

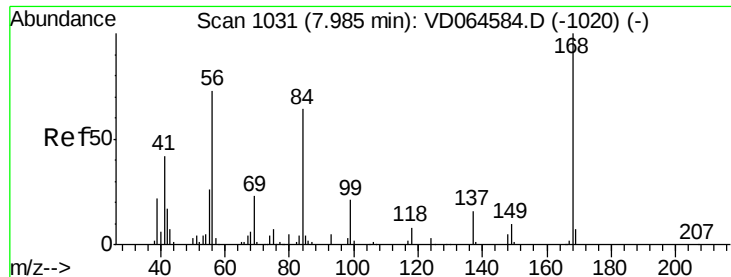
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064890.D
 Acq On : 20 Jan 2020 15:06
 Operator : VA/SY
 Sample : L1189-02
 Misc : 4.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:10:14 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	371809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	623152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	593535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277662	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	200154	61.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.10%	
35) Dibromofluoromethane	7.92	113	206007	53.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.76%	
50) Toluene-d8	10.34	98	754417	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.64	95	243295	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	5889	11.703	ug/l	97
20) Methylene Chloride	4.97	84	12019	Below Cal	#	91
31) Cyclohexane	7.98	56	7800	1.276	ug/l #	7
36) 1,1-Dichloropropene	7.98	75	27282	4.549	ug/l #	49
38) Carbon Tetrachloride	7.98	117	35132	5.493	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	130803	59.657	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	130803	124.770	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: VD064890.D

Acq: 20 Jan 2020 15:06

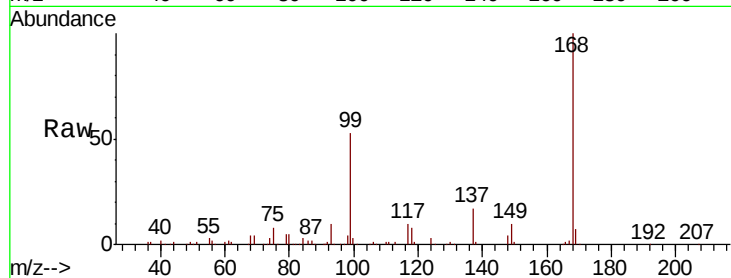
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 371809

Ion Ratio Lower Upper

168 100

99 52.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

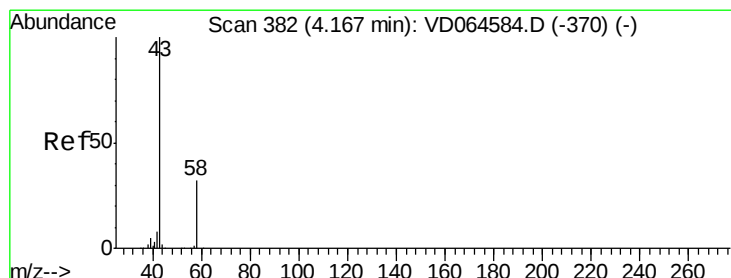
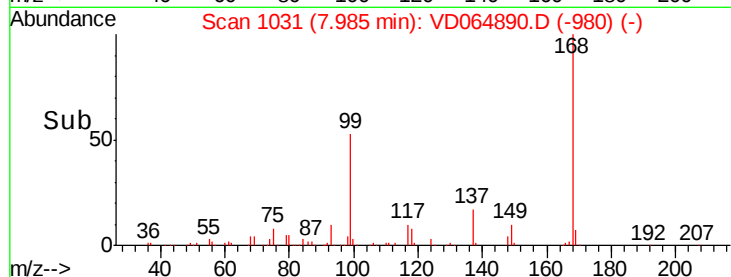
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 11.703 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064890.D

