

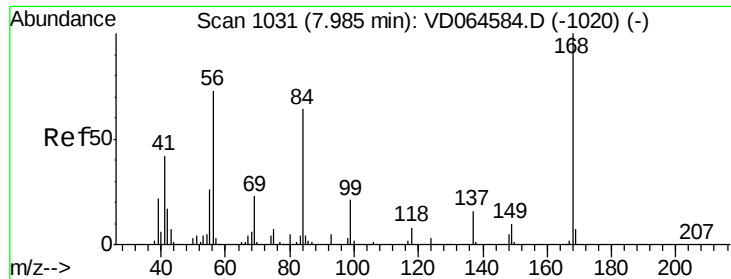
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064766.D
 Acq On : 04 Jan 2020 07:50
 Operator : VA/SY
 Sample : K6479-01
 Misc : 7.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 06:54:08 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	486484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	590859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	219427	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	7.92	113	229263	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.34	98	871315	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.64	95	198555	36.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.52%	
Target Compounds						
16) Acetone	4.18	43	4130	8.213	ug/l #	42
20) Methylene Chloride	4.97	84	12604	Below Cal		97
31) Cyclohexane	7.98	56	10143	1.268	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36918	5.204	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45440	6.007	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	105312	80.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105312	169.251	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: VD064766.D

Acq: 04 Jan 2020 07:50

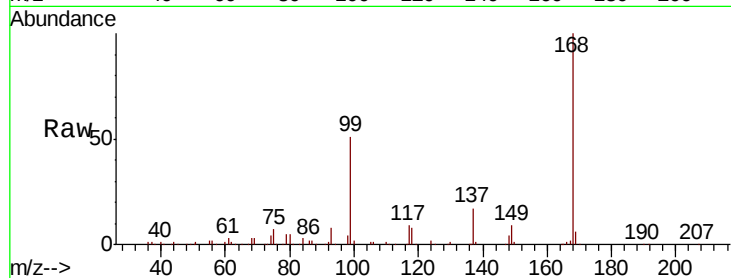
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 486484

Ion Ratio Lower Upper

168 100

99 51.1 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

250000

200000

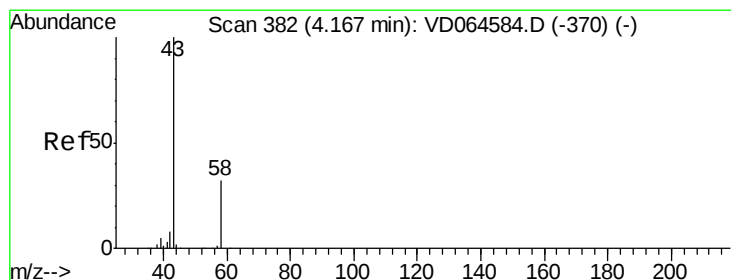
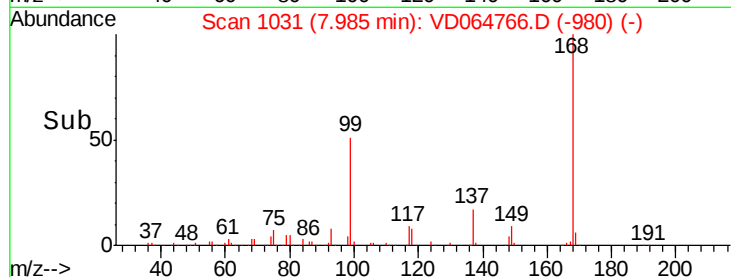
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.213 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064766.D

