

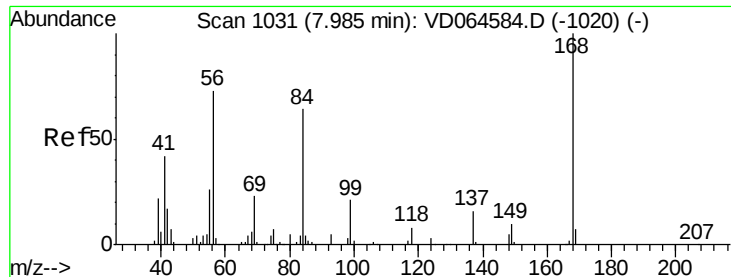
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064606.D
 Acq On : 26 Dec 2019 18:30
 Operator : VA/SY
 Sample : K6437-05
 Misc : 6.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:41:43 2019
 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	493442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	781696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	733060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	357783	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	226763	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.92	113	238262	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.34	98	928999	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.64	95	308939	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	8164	12.039	ug/l	95
30) Chloroform	7.71	83	12973	1.526	ug/l	98
31) Cyclohexane	7.98	56	9613	1.185	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	34578	4.596	ug/l #	50
38) Carbon Tetrachloride	7.98	117	46470	5.792	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	4339	1.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	163299	57.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	163299	120.885	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: VD064606.D

Acq: 26 Dec 2019 18:30

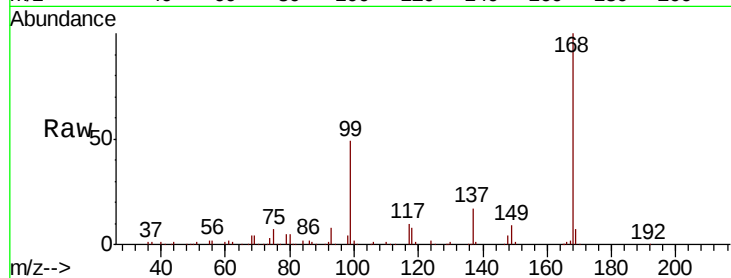
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 493442

Ion Ratio Lower Upper

168 100

99 49.3 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

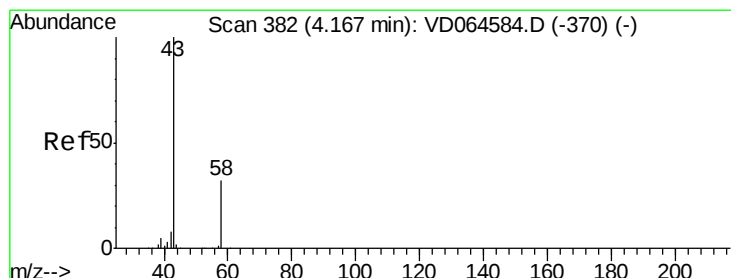
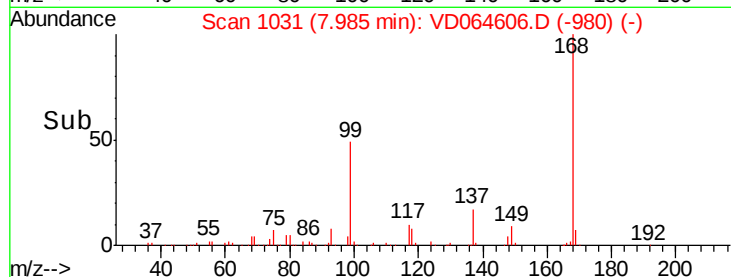
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 12.039 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064606.D

