

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064604.D
 Acq On : 26 Dec 2019 17:33
 Operator : VA/SY
 Sample : K6437-03
 Misc : 6.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-1-(1-3)

Quant Time: Dec 27 01:41:23 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

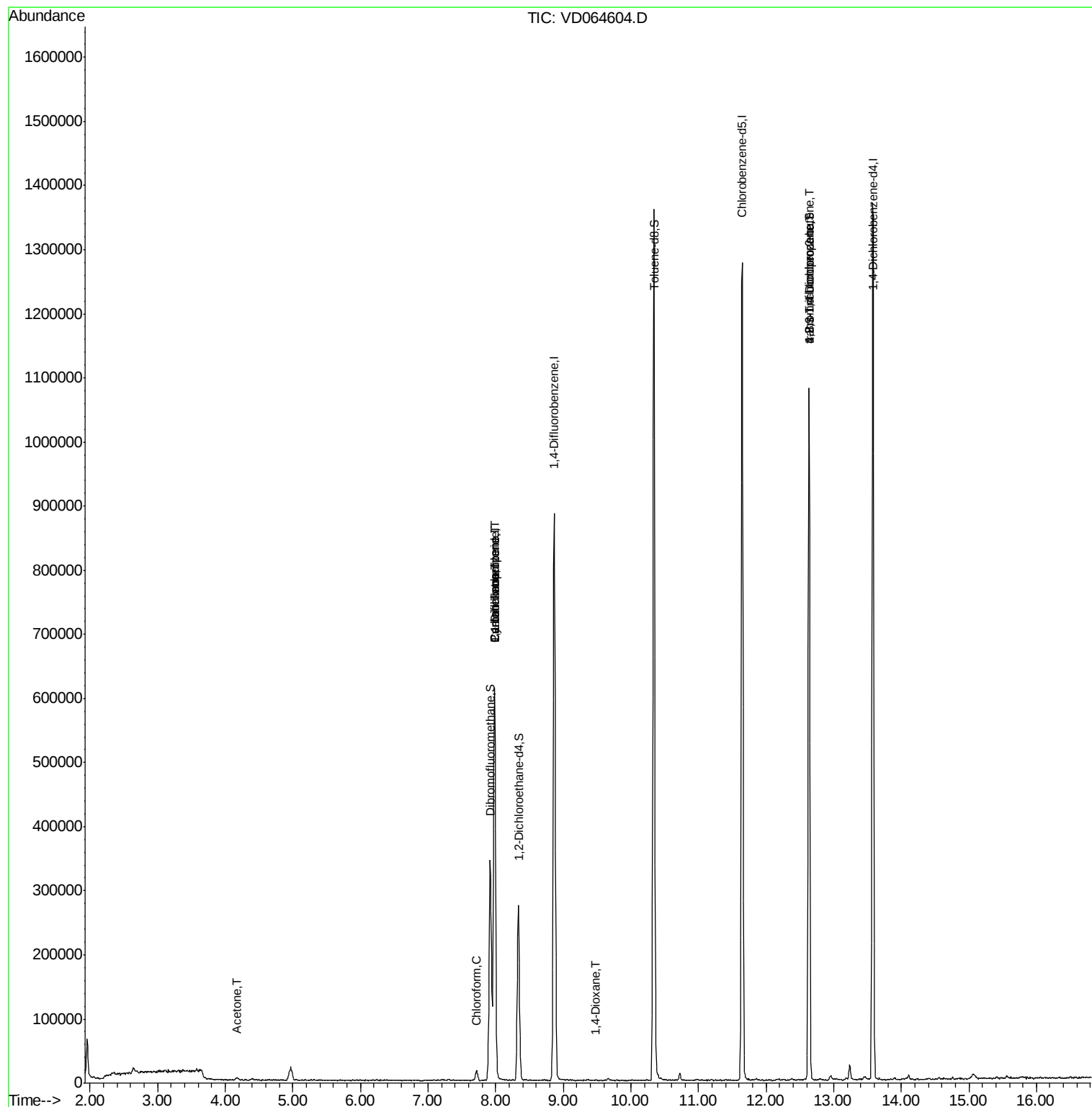
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	487366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	768467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	745369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	219413	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.92	113	238116	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.34	98	925698	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.64	95	322217	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	5084	9.134	ug/l #	85
20) Methylene Chloride	4.97	84	15186	Below Cal		94
30) Chloroform	7.72	83	13412	1.597	ug/l	98
31) Cyclohexane	7.98	56	9079	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34560	4.672	ug/l #	49
38) Carbon Tetrachloride	7.98	117	43986	5.577	ug/l #	15
49) 1,4-Dioxane	9.47	88	57	1.839	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	170448	58.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	170448	122.457	ug/l #	10

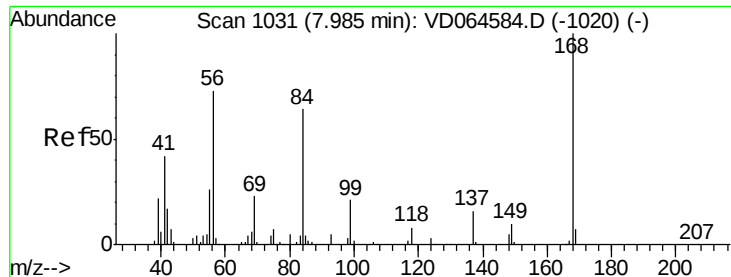
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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Quant Time: Dec 27 01:41:23 2019
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: VD064604.D

Acq: 26 Dec 2019 17:33

Instrument :

MSVOA_D

ClientSampleId :

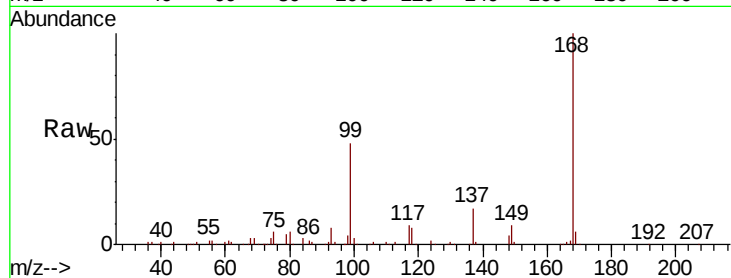
GP-1-(1-3)

