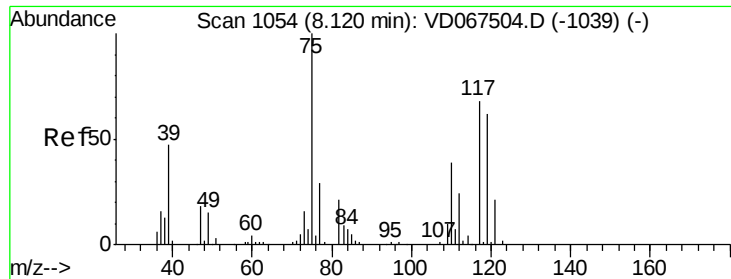


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

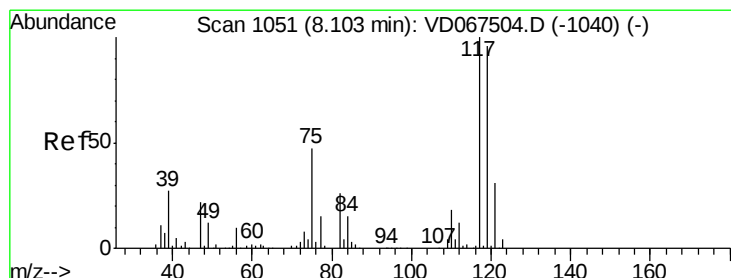
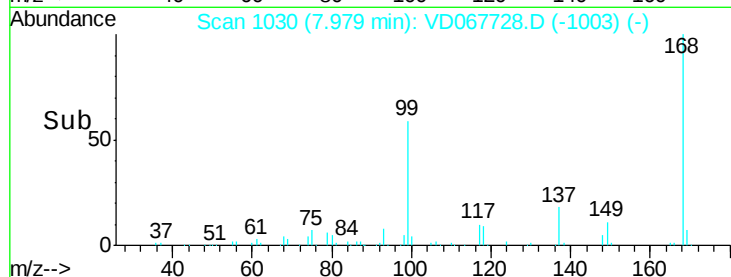
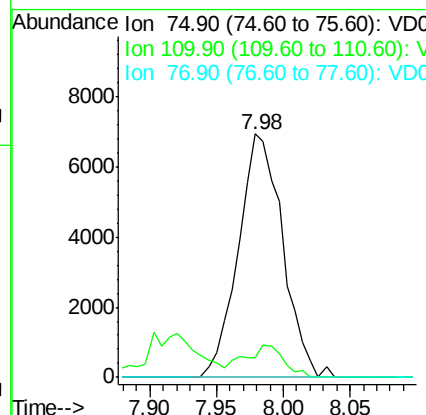
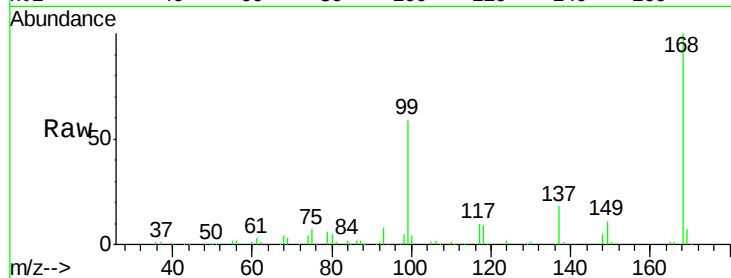




#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067728.D
 Acq: 20 Nov 2020 16:48

