

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067494.D
 Acq On : 02 Nov 2020 16:26
 Operator : VA/SY
 Sample : L4541-07
 Misc : 3.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20-105

Quant Time: Nov 03 00:29:55 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

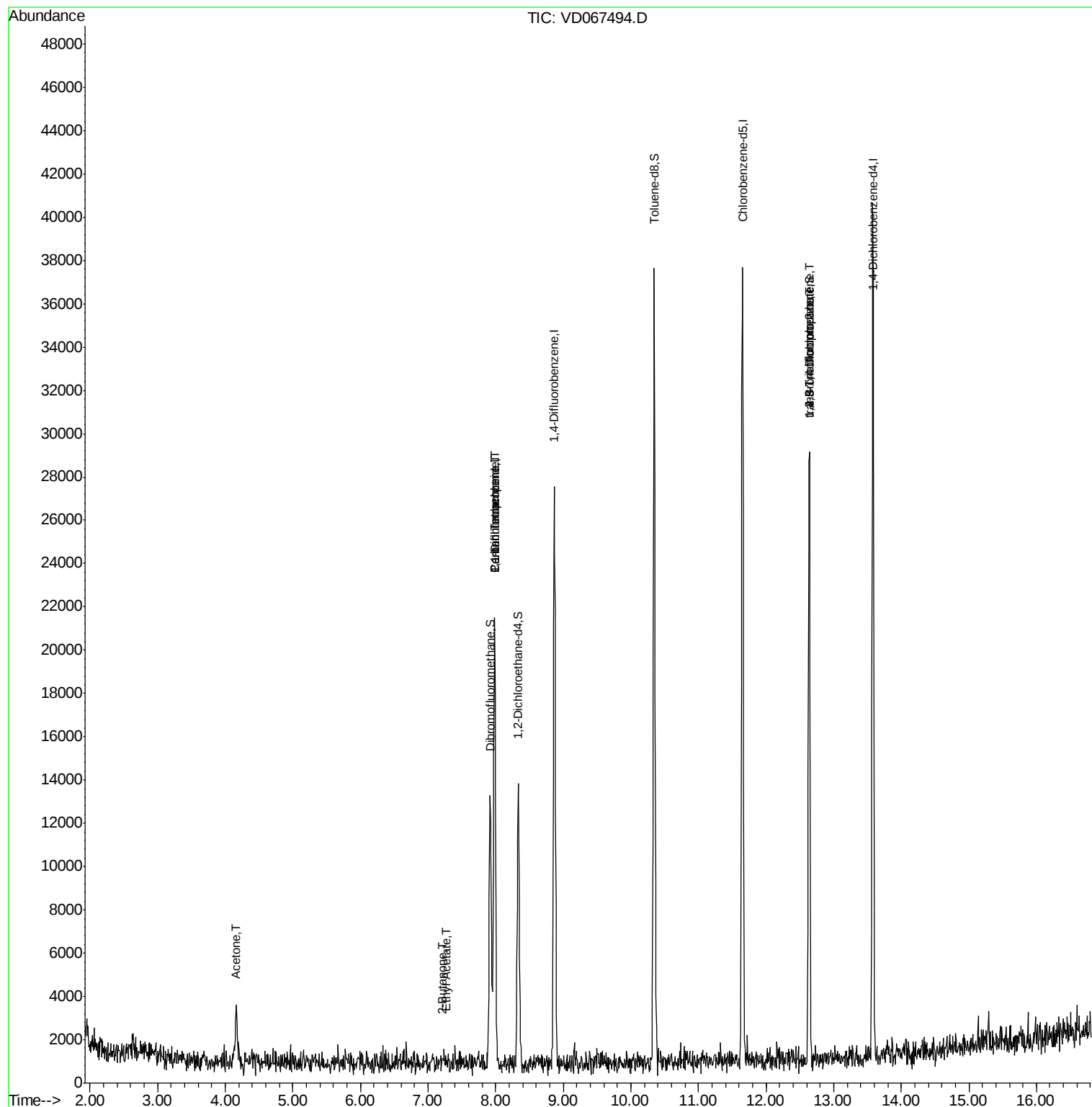
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	14926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	22434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	22867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	11615	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	10844	72.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.04%	
35) Dibromofluoromethane	7.92	113	8577	57.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.90%	
50) Toluene-d8	10.35	98	27787	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.64	95	9172	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
Target Compounds						
16) Acetone	4.16	43	3179	151.796	ug/l	99
25) 2-Butanone	7.21	43	436	18.264	ug/l #	45
36) 1,1-Dichloropropene	7.99	75	931	4.896	ug/l #	39
37) Ethyl Acetate	7.26	43	58	1.037	ug/l #	61
38) Carbon Tetrachloride	7.99	117	1941	7.987	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	4987	61.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	4987	140.480	ug/l #	10

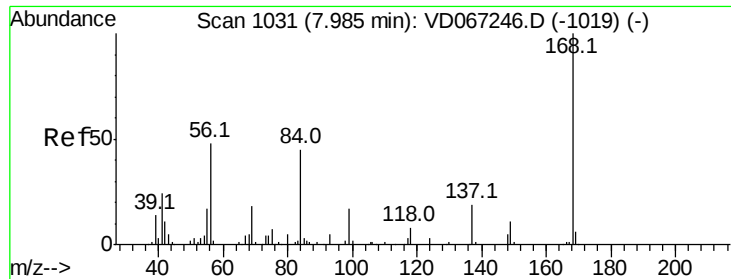
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067494.D

