

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064922.D
 Acq On : 22 Jan 2020 17:35
 Operator : VA/SY
 Sample : L1214-05
 Misc : 4.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 23:18:38 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

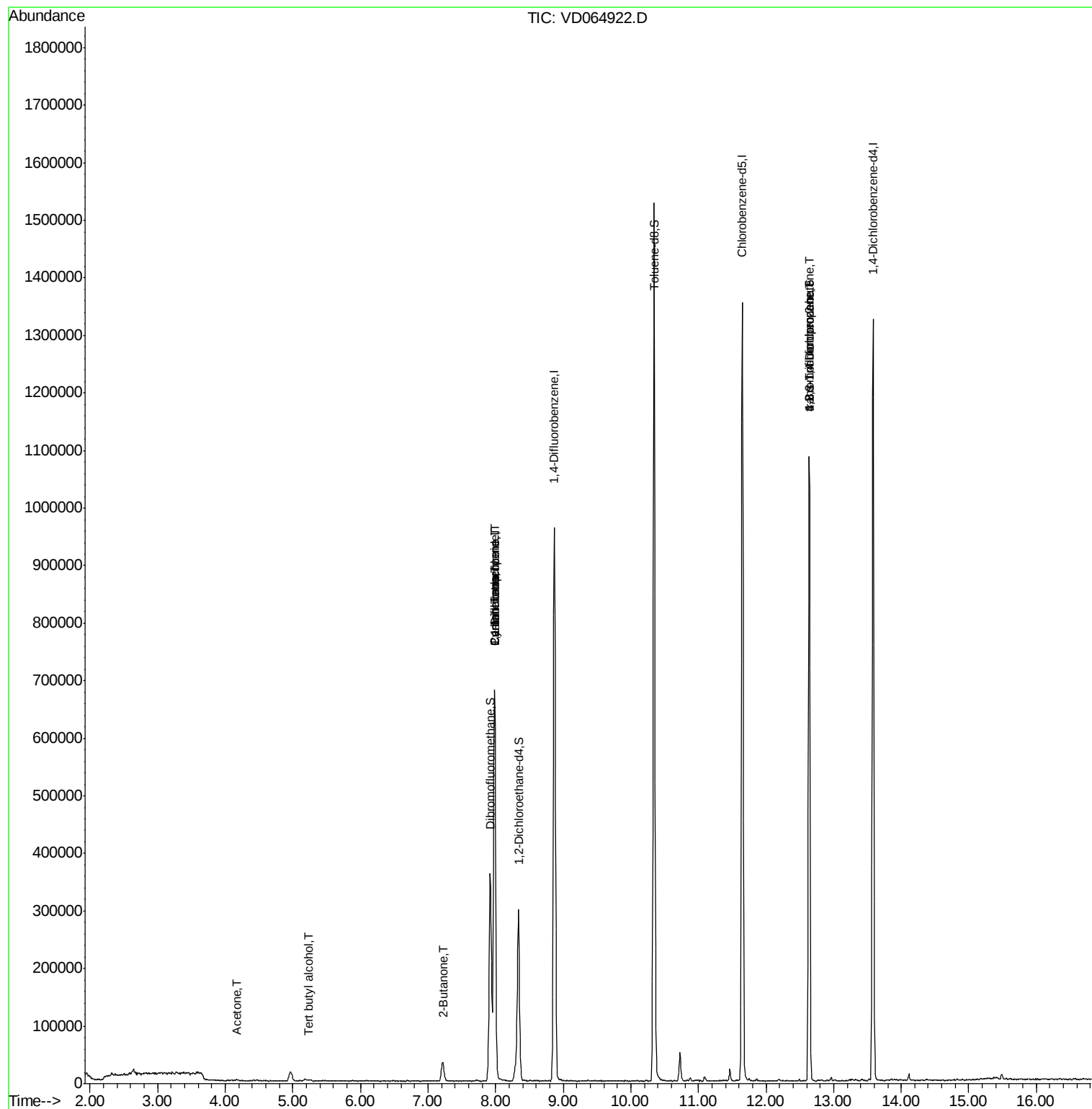
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	524909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	830682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	761720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	344791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	235134	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
35) Dibromofluoromethane	7.92	113	252065	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
50) Toluene-d8	10.34	98	1009208	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	315823	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	339	1.278	ug/l #	81
16) Acetone	4.17	43	3937	7.744	ug/l	92
20) Methylene Chloride	4.97	84	12159	Below Cal	#	85
25) 2-Butanone	7.21	43	1620	1.273	ug/l #	49
31) Cyclohexane	7.98	56	11668	1.352	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	39577	4.950	ug/l #	50
38) Carbon Tetrachloride	7.98	117	50913	5.972	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	168644	61.940	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	168644	129.546	ug/l #	10

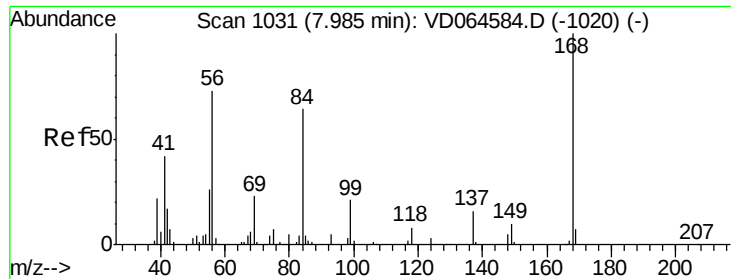
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012220\
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MSVOA_D
ClientSampleId :

Quant Time: Jan 22 23:18:38 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: VD064922.D

Acq: 22 Jan 2020 17:35

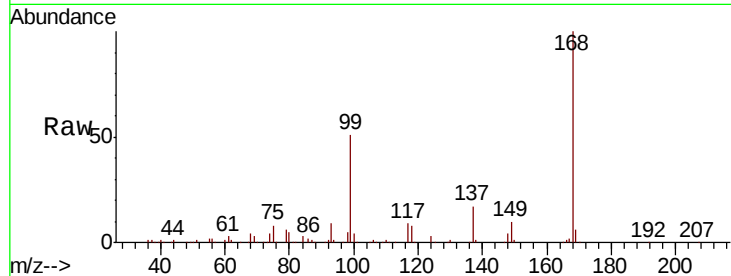
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 524909

