

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065088.D
 Acq On : 06 Feb 2020 15:54
 Operator : VA/SY
 Sample : L1394-05
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:09:32 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

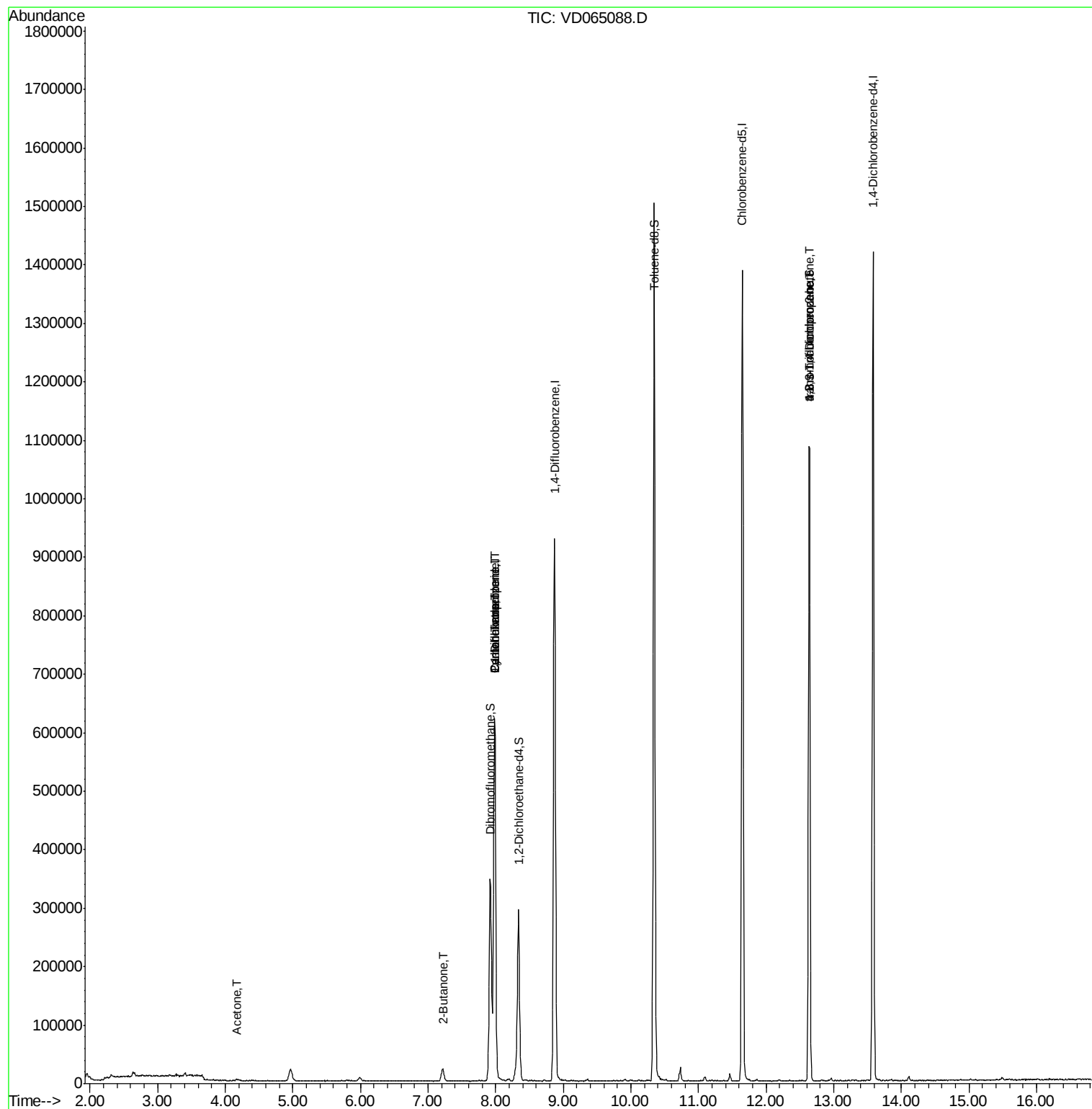
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	807622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	789590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	383295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	232357	56.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.72%	
35) Dibromofluoromethane	7.92	113	244867	54.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.68%	
50) Toluene-d8	10.34	98	986891	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.64	95	339260	59.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.40%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	3699	3.589	ug/l #	61
20) Methylene Chloride	4.97	84	15514	Below Cal		96
25) 2-Butanone	7.22	43	2226	1.811	ug/l	100
31) Cyclohexane	7.98	56	11327	1.381	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	35696	4.753	ug/l #	48
38) Carbon Tetrachloride	7.98	117	45520	5.935	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	178691	61.576	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178691	123.148	ug/l #	10

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

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MSVOA_D
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Quant Time: Feb 07 06:09:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
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# 1031

Delta R.T. -0.00 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

Instrument :

MSVOA_D

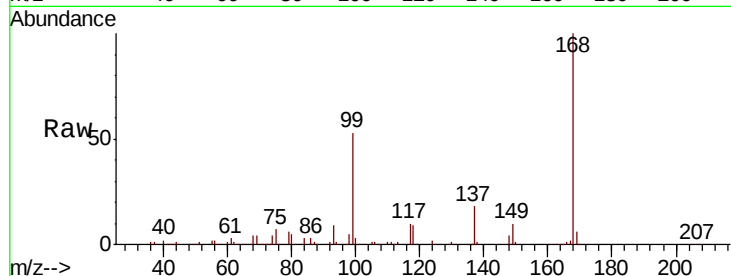
ClientSampleId :