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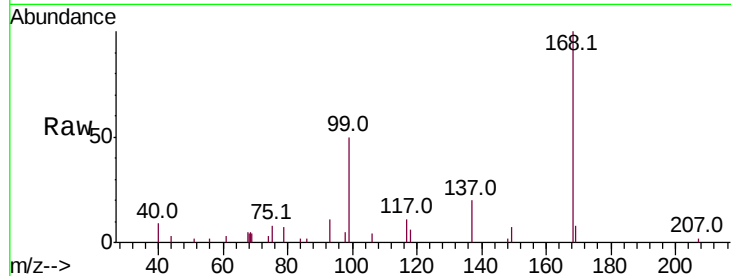
Instrument :
MSVOA_D
ClientSampleId :
20-105

Tot Ion:168 Resp: 14926

Ion Ratio Lower Upper

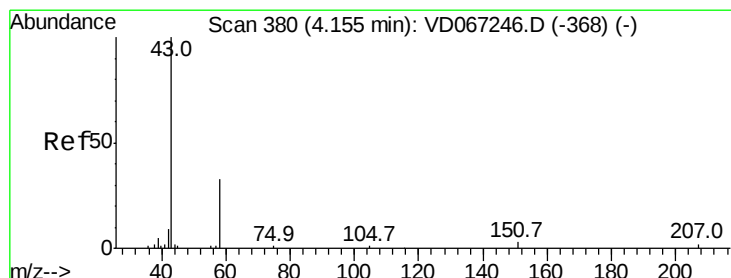
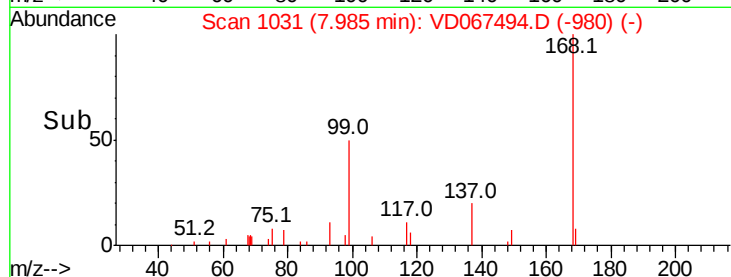
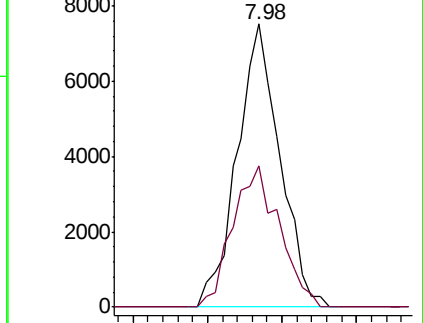
168 100

99 50.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 151.796 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067494.D

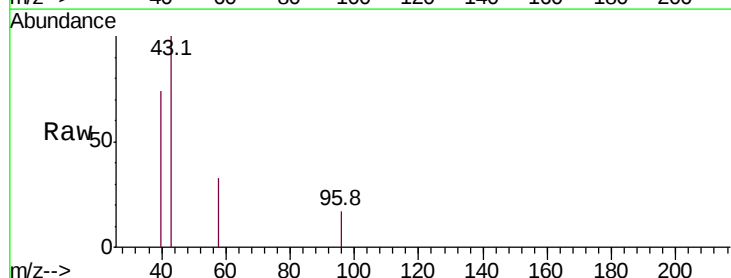
Acq: 02 Nov 2020 16:26

Tgt Ion: 43 Resp: 3179

Ion Ratio Lower Upper

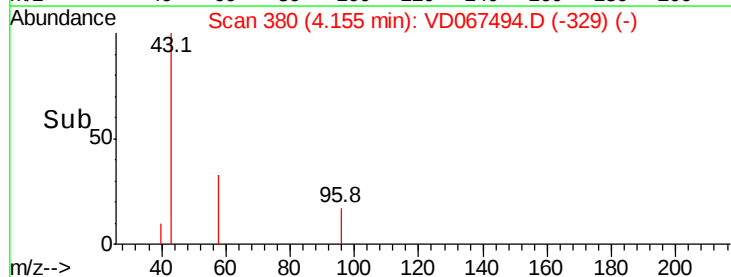
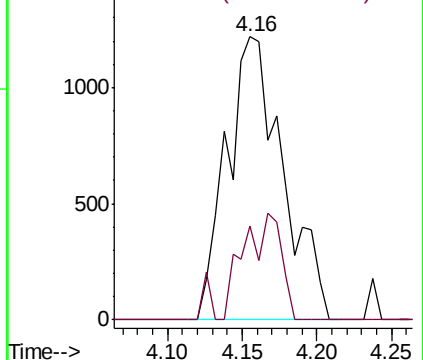
43 100

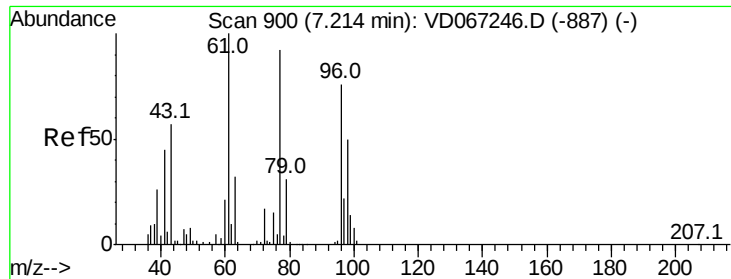
58 33.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#25

