

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064898.D
 Acq On : 20 Jan 2020 18:57
 Operator : VA/SY
 Sample : L1189-02RE
 Misc : 4.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:11:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

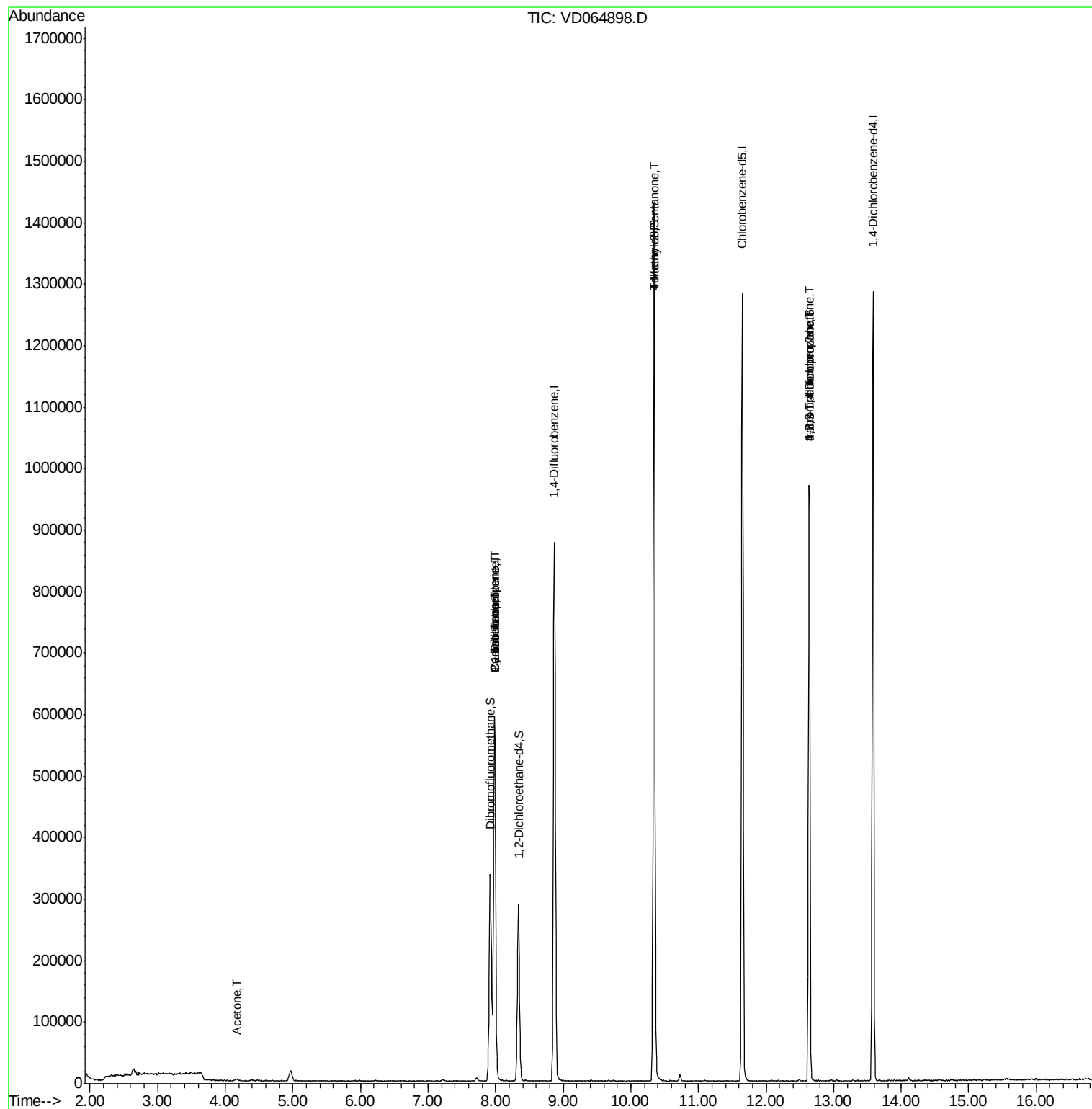
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	449024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	746198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	704998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330170	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	226399	57.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.36%	
35) Dibromofluoromethane	7.93	113	238567	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
50) Toluene-d8	10.34	98	927468	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.64	95	288128	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	1823	6.115	ug/l #	70
20) Methylene Chloride	4.97	84	12031	Below Cal		87
31) Cyclohexane	7.98	56	10091	1.367	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	33905	4.721	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43389	5.666	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	4419	1.592	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	157067	60.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	157067	125.996	ug/l #	10

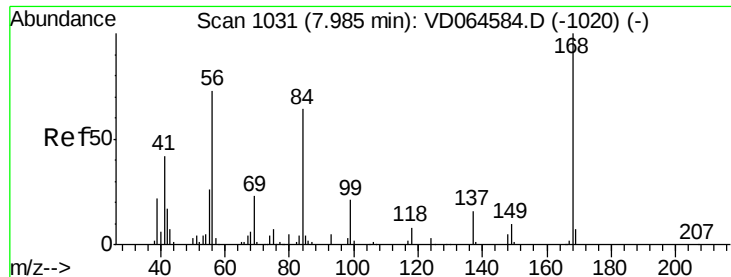
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 24 13:19:06 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

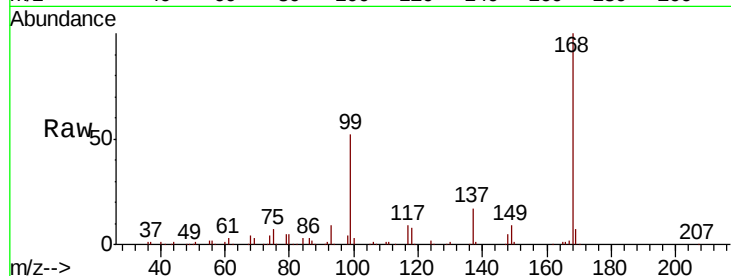
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 449024