Tot Ion:168 Resp: 485046

Ion Ratio Lower Upper

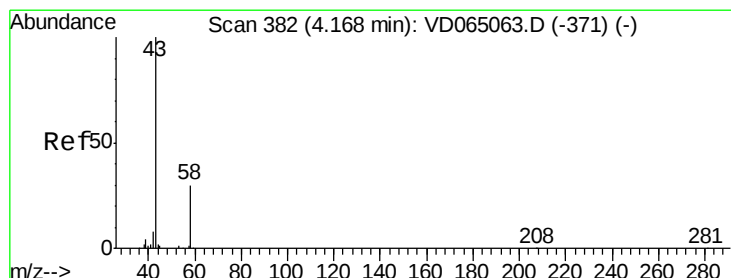
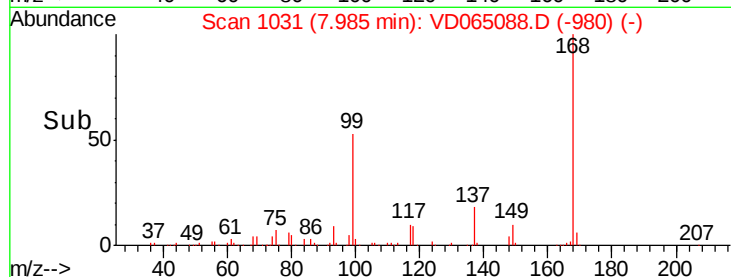
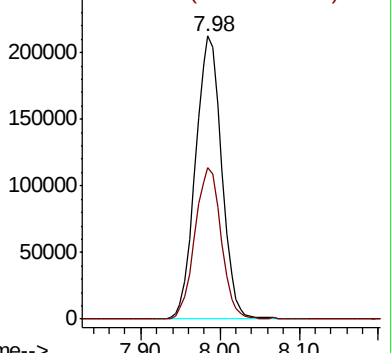
168 100

99 53.4 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: 3.589 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065088.D

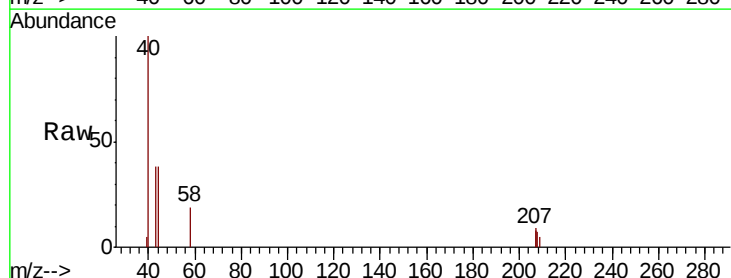
Acq: 06 Feb 2020 15:54

Tgt Ion: 43 Resp: 3699

Ion Ratio Lower Upper

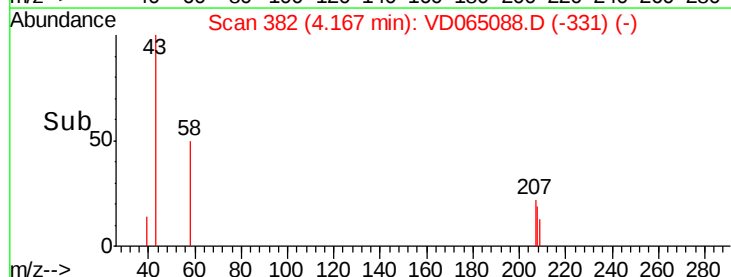
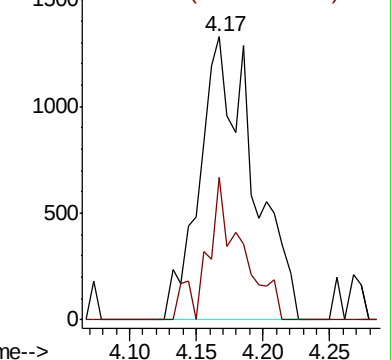
43 100

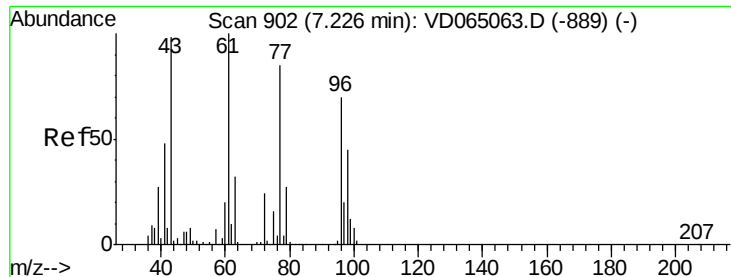
58 50.2 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#25

2-Butanone

Concen: 1.811 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

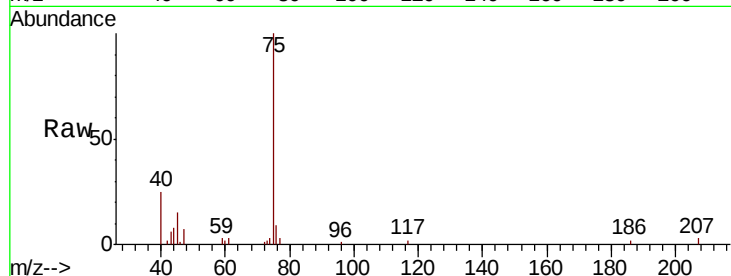
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2226