2-Butanone

Concen: 18.264 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

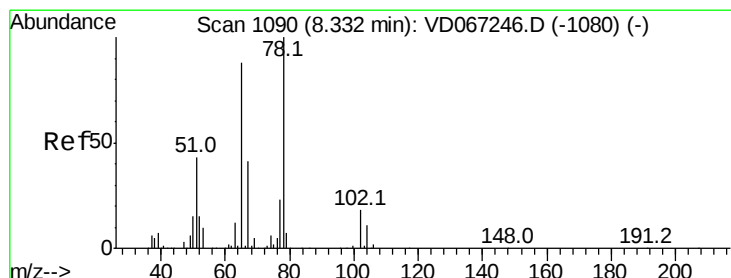
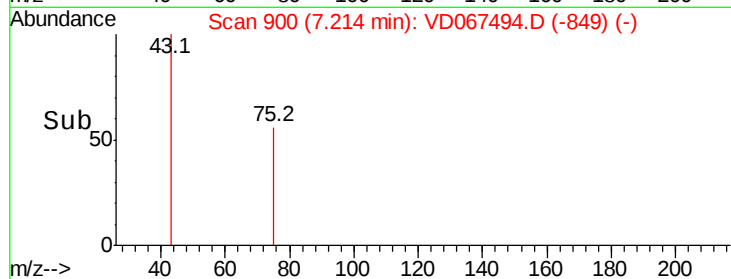
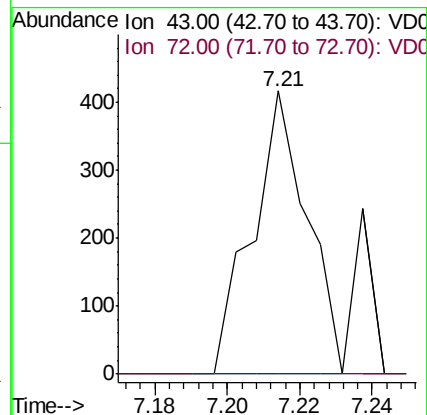
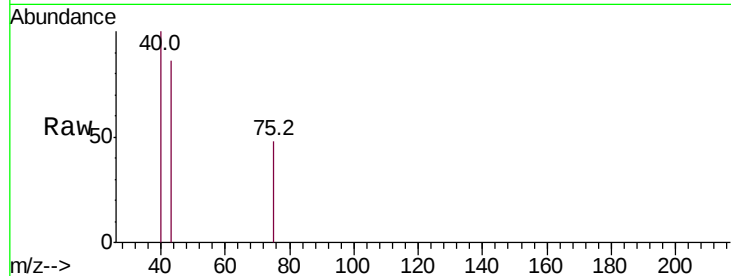
20-105

Tot Ion: 43 Resp: 436

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#33

1,2-Dichloroethane-d4

Concen: 72.518 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067494.D

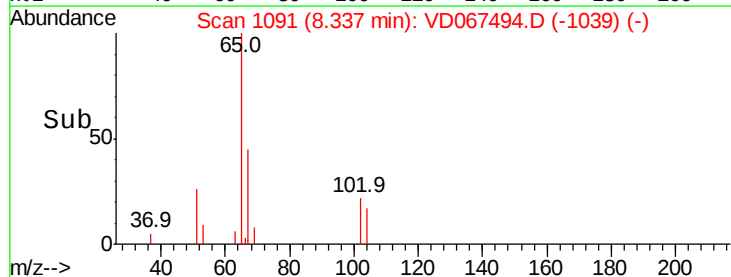
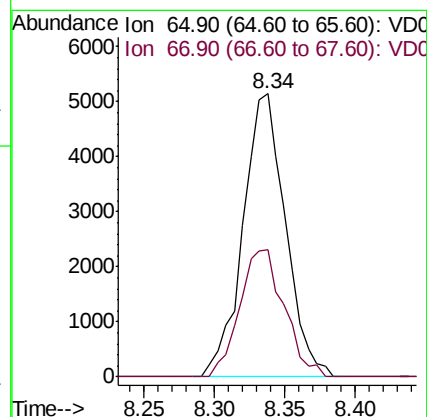
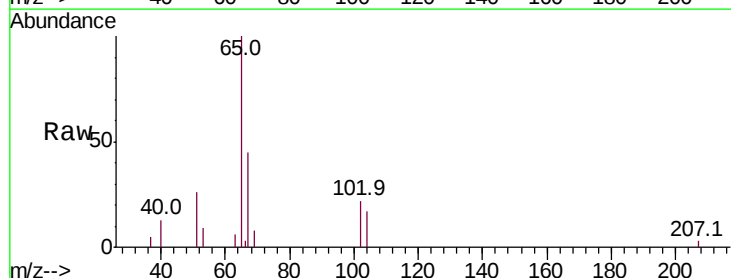
Acq: 02 Nov 2020 16:26

