

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067381.D
 Acq On : 23 Oct 2020 14:48
 Operator : VA/SY
 Sample : L4500-01
 Misc : 6.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11935

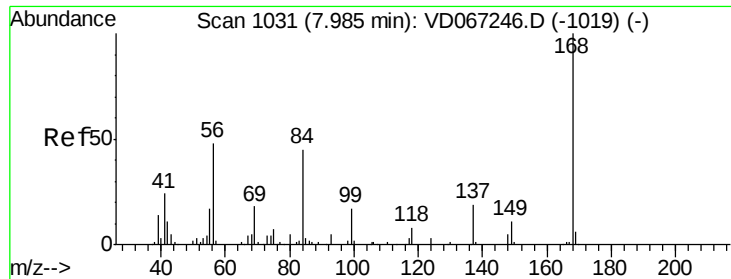
Quant Time: Oct 24 07:20:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	315364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	504341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	487907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223236	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	163272	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
35) Dibromofluoromethane	7.93	113	165292	49.25	ug/l	0.01
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.34	98	593912	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.64	95	202258	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	119	Below Cal		86
11) Tert butyl alcohol	5.18	59	96	Below Cal	#	81
16) Acetone	4.17	43	5062	11.440	ug/l	98
20) Methylene Chloride	4.96	84	320	Below Cal	#	47
29) Tetrahydrofuran	7.57	42	1449	5.168	ug/l	# 84
31) Cyclohexane	7.98	56	6261	1.721	ug/l	# 27
36) 1,1-Dichloropropene	7.98	75	22677	5.305	ug/l	# 50
38) Carbon Tetrachloride	7.98	117	32544	5.957	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.34	43	2423	1.947	ug/l	# 1
76) 1,2,3-Trichloropropane	12.64	75	104248	67.377	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	104248	152.791	ug/l	# 10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067381.D

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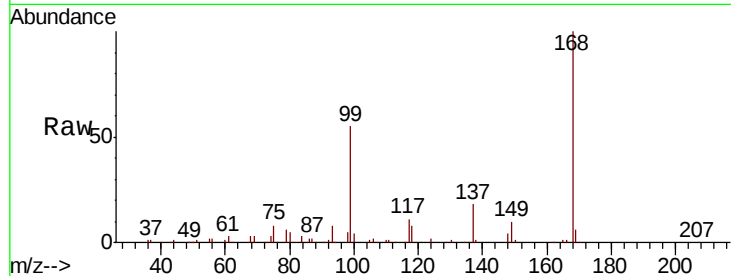
Instrument :
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11935

Tot Ion:168 Resp: 315364

Ion Ratio Lower Upper

168 100

99 55.4 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

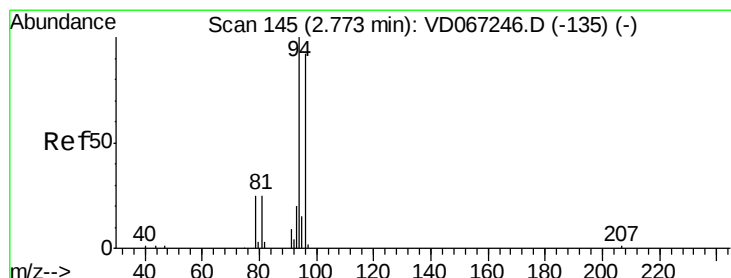
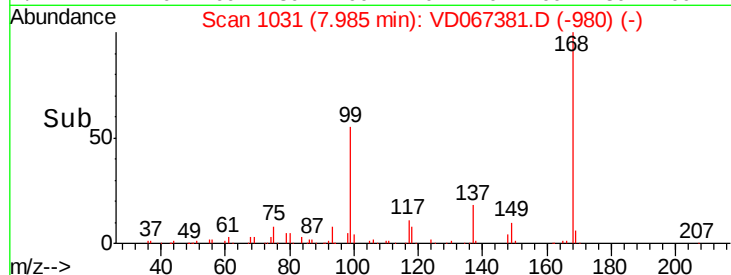
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067381.D