Tot Ion:168 Resp: 487366

Ion Ratio Lower Upper

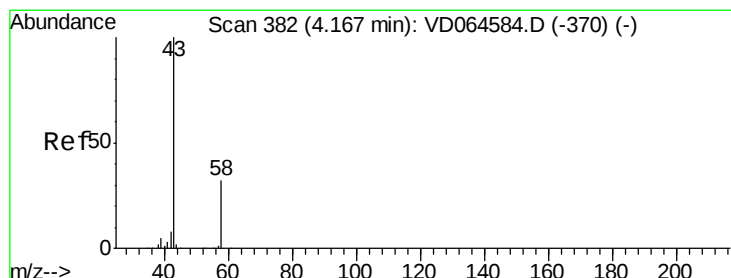
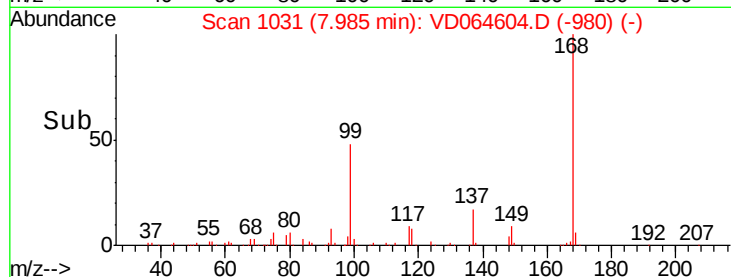
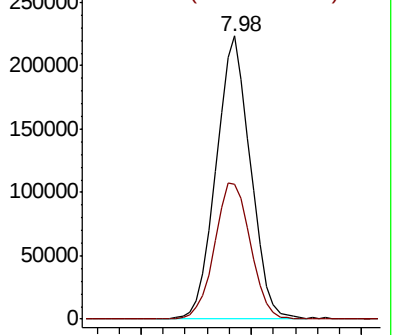
168 100

99 47.5 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: 9.134 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064604.D

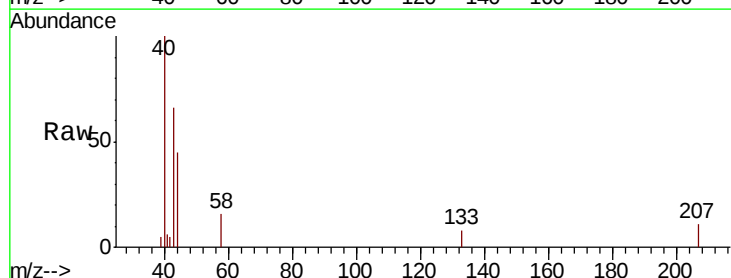
Acq: 26 Dec 2019 17:33

Tgt Ion: 43 Resp: 5084

Ion Ratio Lower Upper

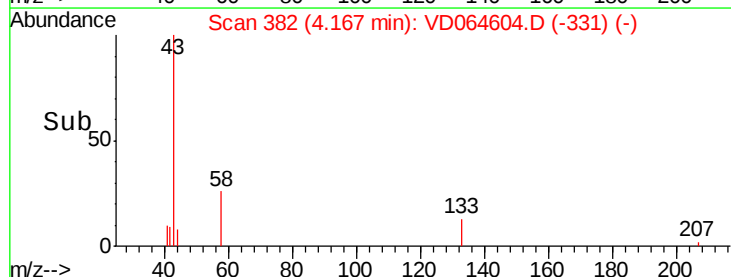
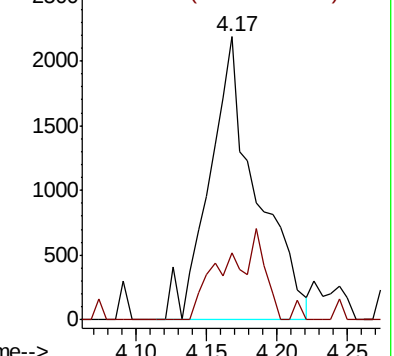
43 100

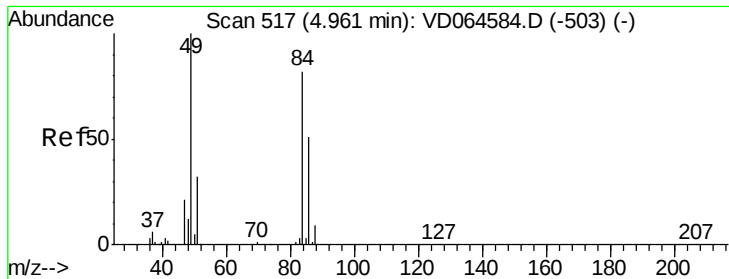
58 23.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

