

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010620\
 Data File : VD064784.D
 Acq On : 06 Jan 2020 20:32
 Operator : VA/SY
 Sample : L1008-01RE
 Misc : 7.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 07 00:38:38 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	483648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	757017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280883	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	206109	48.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.66%	
35) Dibromofluoromethane	7.92	113	228402	49.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.36%	
50) Toluene-d8	10.34	98	902286	50.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.64	95	260605	46.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.66%	

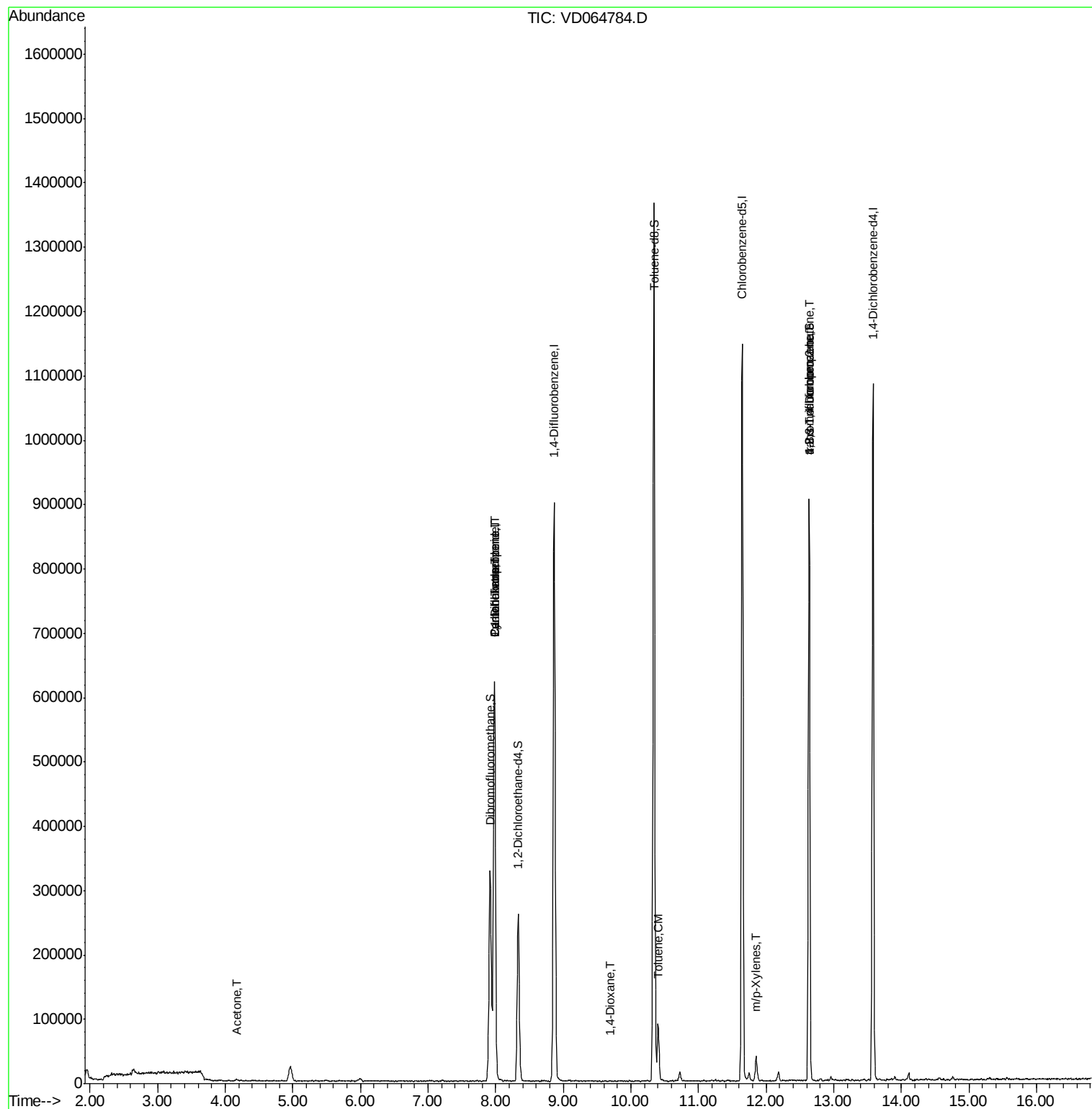
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1920	6.072	ug/l	94
20) Methylene Chloride	4.96	84	17483	Below Cal		96
31) Cyclohexane	7.98	56	11203	1.409	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	36274	4.978	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45195	5.817	ug/l #	16
49) 1,4-Dioxane	9.69	88	54	1.769	ug/l #	24
52) Toluene	10.40	92	34946	2.678	ug/l	99
68) m/p-Xylenes	11.86	106	12179	1.278	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	139662	62.967	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	139662	131.693	ug/l #	10

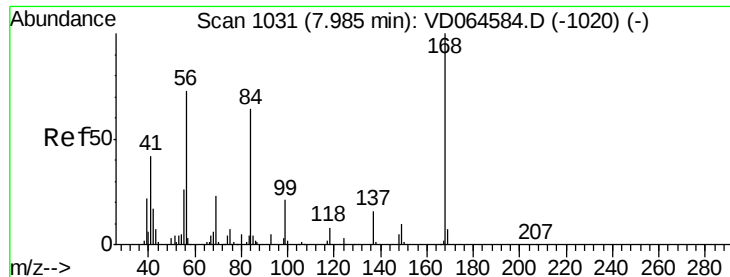
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 07 00:38:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

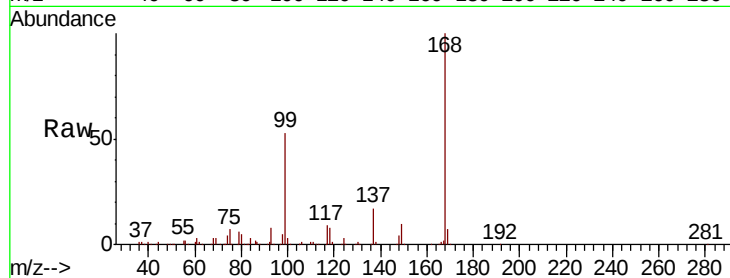
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 483648