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

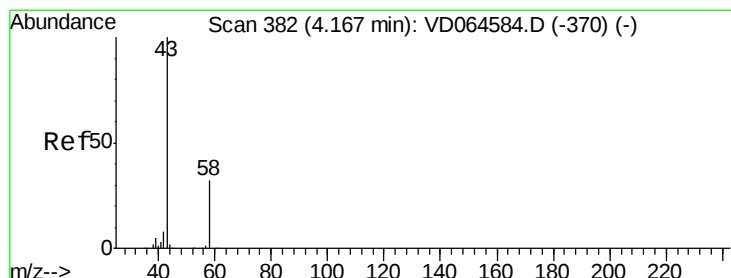
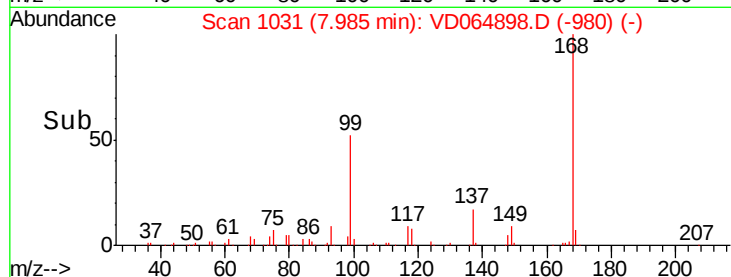
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.115 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064898.D

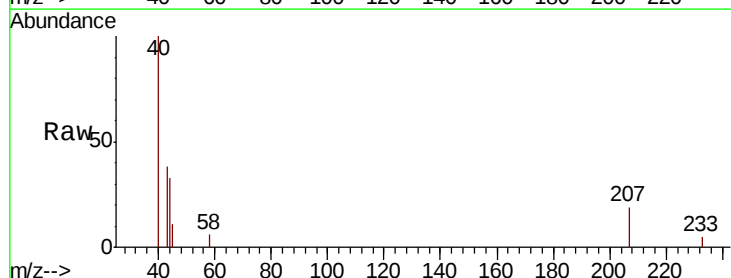
Acq: 20 Jan 2020 18:57

Tgt Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

58 15.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

4.16

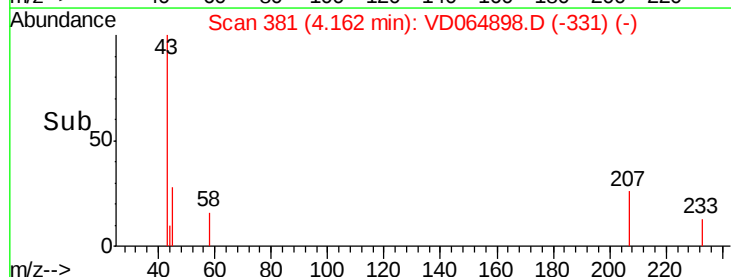
1500

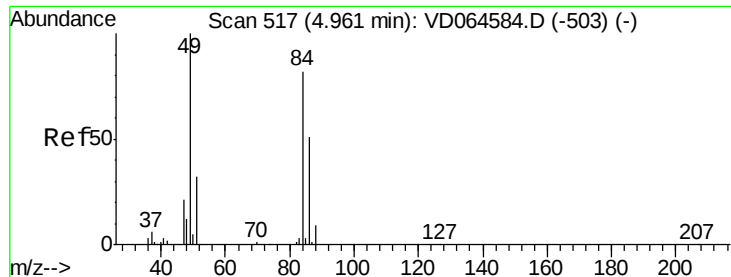
1000

500

0

Time-->

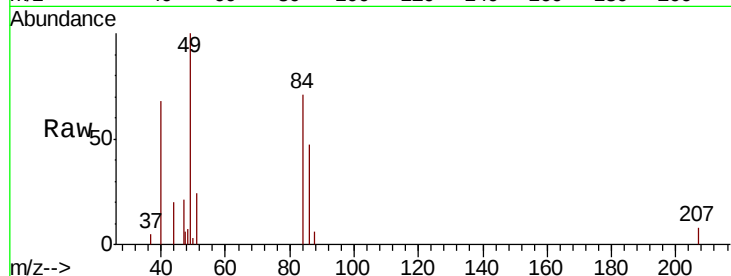




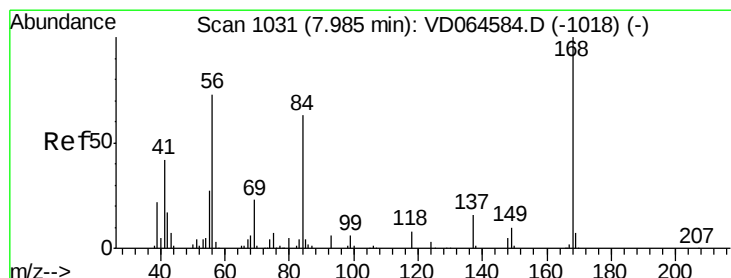
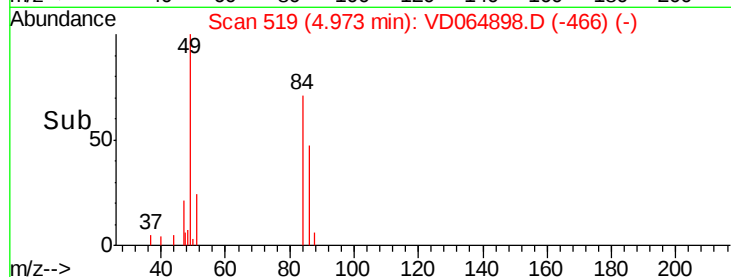
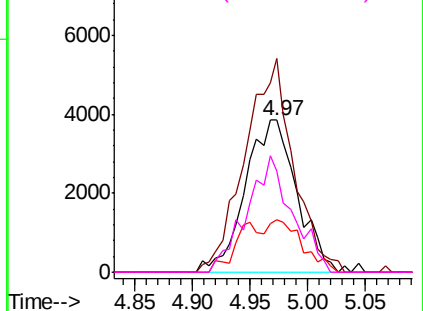
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064898.D
Acq: 20 Jan 2020 18:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 12031
Ion Ratio Lower Upper
84 100
49 140.6 97.2 145.8
51 34.2 31.4 47.0
86 66.6 49.3 73.9