Ion Ratio Lower Upper

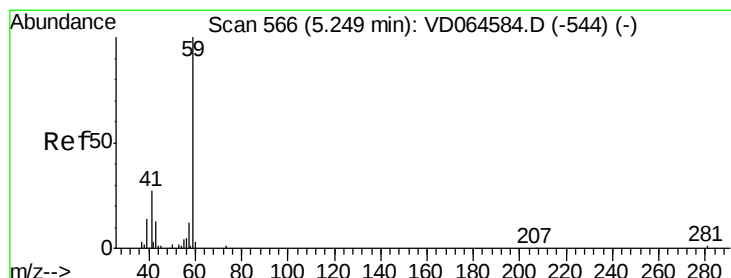
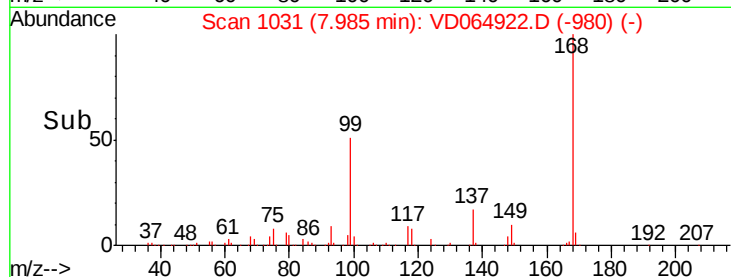
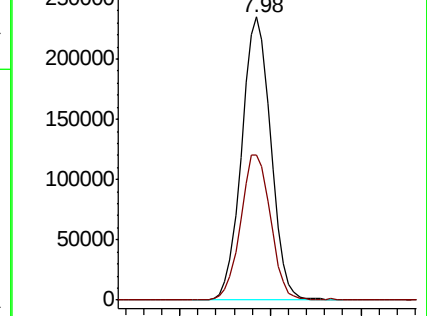
168 100

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



#11

Tert butyl alcohol

Concen: 1.278 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD064922.D

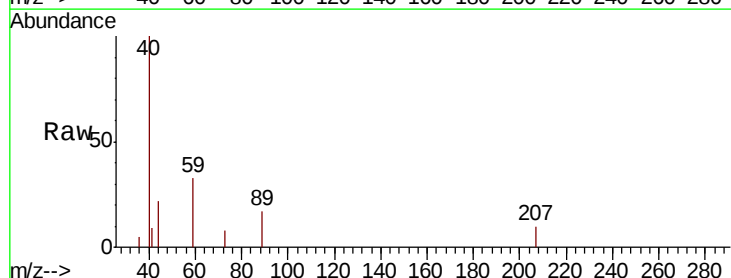
Acq: 22 Jan 2020 17:35

Tgt Ion: 59 Resp: 339

Ion Ratio Lower Upper

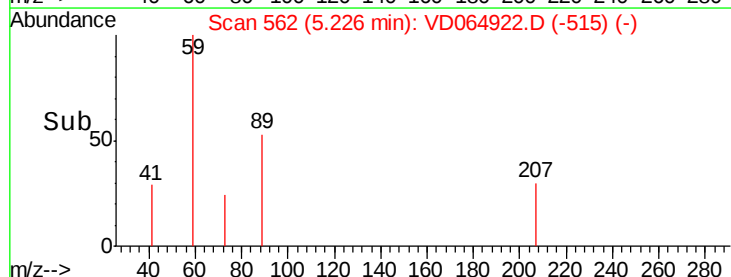
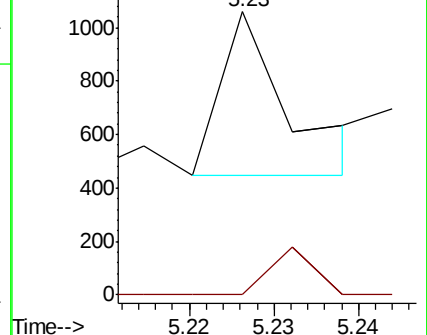
59 100

57 18.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 7.744 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

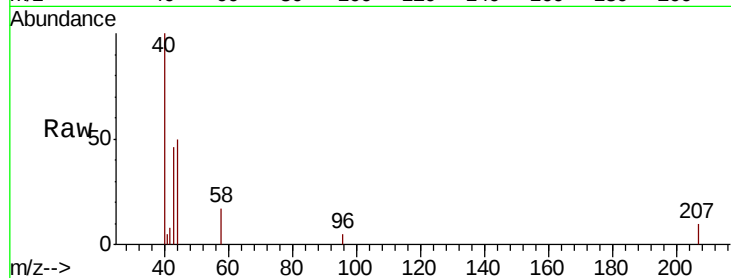
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3937

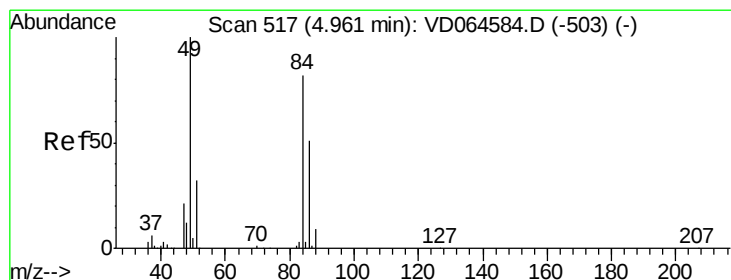
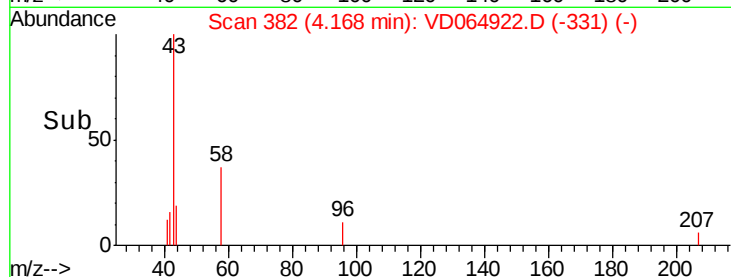
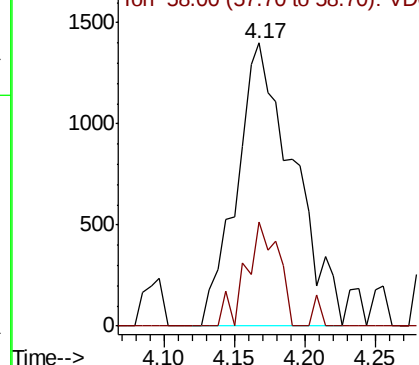
Ion Ratio Lower Upper

