

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062493.D
 Acq On : 21 May 2019 20:40
 Operator : VA/AP
 Sample : K2971-02
 Misc : 5.47g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUP-2A-G-2-052019

Quant Time: May 22 03:28:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	535419	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	708249	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	604907	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	322725	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	198056	34.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	69.12%	
35) Dibromofluoromethane	6.91	113	241174	37.75	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	75.50%	
50) Toluene-d8	10.41	98	485354	34.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	69.42%	
62) 4-Bromofluorobenzene	13.55	95	206974	33.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	67.68%	

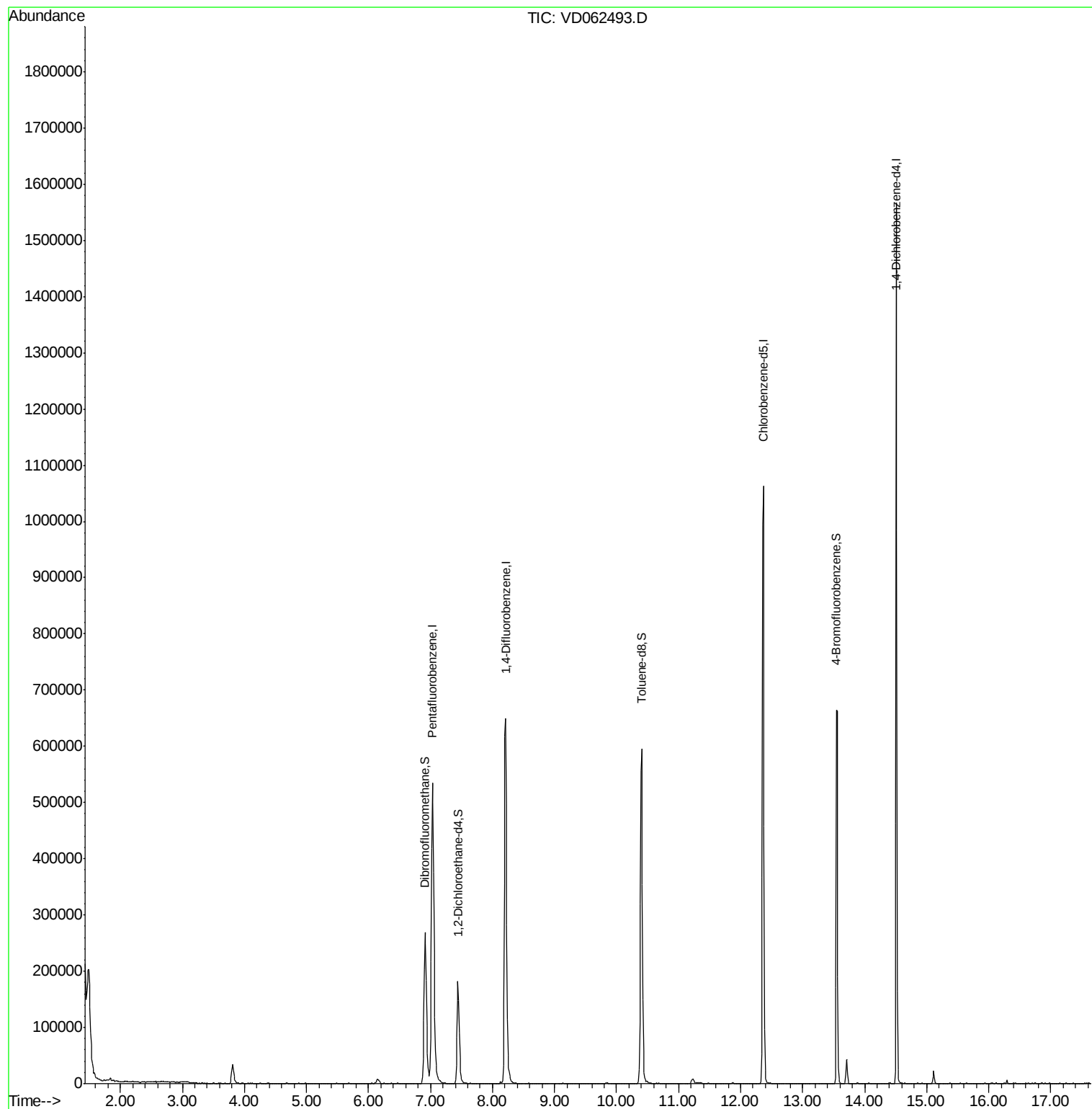
Target Compounds	Qvalue
------------------	--------