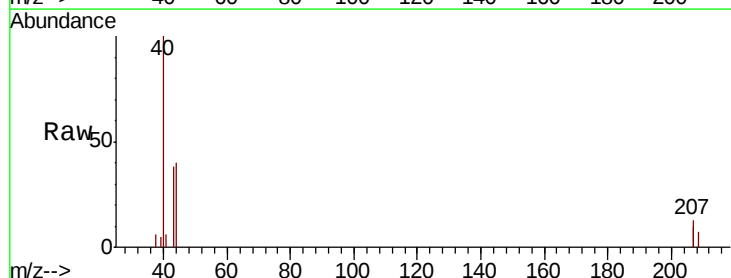
Acq: 04 Jan 2020 07:50

Tgt Ion: 43 Resp: 4130

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

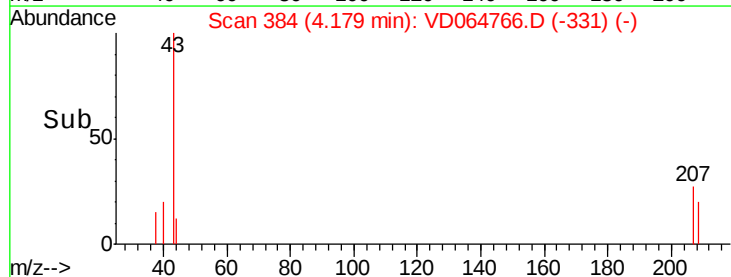
4.18

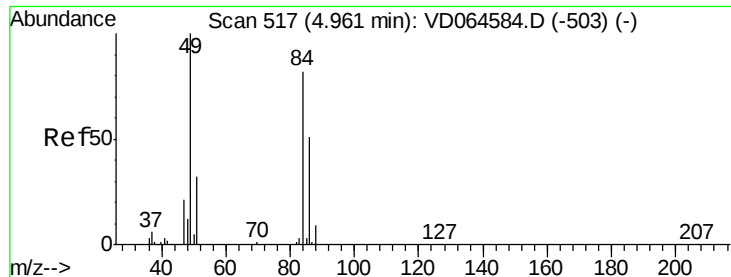
1000

500

0

Time-->

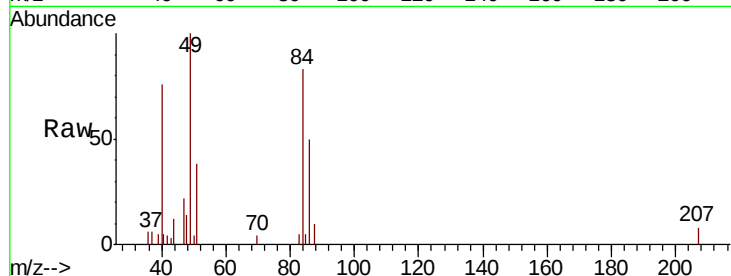




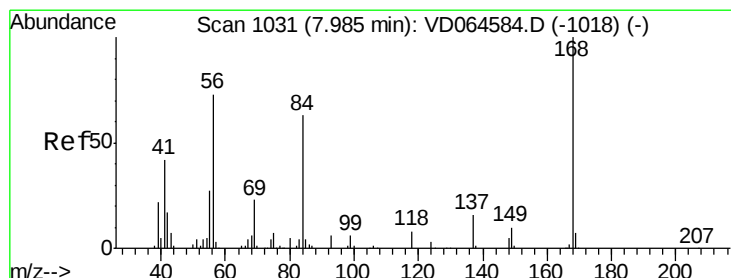
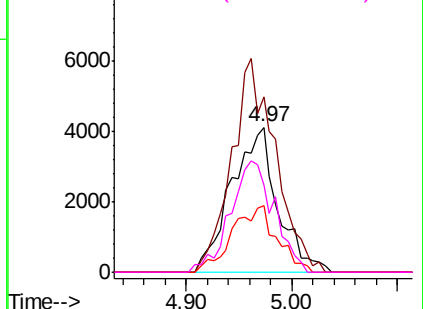
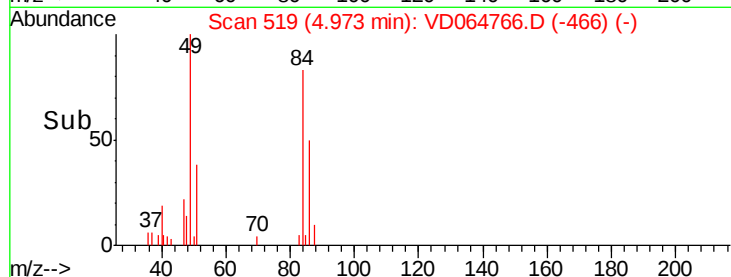
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064766.D
Acq: 04 Jan 2020 07:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 12604
Ion Ratio Lower Upper
84 100
49 120.4 97.2 145.8
51 45.5 31.4 47.0
86 60.4 49.3 73.9

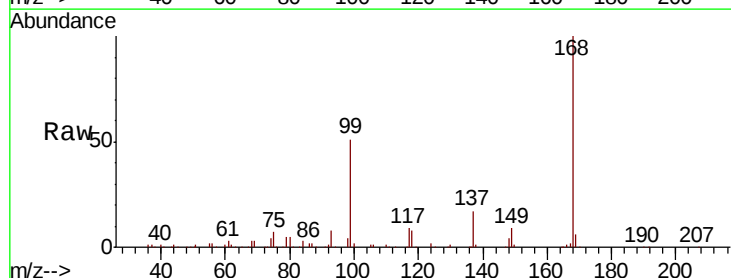


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

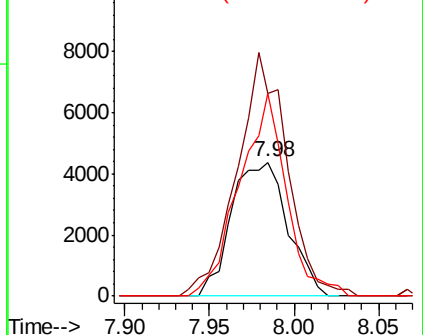
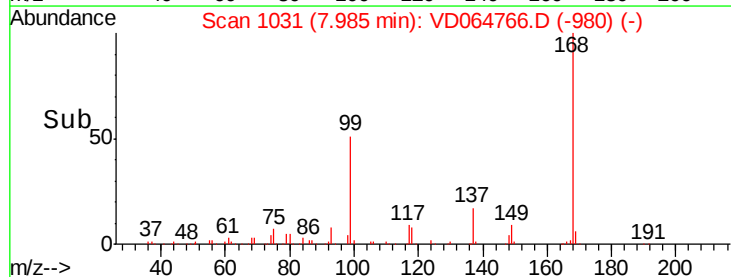


