

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 :

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

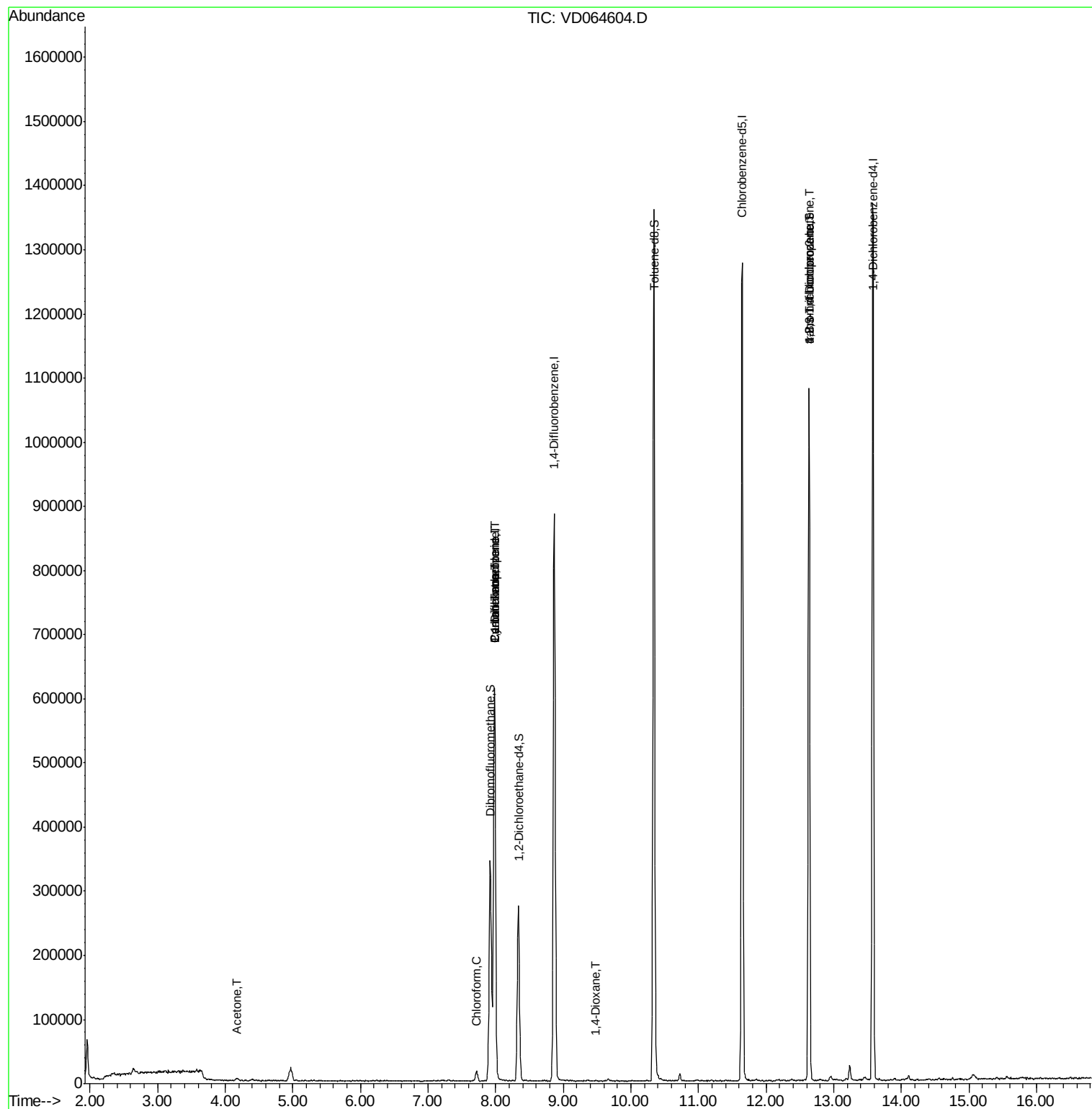
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	487366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	768467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	745369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368653	50.00	ug/l	0.00
System Monitoring Compounds						
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

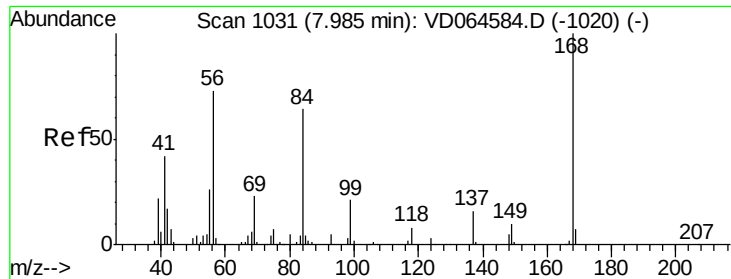
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

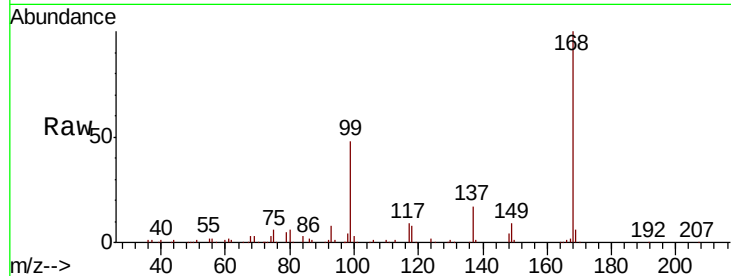
Instrument :
MSVOA_D
ClientSampleId :

