

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064593.D
 Acq On : 26 Dec 2019 12:17
 Operator : VA/SY
 Sample : K6401-05
 Misc : 3.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C0B39

Quant Time: Dec 30 06:53:34 2019
 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

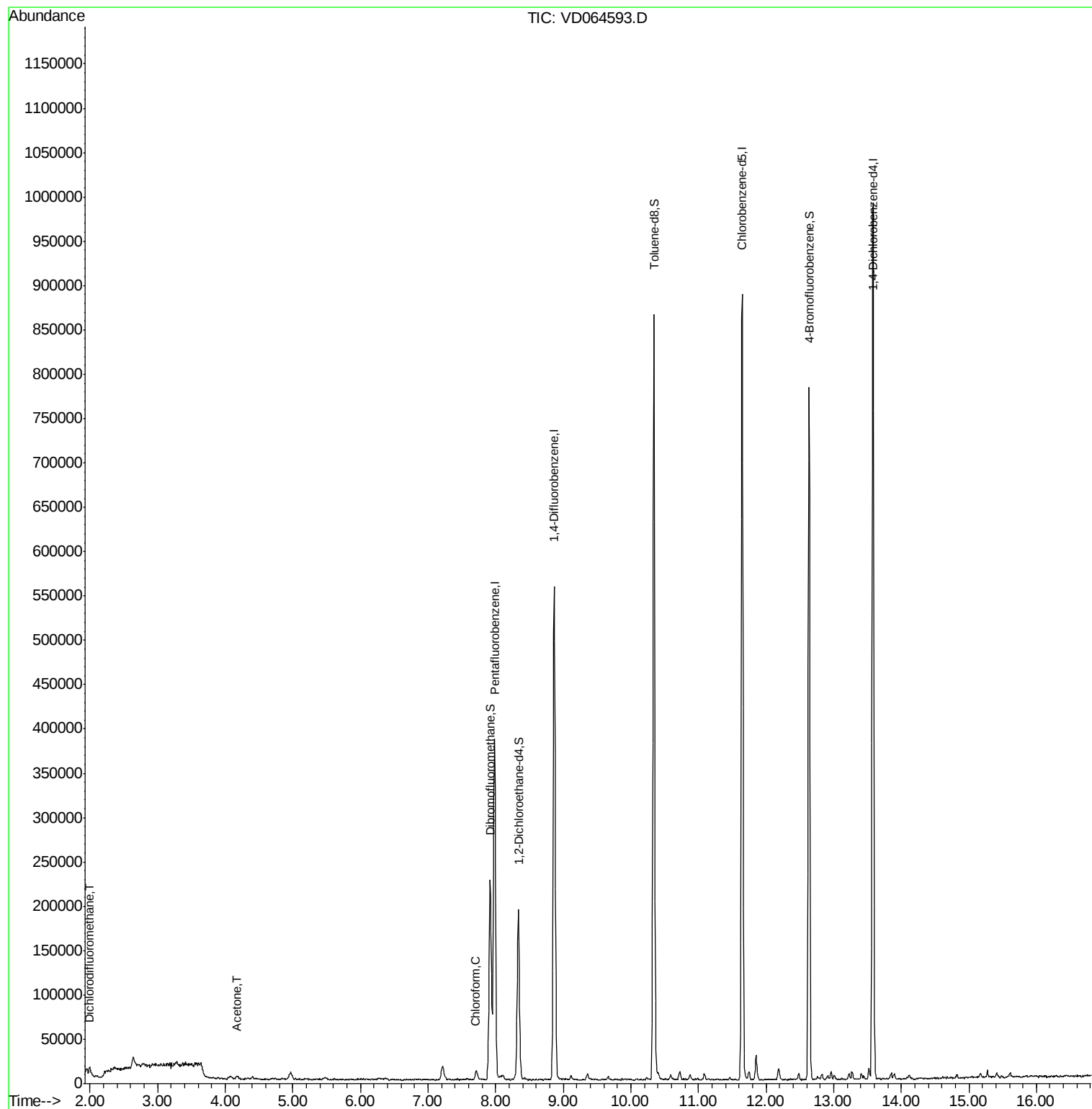
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	297579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	481831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	509003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268727	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	152261	58.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.06%	
35) Dibromofluoromethane	7.92	113	154330	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
50) Toluene-d8	10.34	98	581442	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.64	95	235788	65.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.72%	
Target Compounds						
2) Dichlorodifluoromethane	2.00	85	6263	2.708	ug/l	97
16) Acetone	4.17	43	5680	13.249	ug/l #	88
30) Chloroform	7.71	83	9439	1.841	ug/l	96