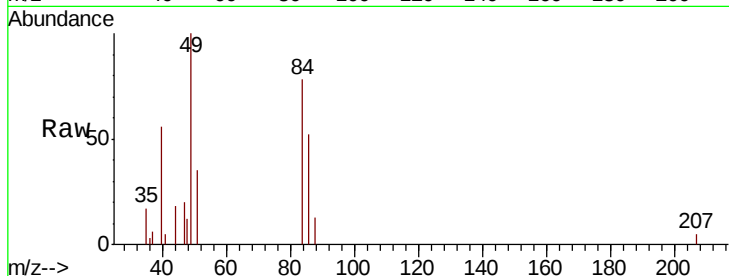




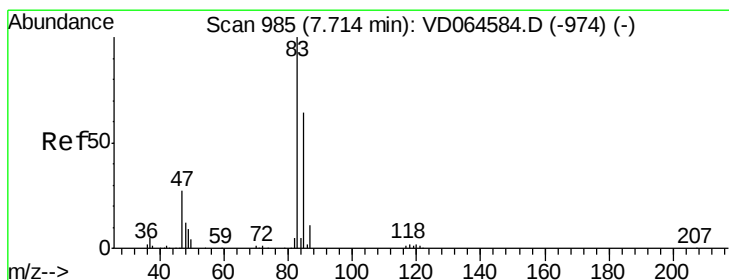
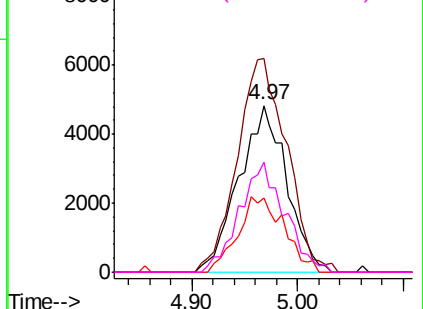
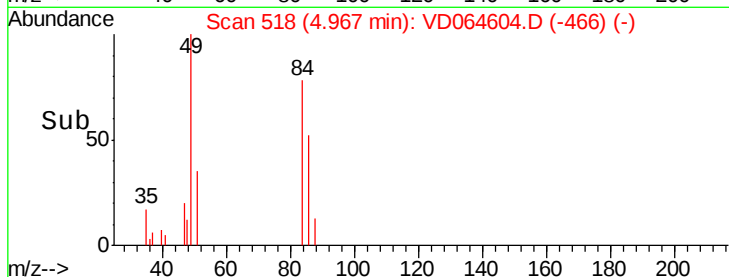
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064604.D
Acq: 26 Dec 2019 17:33

Instrument :
MSVOA_D
ClientSampleId :
GP-1-(1-3)

Tot Ion: 84 Resp: 15186
Ion Ratio Lower Upper
84 100
49 127.9 97.2 145.8
51 44.6 31.4 47.0
86 66.2 49.3 73.9

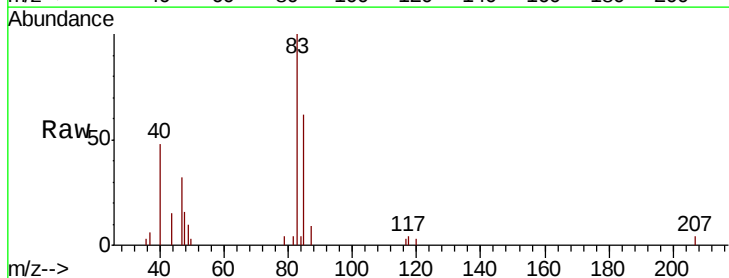


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

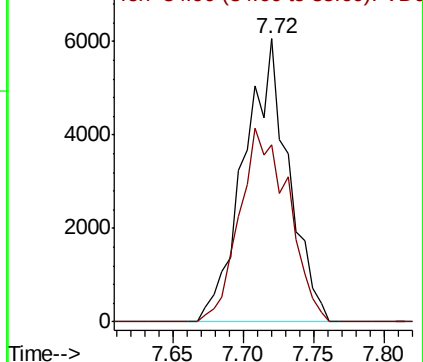
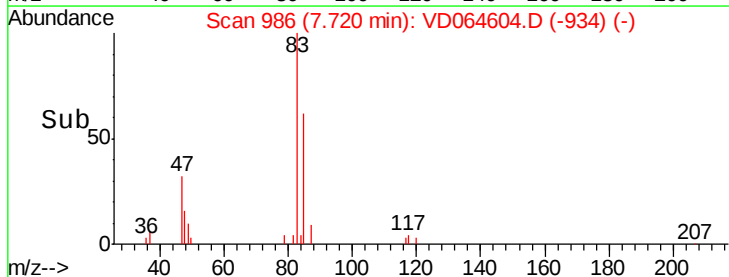


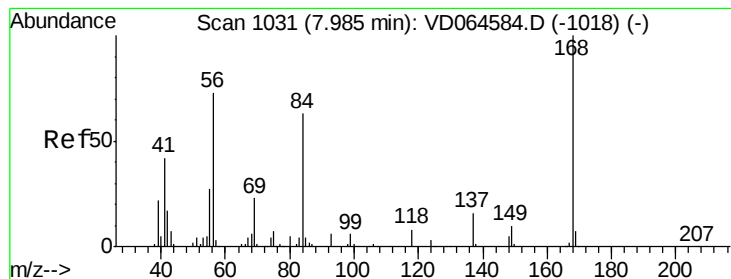
#30
Chloroform
Concen: 1.597 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064604.D
Acq: 26 Dec 2019 17:33

Tgt Ion: 83 Resp: 13412
Ion Ratio Lower Upper
83 100
85 62.4 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

Instrument :

MSVOA_D

ClientSampleId :

GP-1-(1-3)

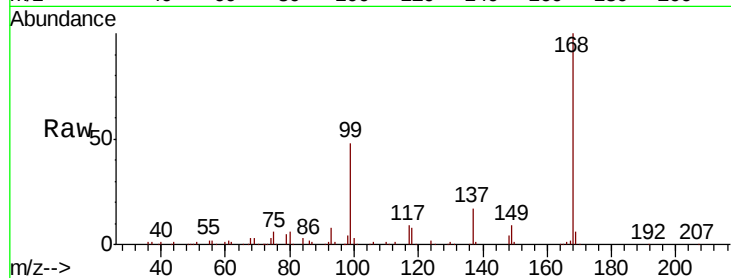
Tot Ion: 56 Resp: 9079

Ion Ratio Lower Upper

56 100

69 169.9 24.7 37.1#

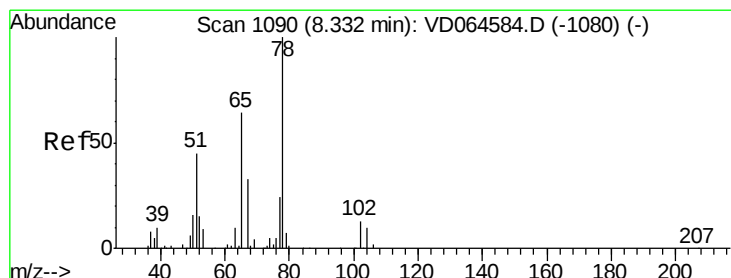
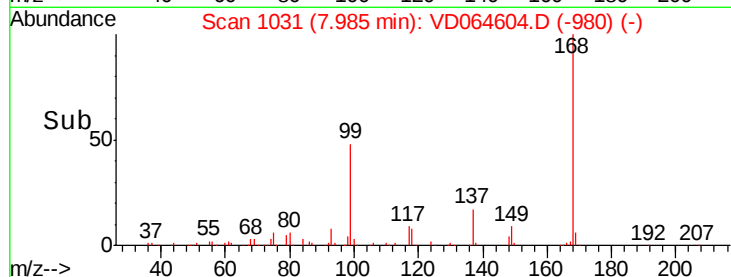
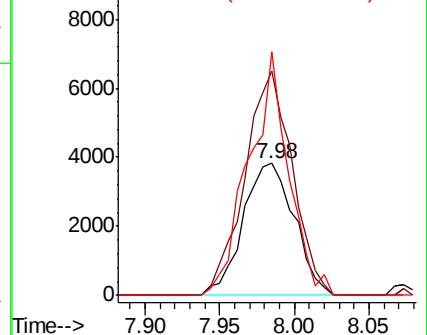
84 184.4 69.4 104.2#