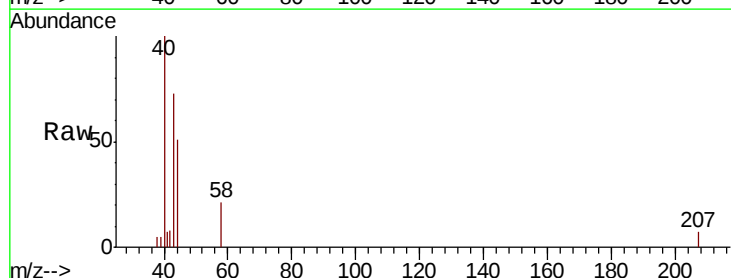
Acq: 26 Dec 2019 18:30

Tgt Ion: 43 Resp: 8164

Ion Ratio Lower Upper

43 100

58 29.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

3000

2500

2000

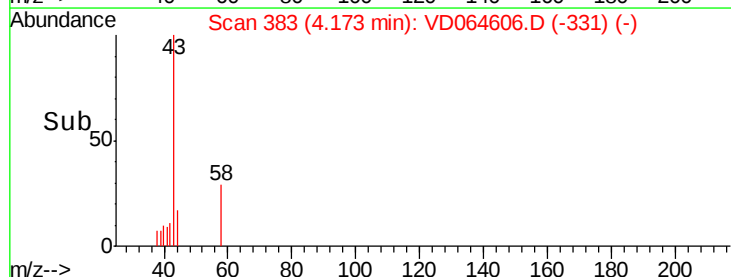
1500

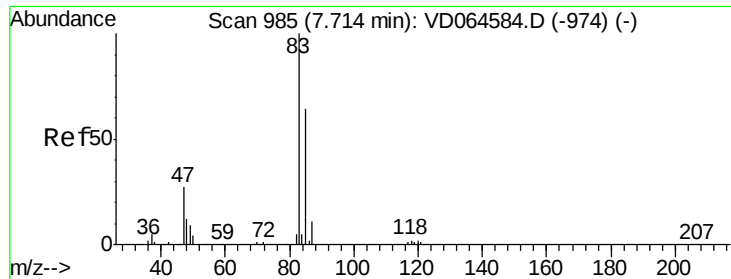
1000

500

0

Time-->

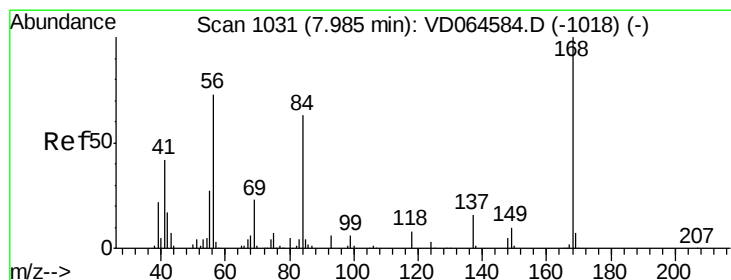
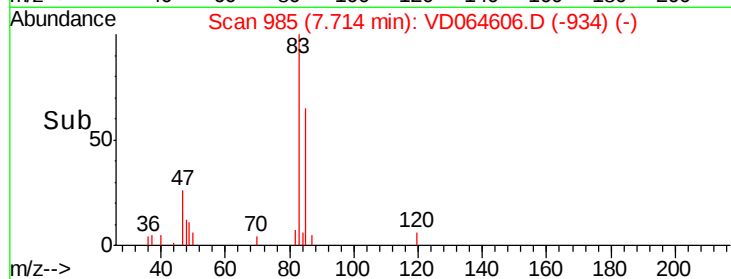
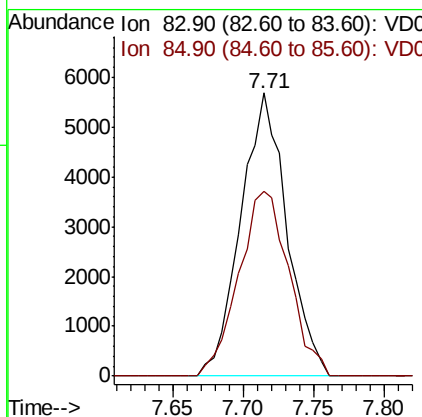
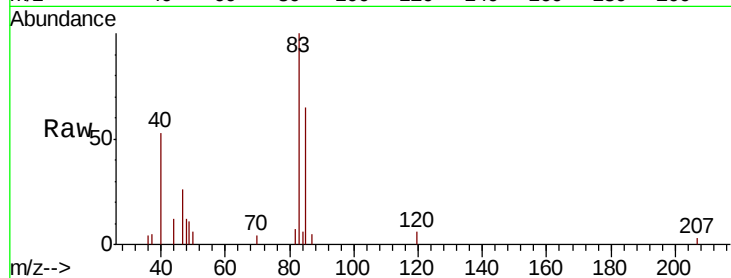




#30
Chloroform
Concen: 1.526 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064606.D
Acq: 26 Dec 2019 18:30

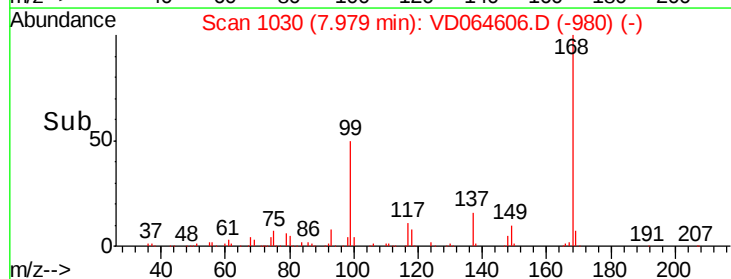
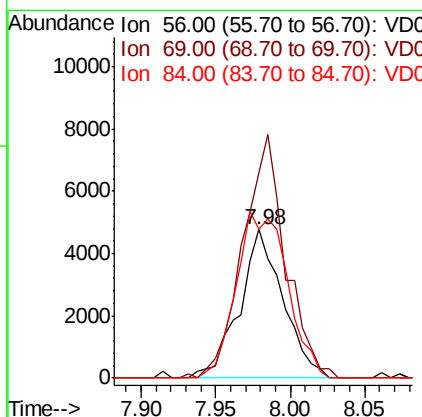
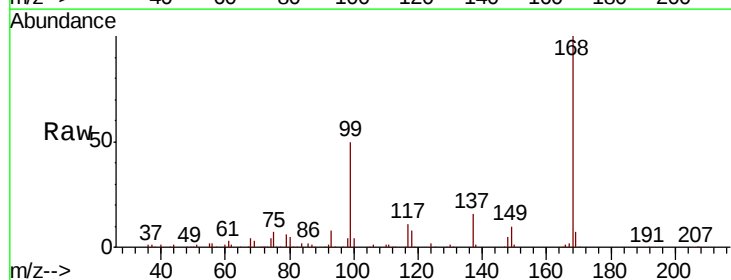
Instrument :
MSVOA_D
ClientSampleId :

