

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065325.D
 Acq On : 26 Feb 2020 13:52
 Operator : VA/SY
 Sample : L1688-01
 Misc : 7.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:02:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

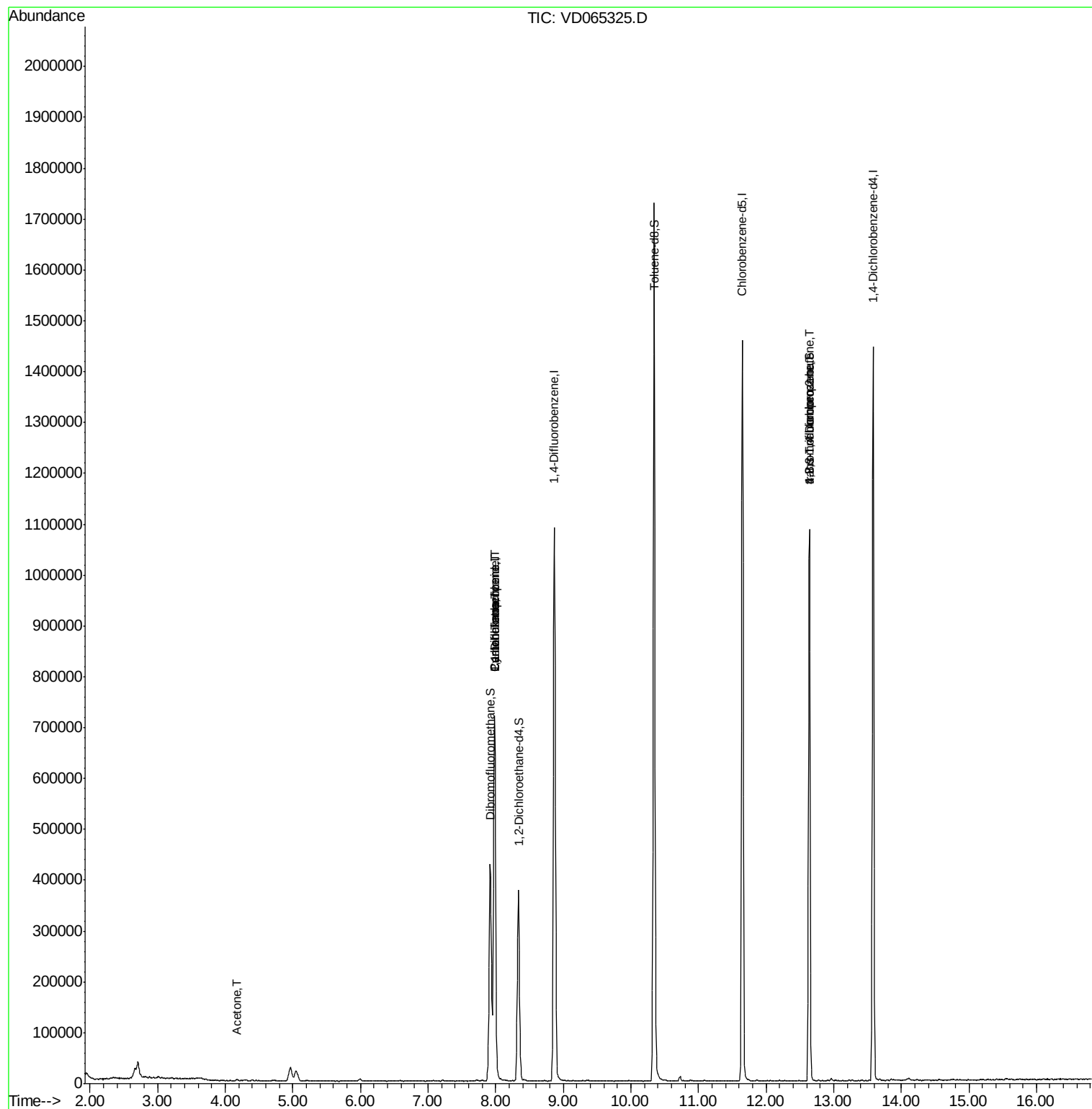
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	560710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	951470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395505	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	296596	58.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.60%	
35) Dibromofluoromethane	7.92	113	310913	53.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.18%	
50) Toluene-d8	10.34	98	1152667	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	349158	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
Target Compounds						
					Qvalue	
13) Acrolein	3.68	56	56	Below Cal	#	1
16) Acetone	4.17	43	4906	3.979	ug/l	97
20) Methylene Chloride	4.96	84	20896	Below Cal		97
31) Cyclohexane	7.98	56	10880	1.097	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	41012	4.430	ug/l #	49
38) Carbon Tetrachloride	7.98	117	51752	5.491	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	171982	51.108	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171982	110.351	ug/l #	11

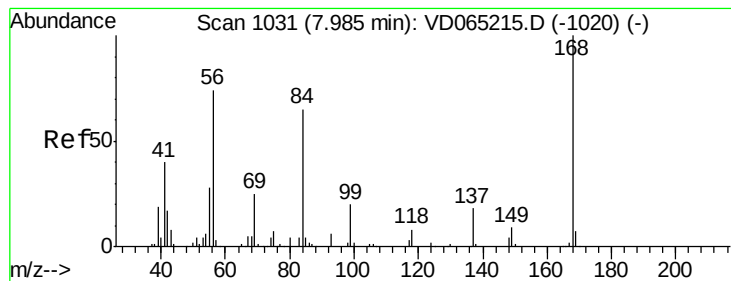
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :

MSVOA_D

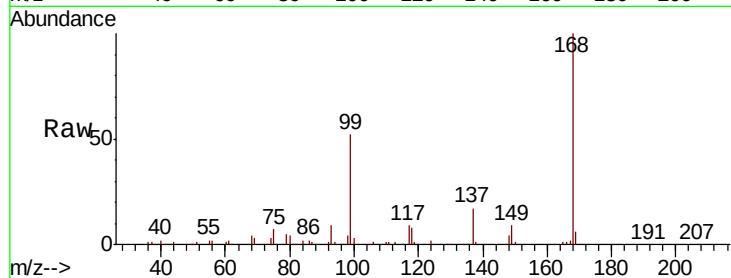
ClientSampled :

Tot Ion:168 Resp: 560710

Ion Ratio Lower Upper

168 100

99 52.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

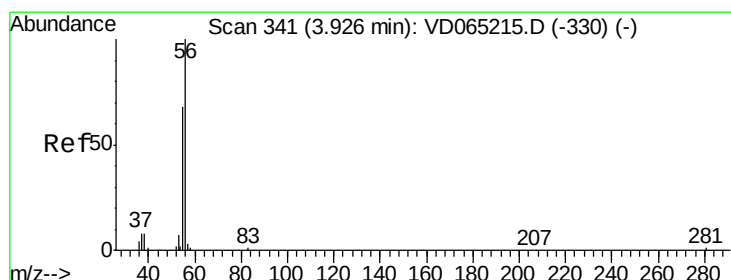
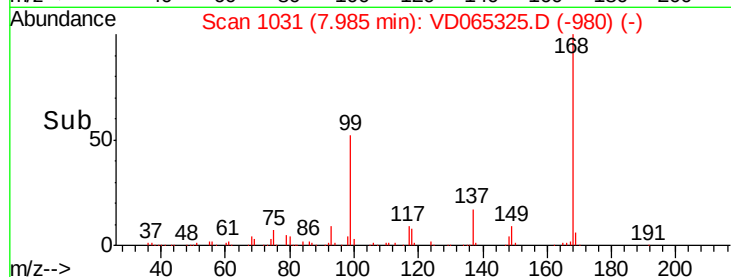
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.68 min Scan# 299

Delta R.T. -0.25 min

Lab File: VD065325.D

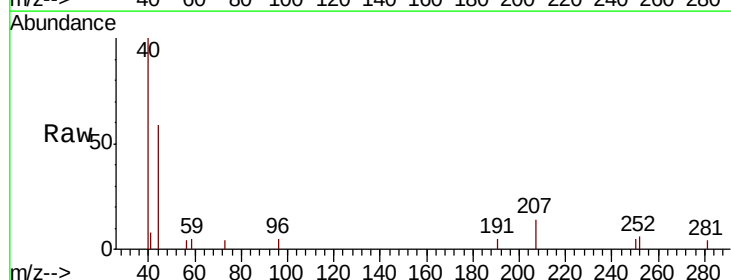
Acq: 26 Feb 2020 13:52

Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 216.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.68

200

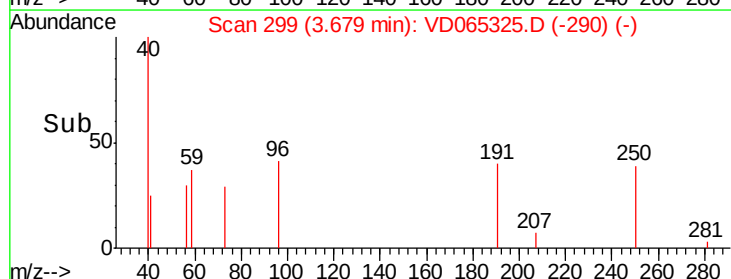
150

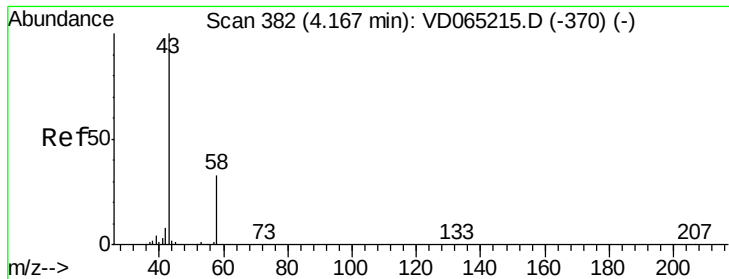
100

50

0

Time-->





#16

Acetone

Concen: 3.979 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :

MSVOA_D

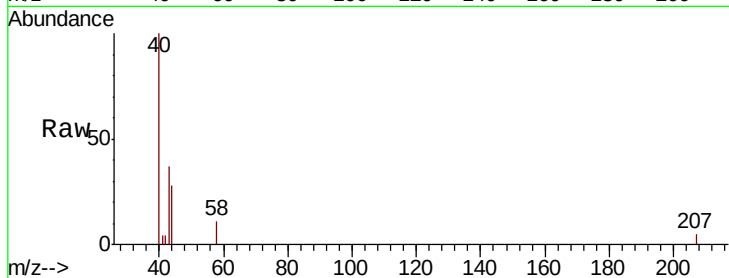
ClientSampleId :

