

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061285.D
 Acq On : 23 Mar 2019 17:19
 Operator : VA/AP
 Sample : K2050-01
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-5

Quant Time: Mar 25 07:23:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	78798	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	122320	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	68288	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	12809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	52164	79.53	ug/l	0.02
Spiked Amount			Recovery	=	159.06%	
35) Dibromofluoromethane	6.94	113	68879	75.88	ug/l	0.02
Spiked Amount			Recovery	=	151.76%	
50) Toluene-d8	10.41	98	109347	47.97	ug/l	0.02
Spiked Amount			Recovery	=	95.94%	
62) 4-Bromofluorobenzene	13.56	95	22198	25.10	ug/l	0.00
Spiked Amount			Recovery	=	50.20%	

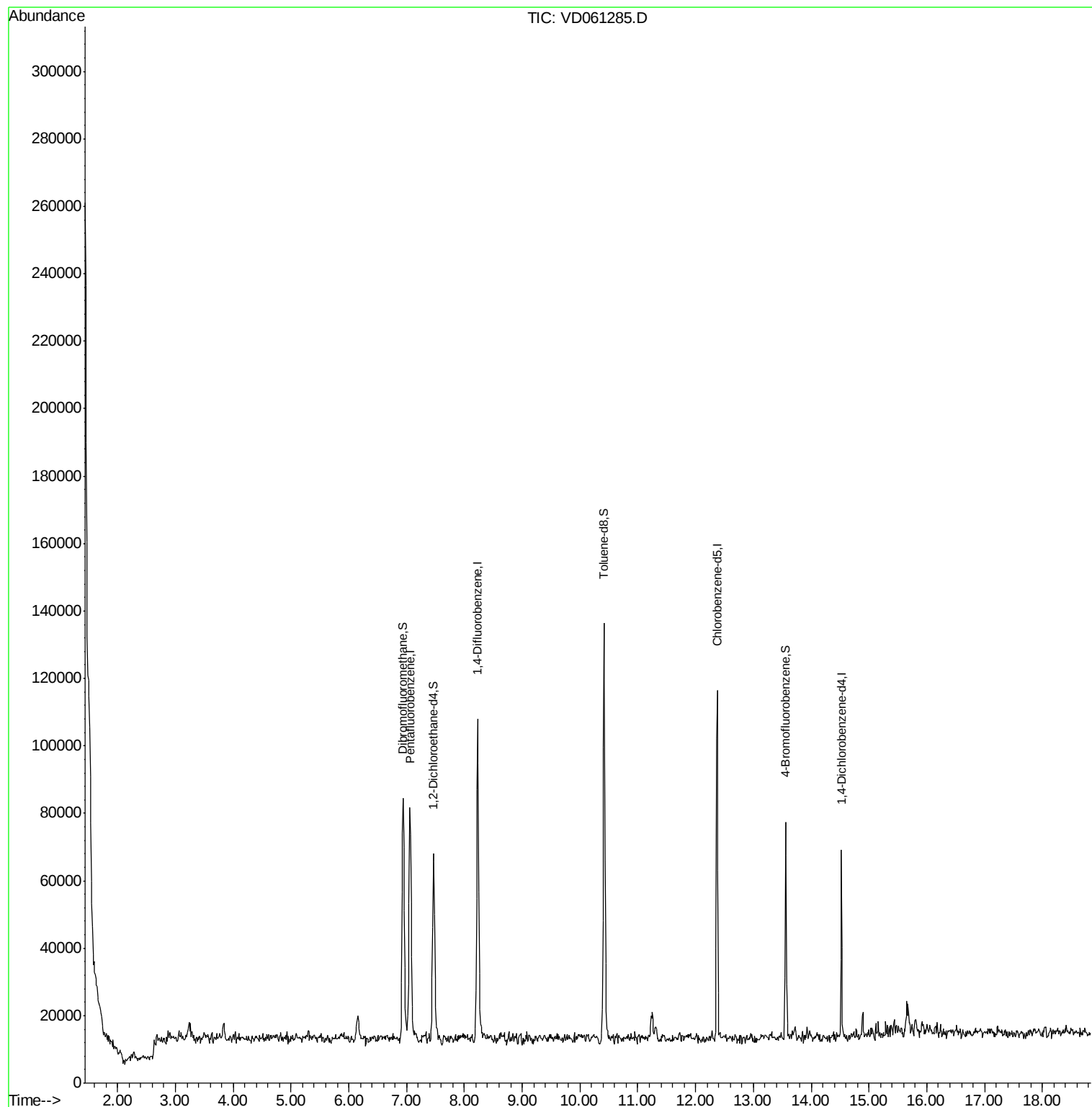
Target Compounds	Qvalue
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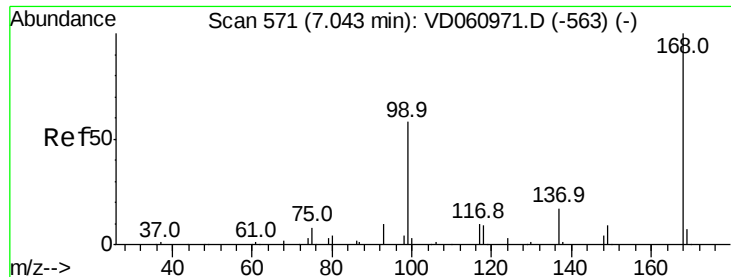
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061285.D