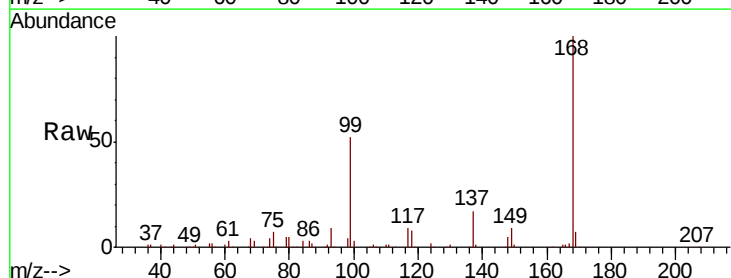


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

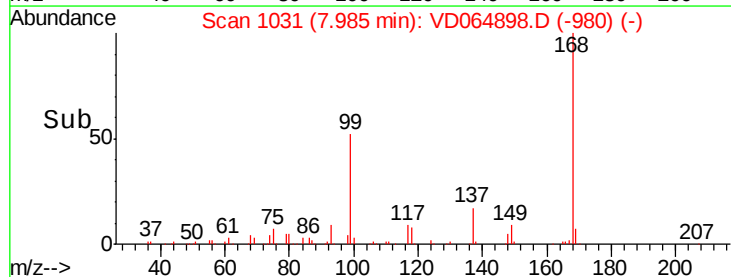
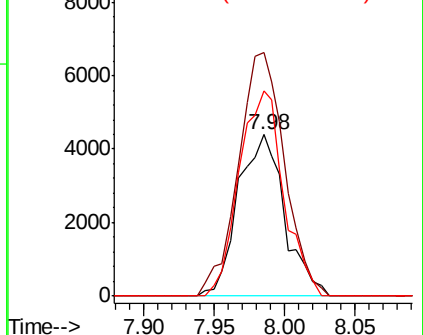


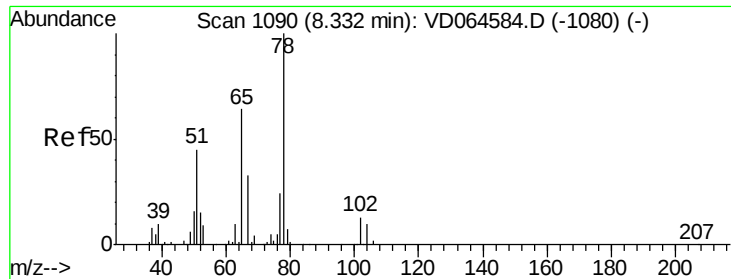
#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064898.D
Acq: 20 Jan 2020 18:57

Tgt Ion: 56 Resp: 10091
Ion Ratio Lower Upper
56 100
69 150.8 24.7 37.1#
84 127.2 69.4 104.2#



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

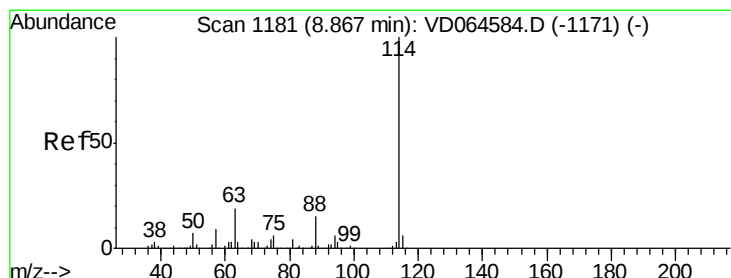
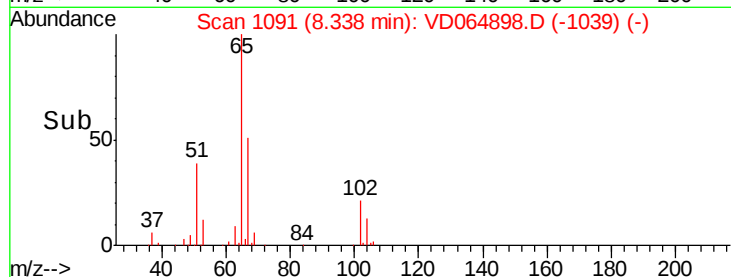
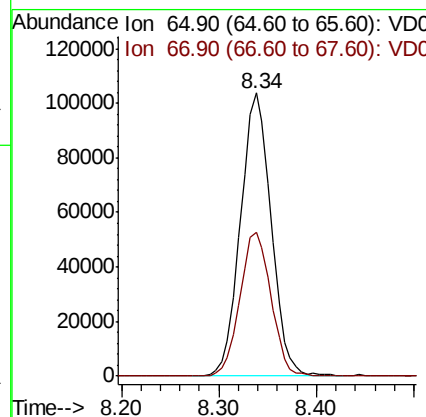
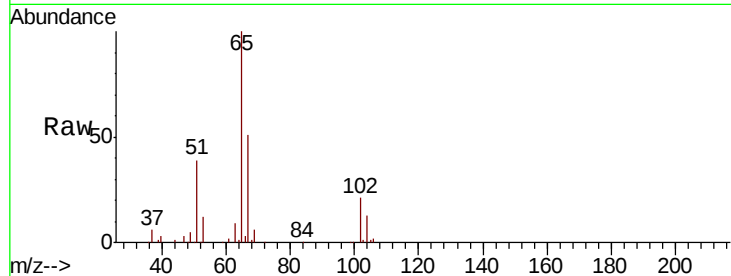