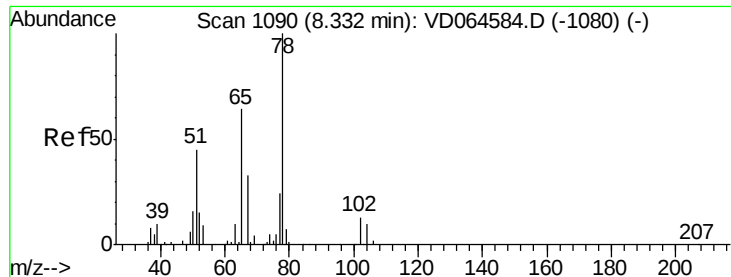
#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064766.D
Acq: 04 Jan 2020 07:50

Tgt Ion: 56 Resp: 10143
Ion Ratio Lower Upper
56 100
69 146.6 24.7 37.1#
84 152.0 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

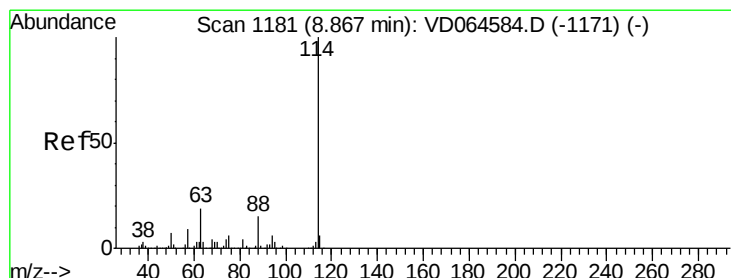
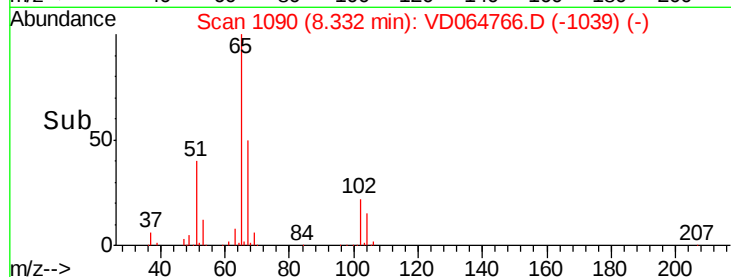
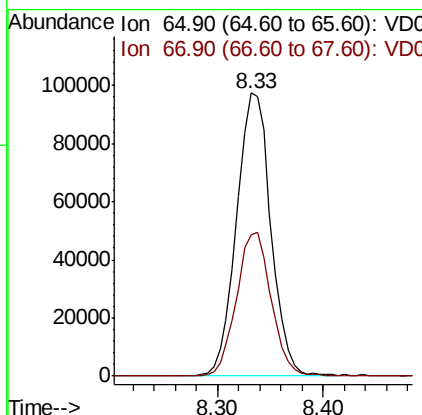
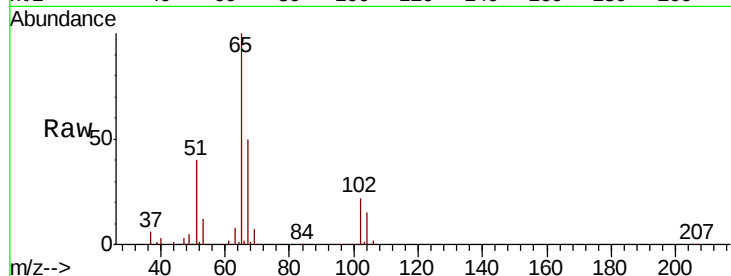




#33
 1,2-Dichloroethane-d4
 Concen: 51.151 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064766.D
 Acq: 04 Jan 2020 07:50

