

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061795.D
 Acq On : 28 Feb 2019 18:50
 Operator : VA/AP
 Sample : K1647-03
 Misc : 4.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 44766

Manual Integrations
 APPROVED

MMDadoda
 3/2/2019 4:09:51 AM

Quant Time: Mar 01 00:46:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	328411	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	487512	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	392952	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	173990	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	105106	43.64	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	87.28%	
35) Dibromofluoromethane	4.10	113	160308	44.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.56%	
50) Toluene-d8	7.54	98	394741	37.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.86%	
62) 4-Bromofluorobenzene	11.40	95	152961	36.32	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	72.64%	
Target Compounds						
16) Acetone	2.23	43	12671	24.522	ug/l #	87
20) Methylene Chloride	2.18	84	21134m	5.384	ug/l	

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

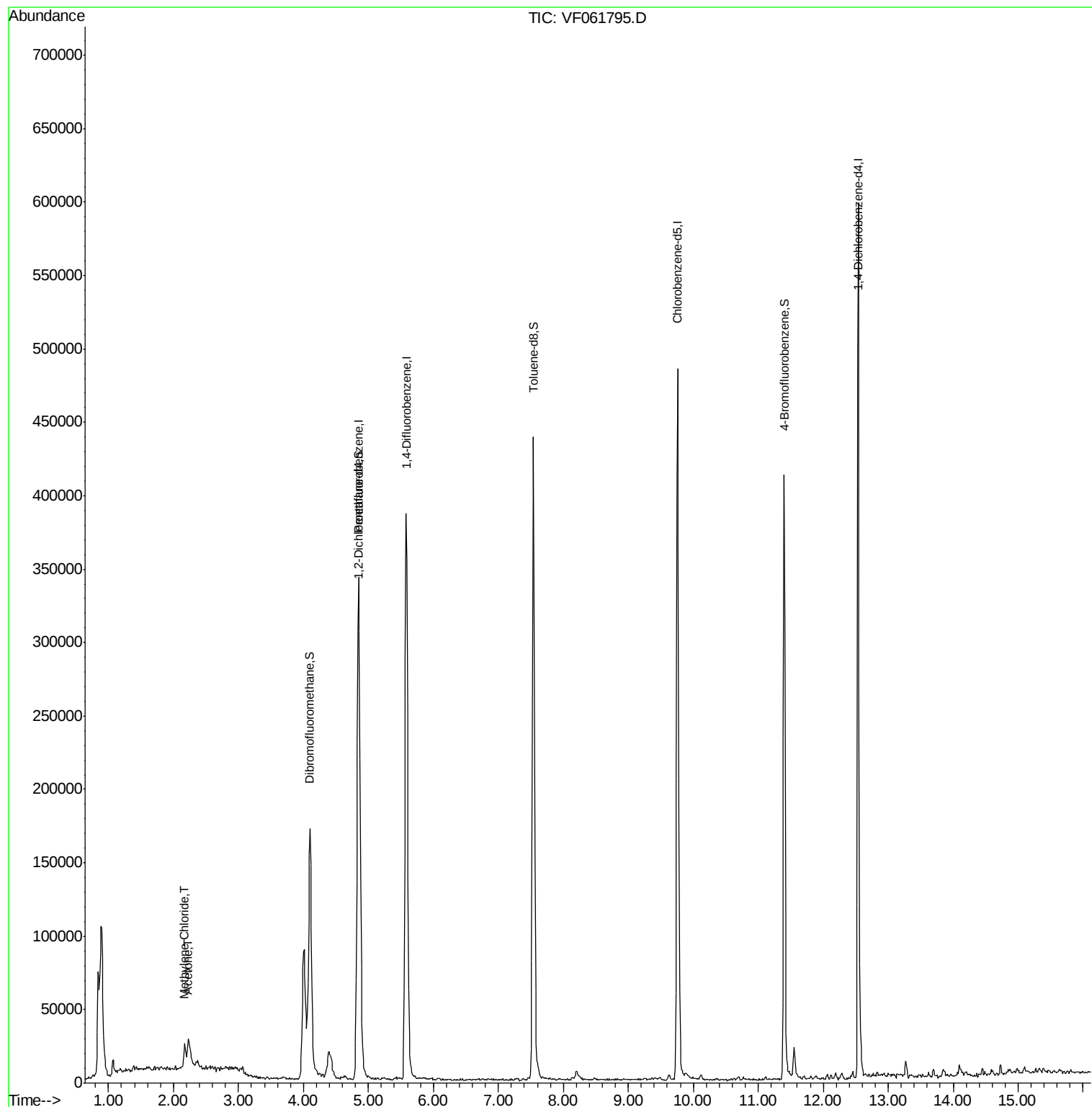
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022819\
Data File : VF061795.D
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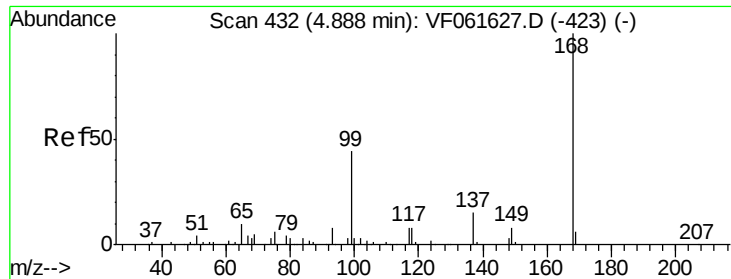
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

