

Data File : VF062456.D
Acq On : 11 May 2019 13:24
Operator : FY/SY
Sample : K2754-02
Misc : 6.63g/5mL/MSVOA_F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TP-5

Quant Time: May 12 04:11:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

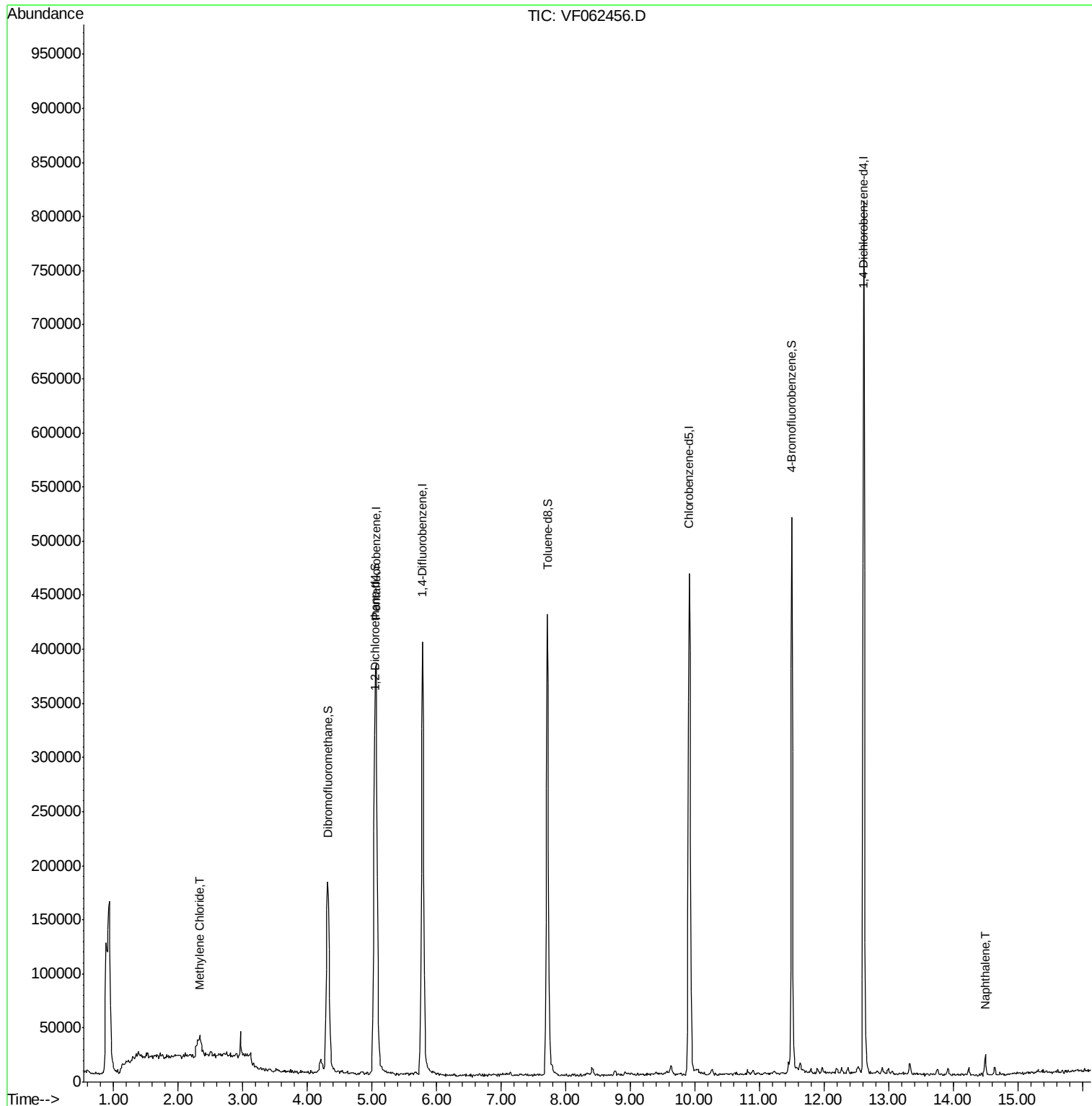
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	324026	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	425329	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	340765	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	211765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	148592	48.52	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.04%	
35) Dibromofluoromethane	4.31	113	161812	47.75	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.50%	
50) Toluene-d8	7.72	98	342708	41.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.56%	
62) 4-Bromofluorobenzene	11.50	95	164175	44.36	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.72%	
Target Compounds						
20) Methylene Chloride	2.33	84	15523	6.926	ug/l #	89
95) Naphthalene	14.50	128	13256	1.688	ug/l #	95