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: 51.056 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064604.D

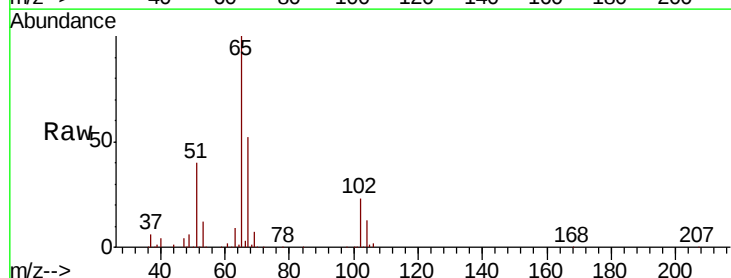
Acq: 26 Dec 2019 17:33

Tgt Ion: 65 Resp: 219413

Ion Ratio Lower Upper

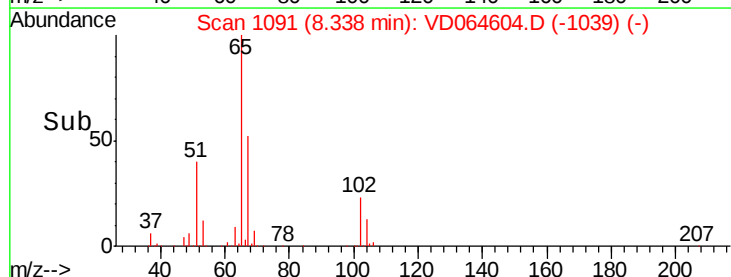
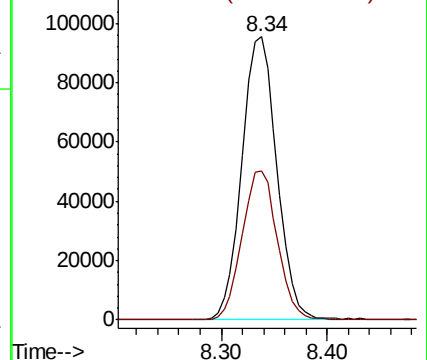
65 100

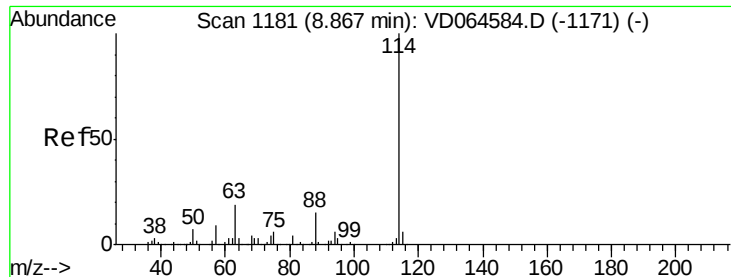
67 53.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

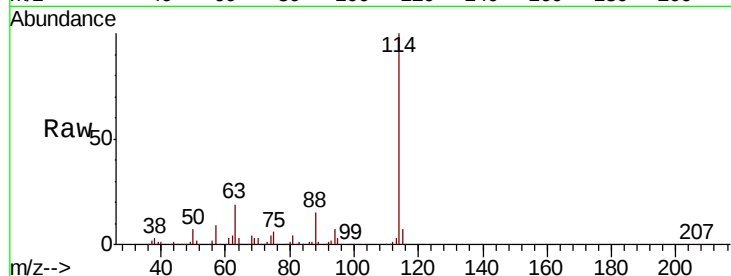




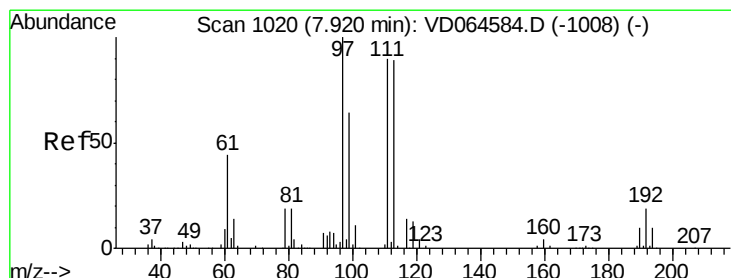
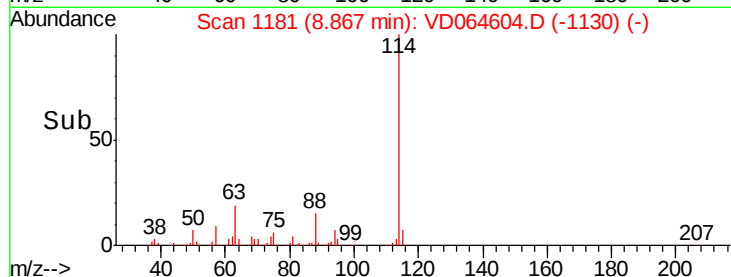
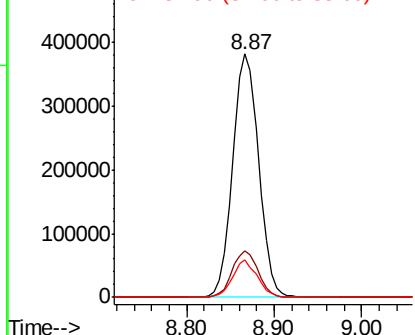
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064604.D
 Acq: 26 Dec 2019 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-1-(1-3)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.0
88	15.2	0.0	29.2