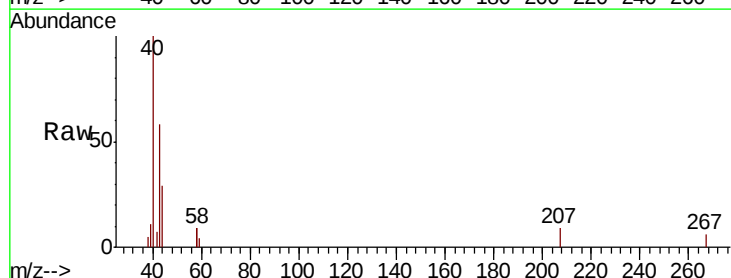
Acq: 20 Jan 2020 15:06

Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

43 100

58 30.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

1500

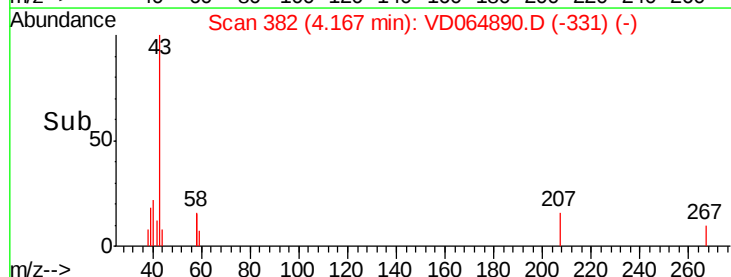
1000

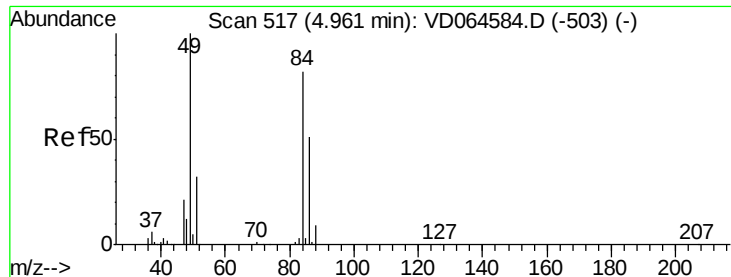
500

0

Time-->

4.10 4.20 4.30

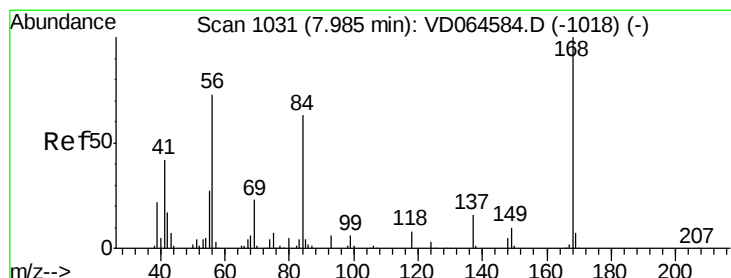
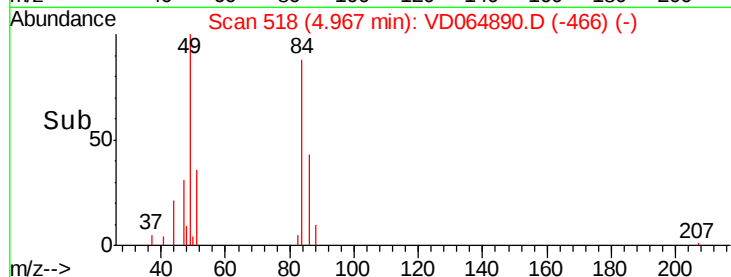
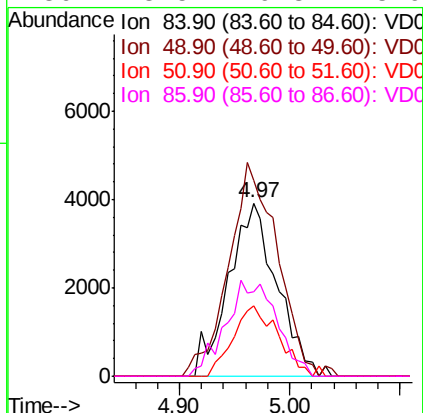
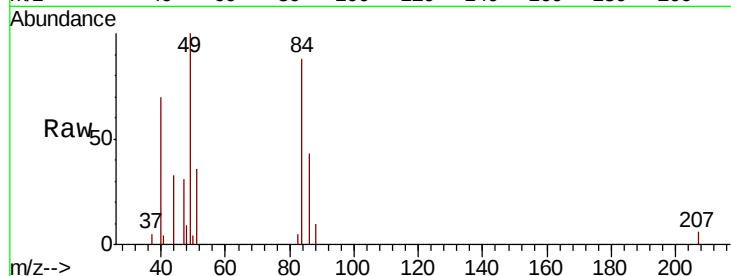




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064890.D
Acq: 20 Jan 2020 15:06

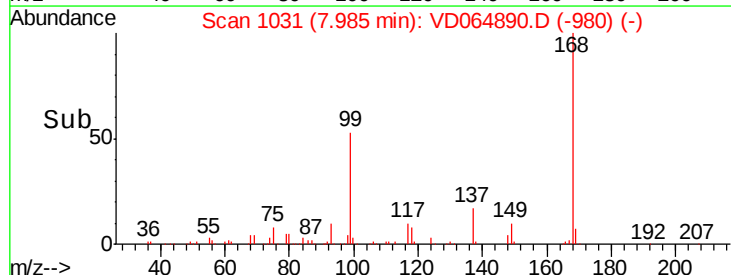
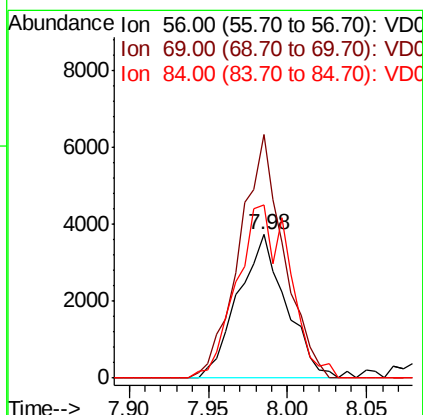
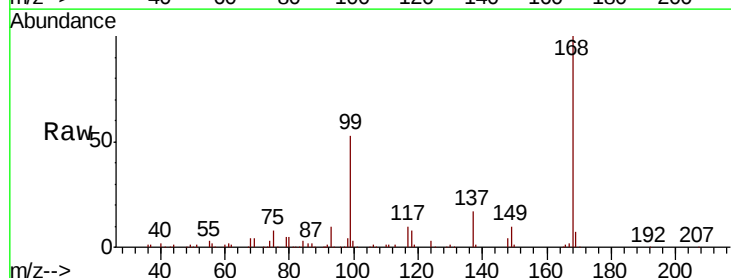
Instrument :
MSVOA_D
ClientSampleId :

