

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
 Data File : VD064853.D
 Acq On : 13 Jan 2020 17:01
 Operator : VA/SY
 Sample : L1098-09
 Misc : 6.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9_13.5-14.0

Quant Time: Jan 14 11:34:31 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

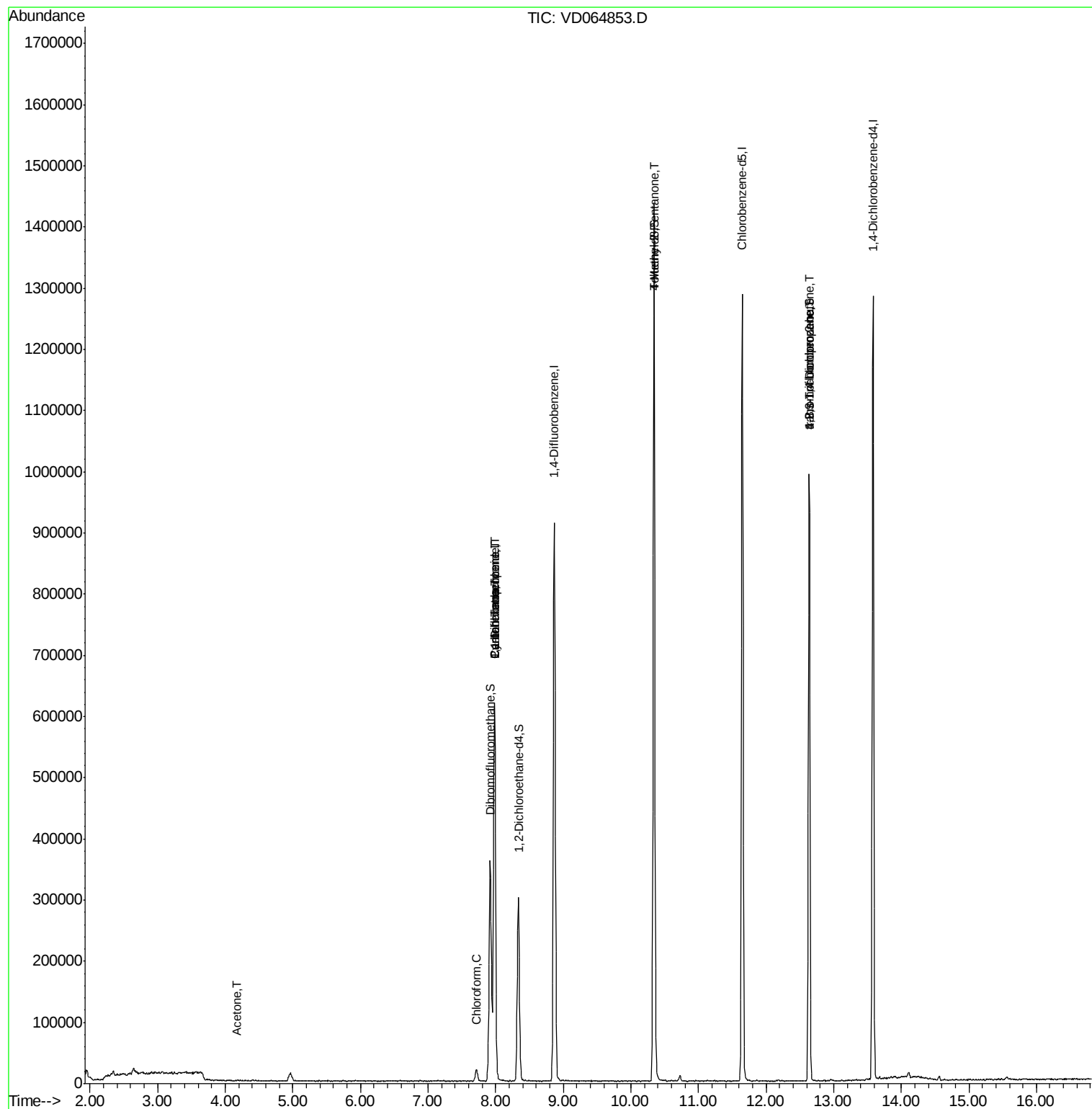
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	474106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	769361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	705080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	244840	58.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.14%	
35) Dibromofluoromethane	7.92	113	244926	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	10.34	98	927466	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.64	95	292070	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
Target Compounds						
16) Acetone	4.17	43	965	5.157	ug/l #	42
20) Methylene Chloride	4.97	84	9814	Below Cal		94
30) Chloroform	7.71	83	16770	2.053	ug/l	100
31) Cyclohexane	7.98	56	10552	1.354	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	35088	4.738	ug/l #	49
38) Carbon Tetrachloride	7.98	117	43213	5.473	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4256	1.487	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	156409	59.108	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	156409	123.623	ug/l #	10

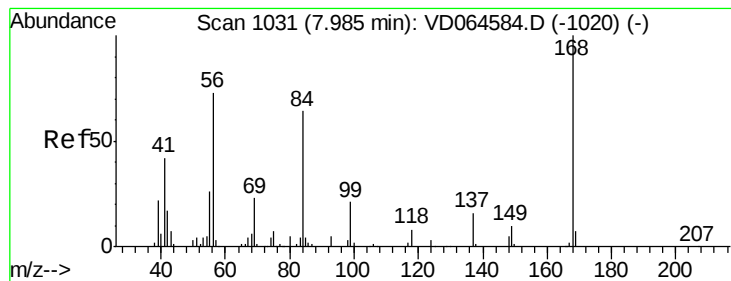
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
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SB-9_13.5-14.0

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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: VD064853.D