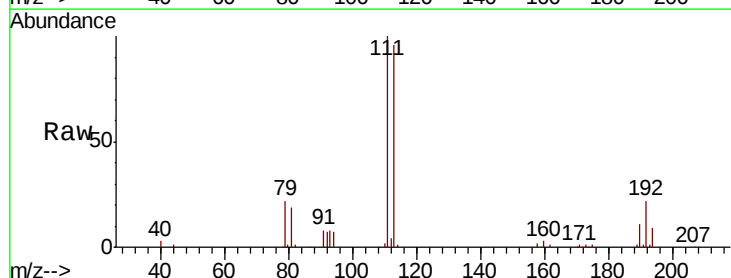


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

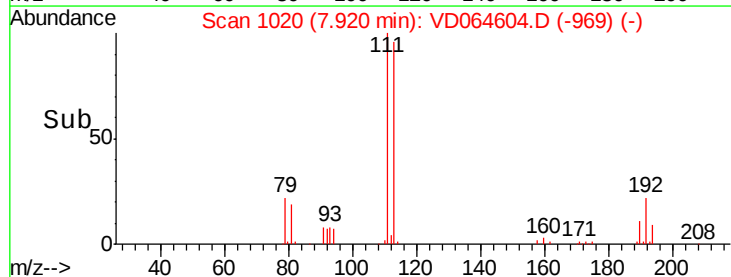
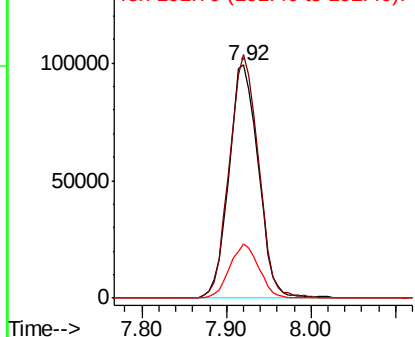


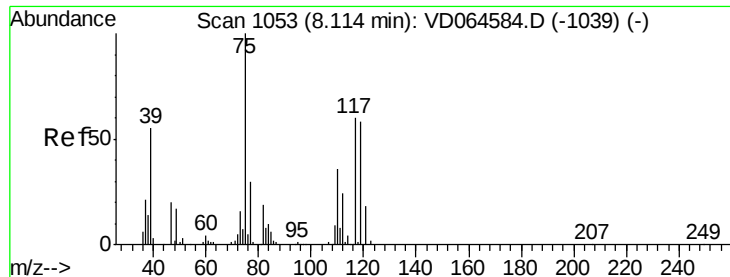
#35
 Dibromofluoromethane
 Concen: 50.505 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064604.D
 Acq: 26 Dec 2019 17:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.6	121.0
192	23.0	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: 4.672 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

Instrument :

MSVOA_D

ClientSampleId :

GP-1-(1-3)

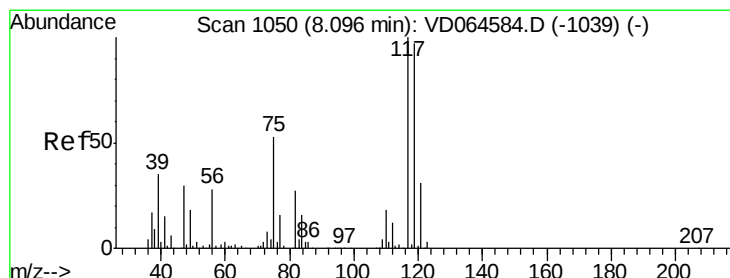
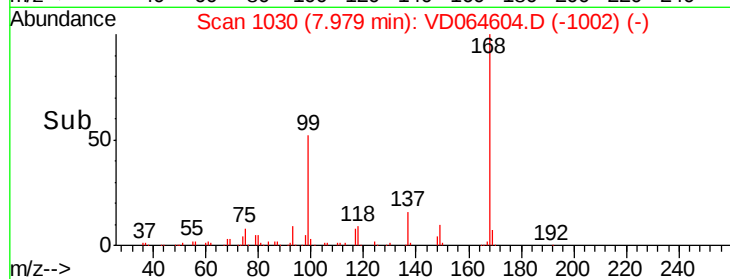
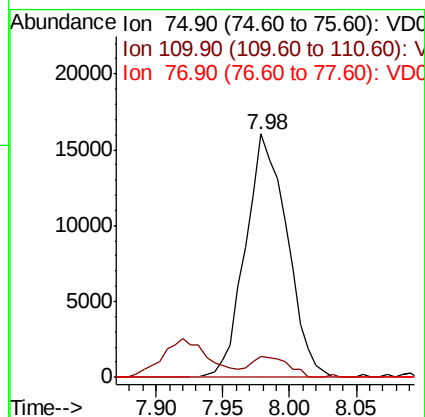
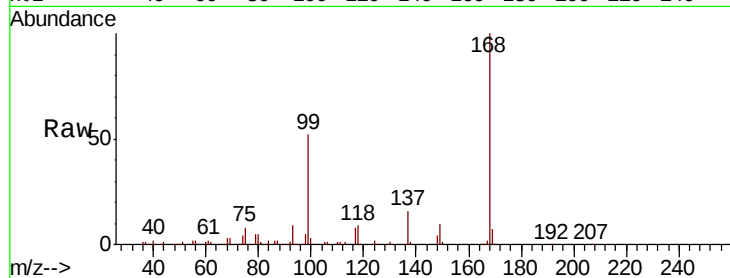
Tot Ion: 75 Resp: 34560

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.1#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

