

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065120.D
 Acq On : 07 Feb 2020 20:09
 Operator : VA/SY
 Sample : L1403-14
 Misc : 7.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:09:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

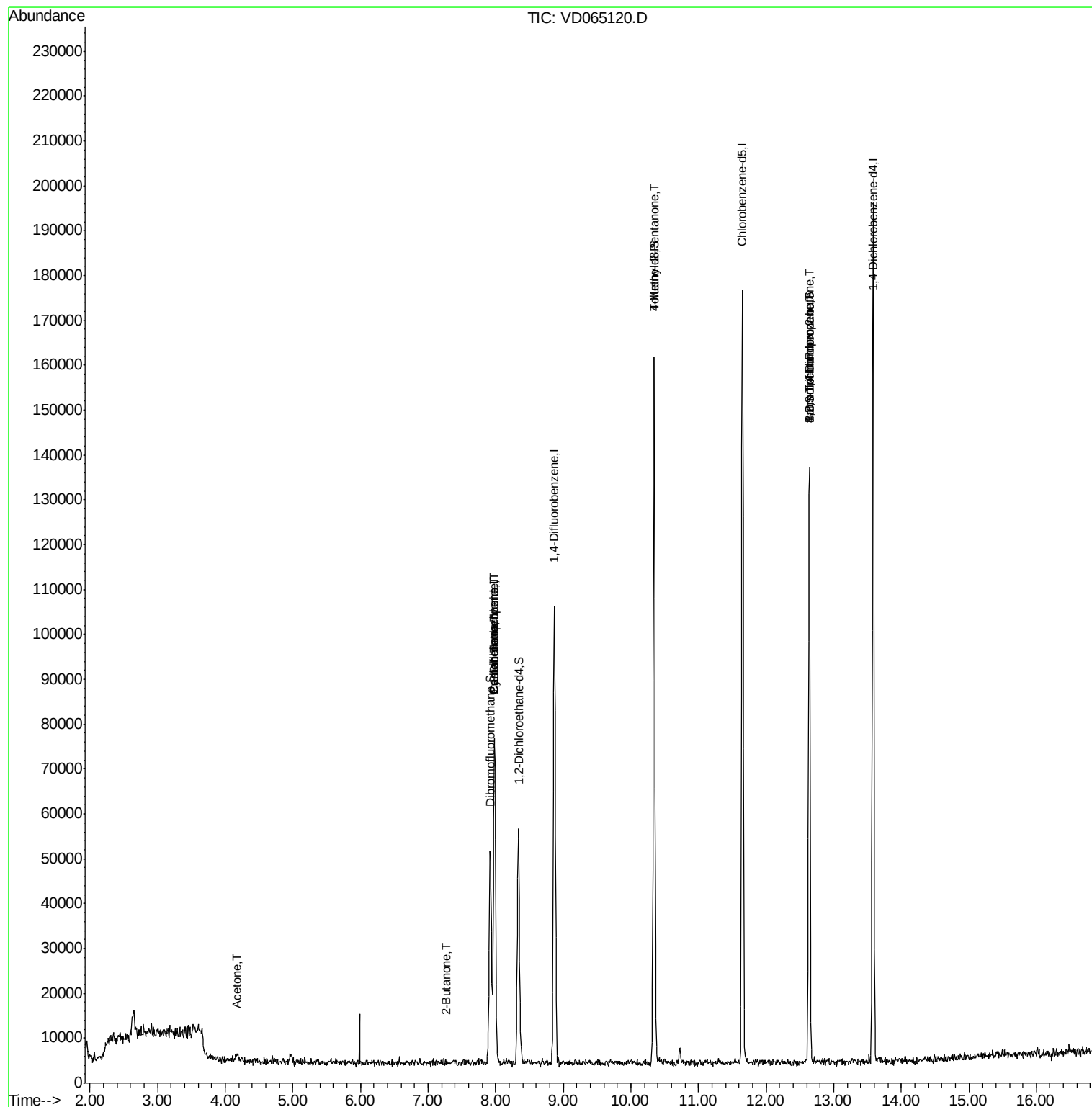
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	53631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	84602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	99057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	51051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	42714	93.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	187.42%	
35) Dibromofluoromethane	7.92	113	34544	73.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	146.36%	
50) Toluene-d8	10.34	98	104018	55.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.64	95	40236	67.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.18%	
Target Compounds						
					Qvalue	
16) Acetone	4.18	43	2820	24.745	ug/l #	83
20) Methylene Chloride	4.96	84	644	Below Cal	#	70
25) 2-Butanone	7.26	43	181	1.331	ug/l #	50
31) Cyclohexane	7.98	56	1253	1.382	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	4311	5.480	ug/l #	50
38) Carbon Tetrachloride	7.98	117	5623	6.999	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	428	1.414	ug/l #	1
71) Bromoform	12.64	173	477	1.253	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	21870	56.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	21870	113.162	ug/l #	10

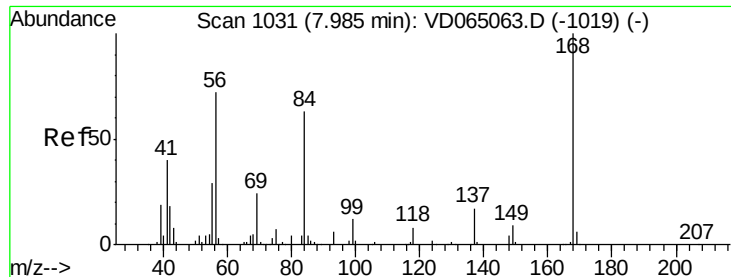
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065120.D

Acq: 07 Feb 2020 20:09

Instrument :

MSVOA_D

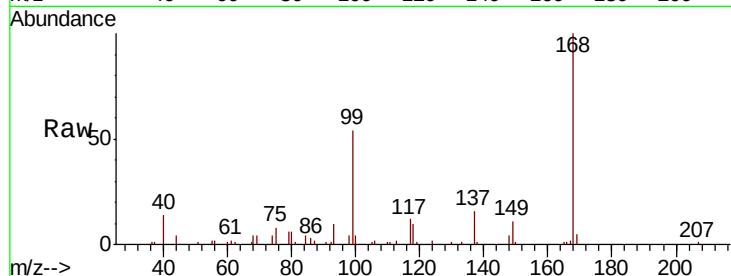
ClientSampleId :