43 100

58 36.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

Tgt Ion: 84 Resp: 12159

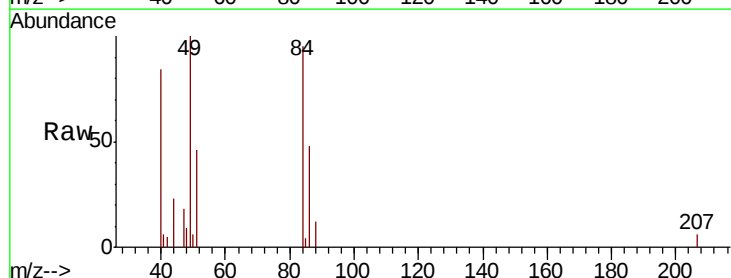
Ion Ratio Lower Upper

84 100

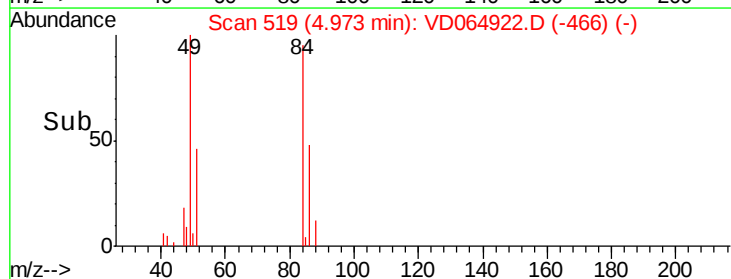
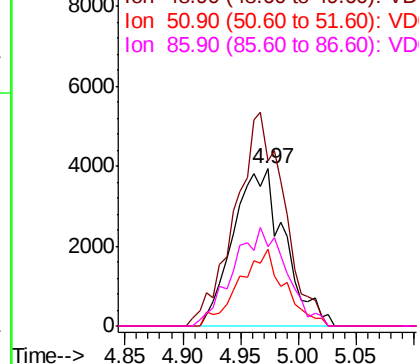
49 105.4 97.2 145.8

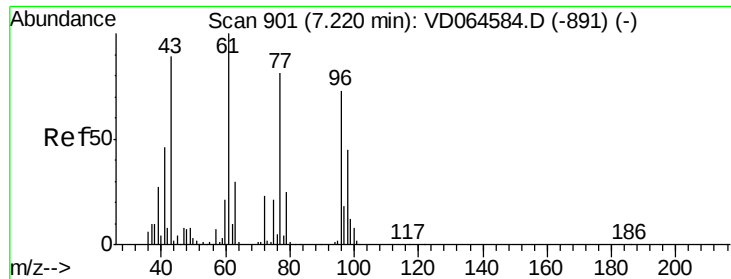
51 48.8 31.4 47.0#

86 50.7 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





#25

2-Butanone

Concen: 1.273 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

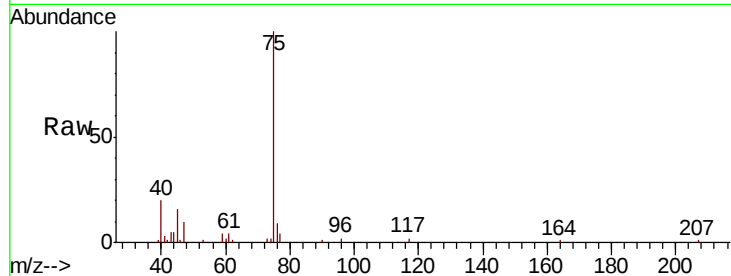
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1620

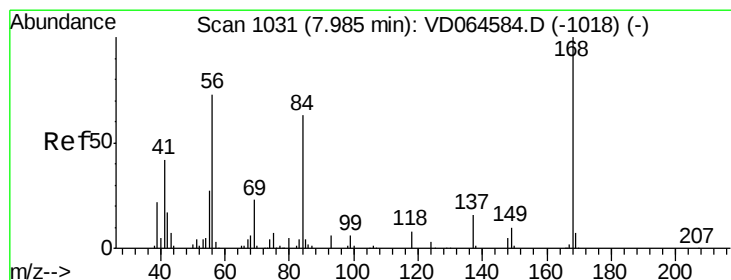
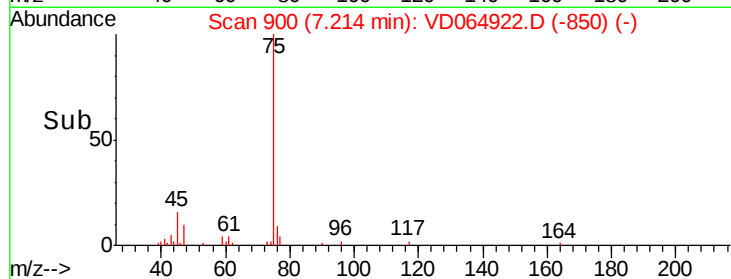
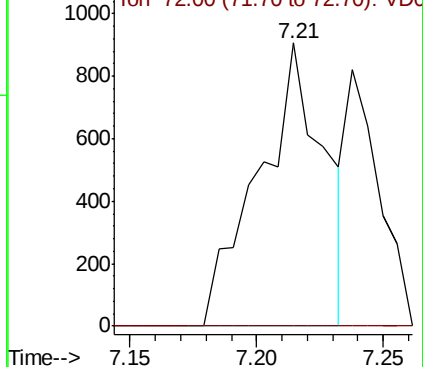
Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