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

7.98

250000

200000

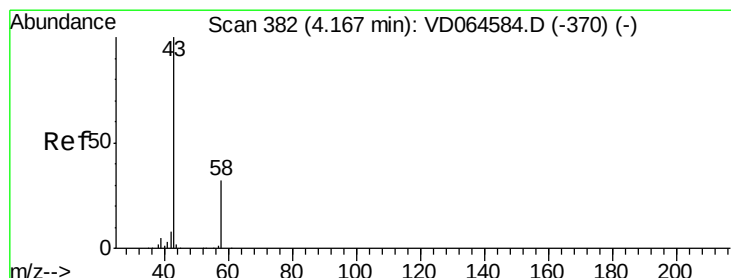
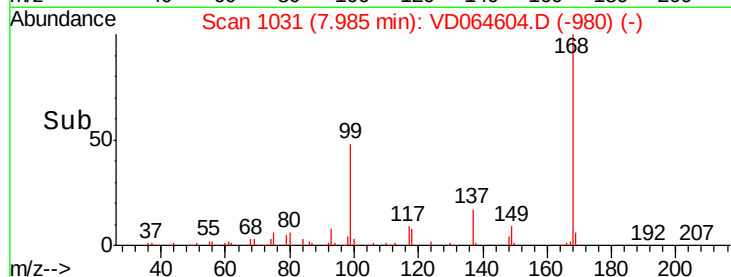
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.134 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064604.D

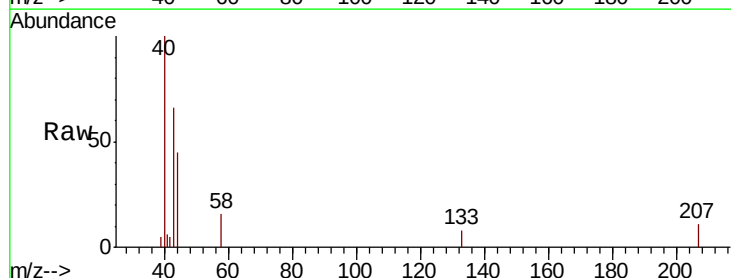
Acq: 26 Dec 2019 17:33

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

4.17

2500

2000

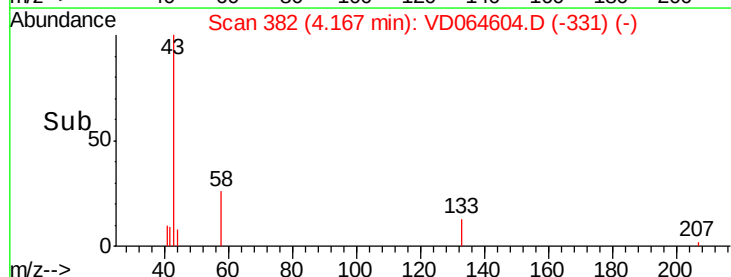
1500

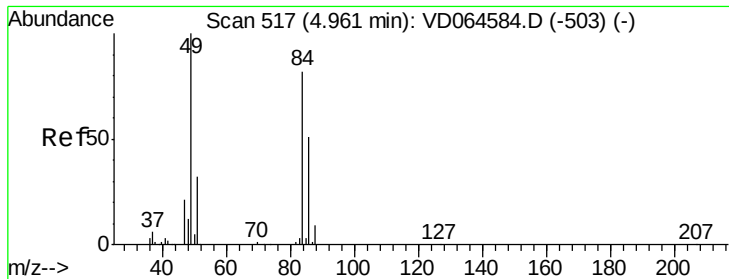
1000

500

0

Time-->

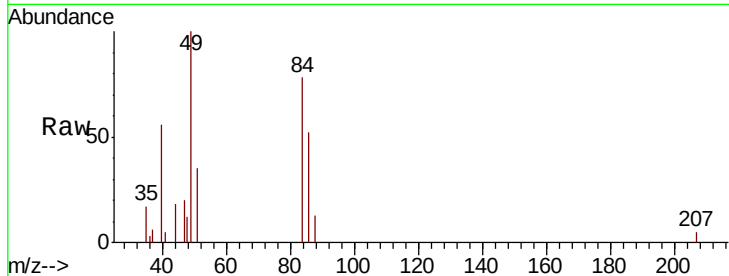




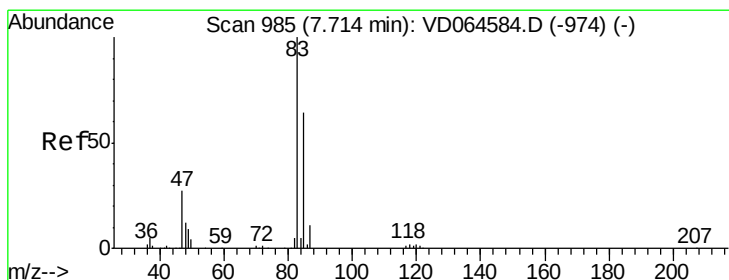
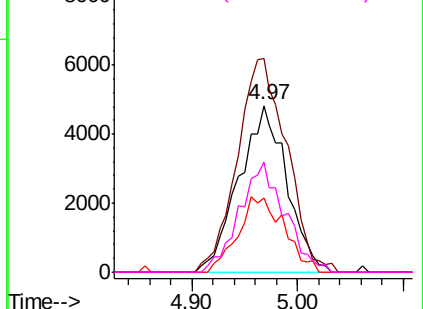
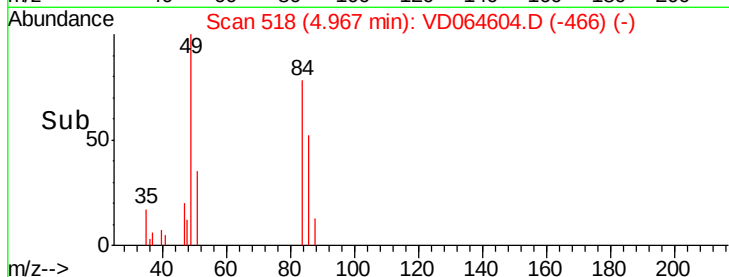
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064604.D
Acq: 26 Dec 2019 17:33

Instrument :
MSVOA_D
ClientSampleId :