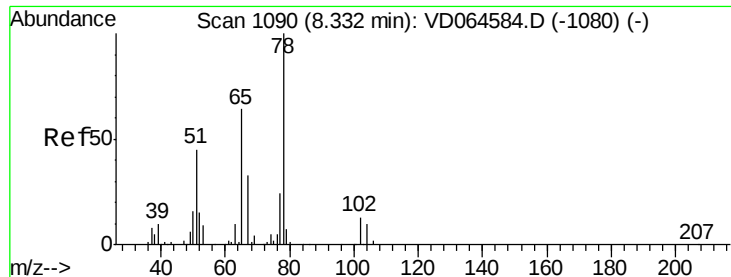
Tot Ion: 84 Resp: 12019
Ion Ratio Lower Upper
84 100
49 113.2 97.2 145.8
51 40.7 31.4 47.0
86 48.5 49.3 73.9#



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064890.D
Acq: 20 Jan 2020 15:06

Tgt Ion: 56 Resp: 7800
Ion Ratio Lower Upper
56 100
69 169.5 24.7 37.1#
84 120.3 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 61.049 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064890.D

Acq: 20 Jan 2020 15:06

Instrument :

MSVOA_D

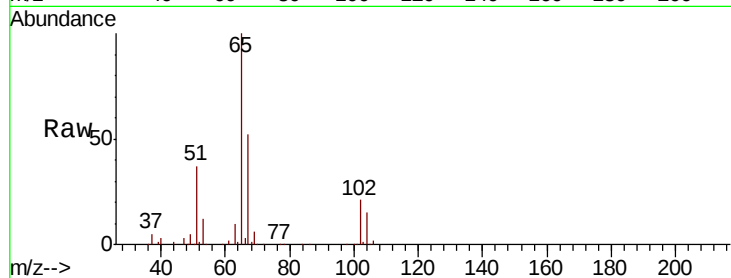
ClientSampleId :

Tot Ion: 65 Resp: 200154

Ion Ratio Lower Upper

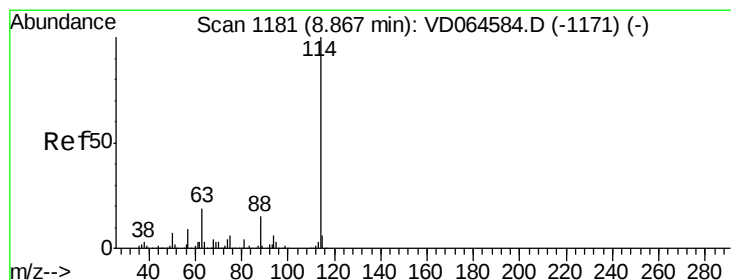
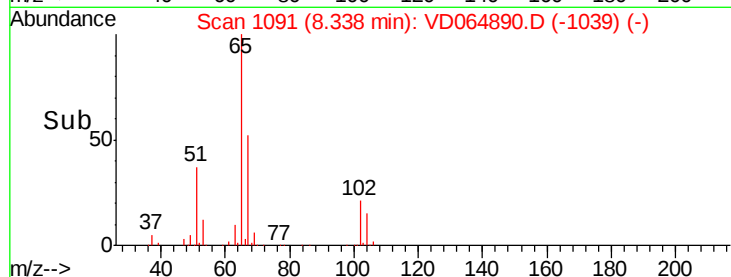
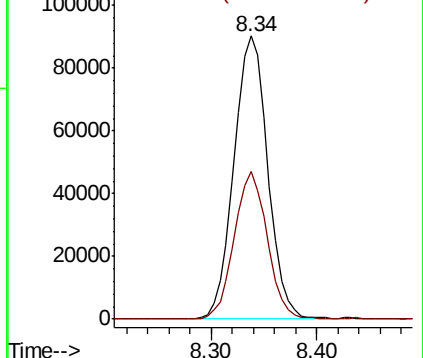
65 100

67 51.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VD064890.D (-1039) (-)

Ion 66.90 (66.60 to 67.60): VD064890.D (-1039) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064890.D