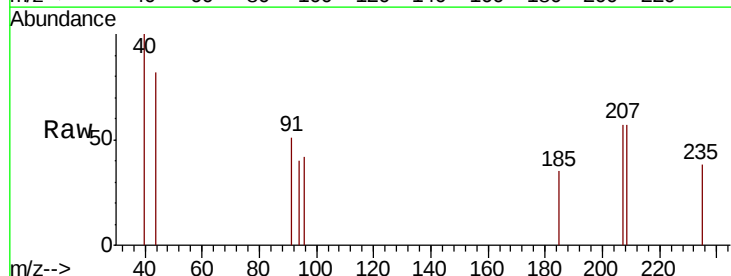
Acq: 23 Oct 2020 14:48

Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

94 100

96 105.8 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

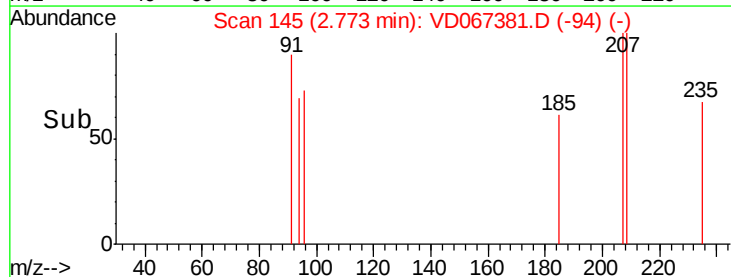
200

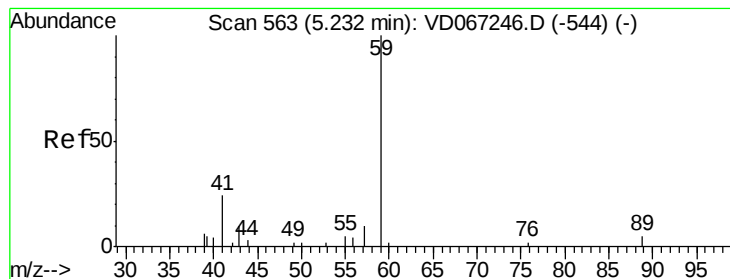
100

0

Time-->

2.76 2.78



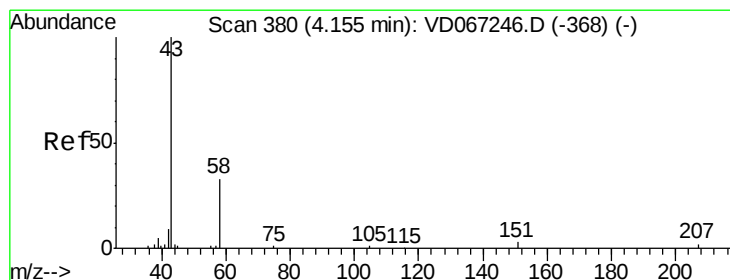
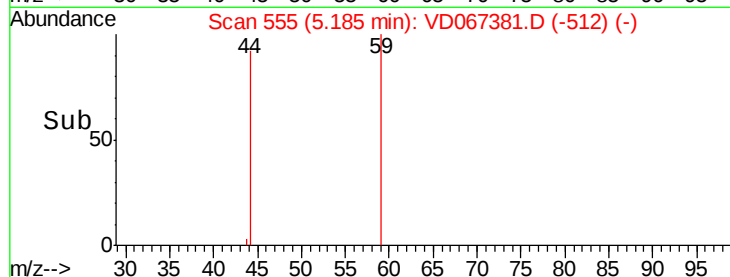
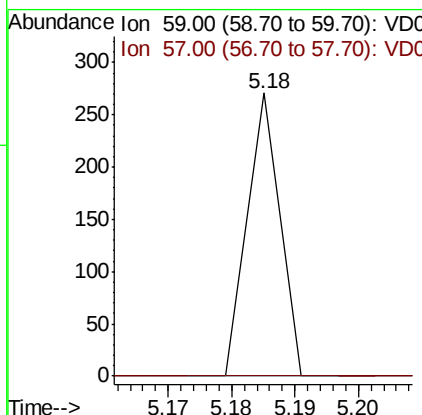
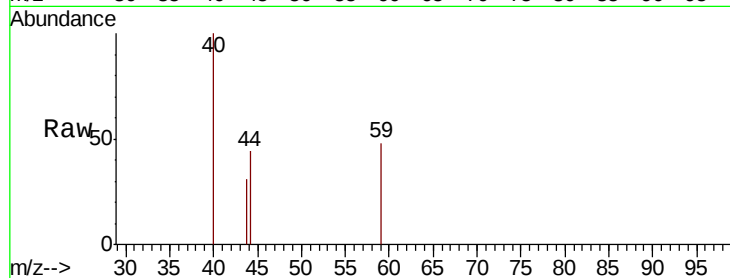


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 555
 Delta R.T. -0.05 min
 Lab File: VD067381.D
 Acq: 23 Oct 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 11935

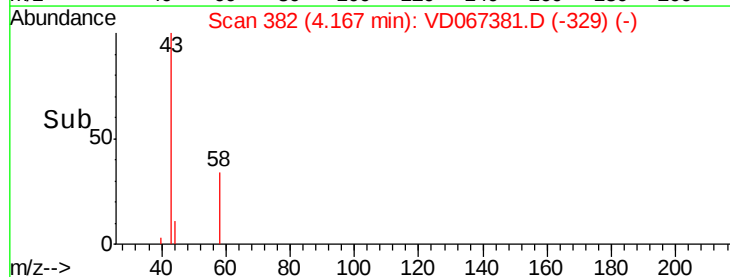
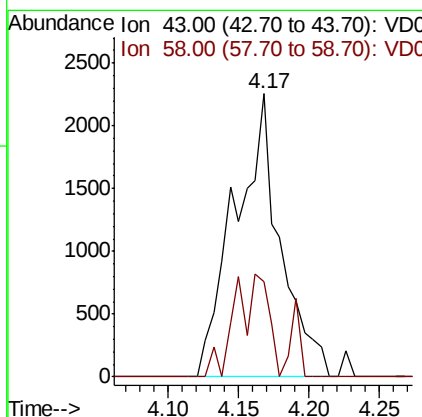
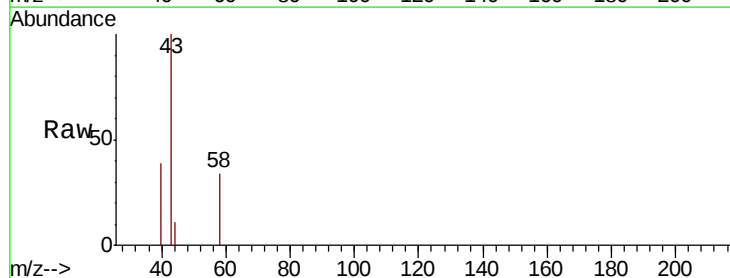
Tot Ion: 59 Resp: 96
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#

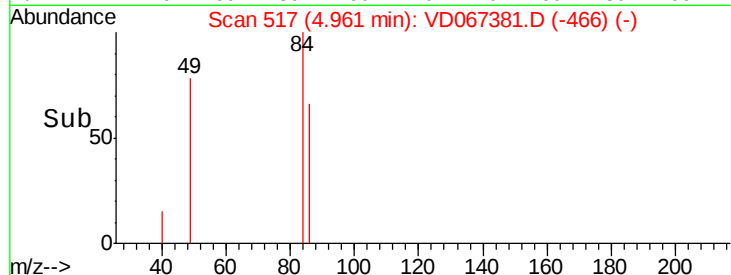
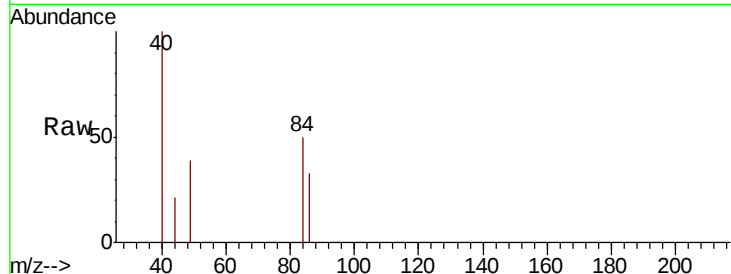
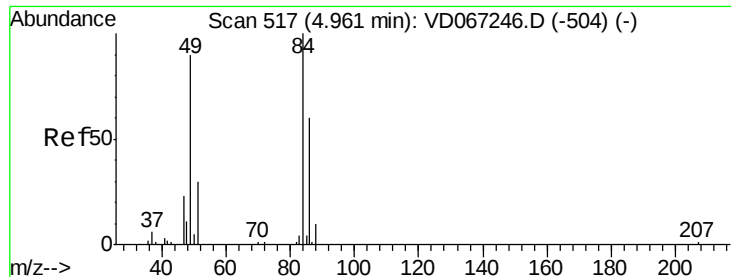