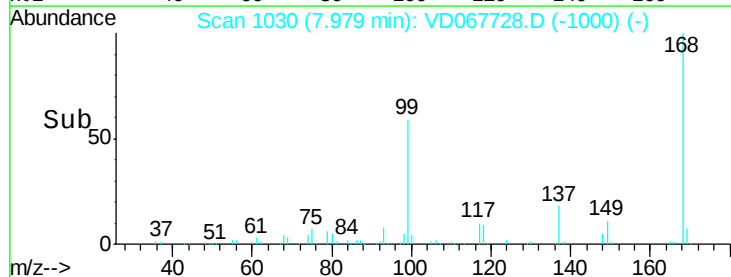
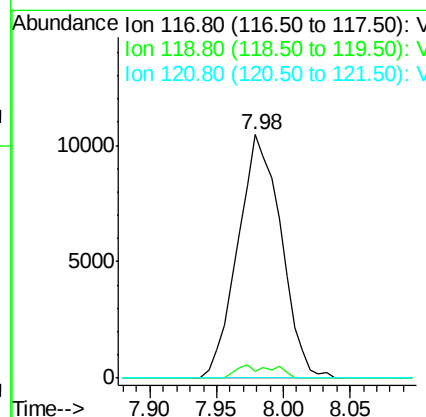
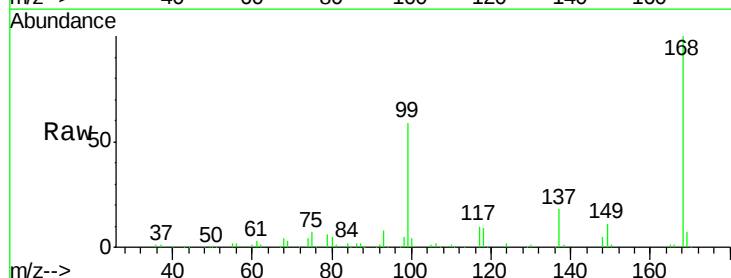
Instrument :
 MSVOA_D
 ClientSampleId :

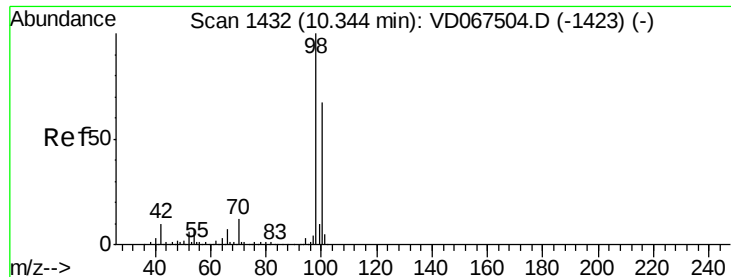
Tot Ion: 75 Resp: 15936
 Ion Ratio Lower Upper
 75 100
 110 11.8 19.9 59.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.726 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067728.D
 Acq: 20 Nov 2020 16:48

Tgt Ion: 117 Resp: 23543
 Ion Ratio Lower Upper
 117 100
 119 3.0 76.9 115.3#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 55.354 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067728.D

Acq: 20 Nov 2020 16:48

Instrument :

MSVOA_D

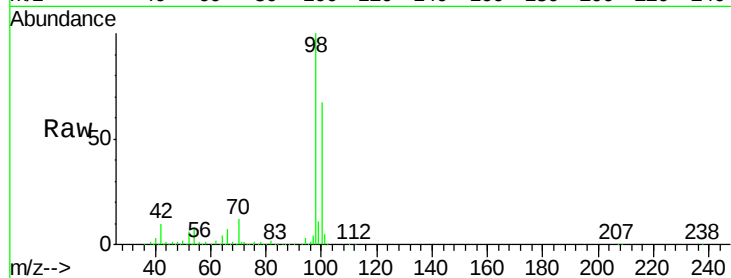
ClientSampleId :