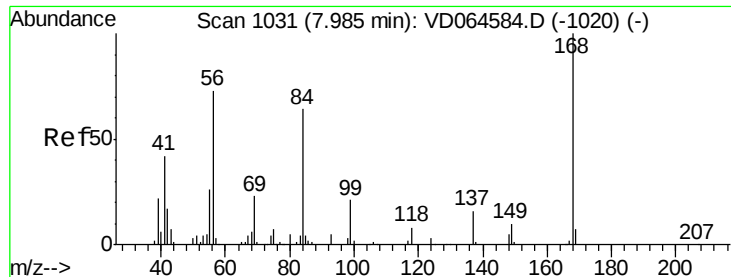
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

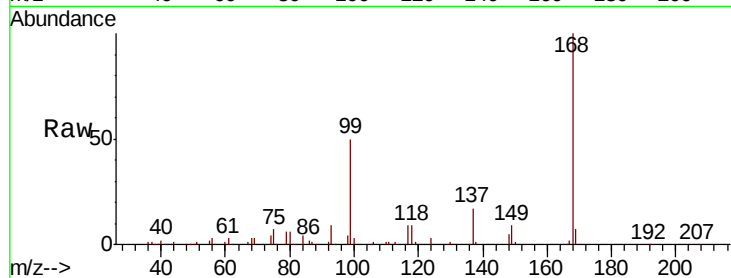
C0B39

Tot Ion:168 Resp: 297579

Ion Ratio Lower Upper

168 100

99 50.1 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

150000

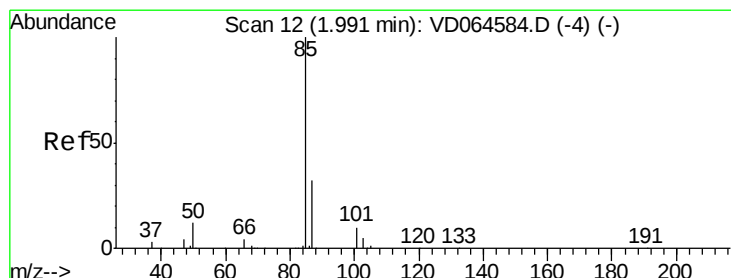
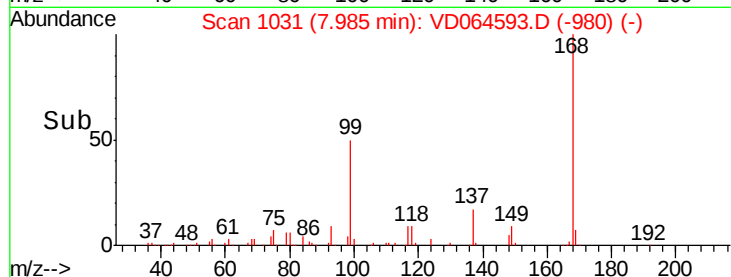
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 2.708 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD064593.D