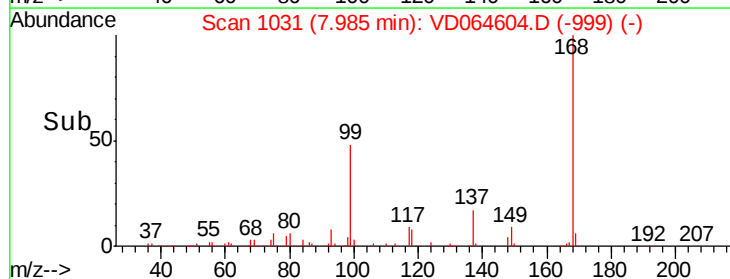
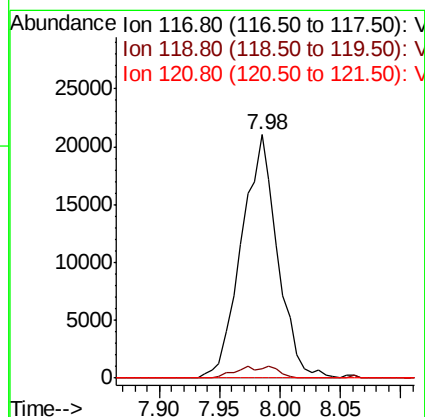
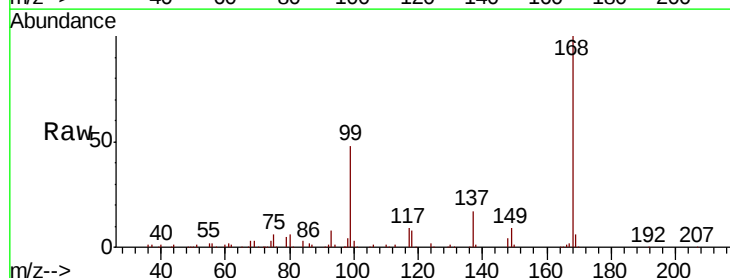
Tgt Ion: 117 Resp: 43986

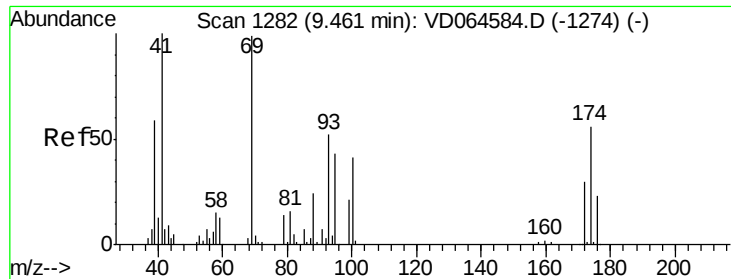
Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 25.0 37.6#

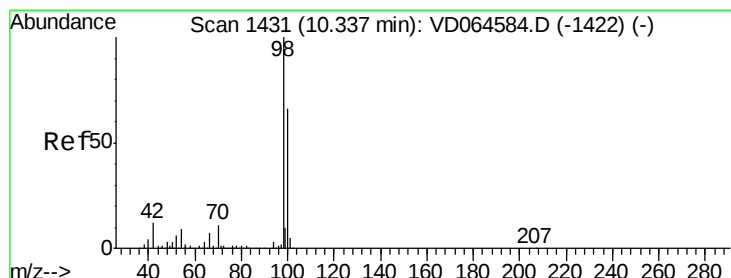
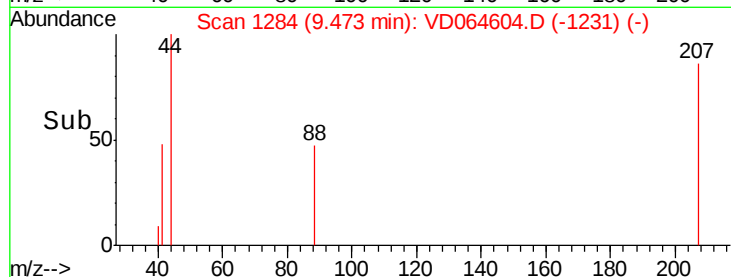
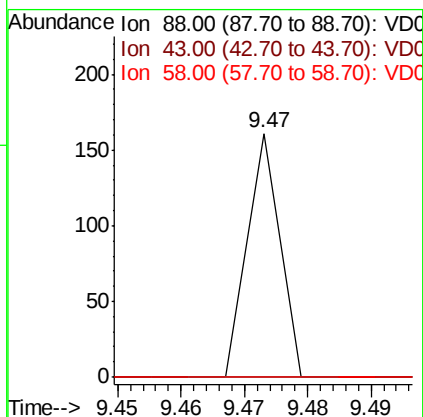
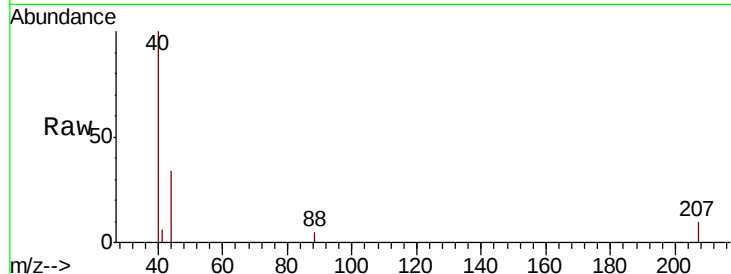




#49
 1,4-Dioxane
 Concen: 1.839 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064604.D
 Acq: 26 Dec 2019 17:33

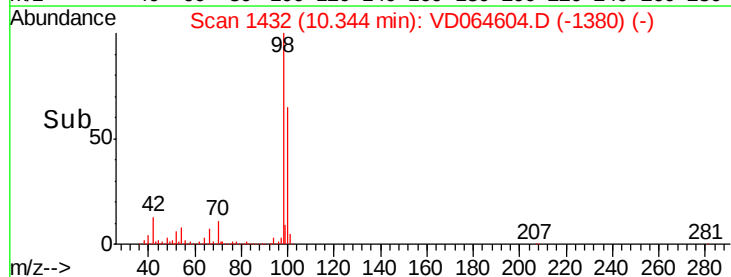
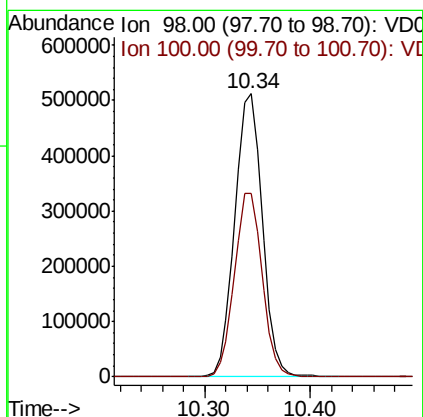
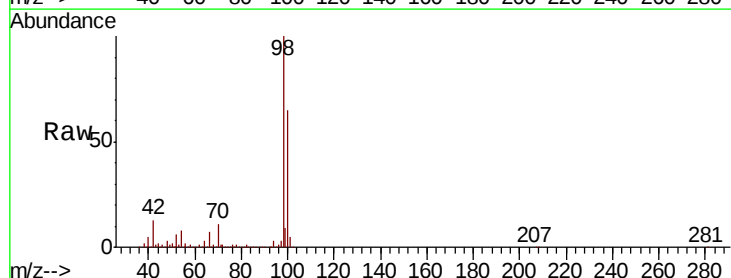
Instrument :
 MSVOA_D
 ClientSampleId :
 GP-1-(1-3)