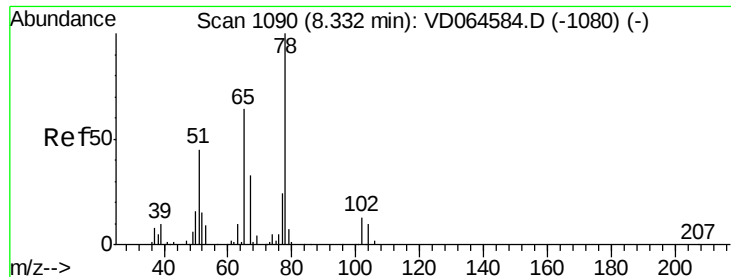
Tot Ion: 83 Resp: 12973
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064606.D
Acq: 26 Dec 2019 18:30

Tgt Ion: 56 Resp: 9613
Ion Ratio Lower Upper
56 100
69 138.0 24.7 37.1#
84 99.8 69.4 104.2

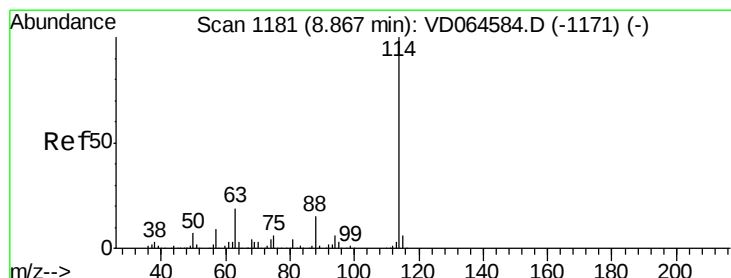
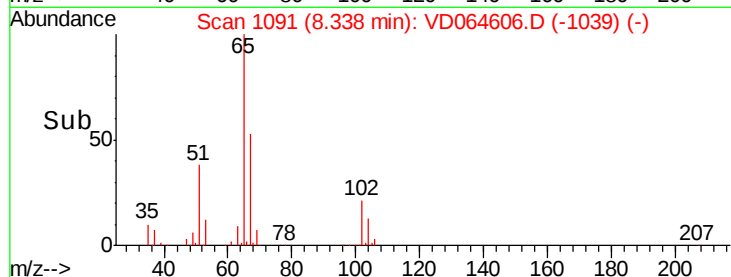
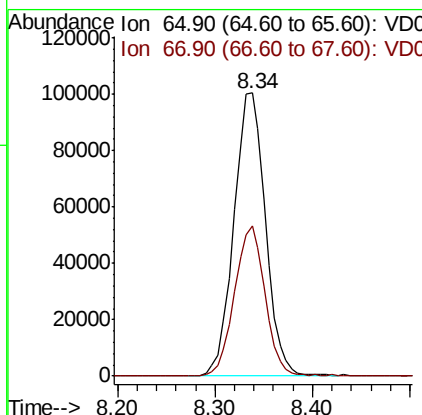
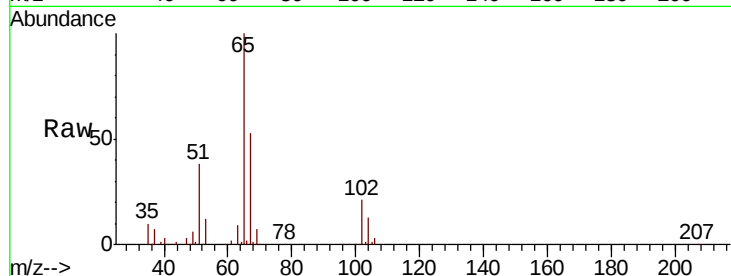




#33
 1,2-Dichloroethane-d4
 Concen: 52.116 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064606.D
 Acq: 26 Dec 2019 18:30

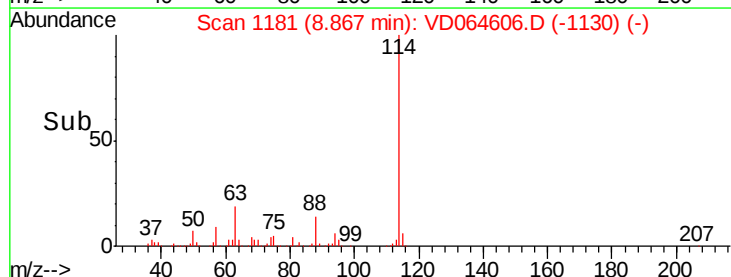
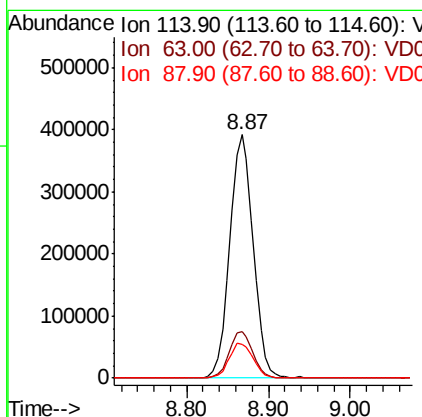
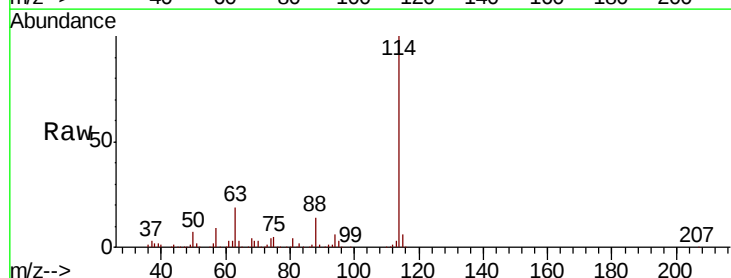
Instrument :
 MSVOA_D
 ClientSampled :