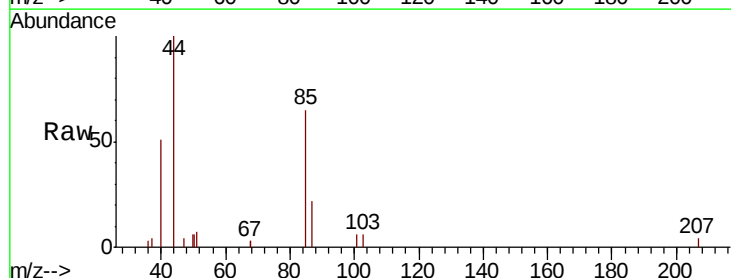
Acq: 26 Dec 2019 12:17

Tgt Ion: 85 Resp: 6263

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

5000

4000

3000

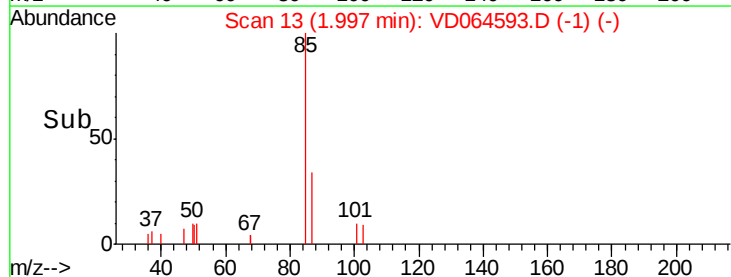
2000

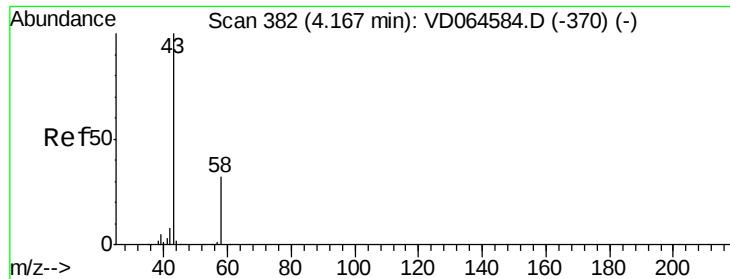
1000

0

1.95 2.00 2.05

Time-->





#16

Acetone

Concen: 13.249 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampled :

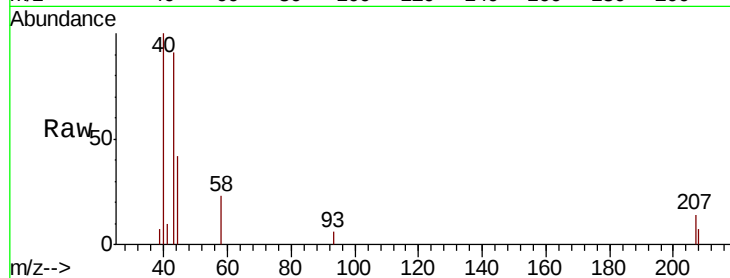
C0B39

Tot Ion: 43 Resp: 5680

Ion Ratio Lower Upper

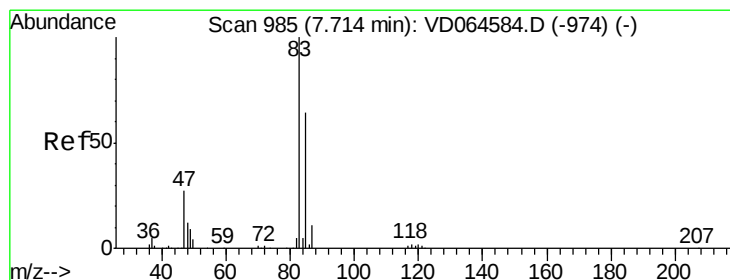
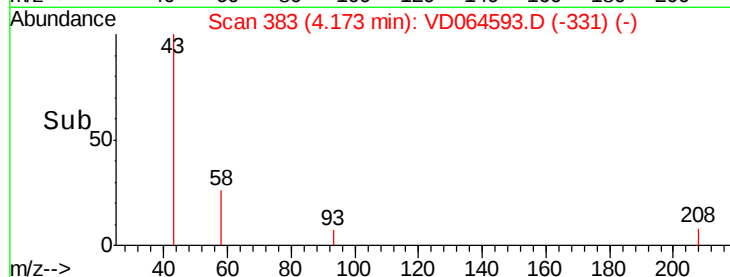
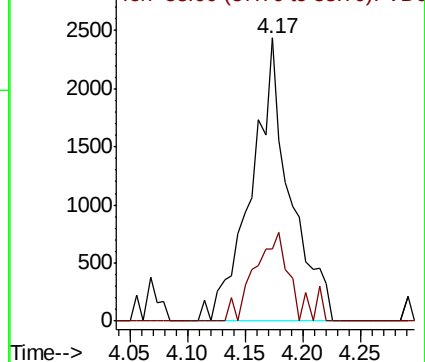
43 100

