

Data File : VD067772.D
Acq On : 24 Nov 2020 17:10
Operator : VA/SY
Sample : L4858-01
Misc : 2.95G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PHC-340EM-012

Quant Time: Nov 25 02:05:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	189939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	243037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100187	54.25	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.50%
35) Dibromofluoromethane	7.92	113	93325	51.04	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.08%
50) Toluene-d8	10.34	98	302821	45.30	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.60%
62) 4-Bromofluorobenzene	12.64	95	87792	38.42	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.84%

Target Compounds

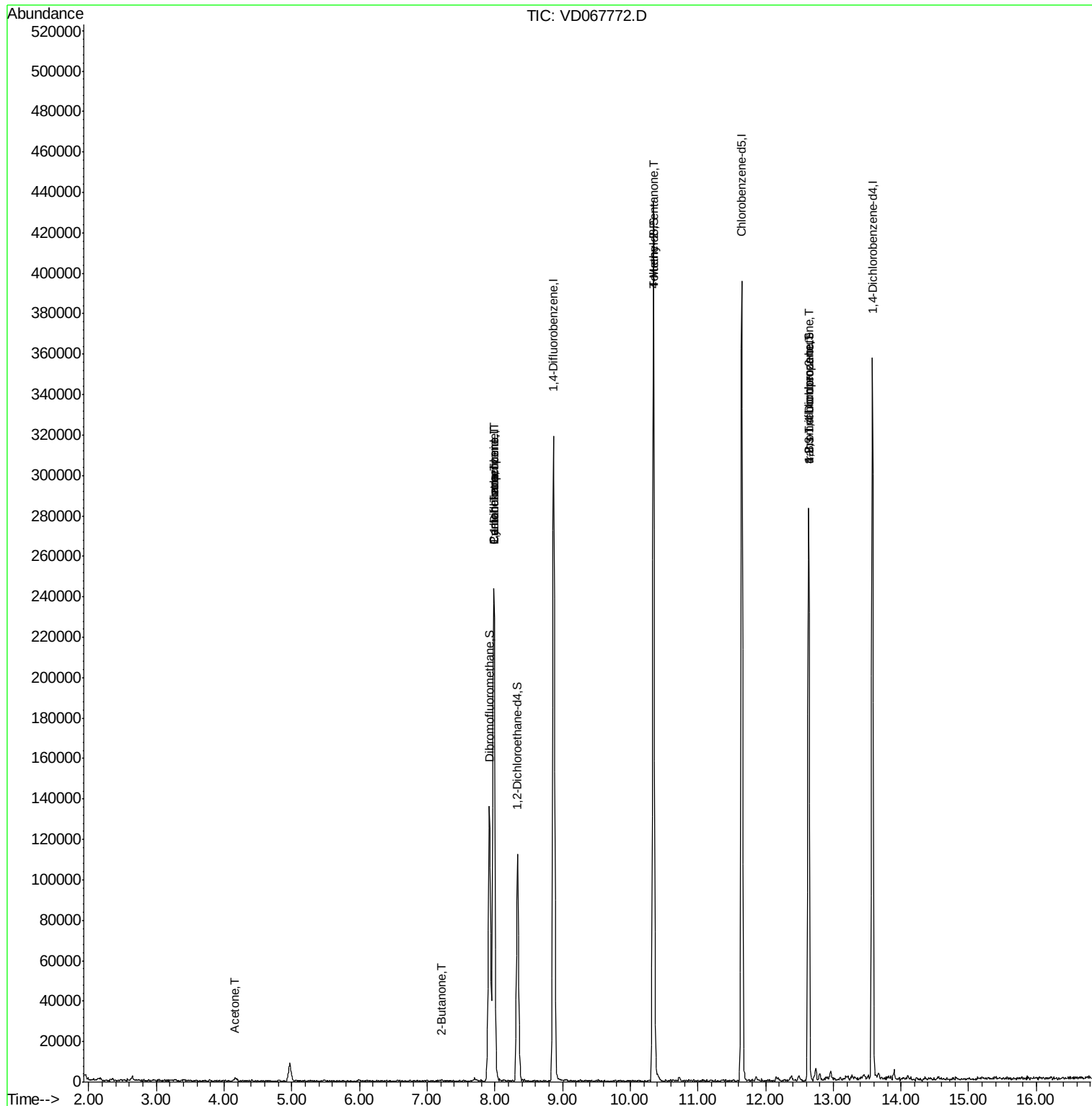
					Qvalue	
16) Acetone	4.16	43	3276	13.731	ug/l #	77
20) Methylene Chloride	4.97	84	7016	Below Cal	#	81
25) 2-Butanone	7.21	43	322	1.203	ug/l #	37
31) Cyclohexane	7.99	56	3642	1.630	ug/l #	29
36) 1,1-Dichloropropene	7.99	75	12660	5.135	ug/l #	47
38) Carbon Tetrachloride	7.99	117	18530	5.185	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	1341	2.153	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	47718	68.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	47718	160.667	ug/l #	11

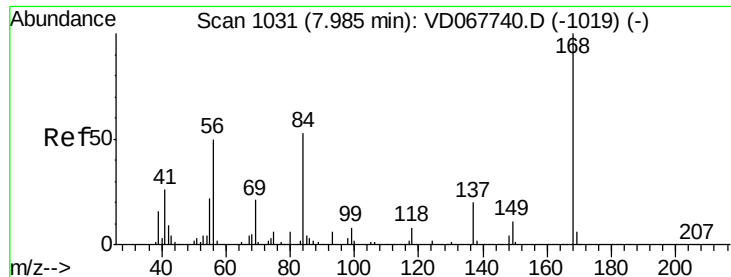
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067772.D

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MSVOA_D

ClientSampleId :