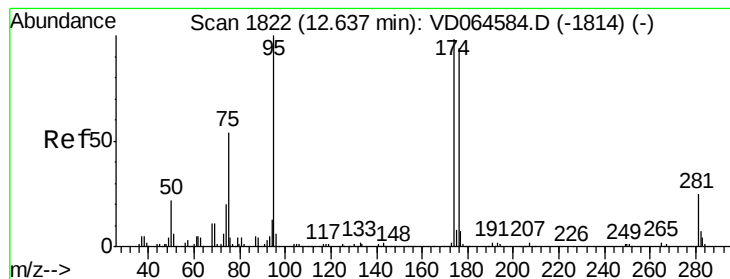
Tot Ion: 88 Resp: 57
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.7 41.5#
 58 0.0 53.8 80.6#



#50
 Toluene-d8
 Concen: 51.266 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064604.D
 Acq: 26 Dec 2019 17:33

Tgt Ion: 98 Resp: 925698
 Ion Ratio Lower Upper
 98 100
 100 65.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 56.433 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

Instrument :

MSVOA_D

ClientSampleId :

GP-1-(1-3)

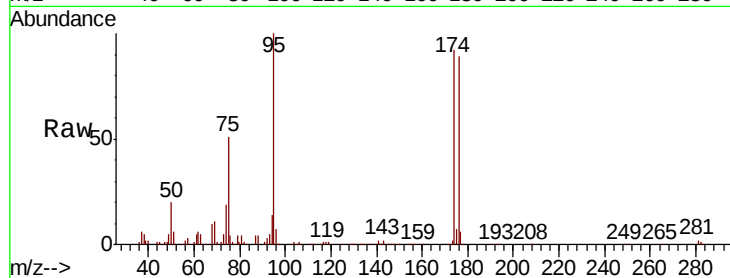
Tot Ion: 95 Resp: 322217

Ion Ratio Lower Upper

95 100

174 94.6 0.0 193.2

176 91.1 0.0 184.2



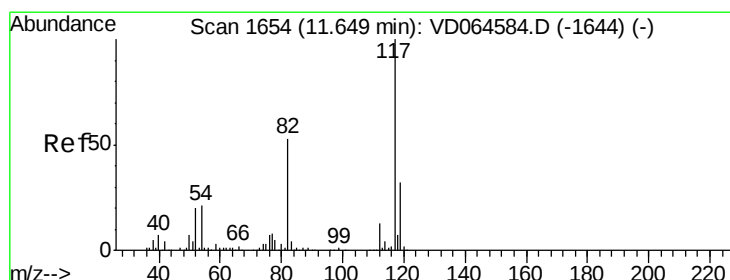
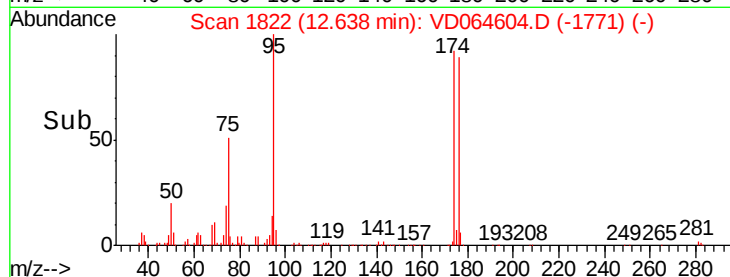
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

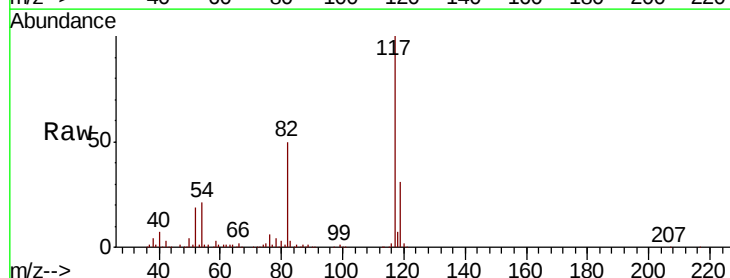
Tgt Ion: 117 Resp: 745369

Ion Ratio Lower Upper

117 100

82 49.5 42.2 63.4

119 31.1 26.0 39.0



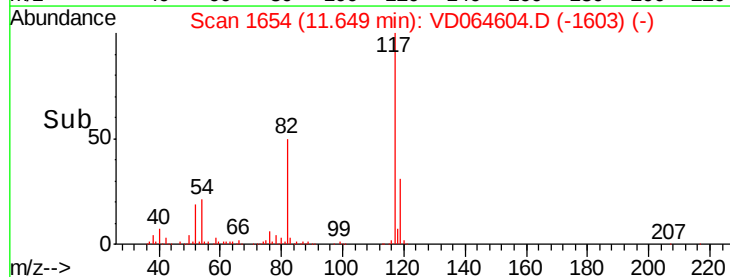
Abundance Ion 116.90 (116.60 to 117.60): V

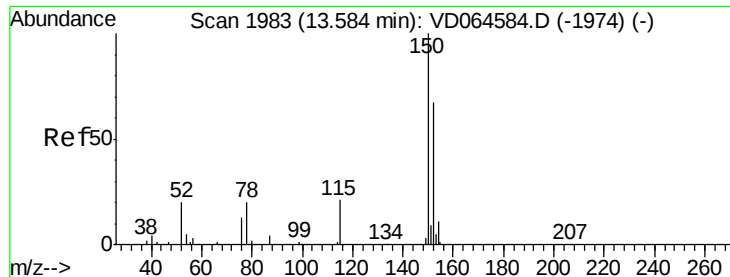
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

Instrument :

MSVOA_D

ClientSampleId :

GP-1-(1-3)