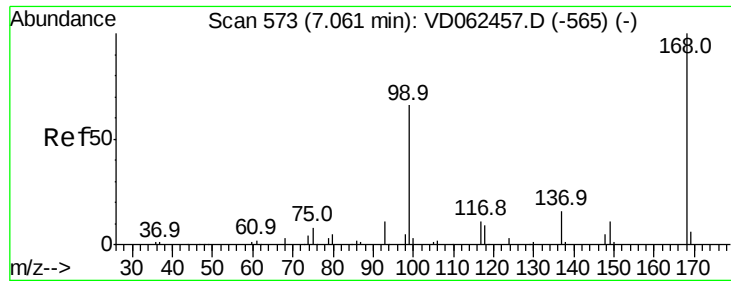
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
Data File : VD062493.D
Acq On : 21 May 2019 20:40
Operator : VA/AP
Sample : K2971-02
Misc : 5.47g/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SUP-2A-G-2-052019

Quant Time: May 22 03:28:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062493.D

Acq: 21 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

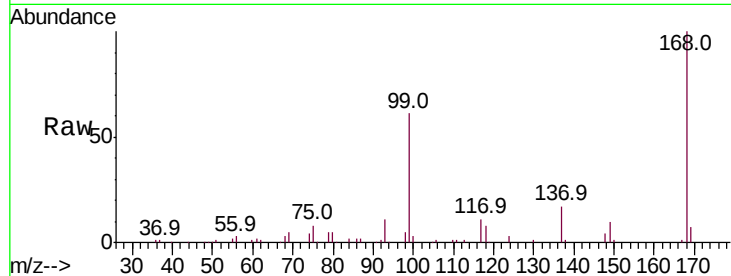
SUP-2A-G-2-052019

Tot Ion:168 Resp: 535419

Ion Ratio Lower Upper

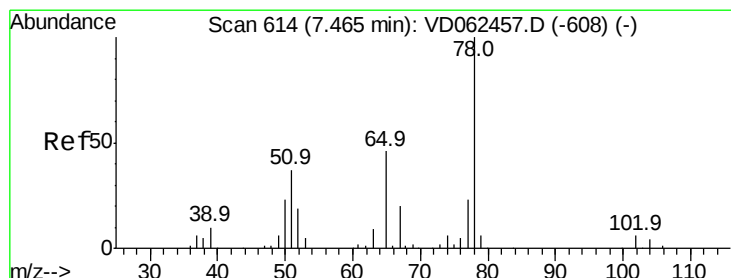
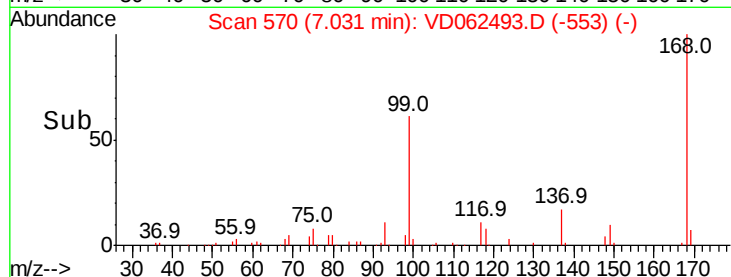
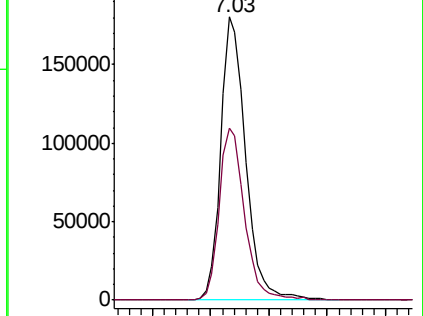
168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 34.557 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062493.D