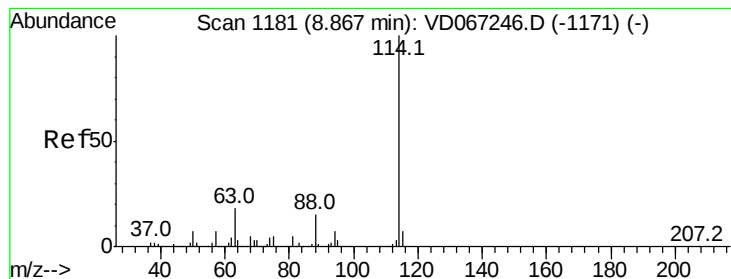
Tgt Ion: 65 Resp: 10844

Ion Ratio Lower Upper

65 100

67 46.9 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

20-105

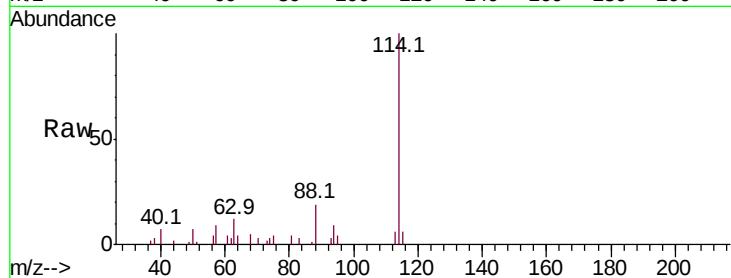
Tot Ion:114 Resp: 22434

Ion Ratio Lower Upper

114 100

63 11.6 0.0 35.0

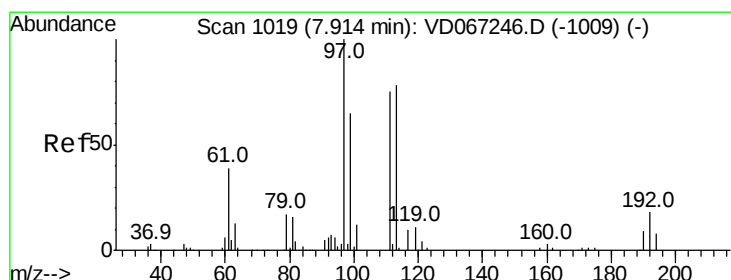
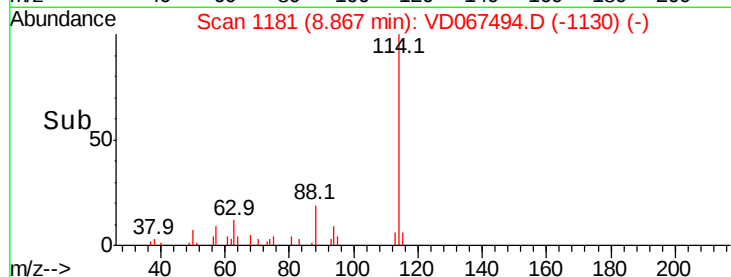
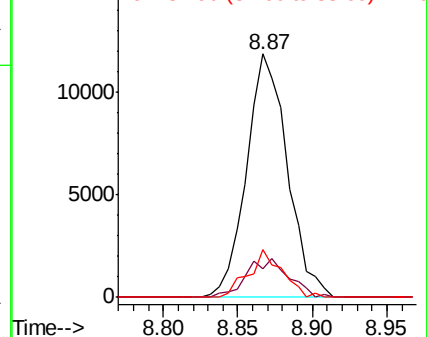
88 19.5 0.0 30.6



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: 57.449 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

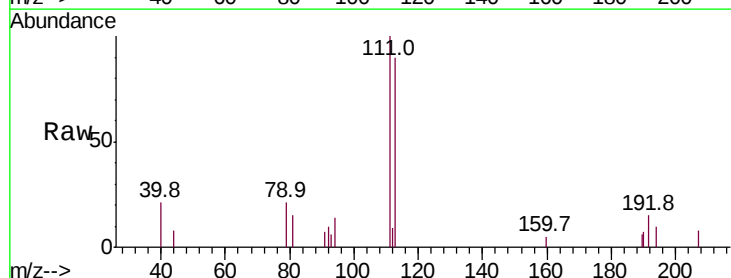
Tgt Ion:113 Resp: 8577

Ion Ratio Lower Upper

113 100

111 108.5 81.6 122.4

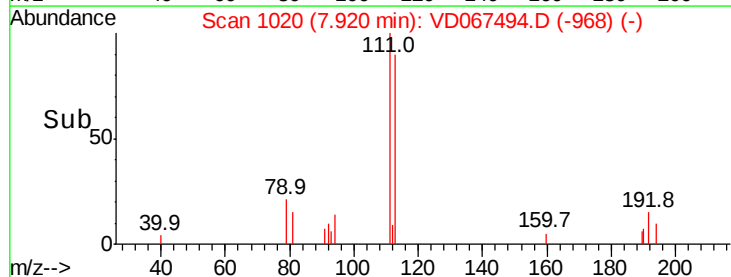
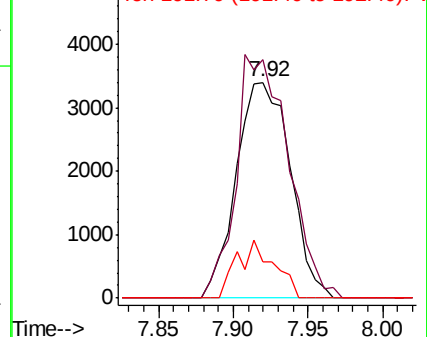
192 18.3 17.0 25.4

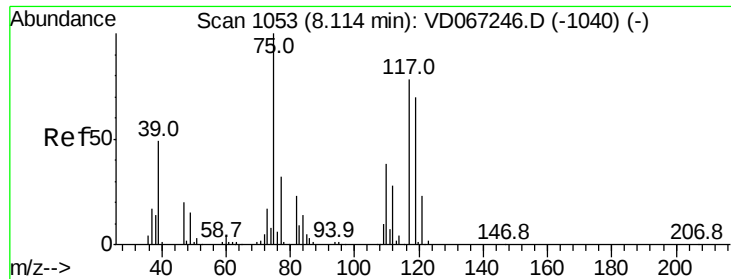


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.896 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