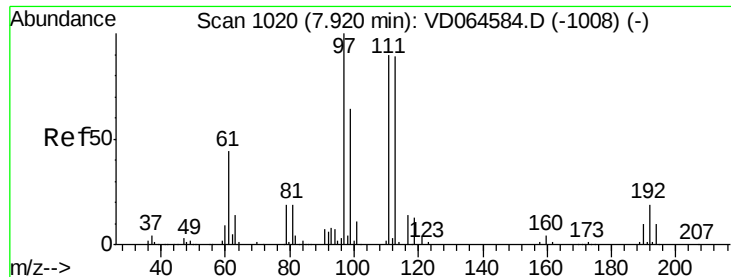
Tot Ion: 65 Resp: 226763
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064606.D
 Acq: 26 Dec 2019 18:30

Tgt Ion: 114 Resp: 781696
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 13.8 0.0 29.2

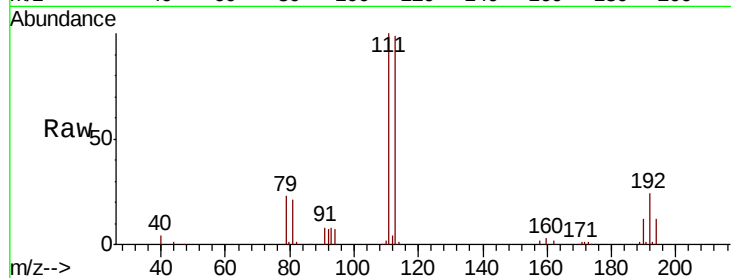




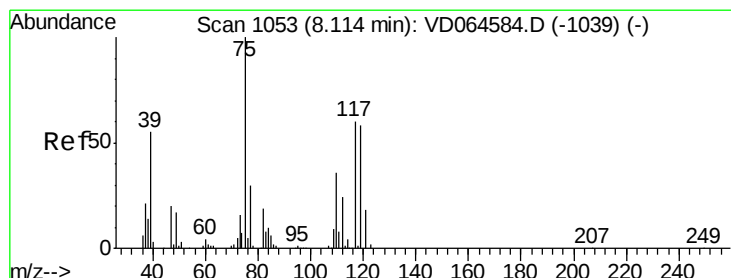
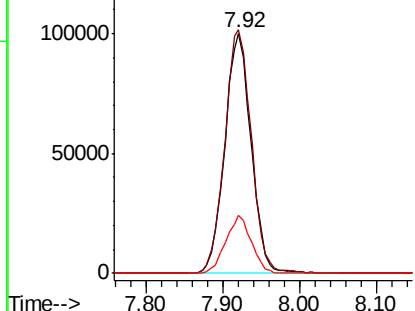
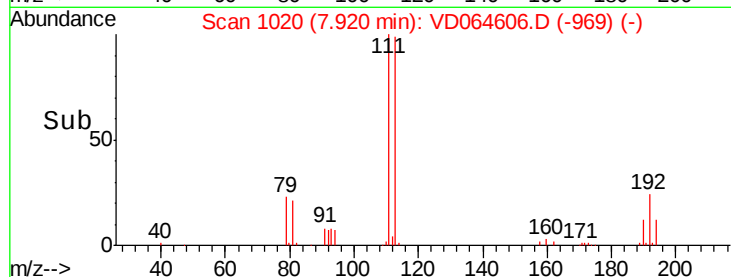
#35
 Dibromofluoromethane
 Concen: 49.681 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064606.D
 Acq: 26 Dec 2019 18:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.6	121.0
192	23.3	17.9	26.9

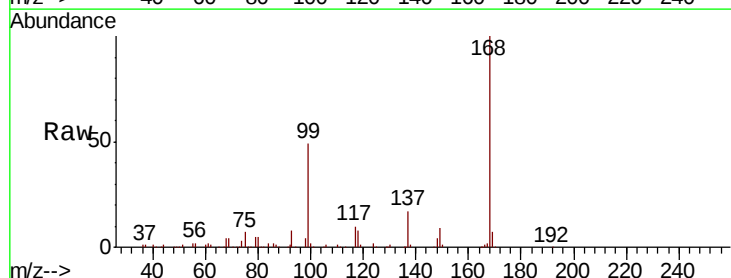


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

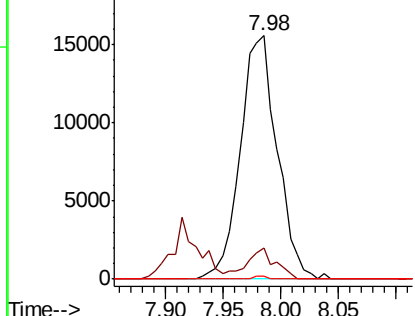
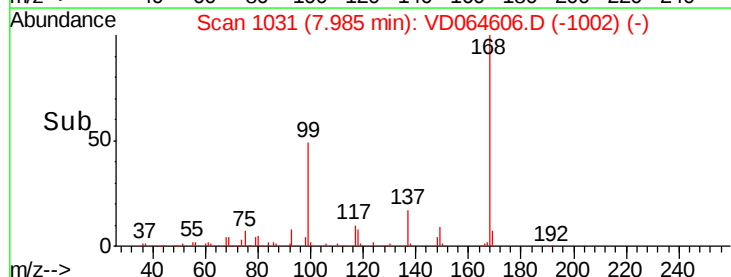