Tot Ion:168 Resp: 53631

Ion Ratio Lower Upper

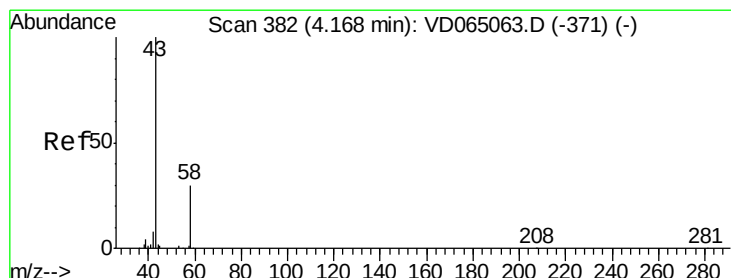
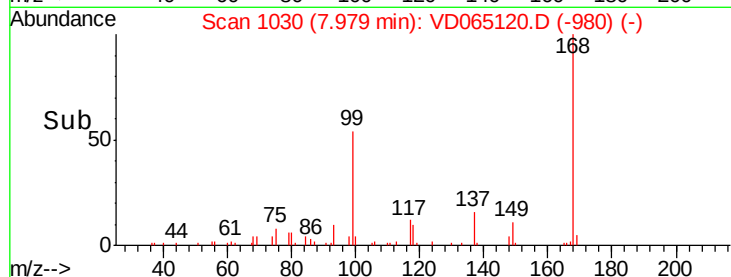
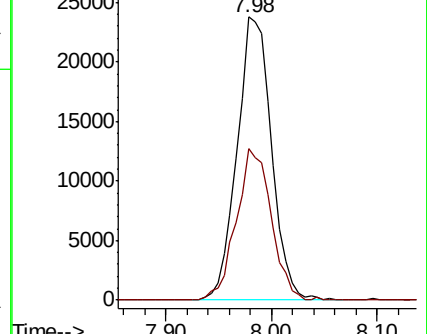
168 100

99 53.8 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 24.745 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065120.D

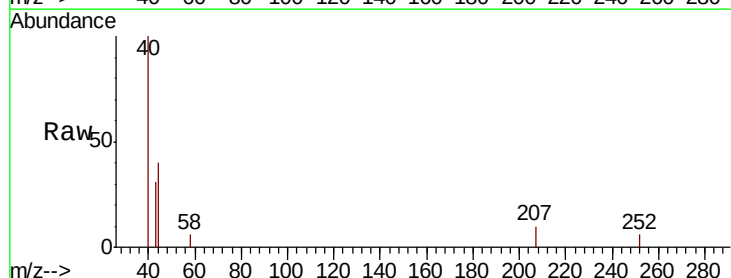
Acq: 07 Feb 2020 20:09

Tgt Ion: 43 Resp: 2820

Ion Ratio Lower Upper

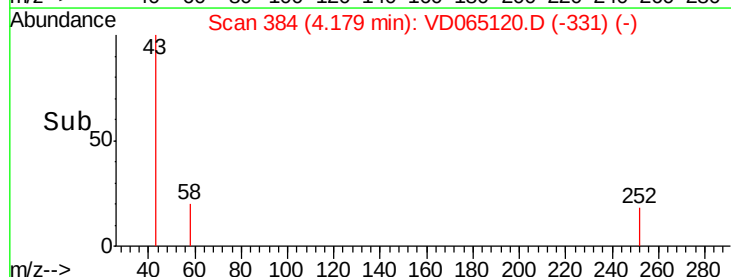
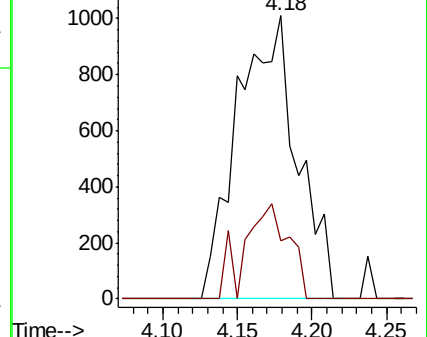
43 100

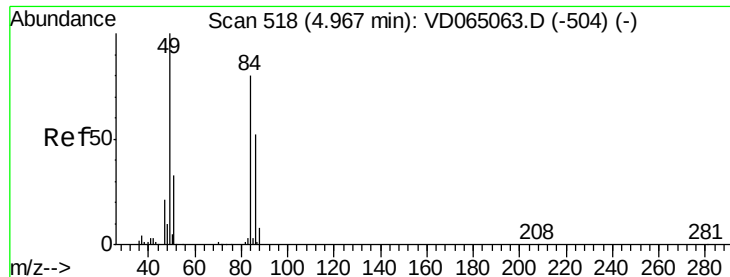
58 20.5 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

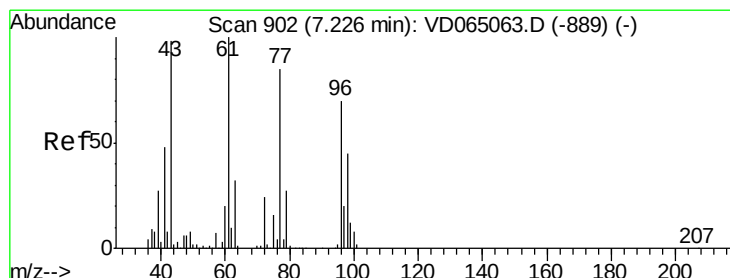
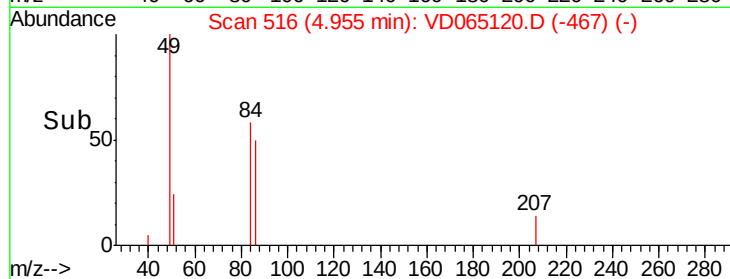
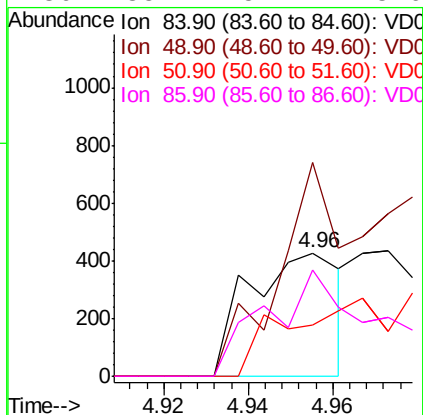
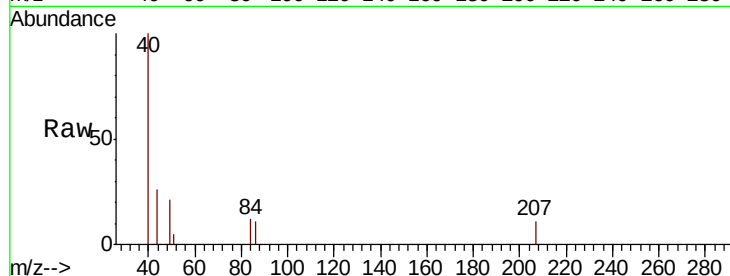