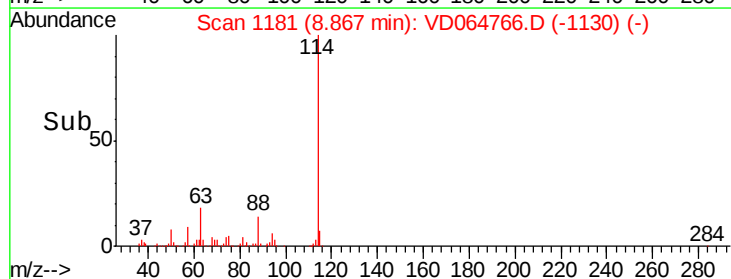
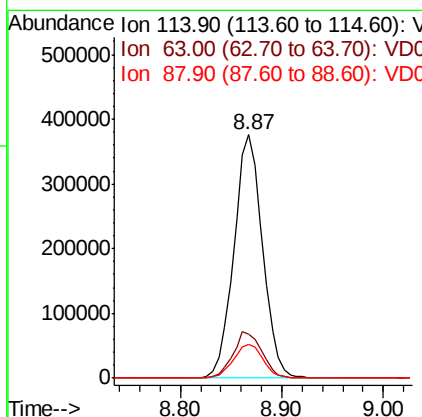
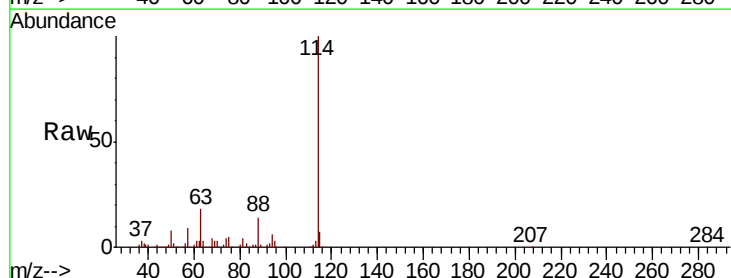
Instrument :
 MSVOA_D
 ClientSampleId :

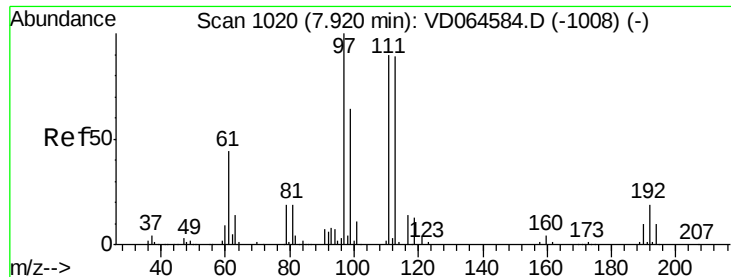
Tot Ion: 65 Resp: 219427
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064766.D
 Acq: 04 Jan 2020 07:50

Tgt Ion: 114 Resp: 737030
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.0
 88 13.6 0.0 29.2

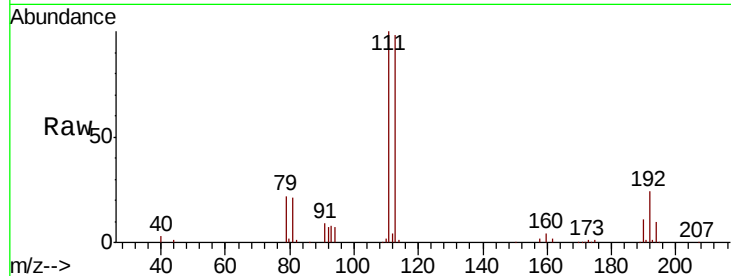




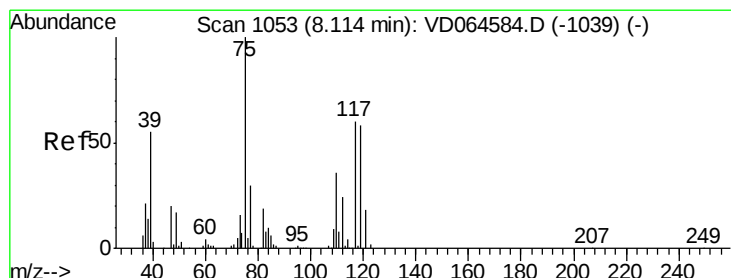
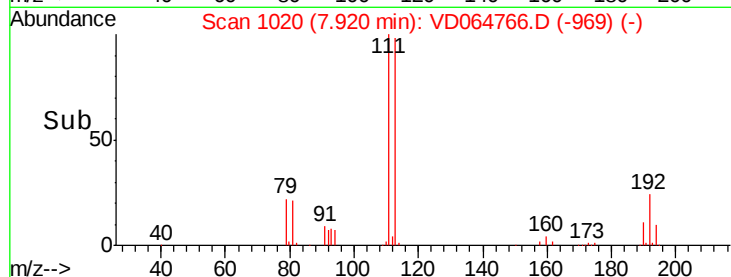
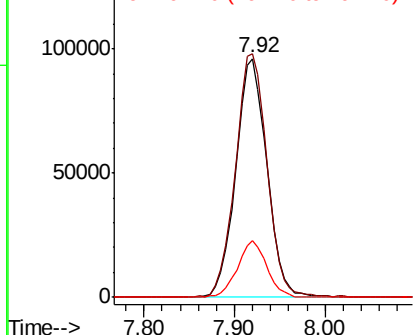
#35
 Dibromofluoromethane
 Concen: 50.702 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064766.D
 Acq: 04 Jan 2020 07:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.6	121.0
192	22.4	17.9	26.9