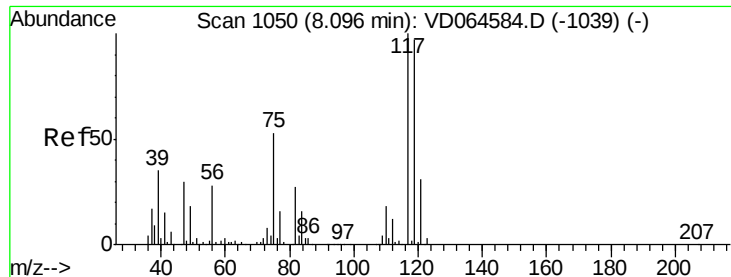
#36
 1,1-Dichloropropene
 Concen: 4.596 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064606.D
 Acq: 26 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.4	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: 5.792 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064606.D

Acq: 26 Dec 2019 18:30

Instrument :

MSVOA_D

ClientSampleId :

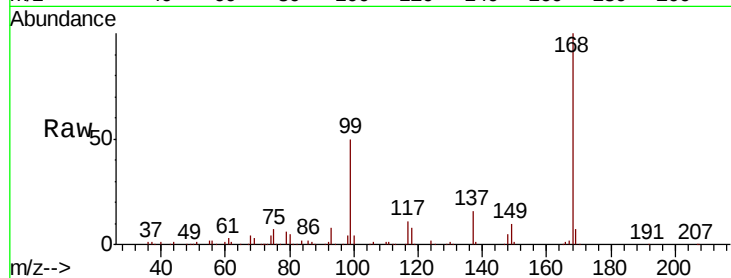
Tot Ion:117 Resp: 46470

Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

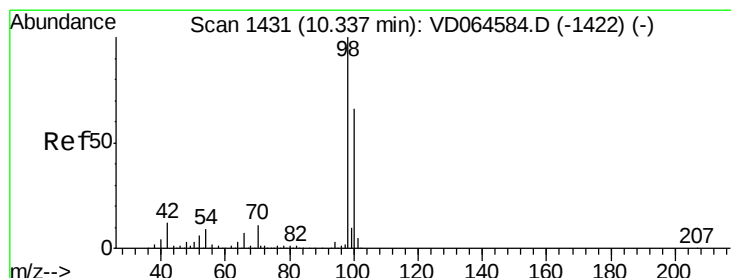
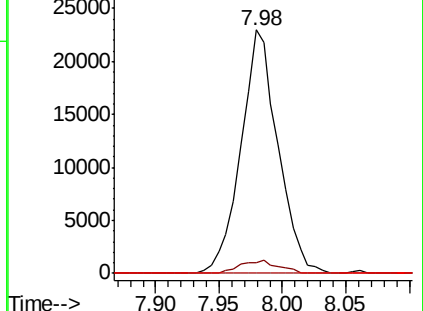
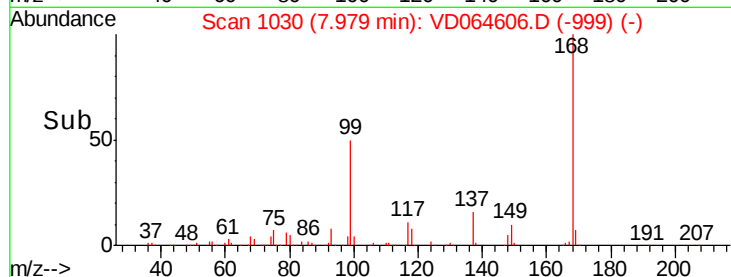
121 0.0 25.0 37.6#



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: 50.578 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064606.D