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065120.D
Acq: 07 Feb 2020 20:09

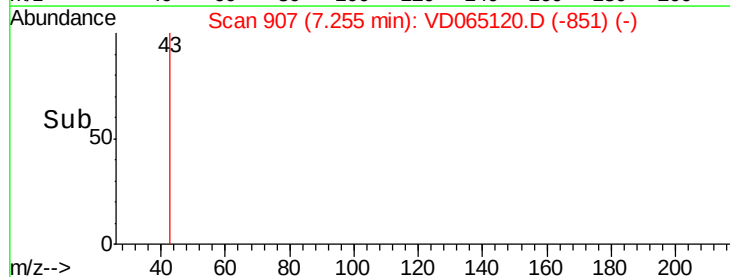
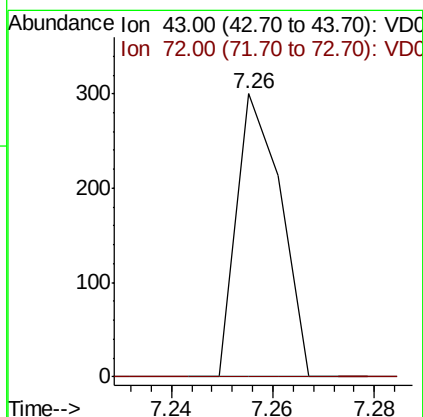
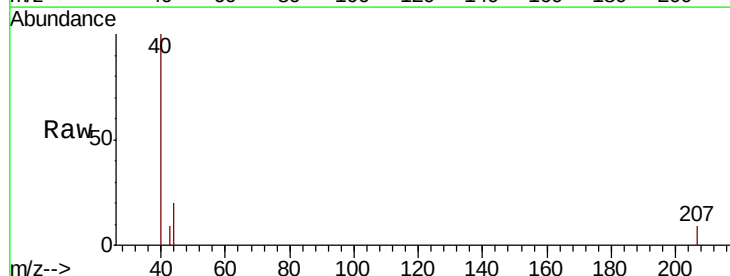
Instrument :
MSVOA_D
ClientSampleId :

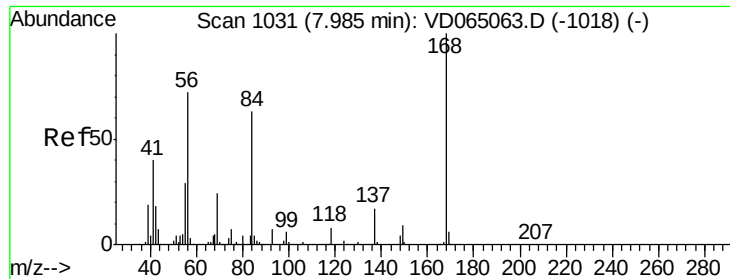
Tot Ion: 84 Resp: 644
Ion Ratio Lower Upper
84 100
49 172.9 100.4 150.6#
51 41.1 32.7 49.1
86 85.7 52.4 78.6#



#25
2-Butanone
Concen: 1.331 ug/l
RT: 7.26 min Scan# 907
Delta R.T. 0.03 min
Lab File: VD065120.D
Acq: 07 Feb 2020 20:09

Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

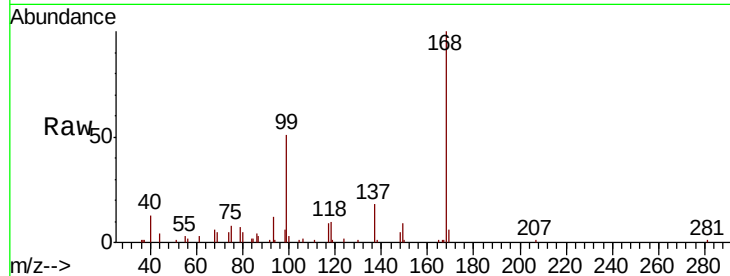




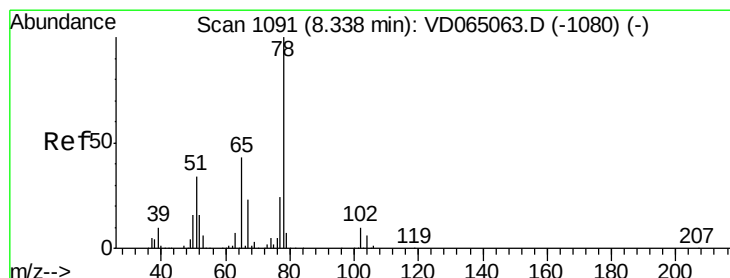
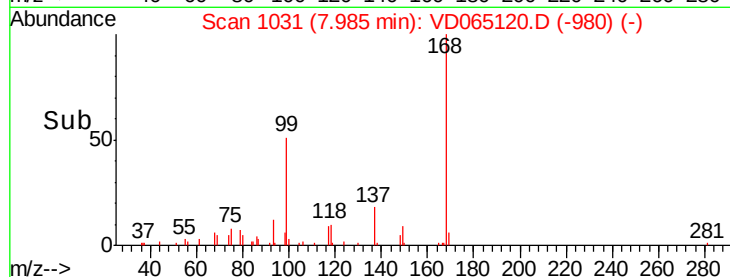
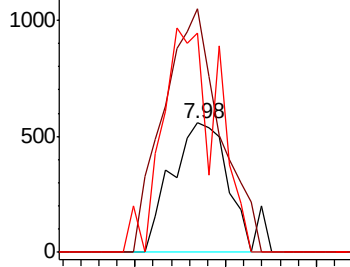
#31
Cyclohexane
Concen: 1.382 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065120.D
Acq: 07 Feb 2020 20:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 1253
Ion Ratio Lower Upper
56 100
69 188.2 26.6 40.0#
84 169.7 70.6 106.0#