58 25.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#30

Chloroform

Concen: 1.841 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064593.D

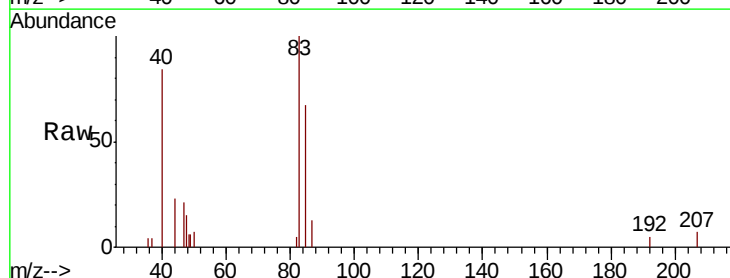
Acq: 26 Dec 2019 12:17

Tgt Ion: 83 Resp: 9439

Ion Ratio Lower Upper

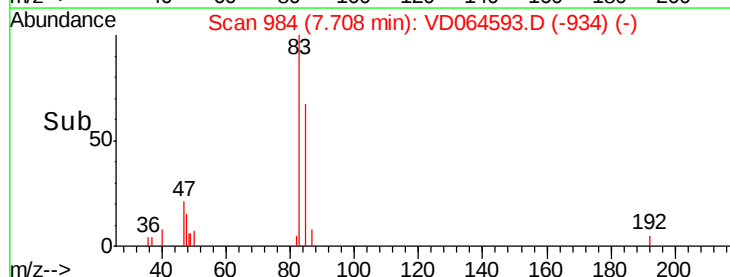
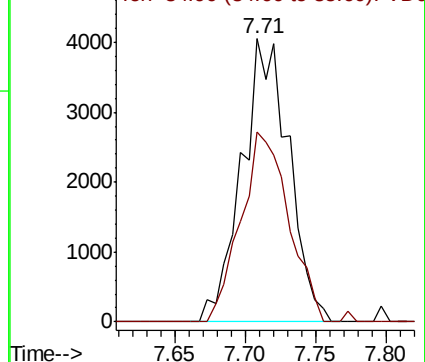
83 100

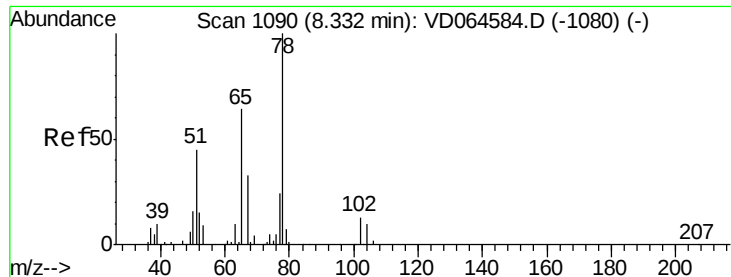
85 67.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.026 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