44766

Tot Ion:168 Resp: 328411

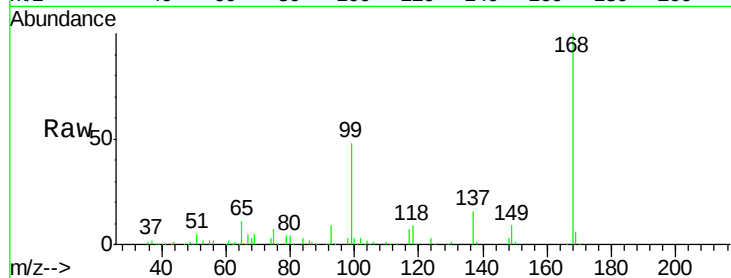
Ion Ratio Lower Upper

168 100

99 48.3 34.9 52.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

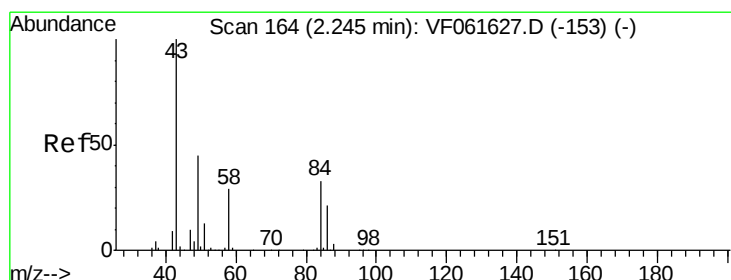
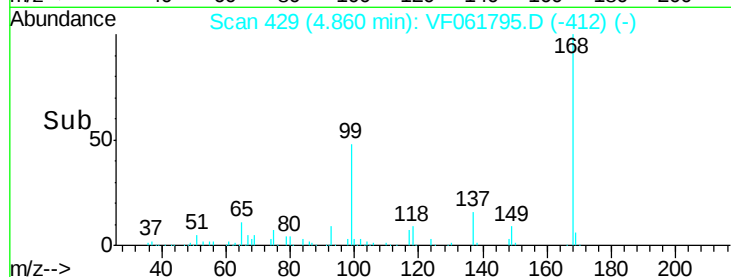
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 24.522 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061795.D