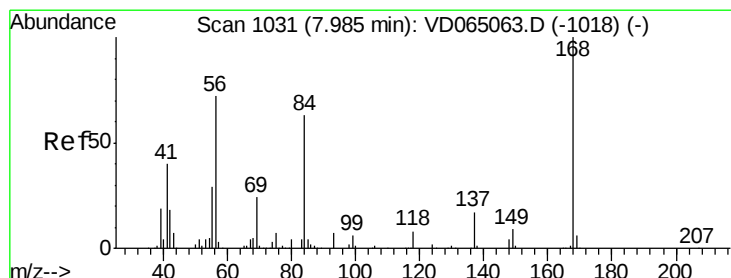
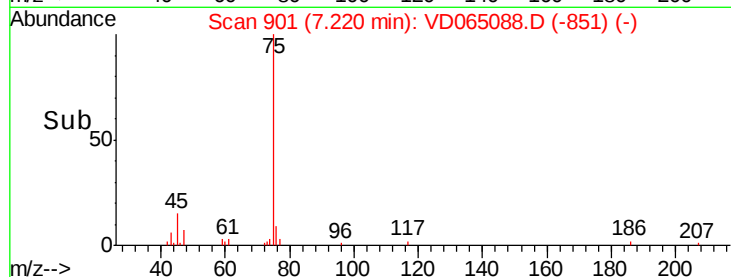
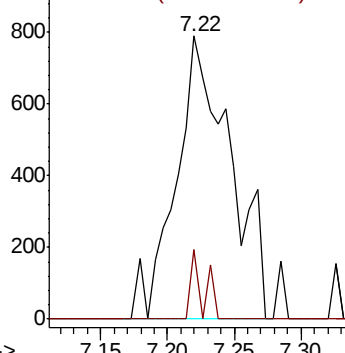
Ion Ratio Lower Upper

43 100

72 24.7 19.9 29.9



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



#31

Cyclohexane

Concen: 1.381 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

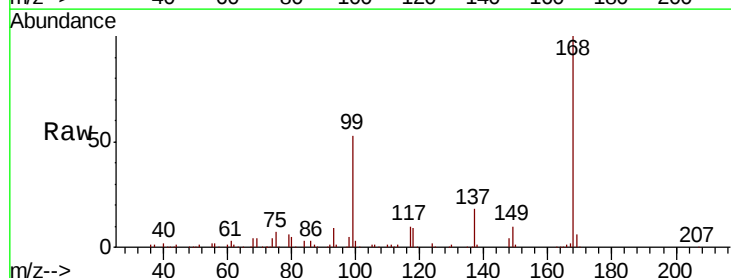
Tgt Ion: 56 Resp: 11327

Ion Ratio Lower Upper

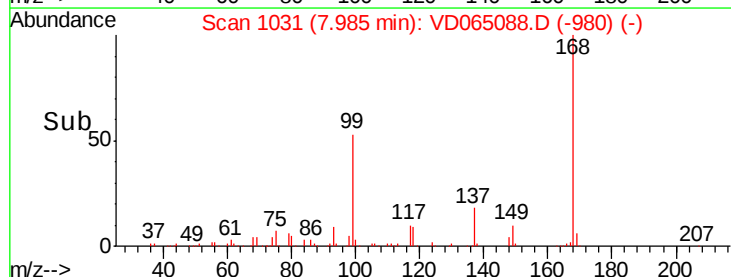
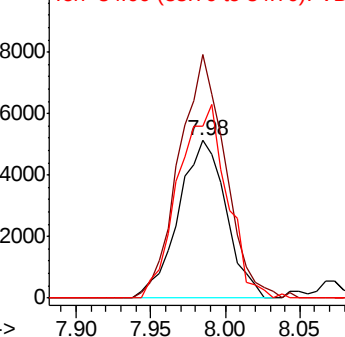
56 100