Tot Ion: 98 Resp: 433253

Ion Ratio Lower Upper

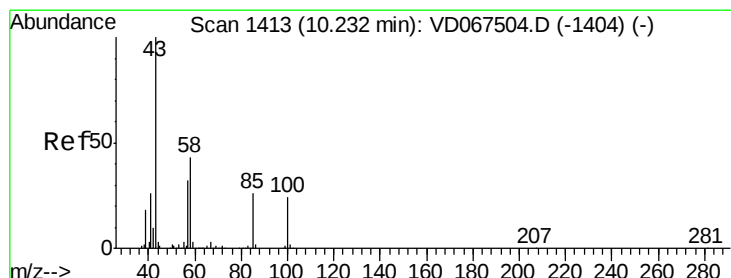
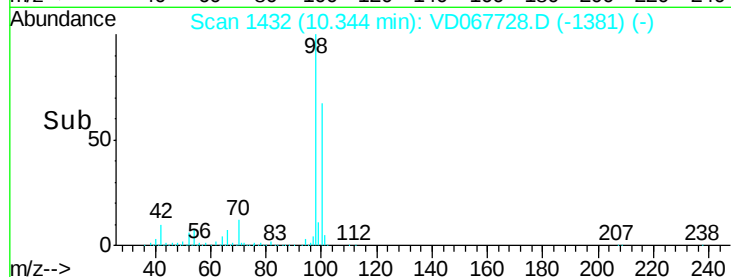
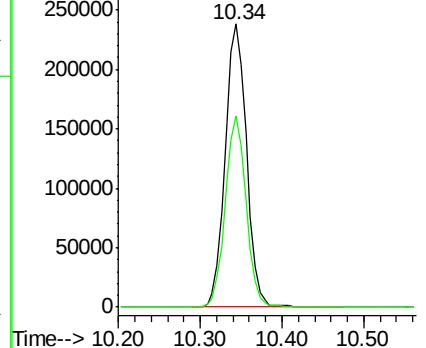
98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 2.387 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.10 min

Lab File: VD067728.D

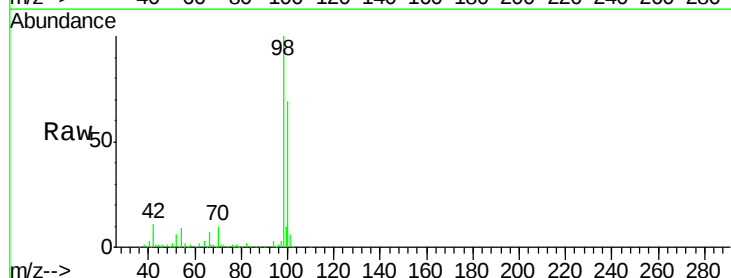
Acq: 20 Nov 2020 16:48

Tgt Ion: 43 Resp: 1855

Ion Ratio Lower Upper

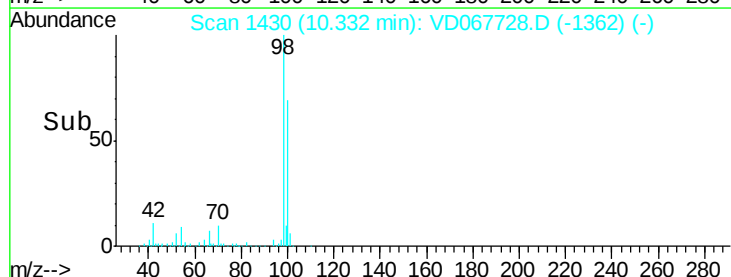
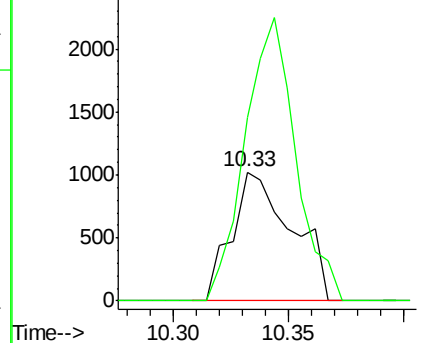
43 100

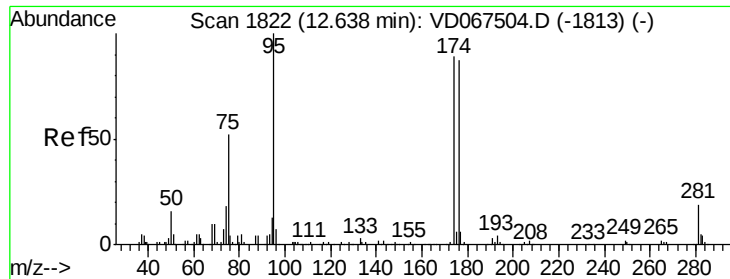
58 185.6 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