Acq: 13 Jan 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

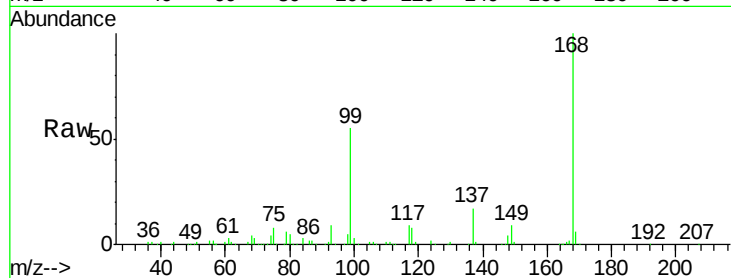
SB-9_13.5-14.0

Tgt Ion:168 Resp: 474106

Ion Ratio Lower Upper

168 100

99 54.6 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

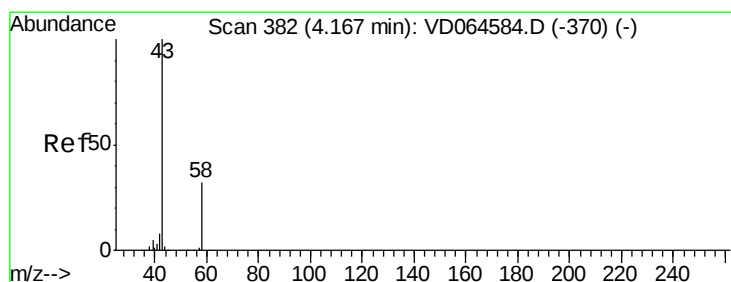
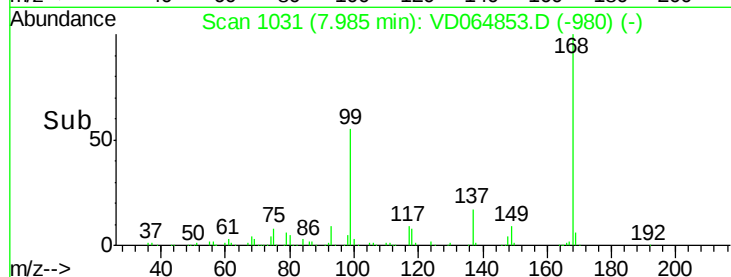
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.157 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064853.D

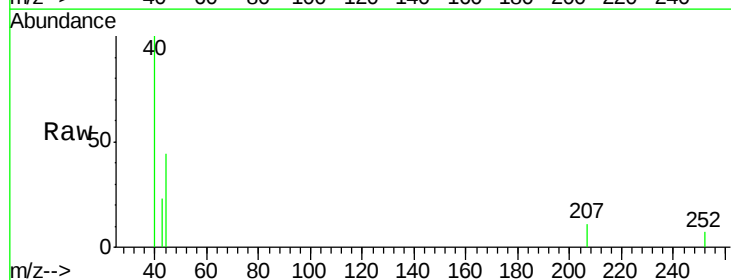
Acq: 13 Jan 2020 17:01

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

58 0.0 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

600

500

400

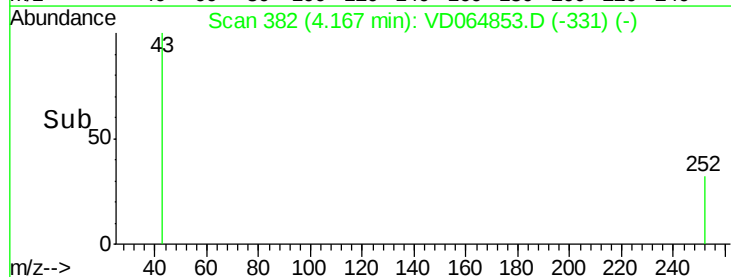
300

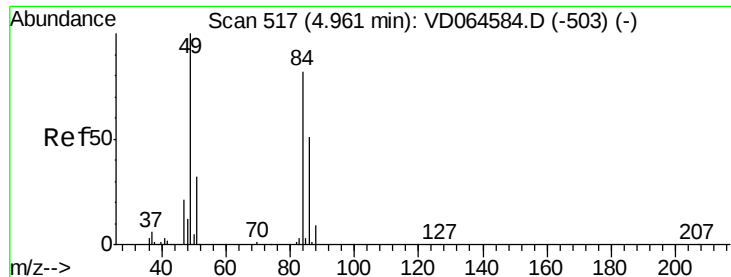
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064853.D

Acq: 13 Jan 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

SB-9_13.5-14.0

Tgt Ion: 84 Resp: 9814

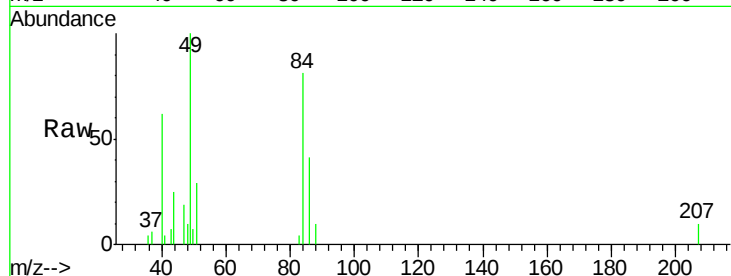
Ion Ratio Lower Upper

84 100

49 124.2 97.2 145.8

51 35.7 31.4 47.0

86 50.7 49.3 73.9

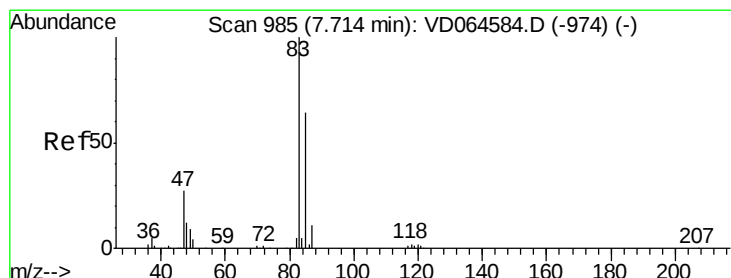
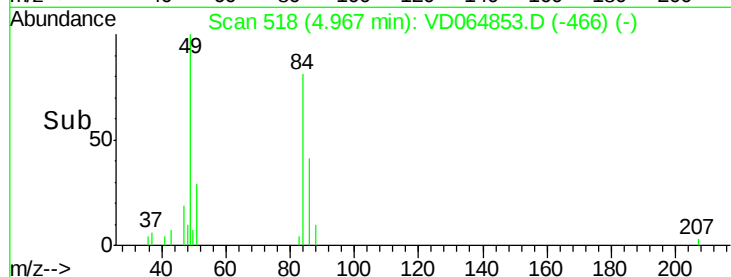
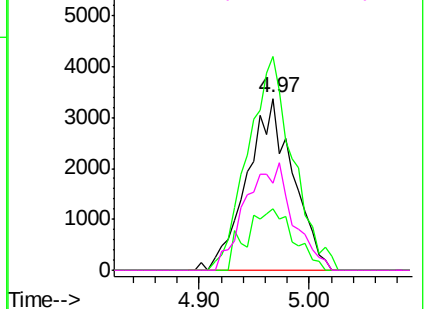


