

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062499.D
 Acq On : 12 May 2019 13:25
 Operator : FY/SY
 Sample : K2734-01
 Misc : 6.71g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1218-01

Manual Integrations
 APPROVED

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 5/13/2019 12:26:14 PM

Quant Time: May 13 05:31:03 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	5.07	168	99251	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	175351	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	91920	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	47171	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	107584	114.70	ug/l	0.03
Spiked Amount 50.000			Recovery	=	229.40%	
35) Dibromofluoromethane	4.32	113	109760	78.57	ug/l	0.02
Spiked Amount 50.000			Recovery	=	157.14%	
50) Toluene-d8	7.72	98	42523	12.57	ug/l	0.02
Spiked Amount 50.000			Recovery	=	25.14%	
62) 4-Bromofluorobenzene	11.51	95	38189	25.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	50.06%	
Target Compounds						
20) Methylene Chloride	2.33	84	9697m	14.125	ug/l	Qvalue
95) Naphthalene	14.51	128	11499	6.573	ug/l	98

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

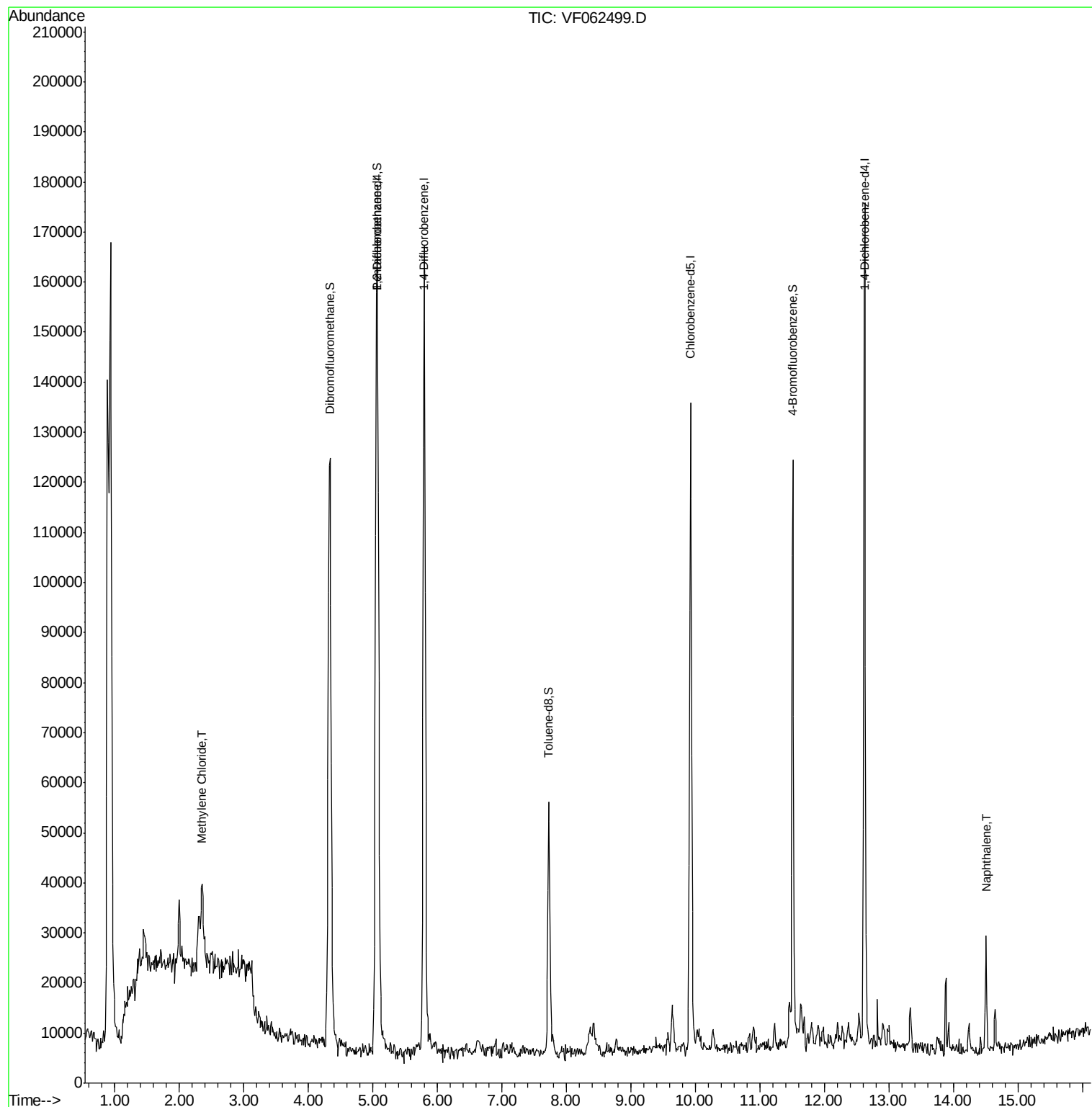
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
Data File : VF062499.D
Acq On : 12 May 2019 13:25
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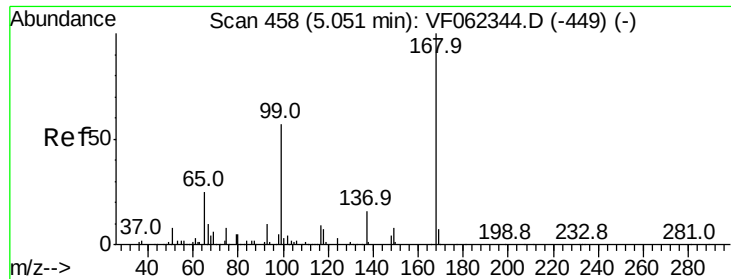
Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1218-01