#16

Acetone
 Concen: 11.440 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD067381.D
 Acq: 23 Oct 2020 14:48

Tgt Ion: 43 Resp: 5062
 Ion Ratio Lower Upper
 43 100
 58 33.7 26.1 39.1

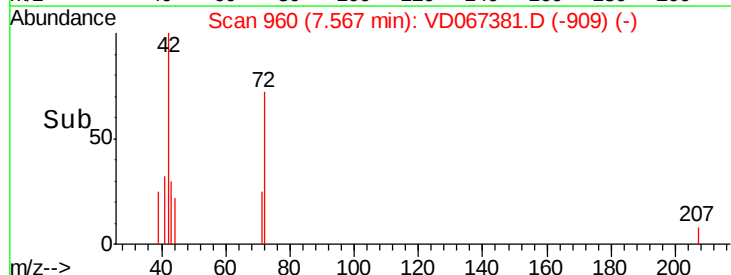
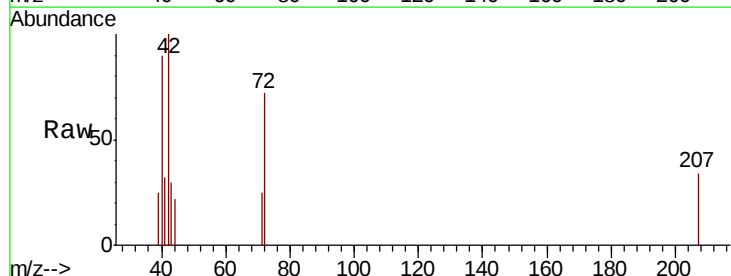
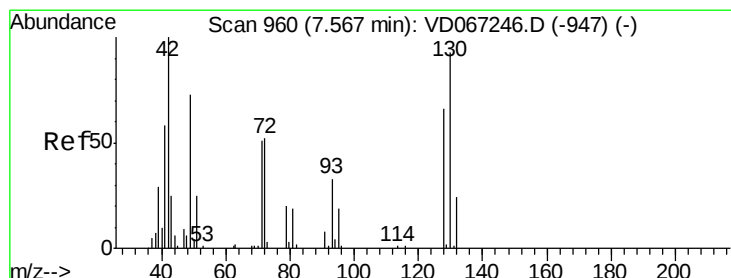
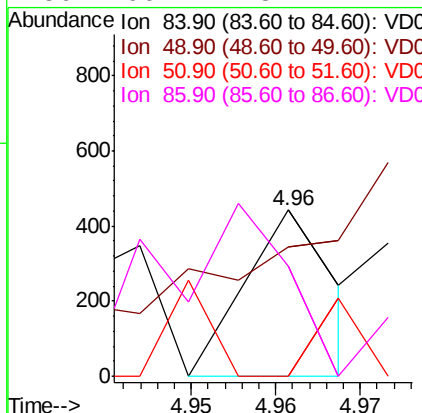




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

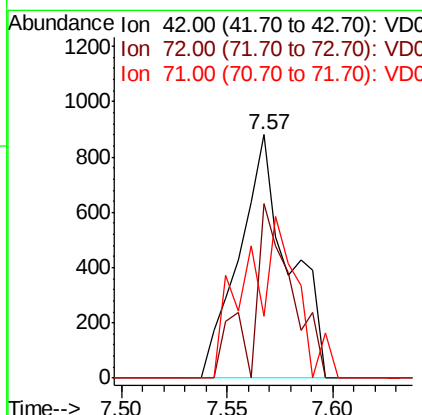
Instrument :
MSVOA_D
ClientSampled :
11935

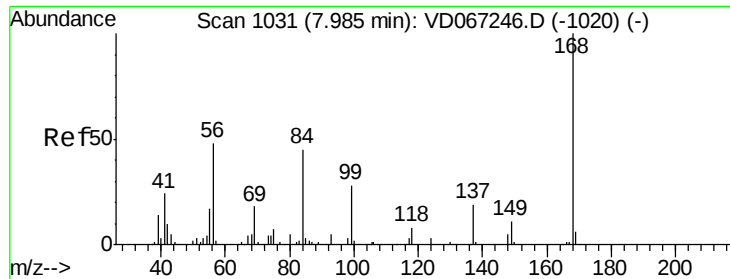
Tot Ion:	84	Resp:	320
Ion	Ratio	Lower	Upper
84	100		
49	12.9	72.2	108.2#
51	0.0	23.8	35.8#
86	66.1	48.2	72.4



#29
Tetrahydrofuran
Concen: 5.168 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

Tgt Ion:	42	Resp:	1449
Ion	Ratio	Lower	Upper
42	100		
72	57.1	43.2	64.8
71	68.6	39.4	59.0#