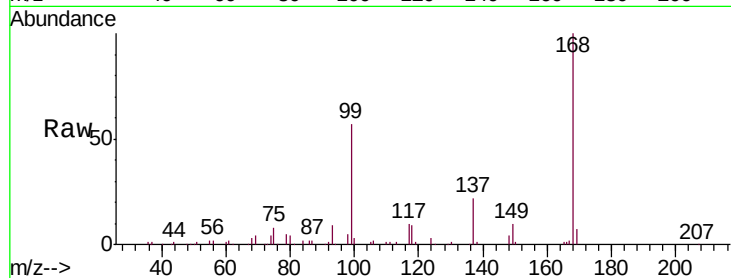
PHC-340EM-012

Tgt Ion:168 Resp: 189939

Ion Ratio Lower Upper

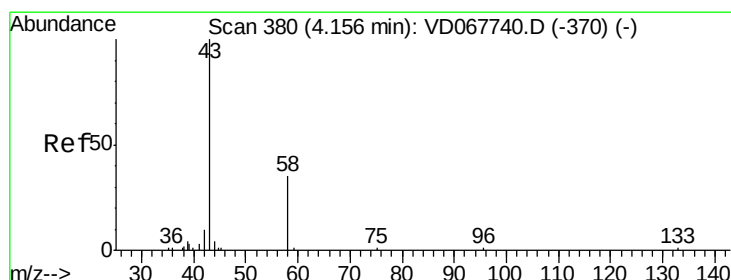
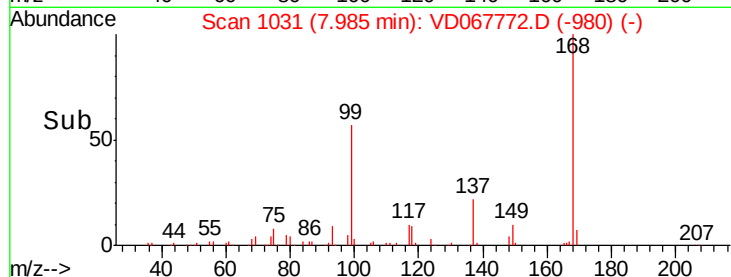
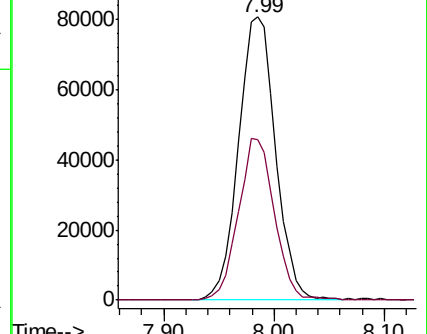
168 100

99 56.9 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 13.731 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067772.D

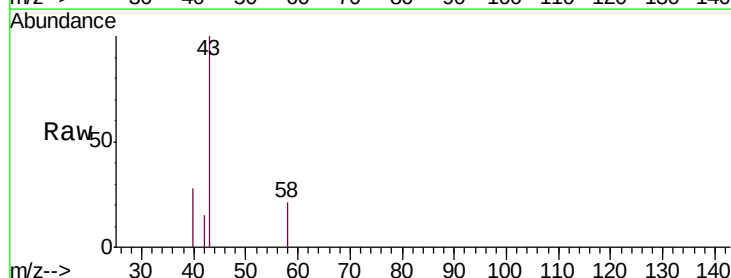
Acq: 24 Nov 2020 17:10

Tgt Ion: 43 Resp: 3276

Ion Ratio Lower Upper

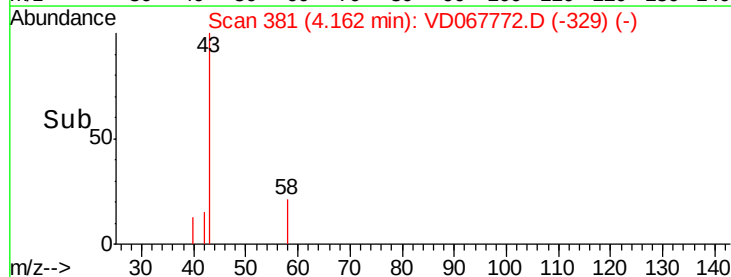
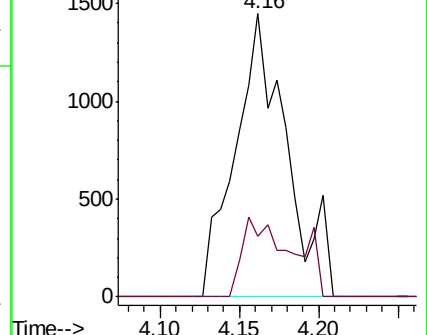
43 100

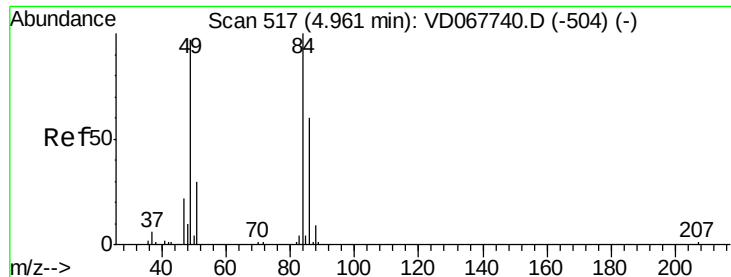
58 21.4 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

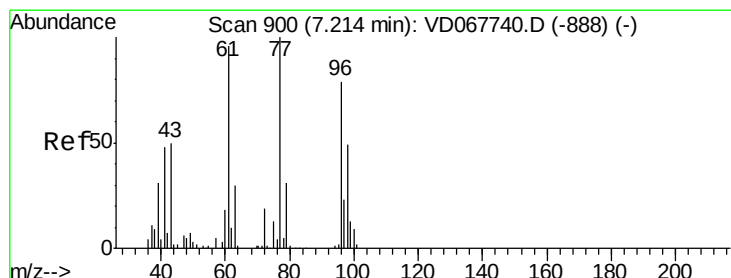
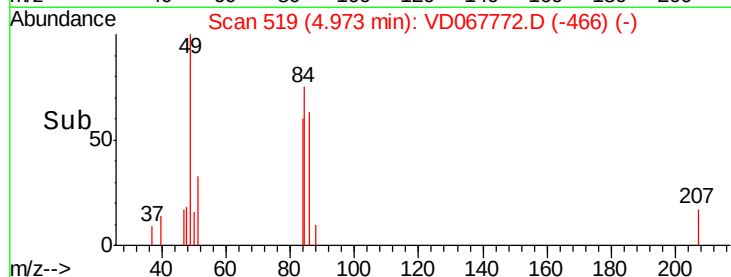
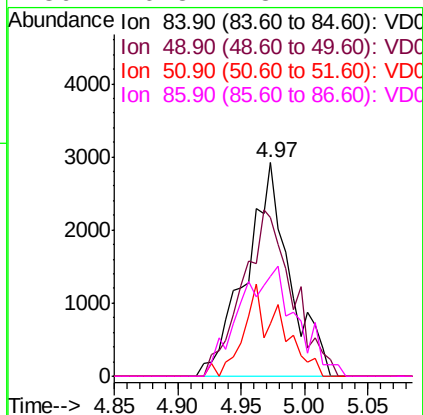
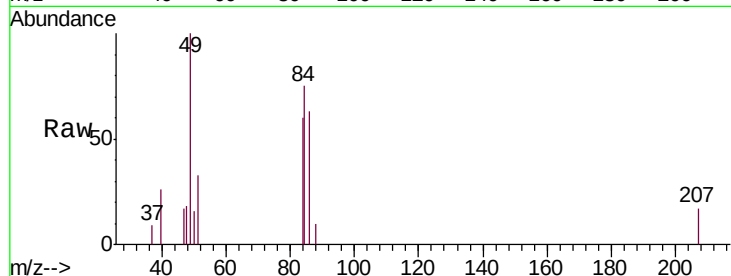