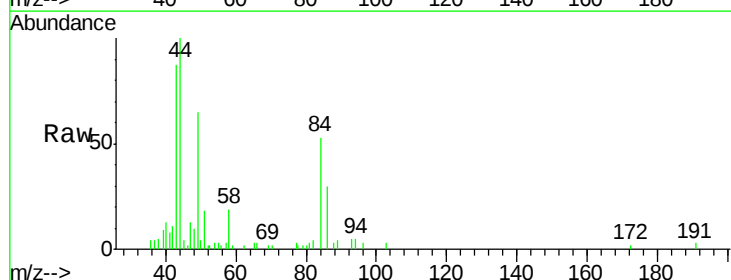
Acq: 28 Feb 2019 18:50

Tgt Ion: 43 Resp: 12671

Ion Ratio Lower Upper

43 100

58 21.6 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

5000

4000

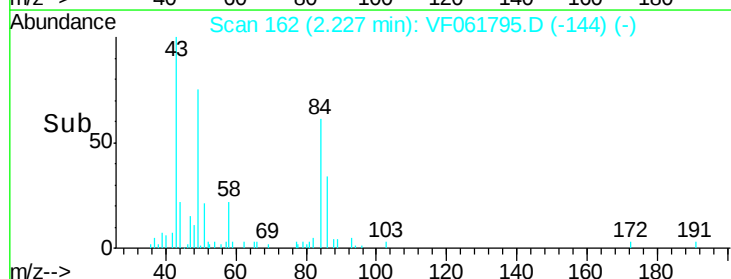
3000

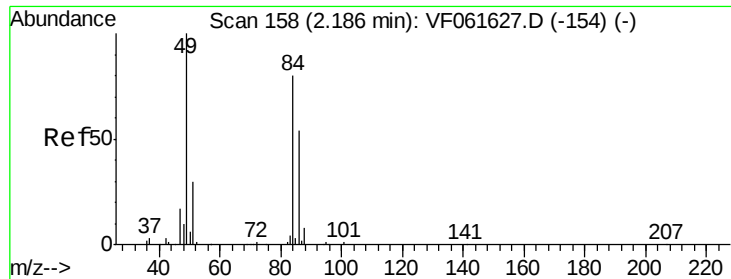
2000

1000

0

Time-->





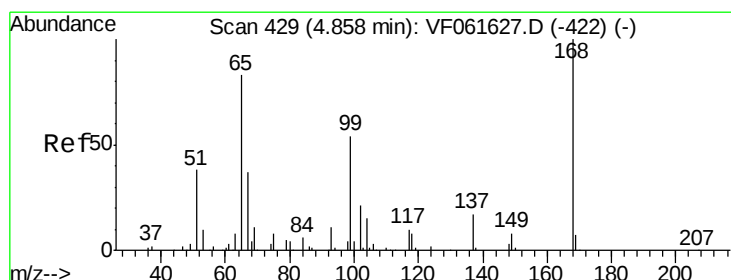
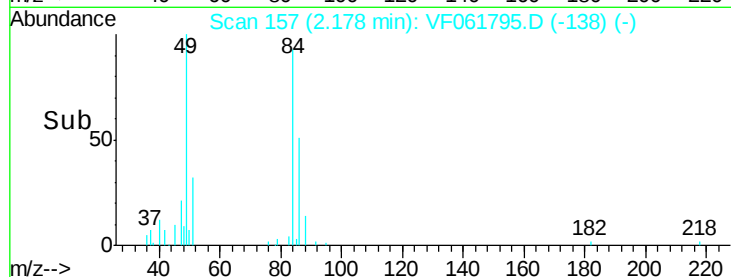
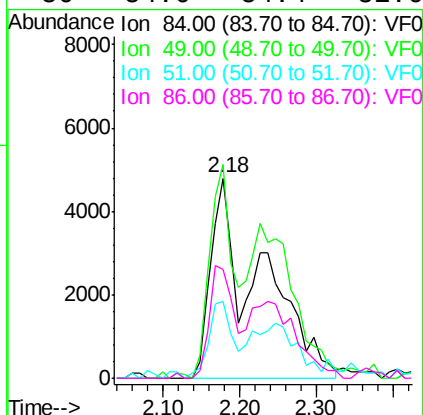
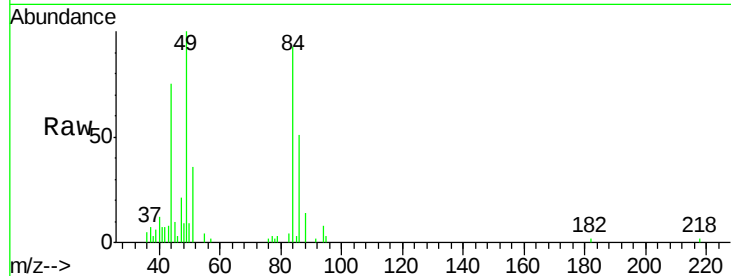
#20
Methvlene Chloride
Concen: 5.384 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
44766

Tot Ion	Ratio	Lower	Upper
84	100		
49	107.0	101.8	152.8
51	38.6	31.1	46.7
86	54.6	54.4	81.6