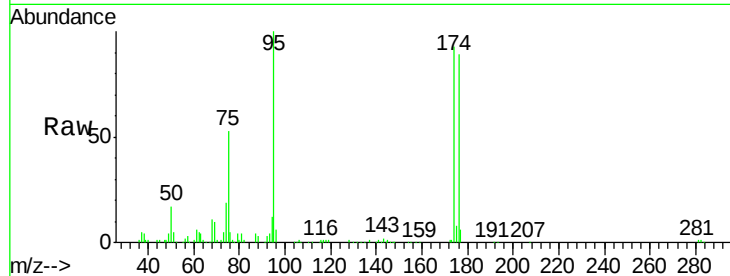




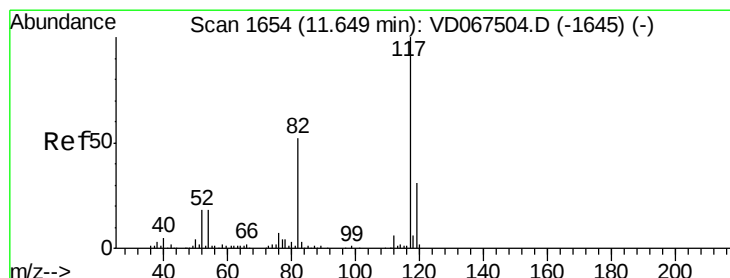
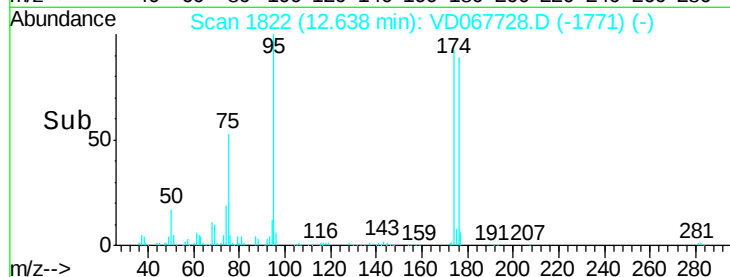
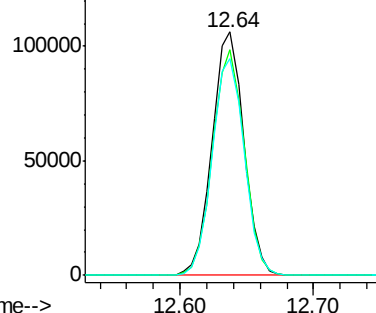
#62
4-Bromofluorobenzene
Concen: 64.551 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067728.D
Acq: 20 Nov 2020 16:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 174432
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.8
176 89.7 0.0 172.0

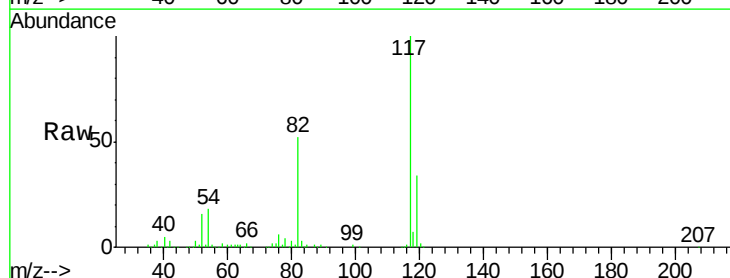


Abundance Ion 94.90 (94.60 to 95.60): VD
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