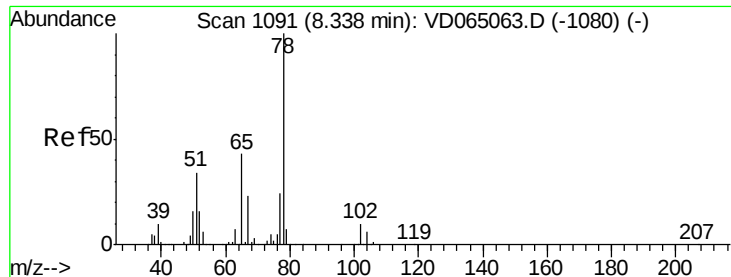
69 154.7 26.6 40.0#

84 109.2 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

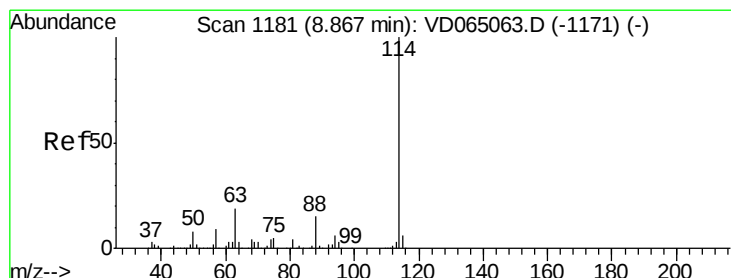
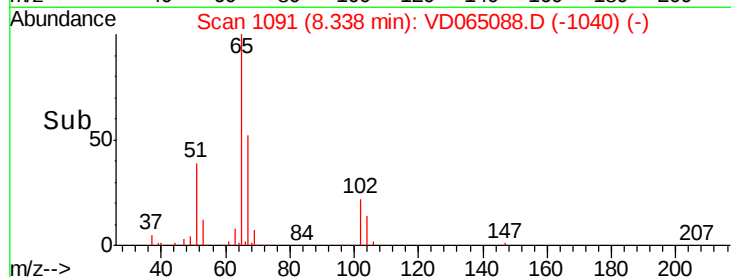
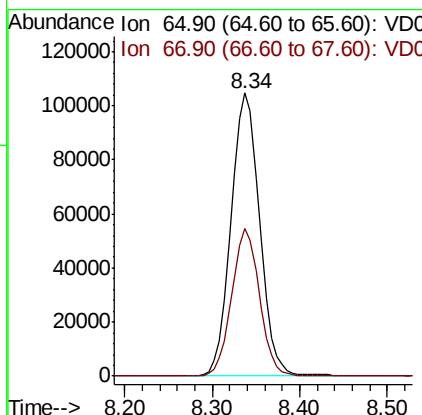
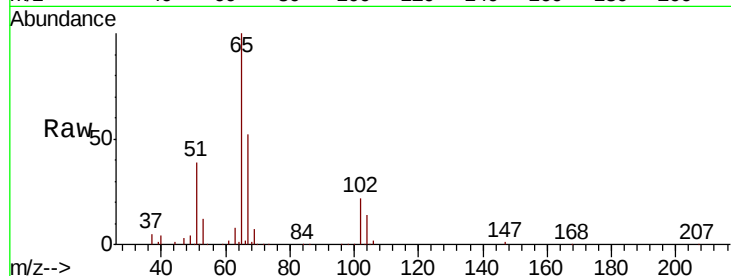




#33
 1,2-Dichloroethane-d4
 Concen: 56.363 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065088.D
 Acq: 06 Feb 2020 15:54

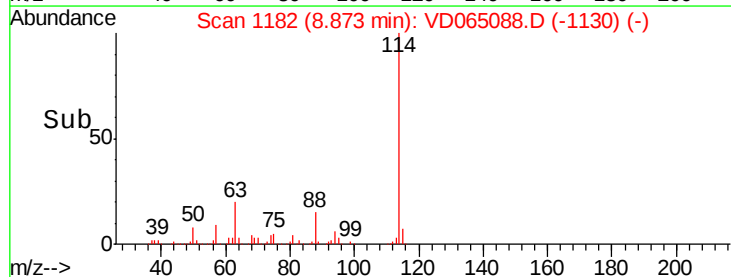
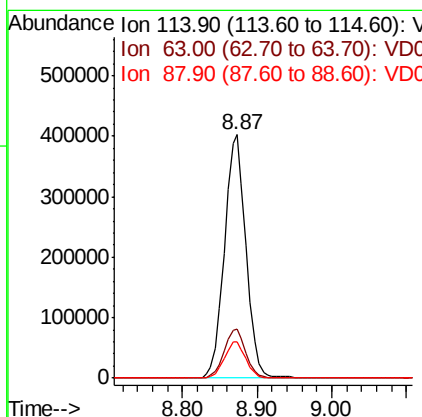
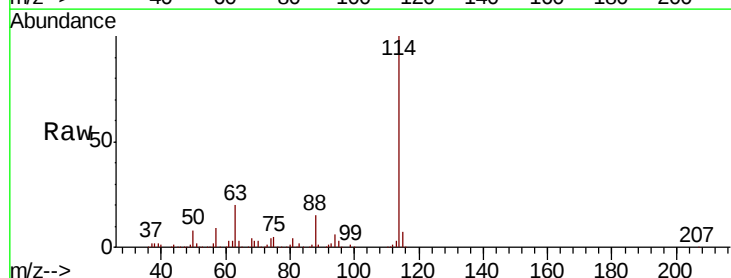
Instrument :
 MSVOA_D
 ClientSampled :

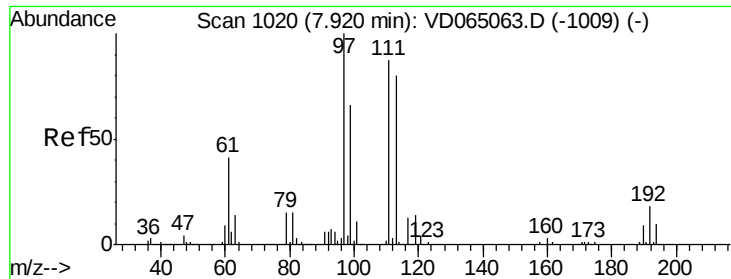
Tot Ion: 65 Resp: 232357
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065088.D
 Acq: 06 Feb 2020 15:54

Tgt Ion: 114 Resp: 807622
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.8
 88 14.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 54.342 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

Instrument :

MSVOA_D

ClientSampled :