Tot Ion: 43 Resp: 4906

Ion Ratio Lower Upper

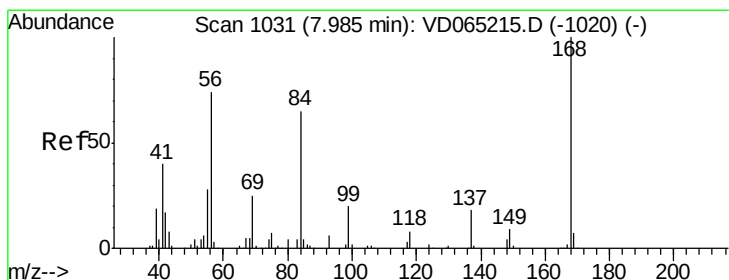
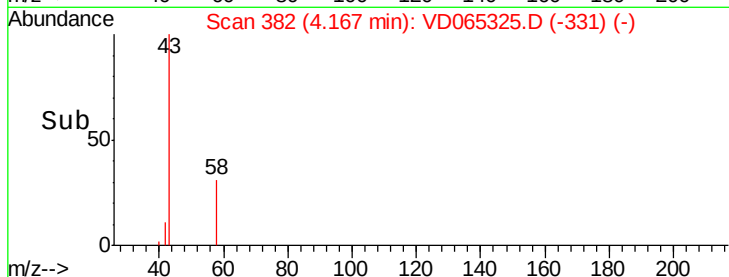
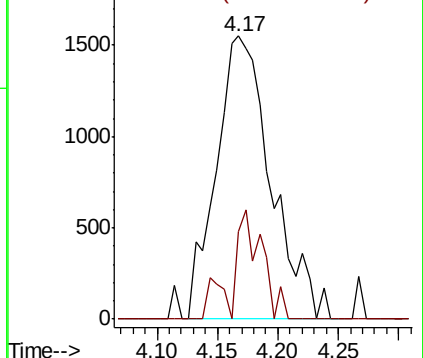
43 100

58 31.0 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

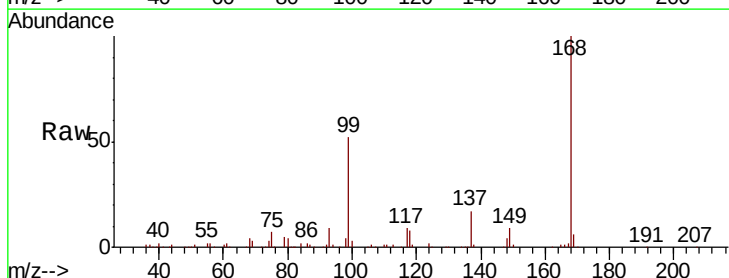
Tgt Ion: 56 Resp: 10880

Ion Ratio Lower Upper

56 100

69 159.3 27.4 41.0#

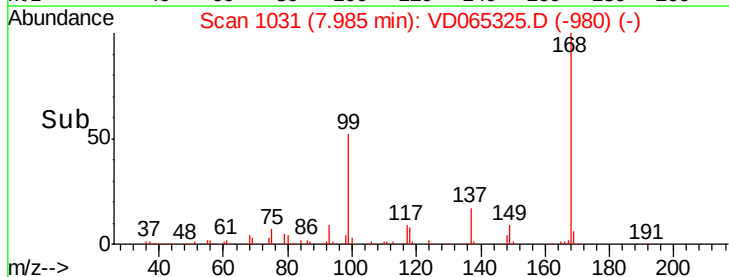
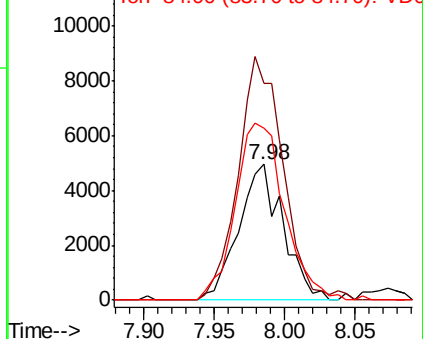
84 126.5 71.1 106.7#