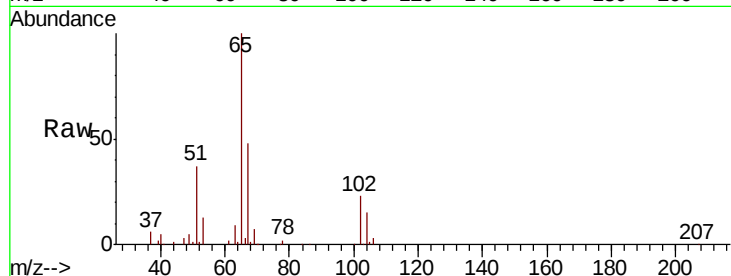
C0B39

Tot Ion: 65 Resp: 152261

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

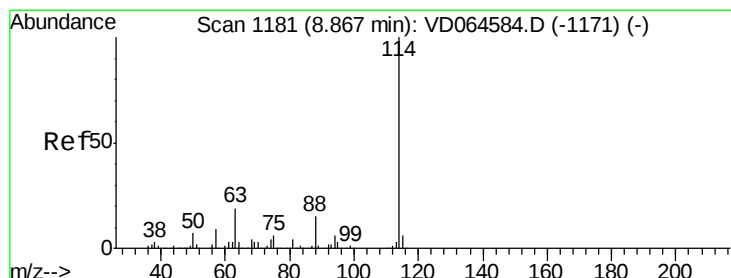
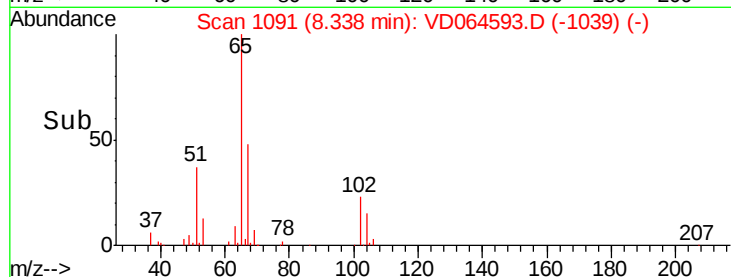
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064593.D

Acq: 26 Dec 2019 12:17

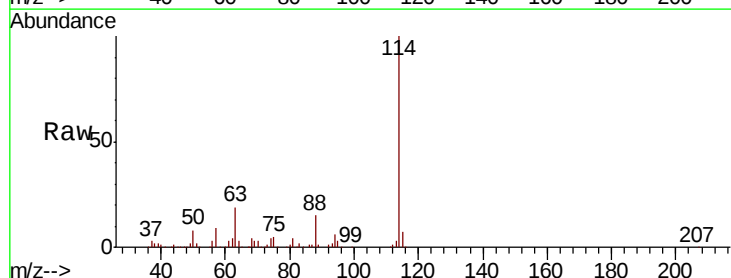
Tgt Ion: 114 Resp: 481831

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

88 14.6 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

300000

250000

200000

150000

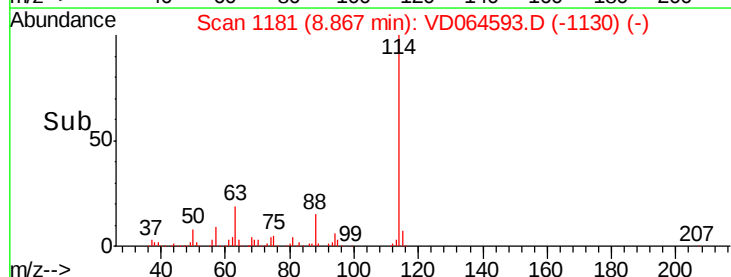
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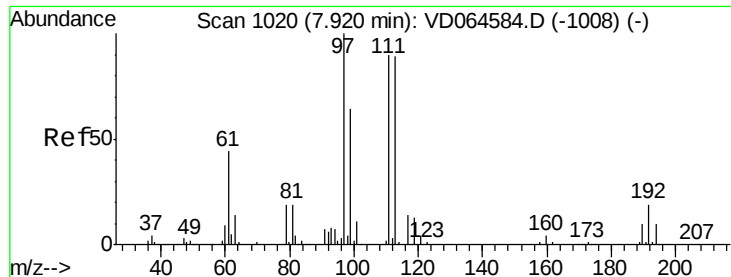
50000