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Quant Time: May 13 05:31:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062499.D

Acq: 12 May 2019 13:25

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1218-01

Tot Ion:168 Resp: 99251

Ion Ratio Lower Upper

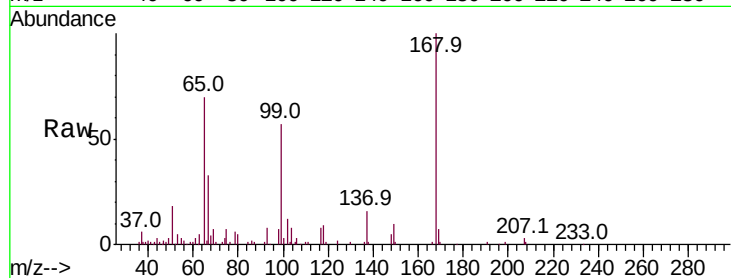
168 100

99 56.8 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): VF062344.D (-449) (-)

Ion 98.90 (98.60 to 99.60): VF062344.D (-449) (-)

5.07

30000

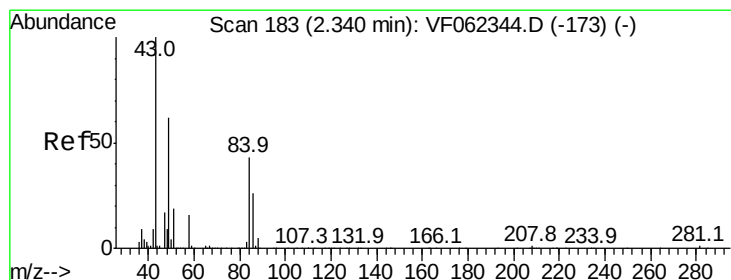
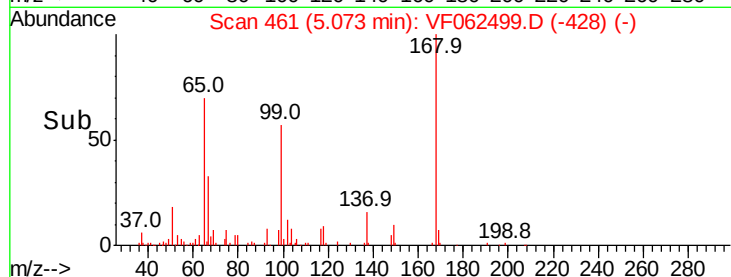
20000

