

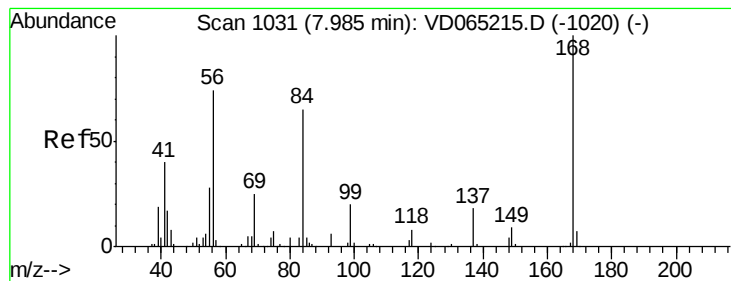
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065326.D
 Acq On : 26 Feb 2020 14:21
 Operator : VA/SY
 Sample : L1688-02
 Misc : 7.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:02:17 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	7.99	168	548707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	931456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	821806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	336260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	285792	57.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.80%	
35) Dibromofluoromethane	7.92	113	297093	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.34	98	1137241	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	317871	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	2008	1.664	ug/l #	88
20) Methylene Chloride	4.97	84	12225	Below Cal	#	88
31) Cyclohexane	7.99	56	10196	1.051	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	39608	4.370	ug/l #	49
38) Carbon Tetrachloride	7.99	117	50648	5.490	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	4720	1.349	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	157669	55.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	157669	118.992	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

Instrument :

MSVOA_D

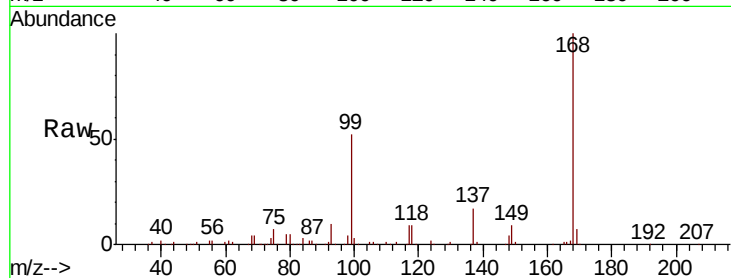
ClientSampleId :

Tot Ion:168 Resp: 548707

Ion Ratio Lower Upper

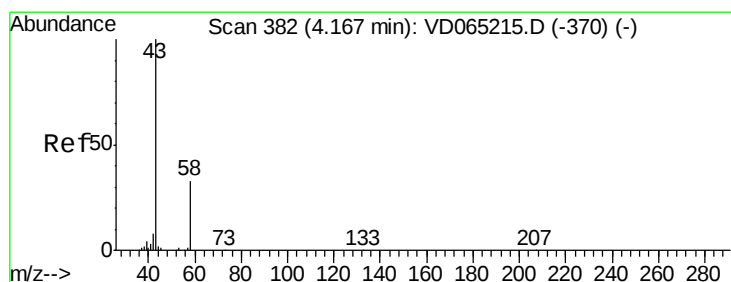
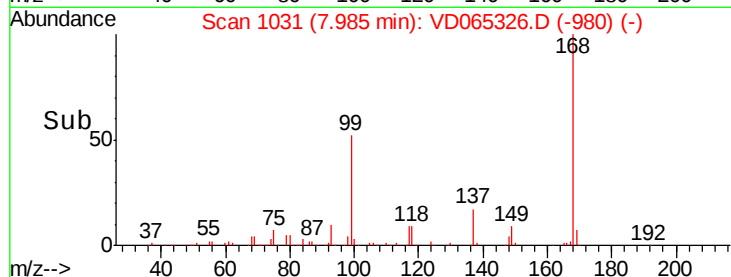
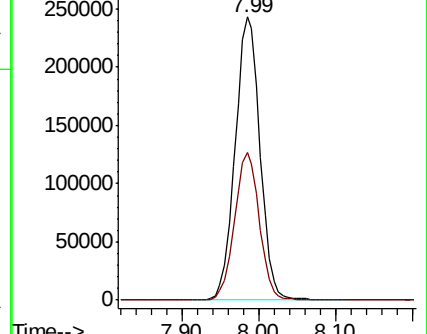
168 100