0

8.70 8.80 8.90 9.00

Time-->

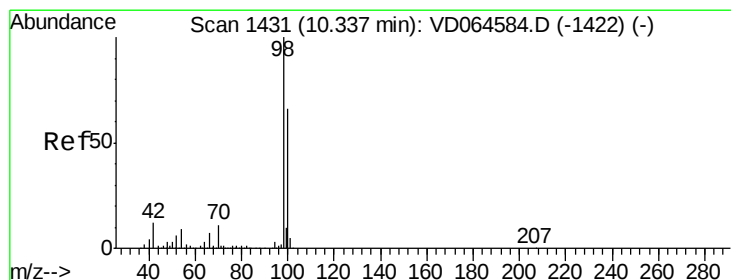
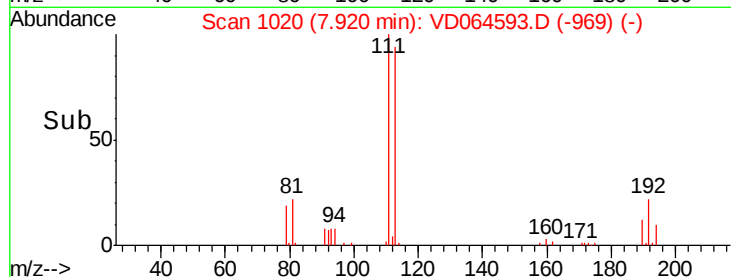
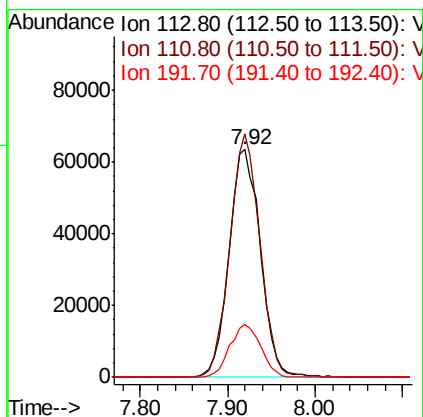
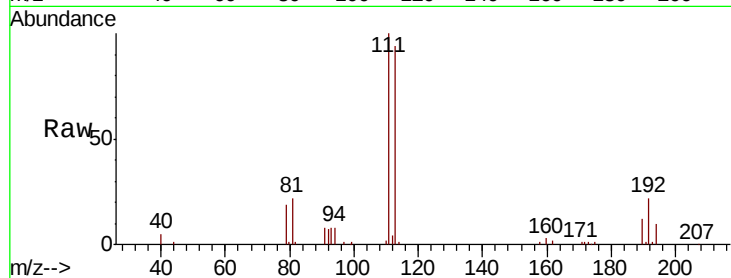




#35
Dibromofluoromethane
Concen: 52.207 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

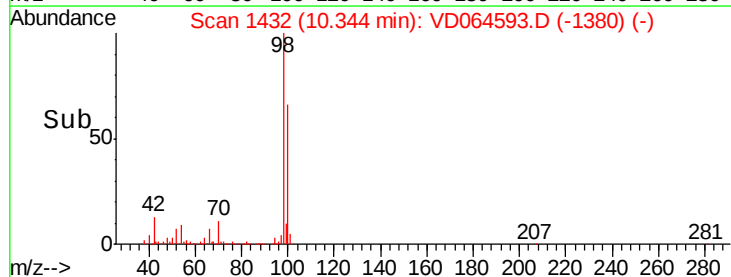
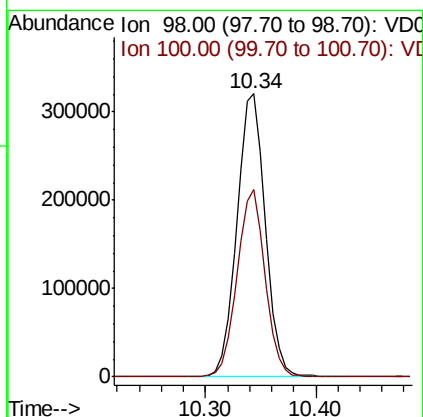
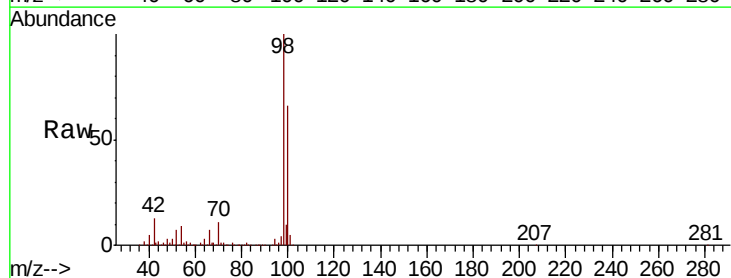
Instrument :
MSVOA_D
ClientSampleId :
C0B39