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#30

Chloroform

Concen: 2.053 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064853.D

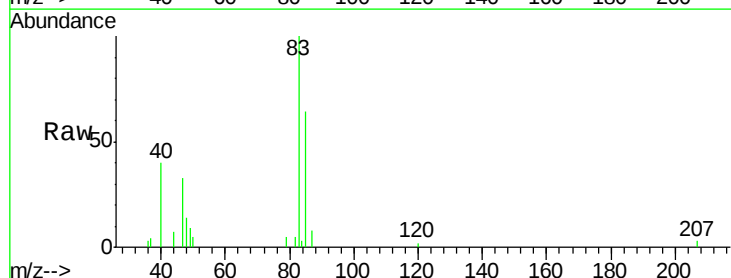
Acq: 13 Jan 2020 17:01

Tgt Ion: 83 Resp: 16770

Ion Ratio Lower Upper

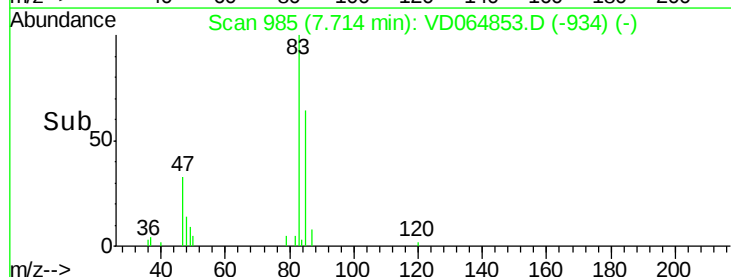
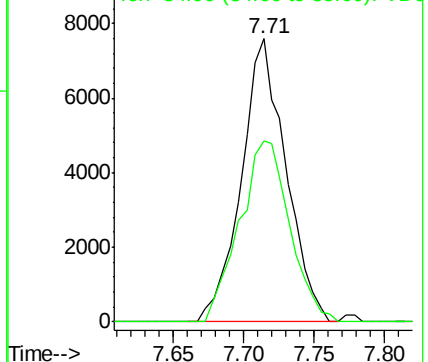
83 100

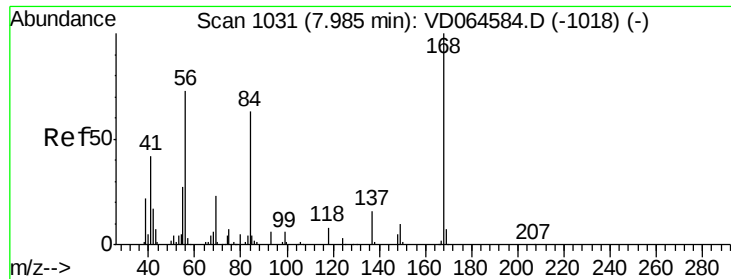
85 64.0 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

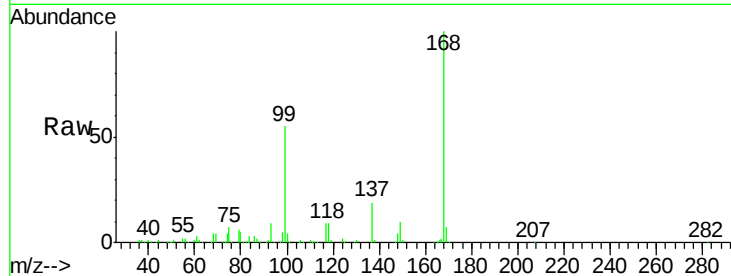




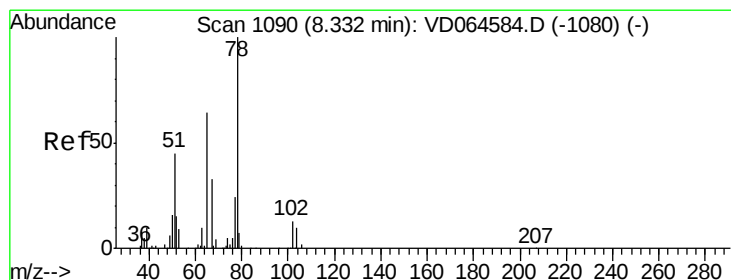
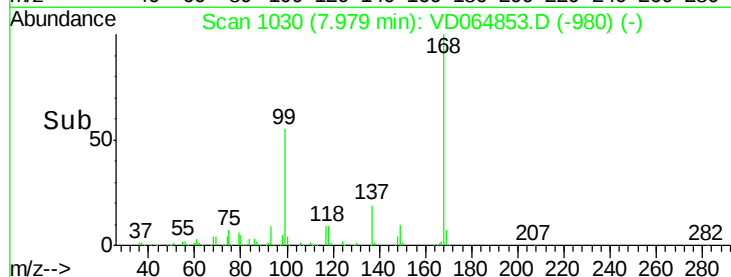
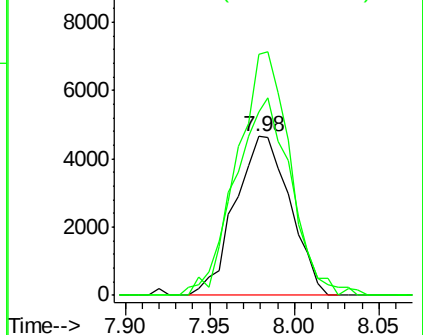
#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064853.D
Acq: 13 Jan 2020 17:01

Instrument :
MSVOA_D
ClientSampleId :
SB-9_13.5-14.0

Tgt Ion: 56 Resp: 10552
Ion Ratio Lower Upper
56 100
69 152.3 24.7 37.1#
84 115.4 69.4 104.2#