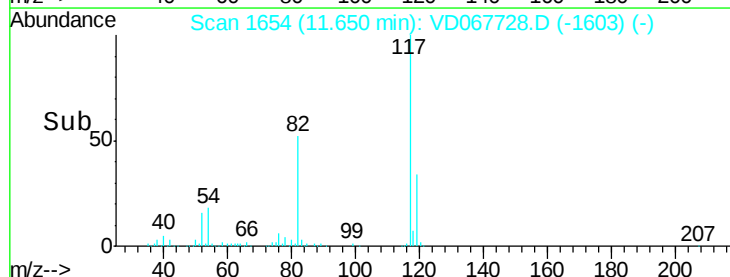
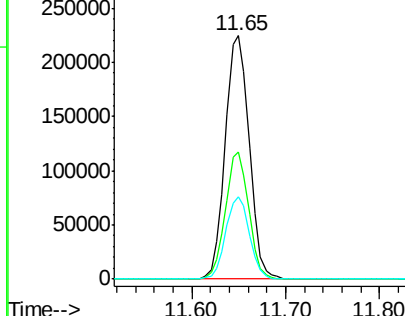


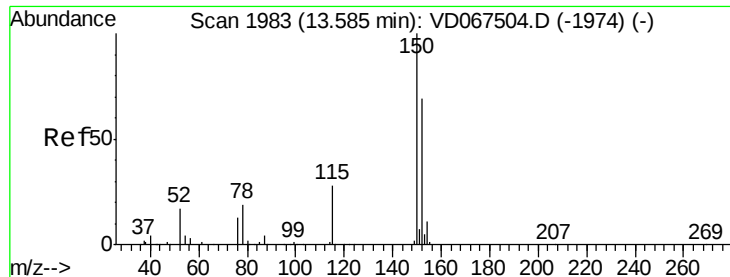
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067728.D
Acq: 20 Nov 2020 16:48

Tgt Ion: 117 Resp: 398107
Ion Ratio Lower Upper
117 100
82 52.1 41.6 62.4
119 33.7 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
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: VD067728.D

Acq: 20 Nov 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

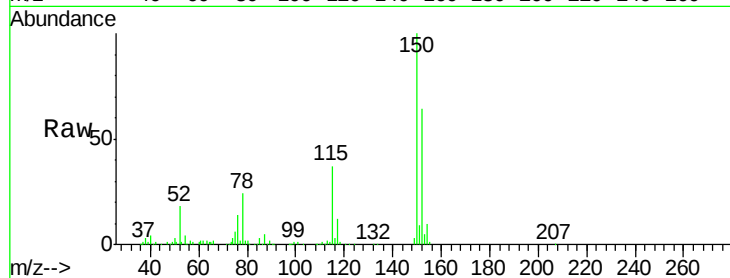
Tot Ion:152 Resp: 201596

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

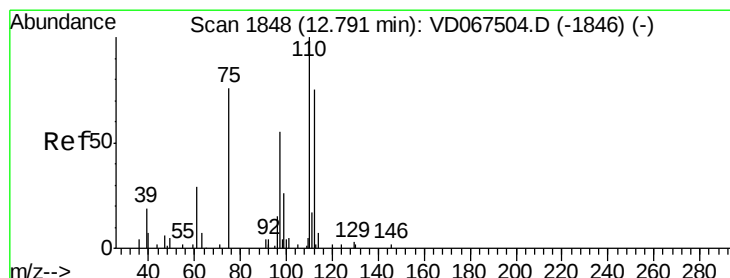
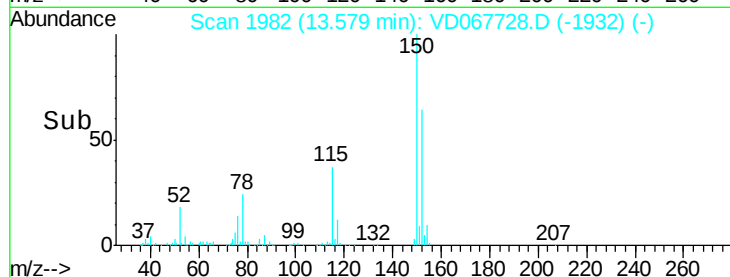
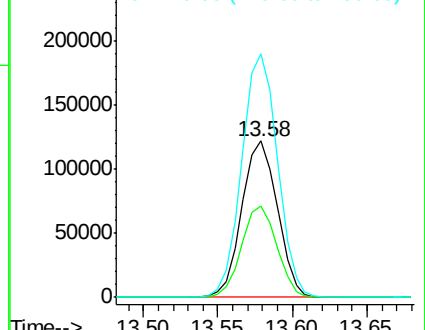
150 156.3 0.0 338.2