#33
 1,2-Dichloroethane-d4
 Concen: 57.180 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064898.D
 Acq: 20 Jan 2020 18:57

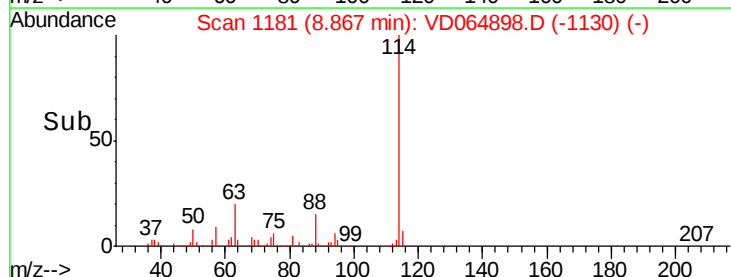
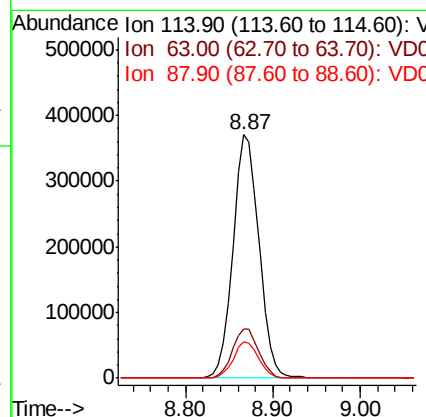
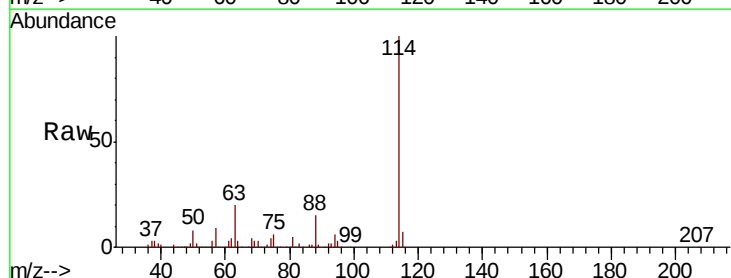
Instrument :
 MSVOA_D
 ClientSampleId :

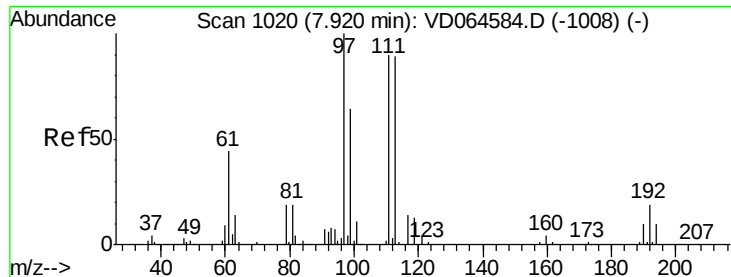
Tot Ion: 65 Resp: 226399
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064898.D
 Acq: 20 Jan 2020 18:57

Tgt Ion: 114 Resp: 746198
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.0
 88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.111 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

Instrument :

MSVOA_D

ClientSampled :

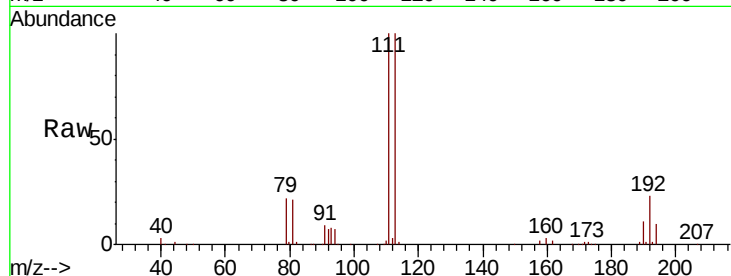
Tot Ion:113 Resp: 238567

Ion Ratio Lower Upper

113 100

111 101.8 80.6 121.0

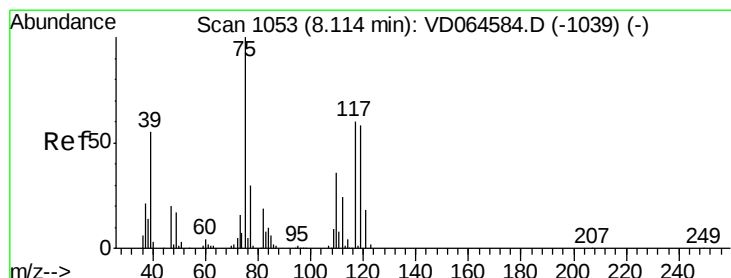
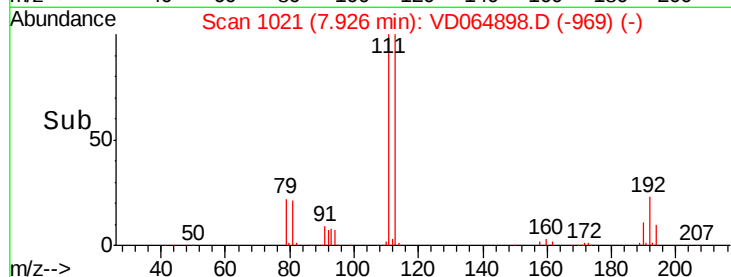
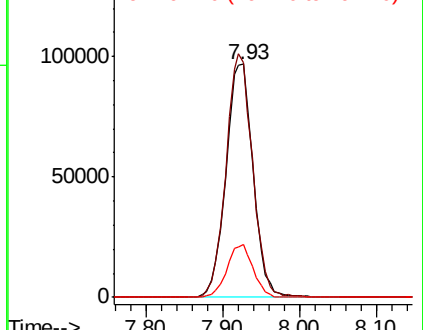
192 21.7 17.9 26.9