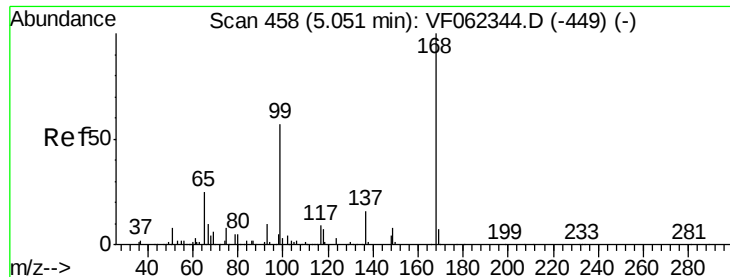
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

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MSVOA_F

ClientSampleId :

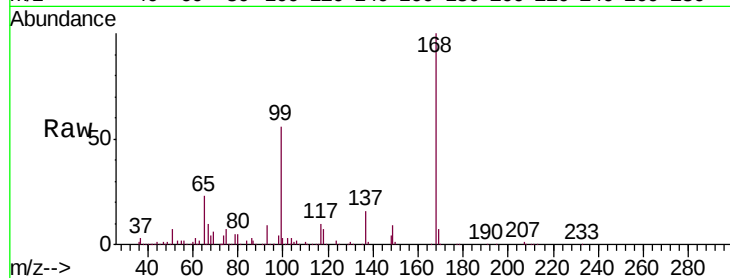
TP-5

Tgt Ion:168 Resp: 324026

Ion Ratio Lower Upper

168 100

99 55.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

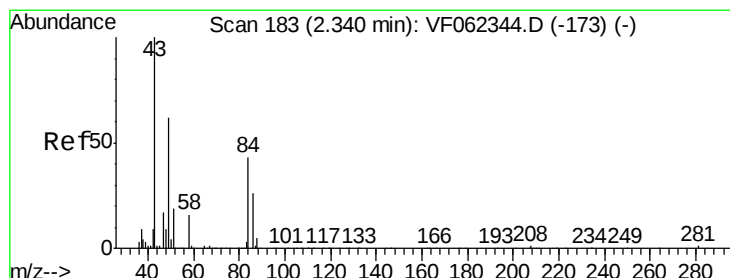
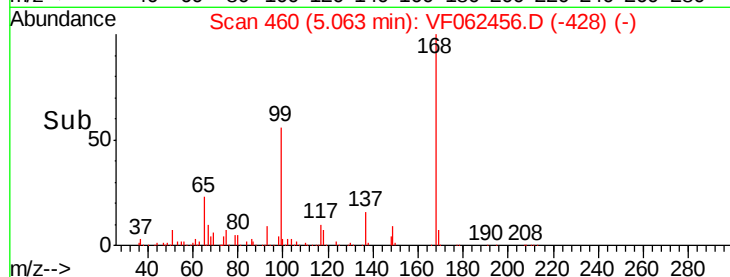
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 6.926 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062456.D