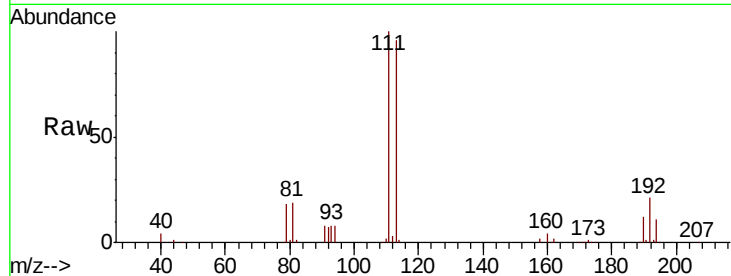
Tot Ion:113 Resp: 244867

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

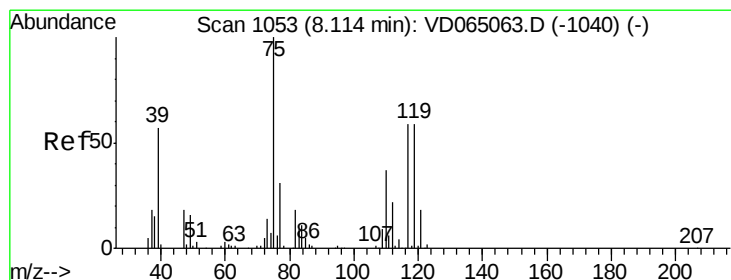
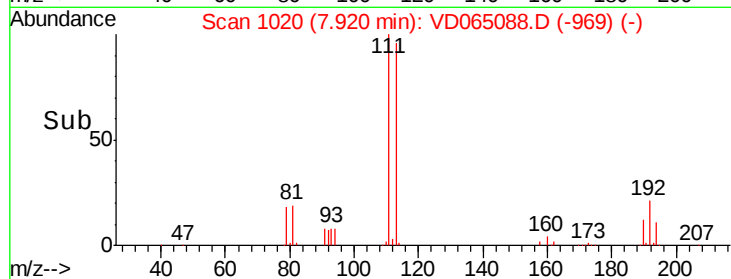
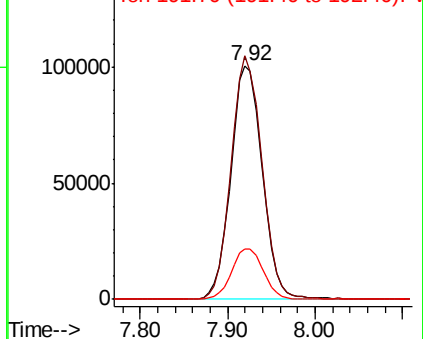
192 21.8 18.1 27.1



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: 4.753 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

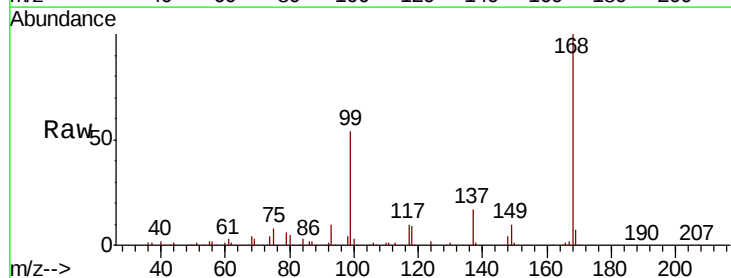
Tgt Ion: 75 Resp: 35696

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

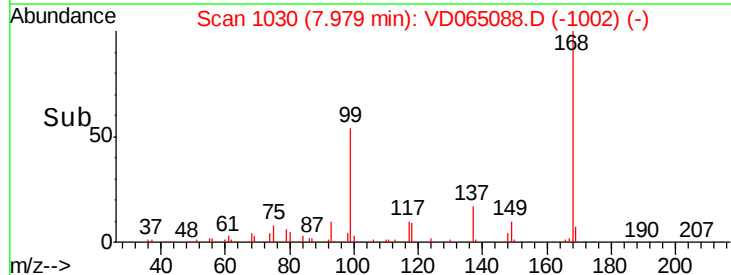
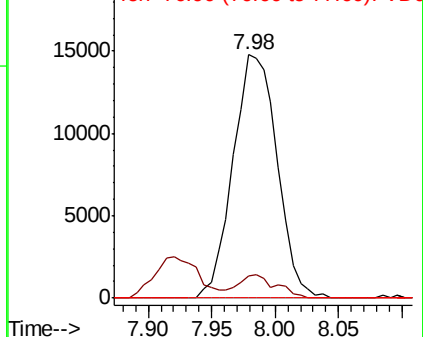
77 0.0 24.7 37.1#