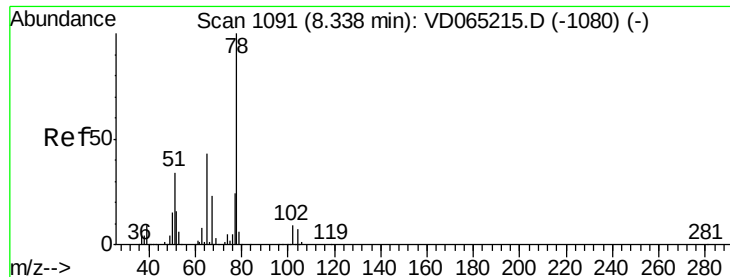


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

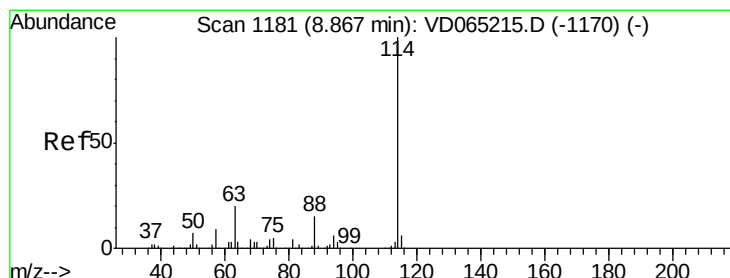
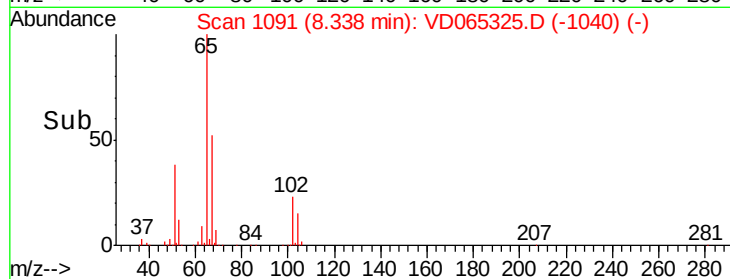
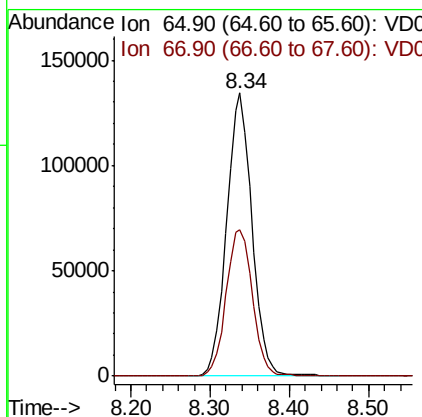
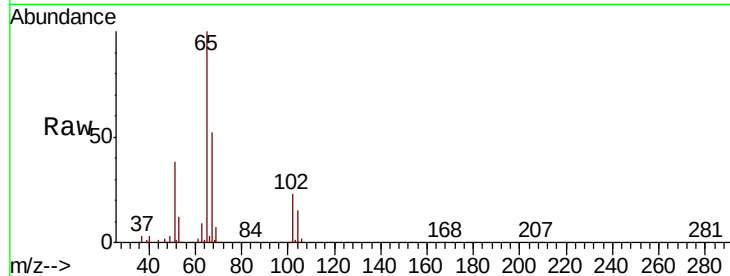




#33
 1,2-Dichloroethane-d4
 Concen: 58.799 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065325.D
 Acq: 26 Feb 2020 13:52

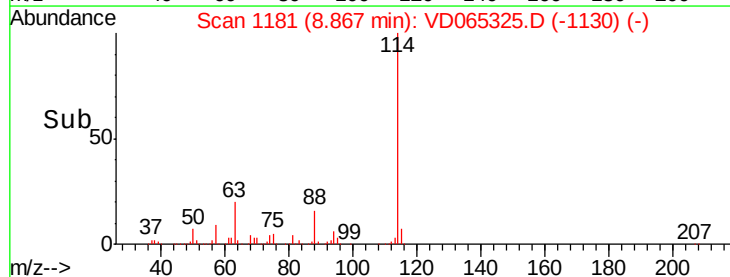
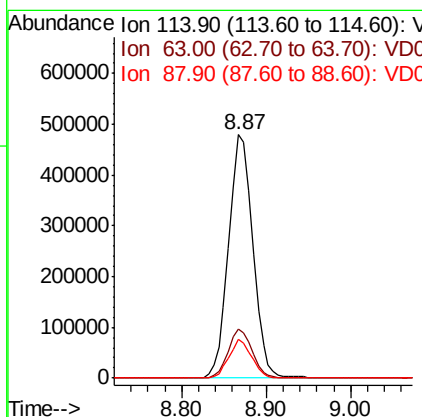
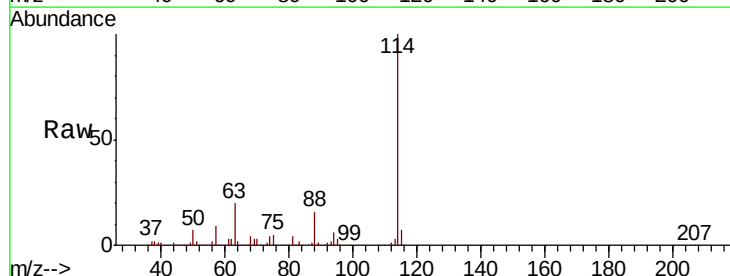
Instrument :
 MSVOA_D
 ClientSampleId :

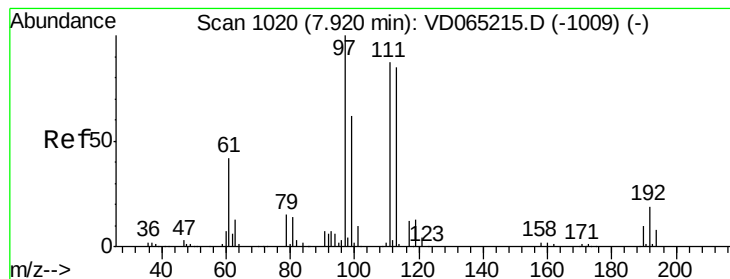
Tot Ion: 65 Resp: 296596
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065325.D
 Acq: 26 Feb 2020 13:52

Tgt Ion: 114 Resp: 951470
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.592 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :
MSVOA_D
ClientSampleId :