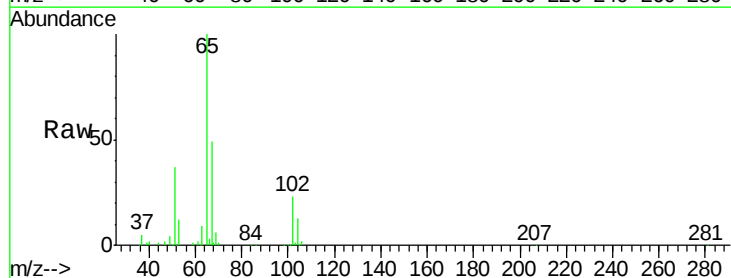


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

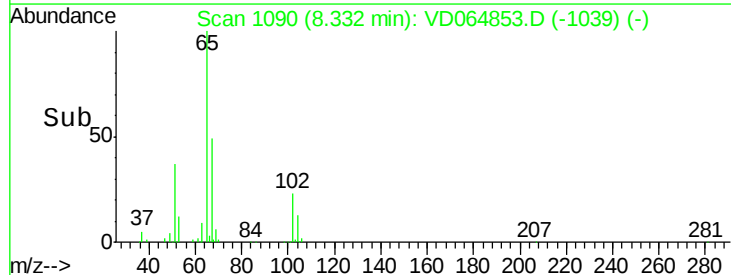
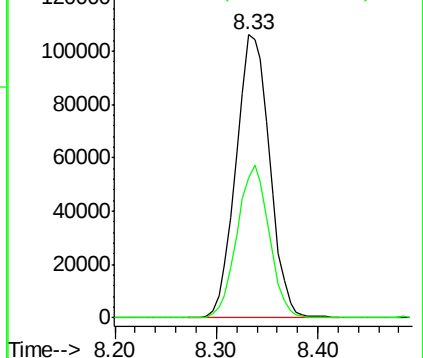


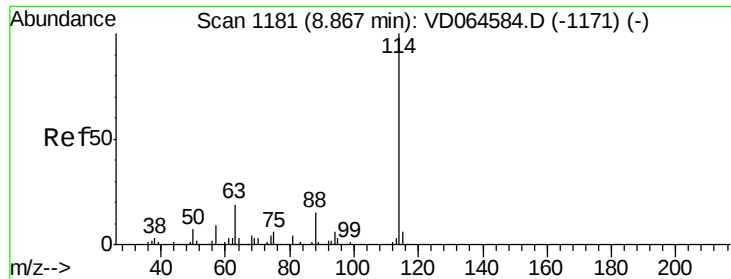
#33
1,2-Dichloroethane-d4
Concen: 58.566 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064853.D
Acq: 13 Jan 2020 17:01

Tgt Ion: 65 Resp: 244840
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.2



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

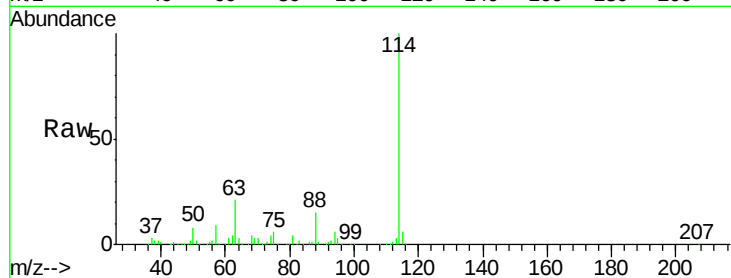




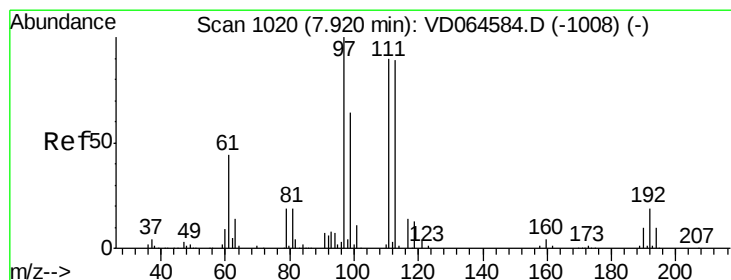
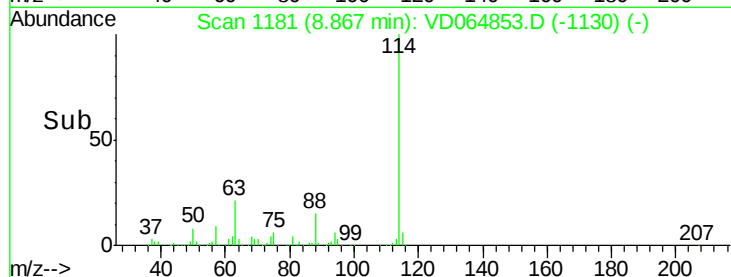
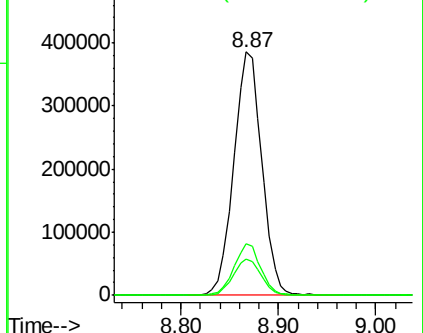
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064853.D
 Acq: 13 Jan 2020 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9_13.5-14.0

Tgt Ion:114 Resp: 769361
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.0
 88 14.8 0.0 29.2