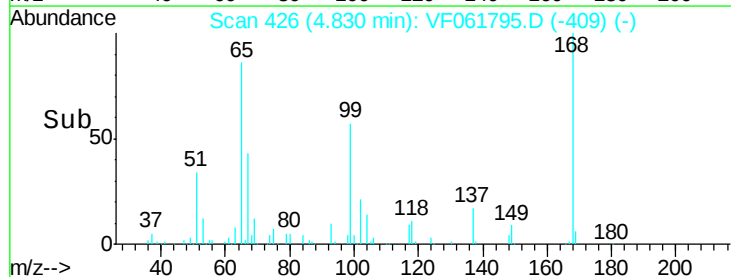
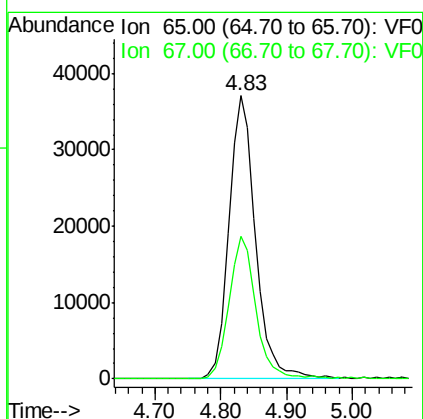
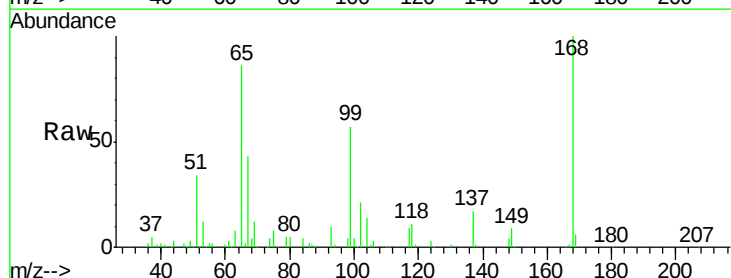
Manual Integrations
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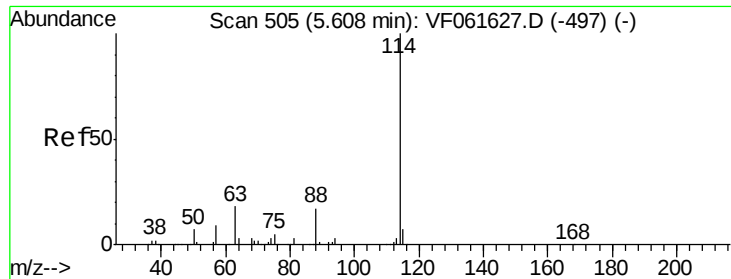
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#33
1,2-Dichloroethane-d4
Concen: 43.644 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

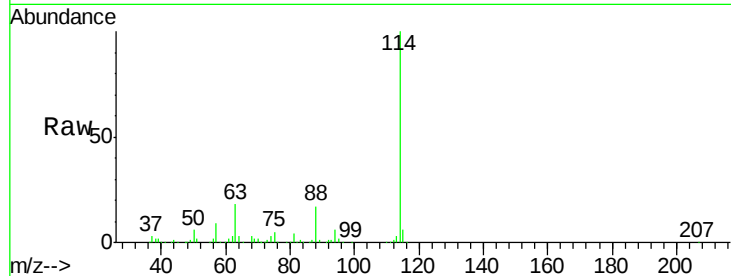
ClientSampleId :

44766

Tot Ion	Ratio	Resp	Lower	Upper
114	100	487512		
63	17.7	0.0	36.6	
88	17.4	0.0	34.4	

Manual Integrations
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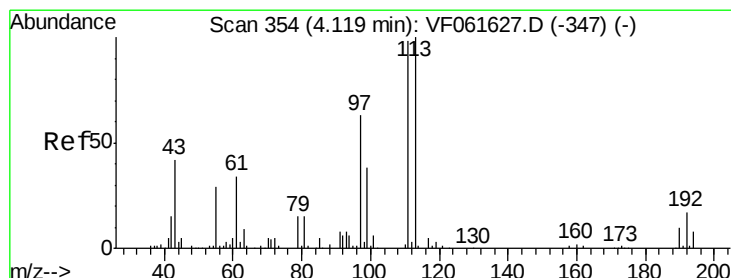
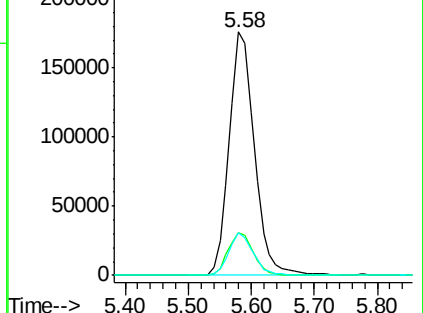
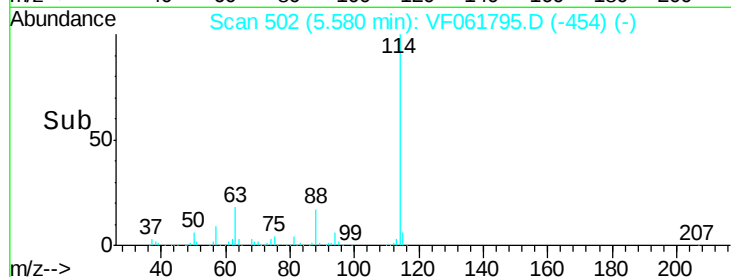
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 44.280 ug/l