Acq: 23 Mar 2019 17:19

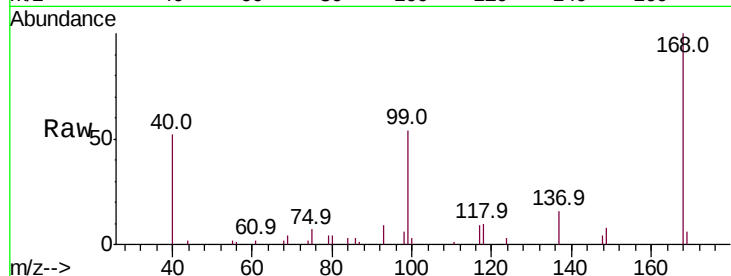
Instrument :
MSVOA_D
ClientSampleId :
CS-5

Tot Ion:168 Resp: 78798

Ion Ratio Lower Upper

168 100

99 53.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

25000

20000

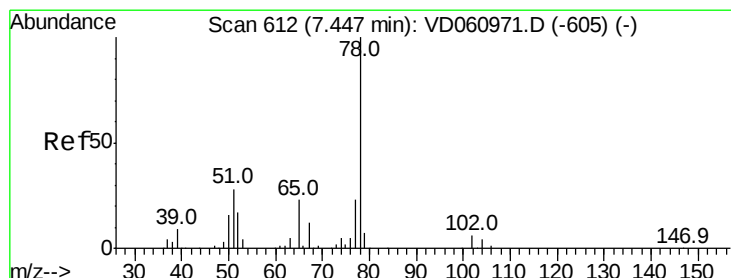
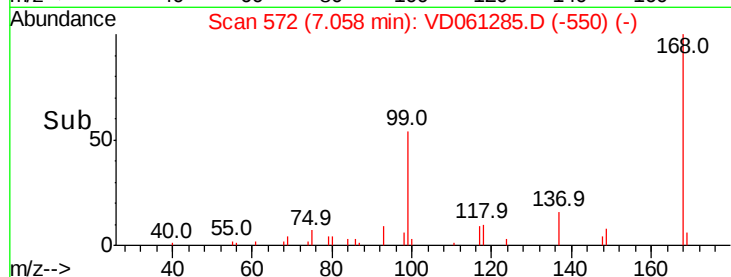
15000