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

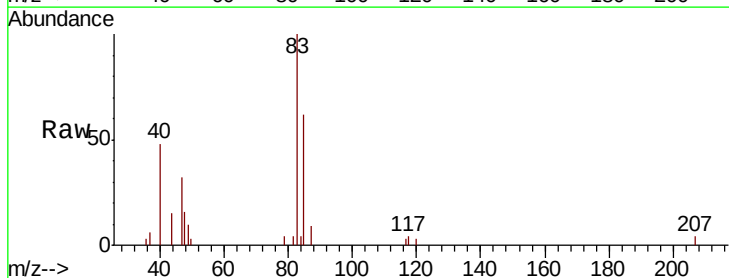


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

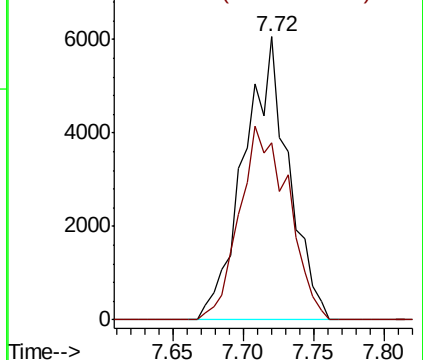
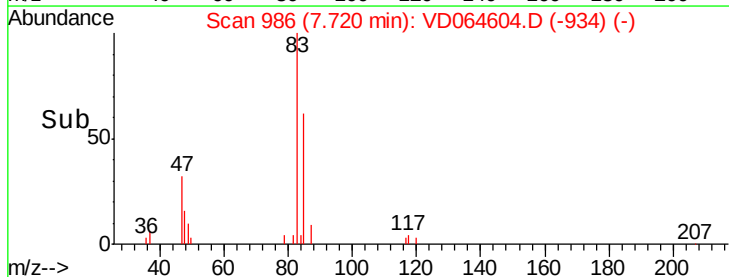


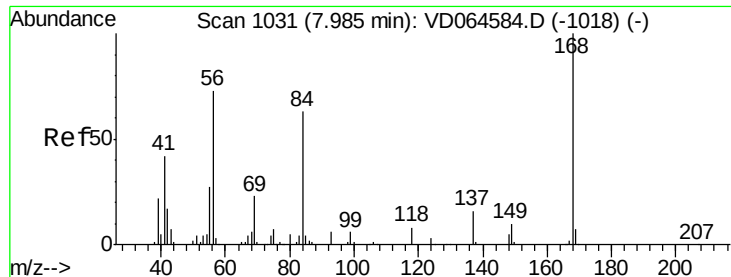
#30
Chloroform
Concen: 1.597 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064604.D
Acq: 26 Dec 2019 17:33

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

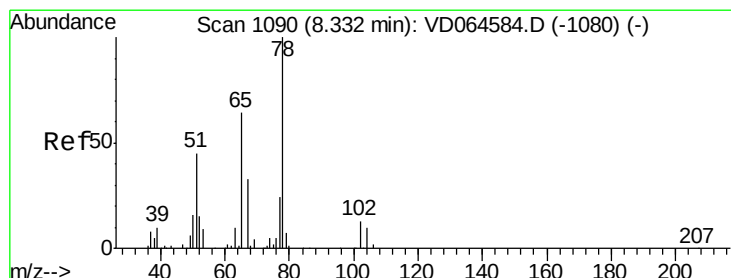
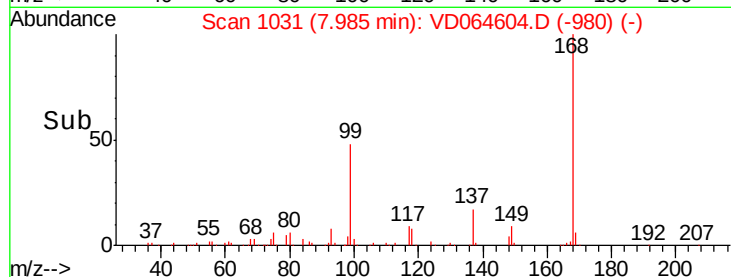
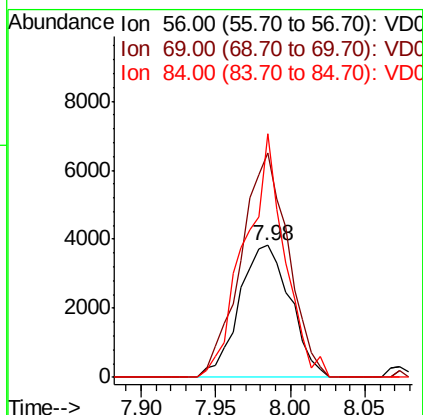
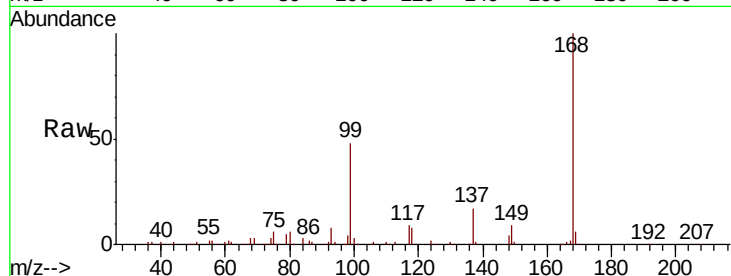




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064604.D
Acq: 26 Dec 2019 17:33