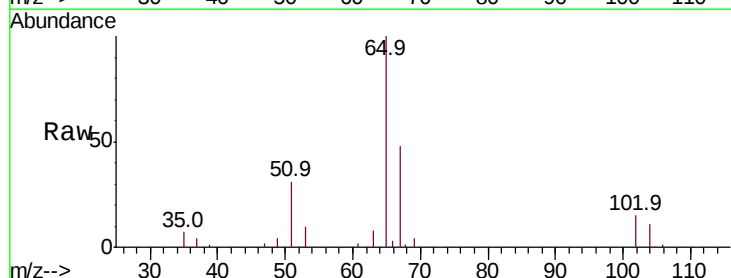
Acq: 21 May 2019 20:40

Tgt Ion: 65 Resp: 198056

Ion Ratio Lower Upper

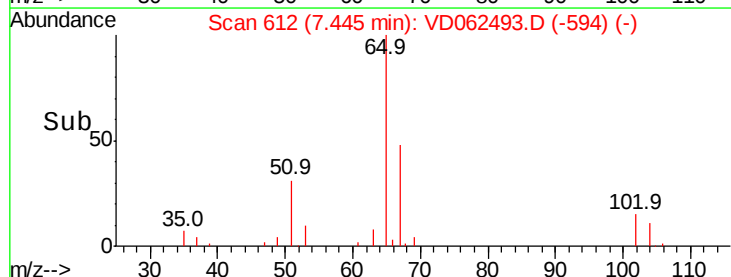
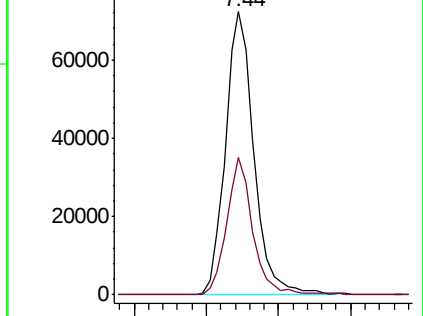
65 100

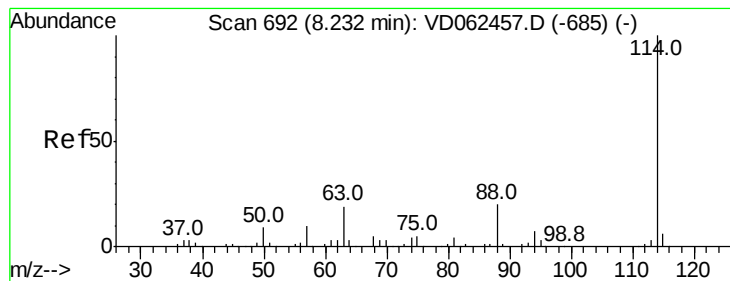
67 48.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062493.D