20-105

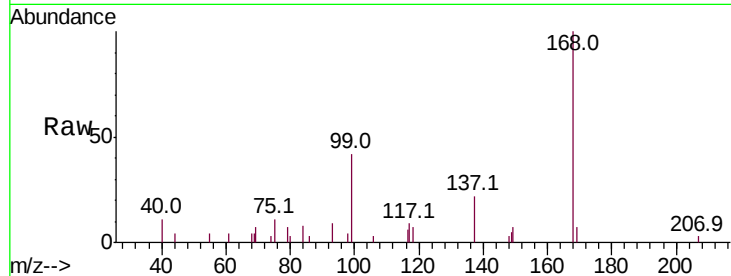
Tot Ion: 75 Resp: 931

Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

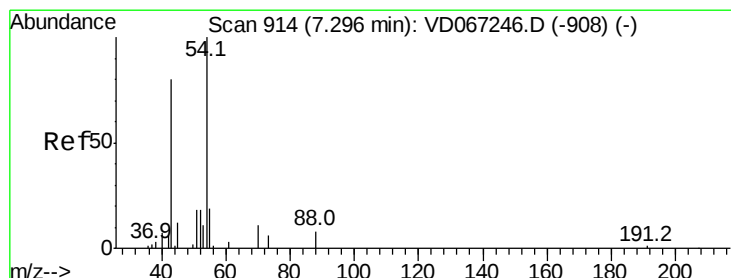
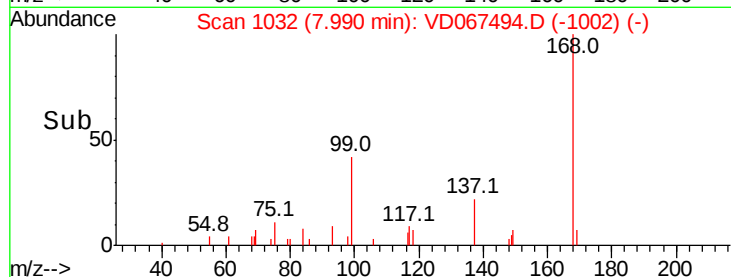
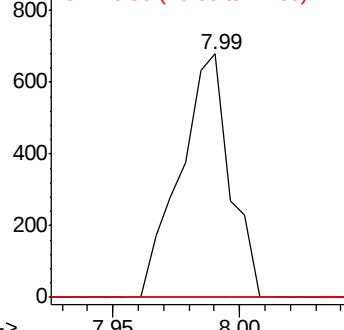
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.037 ug/l

RT: 7.26 min Scan# 908

Delta R.T. -0.04 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

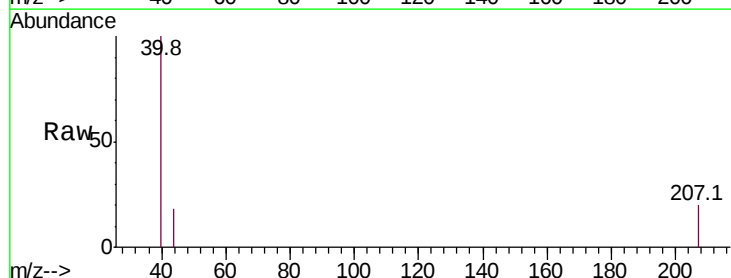
Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

61 0.0 15.6 23.4#

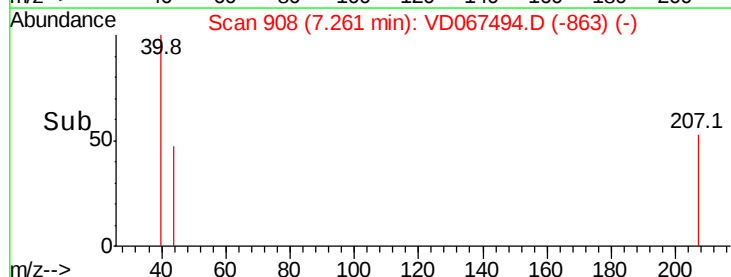
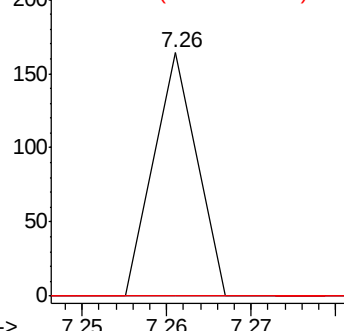
70 0.0 10.4 15.6#

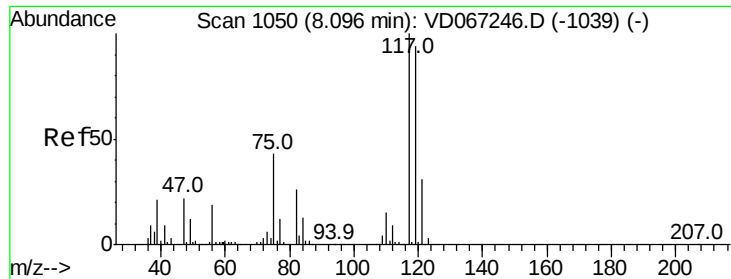


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 7.987 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