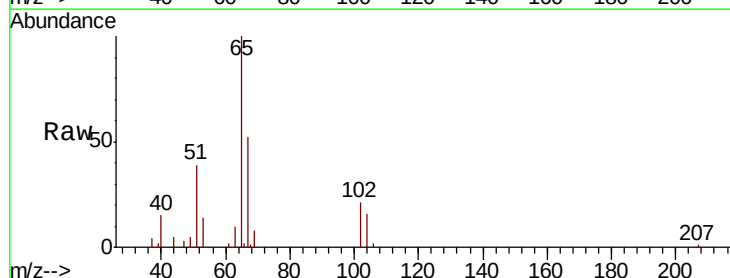


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

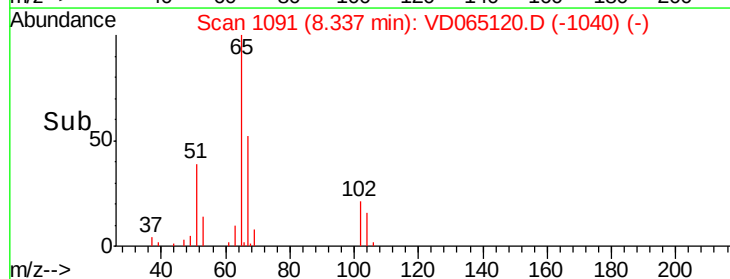
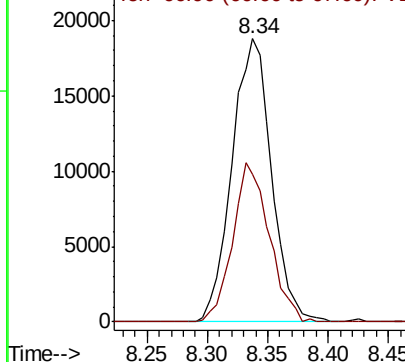


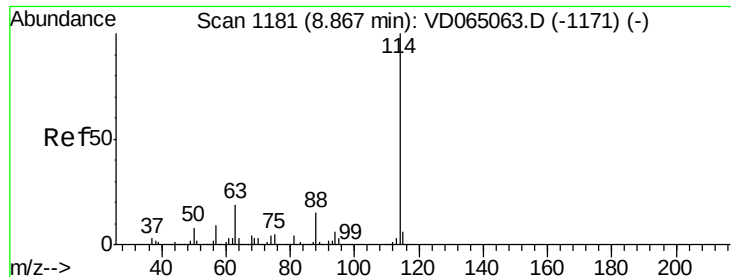
#33
1,2-Dichloroethane-d4
Concen: 93.709 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065120.D
Acq: 07 Feb 2020 20:09

Tgt Ion: 65 Resp: 42714
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.8



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

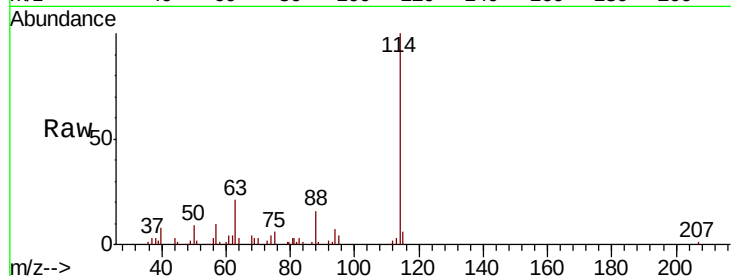




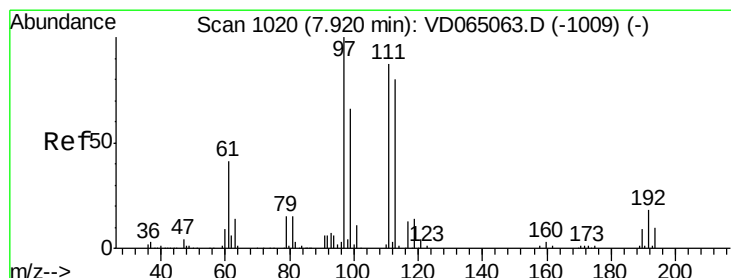
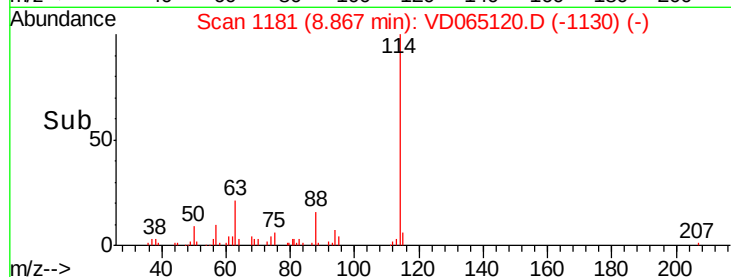
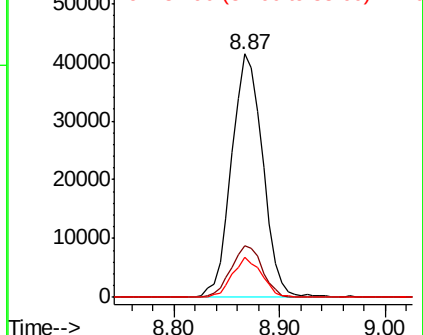
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065120.D
 Acq: 07 Feb 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 84602
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 38.8
 88 16.3 0.0 29.6

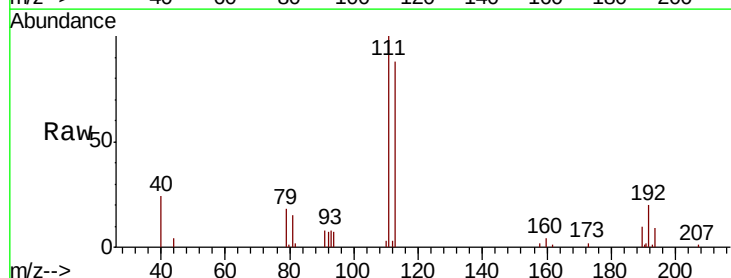


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

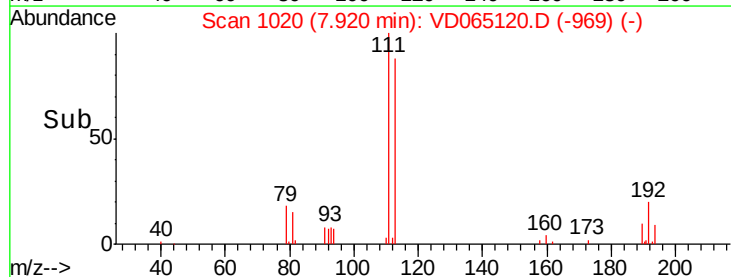
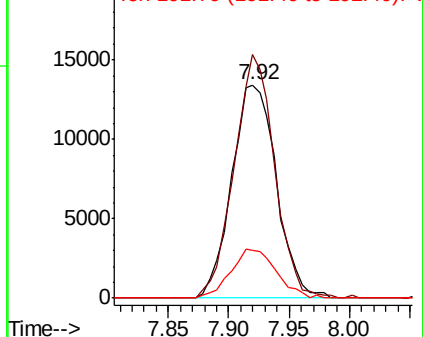