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



#16

Acetone

Concen: 1.664 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065326.D

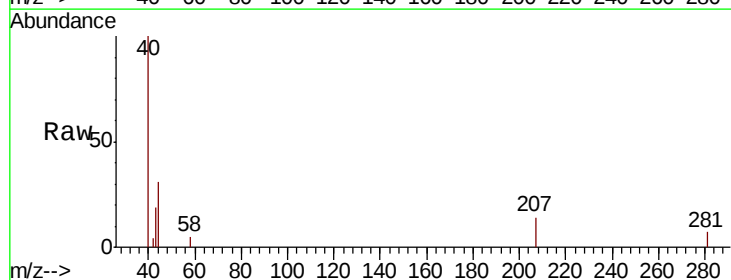
Acq: 26 Feb 2020 14:21

Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

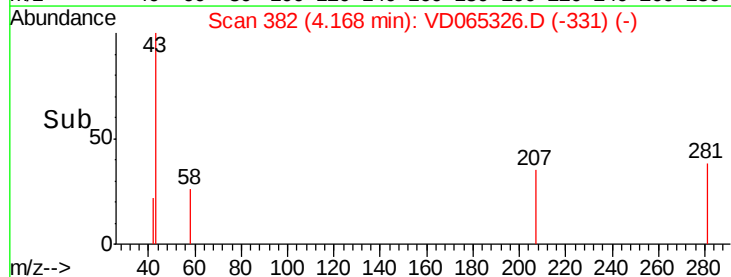
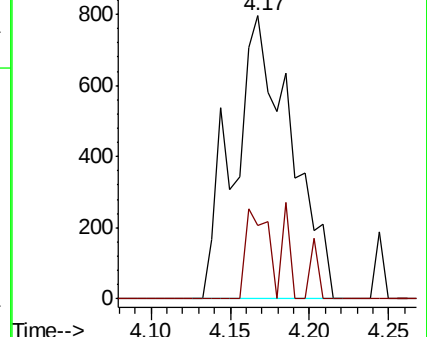
43 100

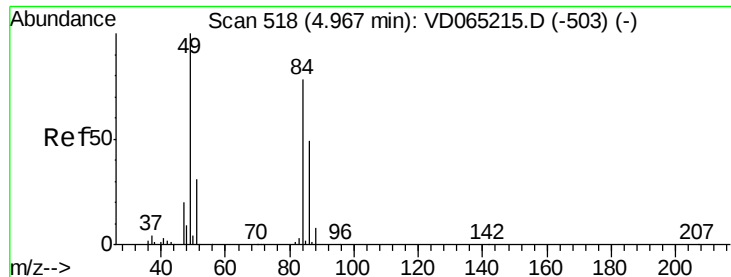
58 26.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

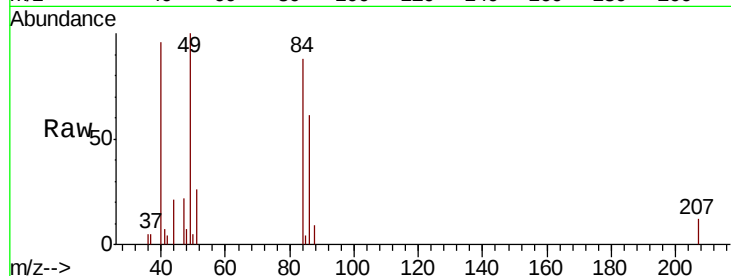




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065326.D
Acq: 26 Feb 2020 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	84	Resp	12225
Ion	Ratio	Lower	Upper
84	100		
49	113.7	103.1	154.7
51	29.7	31.7	47.5#
86	69.1	50.9	76.3



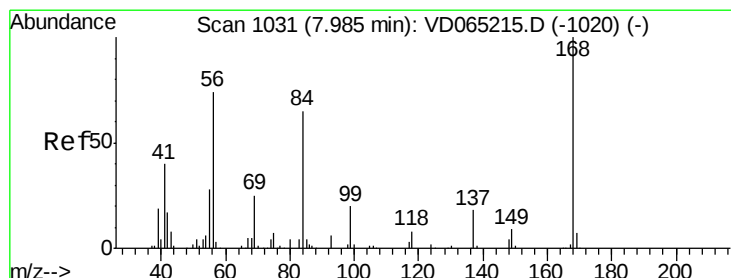
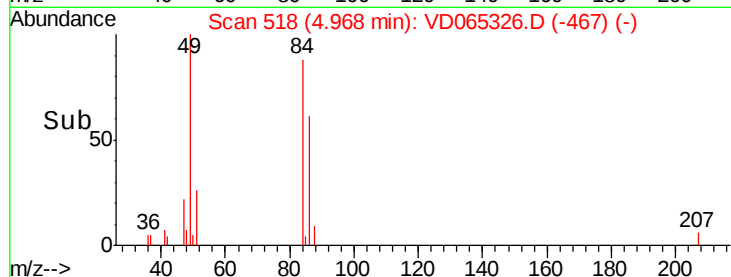
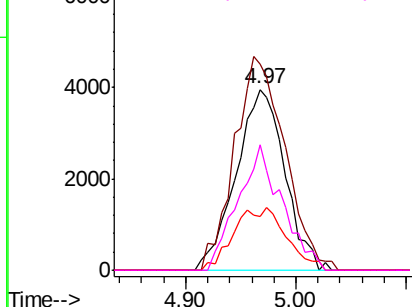
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

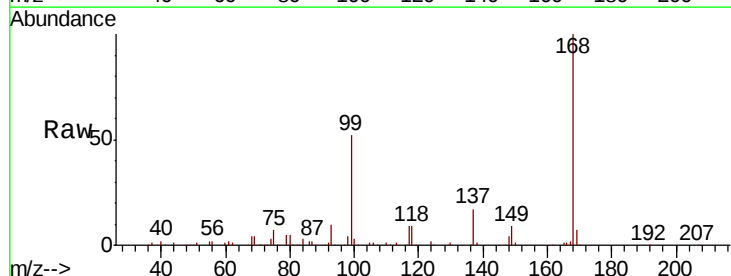
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.051 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065326.D
Acq: 26 Feb 2020 14:21

Tgt Ion	56	Resp	10196
Ion	Ratio	Lower	Upper
56	100		
69	188.9	27.4	41.0#
84	149.0	71.1	106.7#