Acq: 20 Jan 2020 15:06

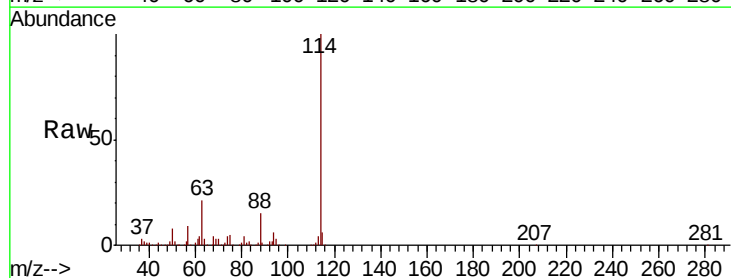
Tgt Ion: 114 Resp: 623152

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

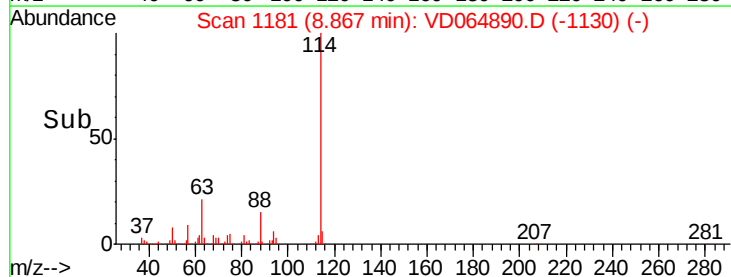
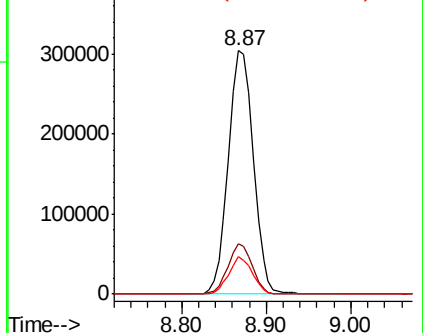
88 15.3 0.0 29.2

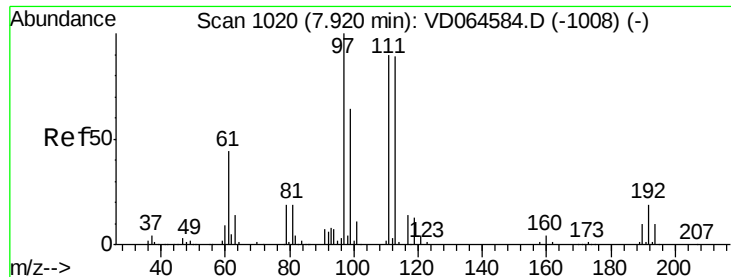


Abundance Ion 113.90 (113.60 to 114.60): VD064890.D (-1130) (-)

Ion 63.00 (62.70 to 63.70): VD064890.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD064890.D (-1130) (-)

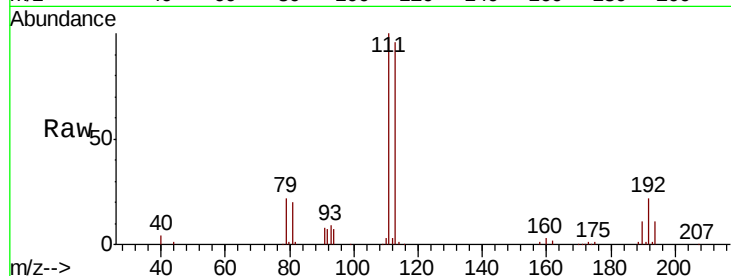




#35
 Dibromofluoromethane
 Concen: 53.884 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064890.D
 Acq: 20 Jan 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.6	121.0
192	21.7	17.9	26.9

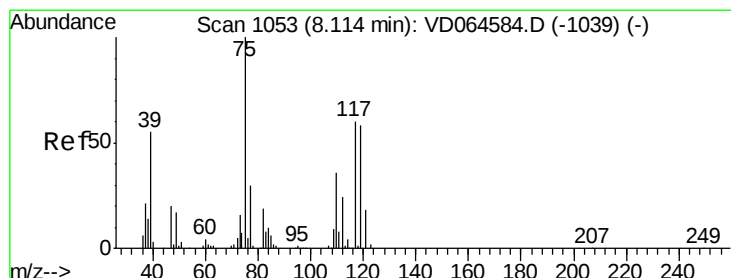
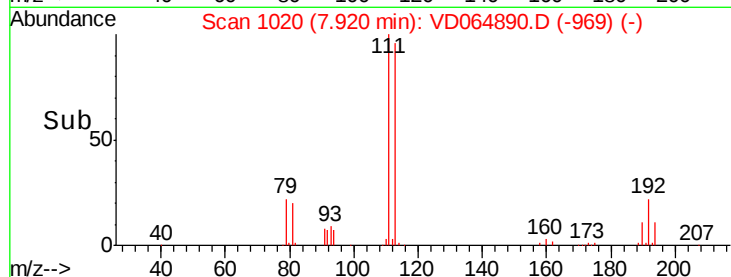
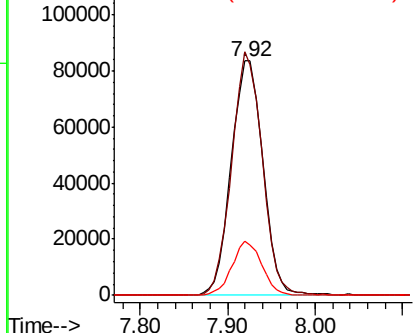