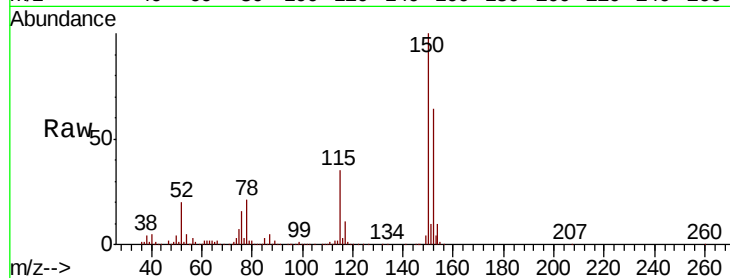
Tot Ion:152 Resp: 368653

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

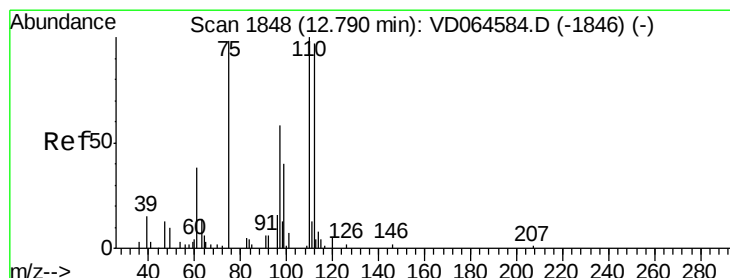
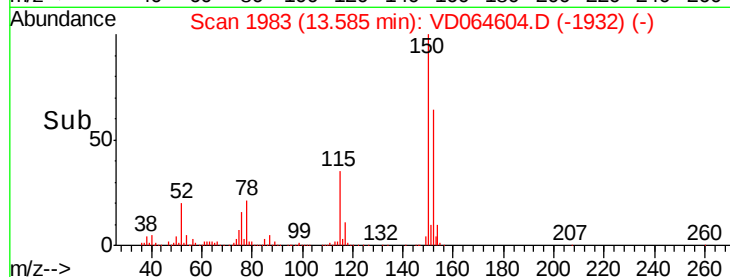
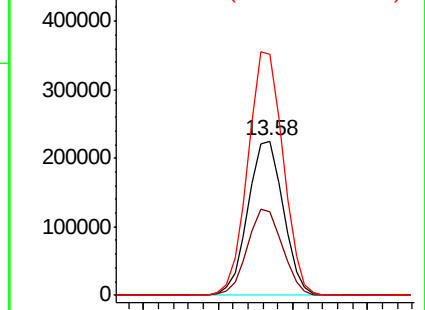
150 157.4 0.0 351.4



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: 58.551 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064604.D

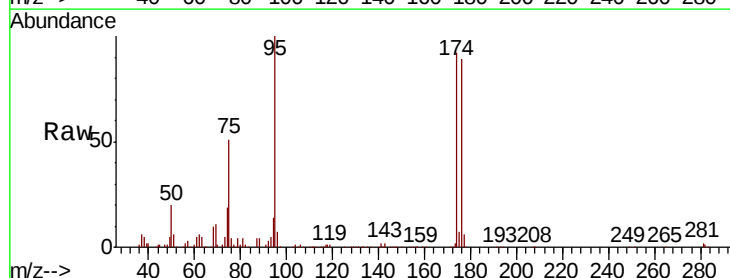
Acq: 26 Dec 2019 17:33

Tgt Ion: 75 Resp: 170448

Ion Ratio Lower Upper

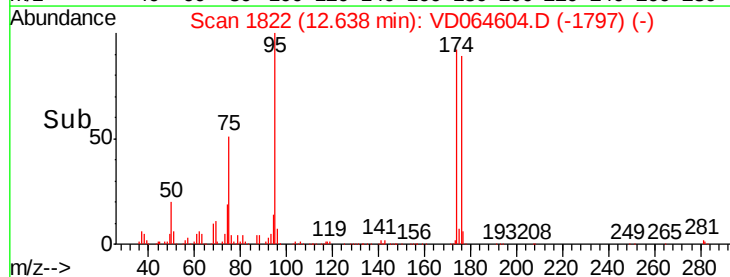
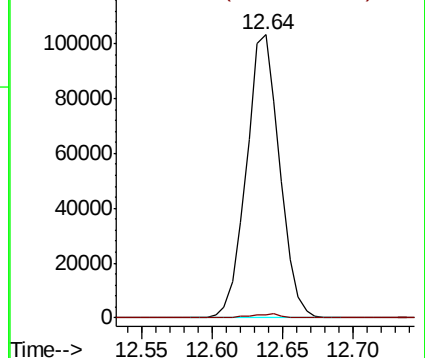
75 100

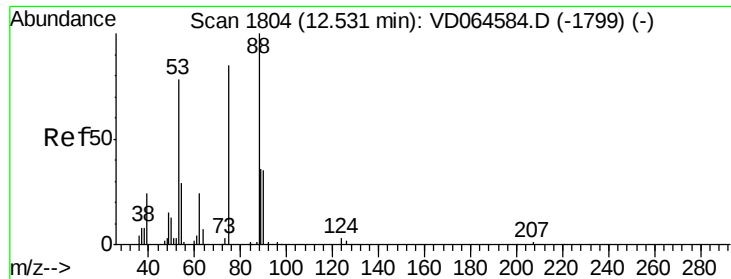
77 1.4 0.0 0.0#



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: 122.457 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064604.D

Acq: 26 Dec 2019 17:33

Instrument :

MSVOA_D

ClientSampleId :

GP-1-(1-3)

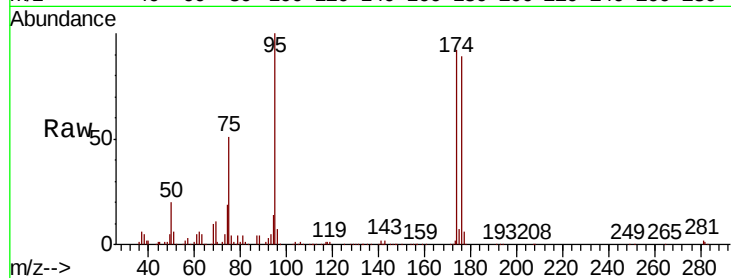
Tot Ion: 75 Resp: 170448

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 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