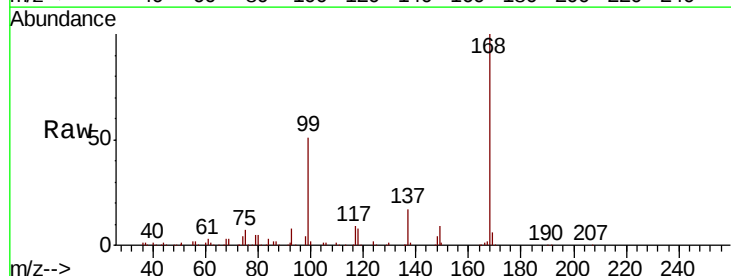


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

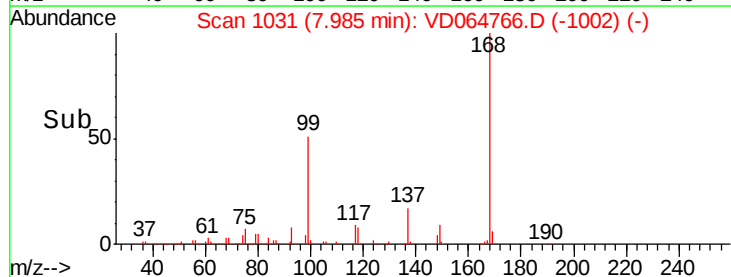
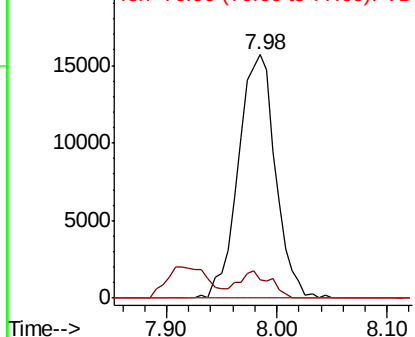


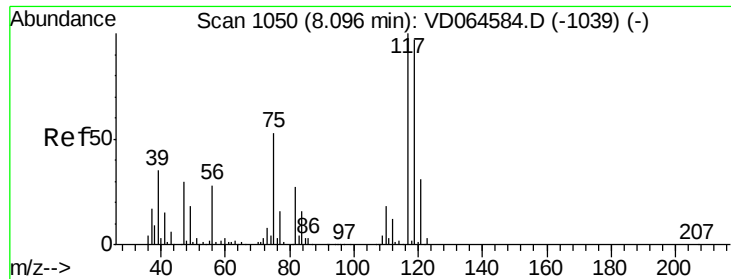
#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064766.D
 Acq: 04 Jan 2020 07:50

Tgt 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): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.007 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064766.D

Acq: 04 Jan 2020 07:50

Instrument :

MSVOA_D

ClientSampleId :

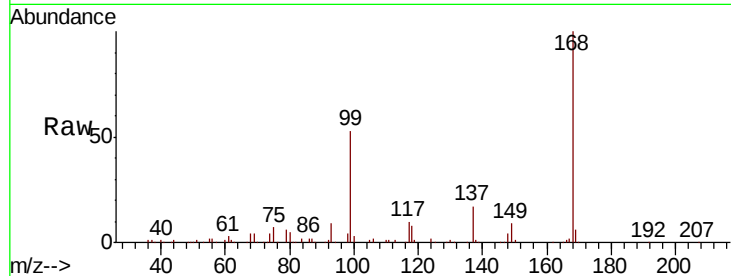
Tot Ion:117 Resp: 45440

Ion Ratio Lower Upper

117 100

119 7.2 77.3 115.9#

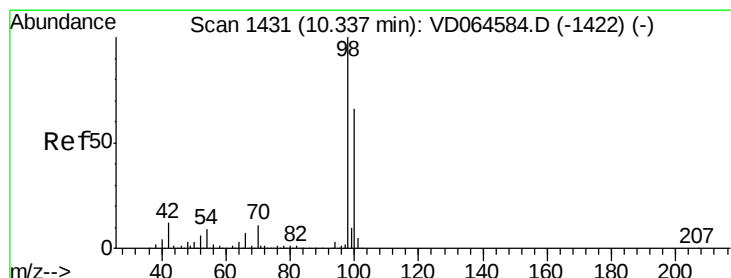
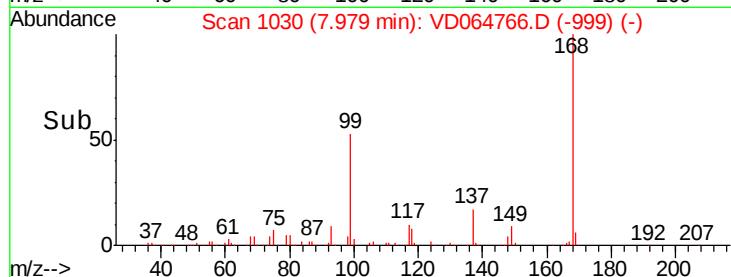
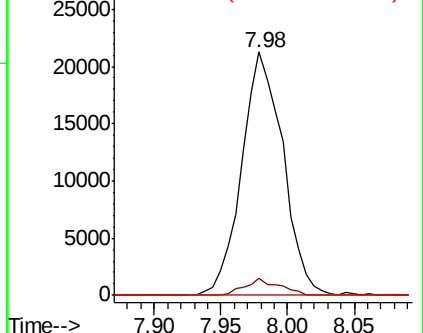
121 0.0 25.0 37.6#