Acq: 11 May 2019 13:24

Tgt Ion: 84 Resp: 15523

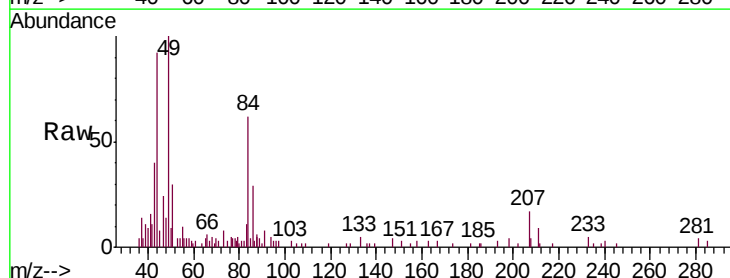
Ion Ratio Lower Upper

84 100

49 157.6 117.5 176.3

51 42.6 37.0 55.4

86 46.5 49.3 73.9#



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

8000

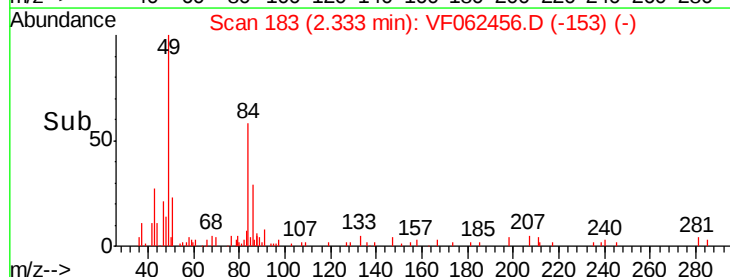
6000

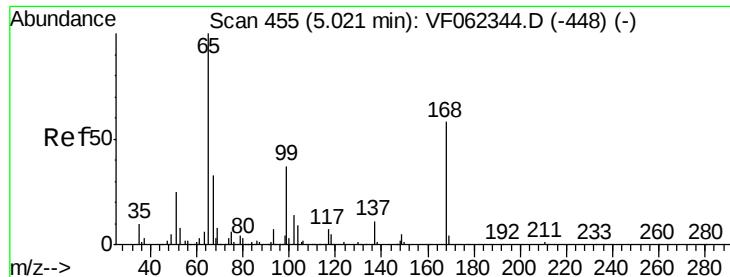
4000

2000

0

Time--> 2.20 2.30 2.40 2.50





#33

1,2-Dichloroethane-d4

Concen: 48.525 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF062456.D

Acq: 11 May 2019 13:24

Instrument :

MSVOA_F

ClientSampleId :

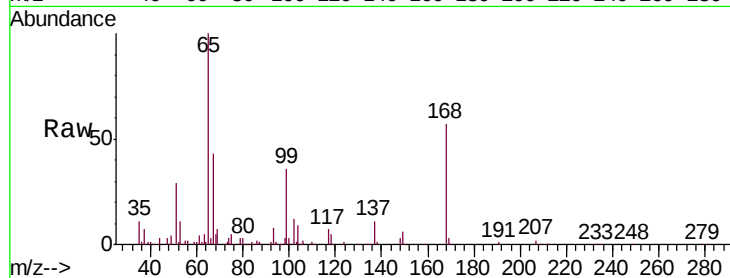
TP-5

Tgt Ion: 65 Resp: 148592

Ion Ratio Lower Upper

65 100

67 45.9 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.03

40000

30000

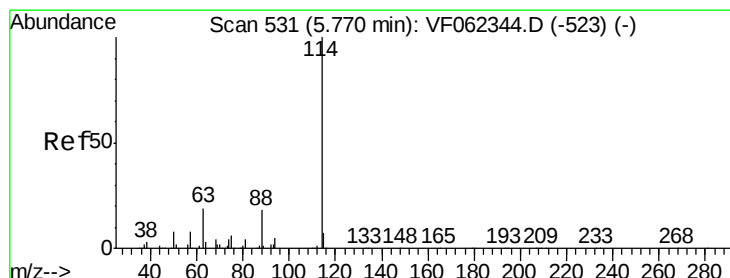
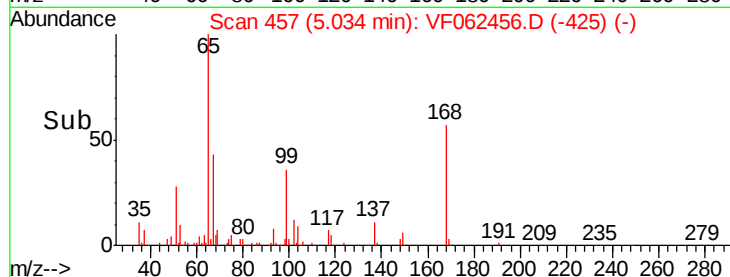
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062456.D