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: 75.542 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067728.D

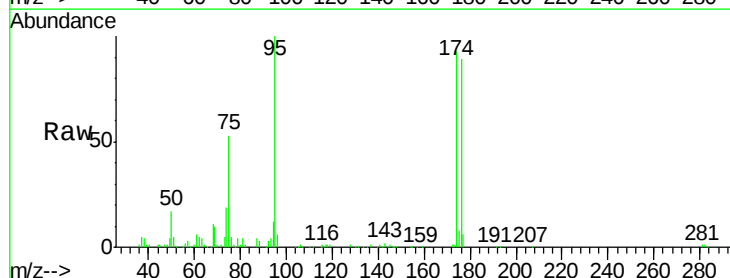
Acq: 20 Nov 2020 16:48

Tgt Ion: 75 Resp: 91870

Ion Ratio Lower Upper

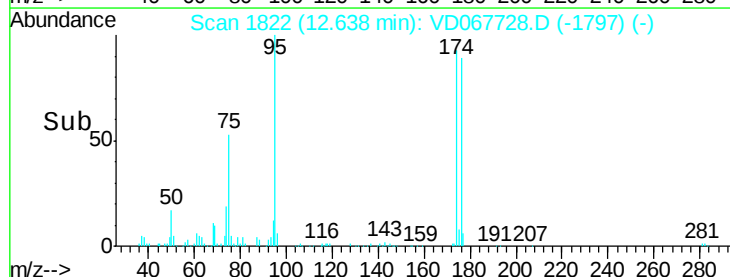
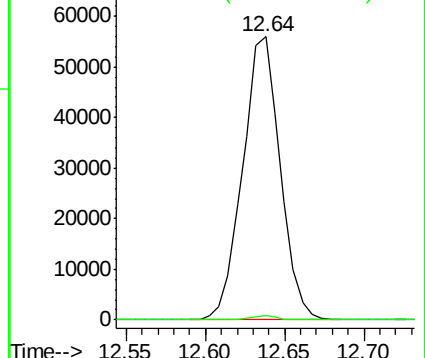
75 100

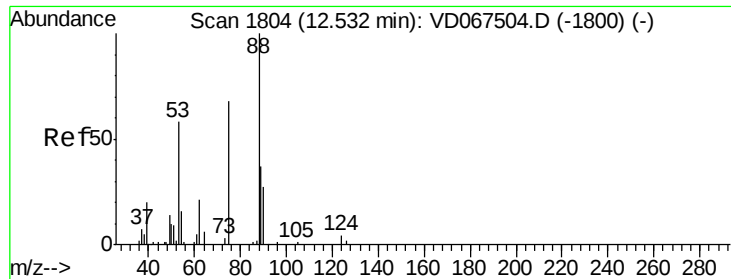
77 1.0 0.0 0.0#



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: 153.371 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067728.D

Acq: 20 Nov 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

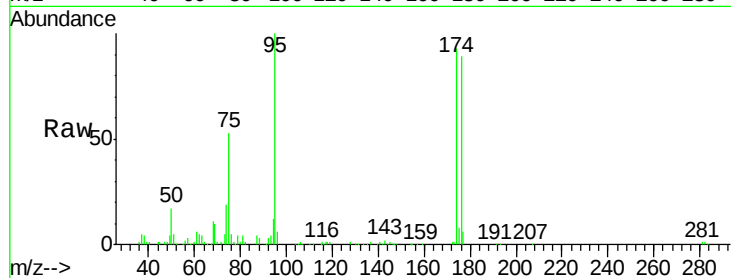
Tot Ion: 75 Resp: 91870

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#



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