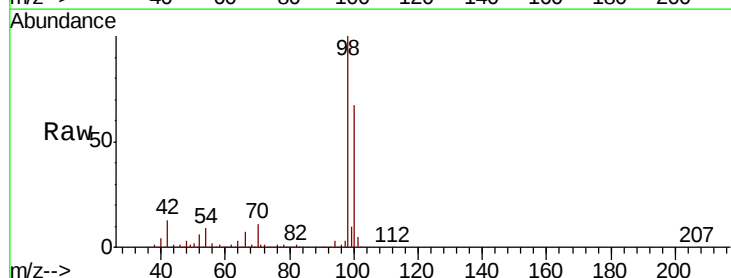
Acq: 26 Dec 2019 18:30

Tgt Ion: 98 Resp: 928999

Ion Ratio Lower Upper

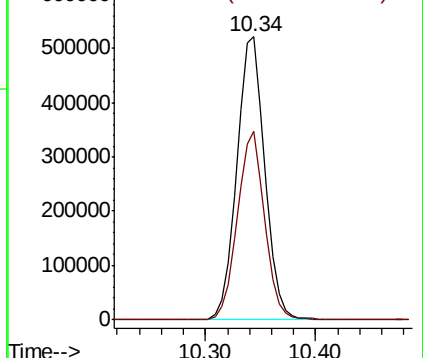
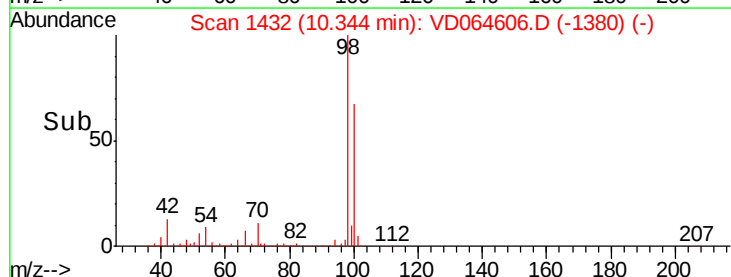
98 100

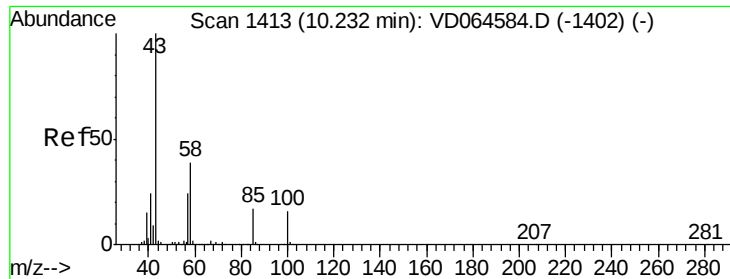
100 64.9 51.7 77.5



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: 1.492 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD064606.D

Acq: 26 Dec 2019 18:30

Instrument :

MSVOA_D

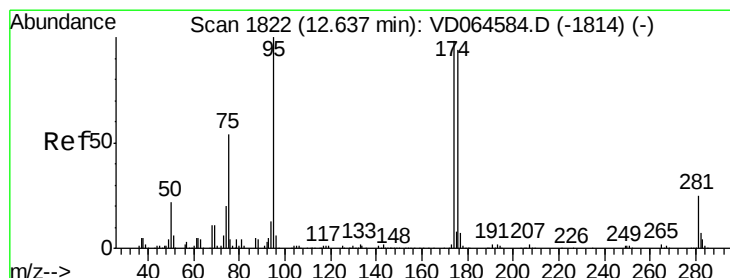
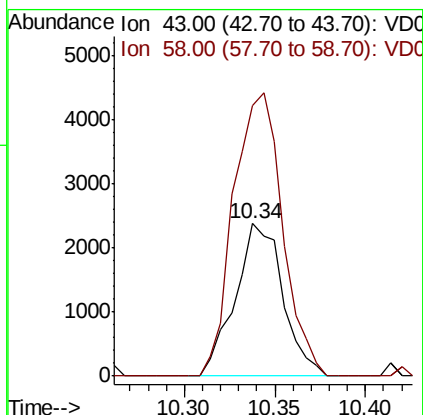
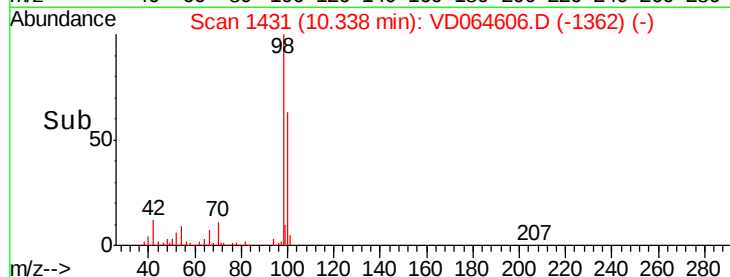
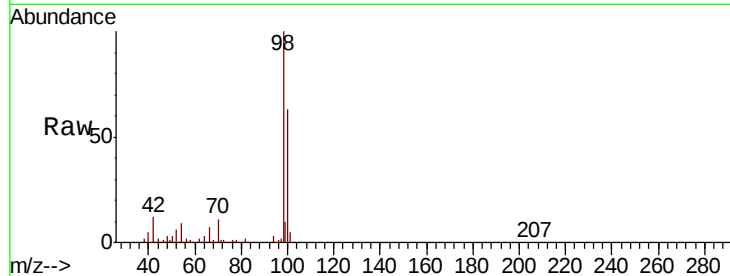
ClientSampleId :