Acq: 21 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

SUP-2A-G-2-052019

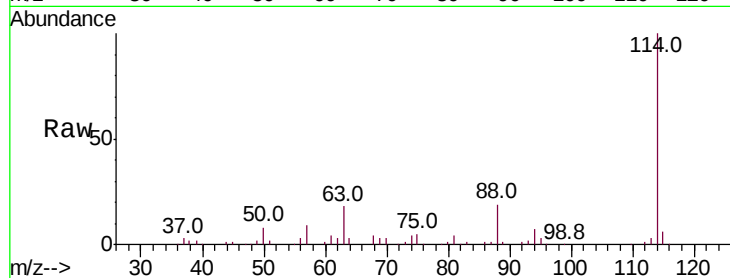
Tot Ion:114 Resp: 708249

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.4

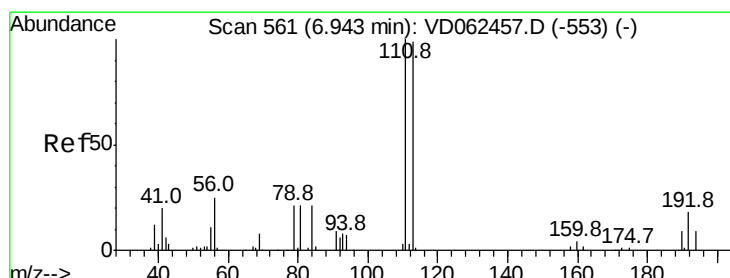
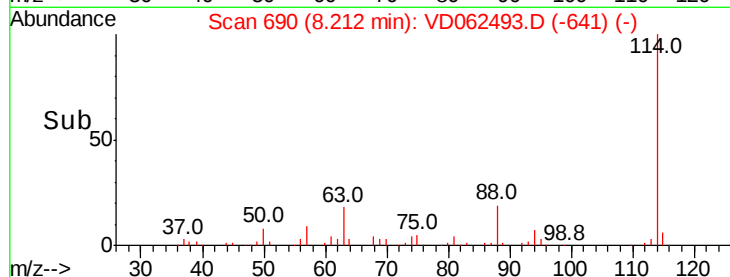
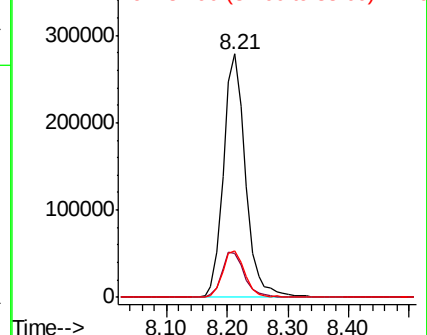
88 18.9 0.0 33.6



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: 37.747 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD062493.D

Acq: 21 May 2019 20:40

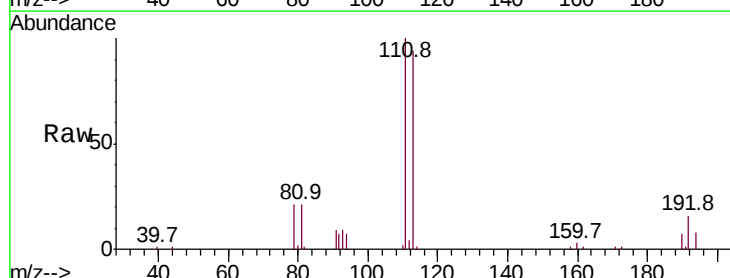
Tgt Ion:113 Resp: 241174

Ion Ratio Lower Upper

113 100

111 106.8 78.5 117.7

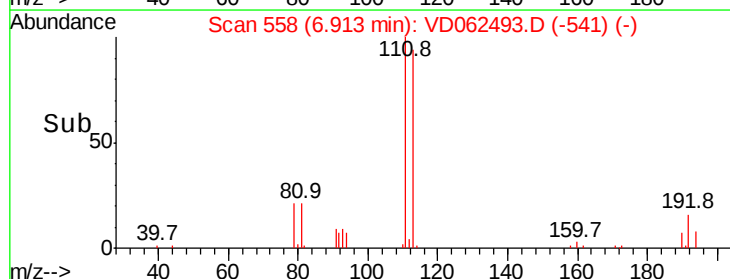
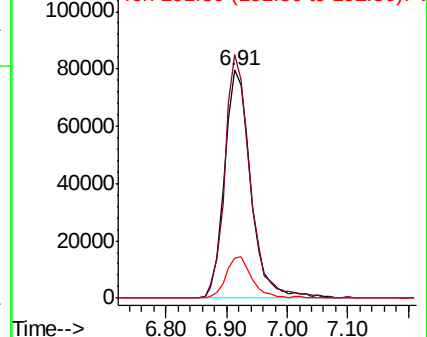
192 17.3 13.0 19.4

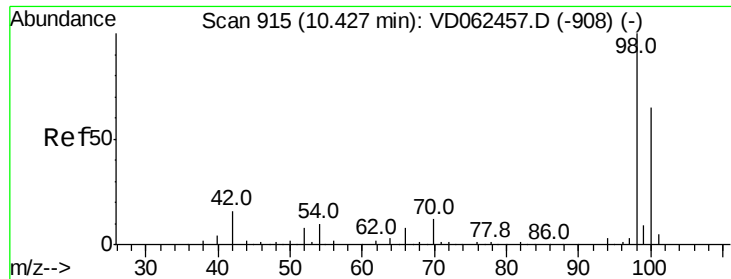


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 34.712 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.02 min

Lab File: VD062493.D

Acq: 21 May 2019 20:40

Instrument :

MSVOA_D

ClientSampleId :