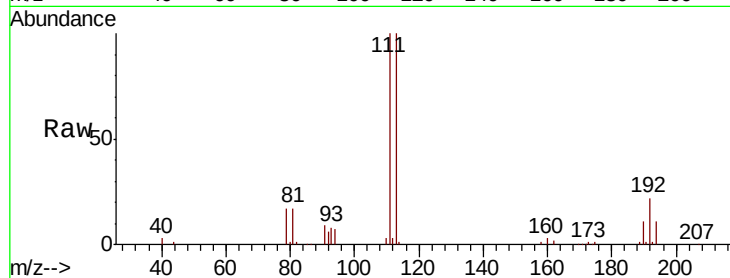
Tot Ion:113 Resp: 310913

Ion Ratio Lower Upper

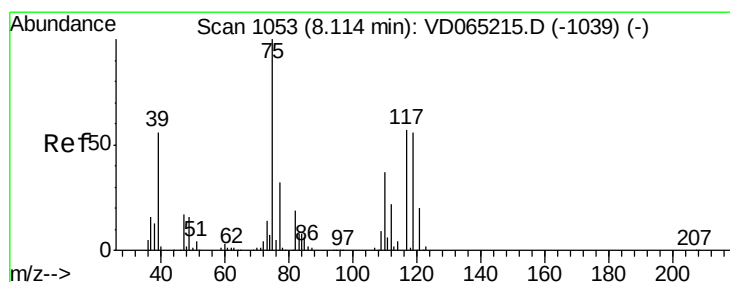
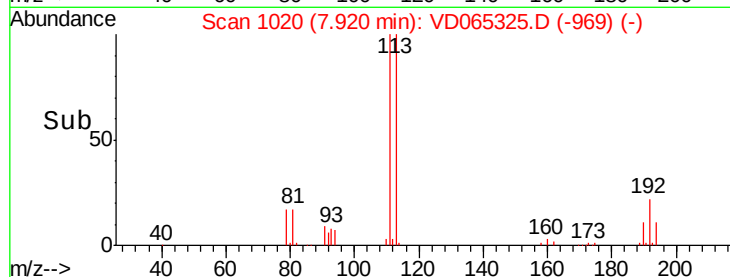
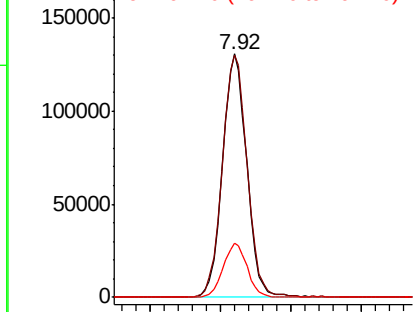
113 100

111 101.6 82.9 124.3

192 22.0 17.3 25.9



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: 4.430 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

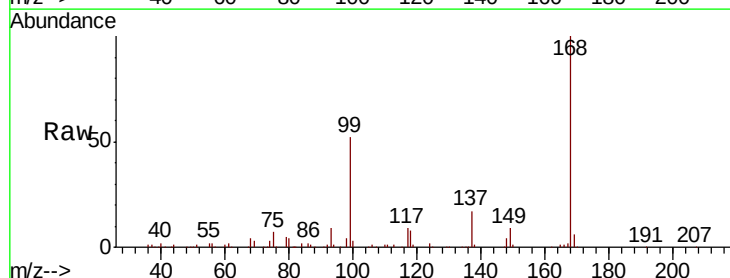
Tgt Ion: 75 Resp: 41012

Ion Ratio Lower Upper

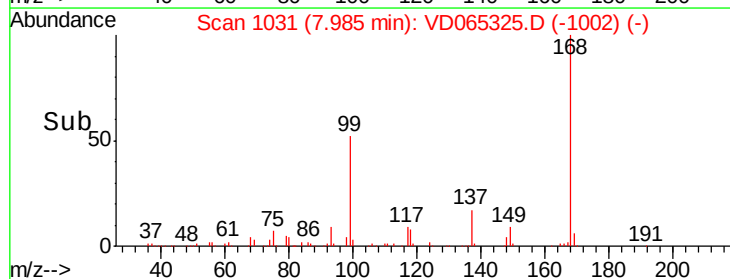
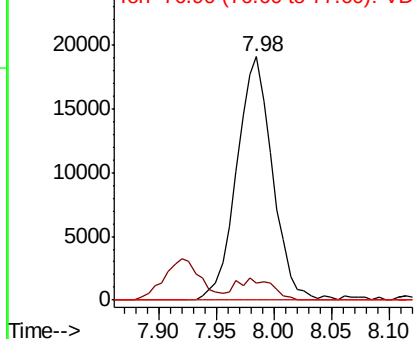
75 100