Abundance

Ion 112.80 (112.50 to 113.50): V

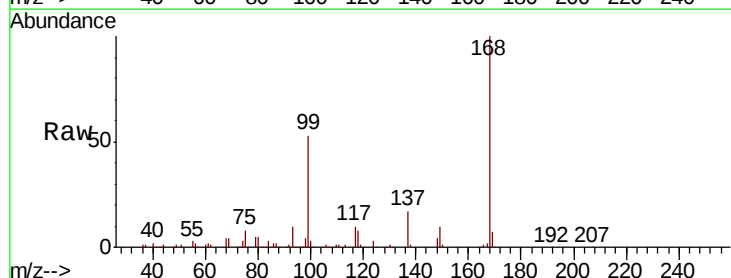
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.549 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064890.D
 Acq: 20 Jan 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.2	24.2	36.4#

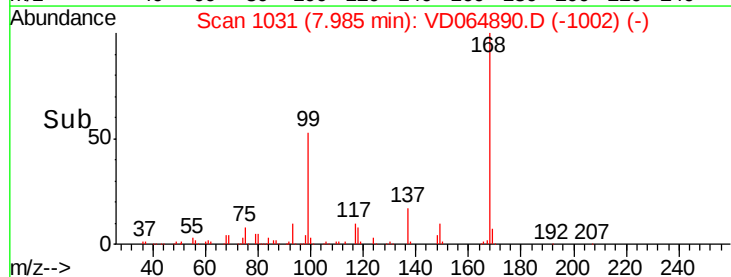
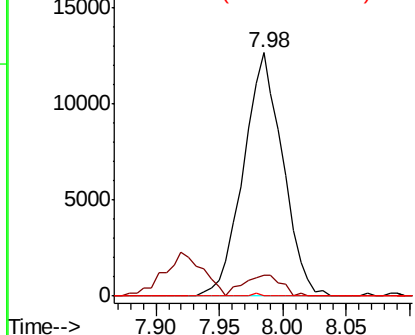


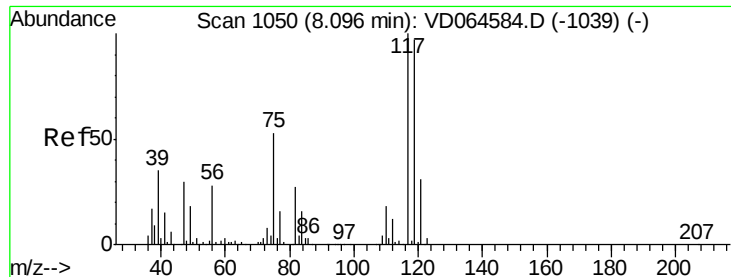
Abundance

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: 5.493 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064890.D

Acq: 20 Jan 2020 15:06

Instrument :

MSVOA_D

ClientSampled :