Ion Ratio Lower Upper

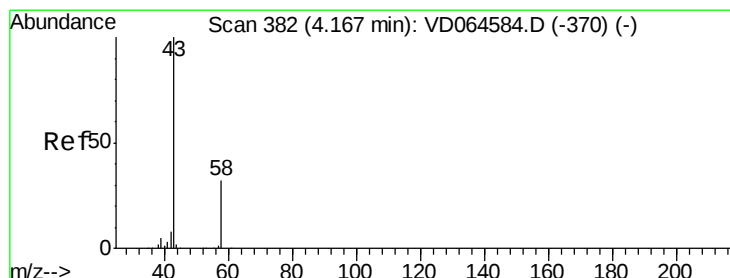
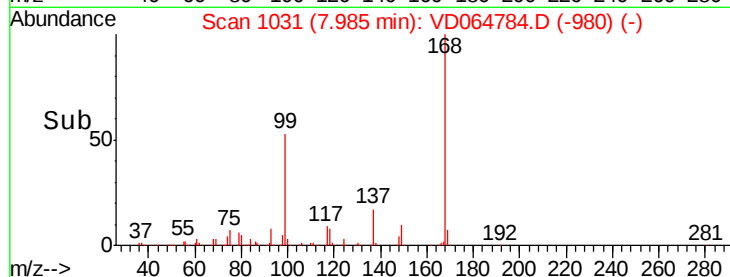
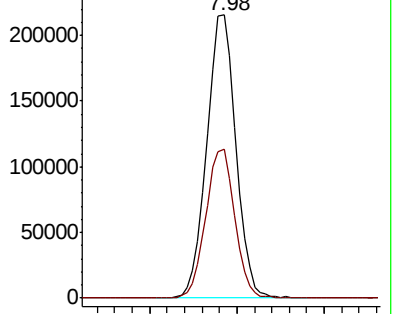
168 100

99 52.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 6.072 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064784.D

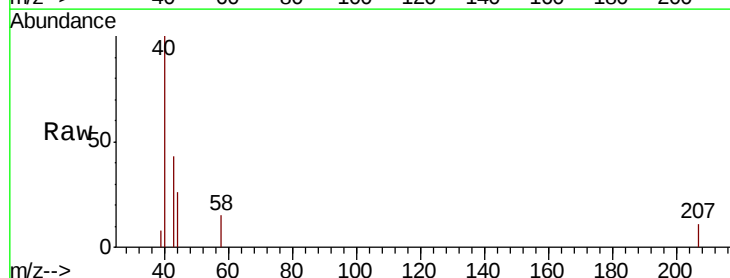
Acq: 06 Jan 2020 20:32

Tgt Ion: 43 Resp: 1920

Ion Ratio Lower Upper

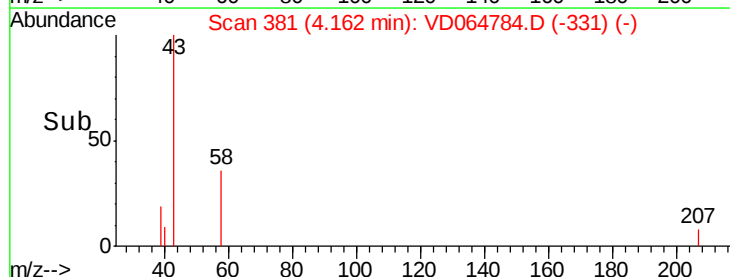
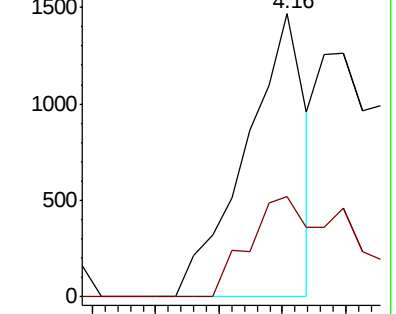
43 100

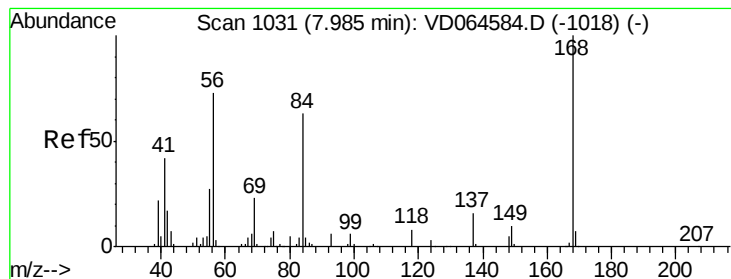
58 35.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#31

Cyclohexane

Concen: 1.409 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

Instrument :

MSVOA_D

ClientSampled :