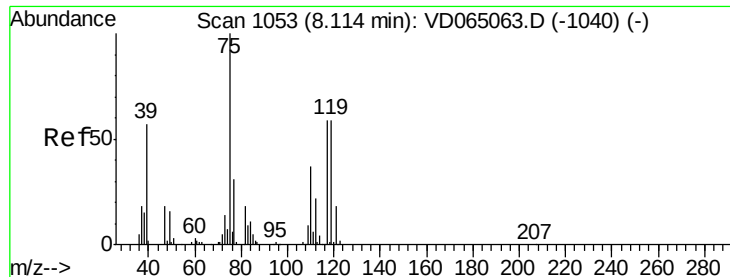
#35
 Dibromofluoromethane
 Concen: 73.182 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065120.D
 Acq: 07 Feb 2020 20:09

Tgt Ion:113 Resp: 34544
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.1 124.7
 192 23.2 18.1 27.1



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

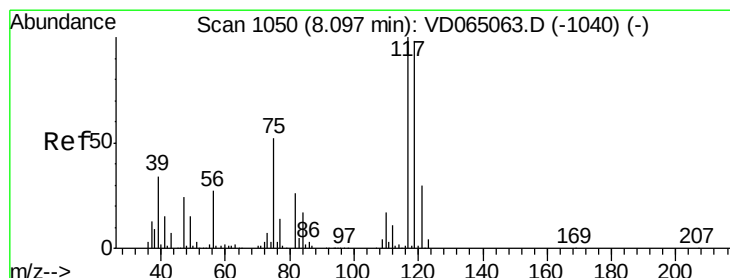
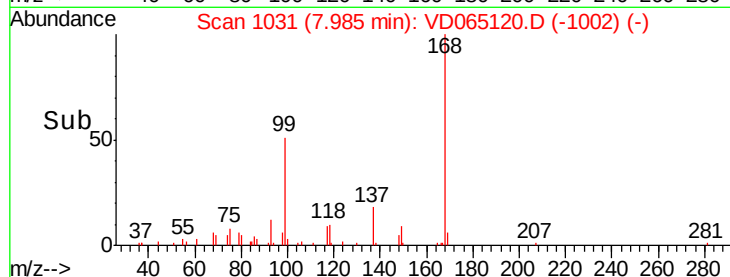
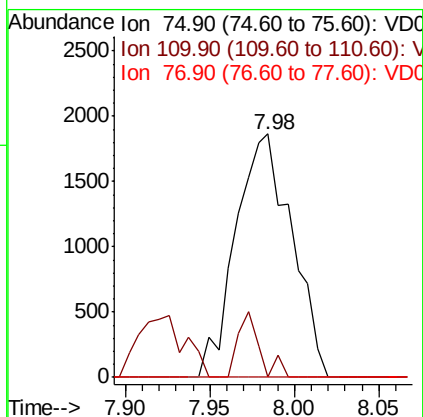
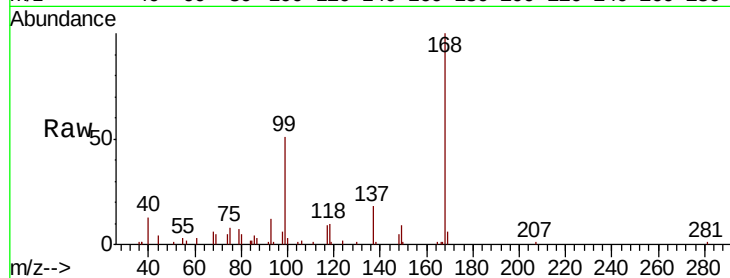




#36
 1,1-Dichloropropene
 Concen: 5.480 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065120.D
 Acq: 07 Feb 2020 20:09

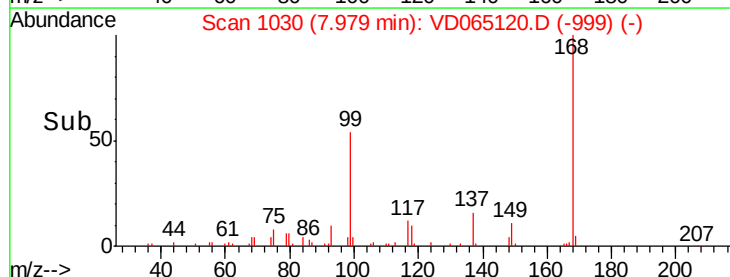
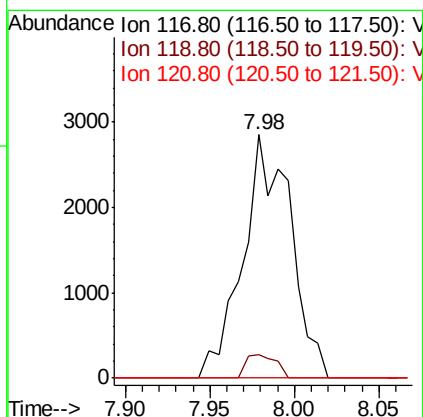
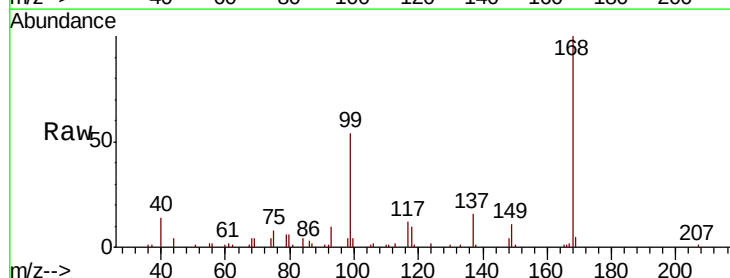
Instrument :
 MSVOA_D
 ClientSampleId :

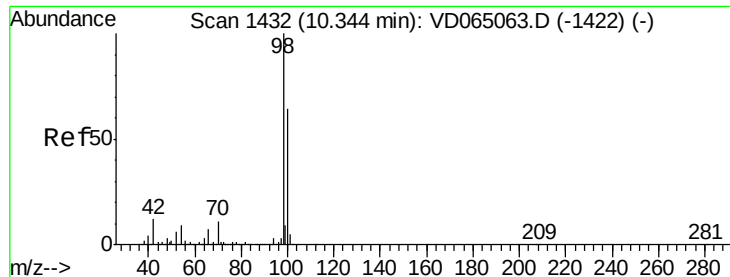
Tot Ion	75	Resp	4311
Ion Ratio	Lower	Upper	
75	100		
110	10.2	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.999 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065120.D
 Acq: 07 Feb 2020 20:09

Tgt Ion	117	Resp	5623
Ion Ratio	Lower	Upper	
117	100		
119	9.5	78.5	117.7#
121	0.0	23.8	35.6#