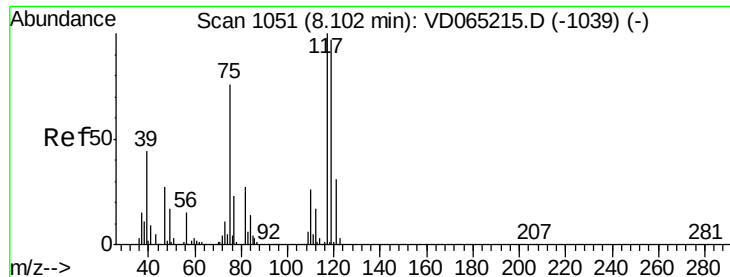
110 9.1 17.9 53.7#

77 0.0 25.1 37.7#



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

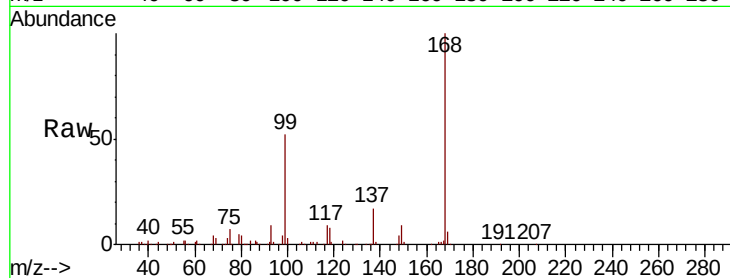




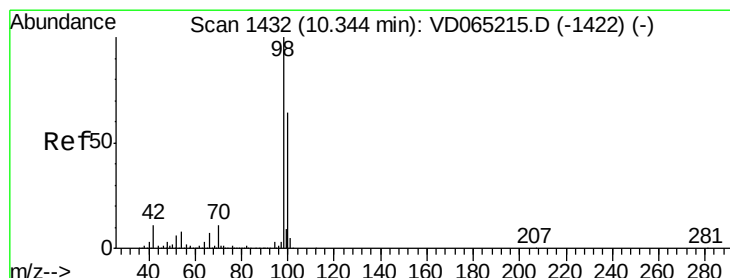
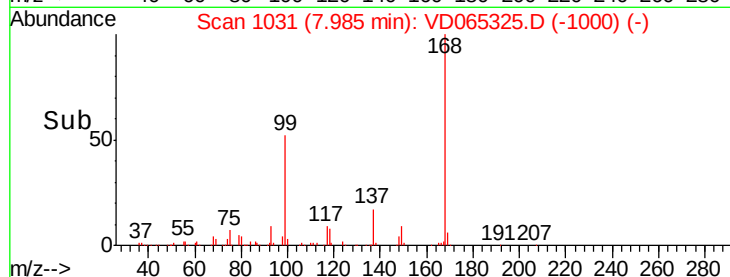
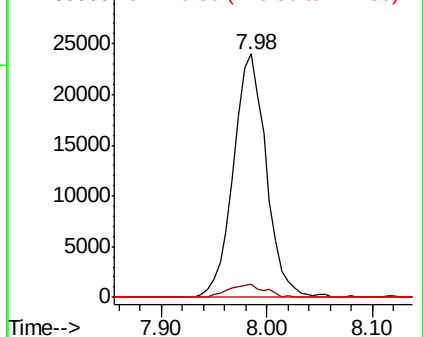
#38
Carbon Tetrachloride
Concen: 5.491 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 51752
Ion Ratio Lower Upper
117 100
119 5.4 77.6 116.4#
121 0.0 24.8 37.2#

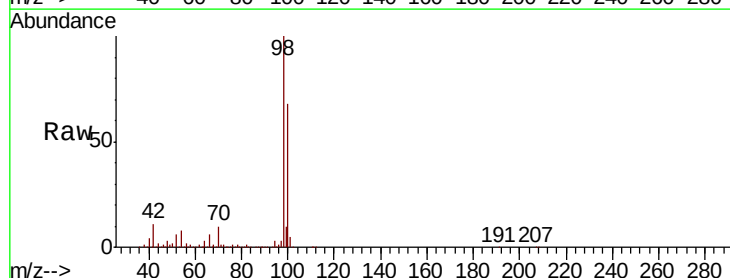


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

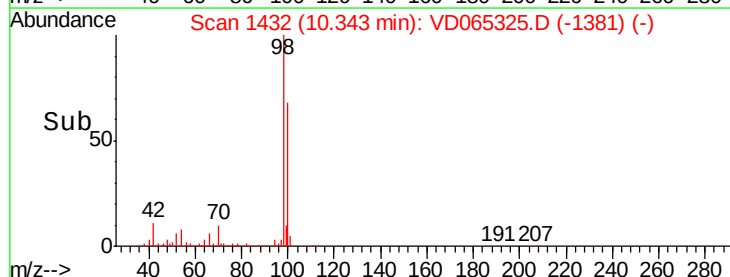
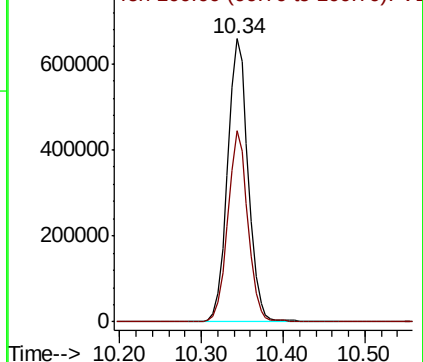


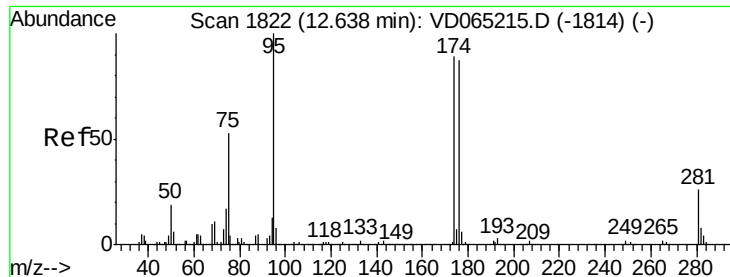
#50
Toluene-d8
Concen: 51.972 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