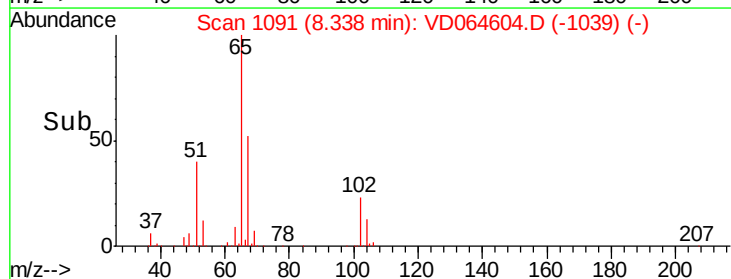
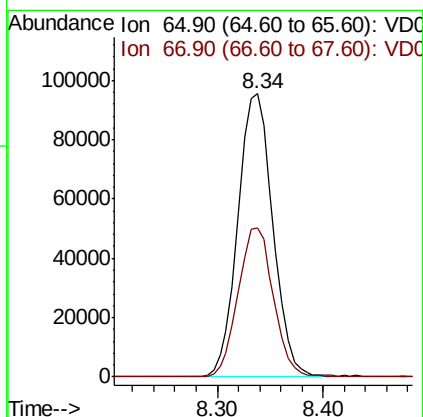
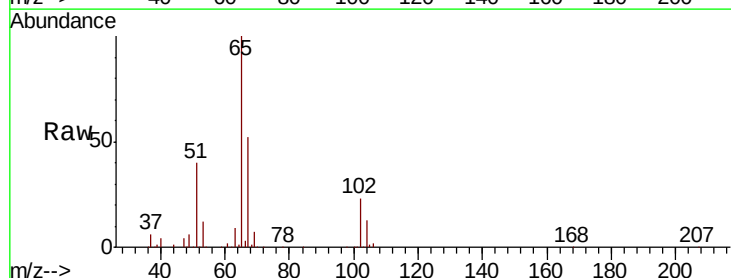
Instrument :
MSVOA_D
ClientSampleId :

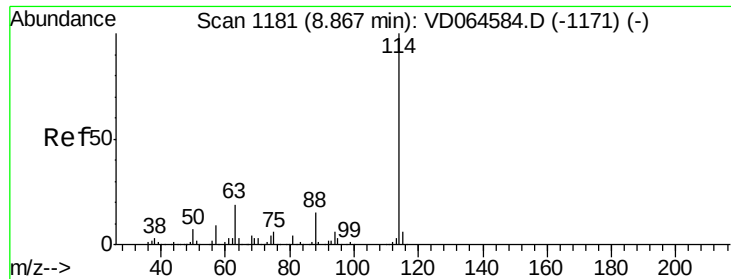
Tot Ion: 56 Resp: 9079
Ion Ratio Lower Upper
56 100
69 169.9 24.7 37.1#
84 184.4 69.4 104.2#



#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

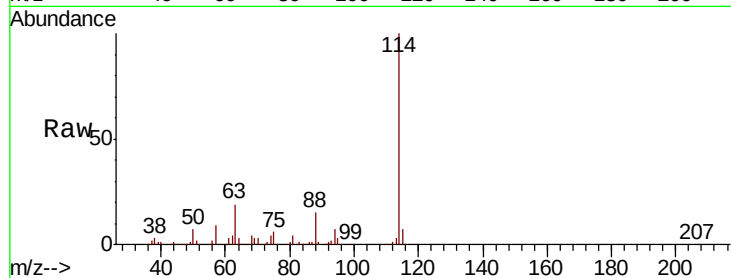




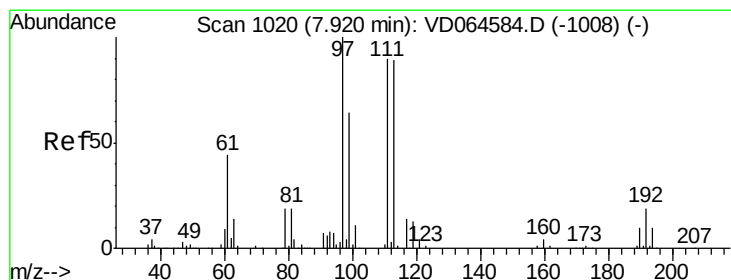
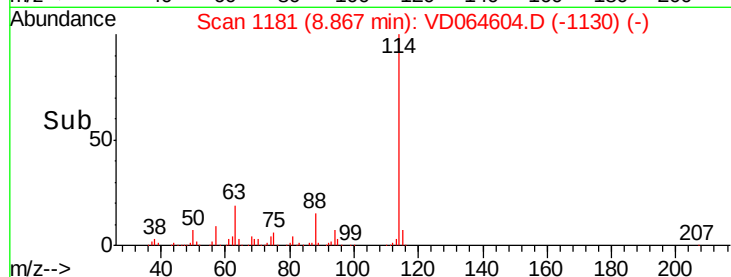
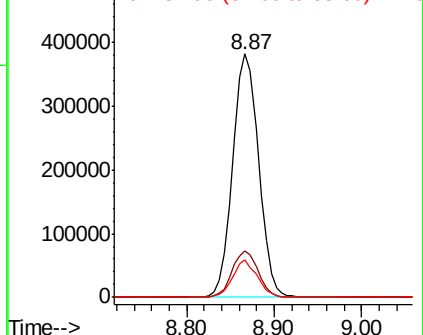
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064604.D
 Acq: 26 Dec 2019 17:33

Instrument :
 MSVOA_D
 ClientSampled :