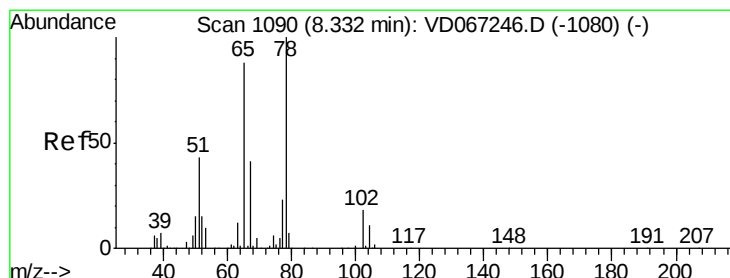
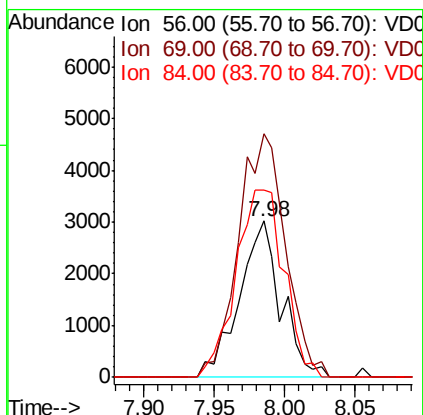
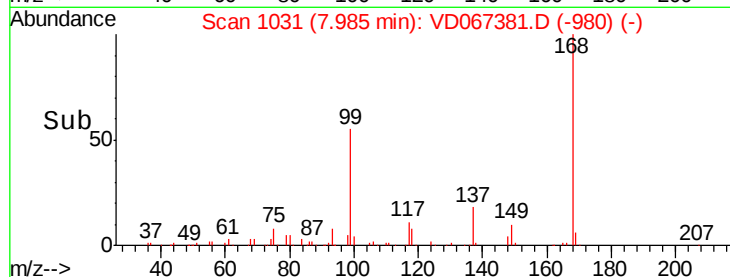
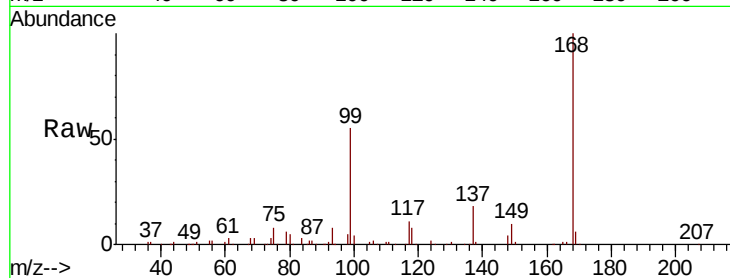




#31
Cyclohexane
Concen: 1.721 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

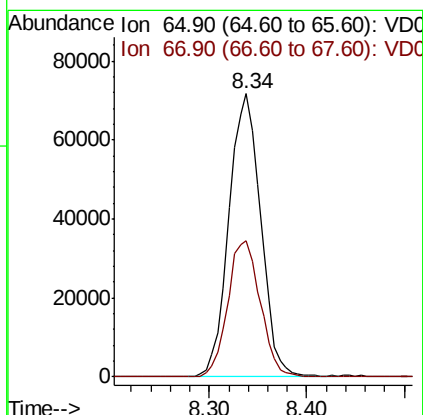
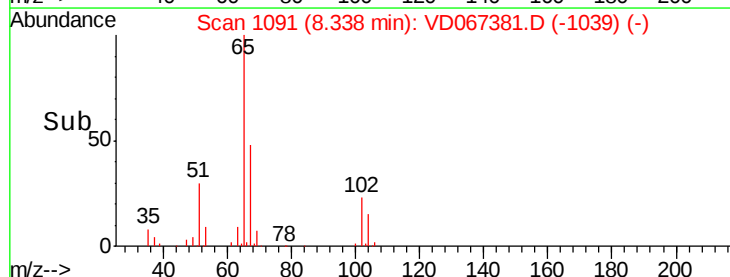
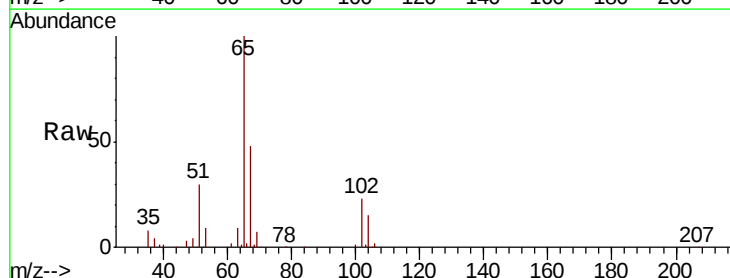
Instrument :
MSVOA_D
ClientSampleId :
11935

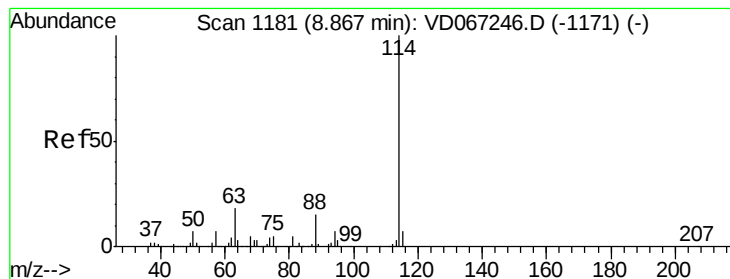
Tot Ion: 56 Resp: 6261
Ion Ratio Lower Upper
56 100
69 155.6 29.8 44.6#
84 119.5 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 51.677 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

Tgt Ion: 65 Resp: 163272
Ion Ratio Lower Upper
65 100
67 48.9 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: VD067381.D

Acq: 23 Oct 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

11935

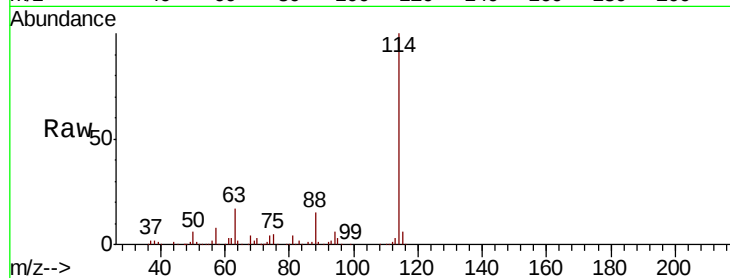
Tot Ion:114 Resp: 504341

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

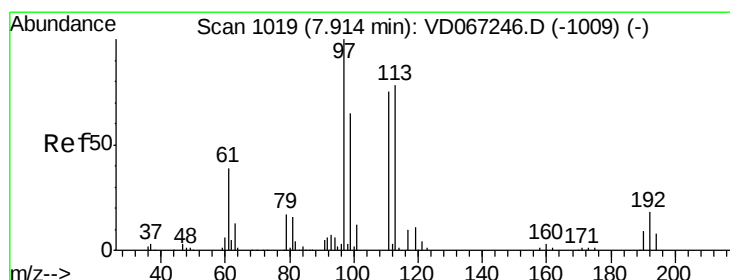
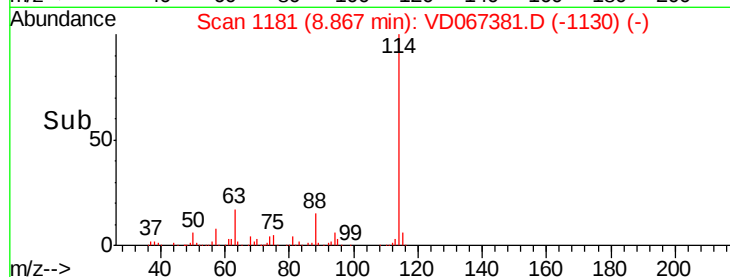
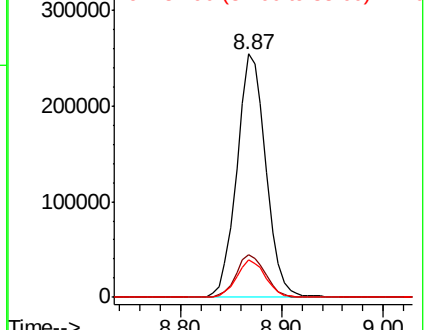
88 15.2 0.0 30.6