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067772.D
Acq: 24 Nov 2020 17:10

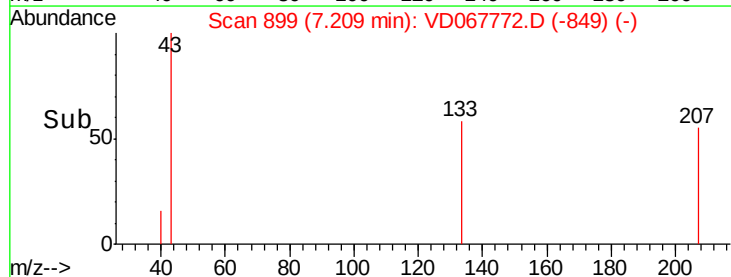
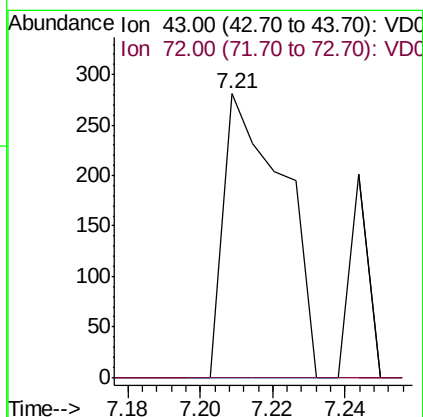
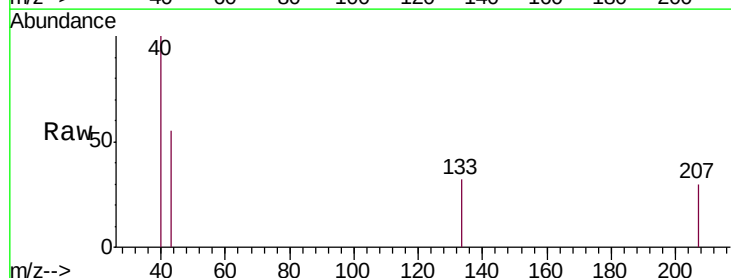
Instrument :
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ClientSampleId :
PHC-340EM-012

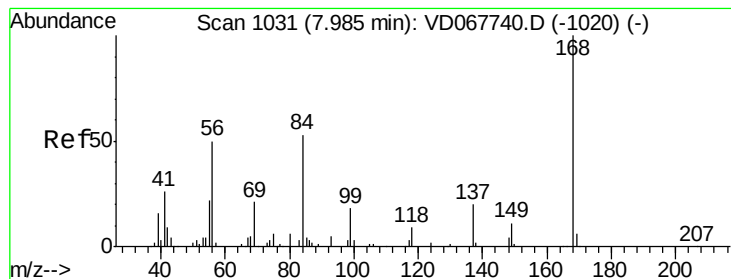
Tgt Ion: 84 Resp: 7016
Ion Ratio Lower Upper
84 100
49 74.5 77.4 116.2#
51 24.6 24.1 36.1
86 46.8 48.2 72.2#



#25
2-Butanone
Concen: 1.203 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067772.D
Acq: 24 Nov 2020 17:10

Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
72 0.0 30.8 46.2#





#31

Cyclohexane

Concen: 1.630 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

PHC-340EM-012

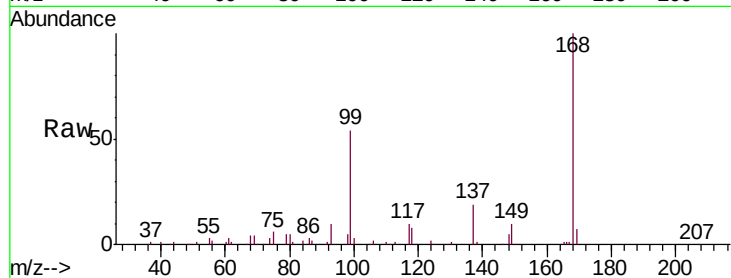
Tgt Ion: 56 Resp: 3642

Ion Ratio Lower Upper

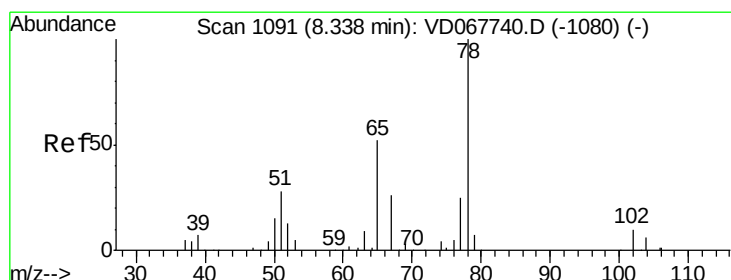
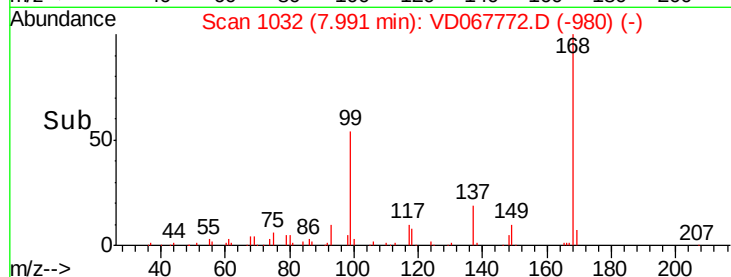
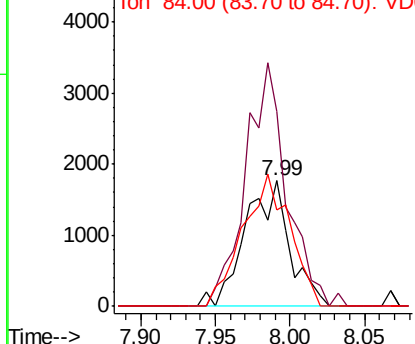
56 100