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

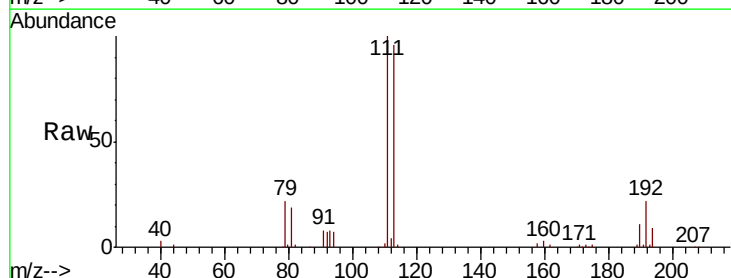


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

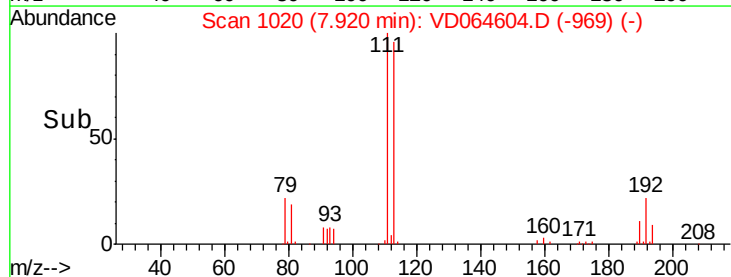
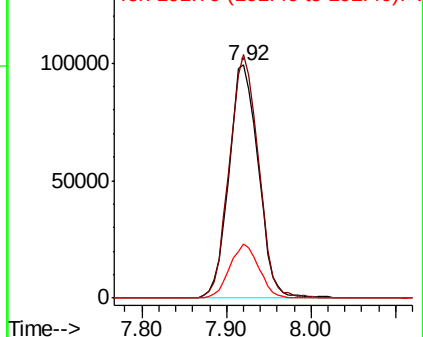


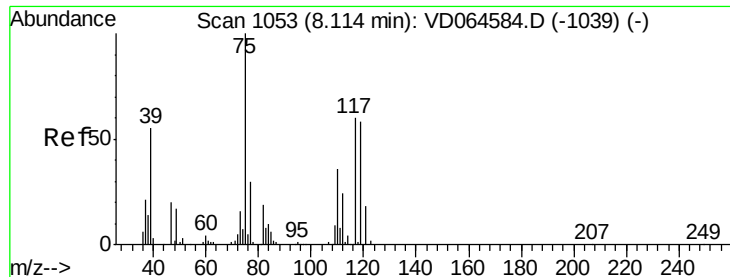
#35
 Dibromofluoromethane
 Concen: 50.505 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064604.D
 Acq: 26 Dec 2019 17:33

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 :

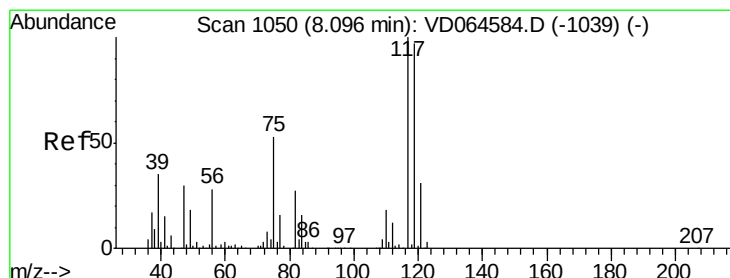
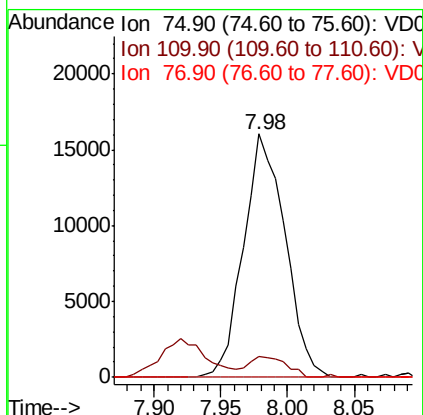
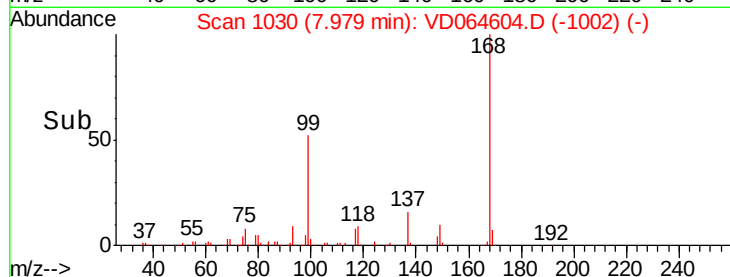
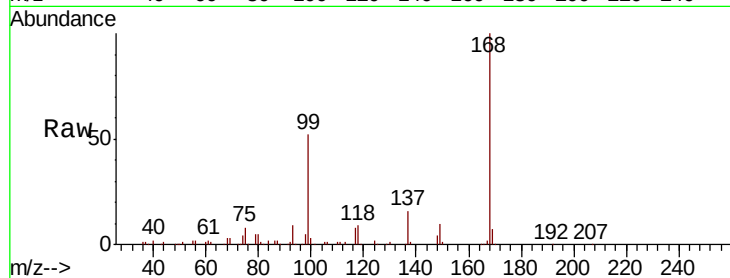
Tot Ion: 75 Resp: 34560

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

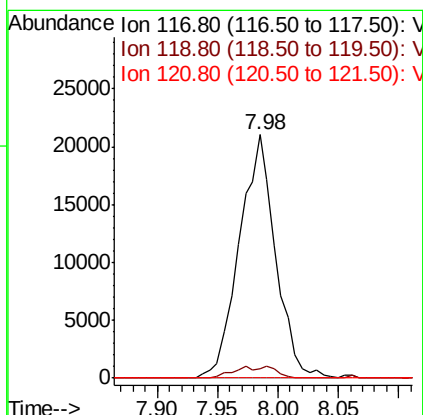
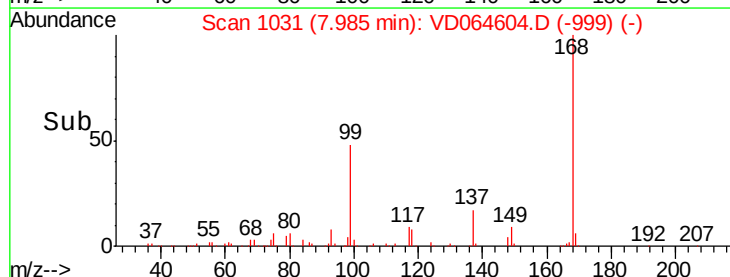
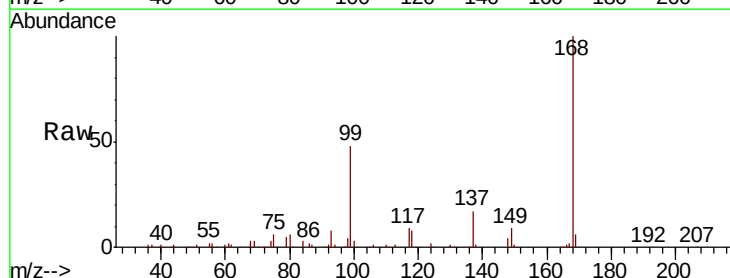
Tgt Ion: 117 Resp: 43986