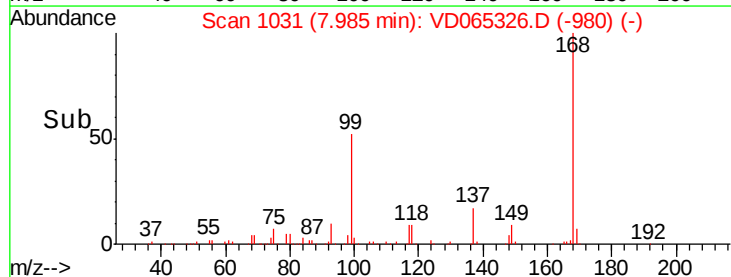
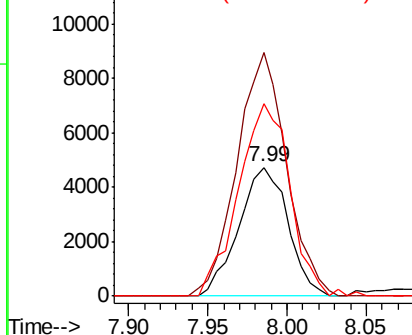


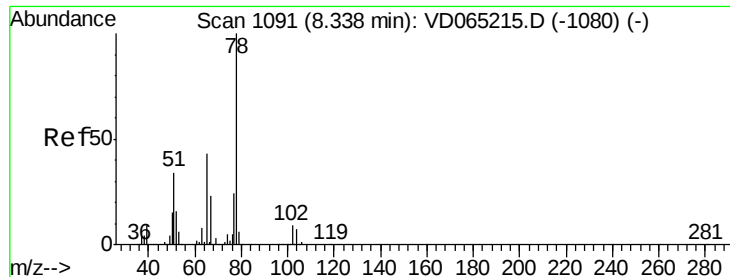
Abundance

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: 57.897 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

Instrument :

MSVOA_D

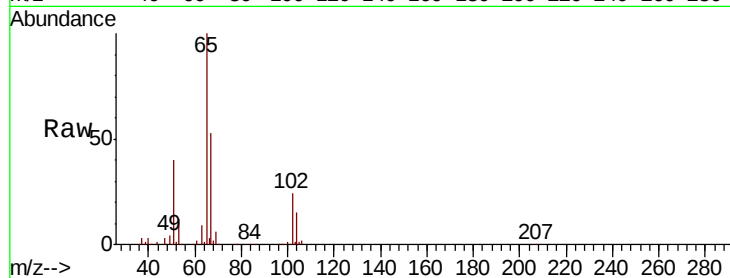
ClientSampled :

Tot Ion: 65 Resp: 285792

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

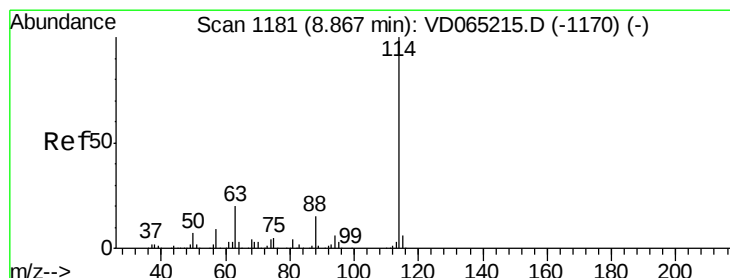
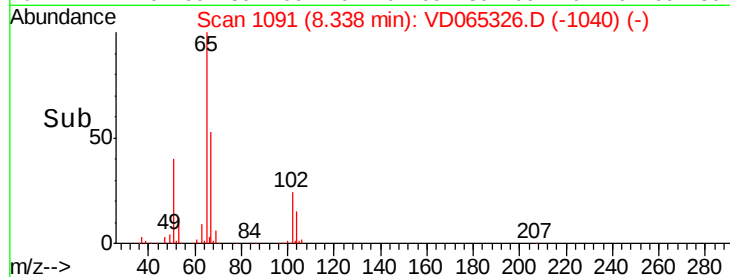
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