10000

0

5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 14.125 ug/l m

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062499.D

Acq: 12 May 2019 13:25

Tgt Ion: 84 Resp: 9697

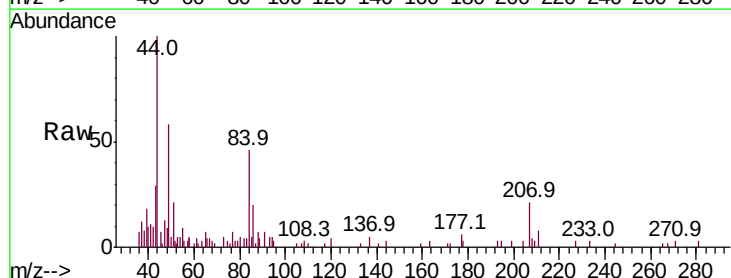
Ion Ratio Lower Upper

84 100

49 127.2 117.5 176.3

51 46.2 37.0 55.4

86 44.5 49.3 73.9#



Abundance Ion 83.90 (83.60 to 84.60): VF062344.D (-173) (-)

Ion 48.90 (48.60 to 49.60): VF062344.D (-173) (-)

Ion 50.90 (50.60 to 51.60): VF062344.D (-173) (-)

Ion 85.90 (85.60 to 86.60): VF062344.D (-173) (-)

5000

4000

3000

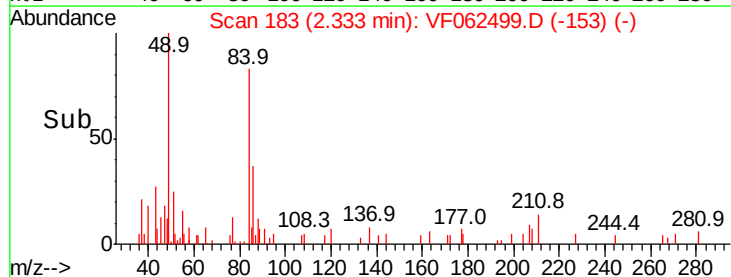
2000

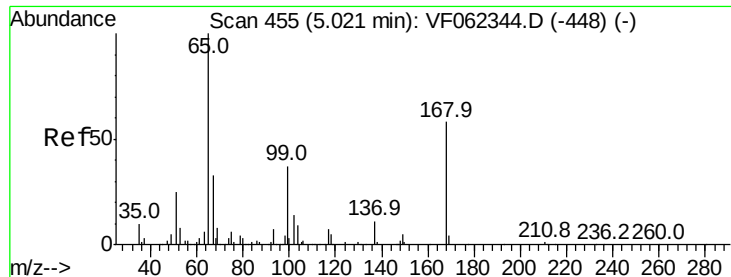
1000

0

2.20 2.30 2.40 2.50

Time-->





#33

1,2-Dichloroethane-d4

Concen: 114.699 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062499.D

Acq: 12 May 2019 13:25

Instrument :

MSVOA_F

ClientSampleId :