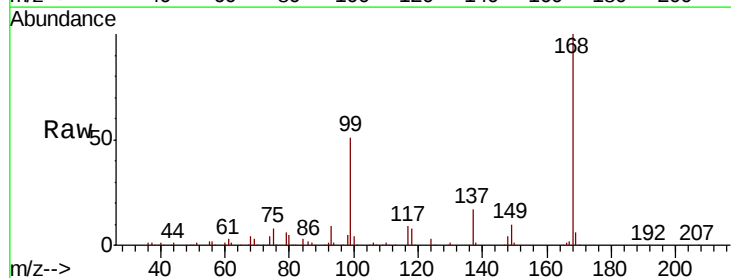
Tgt Ion: 56 Resp: 11668

Ion Ratio Lower Upper

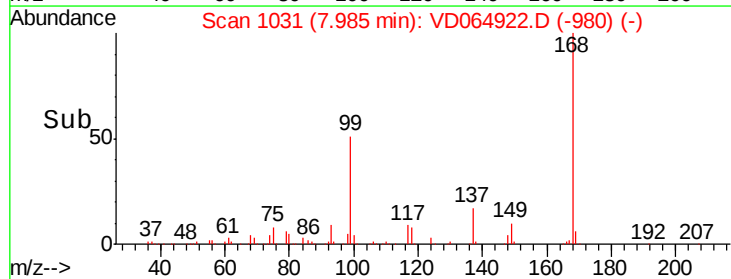
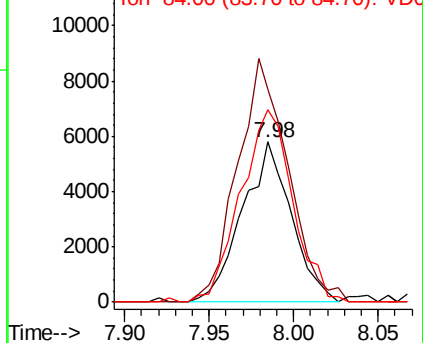
56 100

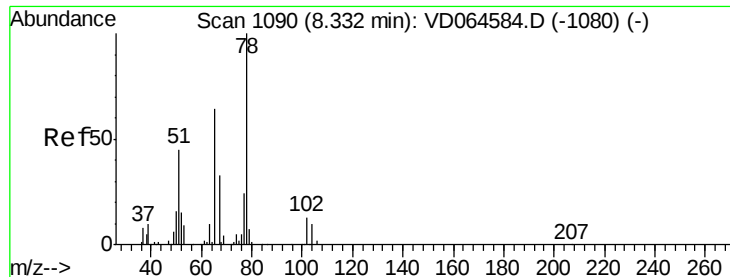
69 132.9 24.7 37.1#

84 119.9 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

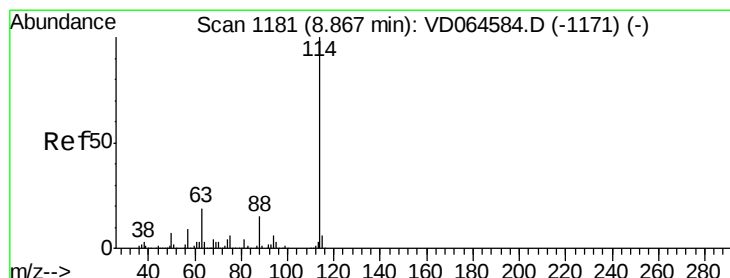
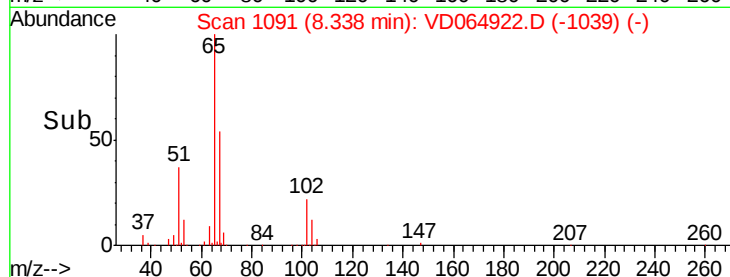
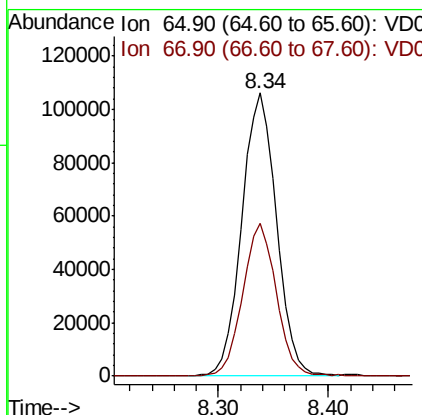
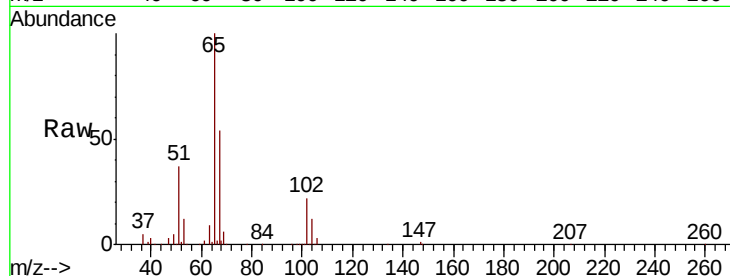




#33
 1,2-Dichloroethane-d4
 Concen: 50.800 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064922.D
 Acq: 22 Jan 2020 17:35