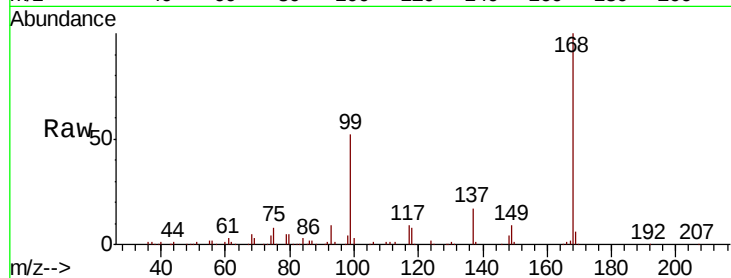
Tot Ion: 56 Resp: 11203

Ion Ratio Lower Upper

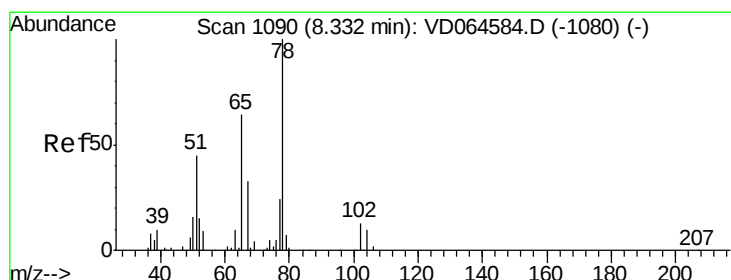
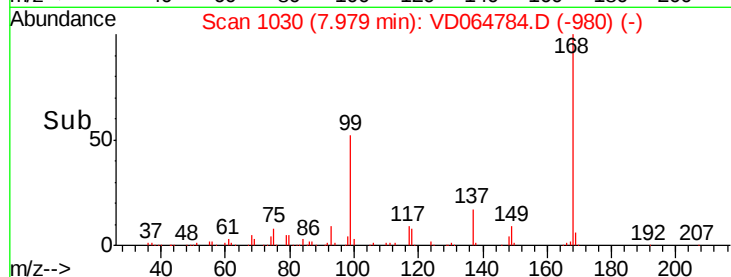
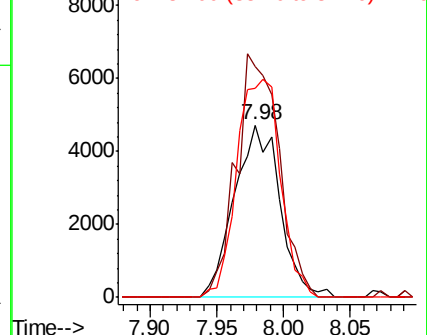
56 100

69 133.5 24.7 37.1#

84 121.3 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: 48.329 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064784.D

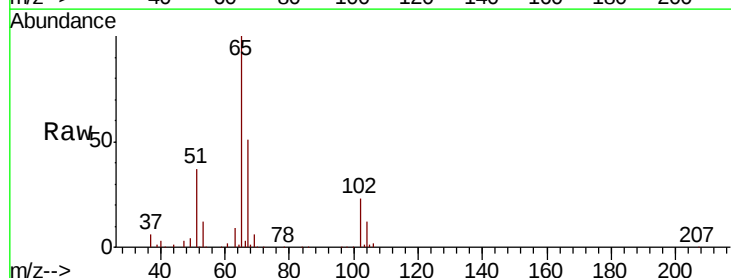
Acq: 06 Jan 2020 20:32

Tgt Ion: 65 Resp: 206109

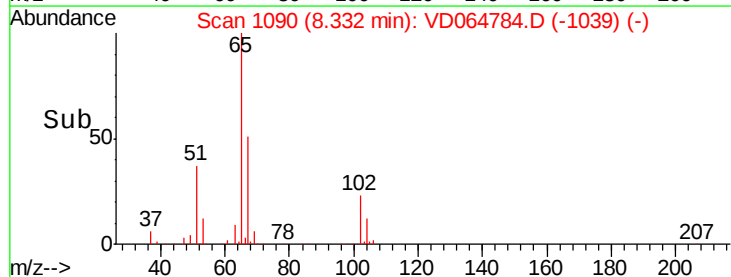
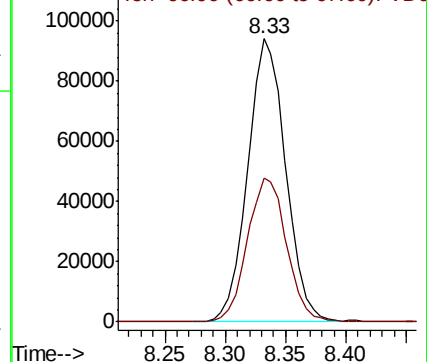
Ion Ratio Lower Upper

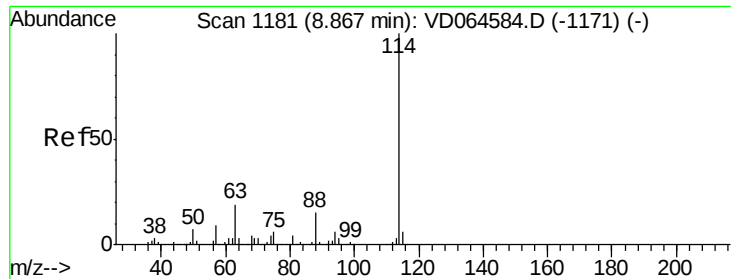
65 100

67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

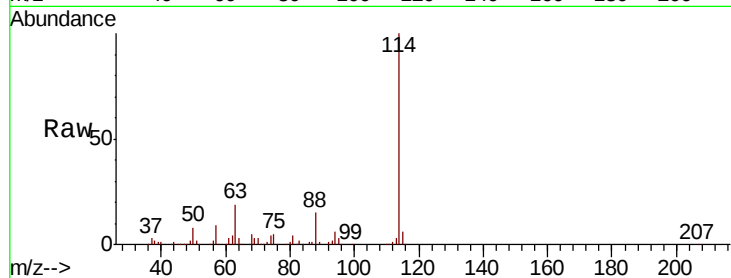




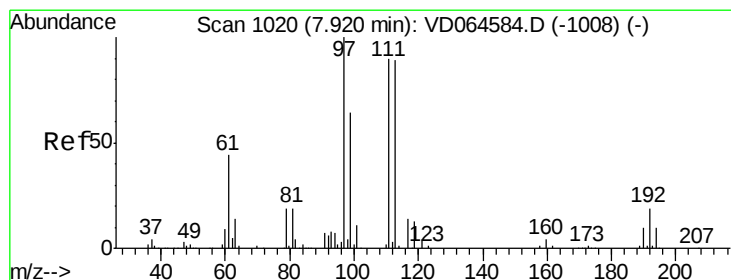
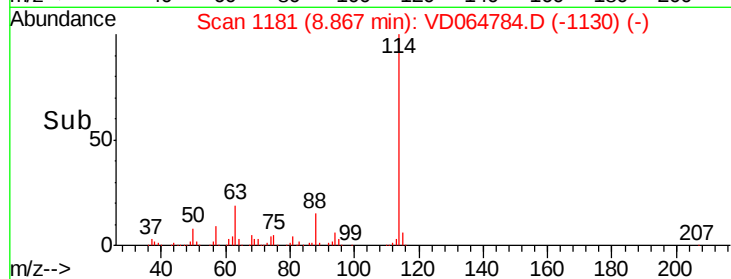
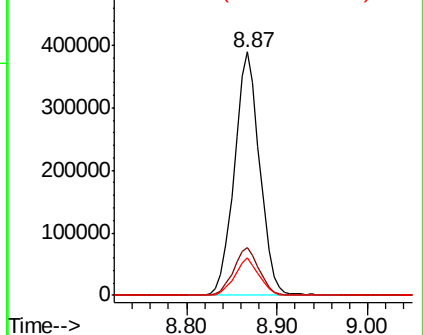
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064784.D
 Acq: 06 Jan 2020 20:32