P021-SS004-1218-01

Tot Ion: 65 Resp: 107584

Ion Ratio Lower Upper

65 100

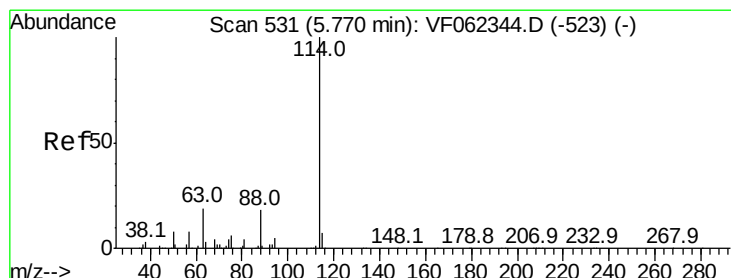
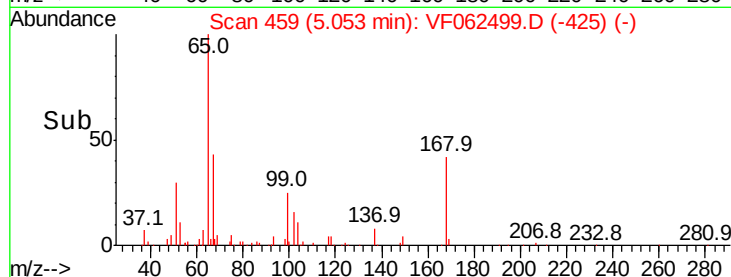
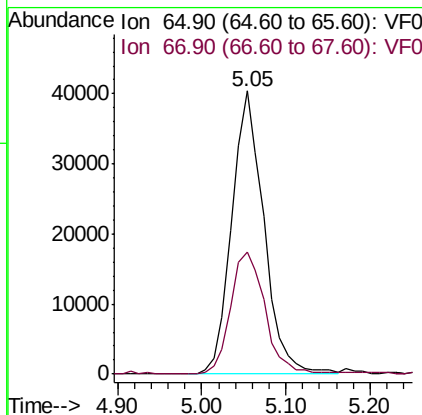
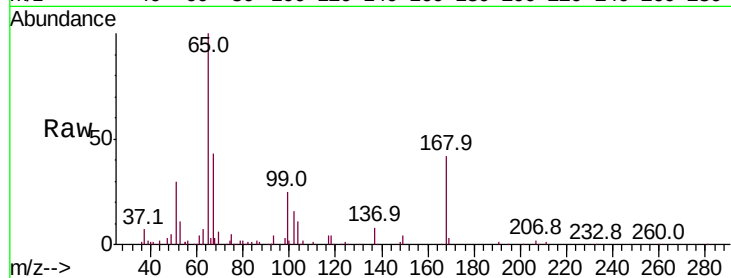
67 46.5 0.0 85.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062499.D

Acq: 12 May 2019 13:25

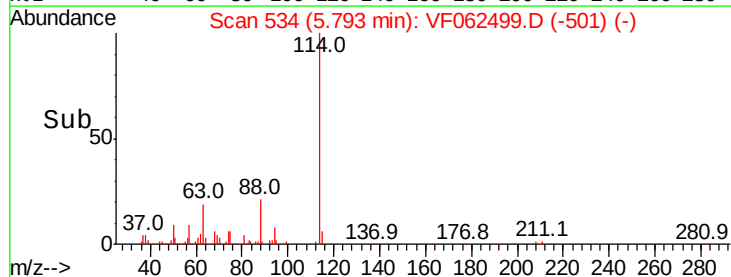
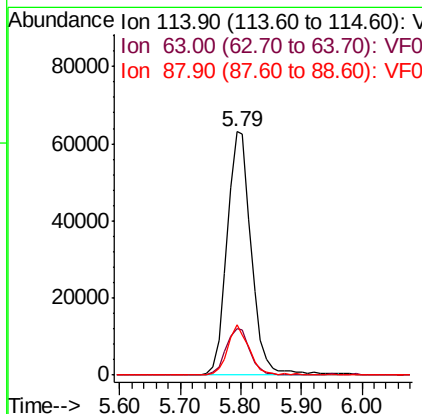
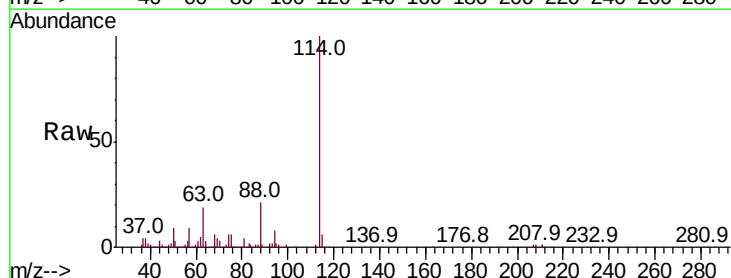
Tgt Ion:114 Resp: 175351