69 155.5 33.2 49.8#

84 76.8 84.8 127.2#



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: 54.249 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067772.D

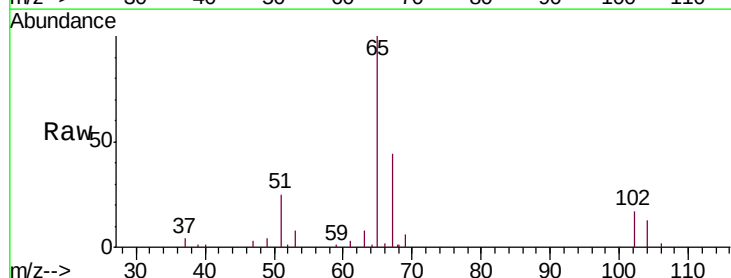
Acq: 24 Nov 2020 17:10

Tgt Ion: 65 Resp: 100187

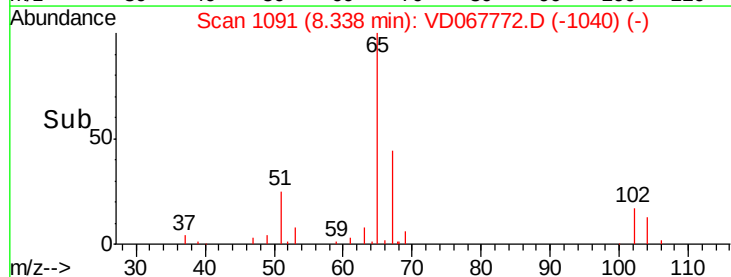
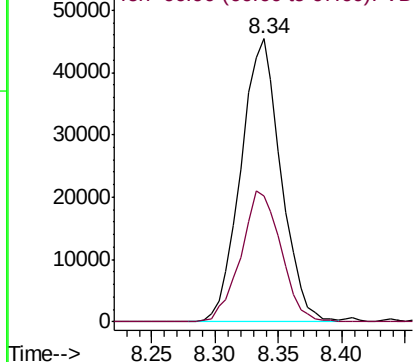
Ion Ratio Lower Upper

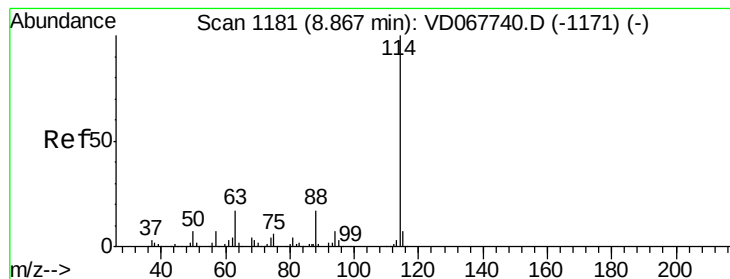
65 100

67 46.2 0.0 101.0



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. 0.00 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

PHC-340EM-012

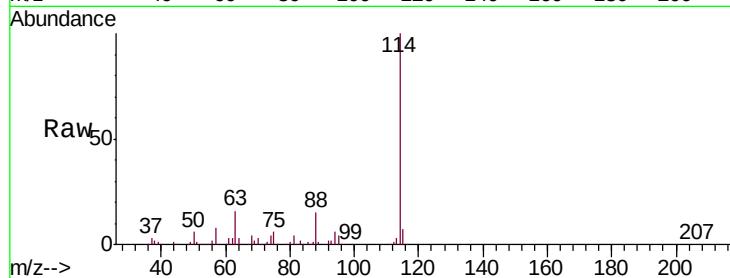
Tgt Ion:114 Resp: 287316

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.8

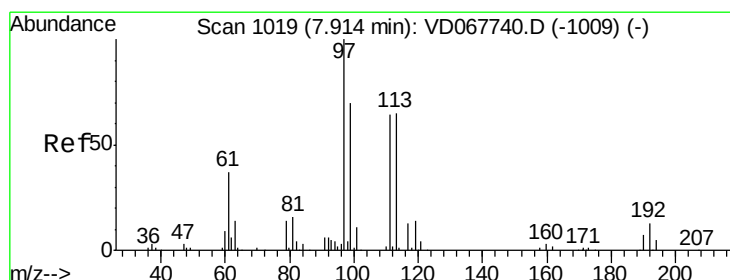
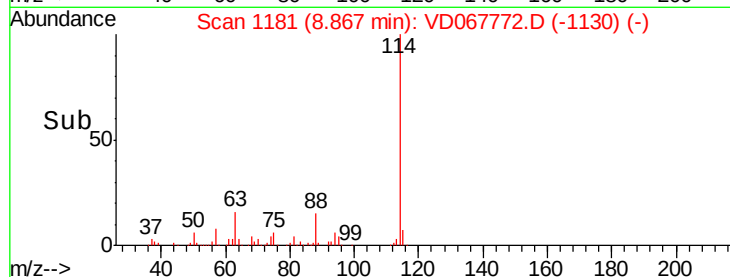
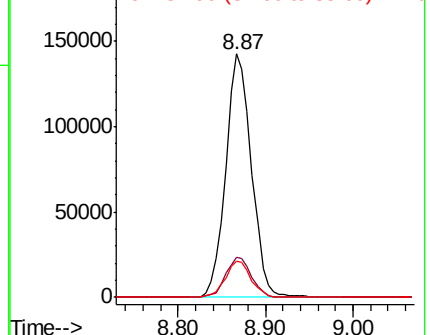
88 14.9 0.0 34.4



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: 51.040 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