Tgt Ion: 98 Resp: 1152667
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



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

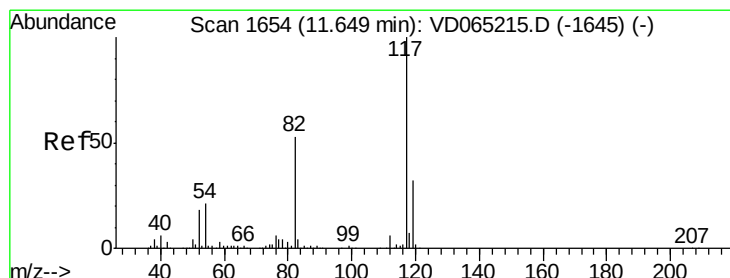
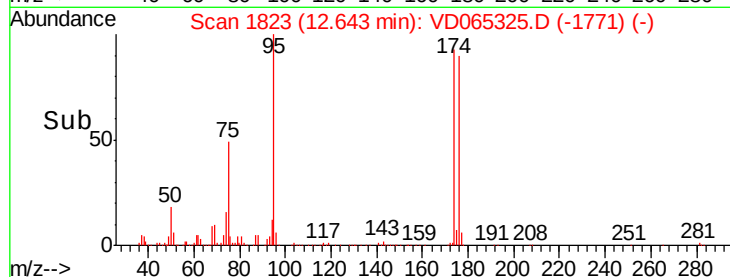
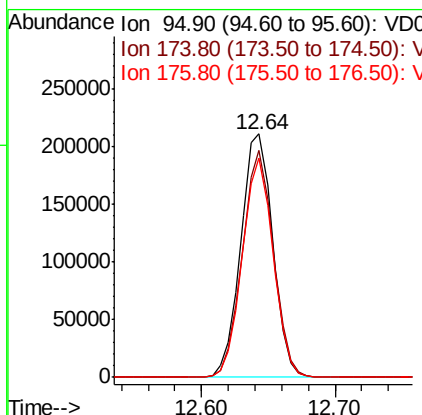
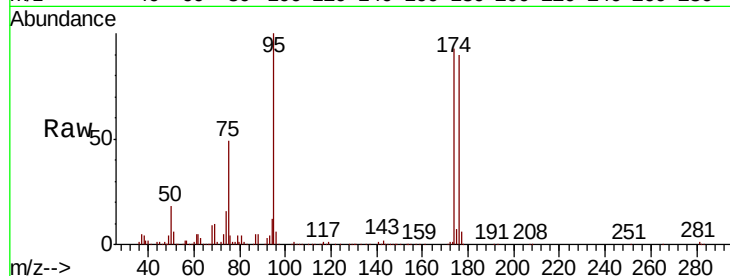




#62
4-Bromofluorobenzene
Concen: 49.695 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

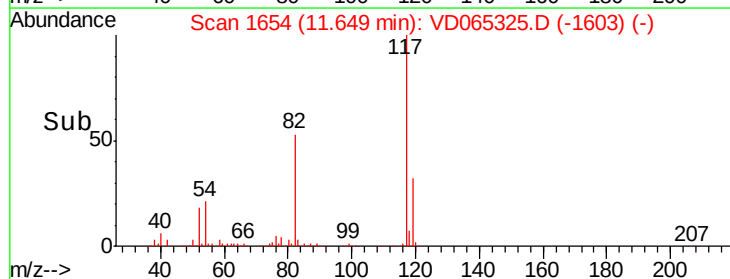
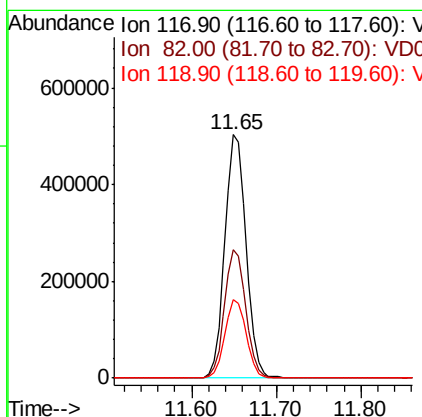
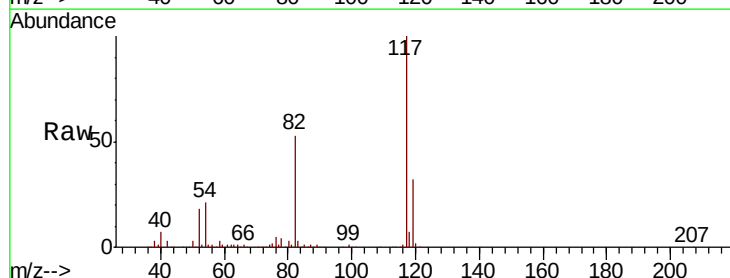
Instrument :
MSVOA_D
ClientSampleId :

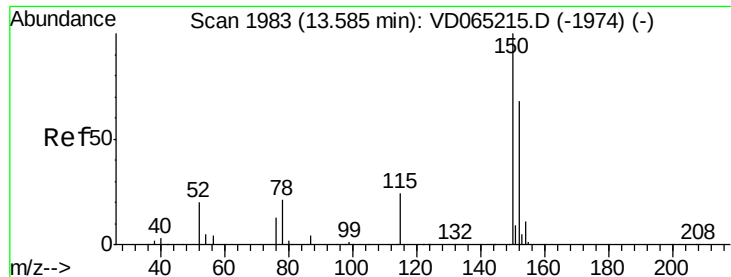
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	178.0
176	87.1	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.7	64.1
119	32.2	25.5	38.3