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: 49.247 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD067381.D

Acq: 23 Oct 2020 14:48

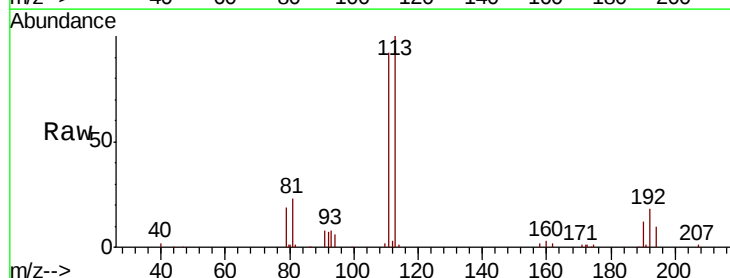
Tgt Ion:113 Resp: 165292

Ion Ratio Lower Upper

113 100

111 99.1 81.6 122.4

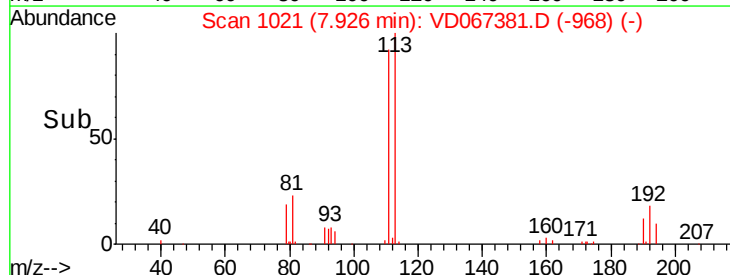
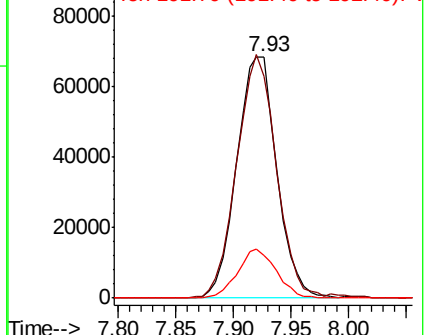
192 19.6 17.0 25.4

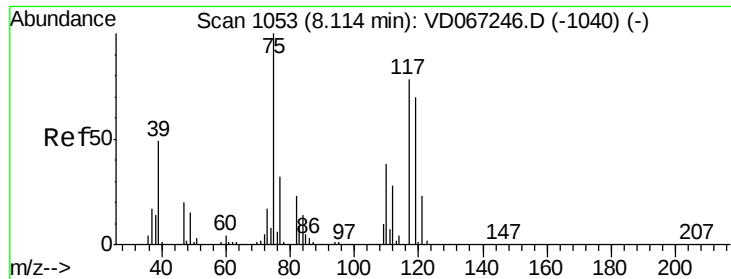


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.305 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067381.D

Acq: 23 Oct 2020 14:48

Instrument :

MSVOA_D

ClientSampleID :

11935

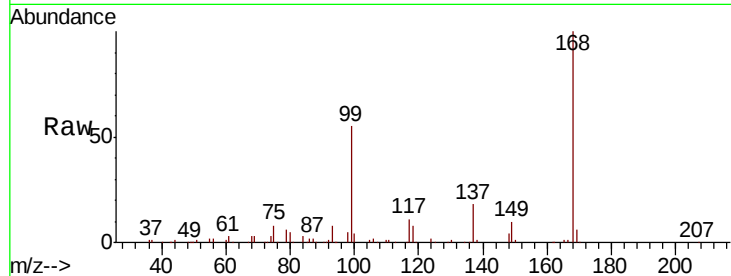
Tot Ion: 75 Resp: 22677

Ion Ratio Lower Upper

75 100

110 11.1 19.6 58.7#

77 0.0 24.6 37.0#

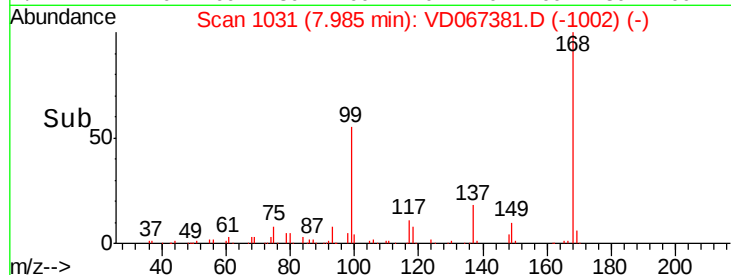


Abundance Ion 74.90 (74.60 to 75.60): VD067246.D (-1040) (-)

Ion 109.90 (109.60 to 110.60): VD067246.D (-1040) (-)

Ion 76.90 (76.60 to 77.60): VD067246.D (-1040) (-)

Time-->

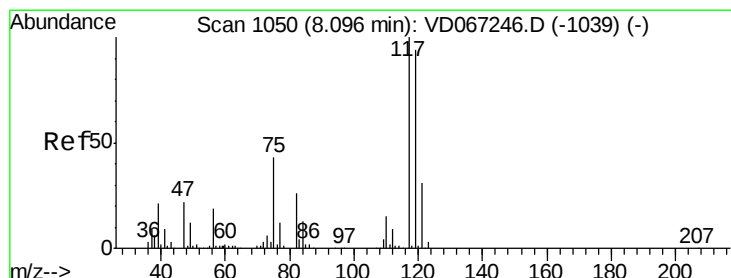


Abundance Ion 74.90 (74.60 to 75.60): VD067246.D (-1040) (-)

Ion 109.90 (109.60 to 110.60): VD067246.D (-1040) (-)