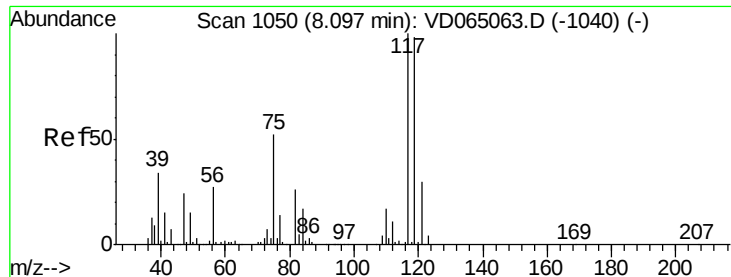


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

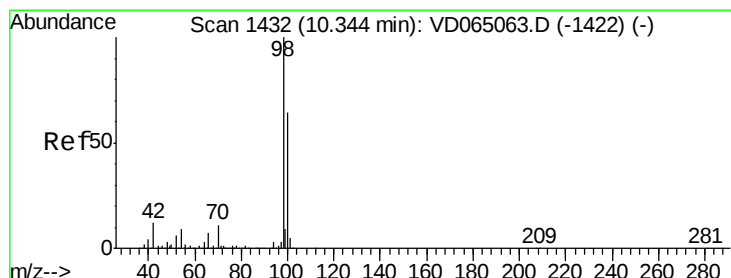
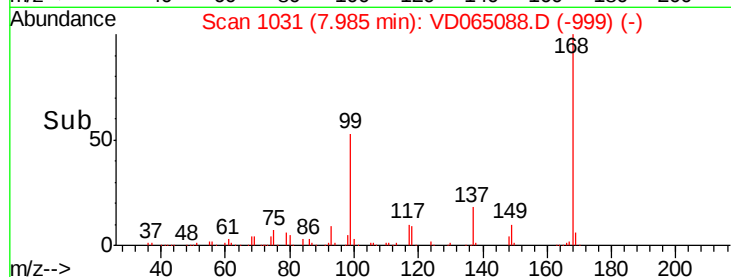
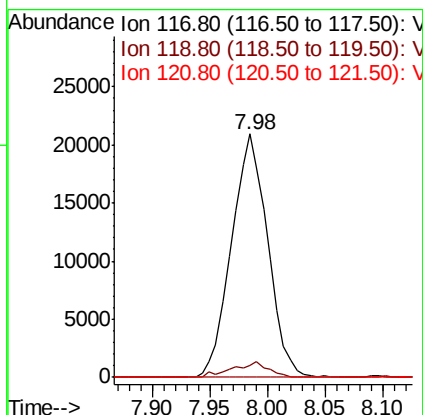
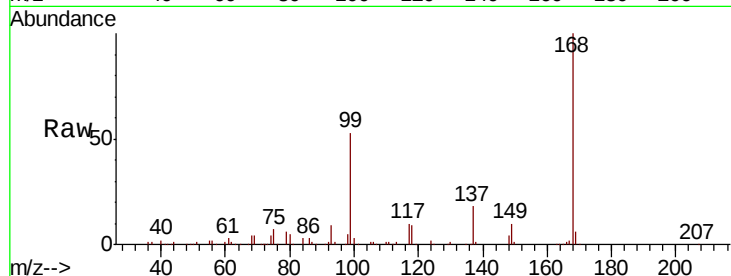




#38
Carbon Tetrachloride
Concen: 5.935 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065088.D
Acq: 06 Feb 2020 15:54

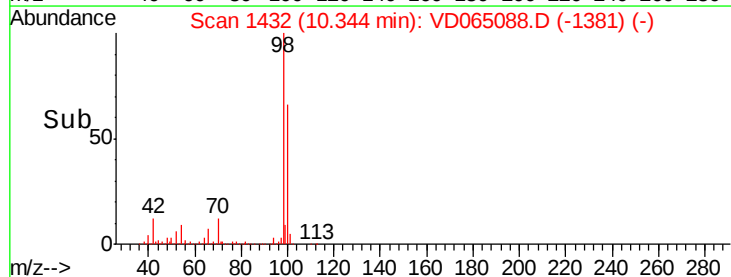
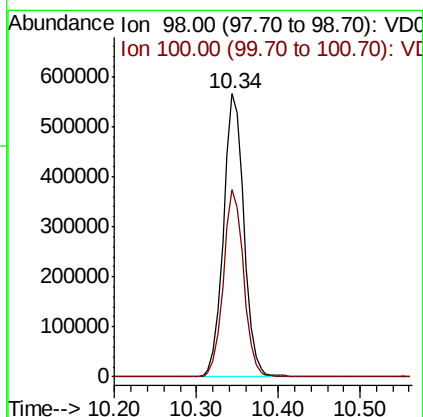
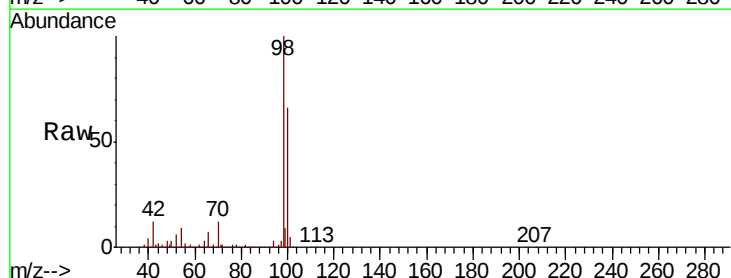
Instrument :
MSVOA_D
ClientSampleId :

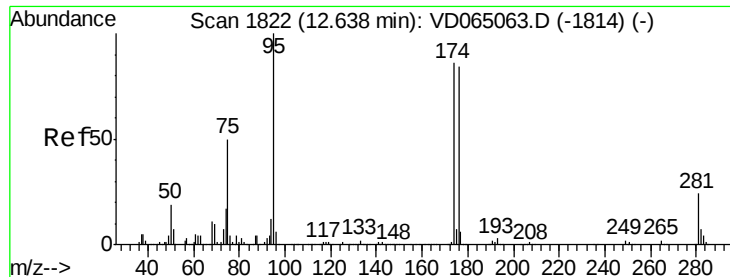
Tot Ion:117 Resp: 45520
Ion Ratio Lower Upper
117 100
119 4.7 78.5 117.7#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 55.025 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065088.D
Acq: 06 Feb 2020 15:54

Tgt Ion: 98 Resp: 986891
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 59.697 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

Instrument :

MSVOA_D

ClientSampleId :