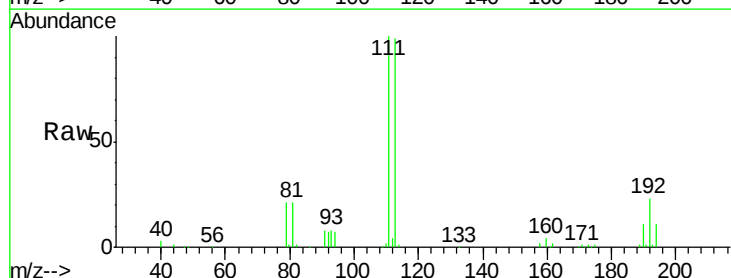


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

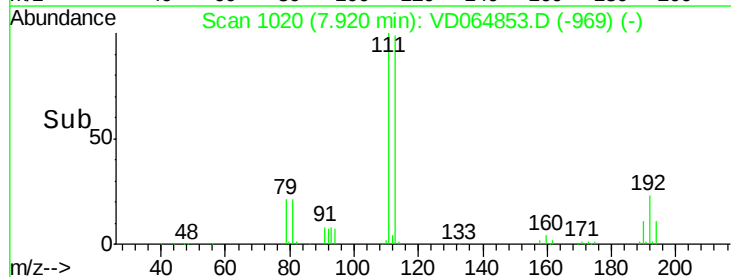
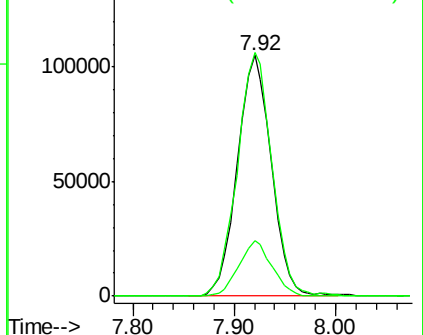


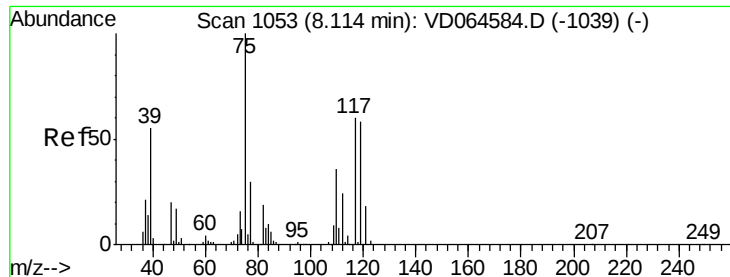
#35
 Dibromofluoromethane
 Concen: 51.889 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064853.D
 Acq: 13 Jan 2020 17:01

Tgt Ion:113 Resp: 244926
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.6 121.0
 192 22.5 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: 4.738 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064853.D

Acq: 13 Jan 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

SB-9_13.5-14.0

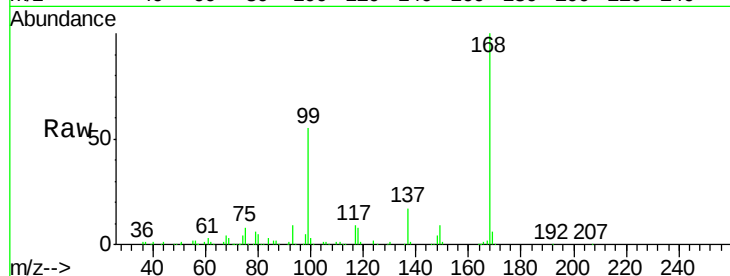
Tgt Ion: 75 Resp: 35088

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.1#

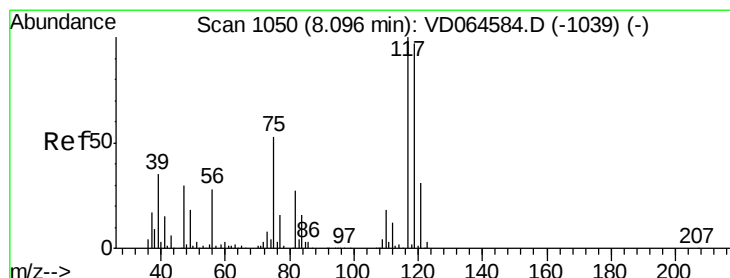
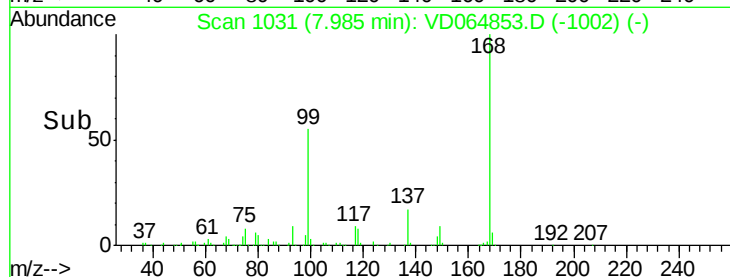
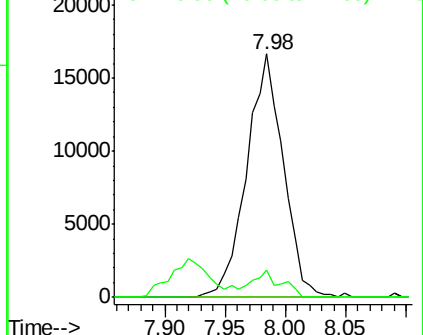
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.473 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064853.D

Acq: 13 Jan 2020 17:01

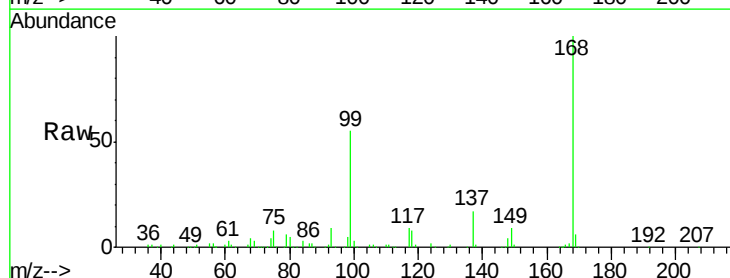
Tgt Ion: 117 Resp: 43213

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

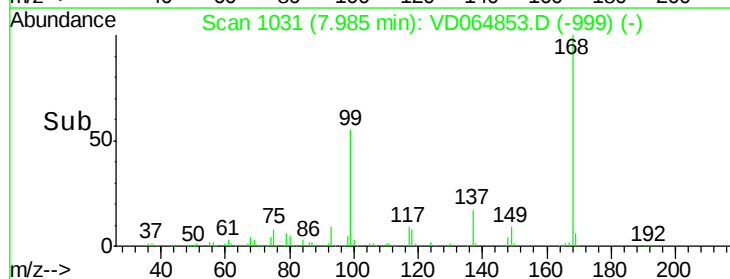
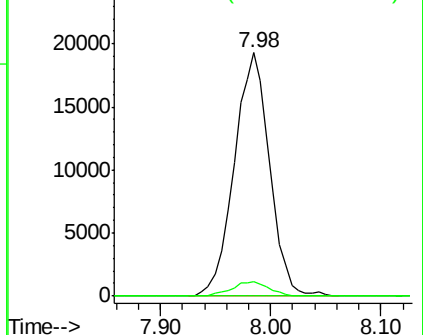
121 0.0 25.0 37.6#