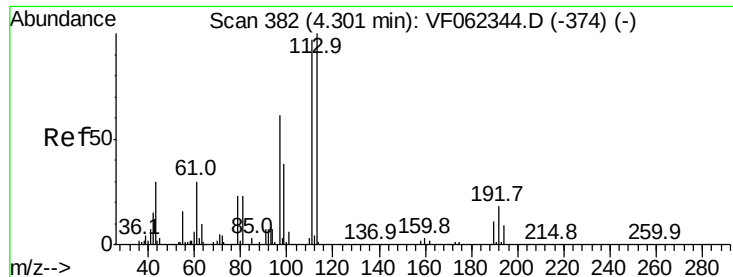
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 20.6 0.0 36.4





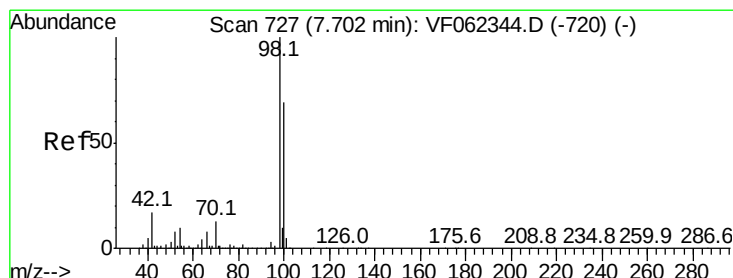
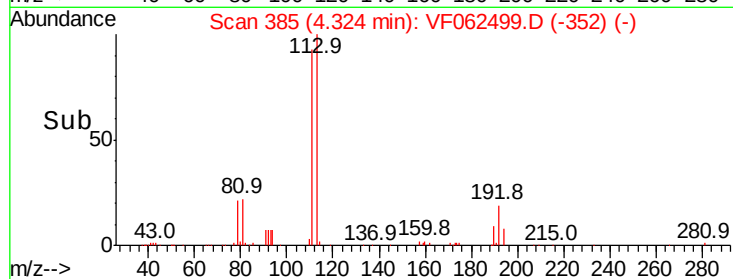
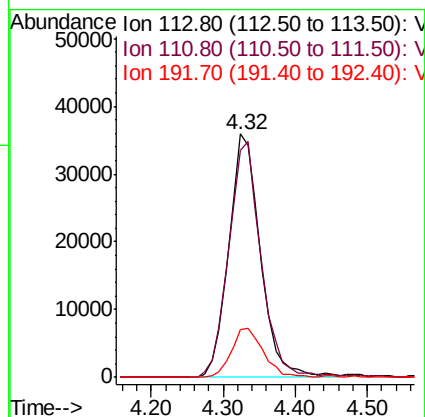
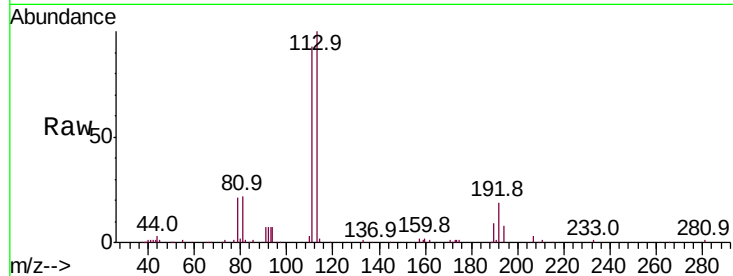
#35
 Dibromofluoromethane
 Concen: 78.569 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062499.D
 Acq: 12 May 2019 13:25

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS004-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109760		
111	98.9		79.4	119.0
192	20.4		16.0	24.0