10000

5000

0

Time--> 6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061285.D

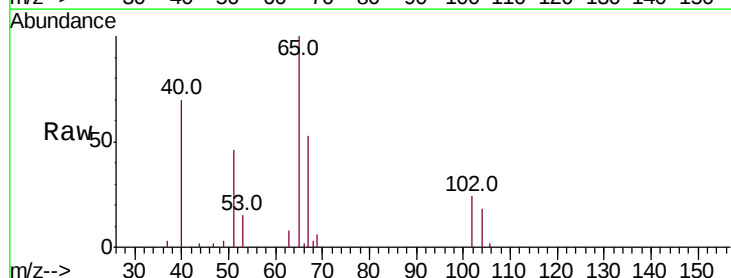
Acq: 23 Mar 2019 17:19

Tgt Ion: 65 Resp: 52164

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

20000

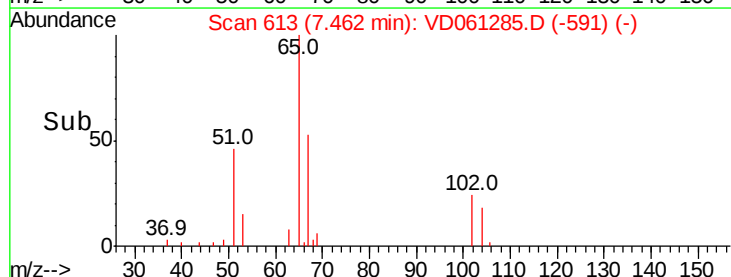
15000

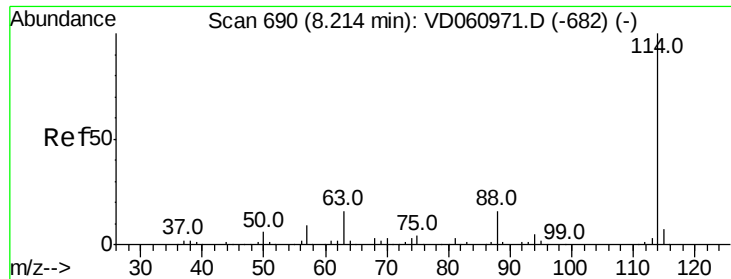
10000

5000

0

Time--> 7.40 7.50 7.60

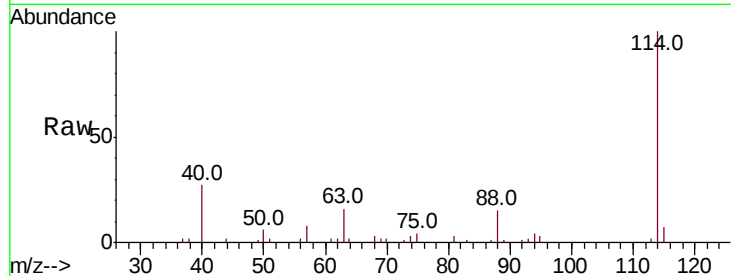




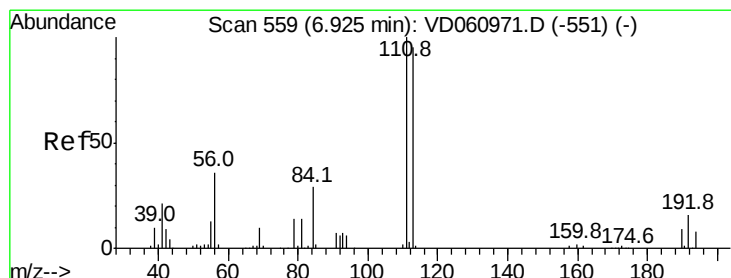
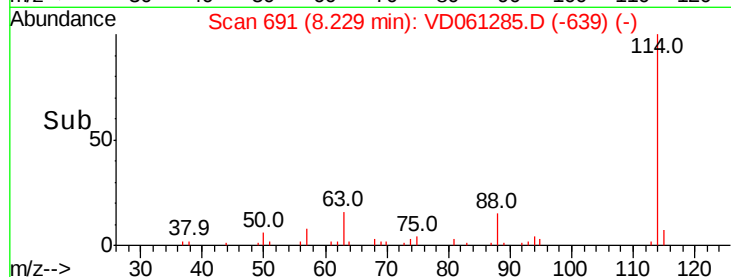
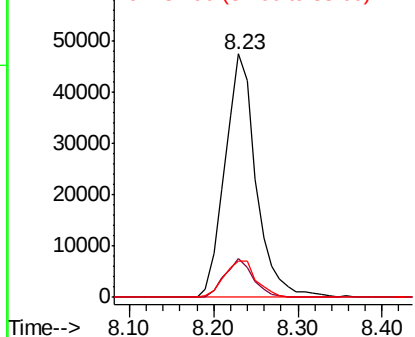
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061285.D
 Acq: 23 Mar 2019 17:19