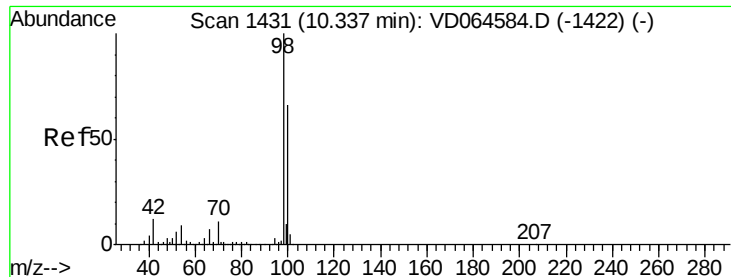


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

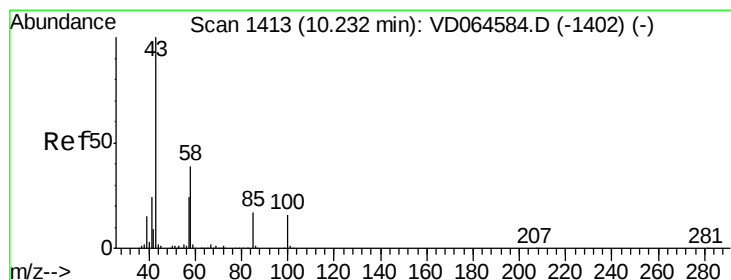
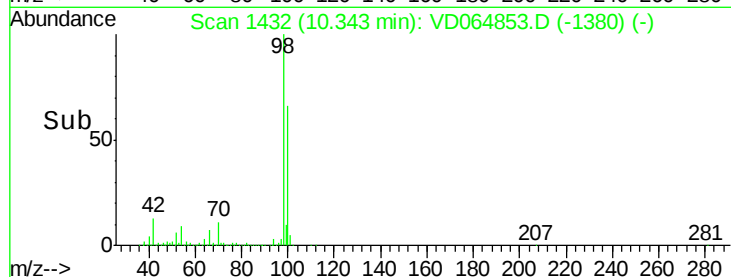
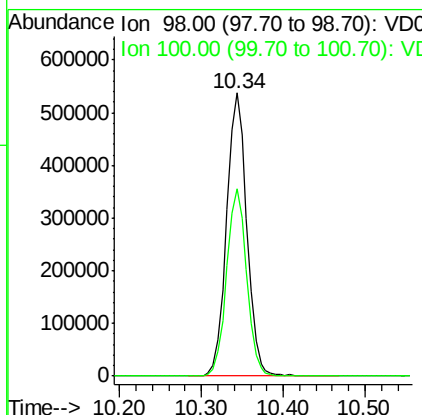
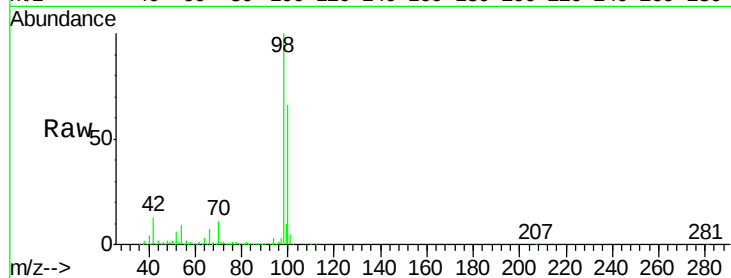




#50
Toluene-d8
Concen: 51.304 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064853.D
Acq: 13 Jan 2020 17:01

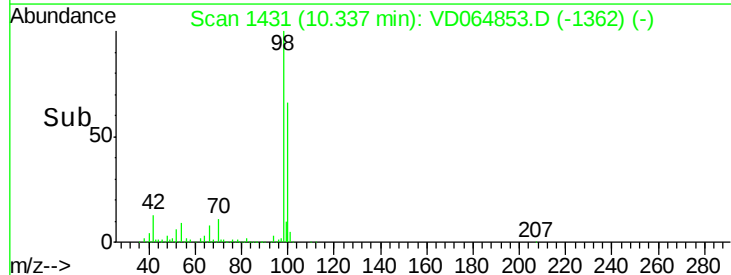
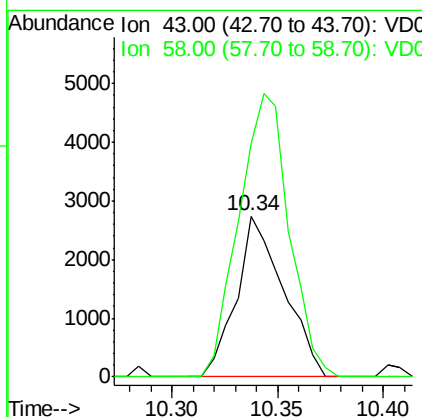
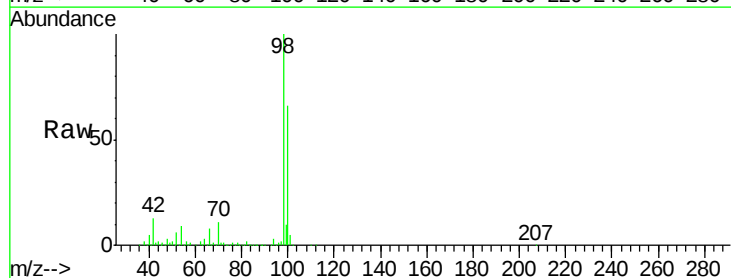
Instrument :
MSVOA_D
ClientSampleId :
SB-9_13.5-14.0