Tot Ion: 43 Resp: 4339

Ion Ratio Lower Upper

43 100

58 191.3 30.2 45.2#



#62

4-Bromofluorobenzene

Concen: 53.192 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064606.D

Acq: 26 Dec 2019 18:30

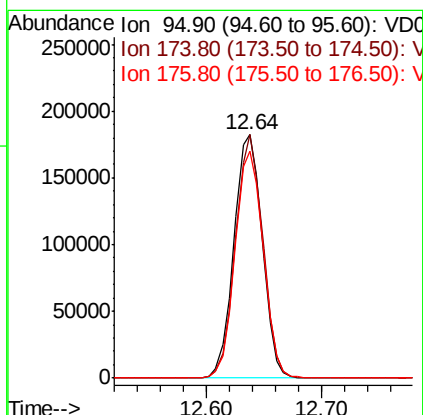
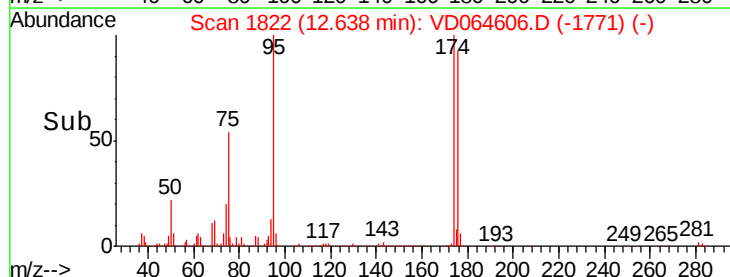
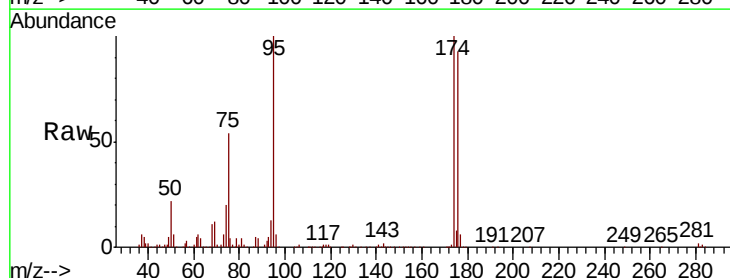
Tgt Ion: 95 Resp: 308939

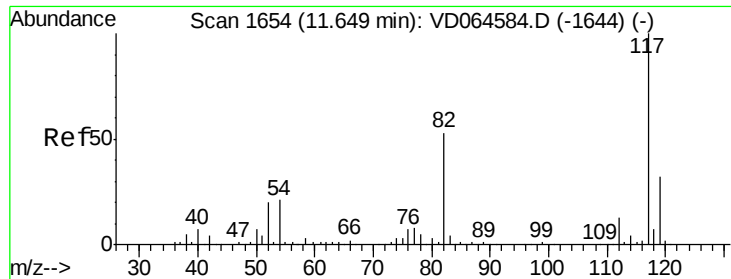
Ion Ratio Lower Upper

95 100

174 96.5 0.0 193.2

176 92.7 0.0 184.2

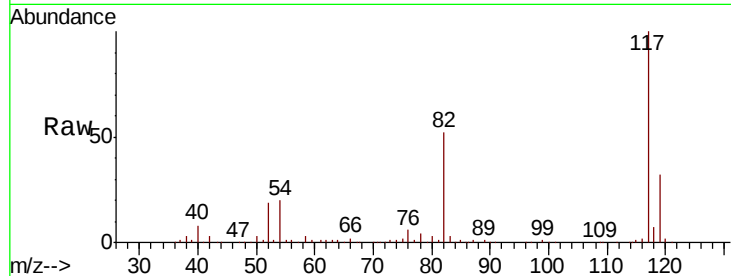




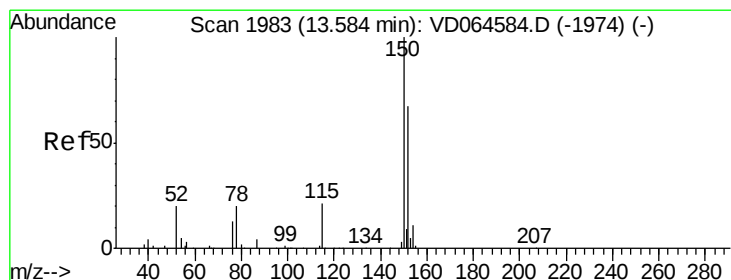
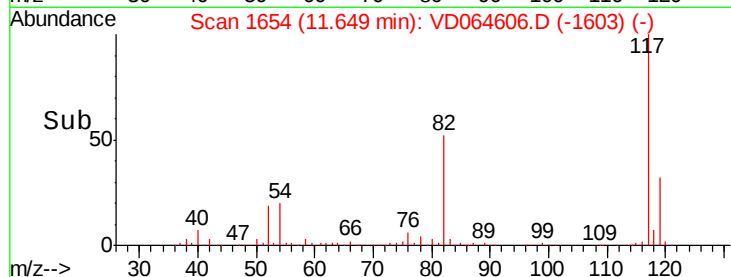
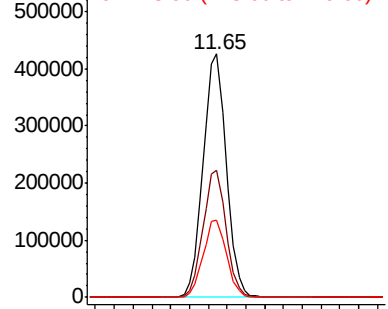
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064606.D
Acq: 26 Dec 2019 18:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 733060
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 31.8 26.0 39.0