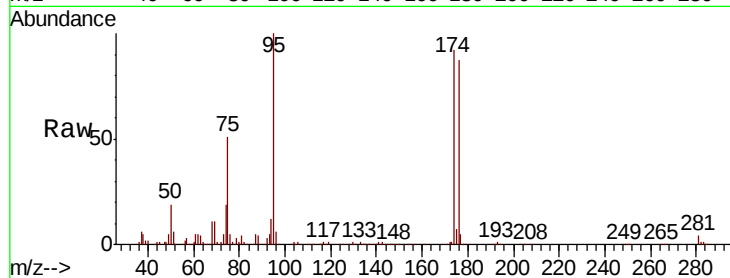
Tot Ion: 95 Resp: 339260

Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.0

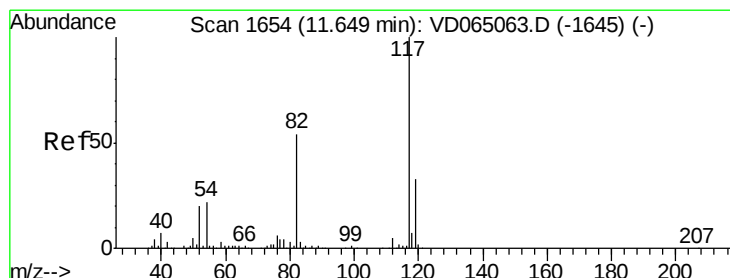
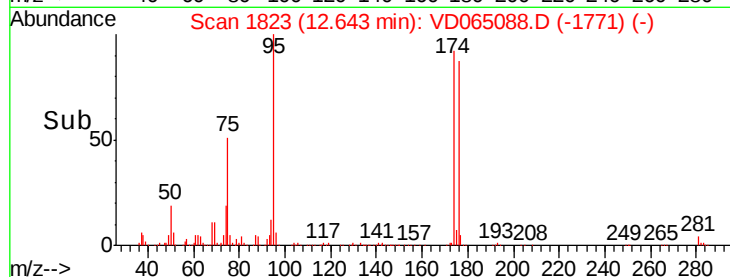
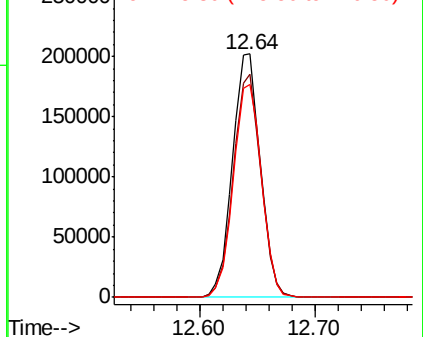
176 88.1 0.0 173.2



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: VD065088.D

Acq: 06 Feb 2020 15:54

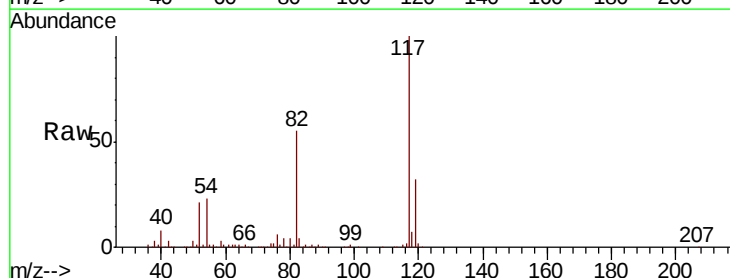
Tgt Ion: 117 Resp: 789590

Ion Ratio Lower Upper

117 100

82 54.7 43.1 64.7

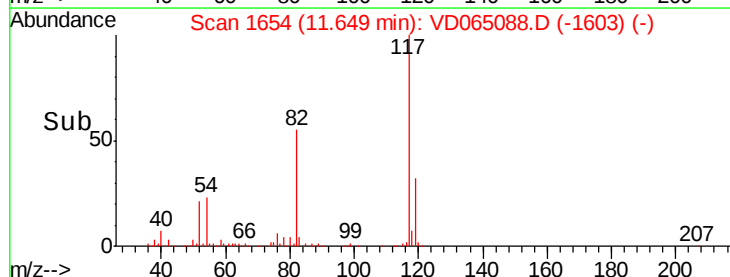
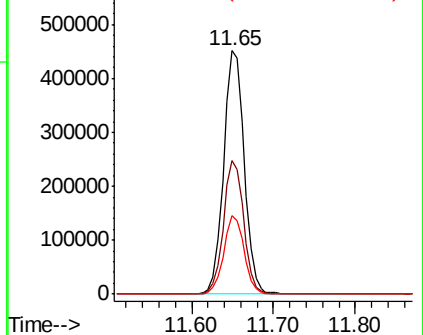
119 32.1 26.0 39.0

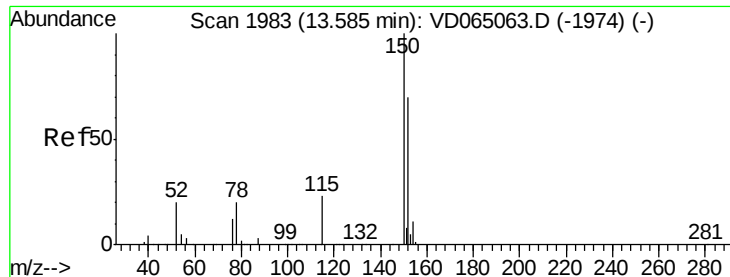


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



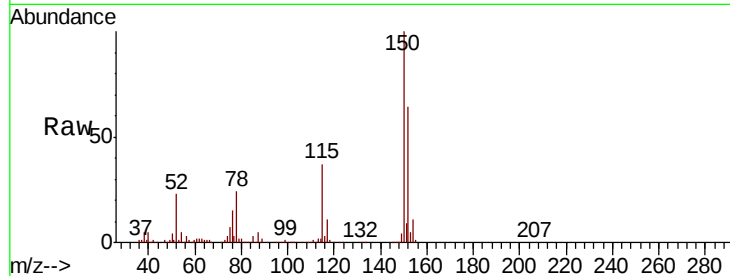


#72

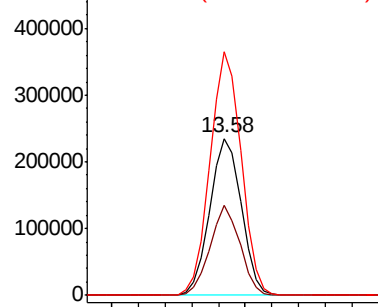
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065088.D
Acq: 06 Feb 2020 15:54