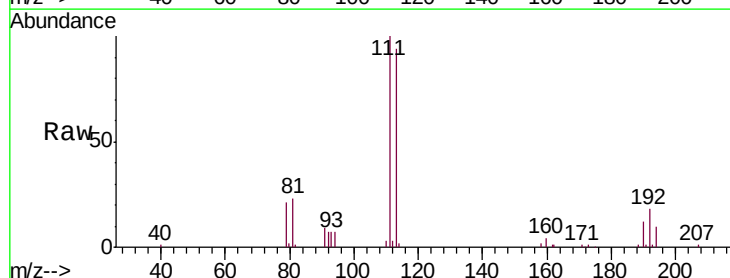
Tgt Ion:113 Resp: 93325

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

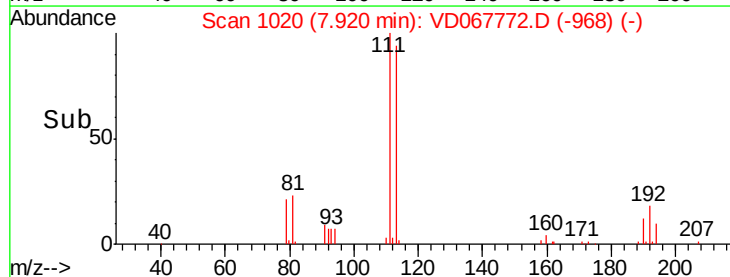
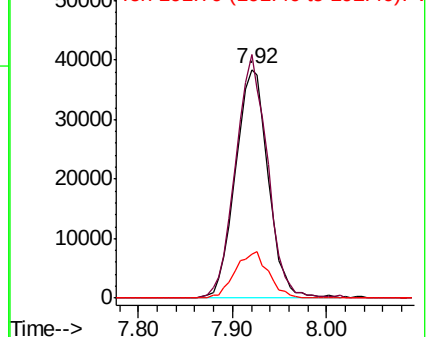
192 20.6 17.0 25.4

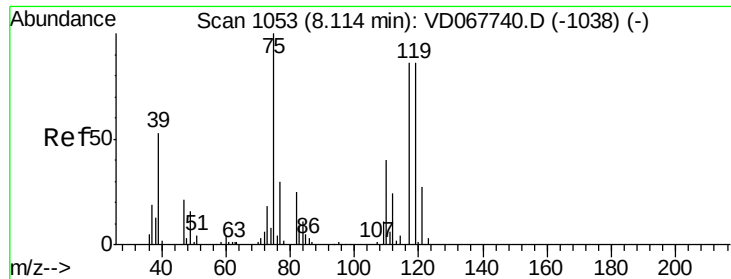


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

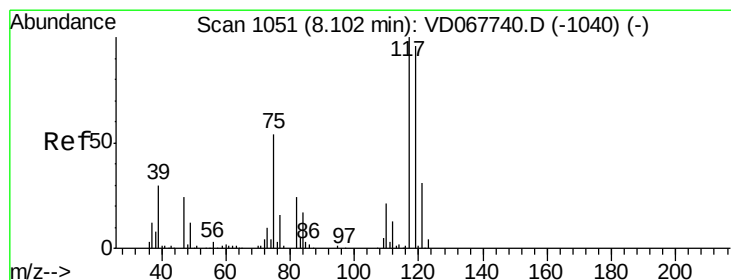
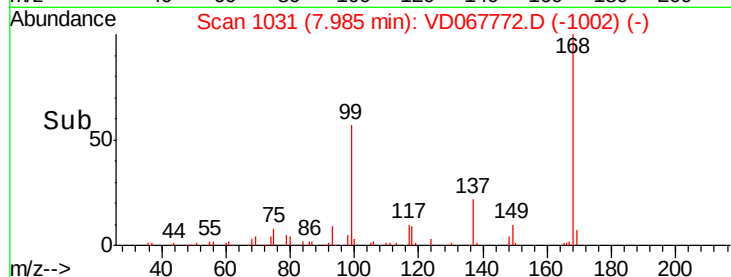
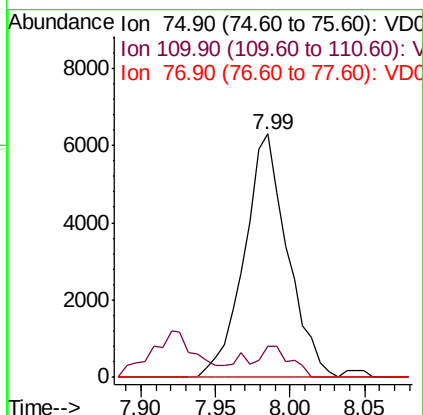
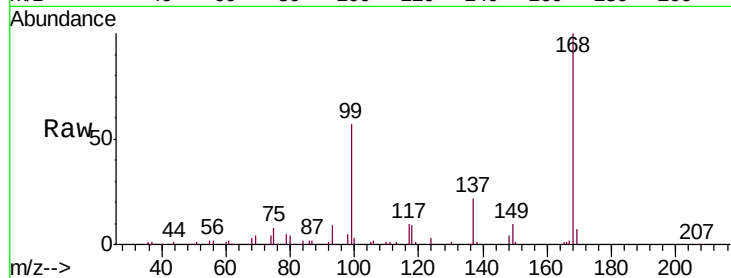




#36
 1,1-Dichloropropene
 Concen: 5.135 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067772.D
 Acq: 24 Nov 2020 17:10

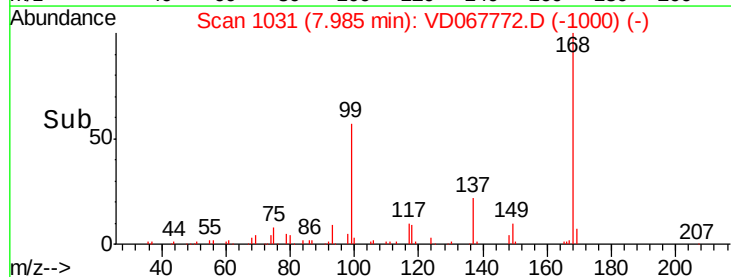
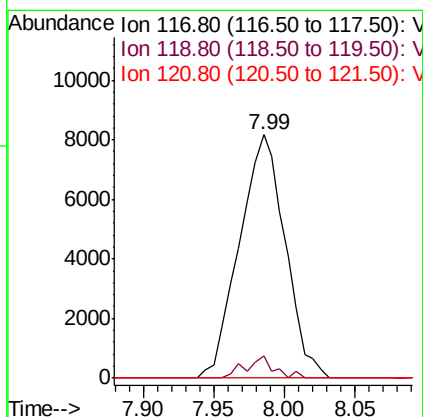
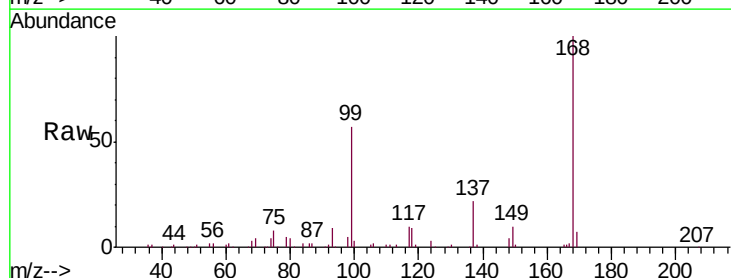
Instrument :
 MSVOA_D
 ClientSampleId :
 PHC-340EM-012