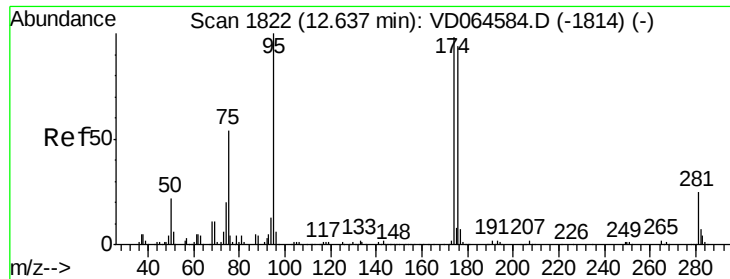
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	23.2	17.9	26.9



#50
Toluene-d8
Concen: 51.357 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5

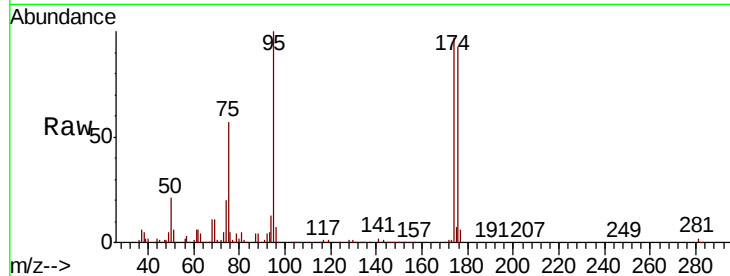




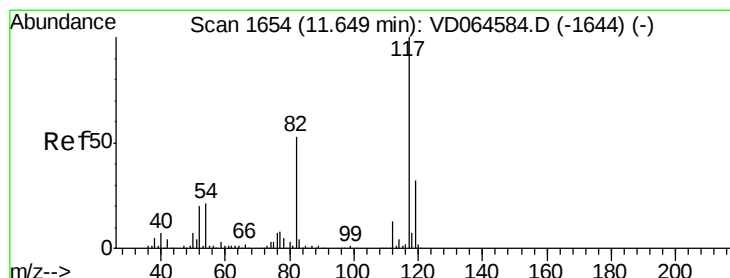
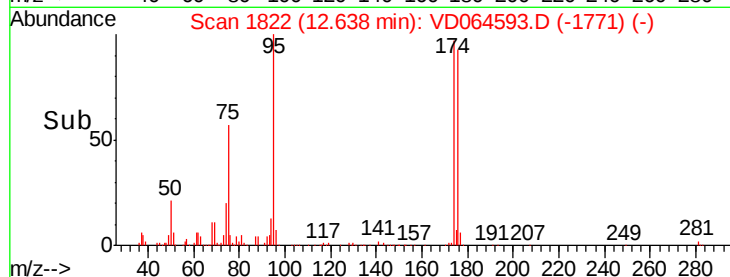
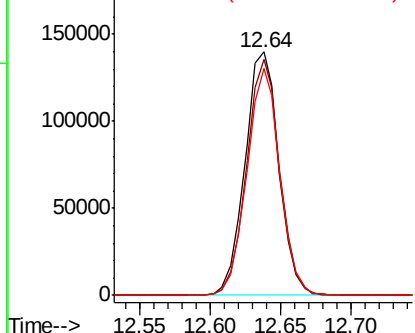
#62
4-Bromofluorobenzene
Concen: 65.862 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
C0B39