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: 4.721 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

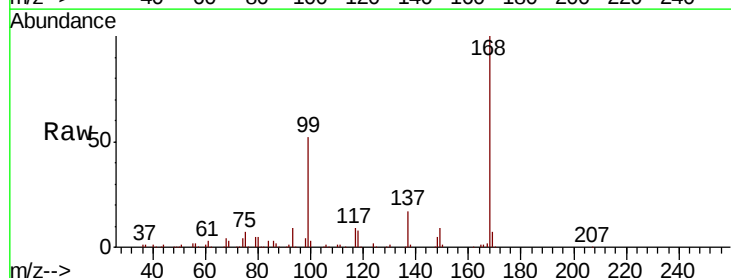
Tgt Ion: 75 Resp: 33905

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

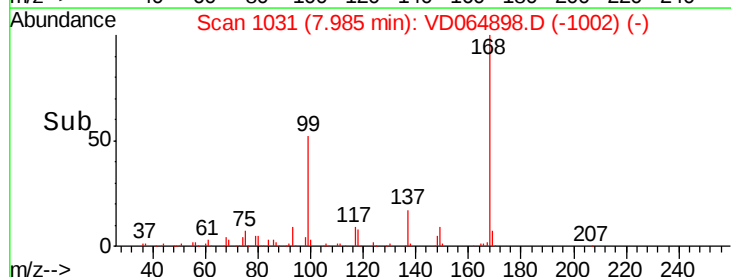
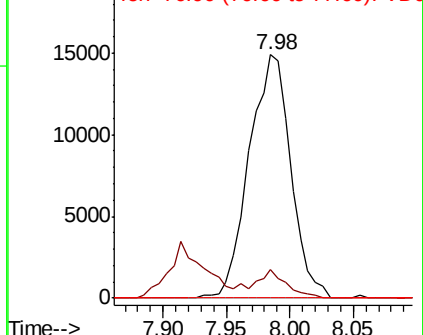
77 0.0 24.2 36.4#

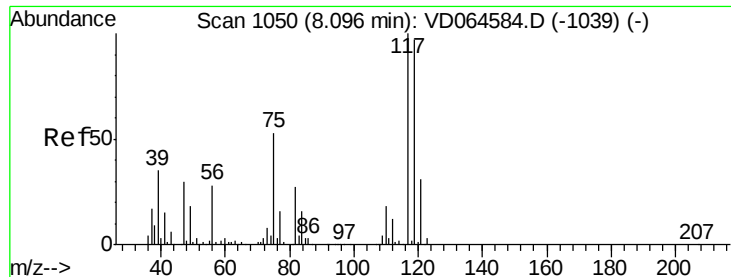


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

Instrument :

MSVOA_D

ClientSampled :

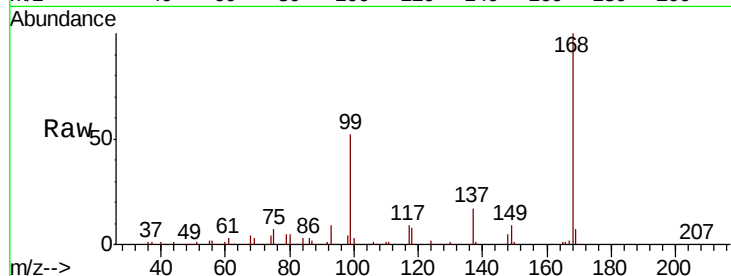
Tot Ion:117 Resp: 43389

Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

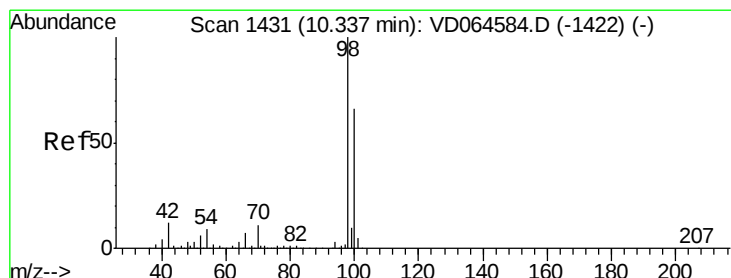
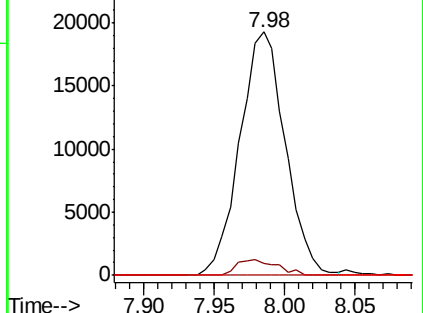
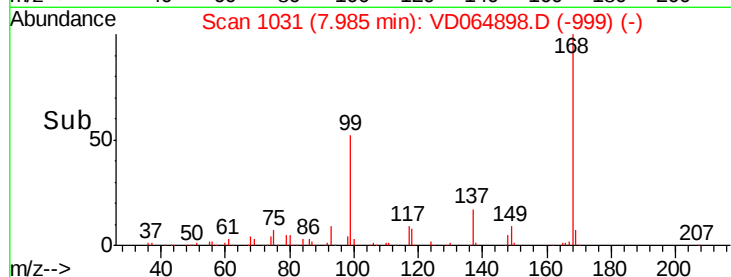
121 0.0 25.0 37.6#