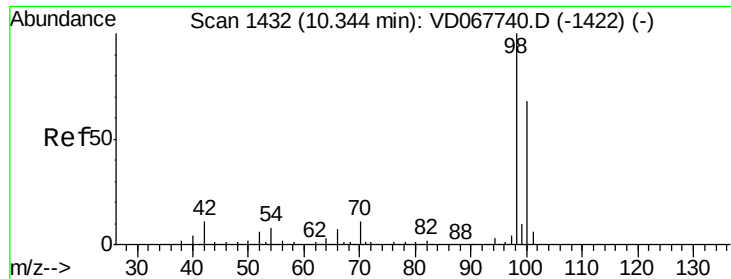
Tgt Ion: 75 Resp: 12660
 Ion Ratio Lower Upper
 75 100
 110 8.9 20.1 60.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.185 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067772.D
 Acq: 24 Nov 2020 17:10

Tgt Ion: 117 Resp: 18530
 Ion Ratio Lower Upper
 117 100
 119 9.3 76.6 115.0#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 45.298 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

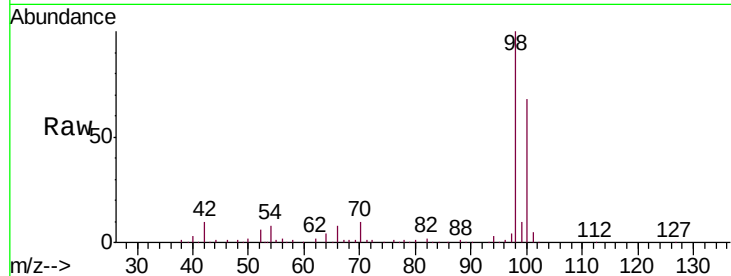
PHC-340EM-012

Tgt Ion: 98 Resp: 302821

Ion Ratio Lower Upper

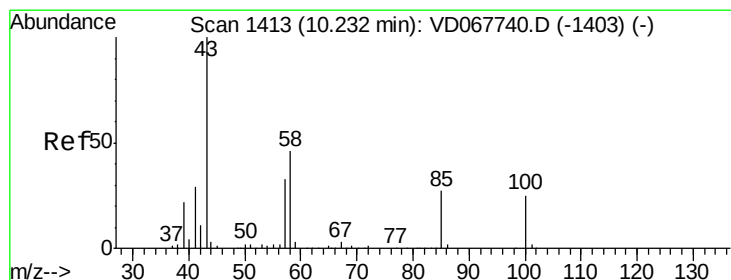
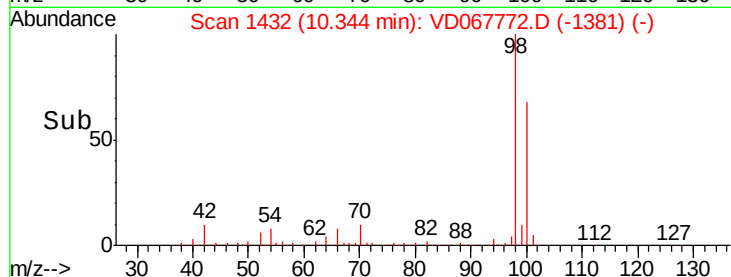
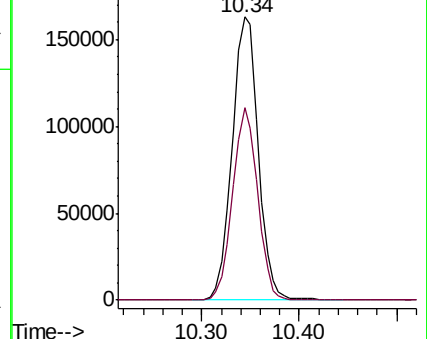
98 100

100 65.2 53.1 79.7



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: 2.153 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067772.D

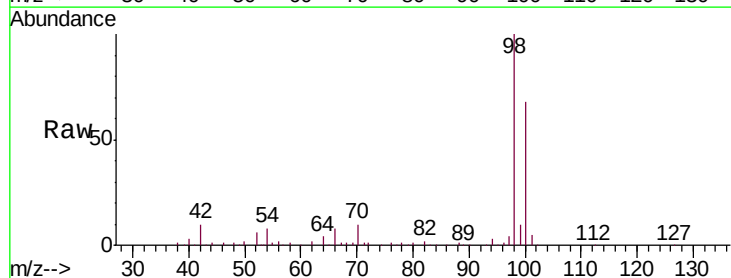
Acq: 24 Nov 2020 17:10

Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

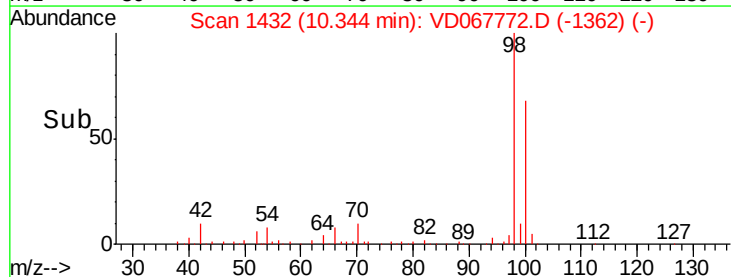
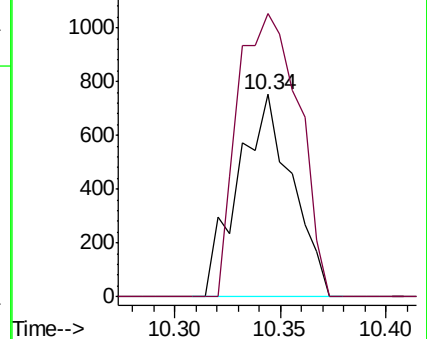
43 100