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.0
88	15.2	0.0	29.2

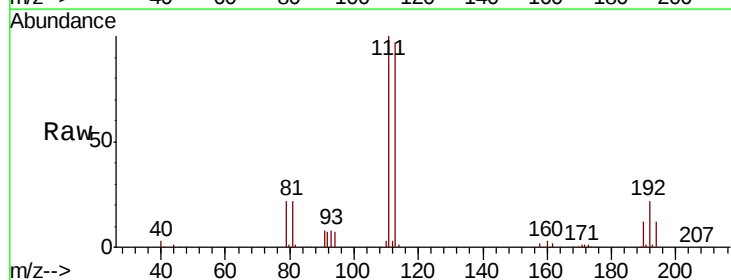


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

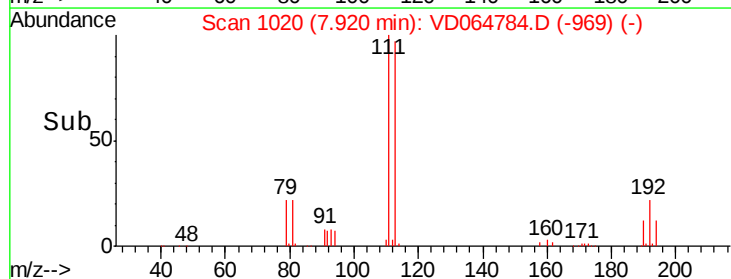
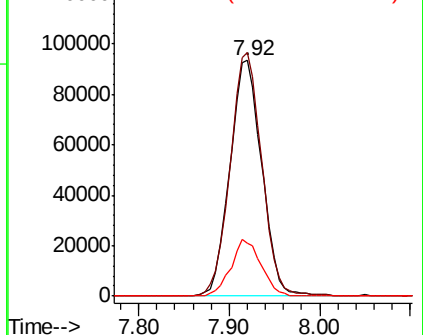


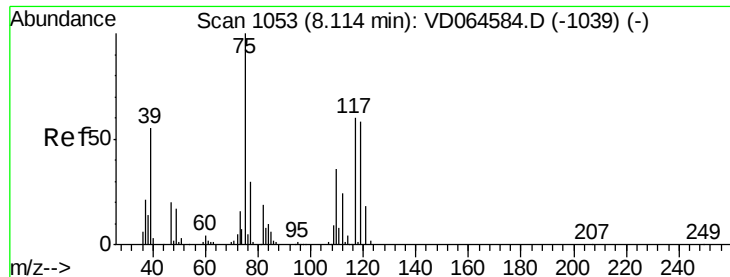
#35
 Dibromofluoromethane
 Concen: 49.178 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064784.D
 Acq: 06 Jan 2020 20:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	22.8	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: 4.978 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

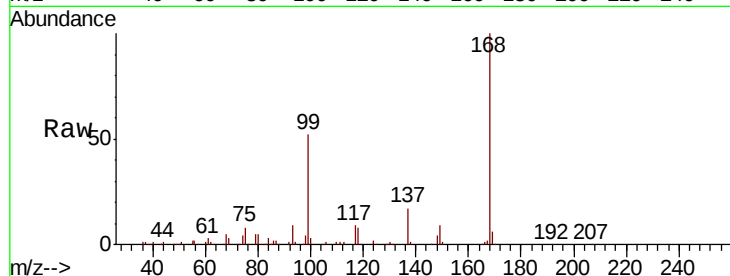
Tot Ion: 75 Resp: 36274

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

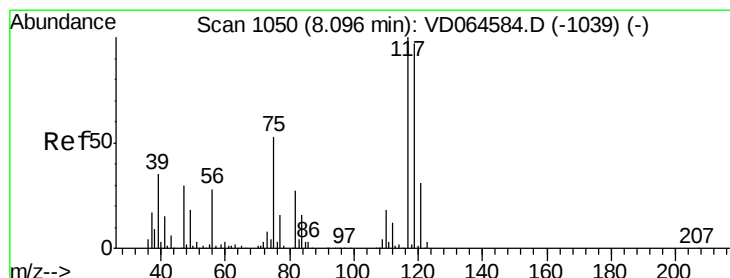
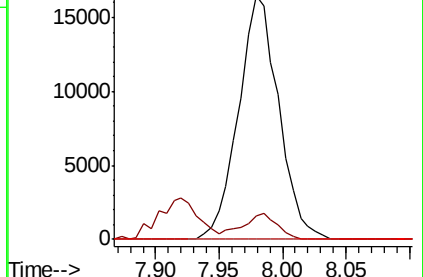
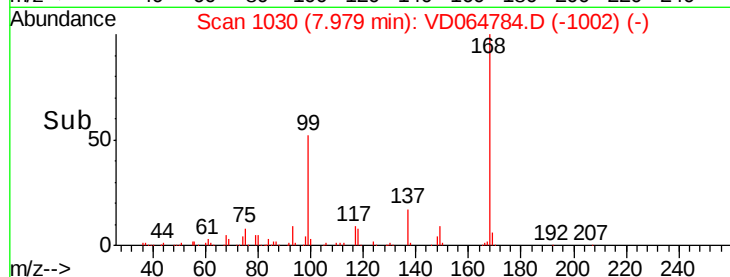
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064784.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD064784.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD064784.D (-1002) (-)