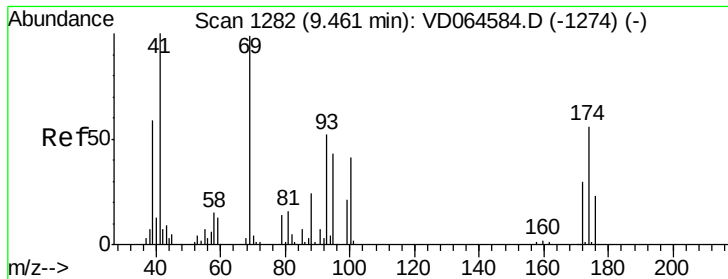
Ion Ratio Lower Upper

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 :

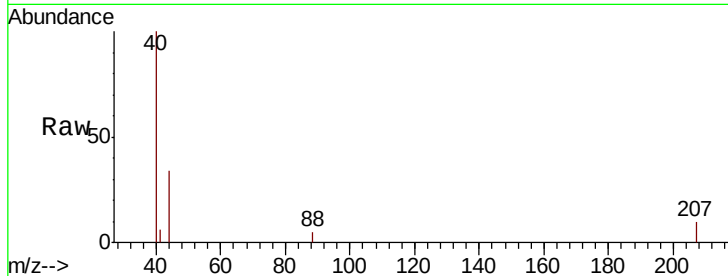
Tot Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 53.8 80.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

9.47

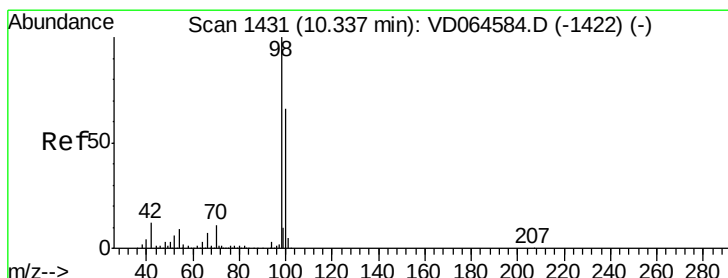
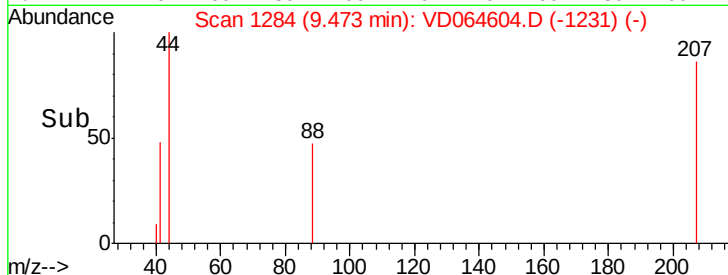
150