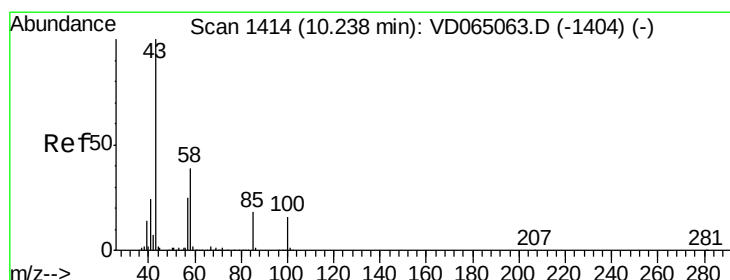
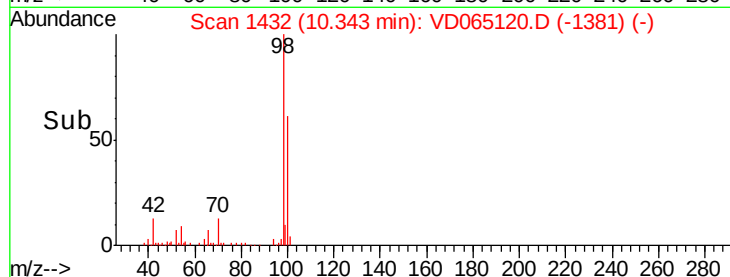
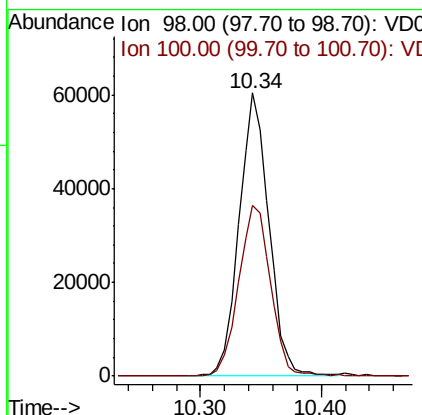
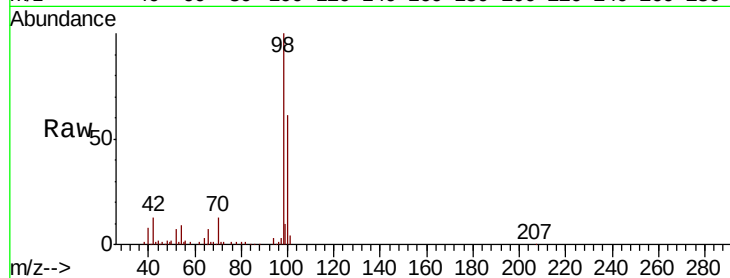




#50
Toluene-d8
Concen: 55.364 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065120.D
Acq: 07 Feb 2020 20:09

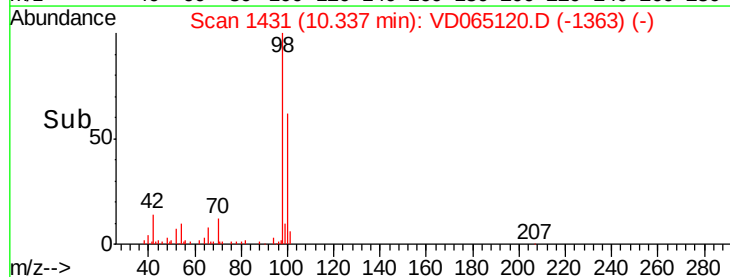
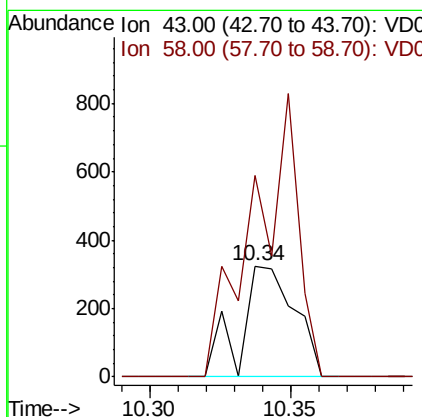
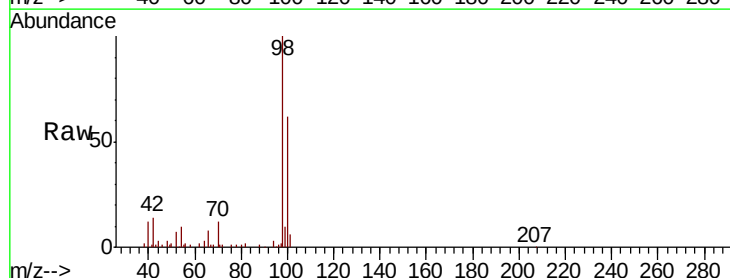
Instrument :
MSVOA_D
ClientSampleId :

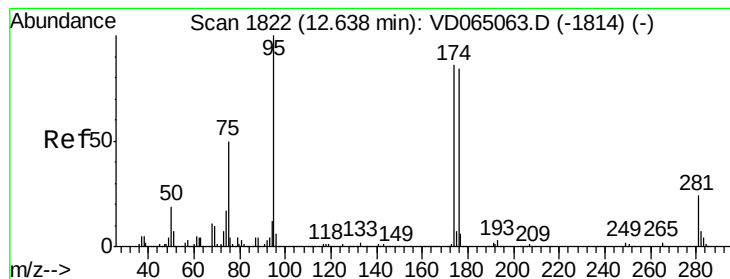
Tot Ion: 98 Resp: 104018
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.414 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.10 min
Lab File: VD065120.D
Acq: 07 Feb 2020 20:09

Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 211.2 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 67.587 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065120.D