Tot Ion: 95 Resp: 235788
Ion Ratio Lower Upper
95 100
174 94.2 0.0 193.2
176 90.4 0.0 184.2

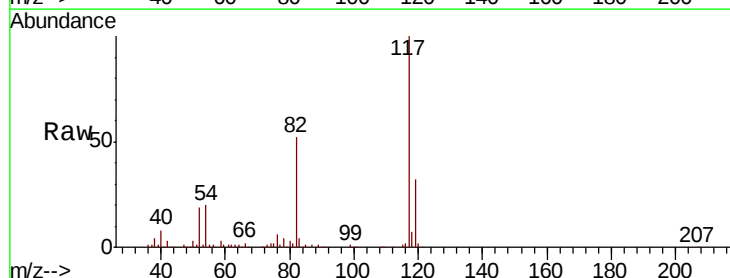


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

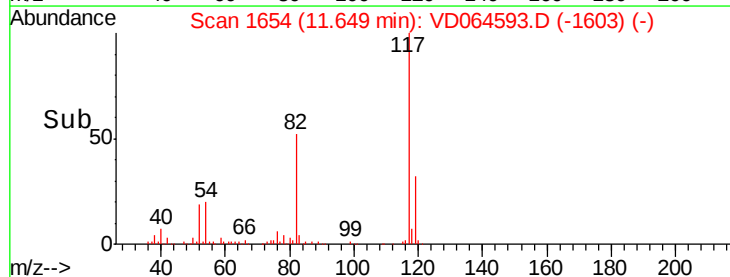
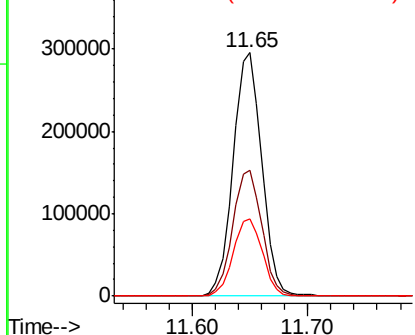


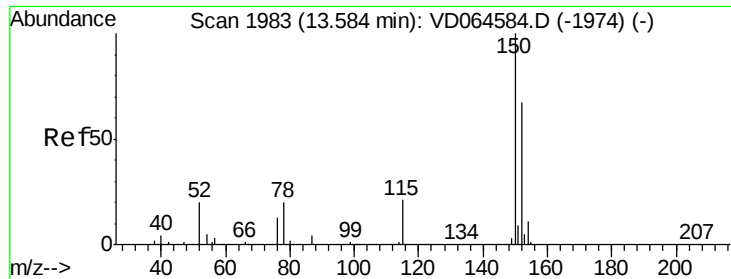
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064593.D
Acq: 26 Dec 2019 12:17

Tgt Ion: 117 Resp: 509003
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.4
119 31.6 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



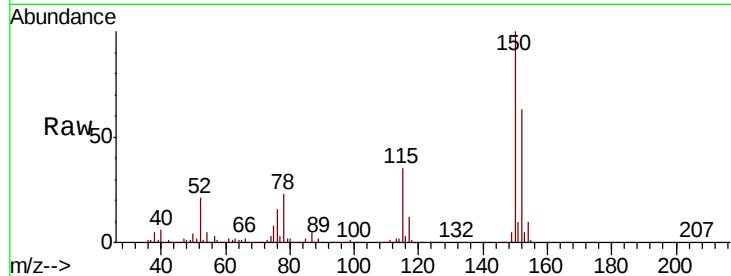


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD064593.D
 Acq: 26 Dec 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 C0B39

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	158.8	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