20-105

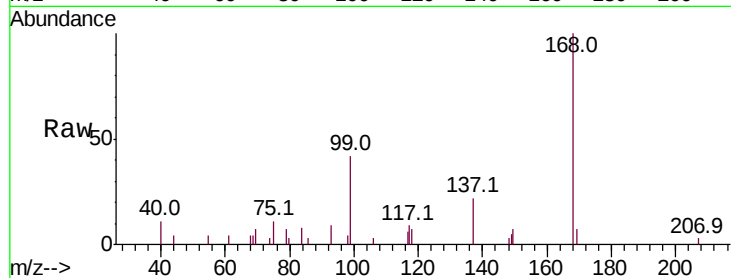
Tot Ion:117 Resp: 1941

Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.4#

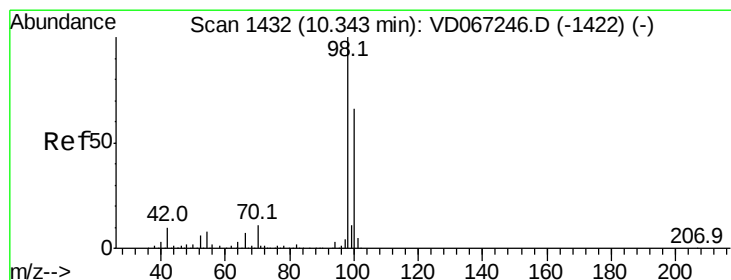
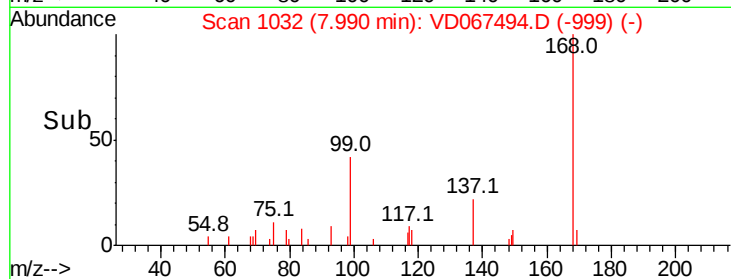
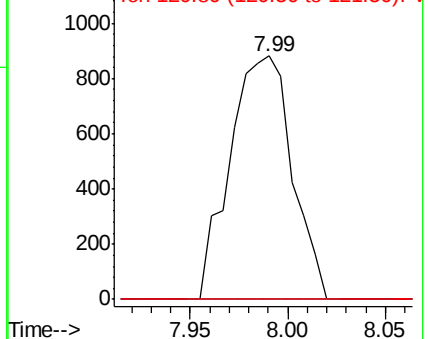
121 0.0 24.9 37.3#



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: 51.429 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VD067494.D

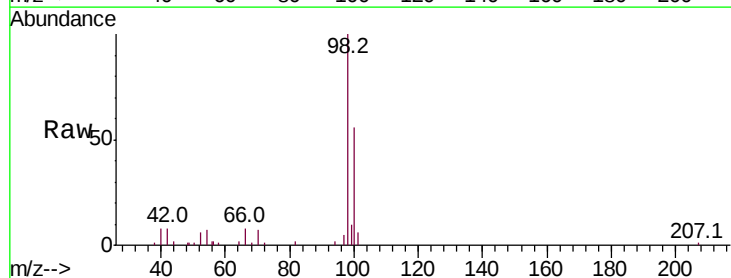
Acq: 02 Nov 2020 16:26

Tgt Ion: 98 Resp: 27787

Ion Ratio Lower Upper

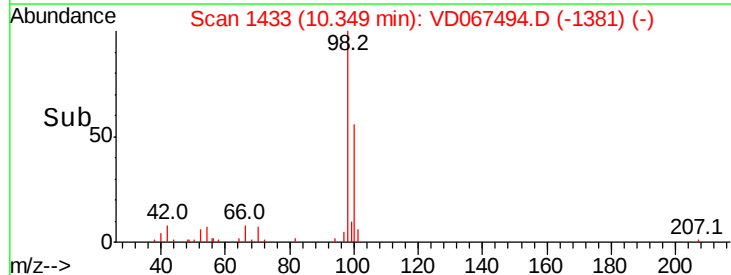
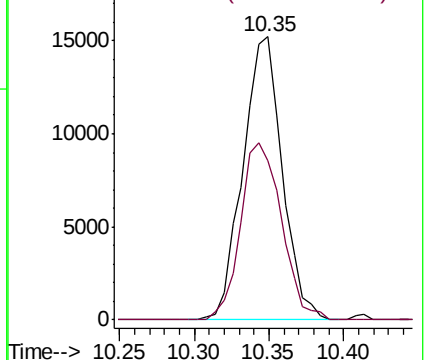
98 100

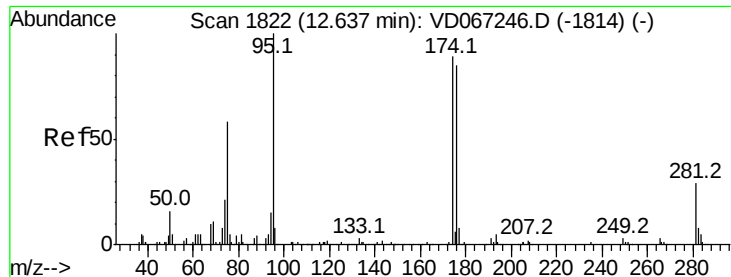
100 65.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.820 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067494.D