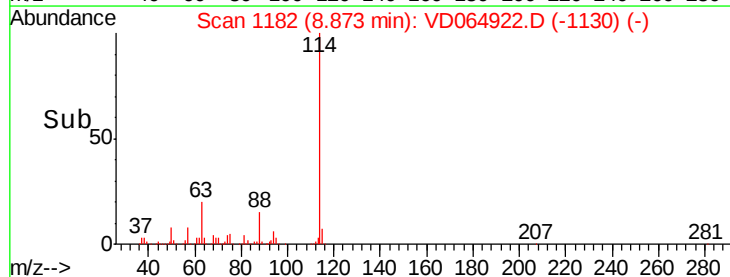
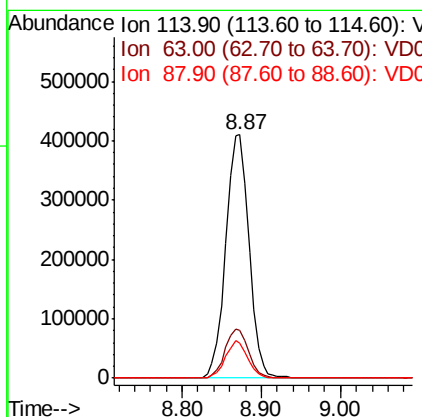
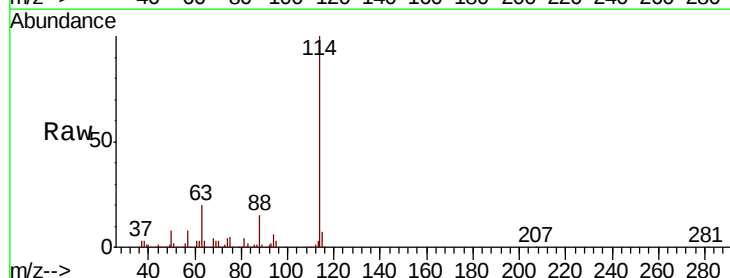
Instrument :
 MSVOA_D
 ClientSampleId :

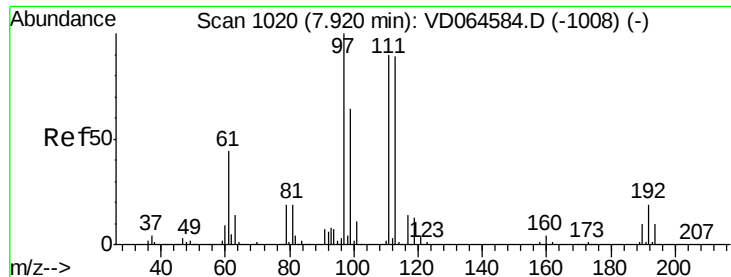
Tot Ion: 65 Resp: 235134
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064922.D
 Acq: 22 Jan 2020 17:35

Tgt Ion: 114 Resp: 830682
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.0
 88 14.6 0.0 29.2

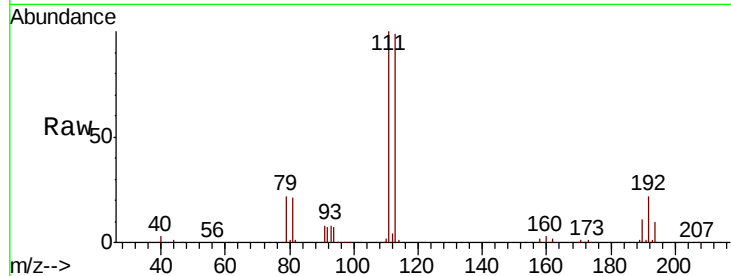




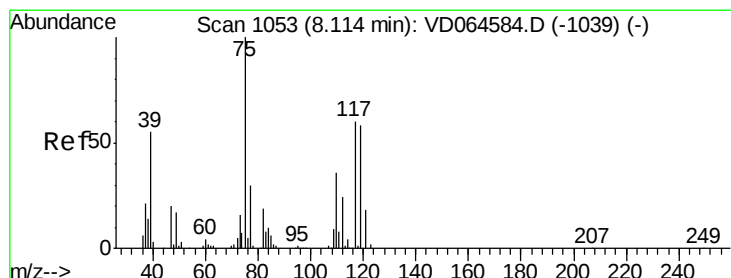
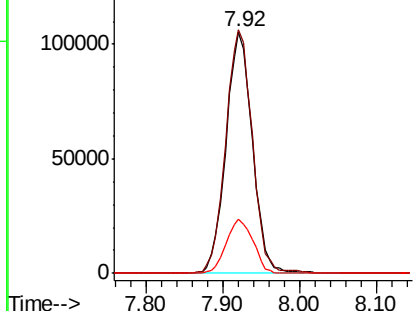
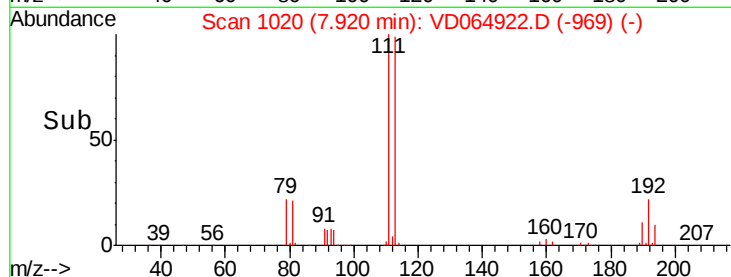
#35
 Dibromofluoromethane
 Concen: 49.460 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064922.D
 Acq: 22 Jan 2020 17:35

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.6	121.0
192	22.7	17.9	26.9

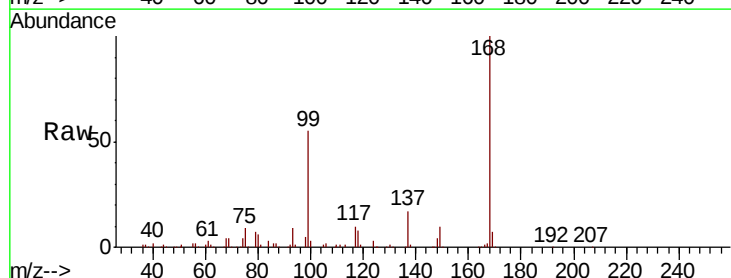


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

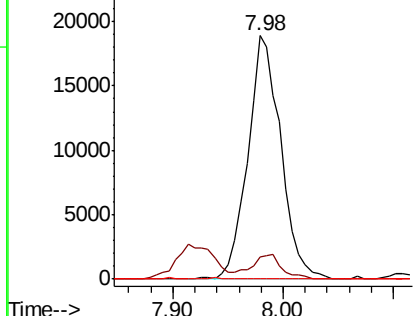
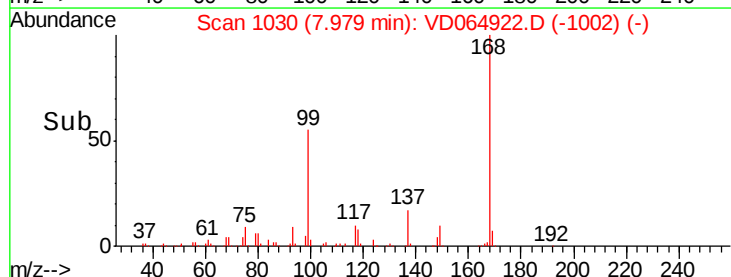