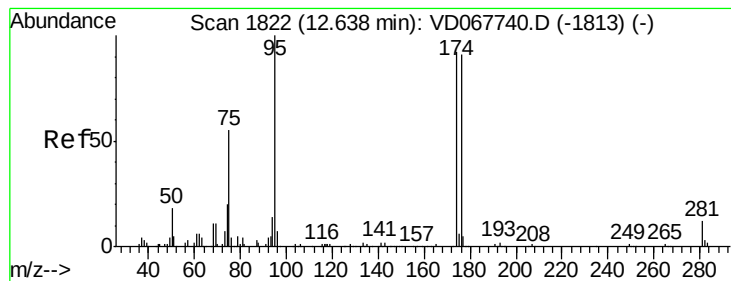
58 157.6 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 38.421 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

Instrument :

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PHC-340EM-012

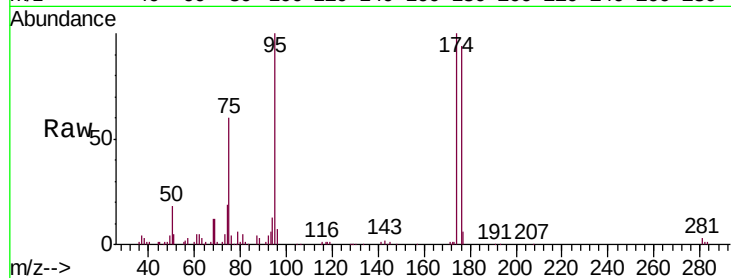
Tgt Ion: 95 Resp: 87792

Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.4

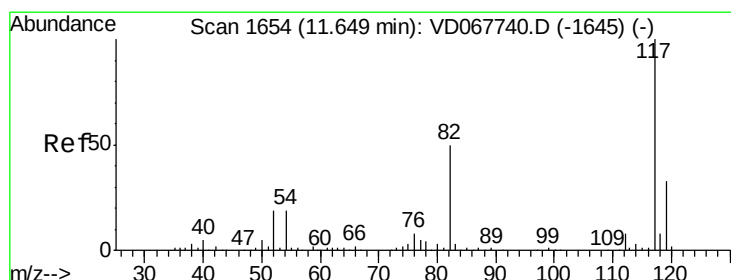
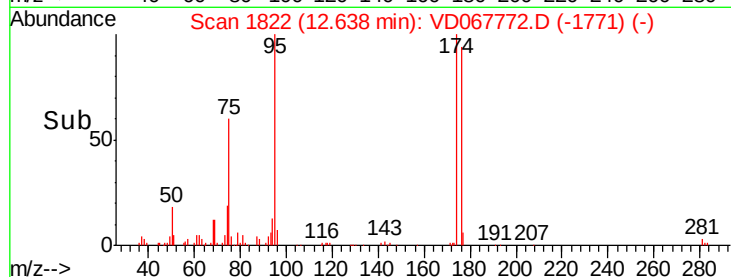
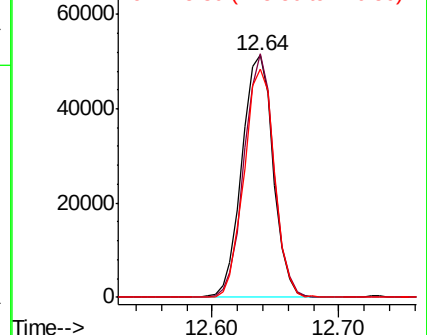
176 91.8 0.0 178.2



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: VD067772.D

Acq: 24 Nov 2020 17:10

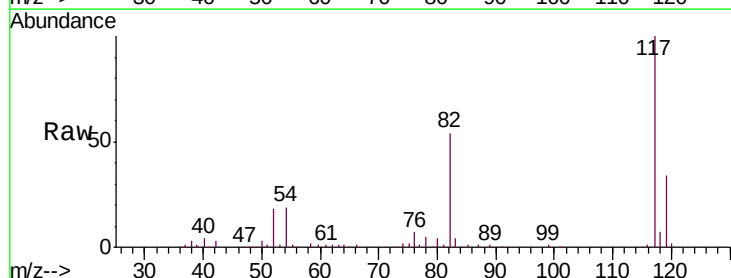
Tgt Ion: 117 Resp: 243037

Ion Ratio Lower Upper

117 100

82 54.0 40.2 60.4

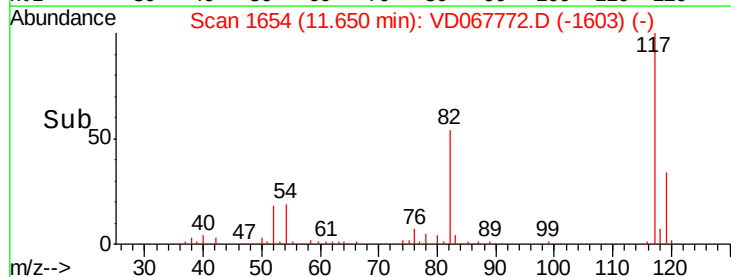
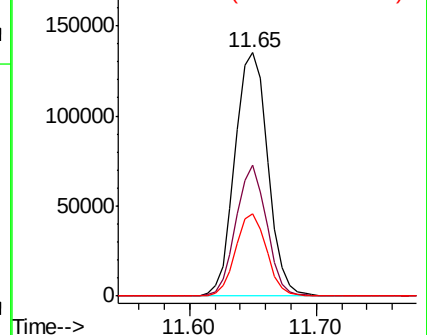
119 33.6 26.5 39.7

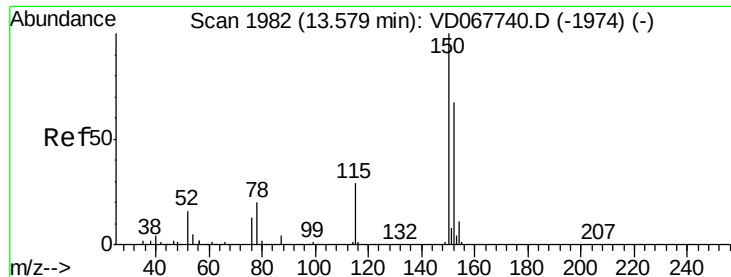


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.00 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