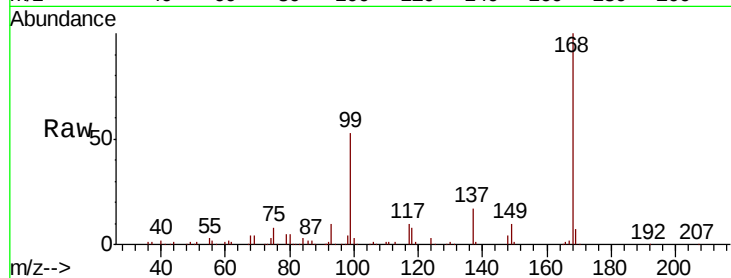
Tot Ion:117 Resp: 35132

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

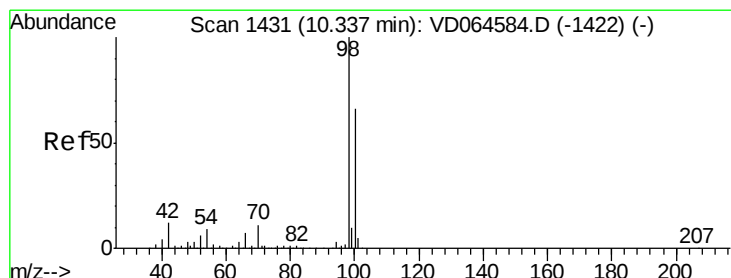
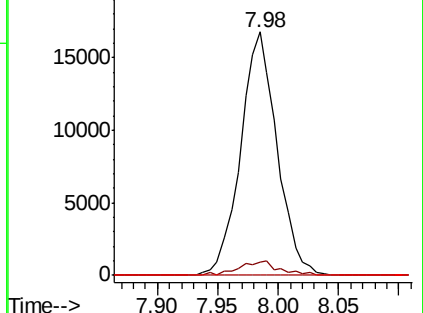
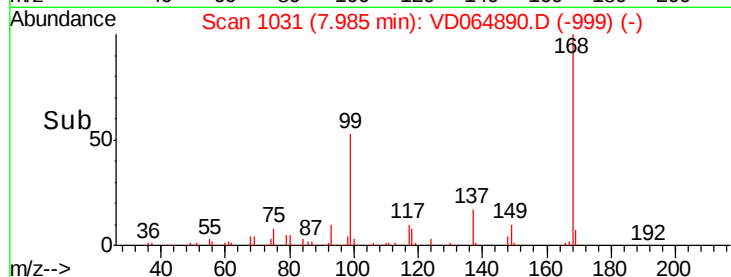
121 0.0 25.0 37.6#



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: 51.523 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064890.D

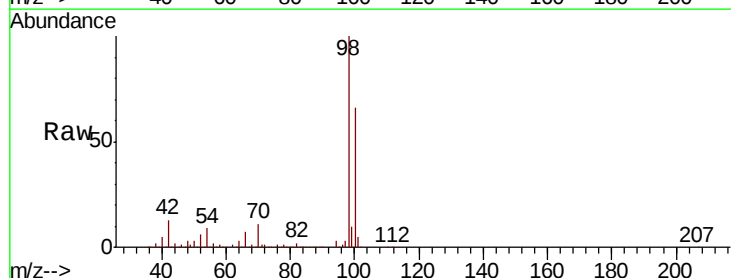
Acq: 20 Jan 2020 15:06

Tgt Ion: 98 Resp: 754417

Ion Ratio Lower Upper

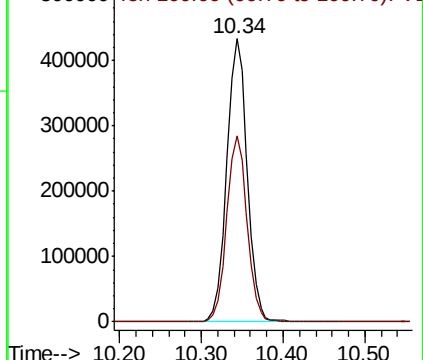
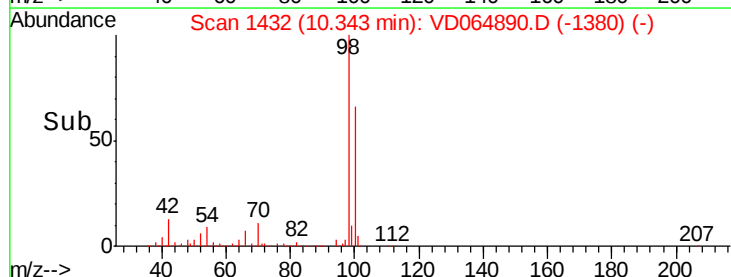
98 100

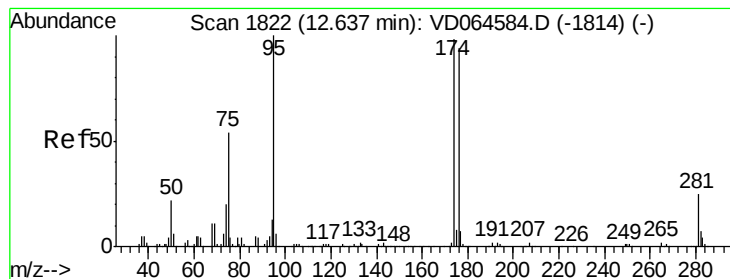
100 65.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.547 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064890.D