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: 52.897 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064898.D

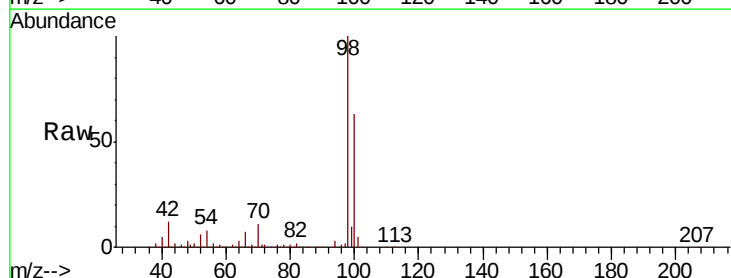
Acq: 20 Jan 2020 18:57

Tgt Ion: 98 Resp: 927468

Ion Ratio Lower Upper

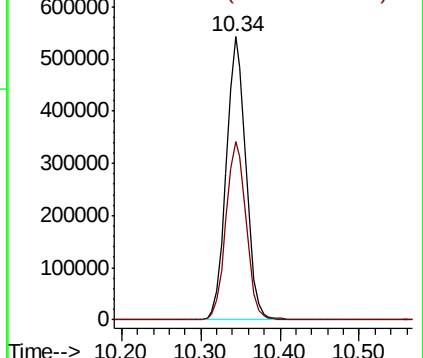
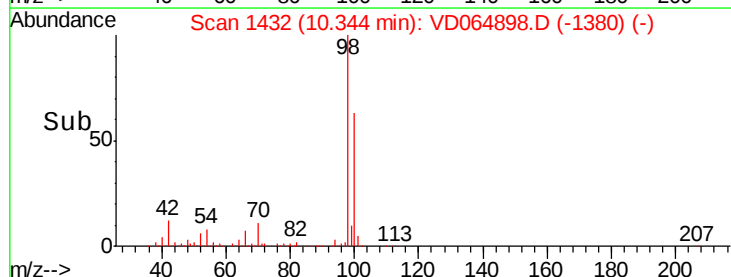
98 100

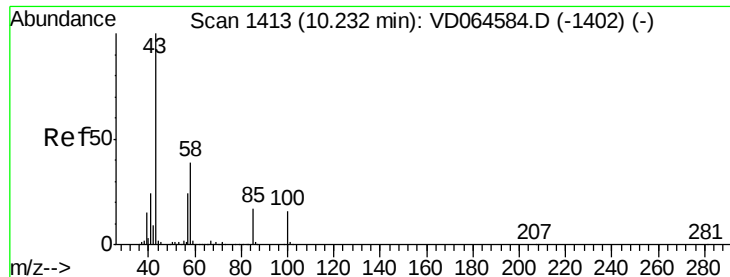
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.592 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

Instrument :

MSVOA_D

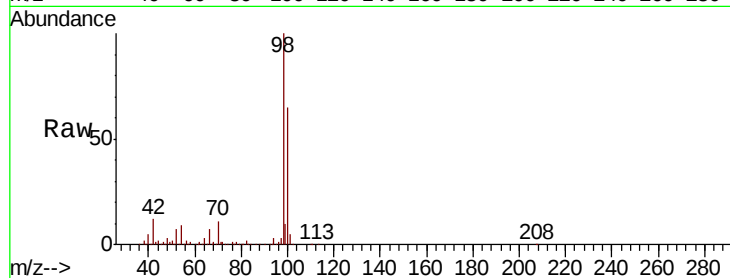
ClientSampled :

Tot Ion: 43 Resp: 4419

Ion Ratio Lower Upper

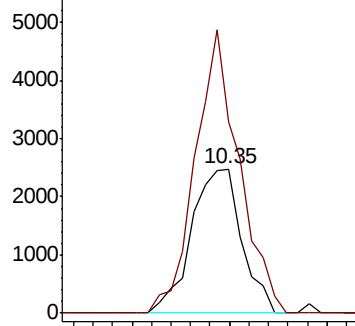
43 100

58 170.5 30.2 45.2#

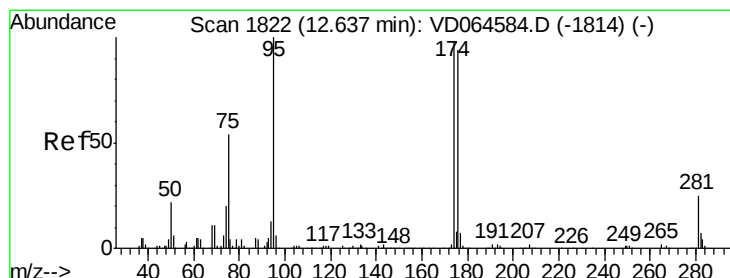
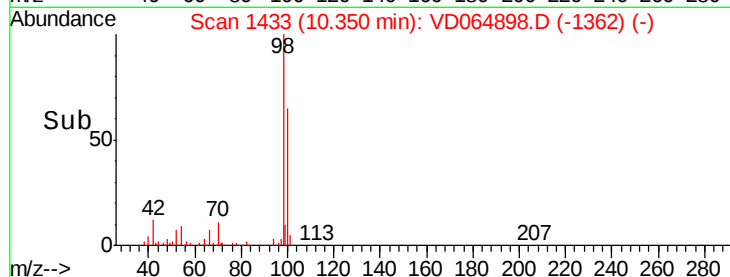