Acq: 11 May 2019 13:24

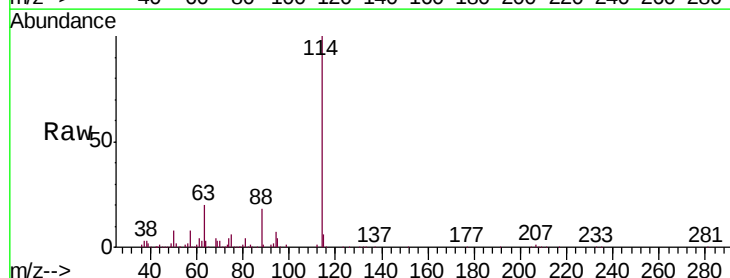
Tgt Ion: 114 Resp: 425329

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 18.5 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

5.78

200000

150000

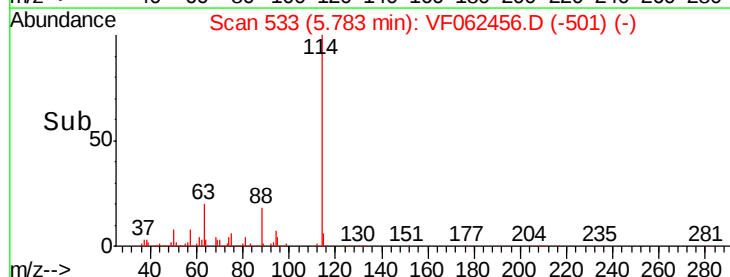
100000

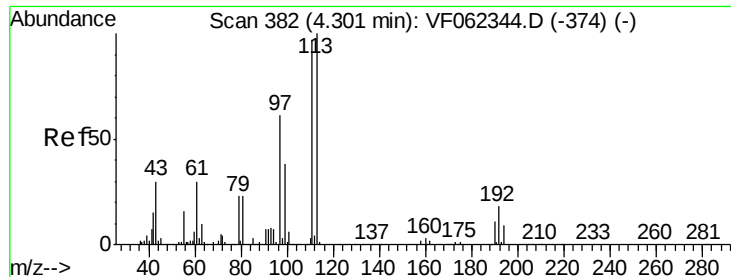
50000

0

5.60 5.80 6.00

Time-->

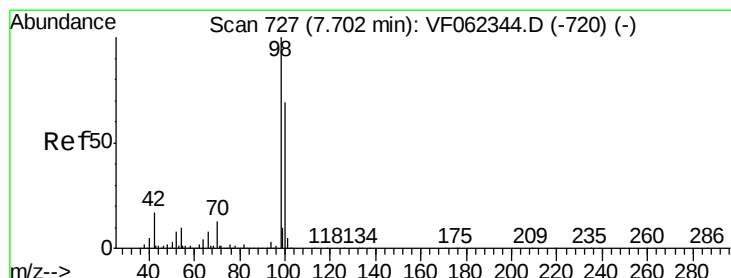
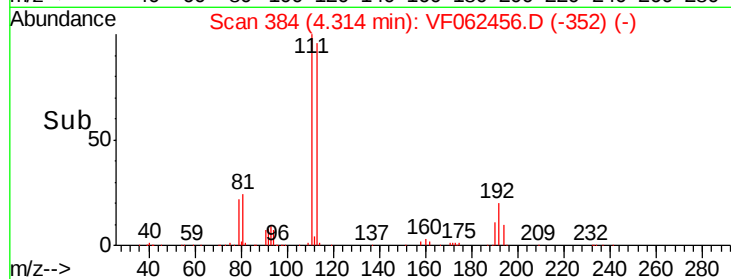
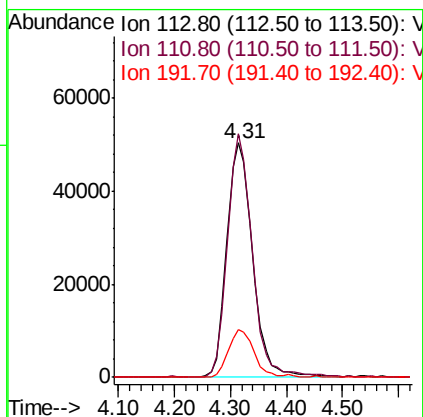
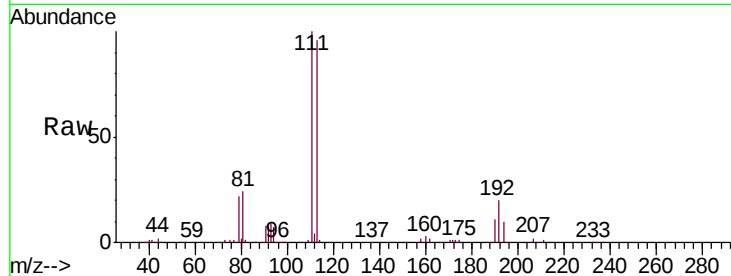