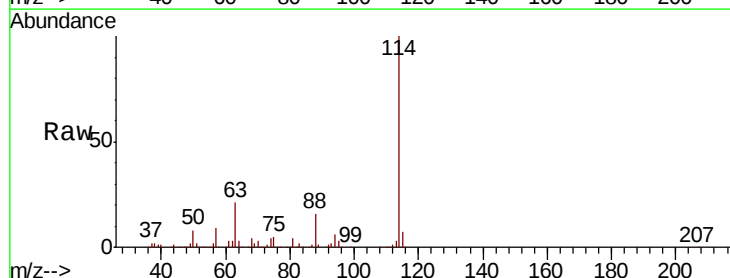
Tgt Ion: 114 Resp: 931456

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.4

88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

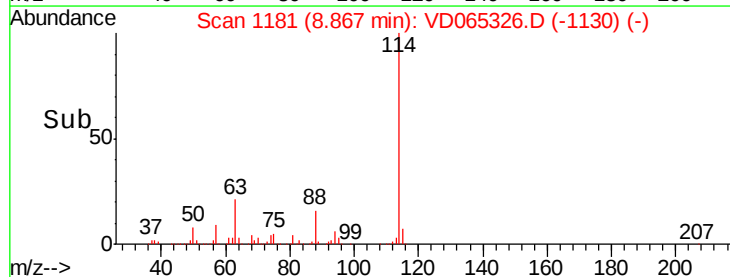
300000

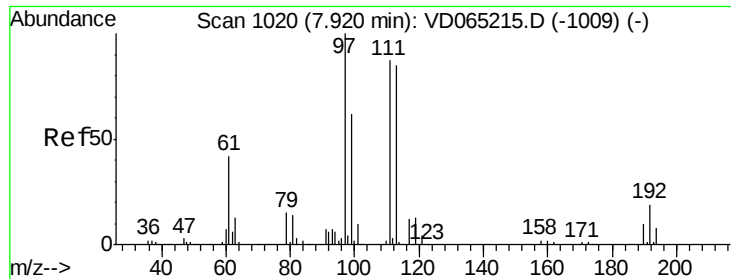
200000

100000

0

Time--> 8.80 8.90 9.00

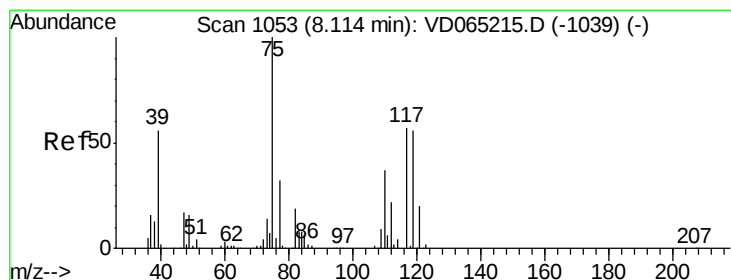
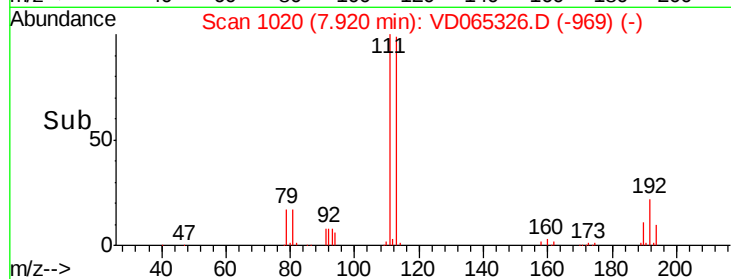
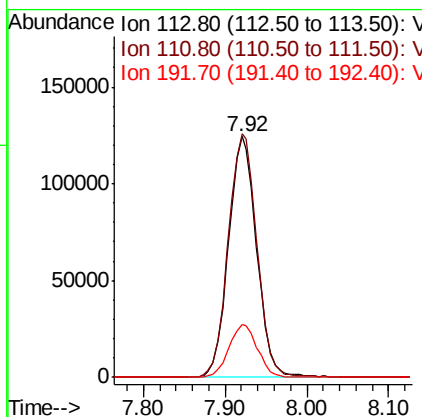
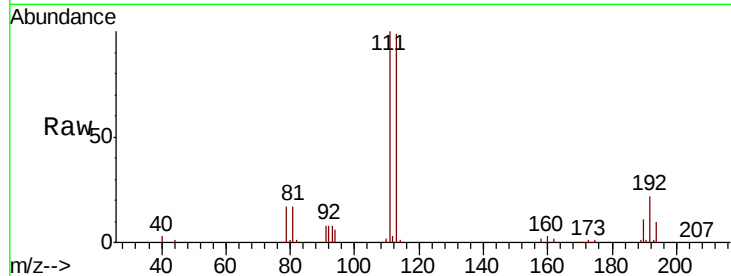




#35
 Dibromofluoromethane
 Concen: 52.310 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065326.D
 Acq: 26 Feb 2020 14:21

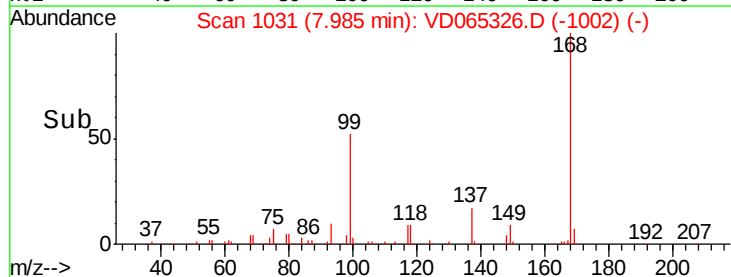
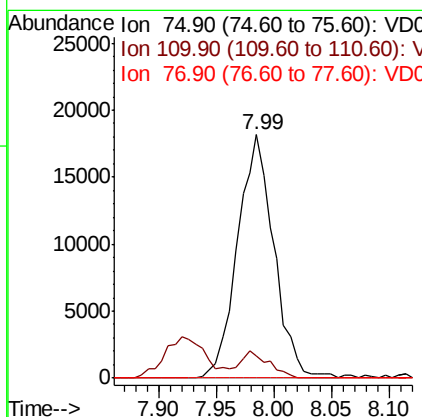
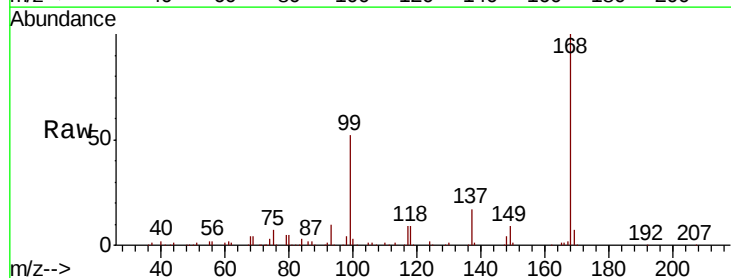
Instrument :
 MSVOA_D
 ClientSampleId :