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: 50.313 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064766.D

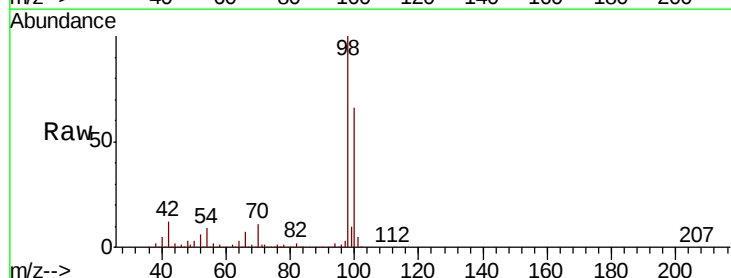
Acq: 04 Jan 2020 07:50

Tgt Ion: 98 Resp: 871315

Ion Ratio Lower Upper

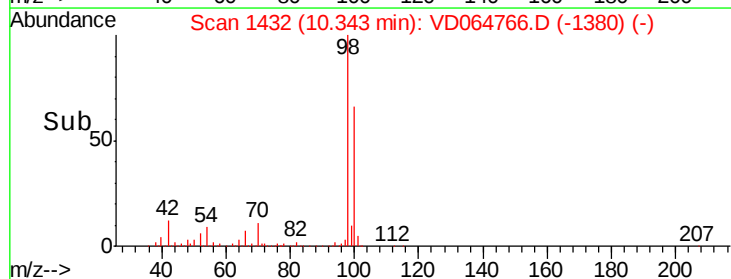
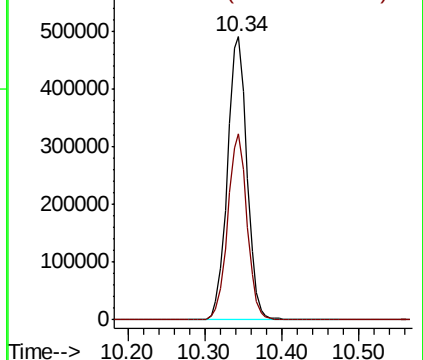
98 100

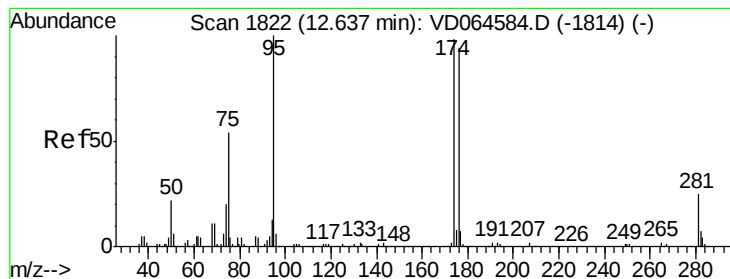
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 36.258 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064766.D

Acq: 04 Jan 2020 07:50

Instrument :

MSVOA_D

ClientSampleId :