#35
 Dibromofluoromethane
 Concen: 47.753 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062456.D
 Acq: 11 May 2019 13:24

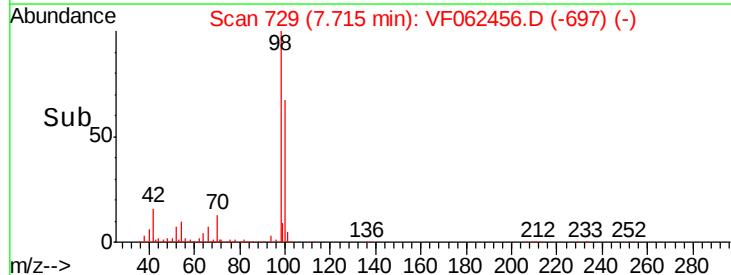
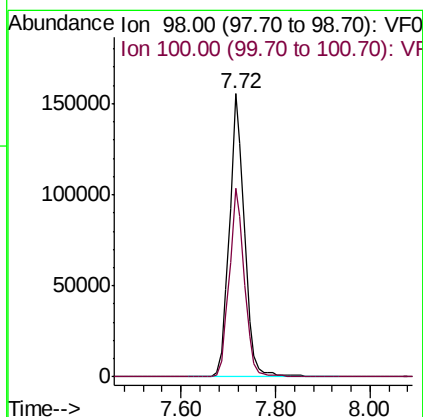
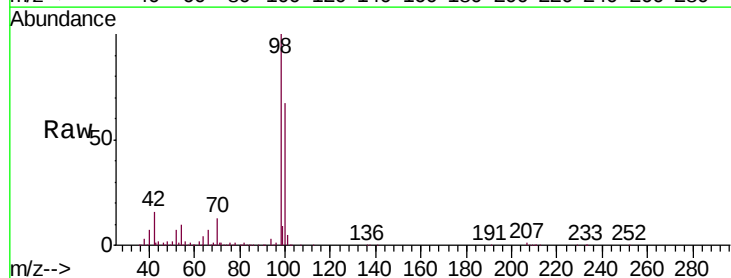
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5

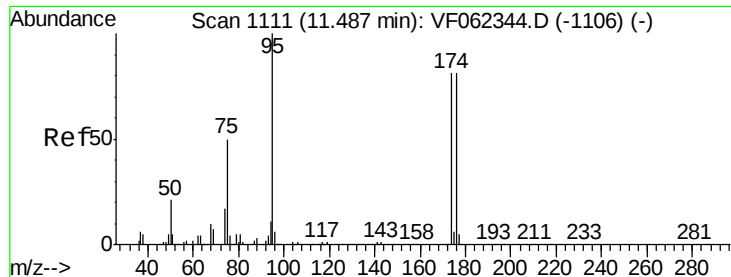
Tgt Ion:113 Resp: 161812
 Ion Ratio Lower Upper
 113 100
 111 100.0 79.4 119.0
 192 19.8 16.0 24.0



#50
 Toluene-d8
 Concen: 41.781 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VF062456.D
 Acq: 11 May 2019 13:24

Tgt Ion: 98 Resp: 342708
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 44.364 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062456.D