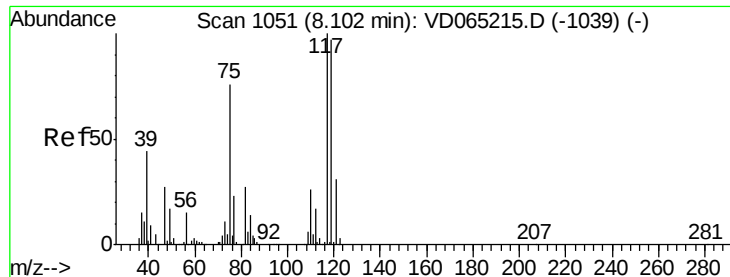
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	22.1	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065326.D
 Acq: 26 Feb 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.9	53.7#
77	0.0	25.1	37.7#

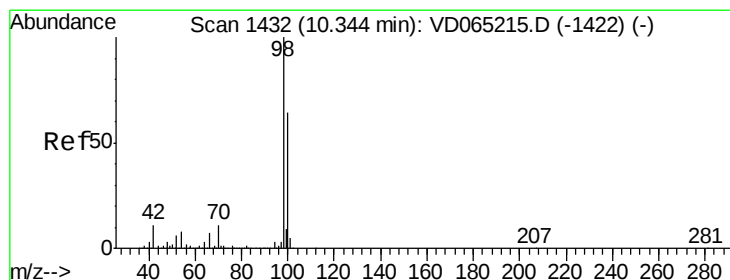
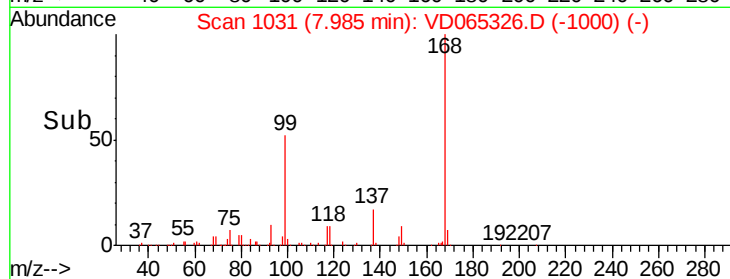
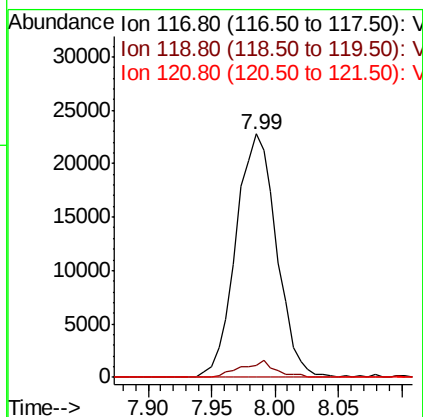
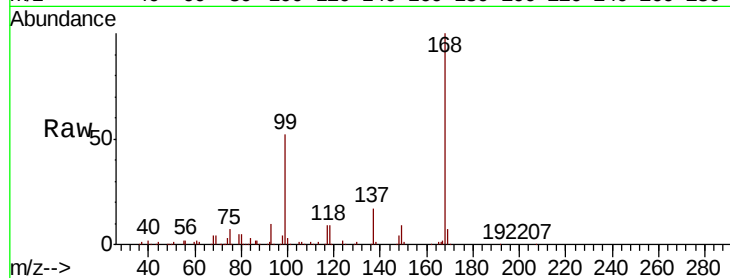




#38
Carbon Tetrachloride
Concen: 5.490 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065326.D
Acq: 26 Feb 2020 14:21

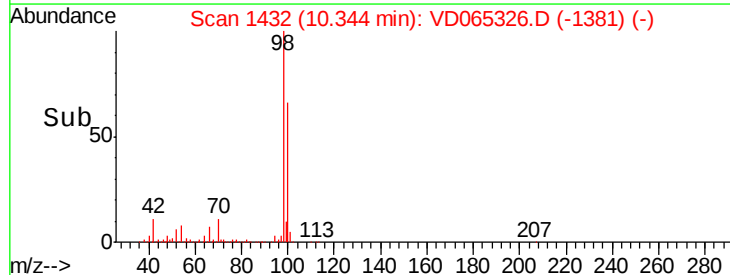
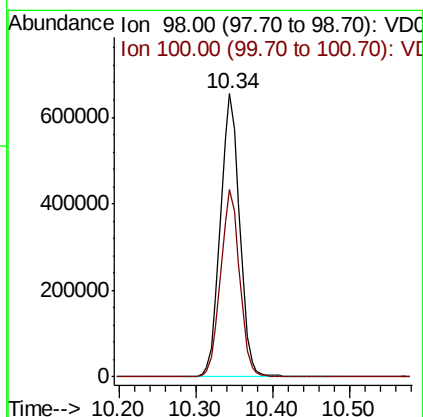
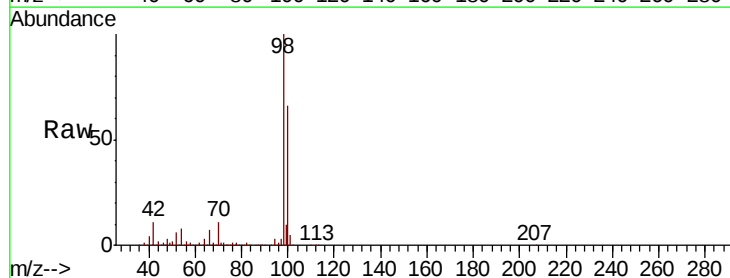
Instrument :
MSVOA_D
ClientSampleId :