Instrument :
MSVOA_D
ClientSampled :

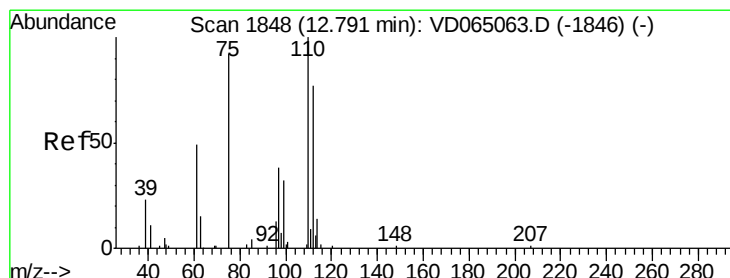
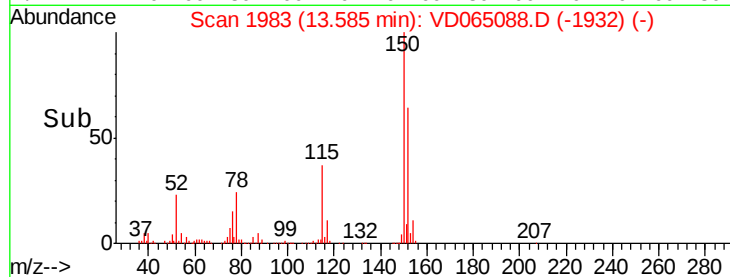
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.5	82.4
150	153.6	0.0	343.2



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



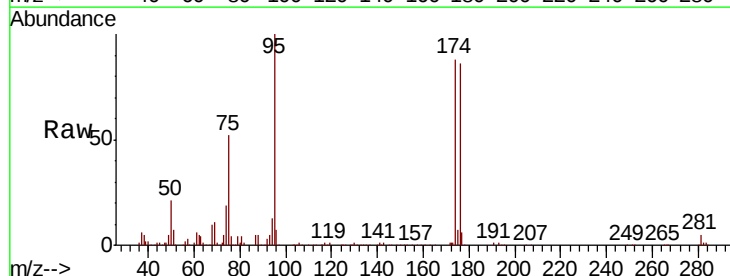
Time-->



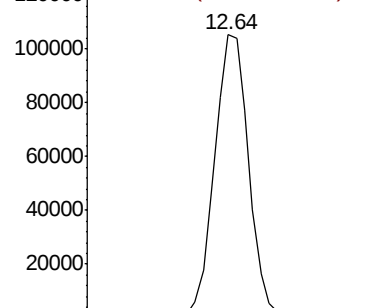
#76

1,2,3-Trichloropropane
Concen: 61.576 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065088.D
Acq: 06 Feb 2020 15:54

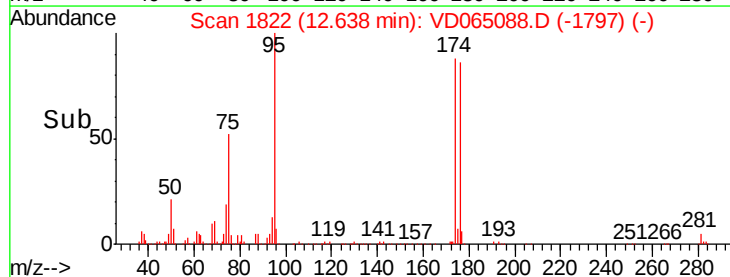
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

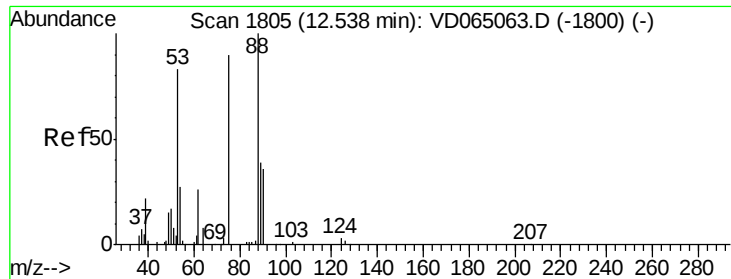


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 123.148 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065088.D

Acq: 06 Feb 2020 15:54

Instrument :

MSVOA_D

ClientSampleId :

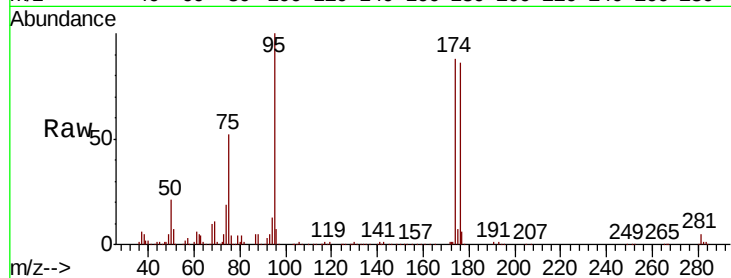
Tot Ion: 75 Resp: 178691

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 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