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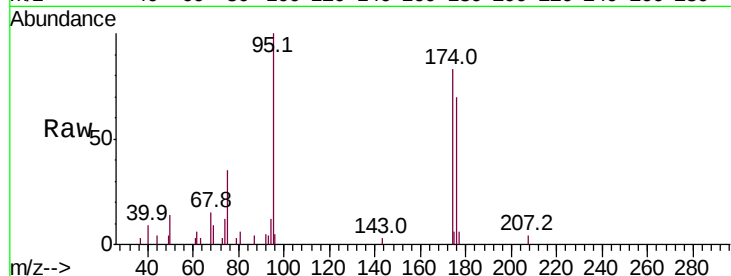
Tot Ion: 95 Resp: 9172

Ion Ratio Lower Upper

95 100

174 97.9 0.0 175.2

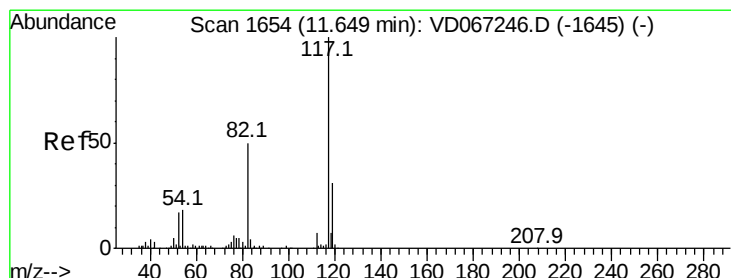
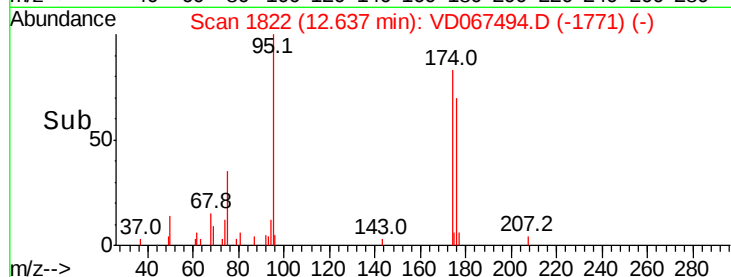
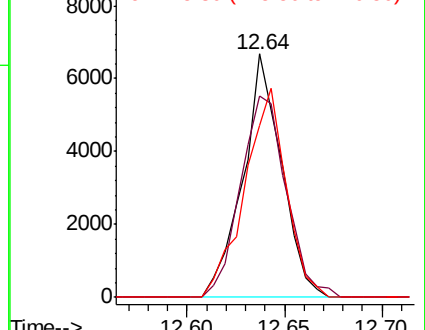
176 91.9 0.0 168.6



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# 1655

Delta R.T. 0.01 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

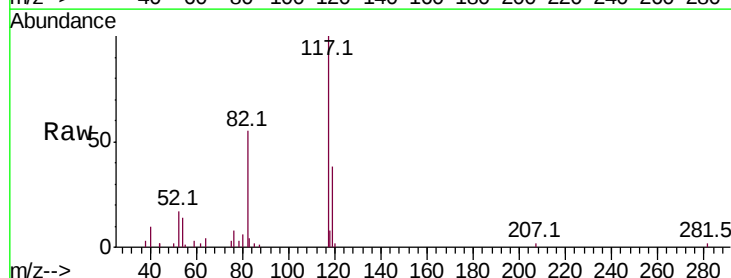
Tgt Ion: 117 Resp: 22867

Ion Ratio Lower Upper

117 100

82 55.4 39.9 59.9

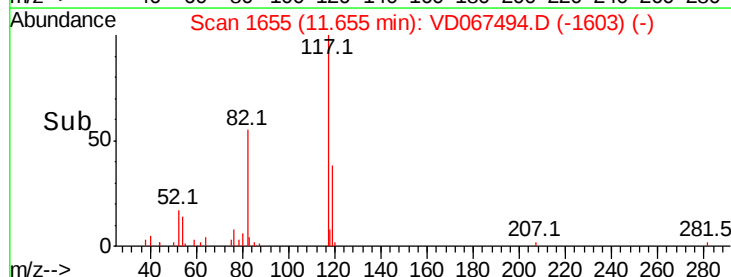
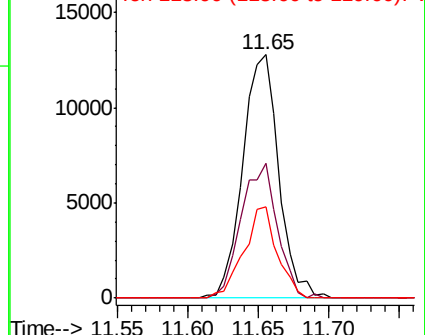
119 37.6 24.9 37.3#

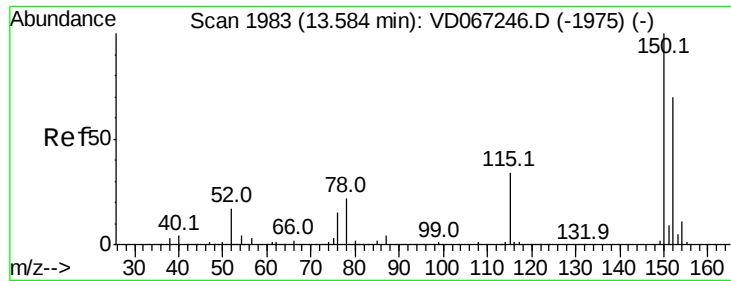


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. -0.01 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

Instrument :

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ClientSampleId :