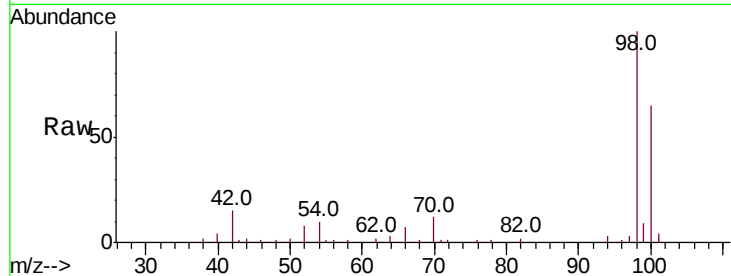
SUP-2A-G-2-052019

Tot Ion: 98 Resp: 485354

Ion Ratio Lower Upper

98 100

100 64.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062457.D (-908) (-)

Ion 100.05 (99.75 to 100.75): VD062457.D (-908) (-)

10.41

250000

200000

150000

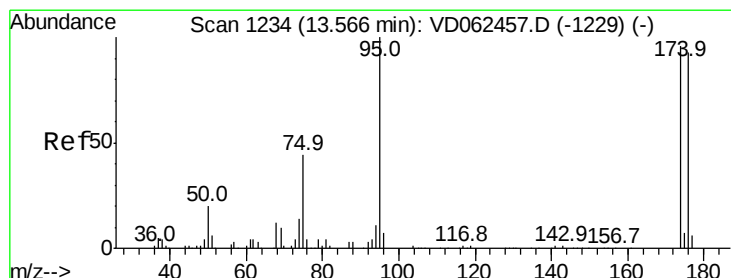
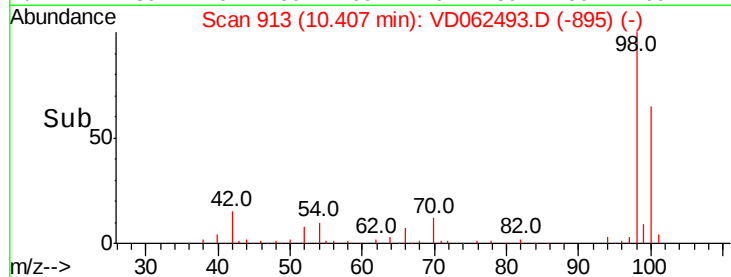
100000

50000

0

10.40 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 33.840 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD062493.D

Acq: 21 May 2019 20:40

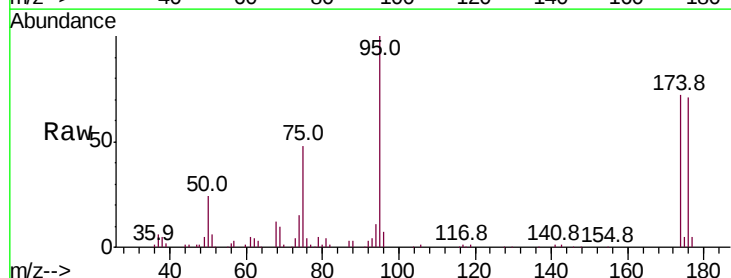
Tgt Ion: 95 Resp: 206974

Ion Ratio Lower Upper

95 100

174 71.9 0.0 181.8

176 70.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062457.D (-1229) (-)

Ion 173.90 (173.60 to 174.60): VD062457.D (-1229) (-)

Ion 175.90 (175.60 to 176.60): VD062457.D (-1229) (-)