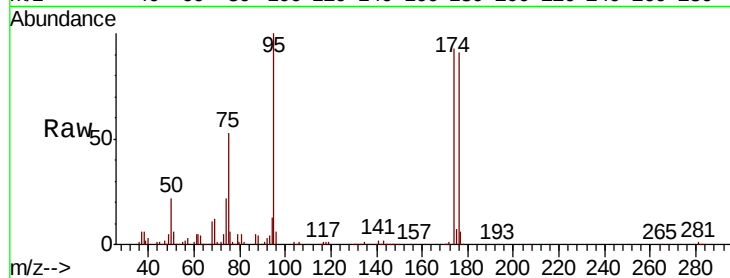
Tot Ion: 95 Resp: 198555

Ion Ratio Lower Upper

95 100

174 93.8 0.0 193.2

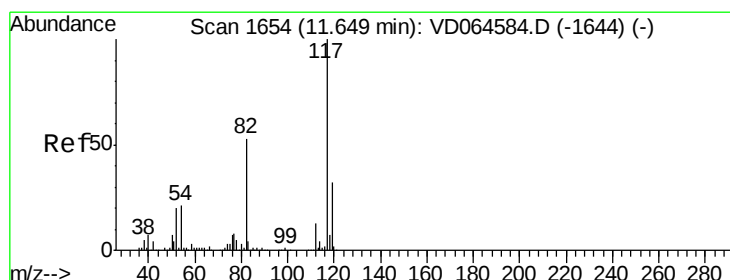
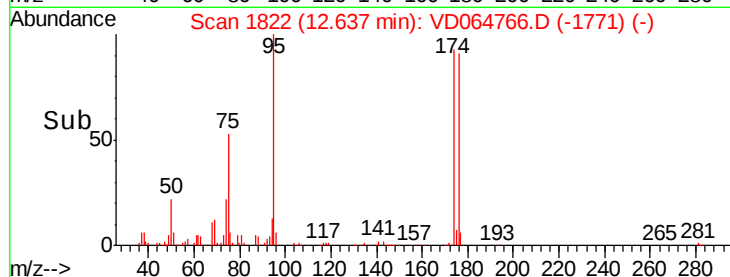
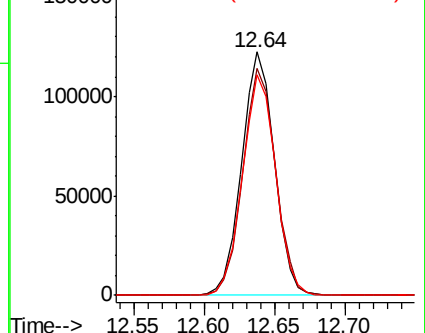
176 91.8 0.0 184.2



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: VD064766.D

Acq: 04 Jan 2020 07:50

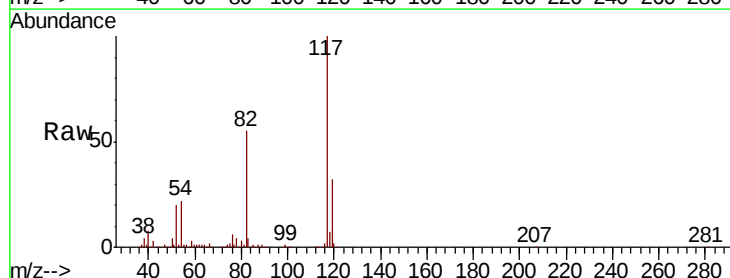
Tgt Ion: 117 Resp: 590859

Ion Ratio Lower Upper

117 100

82 55.2 42.2 63.4

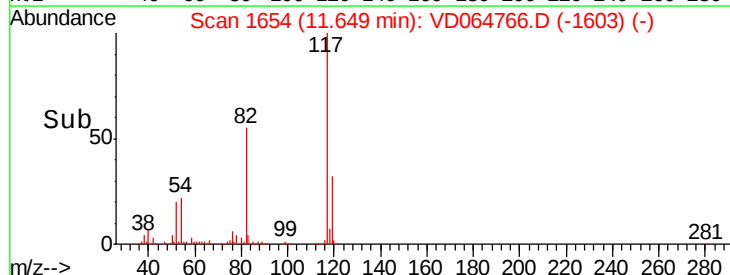
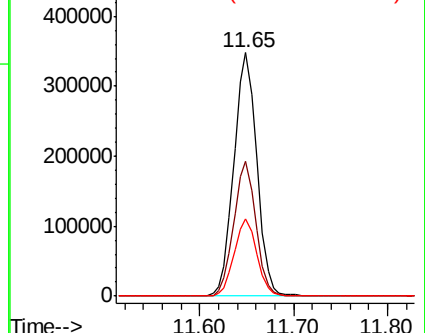
119 31.9 26.0 39.0

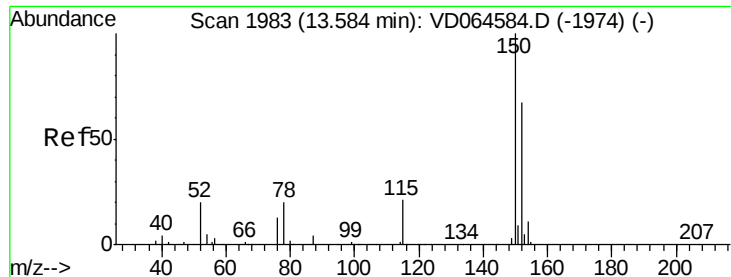


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064766.D

Acq: 04 Jan 2020 07:50

Instrument :

MSVOA_D

ClientSampleId :