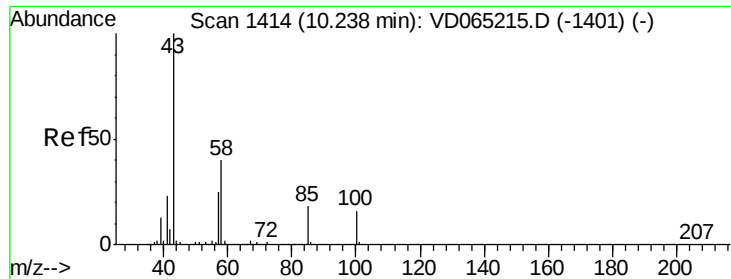
Tot Ion:117 Resp: 50648
Ion Ratio Lower Upper
117 100
119 5.1 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.378 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065326.D
Acq: 26 Feb 2020 14:21

Tgt Ion: 98 Resp: 1137241
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.349 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

Instrument :

MSVOA_D

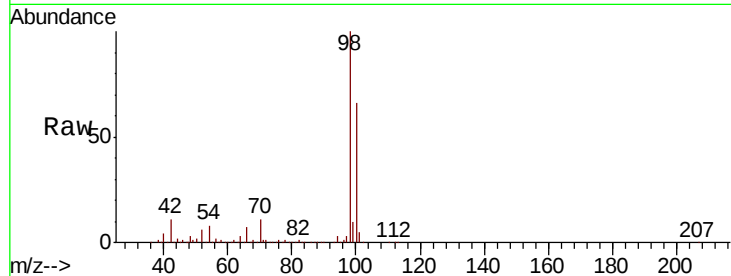
ClientSampleId :

Tot Ion: 43 Resp: 4720

Ion Ratio Lower Upper

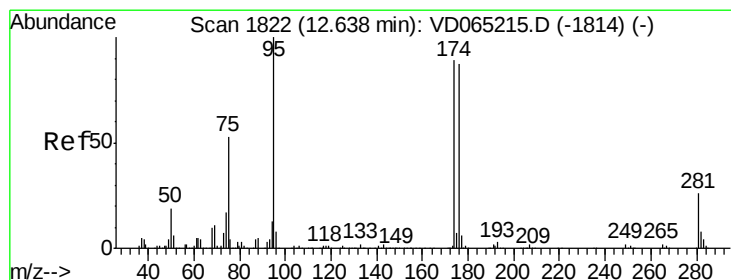
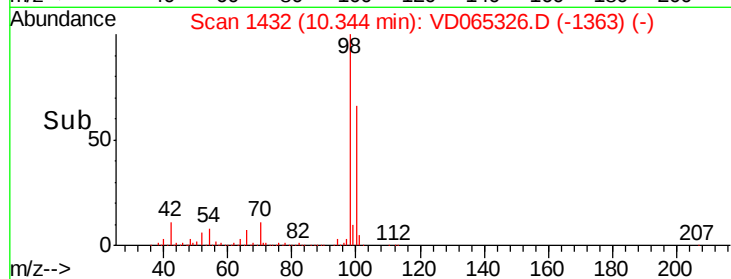
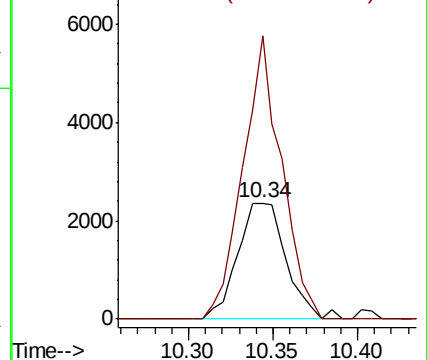
43 100

58 194.8 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.214 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