PHC-340EM-012

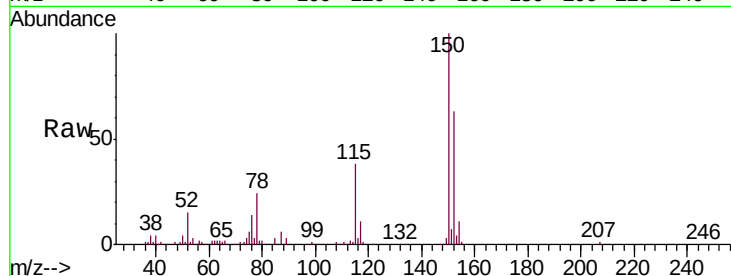
Tgt Ion:152 Resp: 99671

Ion Ratio Lower Upper

152 100

115 58.2 29.4 88.3

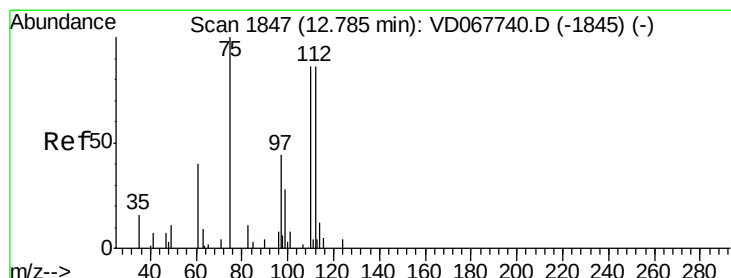
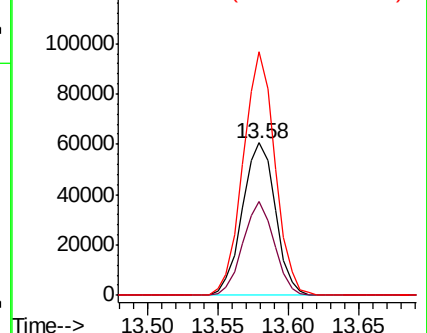
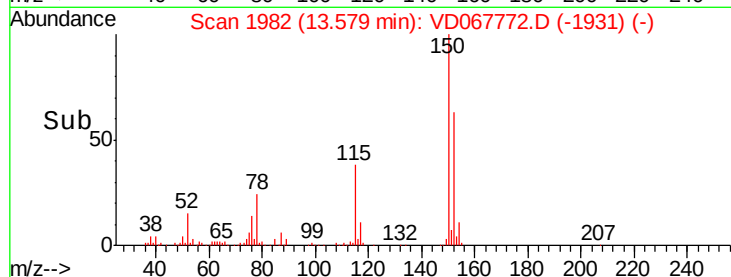
150 153.4 0.0 340.6



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: 68.693 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067772.D

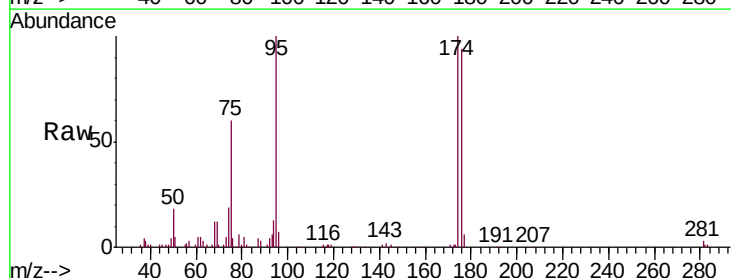
Acq: 24 Nov 2020 17:10

Tgt Ion: 75 Resp: 47718

Ion Ratio Lower Upper

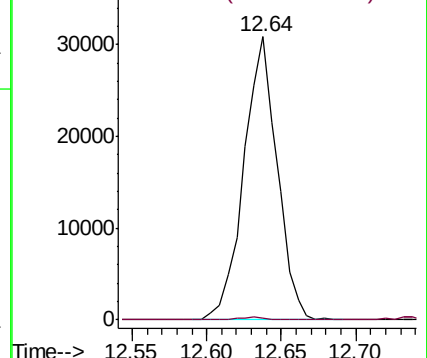
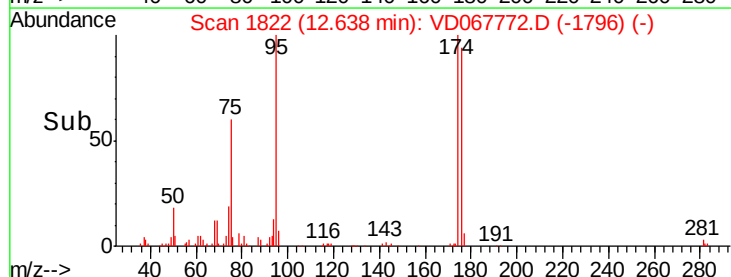
75 100

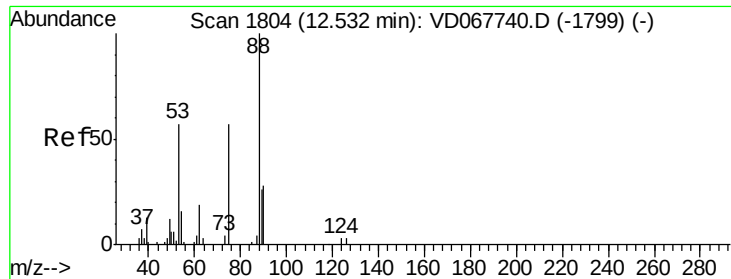
77 0.7 0.0 0.0#



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: 160.667 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067772.D

Acq: 24 Nov 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

PHC-340EM-012

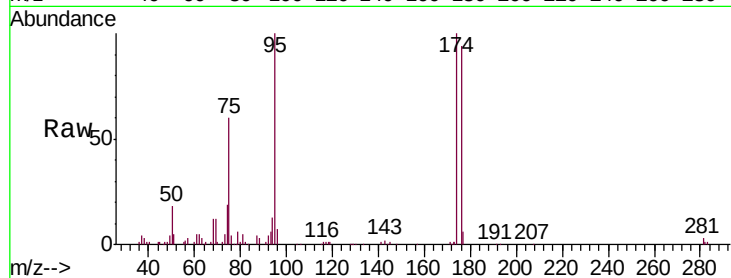
Tgt Ion: 75 Resp: 47718

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.1 40.2 60.4#



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