#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

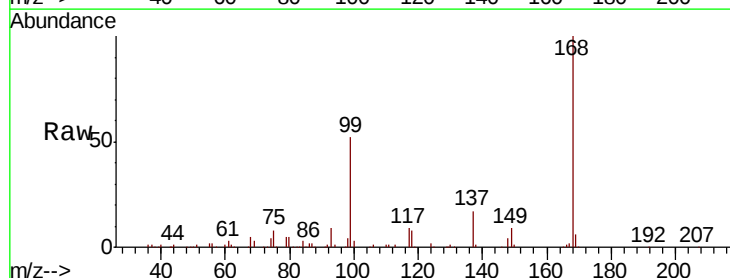
Tgt Ion: 117 Resp: 45195

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

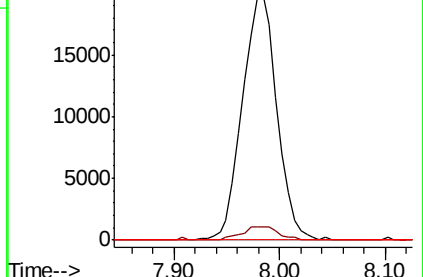
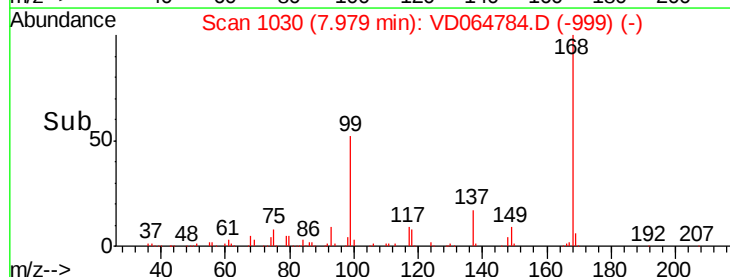
121 0.0 25.0 37.6#

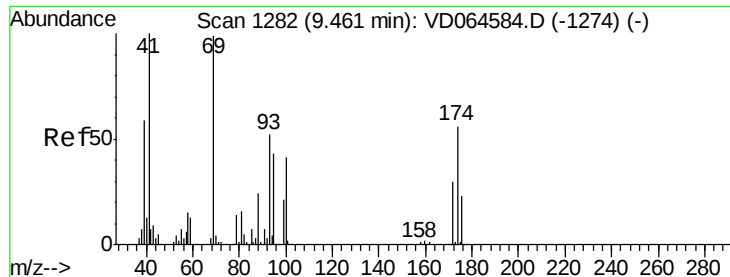


Abundance Ion 116.80 (116.50 to 117.50): VD064784.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064784.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064784.D (-999) (-)

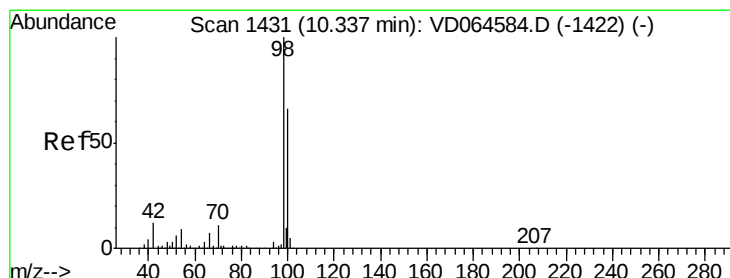
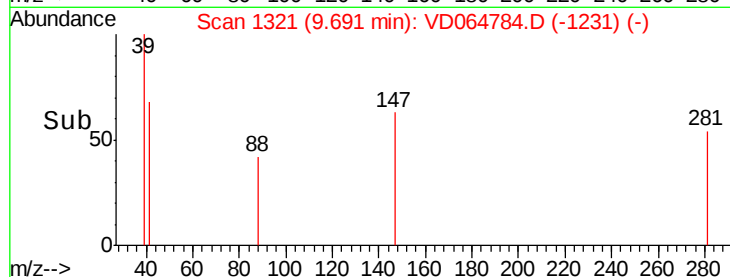
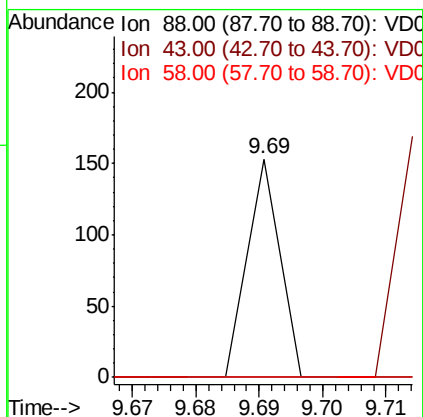
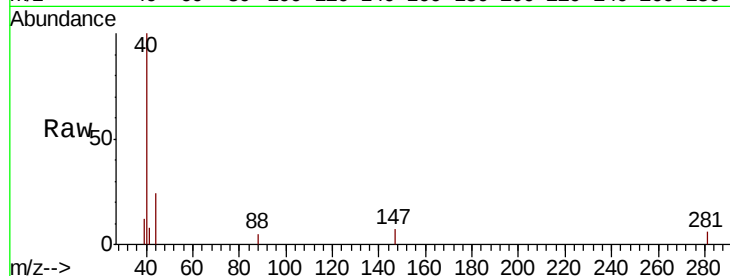




#49
 1,4-Dioxane
 Concen: 1.769 ug/l
 RT: 9.69 min Scan# 1321
 Delta R.T. 0.23 min
 Lab File: VD064784.D
 Acq: 06 Jan 2020 20:32

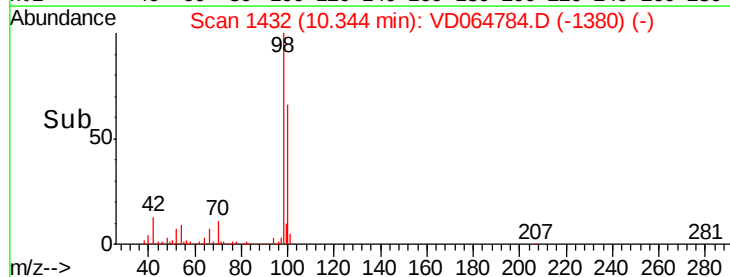
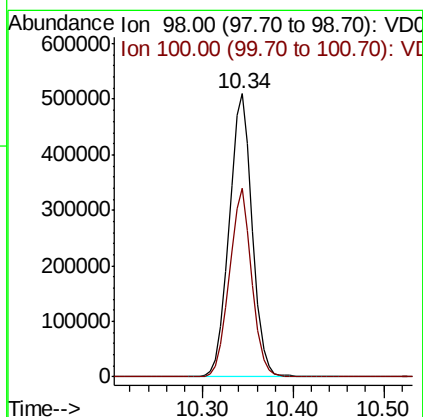
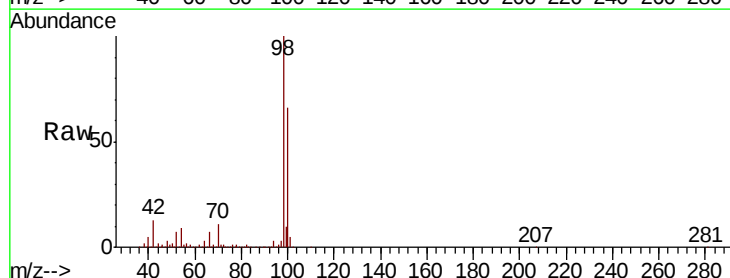
Instrument :
 MSVOA_D
 ClientSampleId :