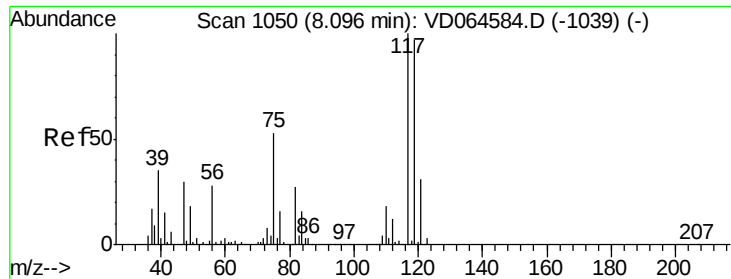
#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064922.D
 Acq: 22 Jan 2020 17:35

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: 5.972 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

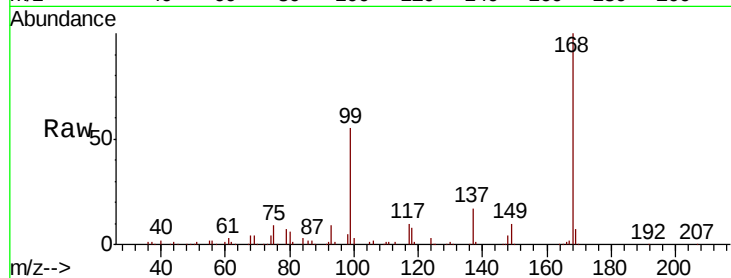
Tot Ion:117 Resp: 50913

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

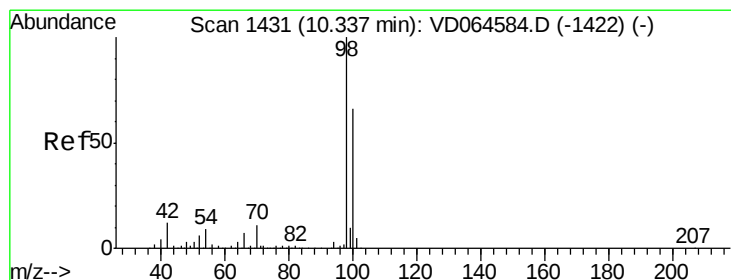
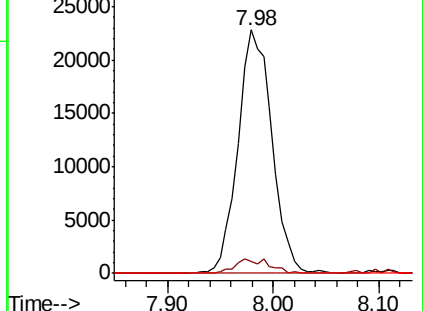
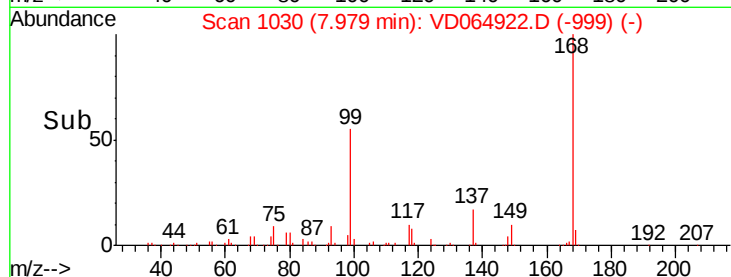
121 0.0 25.0 37.6#



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: 51.705 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064922.D

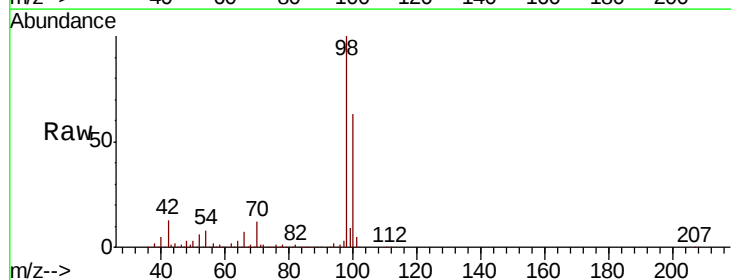
Acq: 22 Jan 2020 17:35

Tgt Ion: 98 Resp: 1009208

Ion Ratio Lower Upper

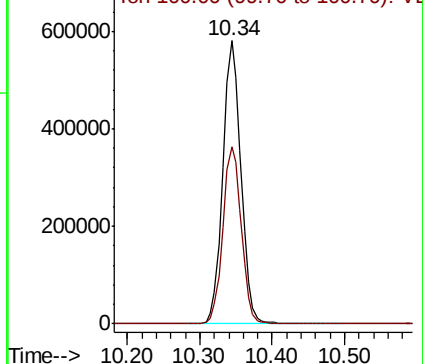
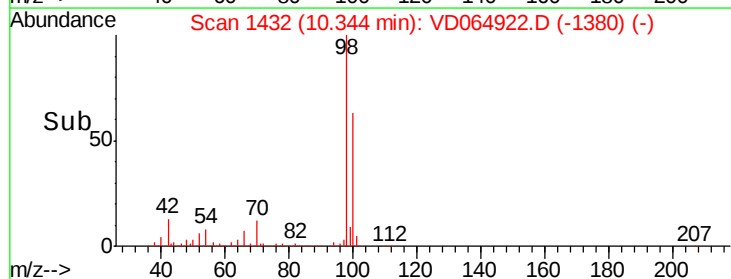
98 100