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 51.969 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

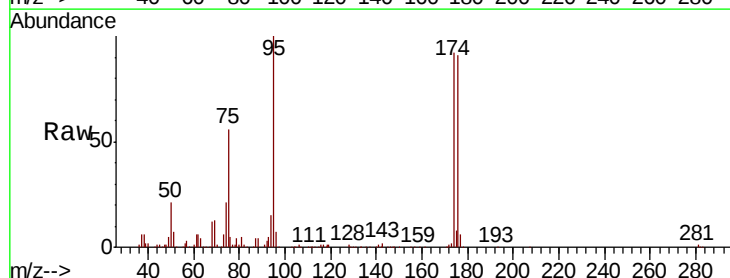
Tgt Ion: 95 Resp: 288128

Ion Ratio Lower Upper

95 100

174 93.3 0.0 193.2

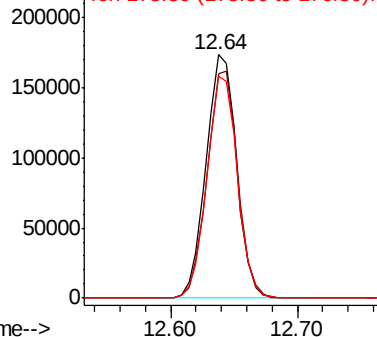
176 91.0 0.0 184.2



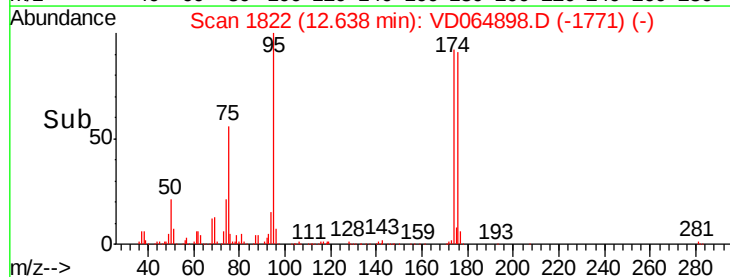
Abundance Ion 94.90 (94.60 to 95.60): VDC

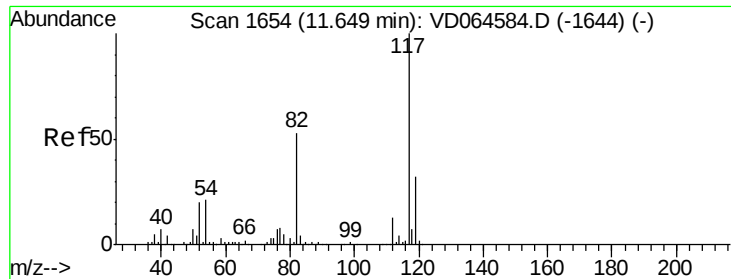
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

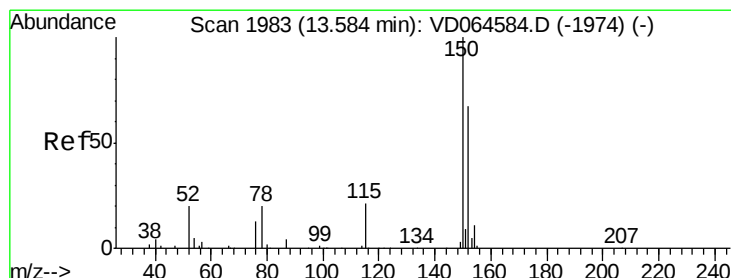
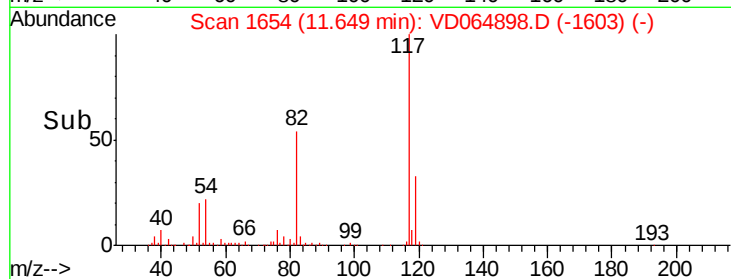
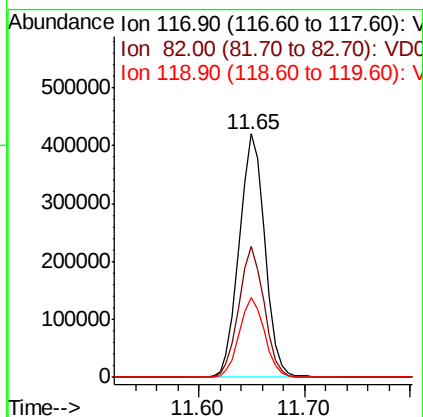
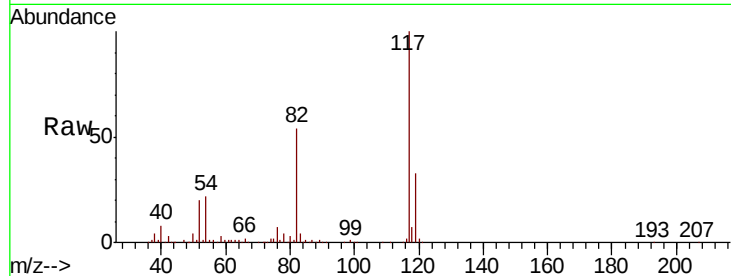




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064898.D
Acq: 20 Jan 2020 18:57