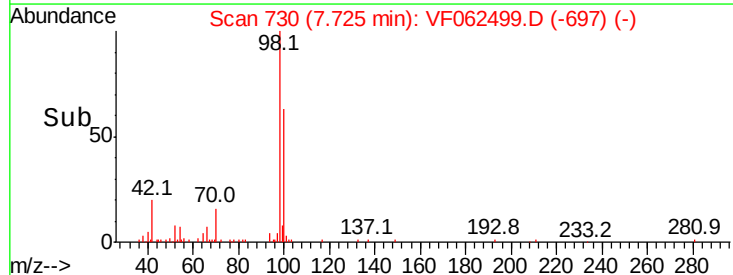
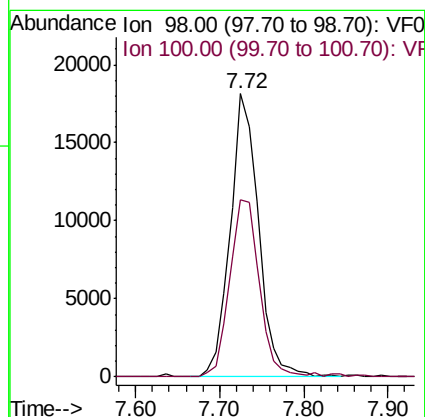
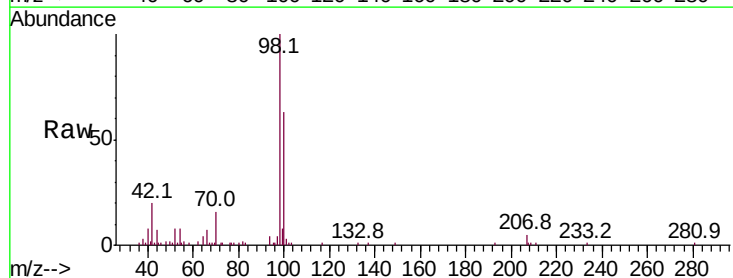
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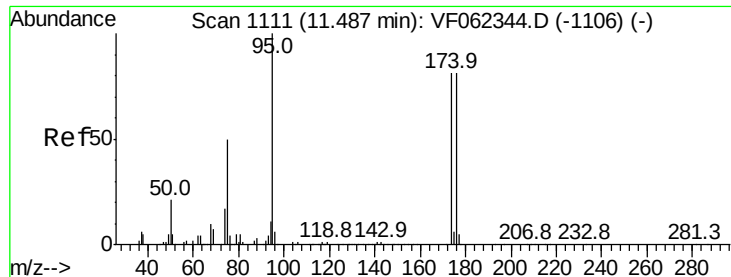
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#50
 Toluene-d8
 Concen: 12.575 ug/l
 RT: 7.72 min Scan# 730
 Delta R.T. 0.02 min
 Lab File: VF062499.D
 Acq: 12 May 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	42523		
100	65.7		53.3	79.9





#62

4-Bromofluorobenzene

Concen: 25.031 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062499.D

Acq: 12 May 2019 13:25

Instrument :