Ion 76.90 (76.60 to 77.60): VD067246.D (-1040) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067381.D

Acq: 23 Oct 2020 14:48

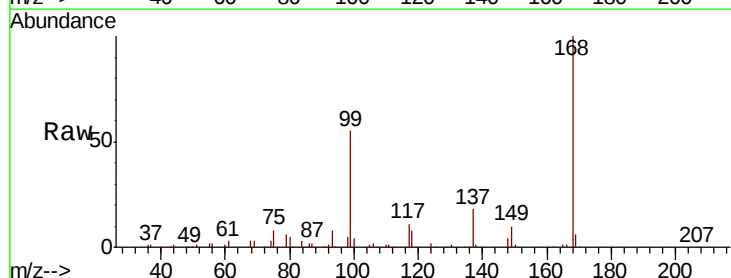
Tgt Ion: 117 Resp: 32544

Ion Ratio Lower Upper

117 100

119 3.4 75.0 112.4#

121 0.0 24.9 37.3#

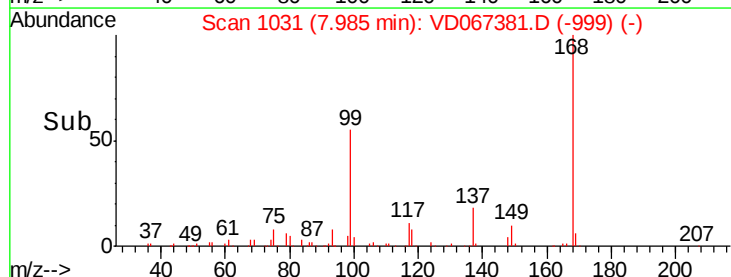


Abundance Ion 116.80 (116.50 to 117.50): VD067246.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD067246.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD067246.D (-1039) (-)

Time-->

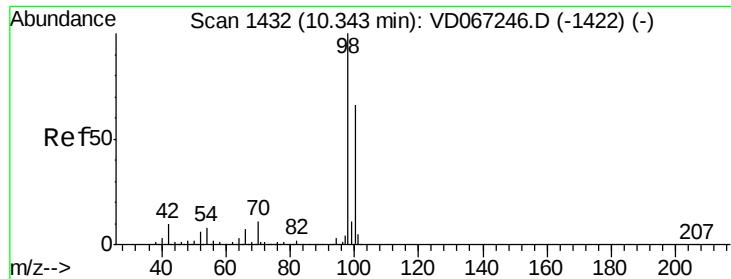


Abundance Ion 116.80 (116.50 to 117.50): VD067246.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD067246.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD067246.D (-1039) (-)

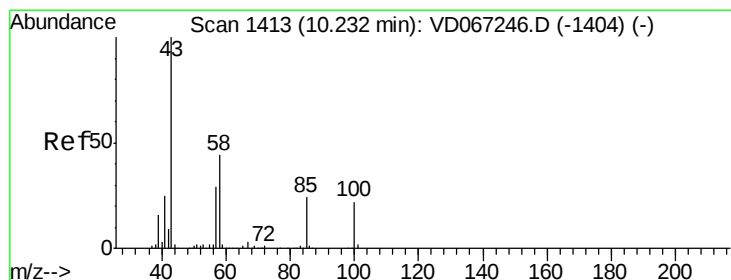
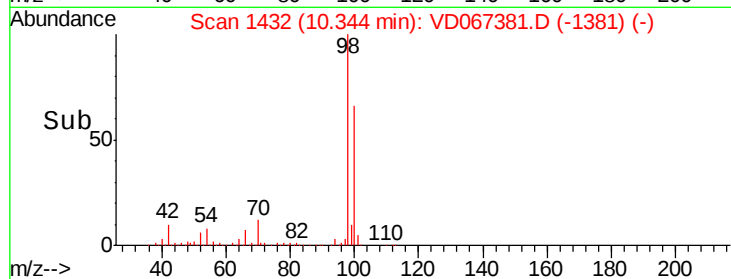
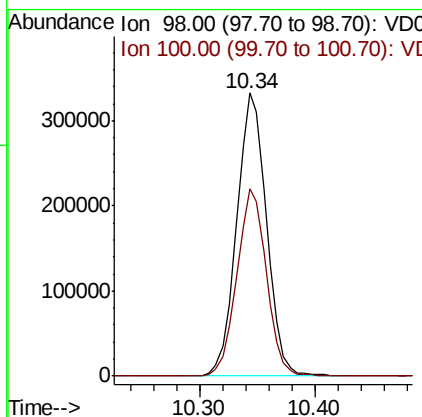
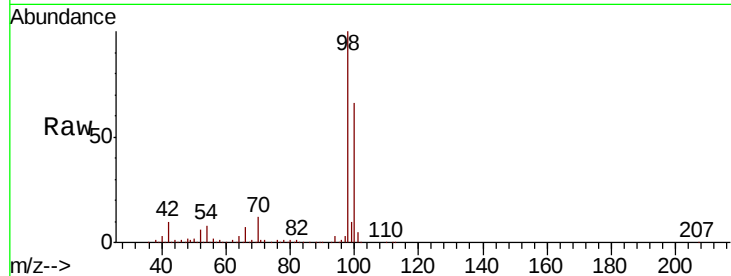
Time-->



#50
Toluene-d8
Concen: 48.896 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

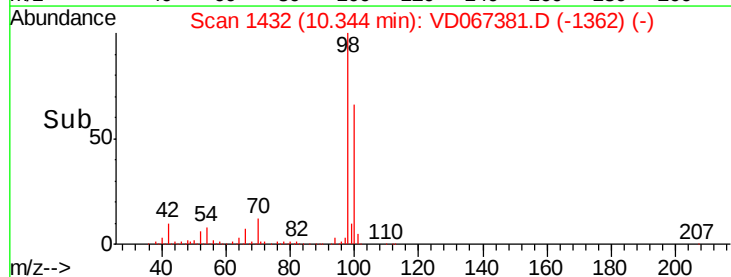
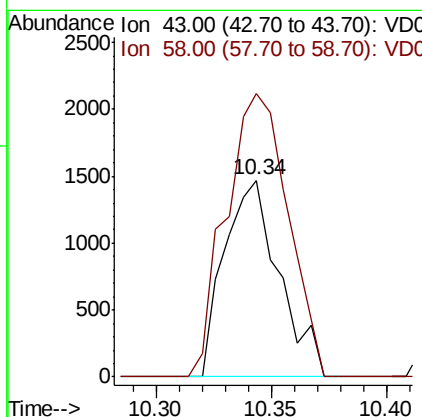
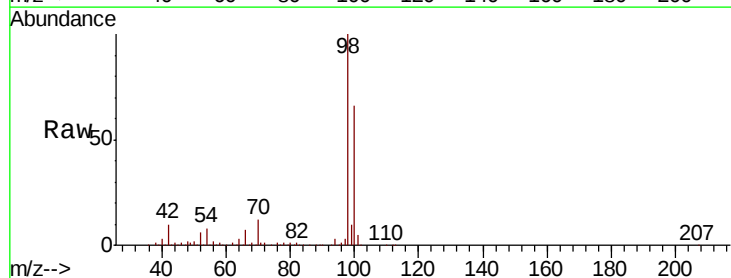
Instrument :
MSVOA_D
ClientSampleId :
11935