100

50

0

Time--> 9.45 9.46 9.47 9.48 9.49



#50

Toluene-d8

Concen: 51.266 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064604.D

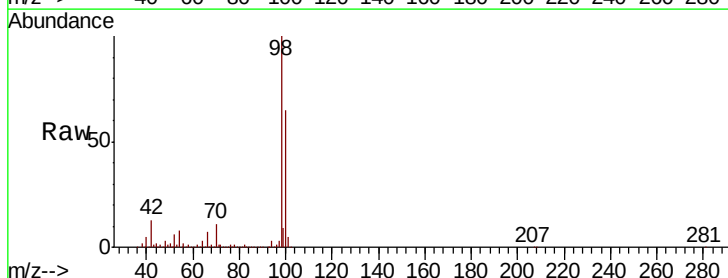
Acq: 26 Dec 2019 17:33

Tgt Ion: 98 Resp: 925698

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

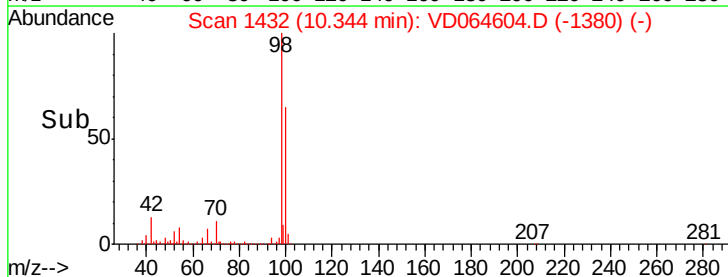
300000

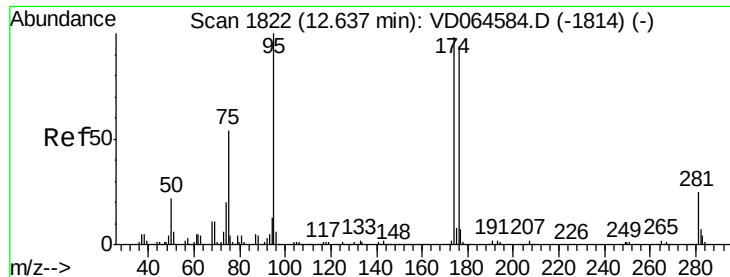
200000

100000

0

Time--> 10.30 10.40

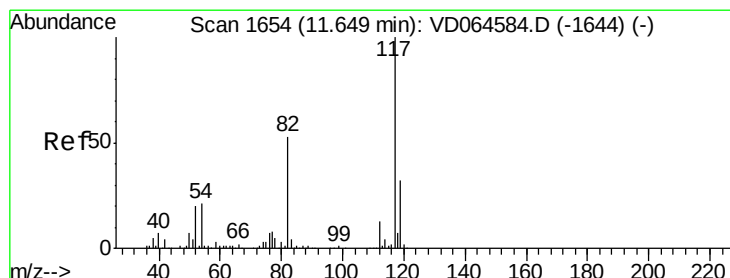
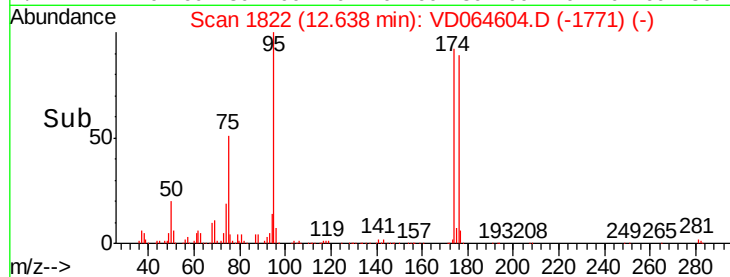
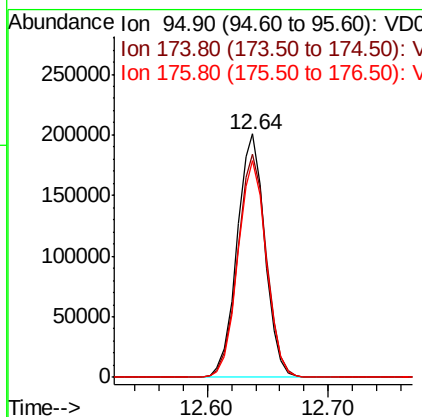
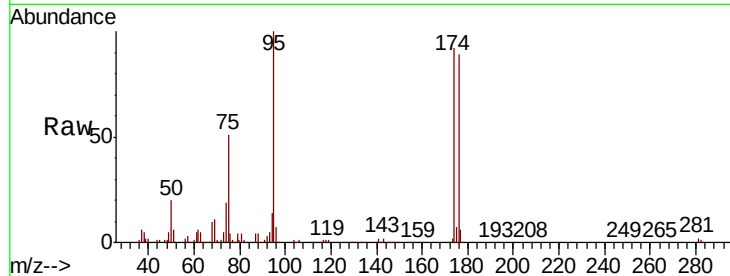




#62
4-Bromofluorobenzene
Concen: 56.433 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064604.D
Acq: 26 Dec 2019 17:33

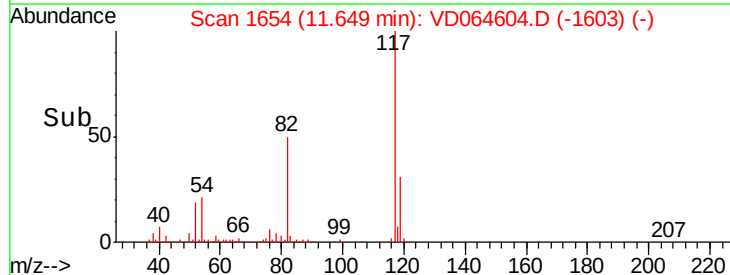
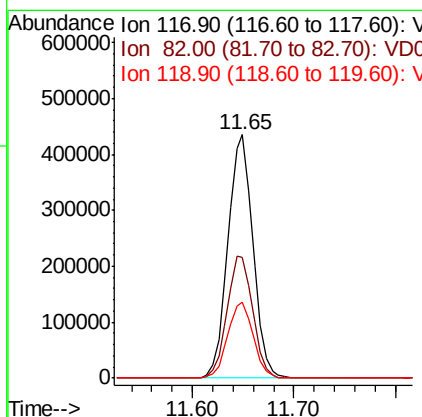
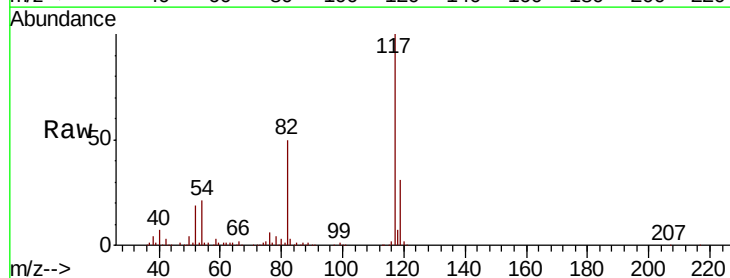
Instrument :
MSVOA_D
ClientSampleId :

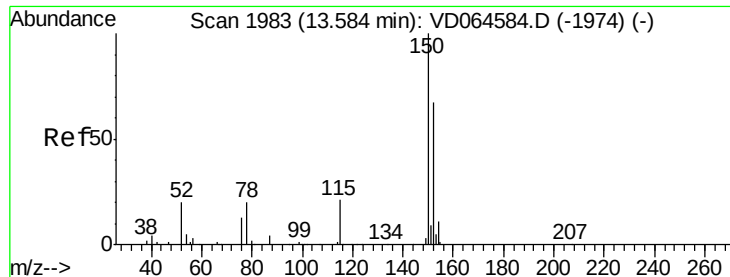
Tot Ion: 95 Resp: 322217
Ion Ratio Lower Upper
95 100
174 94.6 0.0 193.2
176 91.1 0.0 184.2



#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





#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 :