13.55

150000

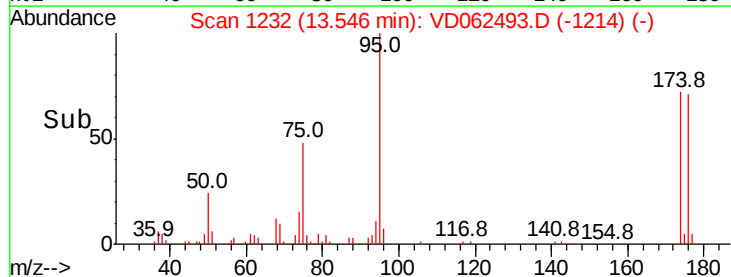
100000

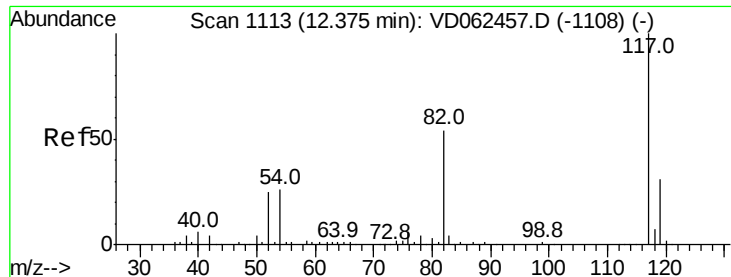
50000

0

13.50 13.55 13.60 13.65

Time-->

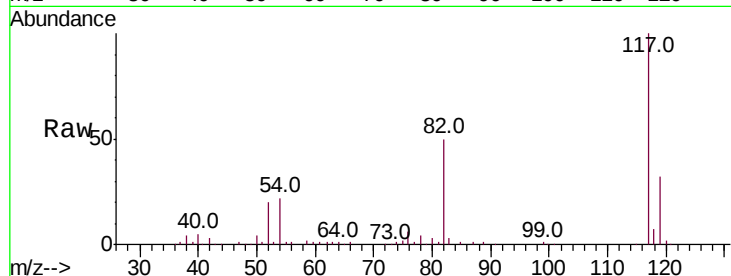




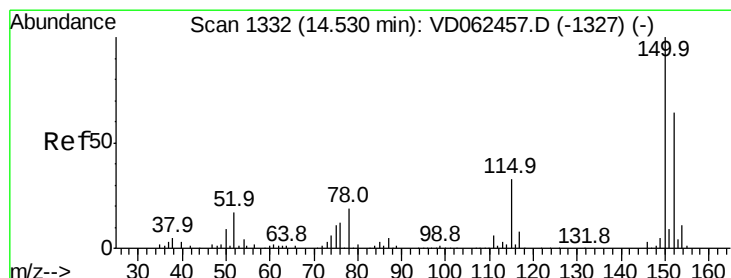
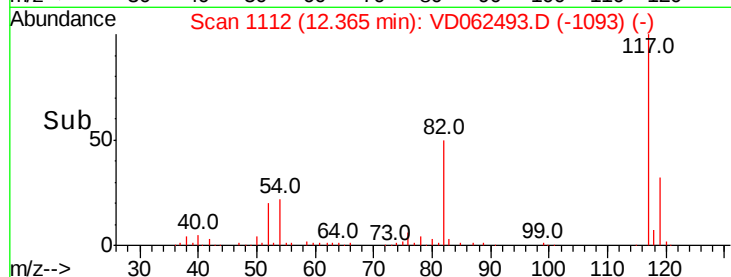
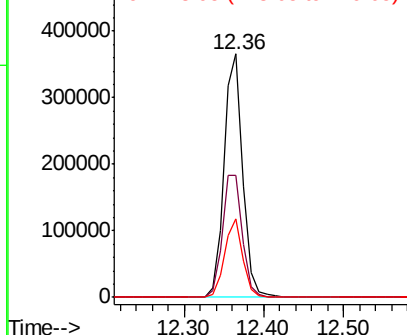
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062493.D
Acq: 21 May 2019 20:40

Instrument :
MSVOA_D
ClientSampleId :
SUP-2A-G-2-052019

Tot Ion:117 Resp: 604907
Ion Ratio Lower Upper
117 100
82 50.3 36.2 54.2
119 32.3 26.2 39.4

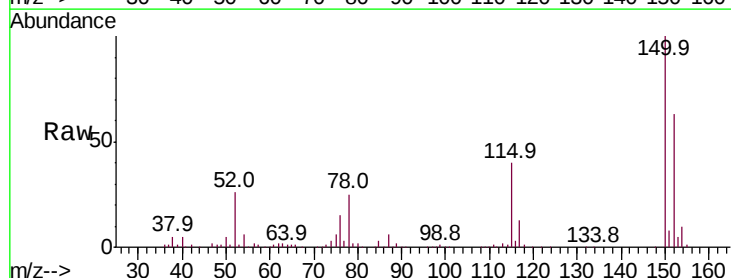


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062493.D
Acq: 21 May 2019 20:40

Tgt Ion:152 Resp: 322725
Ion Ratio Lower Upper
152 100
115 62.6 30.9 92.7
150 158.2 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