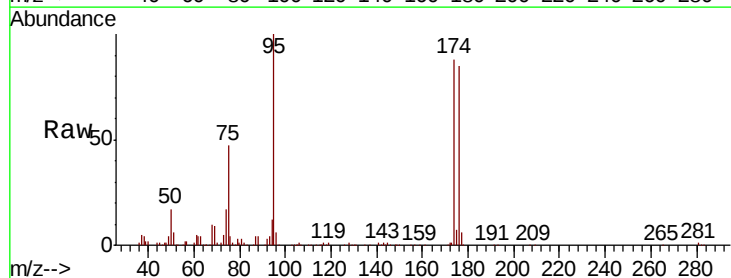
Tgt Ion: 95 Resp: 317871

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.0

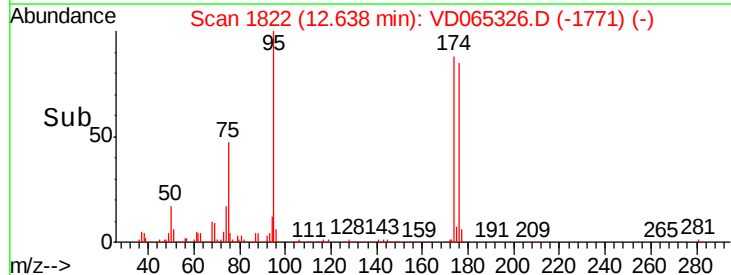
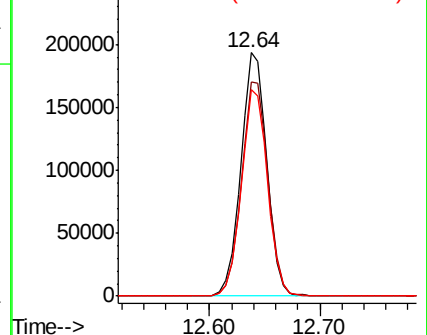
176 85.8 0.0 174.4

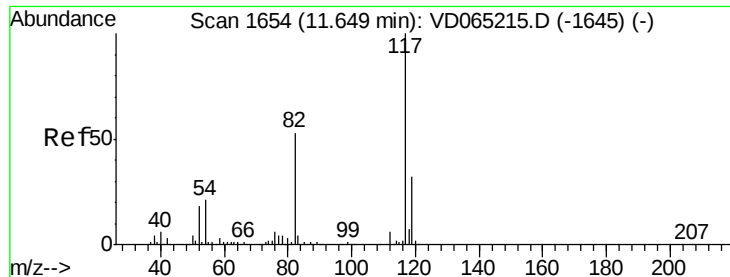


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

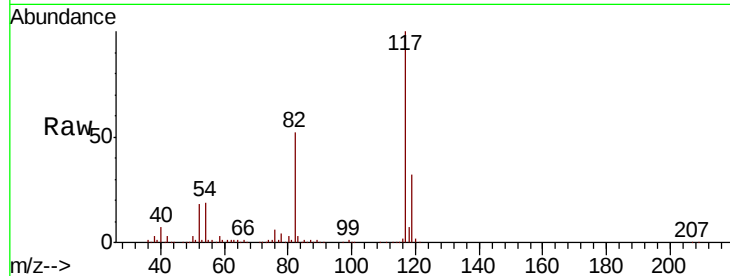




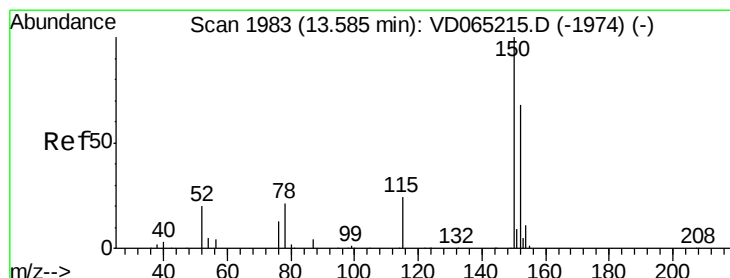
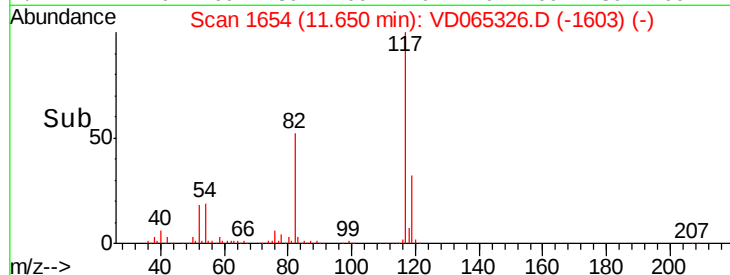
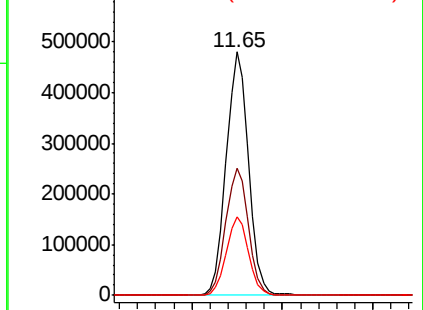
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065326.D
Acq: 26 Feb 2020 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 821806
Ion Ratio Lower Upper
117 100
82 52.2 42.7 64.1
119 32.2 25.5 38.3