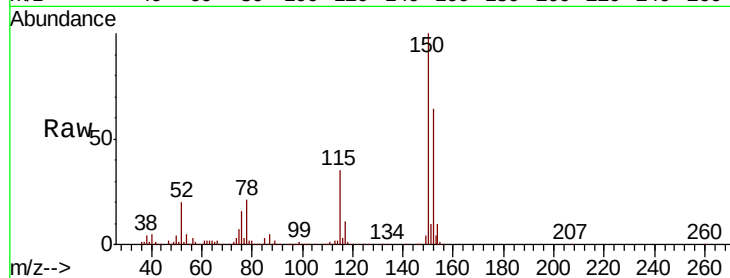
Tot Ion:152 Resp: 368653

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

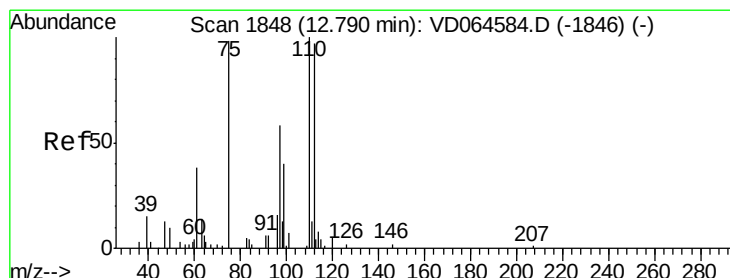
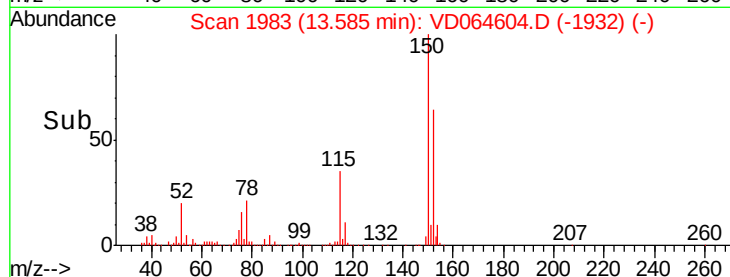
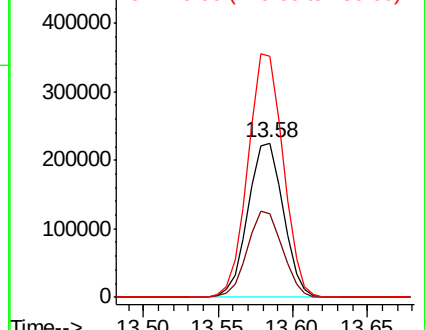
150 157.4 0.0 351.4



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

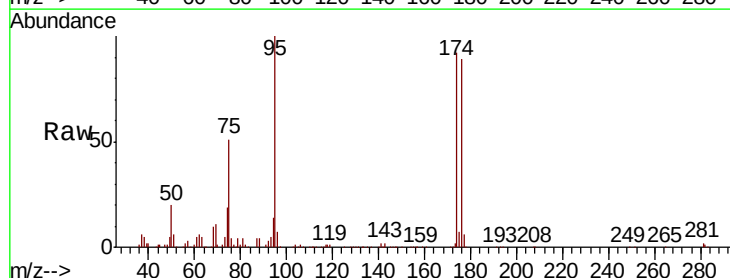
Acq: 26 Dec 2019 17:33

Tgt Ion: 75 Resp: 170448

Ion Ratio Lower Upper

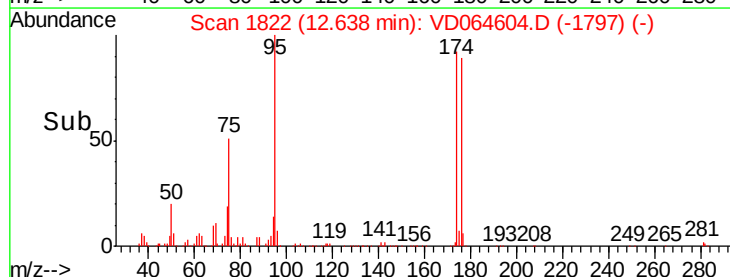
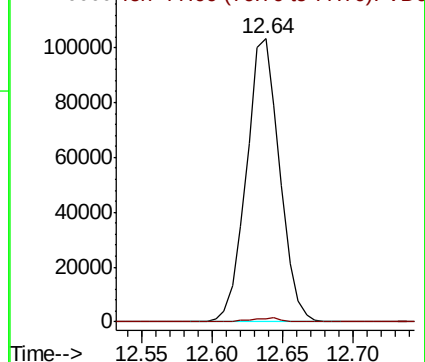
75 100

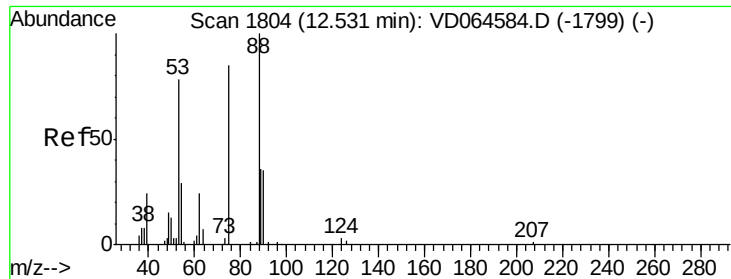
77 1.4 0.0 0.0#



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 :

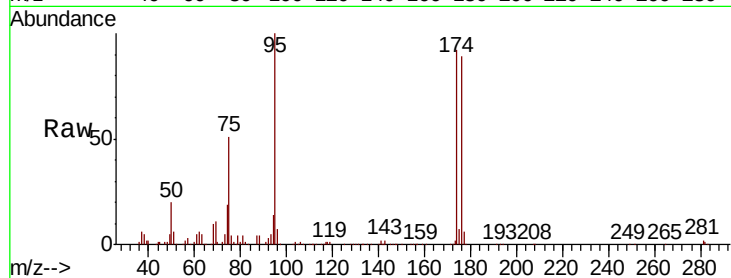
Tot Ion: 75 Resp: 170448

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