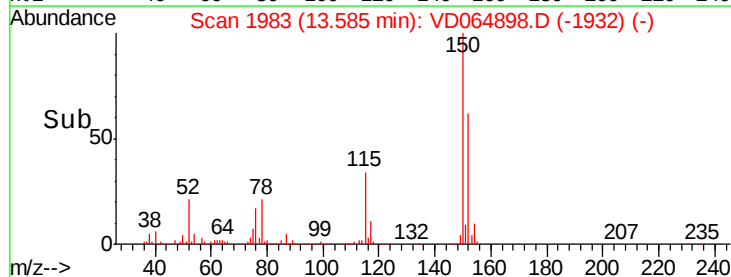
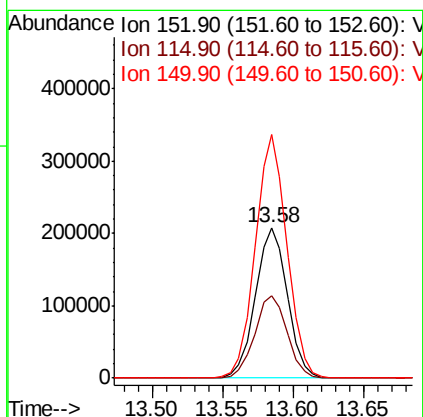
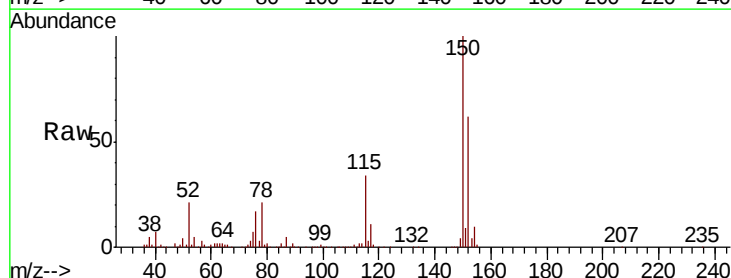
Instrument :
MSVOA_D
ClientSampleId :

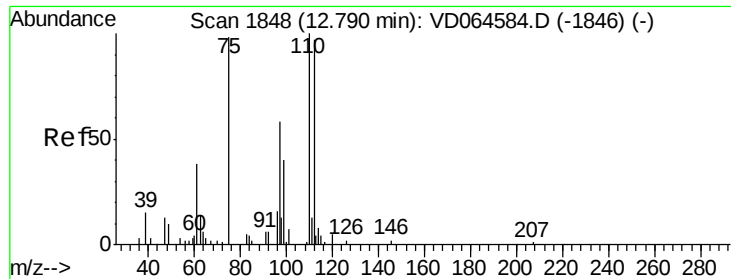
Tot Ion:117 Resp: 704998
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064898.D
Acq: 20 Jan 2020 18:57

Tgt Ion:152 Resp: 330170
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 160.1 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 60.243 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

Instrument :

MSVOA_D

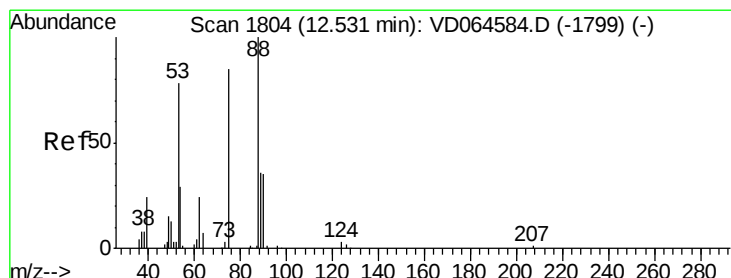
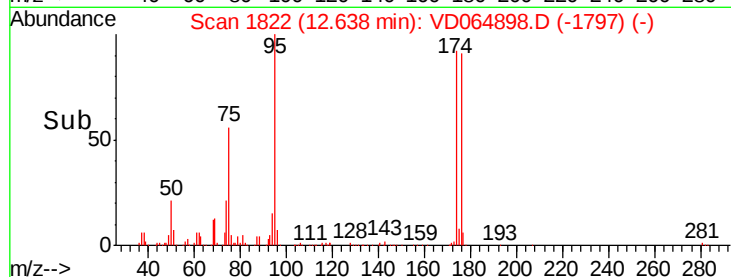
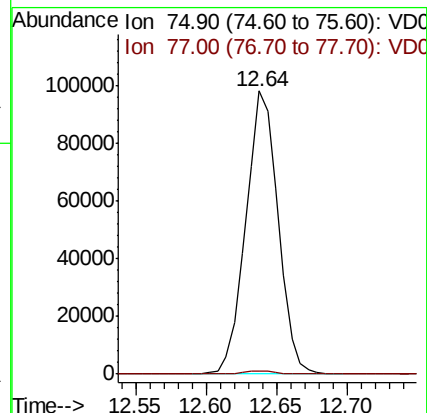
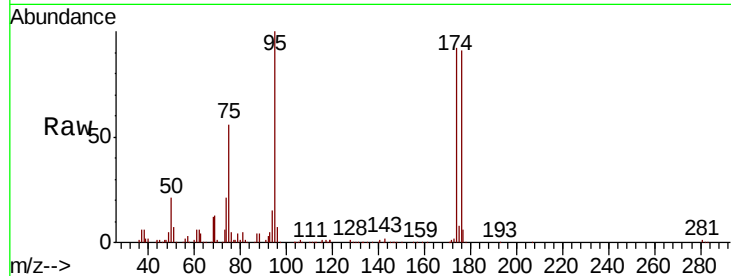
ClientSampled :

Tot Ion: 75 Resp: 157067

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.996 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064898.D

Acq: 20 Jan 2020 18:57

Tgt Ion: 75 Resp: 157067

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#