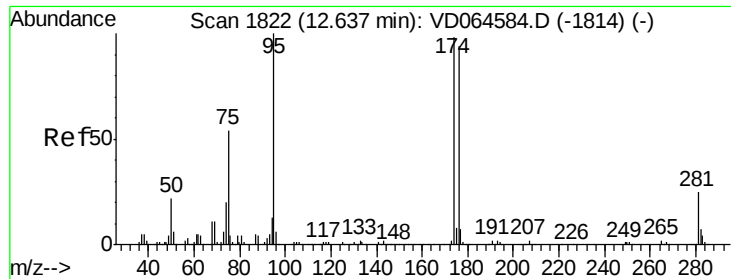
Tgt Ion: 98 Resp: 927466
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.487 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD064853.D
Acq: 13 Jan 2020 17:01

Tgt Ion: 43 Resp: 4256
Ion Ratio Lower Upper
43 100
58 187.6 30.2 45.2#

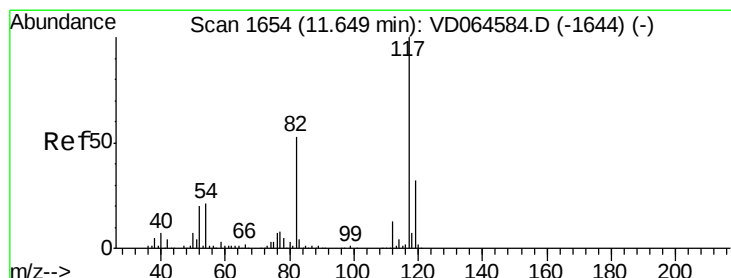
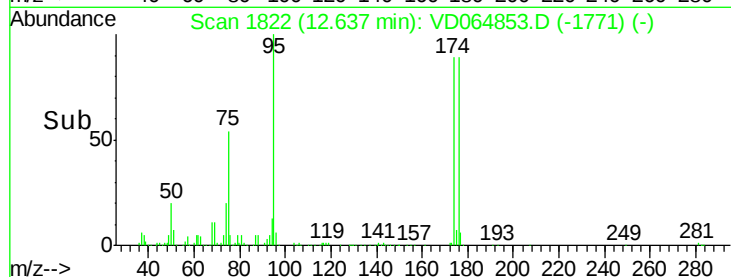
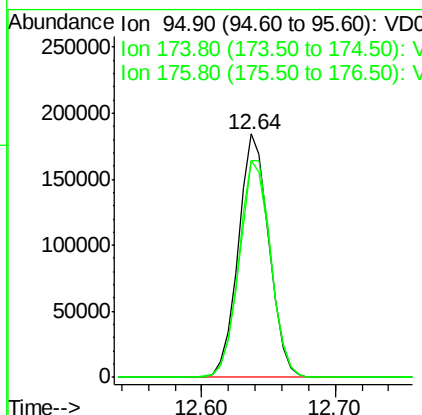
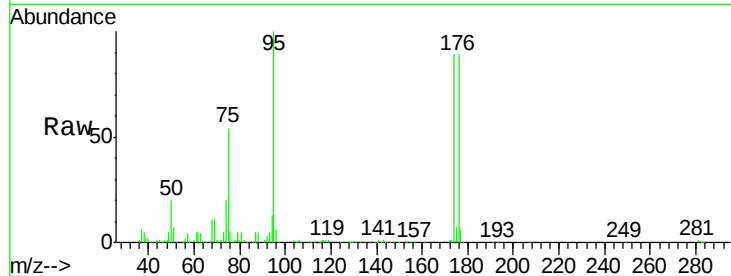




#62
4-Bromofluorobenzene
Concen: 51.094 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064853.D
Acq: 13 Jan 2020 17:01

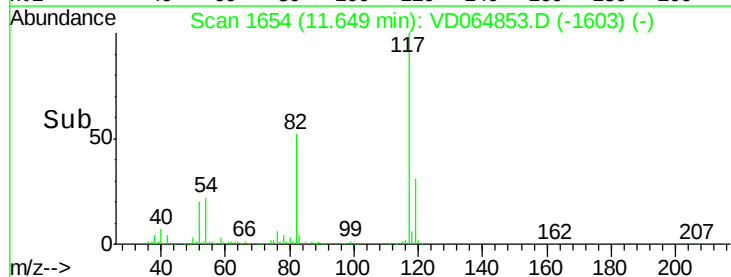
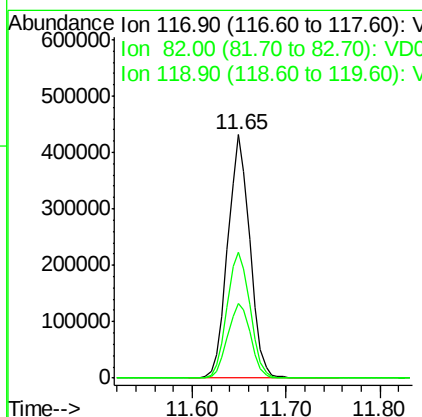
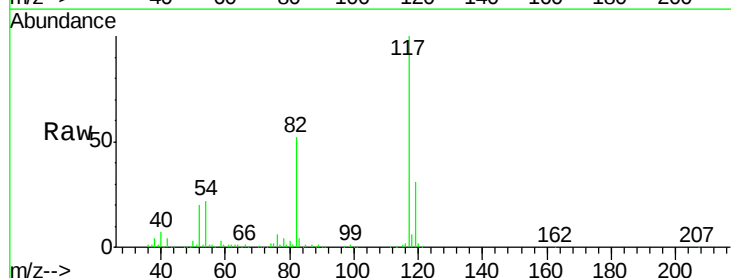
Instrument :
MSVOA_D
ClientSampleId :
SB-9_13.5-14.0

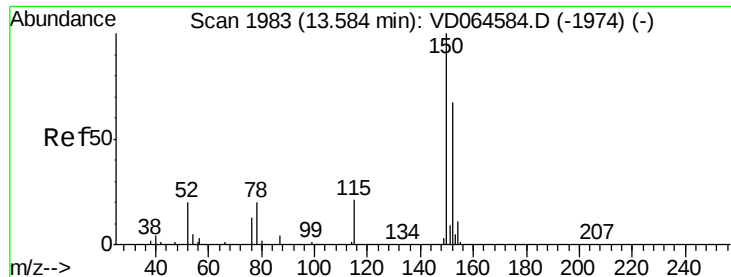
Tgt Ion: 95 Resp: 292070
Ion Ratio Lower Upper
95 100
174 93.2 0.0 193.2
176 90.7 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064853.D
Acq: 13 Jan 2020 17:01