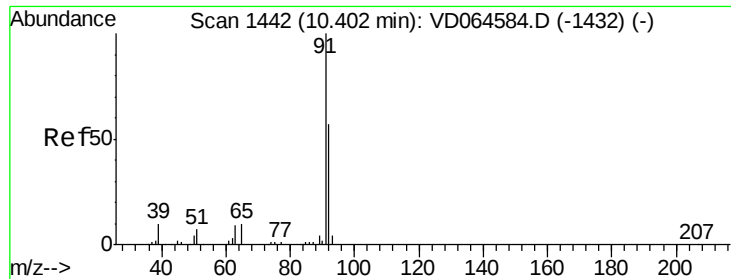
Tot Ion: 88 Resp: 54
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.7 41.5#
 58 0.0 53.8 80.6#



#50
 Toluene-d8
 Concen: 50.725 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064784.D
 Acq: 06 Jan 2020 20:32

Tgt Ion: 98 Resp: 902286
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.7 77.5





#52

Toluene

Concen: 2.678 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

Instrument :

MSVOA_D

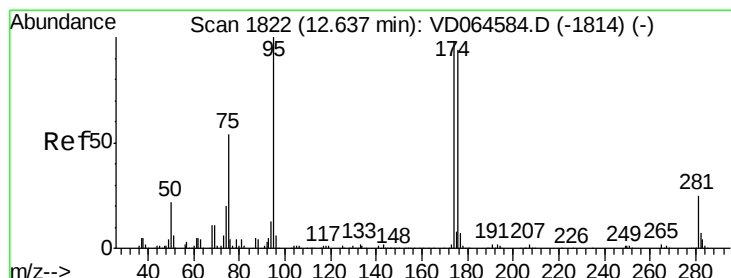
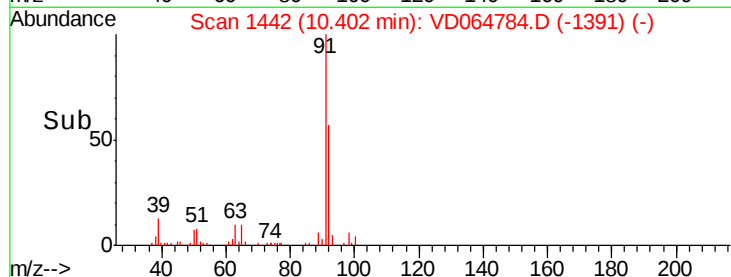
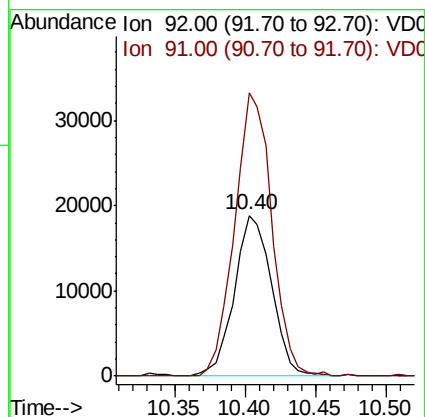
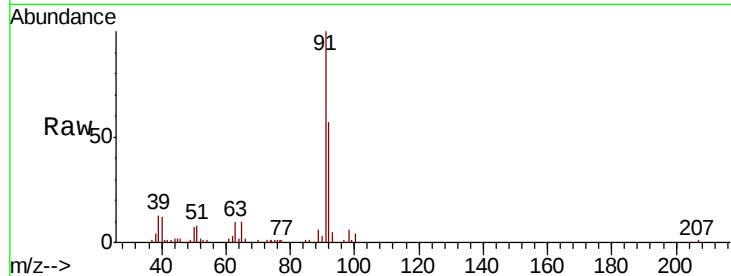
ClientSampleId :

Tot Ion: 92 Resp: 34946

Ion Ratio Lower Upper

92 100

91 174.6 138.7 208.1



#62

4-Bromofluorobenzene

Concen: 46.333 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

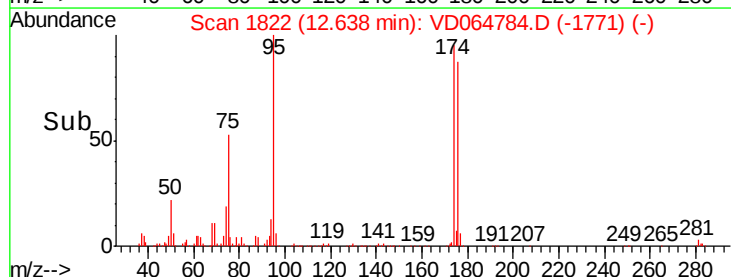
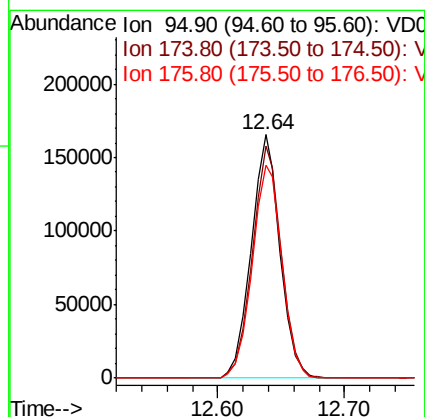
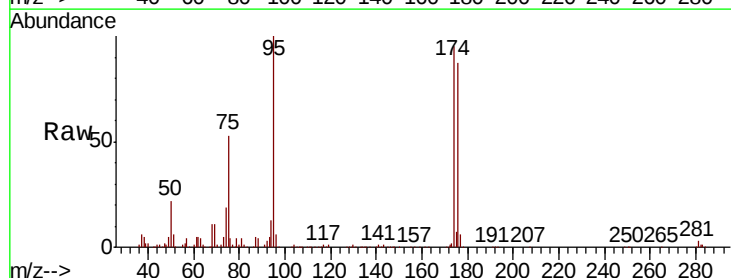
Tgt Ion: 95 Resp: 260605