Acq: 11 May 2019 13:24

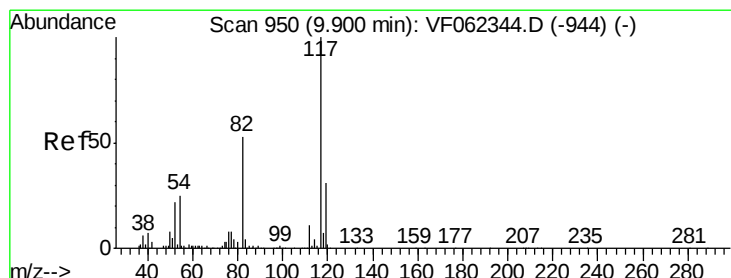
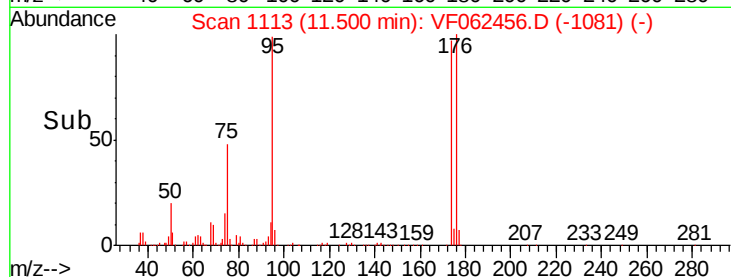
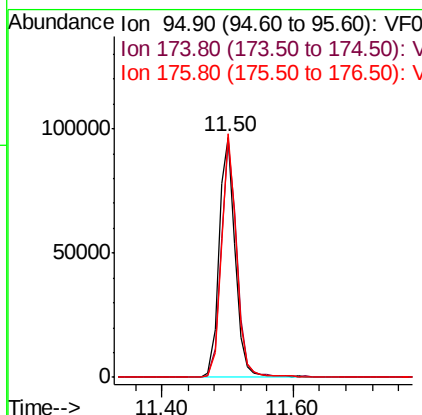
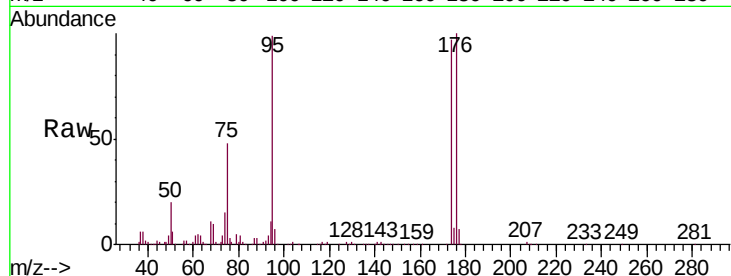
Instrument :

MSVOA_F

ClientSampled :

TP-5

Tgt Ion:	95	Resp:	164175
Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	191.8
176	94.6	0.0	193.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

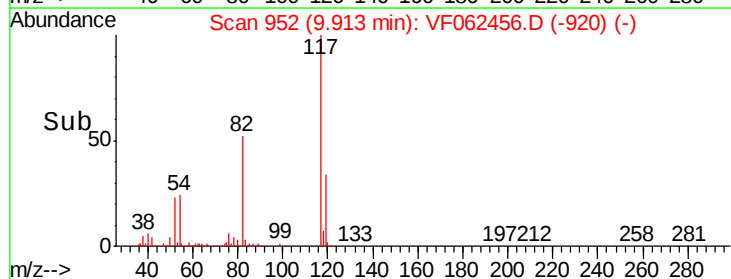
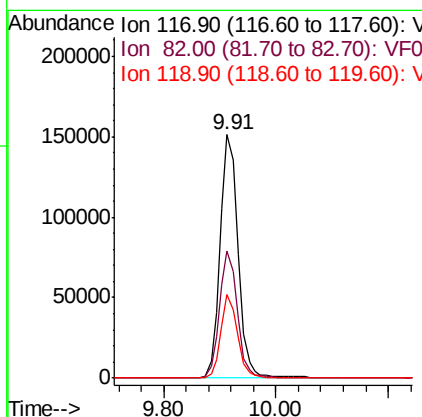
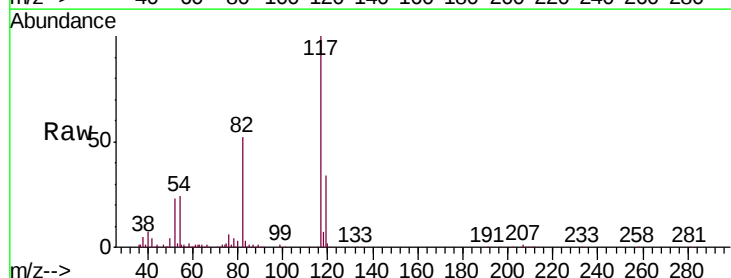
RT: 9.91 min Scan# 952