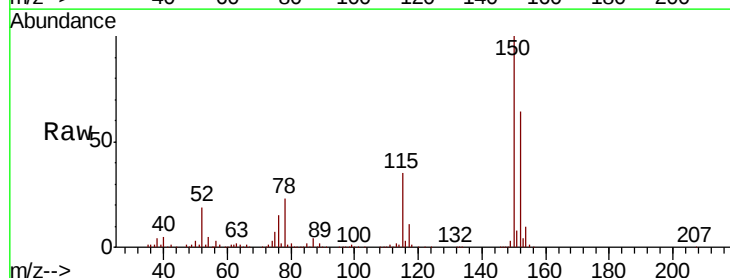


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

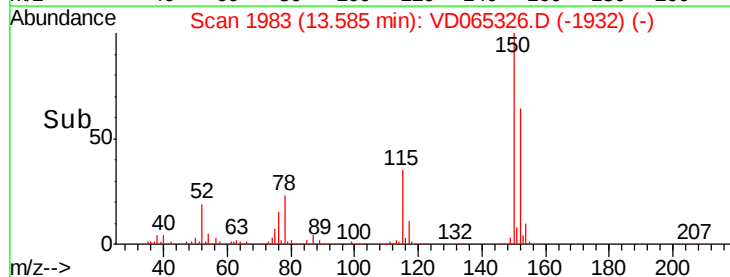
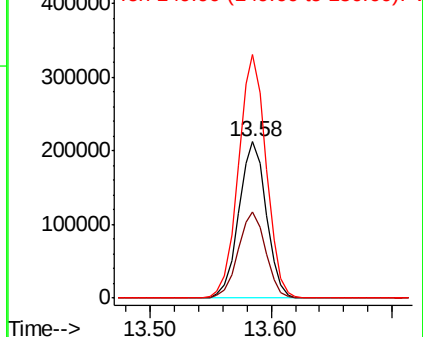


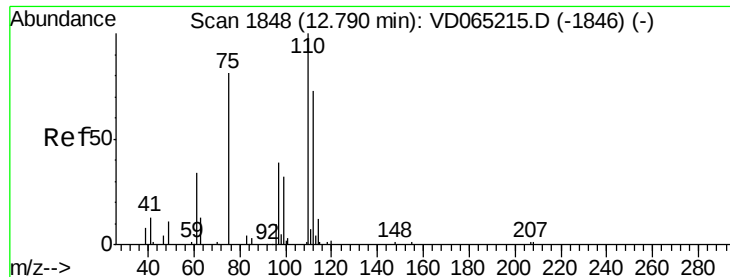
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065326.D
Acq: 26 Feb 2020 14:21

Tgt Ion:152 Resp: 336260
Ion Ratio Lower Upper
152 100
115 55.2 27.6 82.8
150 157.3 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: 55.110 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

Instrument :

MSVOA_D

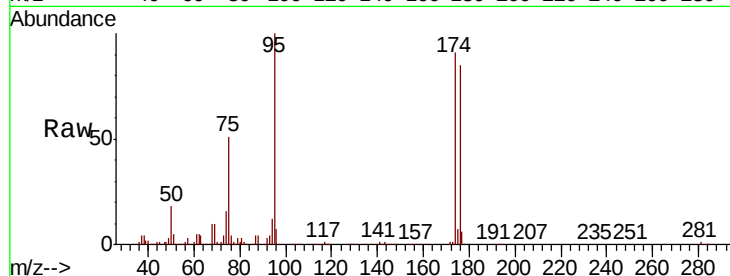
ClientSampled :

Tot Ion: 75 Resp: 157669

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

100000

80000

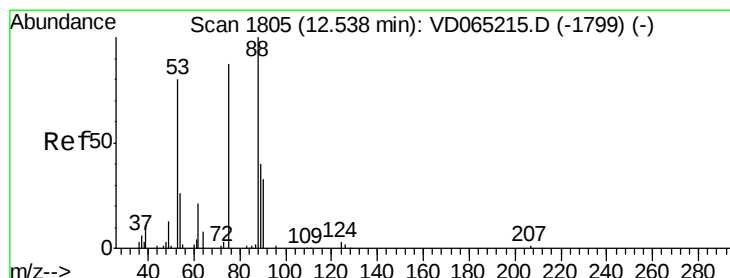
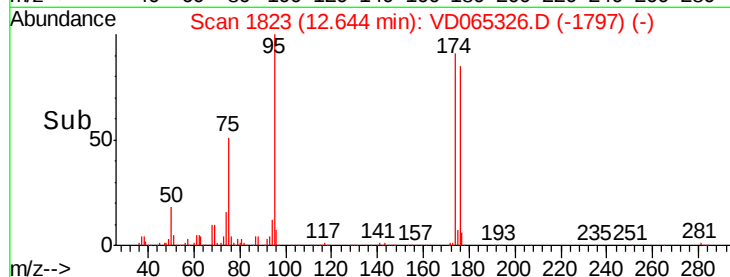
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 118.992 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065326.D

Acq: 26 Feb 2020 14:21

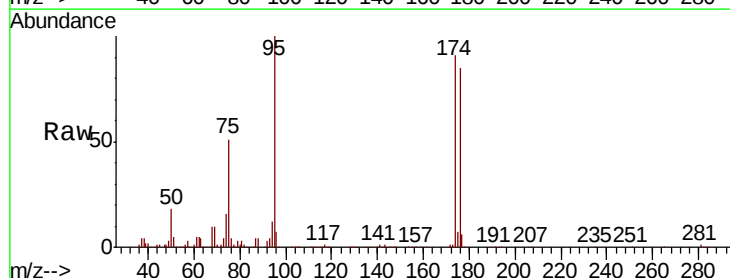
Tgt Ion: 75 Resp: 157669

Ion Ratio Lower Upper

75 100

53 0.1 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

12.64

120000

100000

80000

60000

40000

20000

0

Time-->