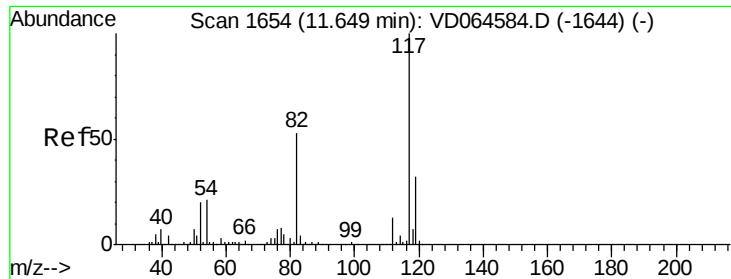
Ion Ratio Lower Upper

95 100

174 95.9 0.0 193.2

176 90.4 0.0 184.2

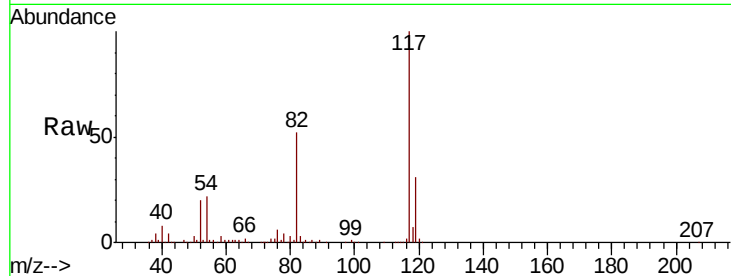




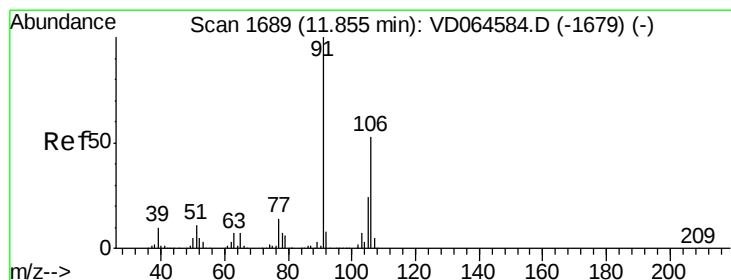
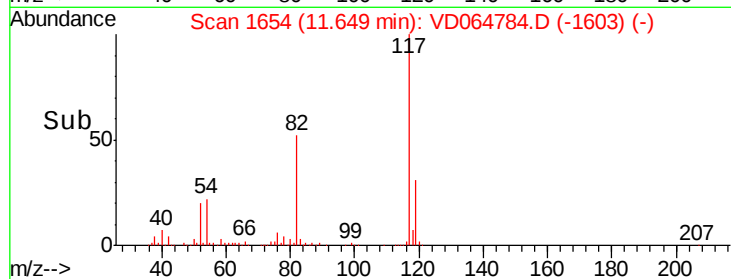
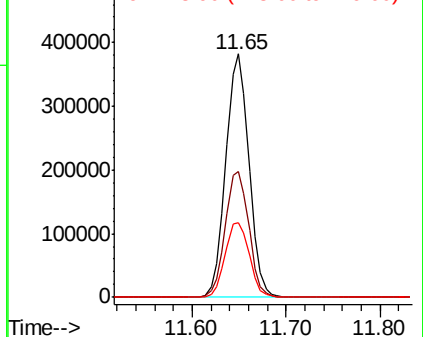
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064784.D
Acq: 06 Jan 2020 20:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 655281
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.4
119 30.7 26.0 39.0

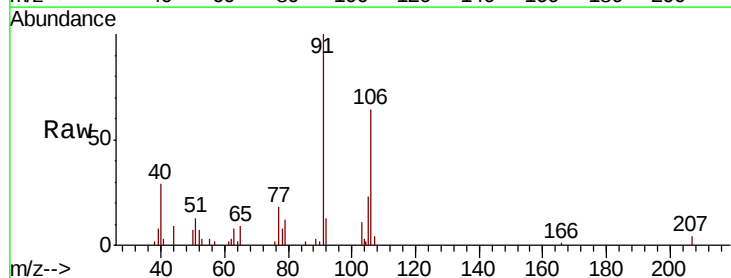


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

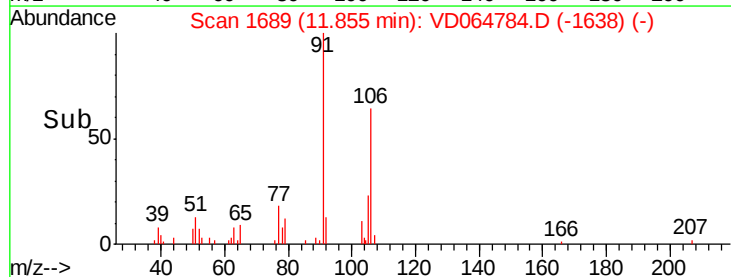
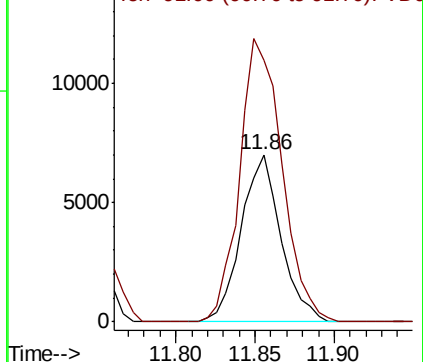