Acq: 20 Jan 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

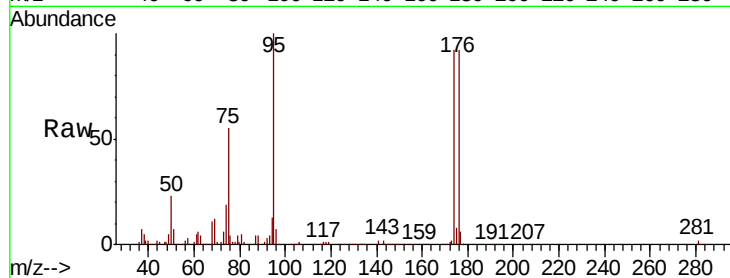
Tot Ion: 95 Resp: 243295

Ion Ratio Lower Upper

95 100

174 93.2 0.0 193.2

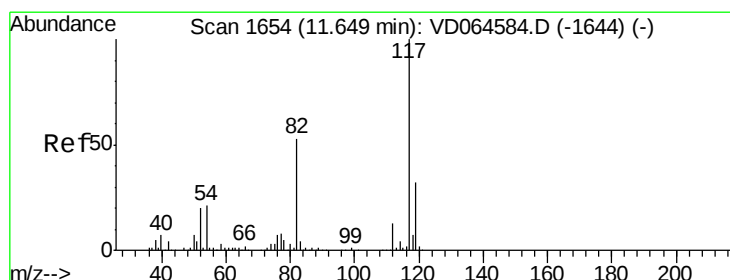
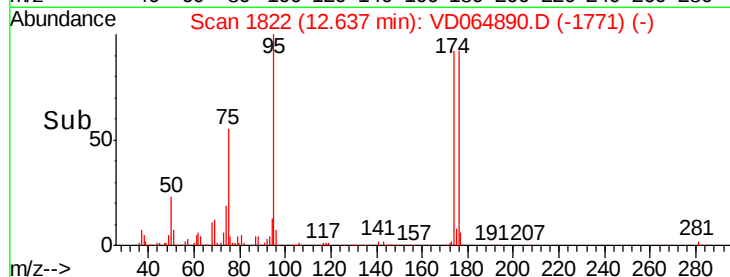
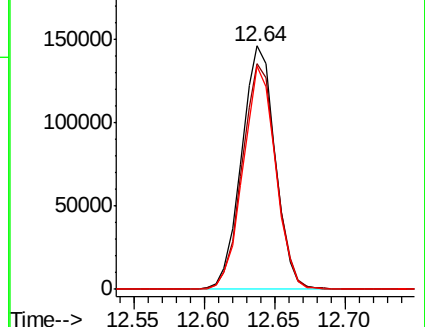
176 88.8 0.0 184.2



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: VD064890.D

Acq: 20 Jan 2020 15:06

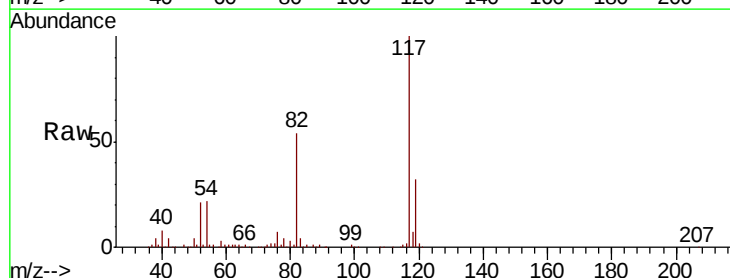
Tgt Ion: 117 Resp: 593535

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

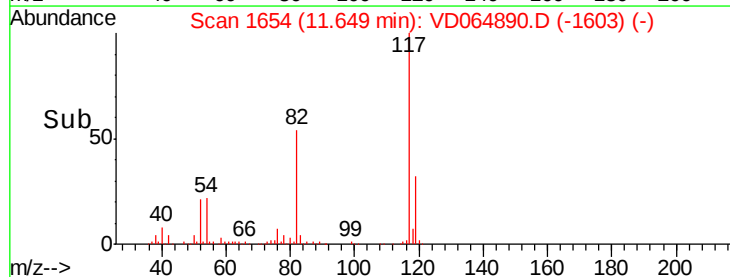
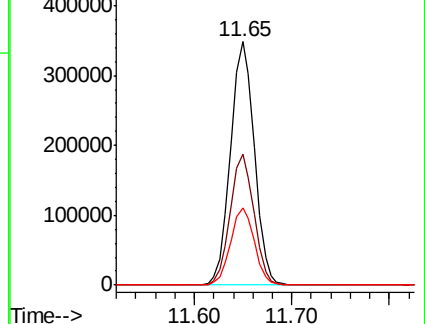
119 31.7 26.0 39.0