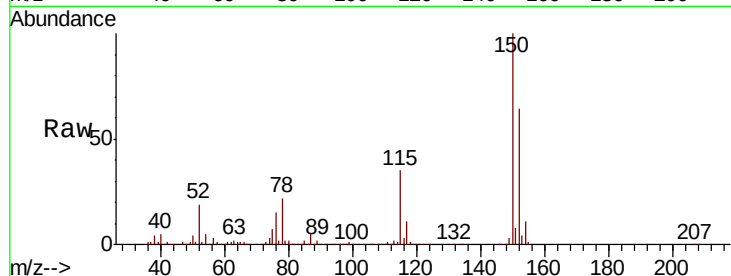


#72

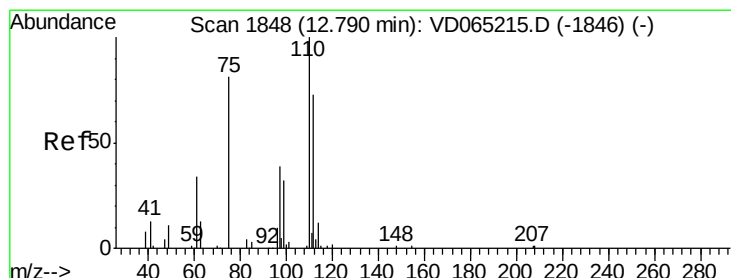
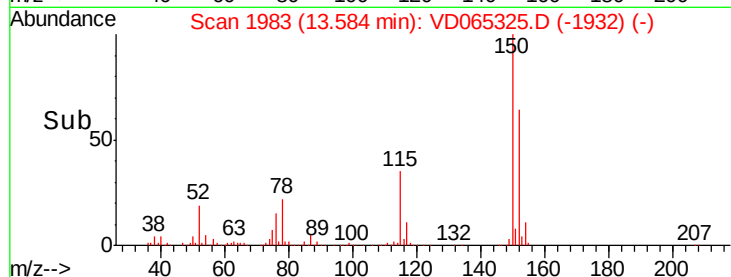
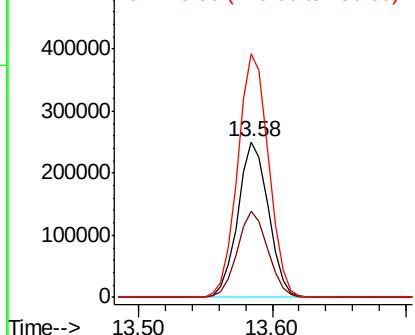
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 395505
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 158.9 0.0 347.4



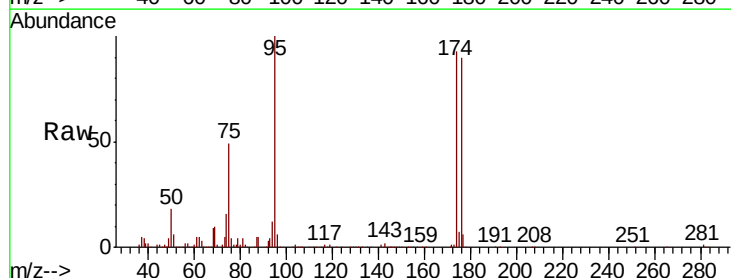
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



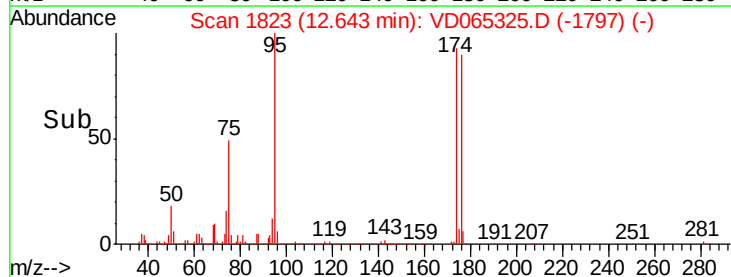
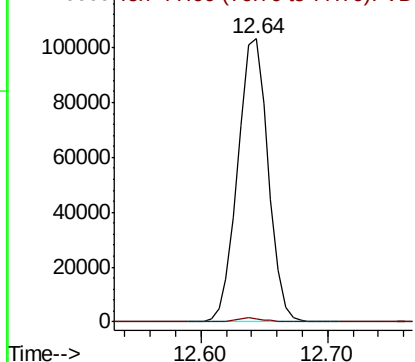
#76

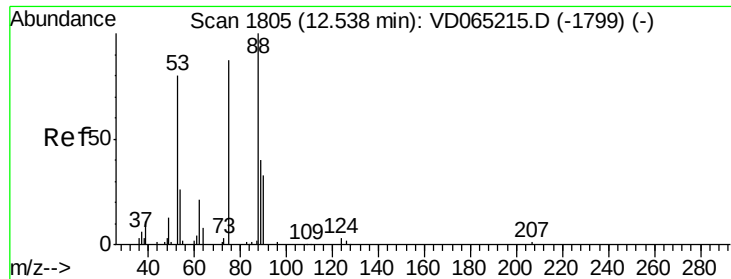
1,2,3-Trichloropropane
Concen: 51.108 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD065325.D
Acq: 26 Feb 2020 13:52

Tgt Ion: 75 Resp: 171982
Ion Ratio Lower Upper
75 100
77 1.2 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: 110.351 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065325.D

Acq: 26 Feb 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

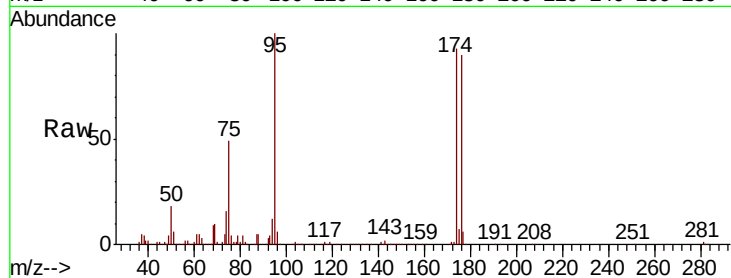
Tot Ion: 75 Resp: 171982

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 37.2 55.8#



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