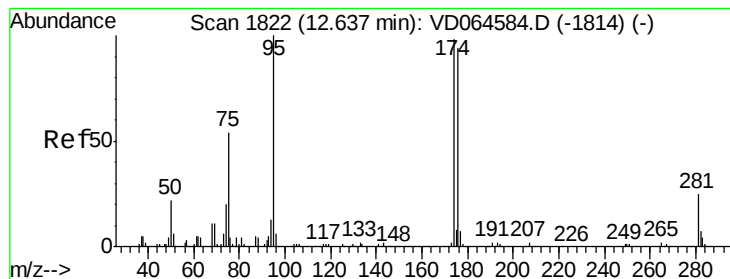
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.170 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

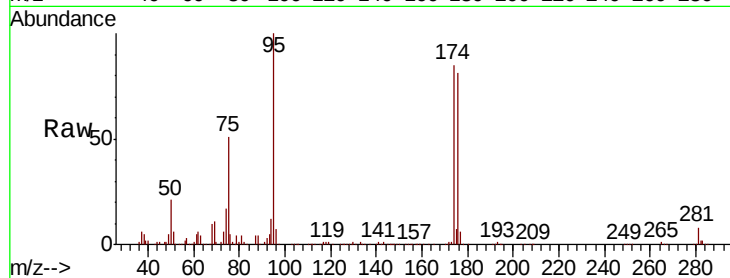
Tot Ion: 95 Resp: 315823

Ion Ratio Lower Upper

95 100

174 92.0 0.0 193.2

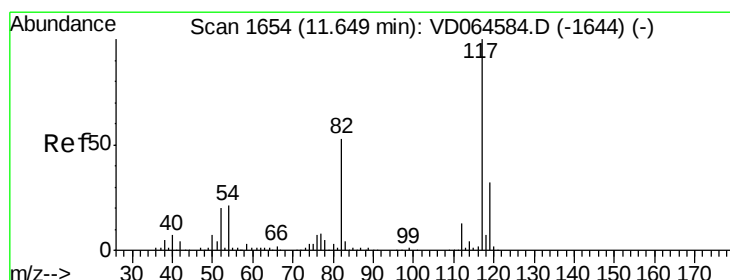
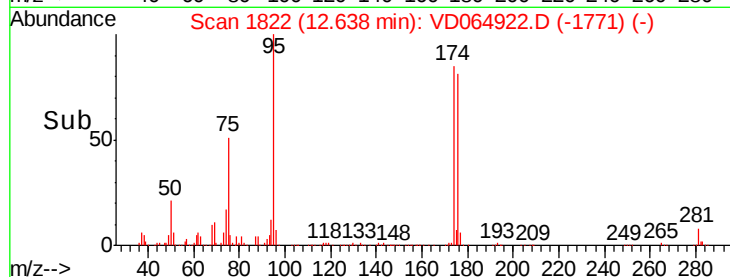
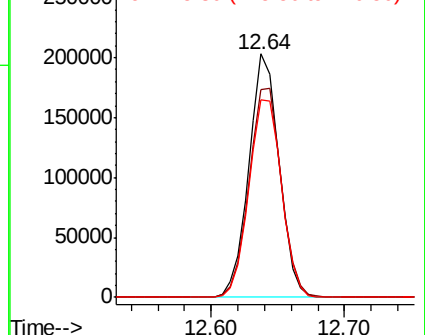
176 88.0 0.0 184.2



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: VD064922.D

Acq: 22 Jan 2020 17:35

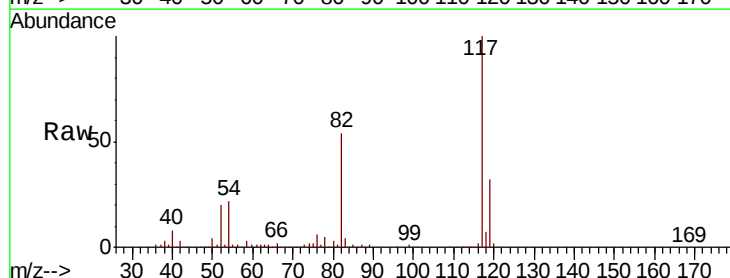
Tgt Ion: 117 Resp: 761720

Ion Ratio Lower Upper

117 100

82 53.5 42.2 63.4

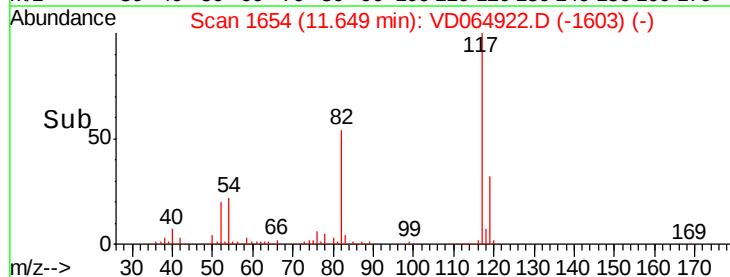
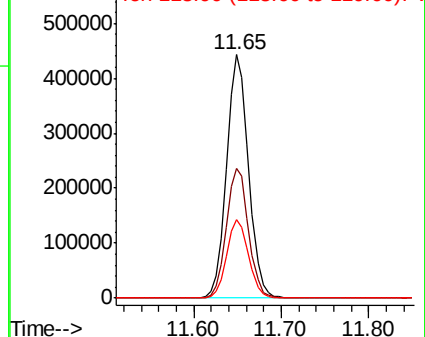
119 32.1 26.0 39.0