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-5

Tot Ion:114 Resp: 122320
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 14.8 0.0 33.0

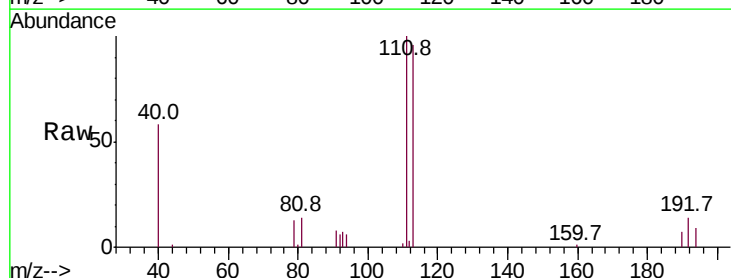


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

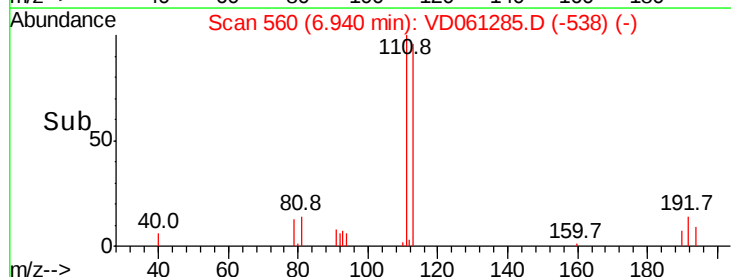
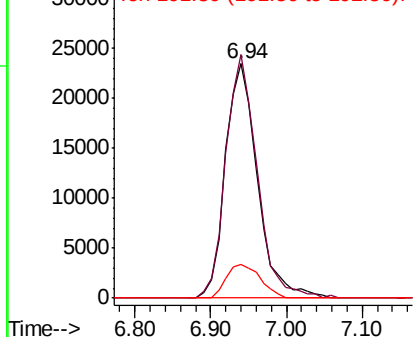


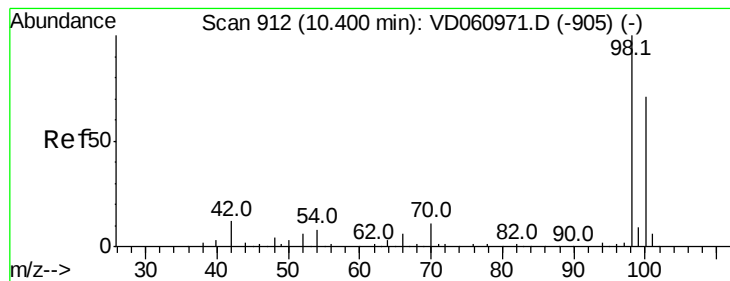
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061285.D
 Acq: 23 Mar 2019 17:19

Tgt Ion:113 Resp: 68879
 Ion Ratio Lower Upper
 113 100
 111 104.0 84.2 126.4
 192 14.6 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061285.D

Acq: 23 Mar 2019 17:19

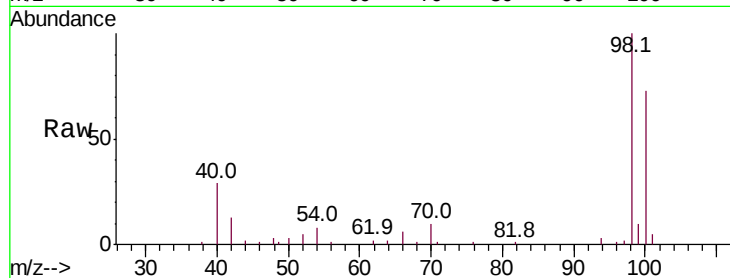
Instrument :
MSVOA_D
ClientSampleId :
CS-5