Acq: 07 Feb 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

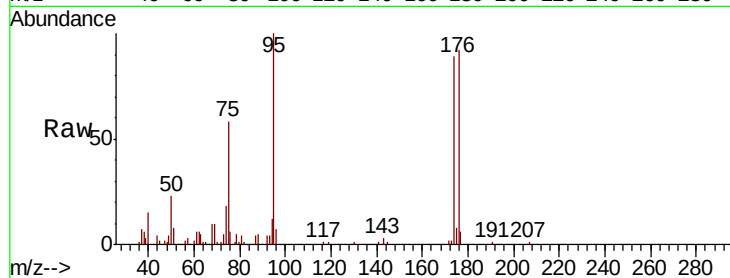
Tot Ion: 95 Resp: 40236

Ion Ratio Lower Upper

95 100

174 94.8 0.0 180.0

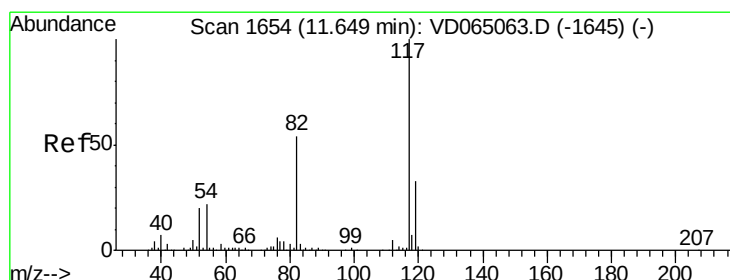
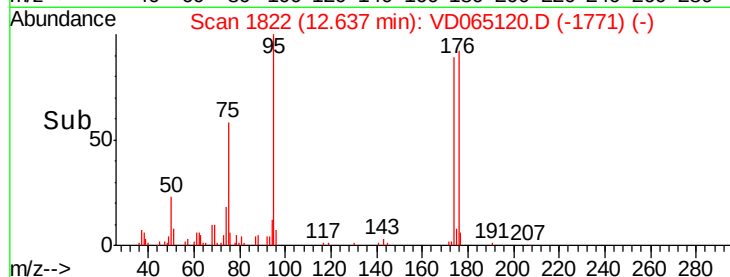
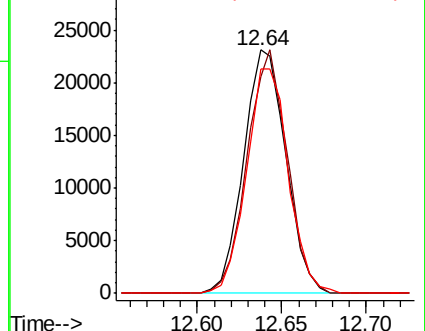
176 91.2 0.0 173.2



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: VD065120.D

Acq: 07 Feb 2020 20:09

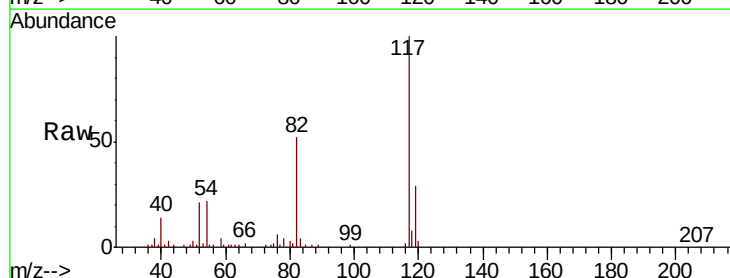
Tgt Ion: 117 Resp: 99057

Ion Ratio Lower Upper

117 100

82 52.2 43.1 64.7

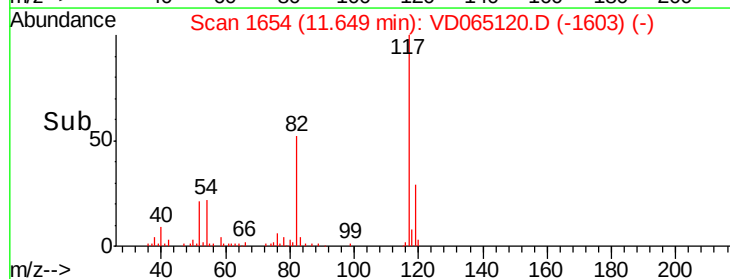
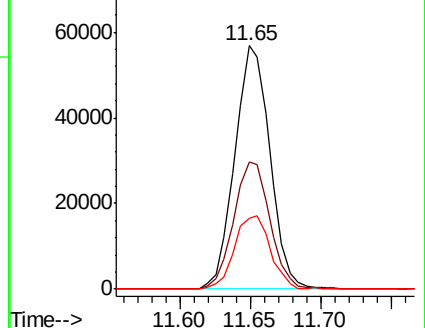
119 29.1 26.0 39.0

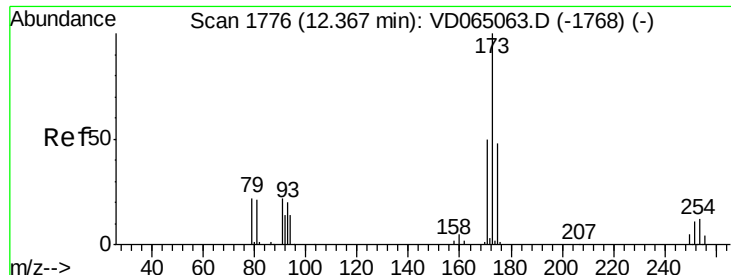


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.253 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065120.D

Acq: 07 Feb 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

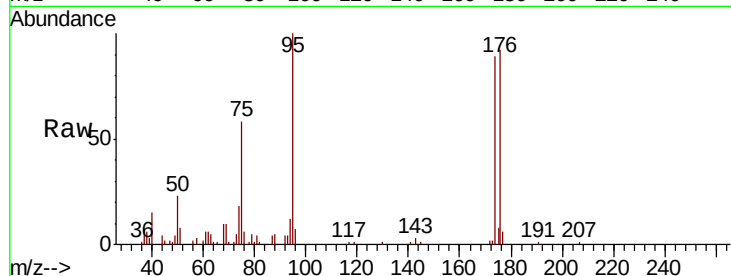
Tot Ion:173 Resp: 477

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

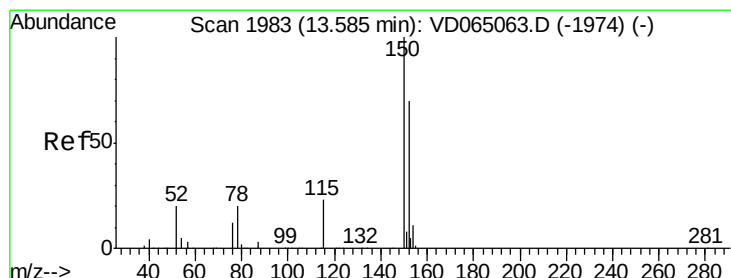
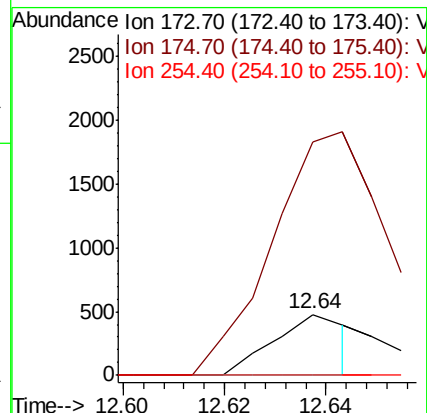
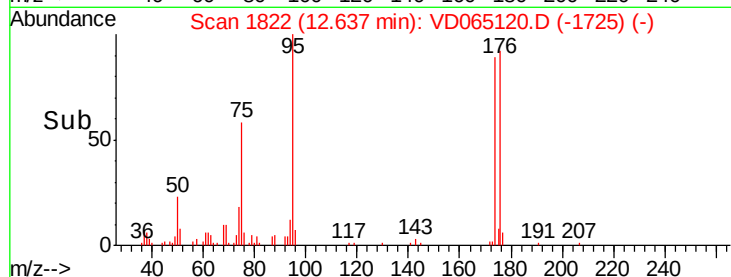
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD065120.D