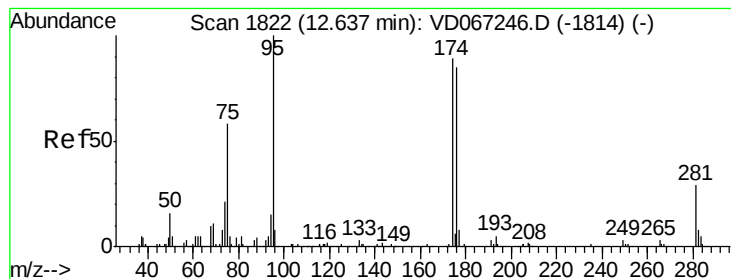
Tot Ion: 98 Resp: 593912
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.947 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
58 164.0 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 47.888 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067381.D

Acq: 23 Oct 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

11935

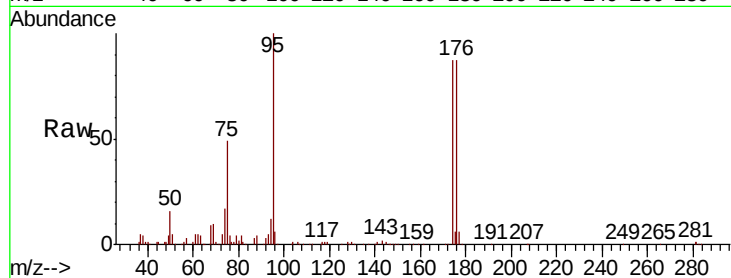
Tot Ion: 95 Resp: 202258

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

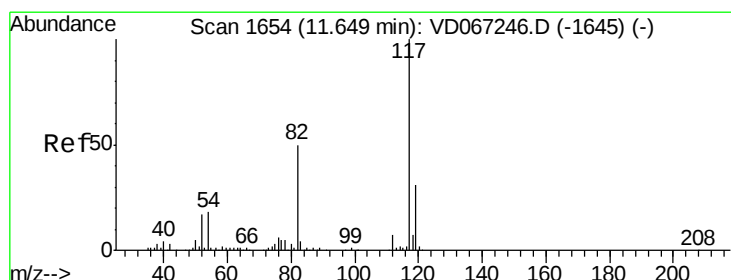
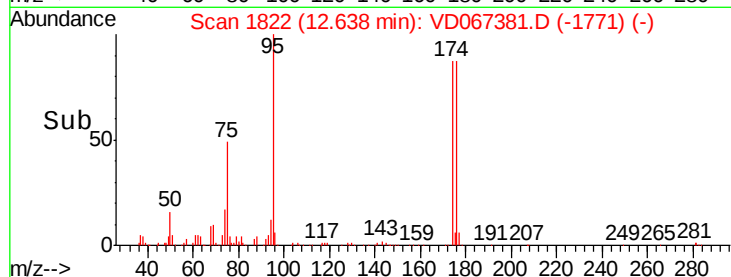
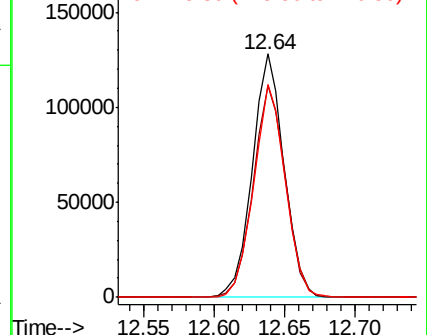
176 87.0 0.0 168.6



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: VD067381.D

Acq: 23 Oct 2020 14:48

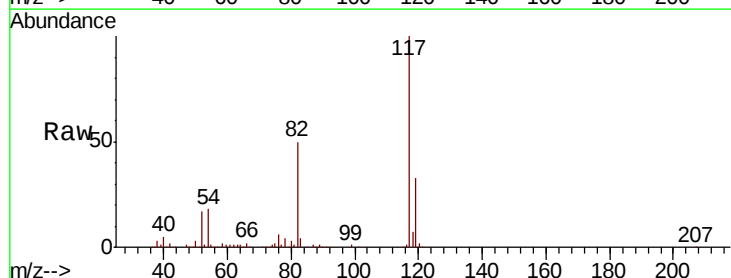
Tgt Ion: 117 Resp: 487907

Ion Ratio Lower Upper

117 100

82 49.7 39.9 59.9

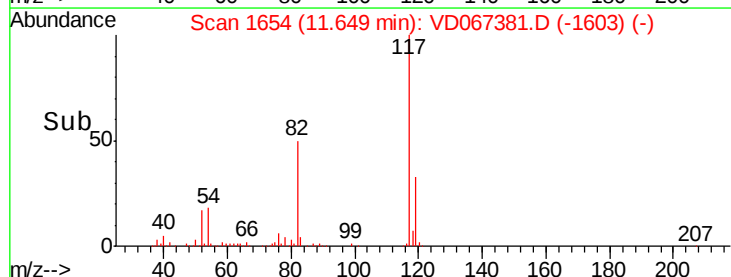
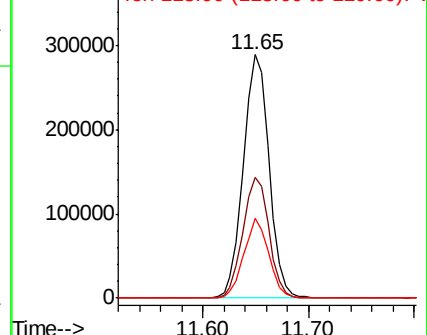
119 32.6 24.9 37.3