Tgt Ion: 117 Resp: 705080
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.4
119 30.8 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: VD064853.D

Acq: 13 Jan 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

SB-9_13.5-14.0

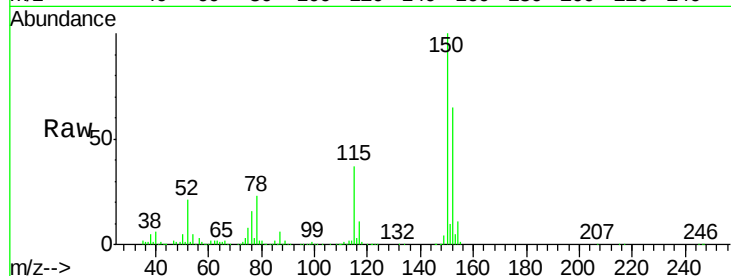
Tgt Ion:152 Resp: 335099

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

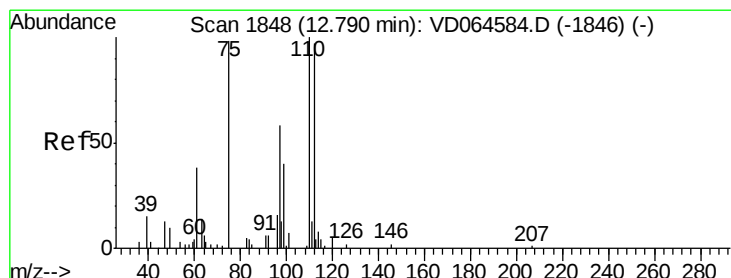
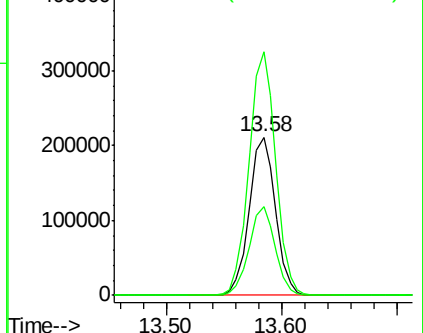
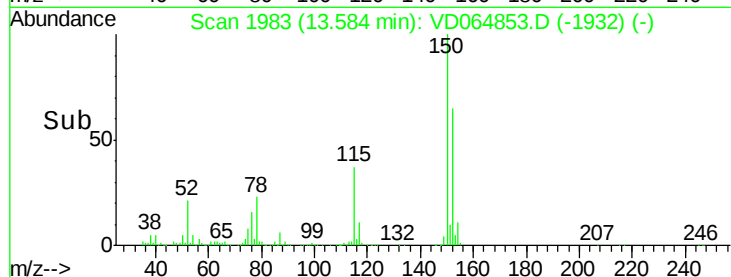
150 155.5 0.0 351.4



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: 59.108 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064853.D

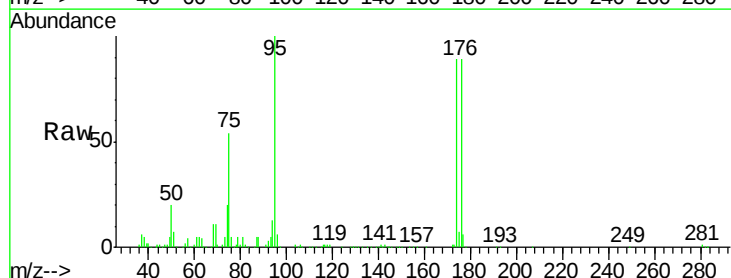
Acq: 13 Jan 2020 17:01

Tgt Ion: 75 Resp: 156409

Ion Ratio Lower Upper

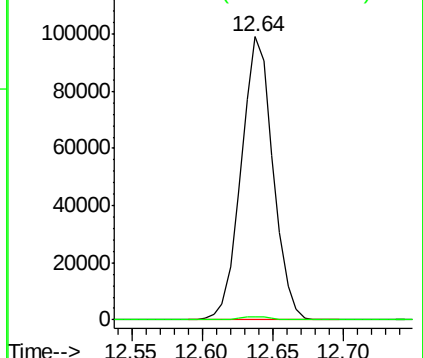
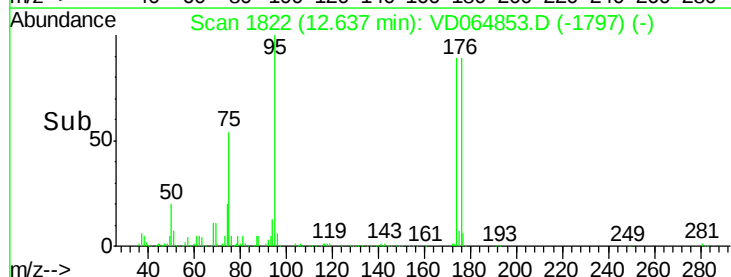
75 100

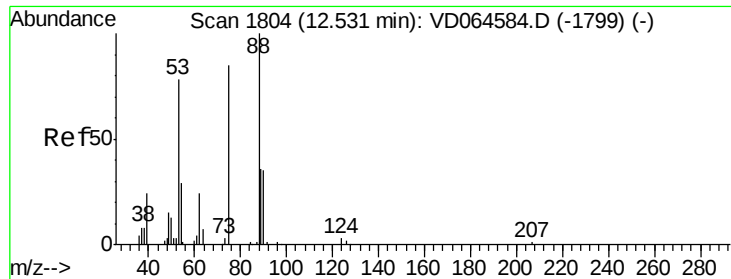
77 1.2 0.0 0.0#



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: 123.623 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064853.D

Acq: 13 Jan 2020 17:01

Instrument :

MSVOA_D

ClientSampleId :

SB-9_13.5-14.0

Tgt Ion: 75 Resp: 156409

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 38.3 57.5#