MSVOA_F

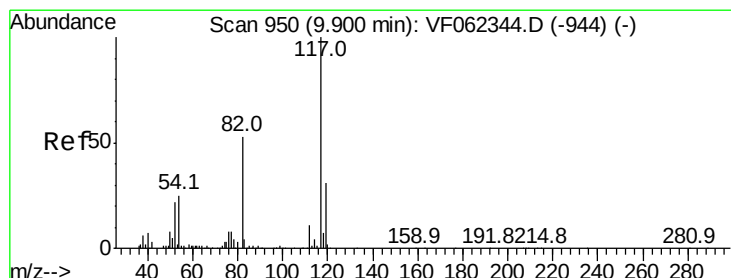
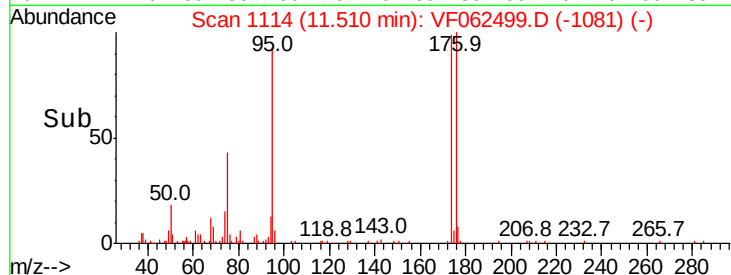
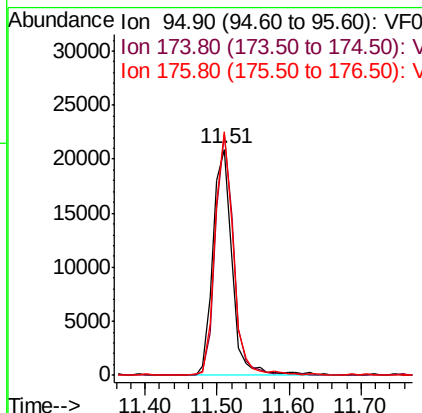
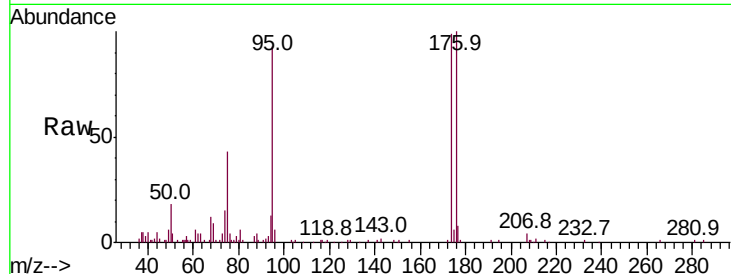
ClientSampleId :

P021-SS004-1218-01

Tot Ion:	95	Resp:	38189
Ion Ratio	Lower	Upper	
95	100		
174	99.5	0.0	191.8
176	101.6	0.0	193.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

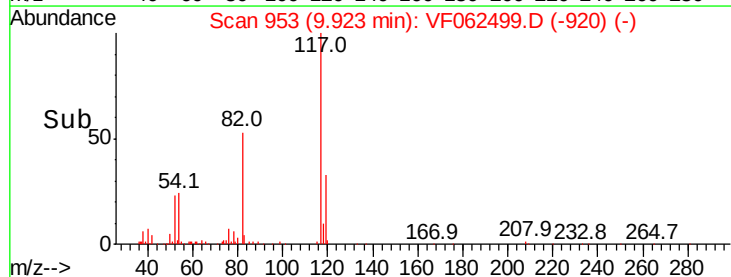
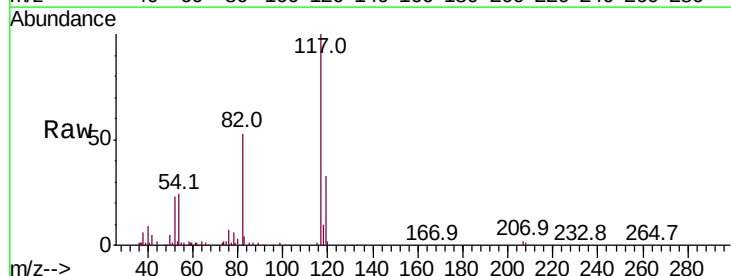
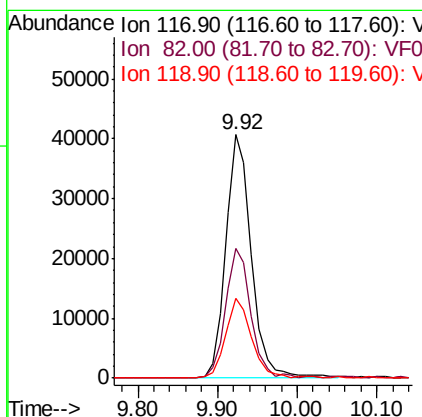
RT: 9.92 min Scan# 953