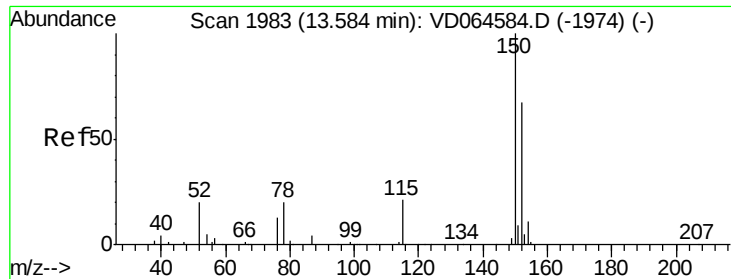


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD064890.D

Acq: 20 Jan 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

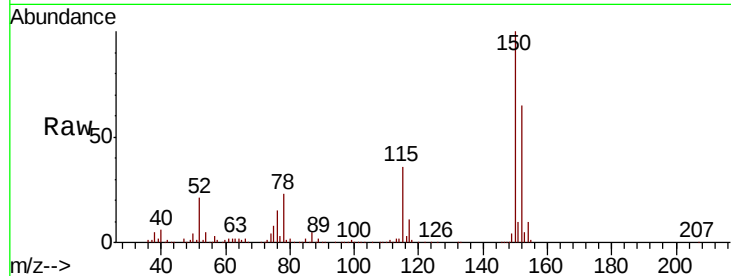
Tot Ion:152 Resp: 277662

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

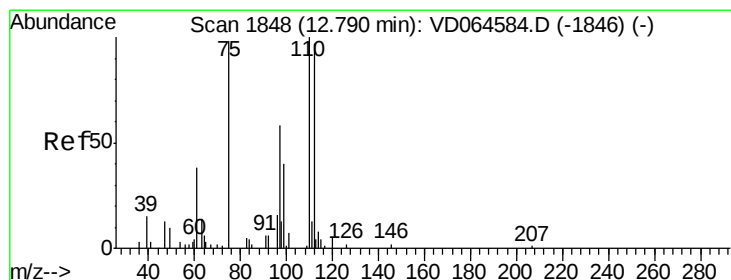
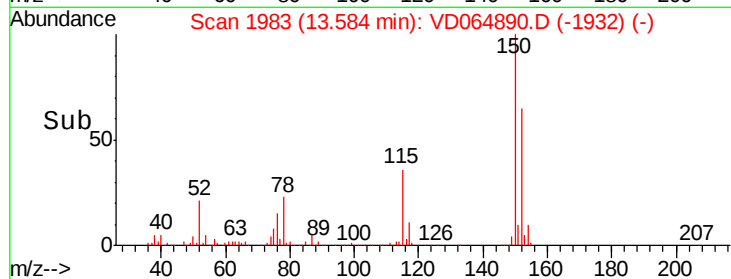
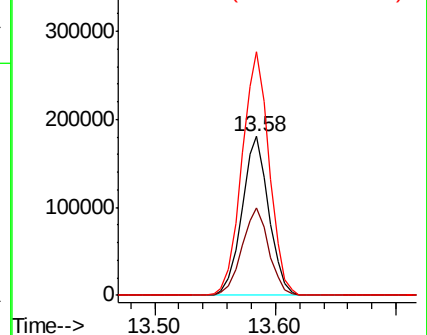
150 157.1 0.0 351.4



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: 59.657 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064890.D

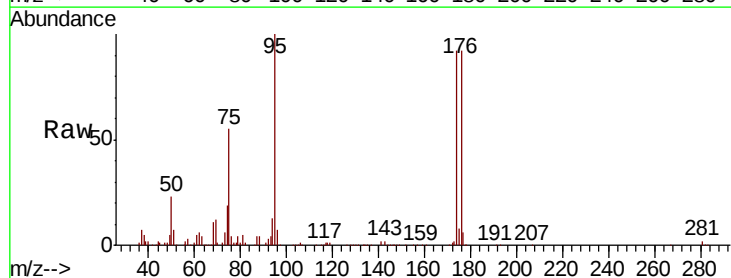
Acq: 20 Jan 2020 15:06

Tgt Ion: 75 Resp: 130803

Ion Ratio Lower Upper

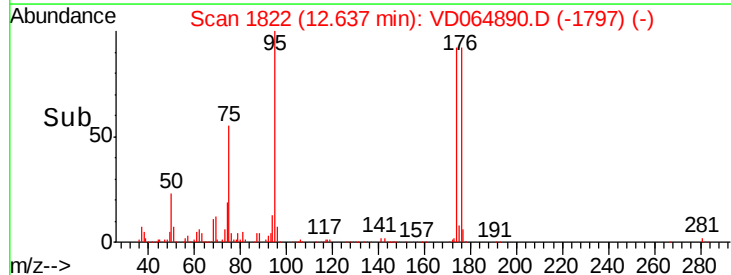
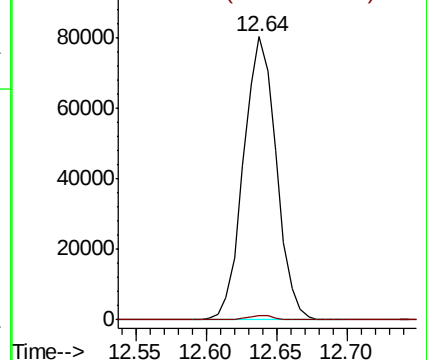
75 100

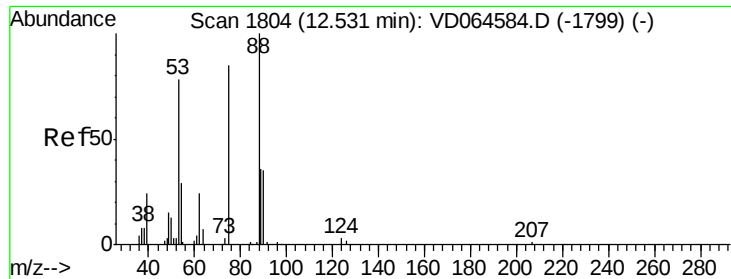
77 1.2 0.0 0.0#



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: 124.770 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064890.D

Acq: 20 Jan 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 130803

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#