20-105

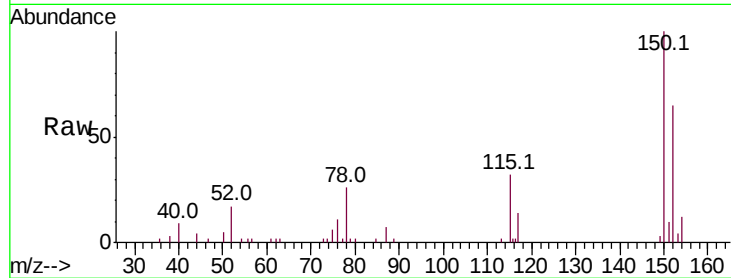
Tot Ion:152 Resp: 11615

Ion Ratio Lower Upper

152 100

115 59.4 29.3 87.9

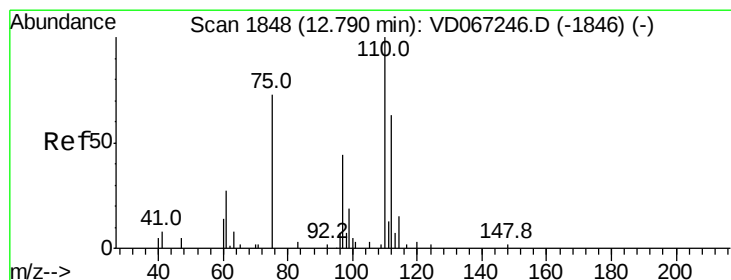
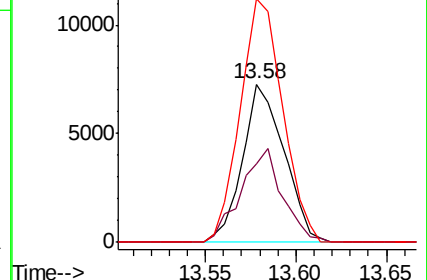
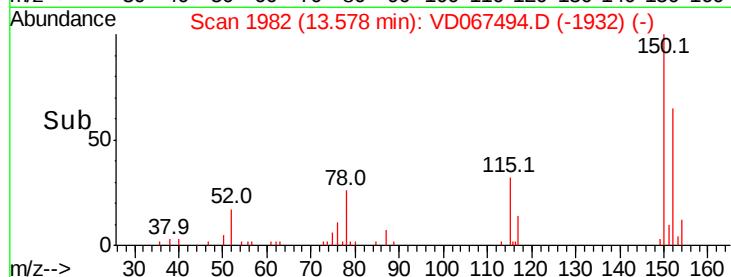
150 157.1 0.0 339.0



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: 61.948 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD067494.D

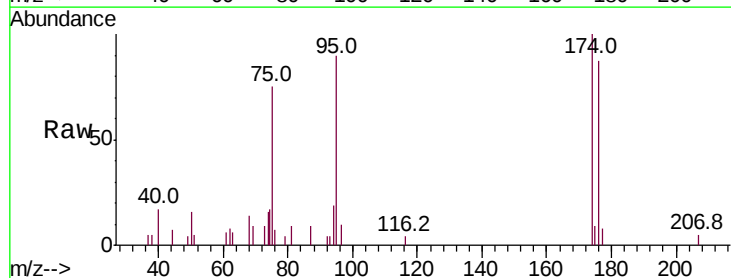
Acq: 02 Nov 2020 16:26

Tgt Ion: 75 Resp: 4987

Ion Ratio Lower Upper

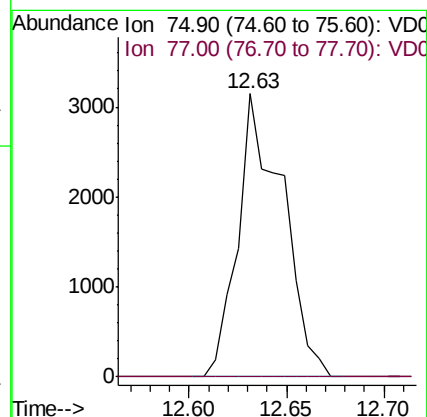
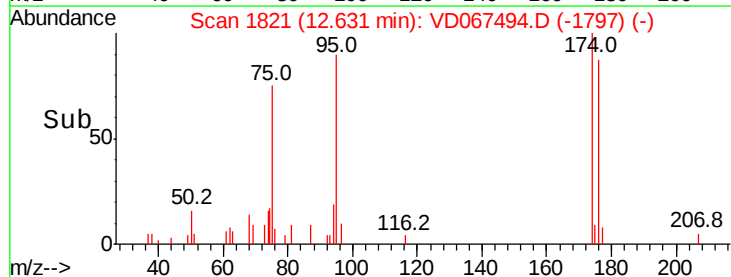
75 100

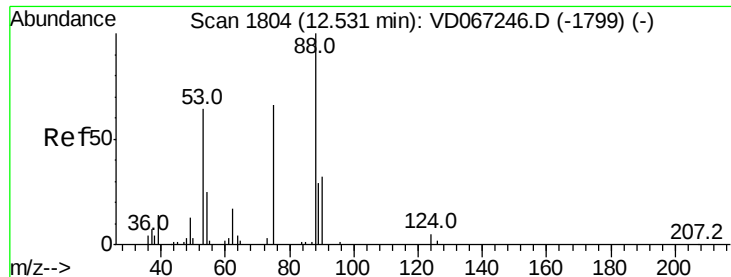
77 0.0 0.0 0.0



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: 140.480 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067494.D

Acq: 02 Nov 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

20-105

Tot Ion: 75 Resp: 4987

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