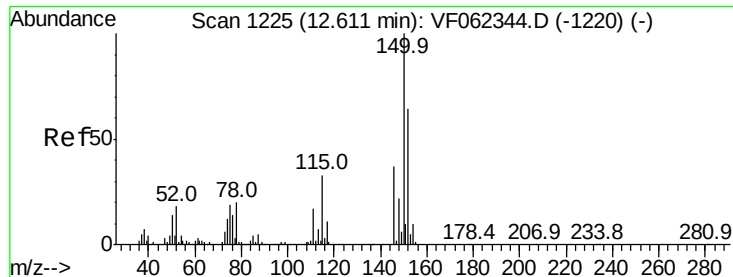
Delta R.T. 0.02 min

Lab File: VF062499.D

Acq: 12 May 2019 13:25

Tgt Ion:	117	Resp:	91920
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.2	63.2
119	32.8	25.0	37.4





#72

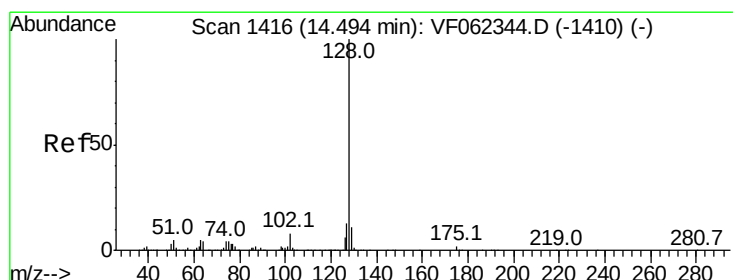
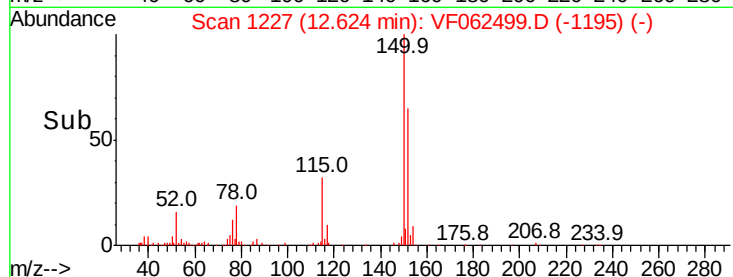
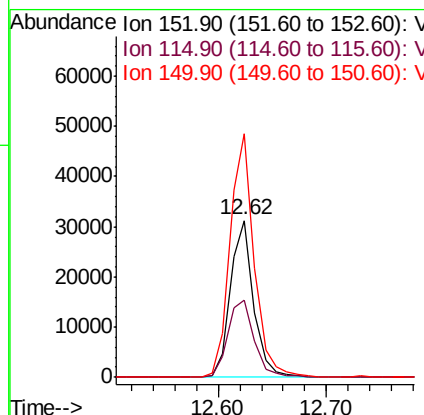
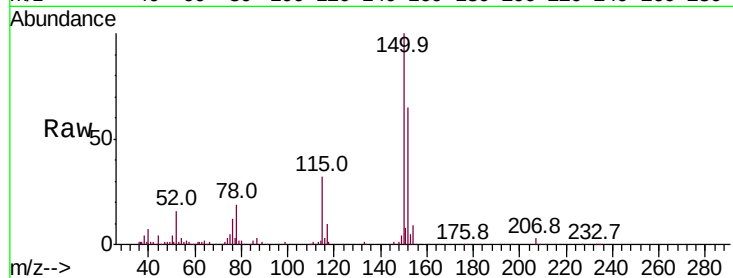
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062499.D
Acq: 12 May 2019 13:25

Instrument :
MSVOA_F
ClientSampleId :
P021-SS004-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	26.4	79.2
150	159.1	0.0	335.0

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#95

Naphthalene
Concen: 6.573 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF062499.D
Acq: 12 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.5	15.7
129	9.9	8.6	12.8