Tot Ion: 98 Resp: 109347

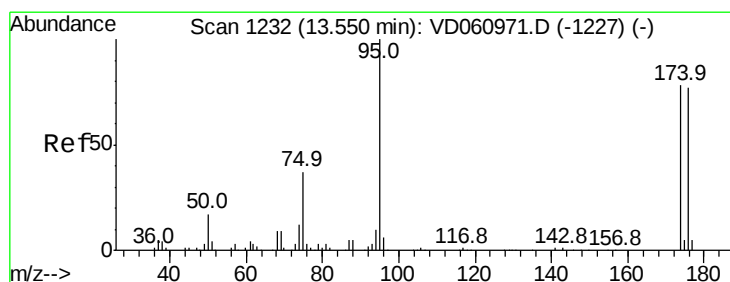
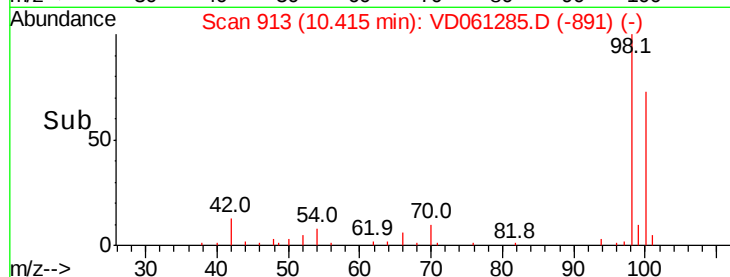
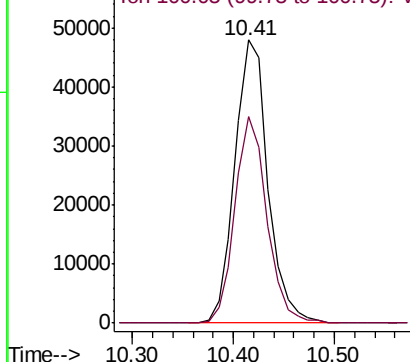
Ion Ratio Lower Upper

98 100

100 72.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061285.D

Acq: 23 Mar 2019 17:19

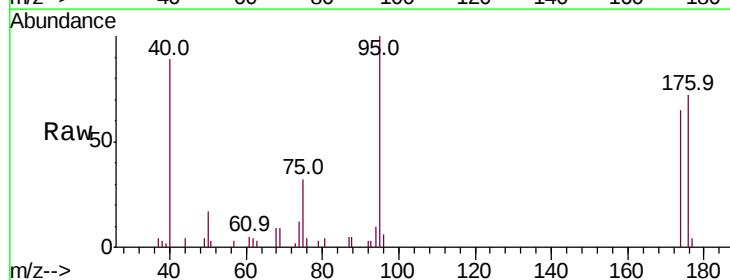
Tgt Ion: 95 Resp: 22198

Ion Ratio Lower Upper

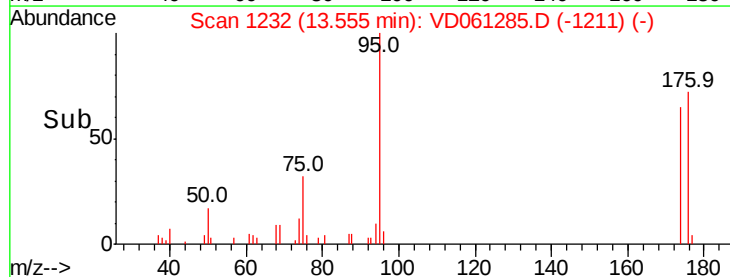
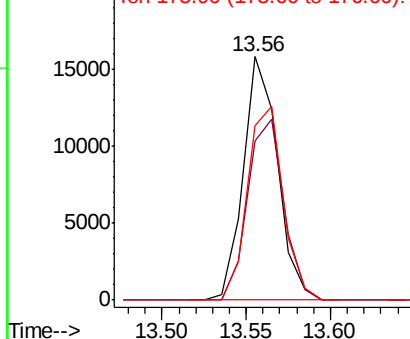
95 100