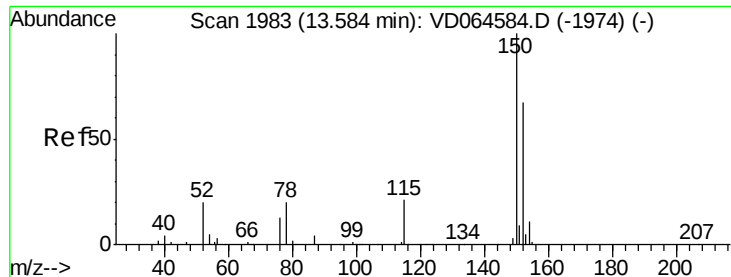
#68
m/p-Xylenes
Concen: 1.278 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064784.D
Acq: 06 Jan 2020 20:32

Tgt Ion:106 Resp: 12179
Ion Ratio Lower Upper
106 100
91 181.4 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VD064784.D

Acq: 06 Jan 2020 20:32

Instrument :

MSVOA_D

ClientSampled :

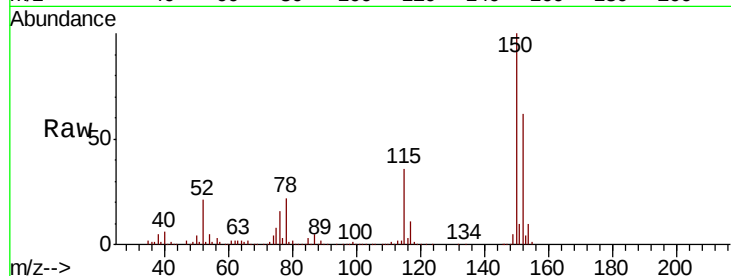
Tot Ion:152 Resp: 280883

Ion Ratio Lower Upper

152 100

115 57.2 27.8 83.4

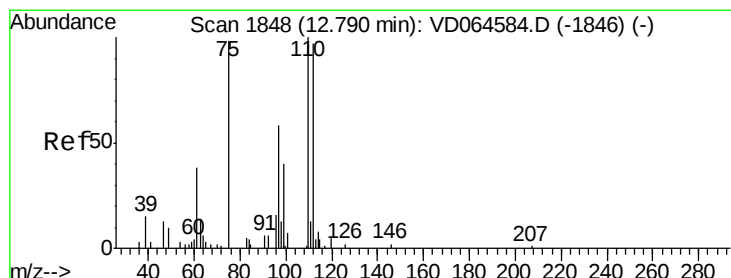
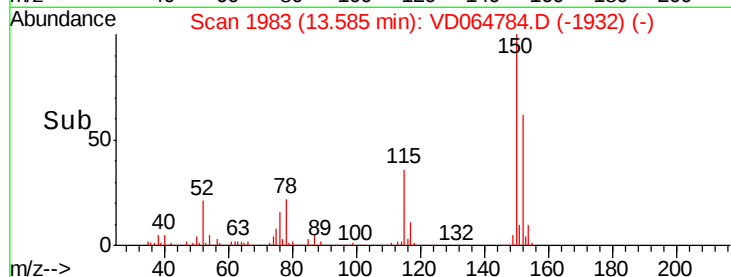
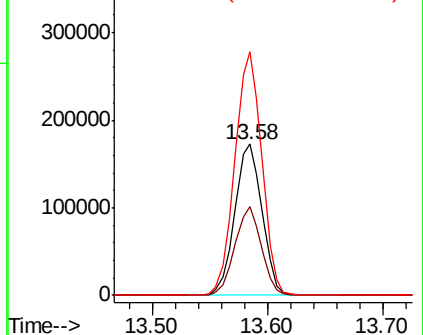
150 159.5 0.0 351.4



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: 62.967 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064784.D

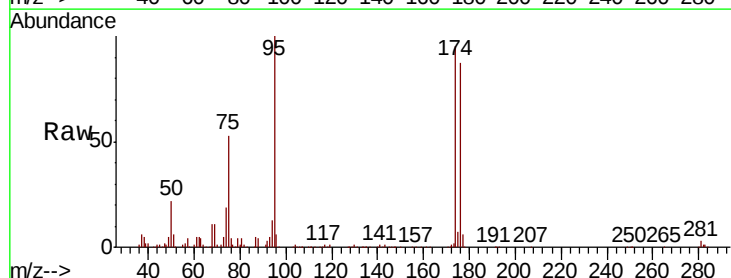
Acq: 06 Jan 2020 20:32

Tgt Ion: 75 Resp: 139662

Ion Ratio Lower Upper

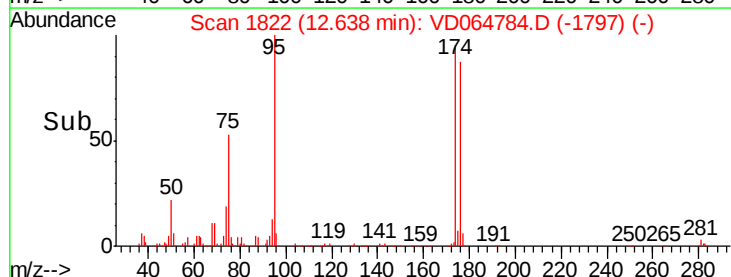
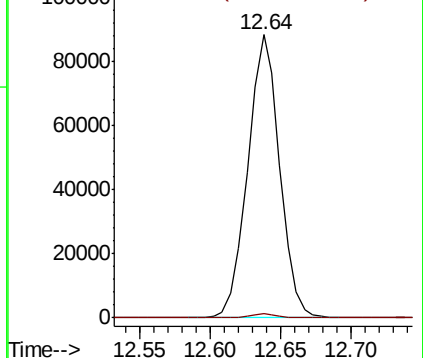
75 100

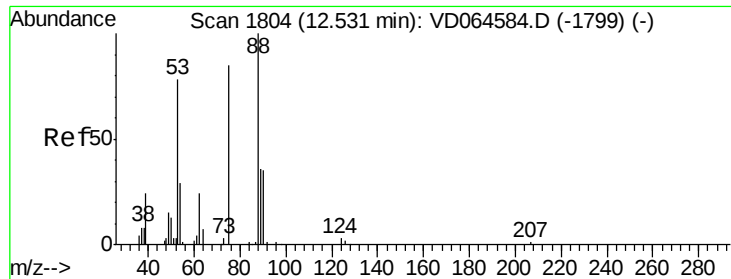
77 1.2 0.0 0.0#



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: 131.693 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064784.D

Acq: 06 Jan 2020 20:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 139662

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