Acq: 07 Feb 2020 20:09

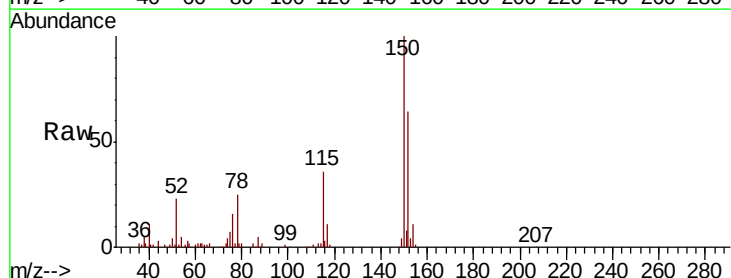
Tgt Ion:152 Resp: 51051

Ion Ratio Lower Upper

152 100

115 57.8 27.5 82.4

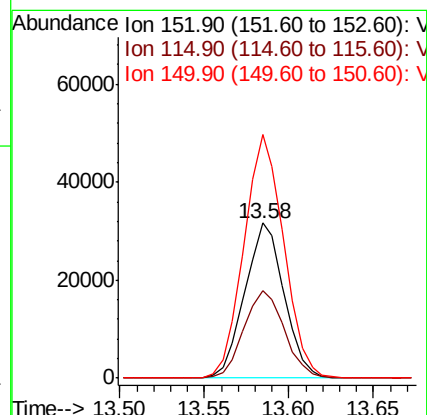
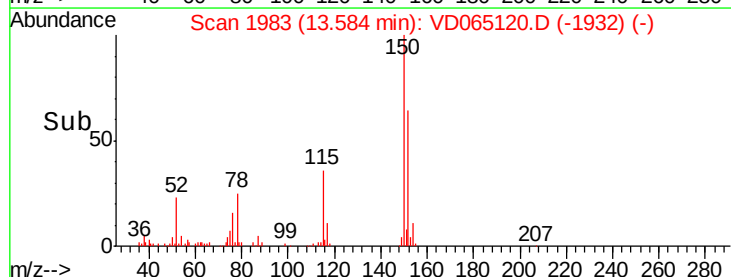
150 159.2 0.0 343.2

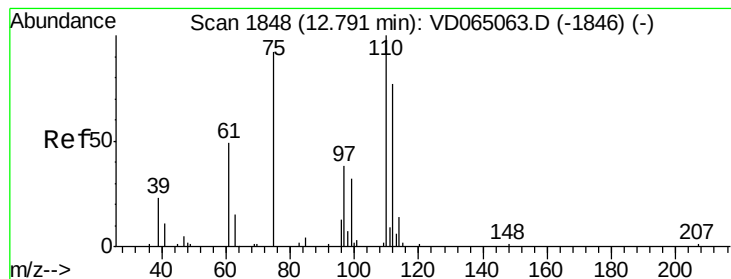


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.583 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065120.D

Acq: 07 Feb 2020 20:09

Instrument :

MSVOA_D

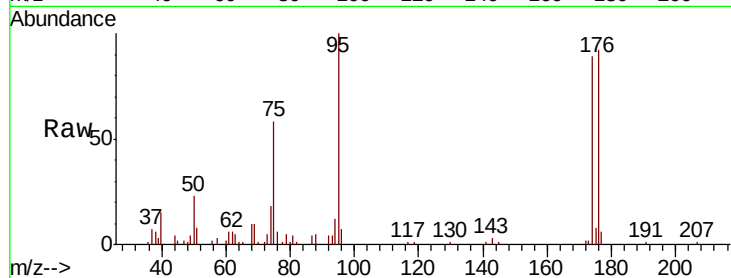
ClientSampleId :

Tot Ion: 75 Resp: 21870

Ion Ratio Lower Upper

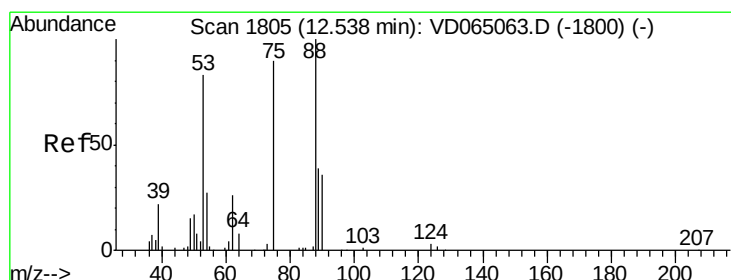
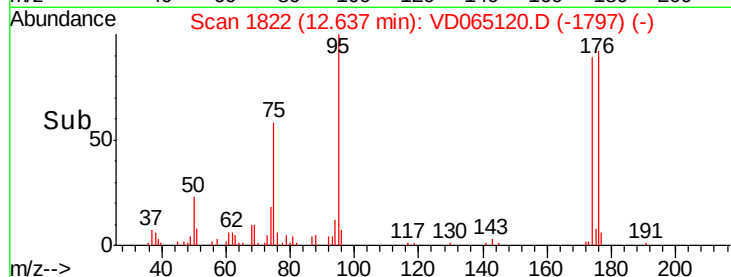
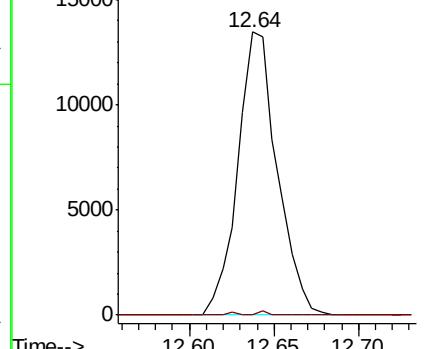
75 100

77 0.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 113.162 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065120.D

Acq: 07 Feb 2020 20:09

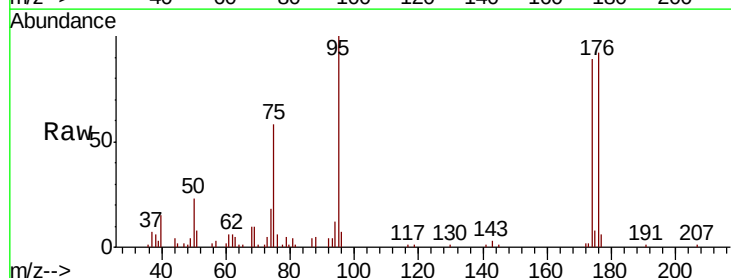
Tgt Ion: 75 Resp: 21870

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.0 55.4#



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