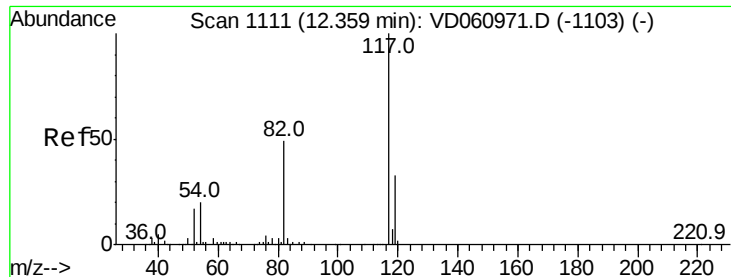
174 65.3 0.0 155.6

176 71.8 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

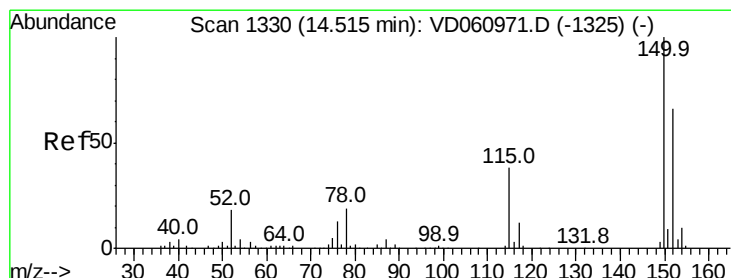
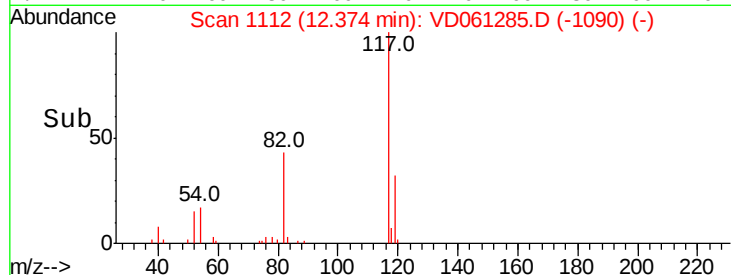
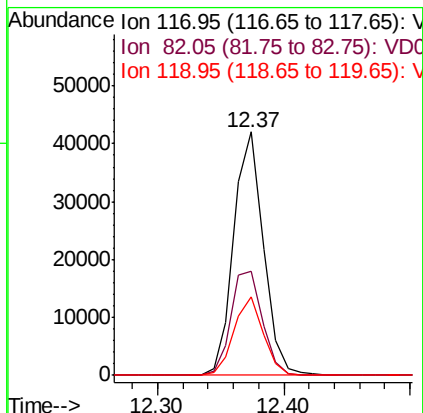
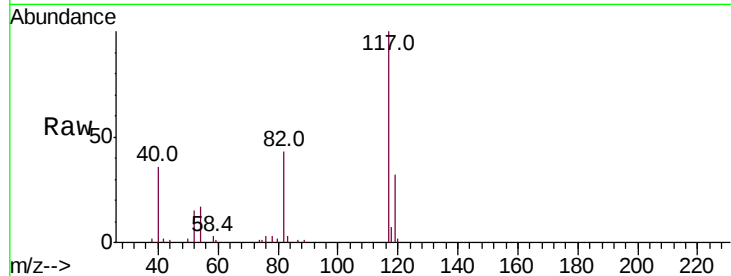




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061285.D
Acq: 23 Mar 2019 17:19

Instrument :
MSVOA_D
ClientSampled :
CS-5

Tot Ion:117 Resp: 68288
Ion Ratio Lower Upper
117 100
82 42.7 38.9 58.3
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061285.D
Acq: 23 Mar 2019 17:19

Tgt Ion:152 Resp: 12809
Ion Ratio Lower Upper
152 100
115 61.1 28.6 85.9
150 162.2 0.0 310.6