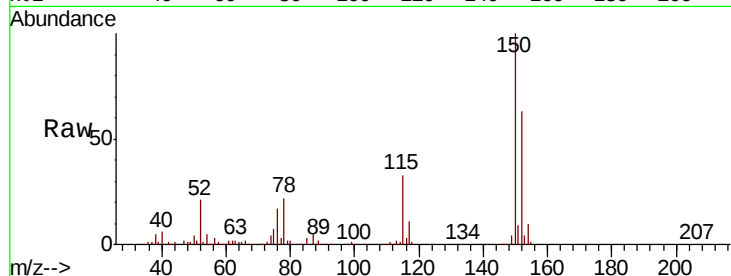
Tot Ion:152 Resp: 164800

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

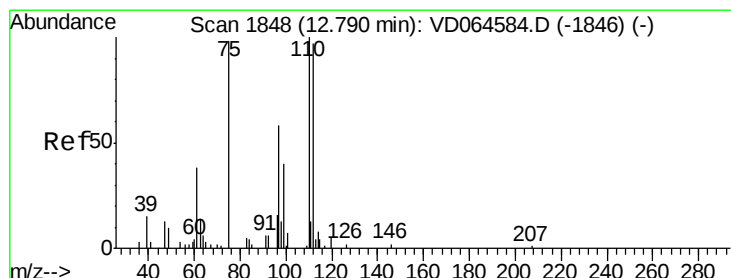
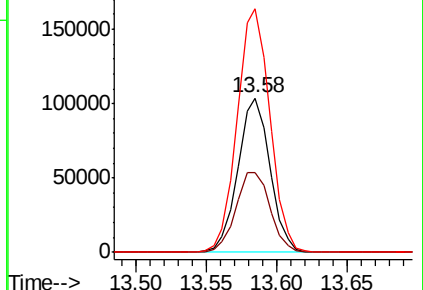
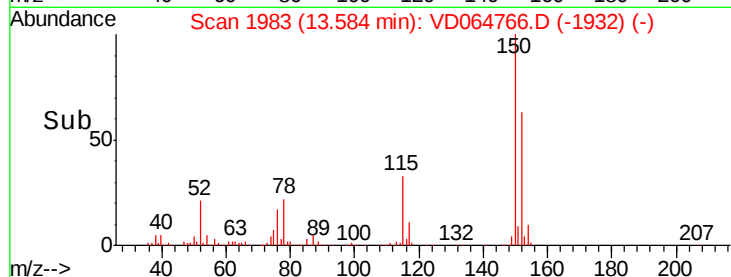
150 161.0 0.0 351.4



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: 80.924 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064766.D

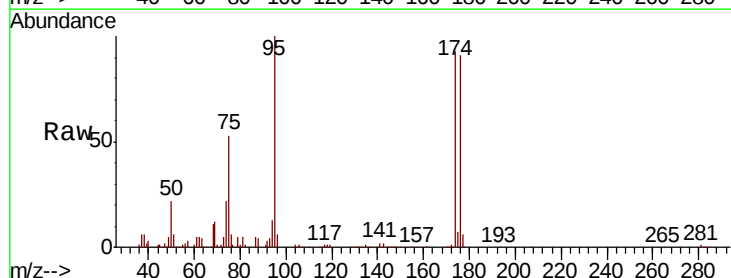
Acq: 04 Jan 2020 07:50

Tgt Ion: 75 Resp: 105312

Ion Ratio Lower Upper

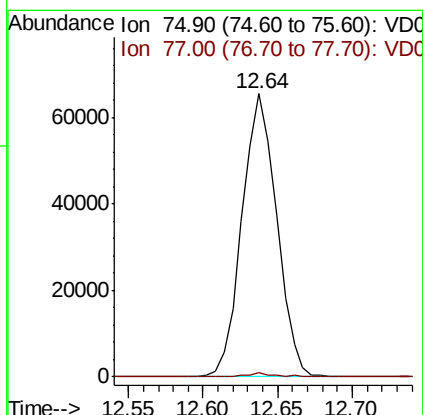
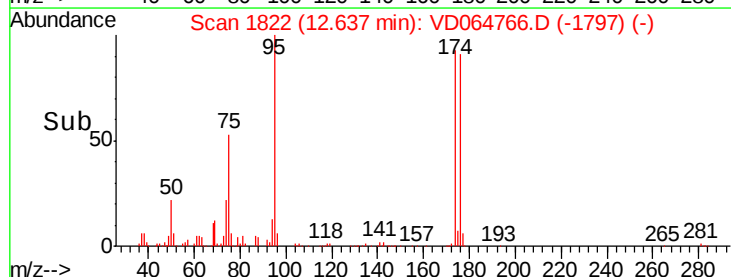
75 100

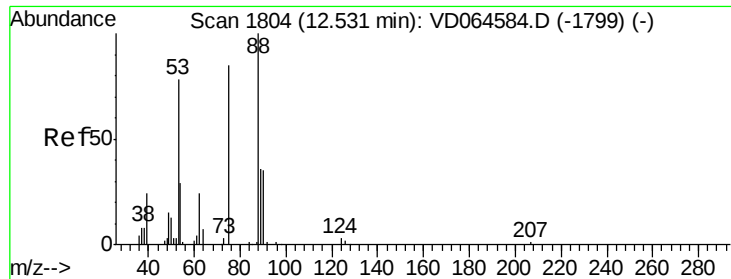
77 1.1 0.0 0.0#



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: 169.251 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064766.D

Acq: 04 Jan 2020 07:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 105312

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 38.3 57.5#