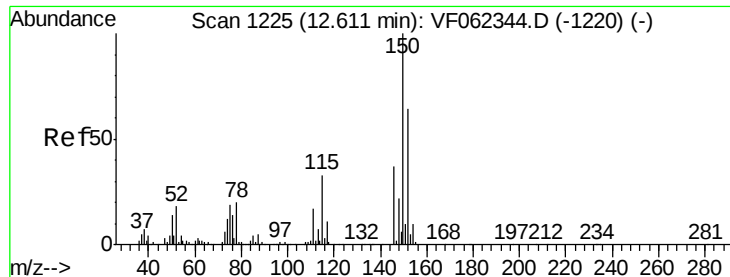
Delta R.T. 0.01 min

Lab File: VF062456.D

Acq: 11 May 2019 13:24

Tgt Ion:	117	Resp:	340765
Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.2	63.2
119	34.2	25.0	37.4



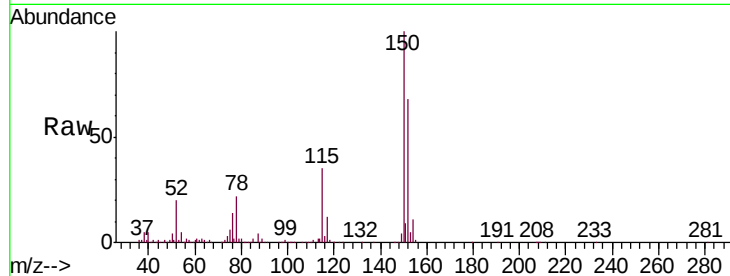


#72

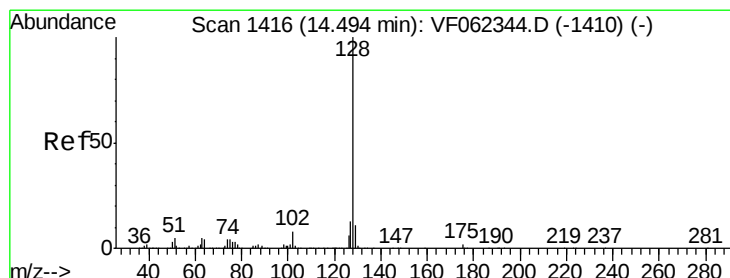
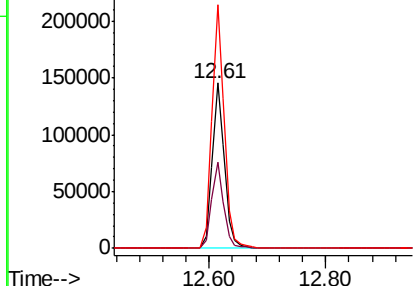
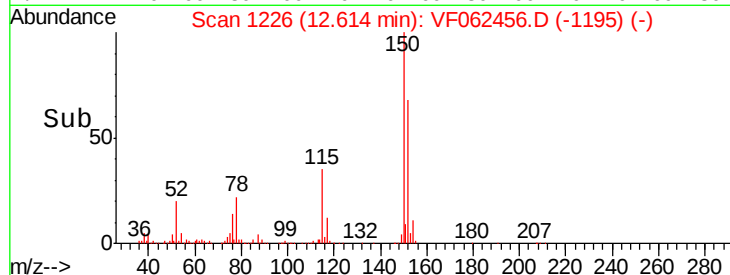
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :
TP-5

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.7	26.4	79.2
150	148.3	0.0	335.0



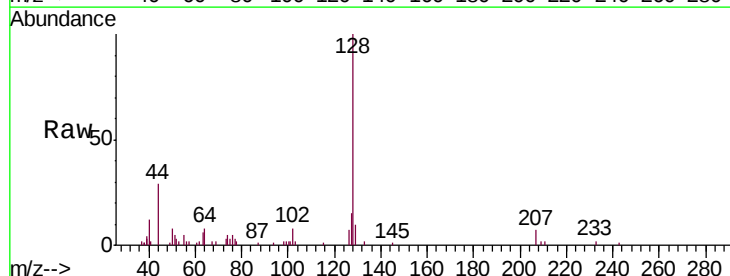
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 1.688 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.5	15.7#
129	11.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