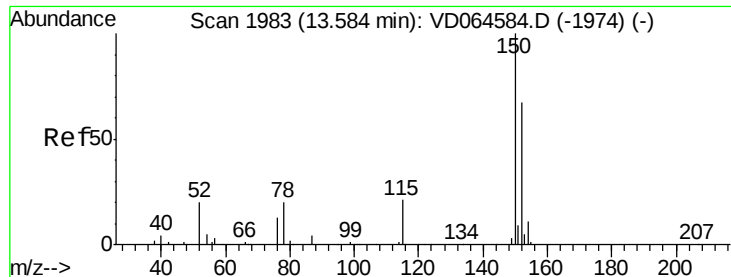


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064922.D

Acq: 22 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

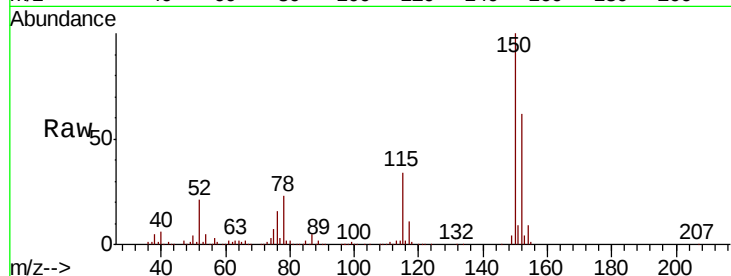
Tot Ion:152 Resp: 344791

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

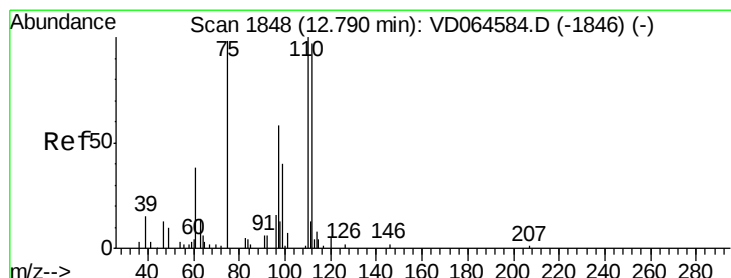
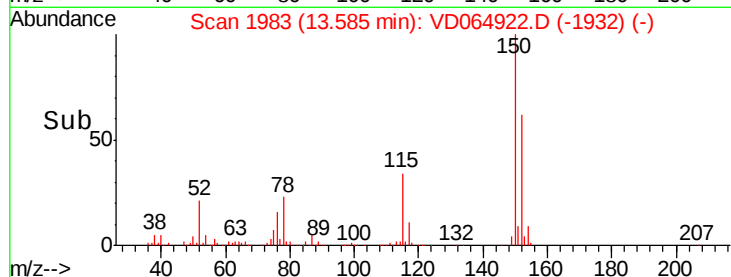
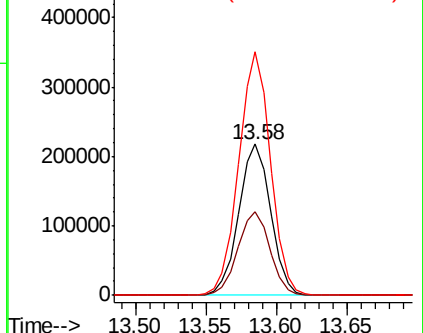
150 159.8 0.0 351.4



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: 61.940 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064922.D

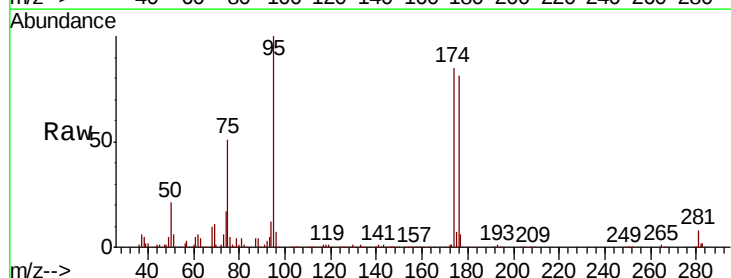
Acq: 22 Jan 2020 17:35

Tgt Ion: 75 Resp: 168644

Ion Ratio Lower Upper

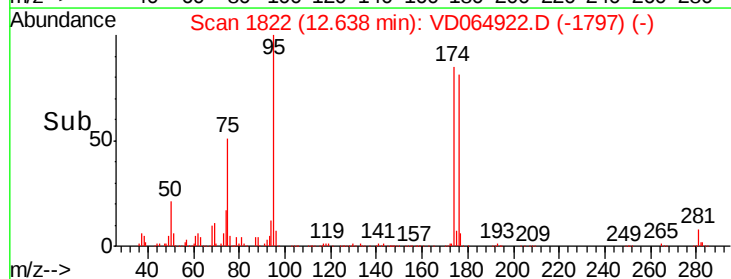
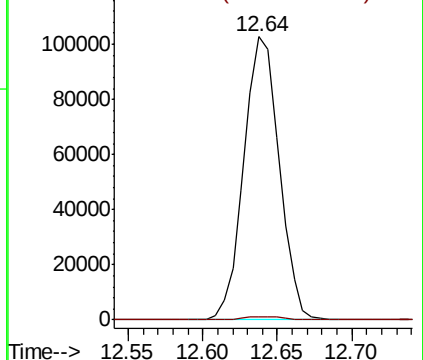
75 100

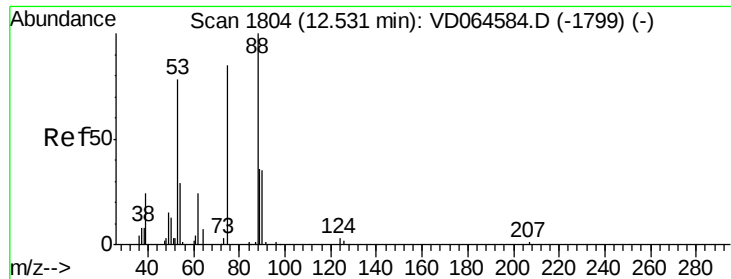
77 1.2 0.0 0.0#



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: 129.546 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064922.D

Acq: 22 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

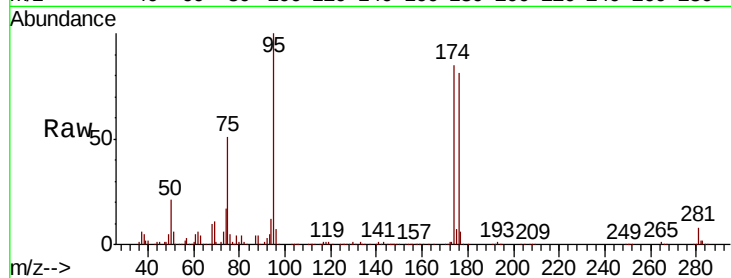
Tot Ion: 75 Resp: 168644

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.1 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