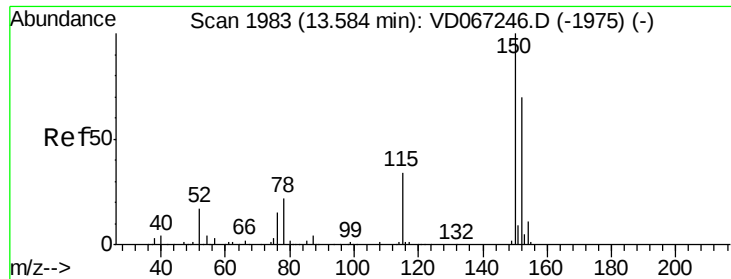


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



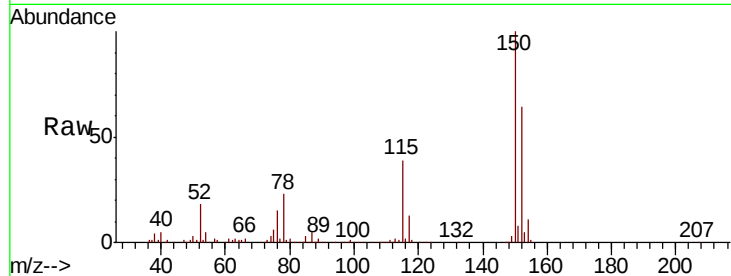


#72

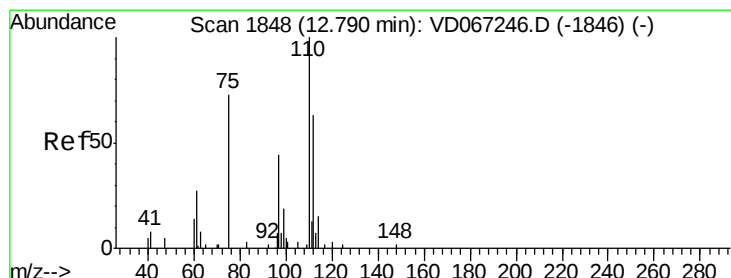
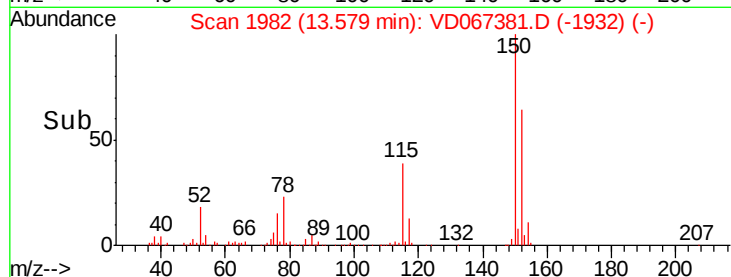
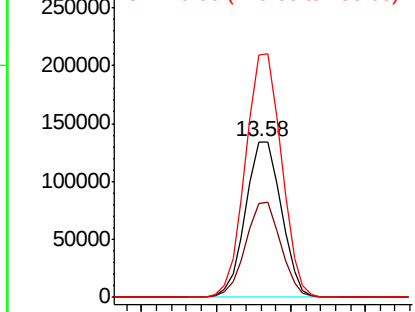
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
11935

Tot Ion:152 Resp: 223236
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 157.5 0.0 339.0



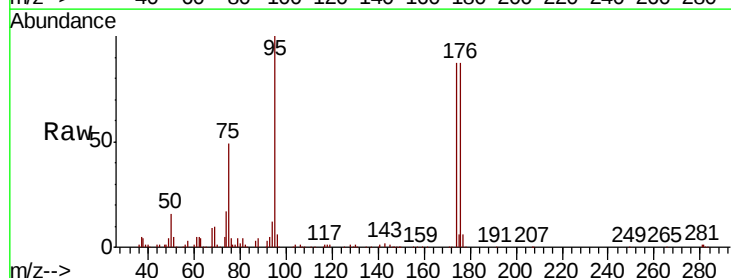
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



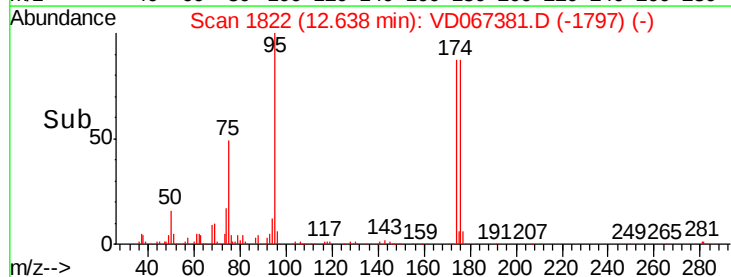
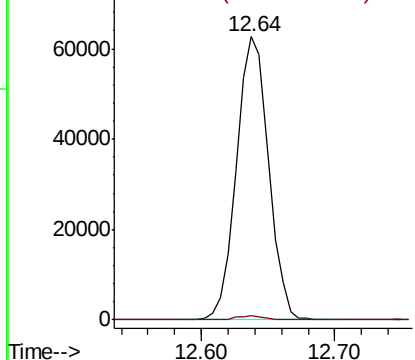
#76

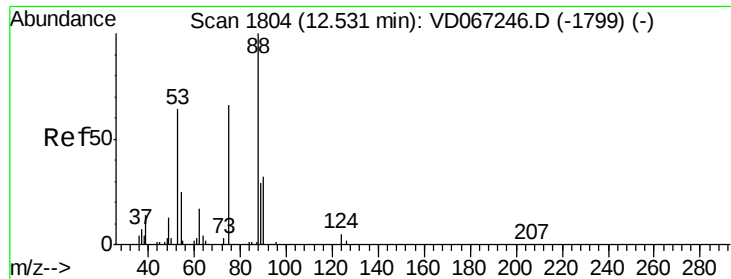
1,2,3-Trichloropropane
Concen: 67.377 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067381.D
Acq: 23 Oct 2020 14:48

Tgt Ion: 75 Resp: 104248
Ion Ratio Lower Upper
75 100
77 1.2 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: 152.791 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067381.D

Acq: 23 Oct 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

11935

Tot Ion: 75 Resp: 104248

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