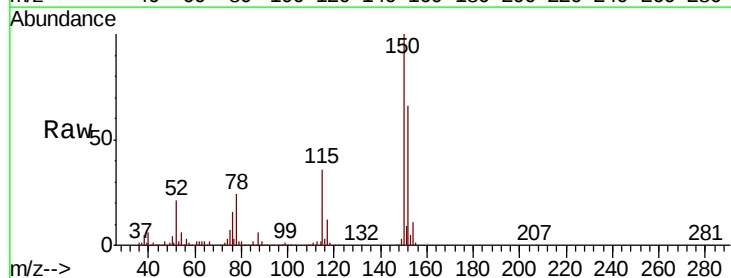


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

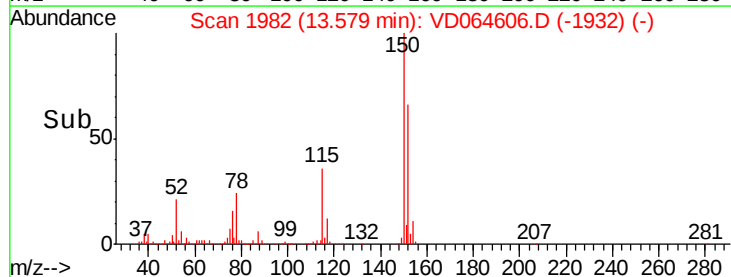
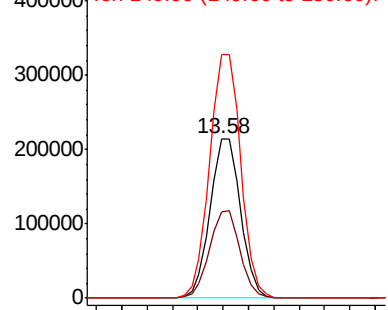


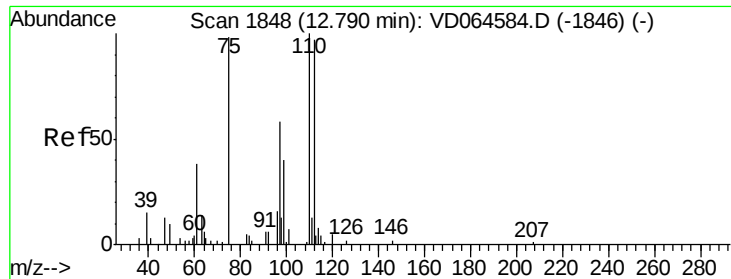
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064606.D
Acq: 26 Dec 2019 18:30

Tgt Ion:152 Resp: 357783
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.4
150 155.5 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: 57.799 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064606.D

Acq: 26 Dec 2019 18:30

Instrument :

MSVOA_D

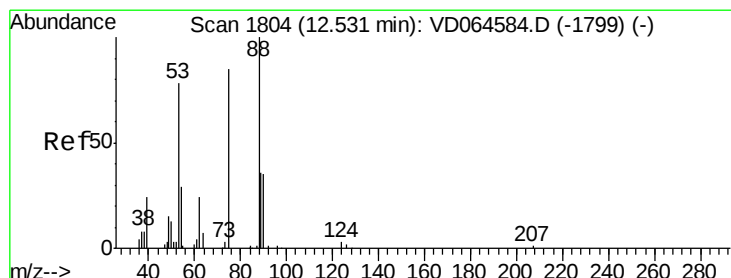
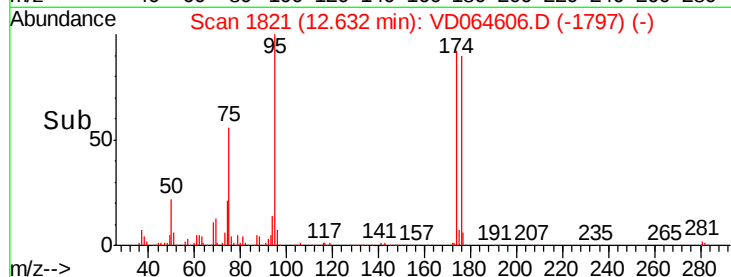
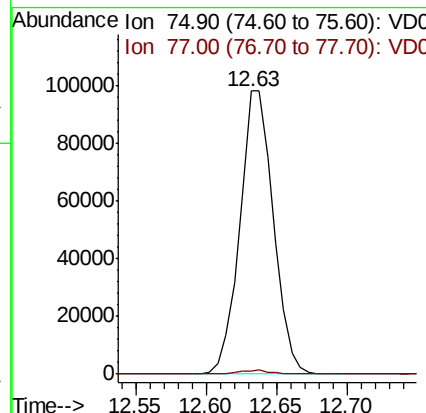
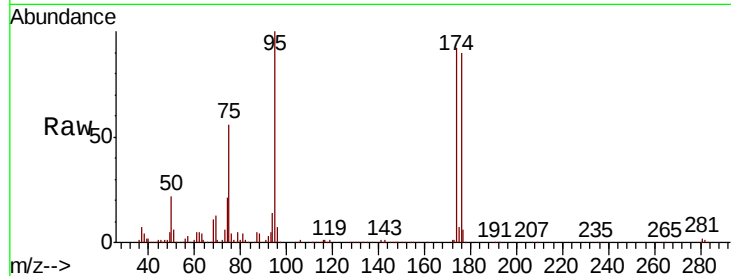
ClientSampled :

Tot Ion: 75 Resp: 163299

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.885 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064606.D

Acq: 26 Dec 2019 18:30

Tgt Ion: 75 Resp: 163299

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