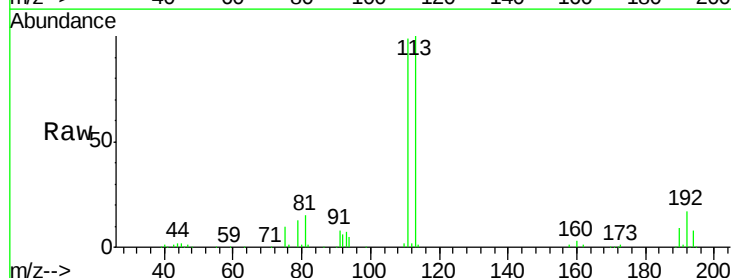
RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

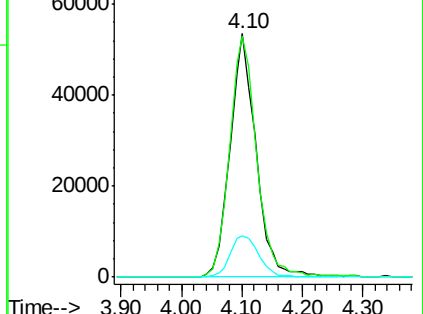
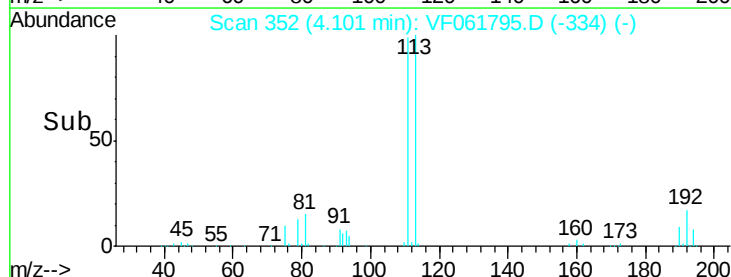
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	160308		
111	98.9	78.8	118.2	
192	16.8	13.4	20.0	

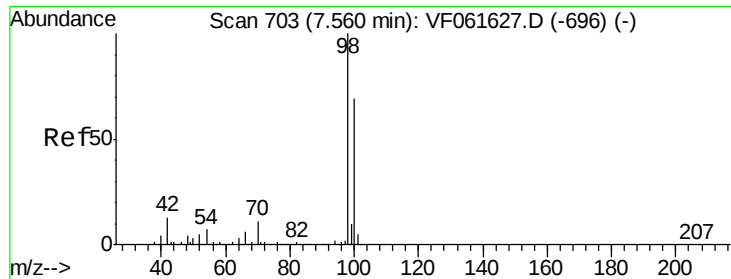


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.929 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

44766

Tot Ion: 98 Resp: 394741

Ion Ratio Lower Upper

98 100

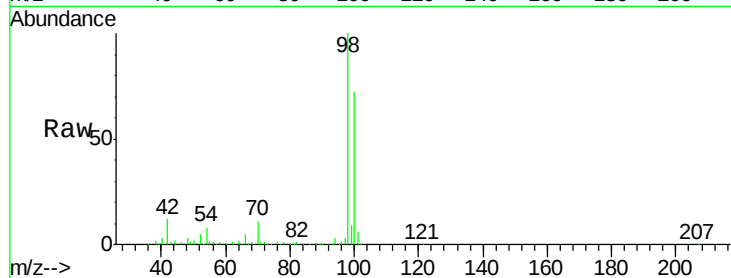
100 71.7 55.4 83.2

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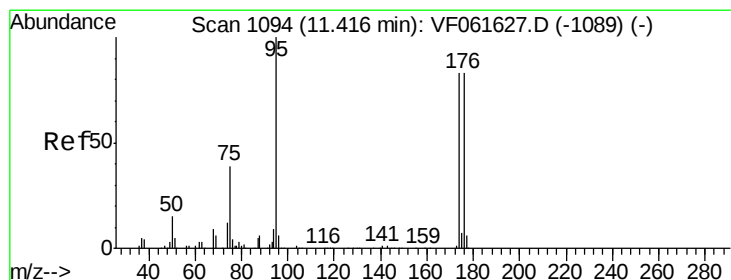
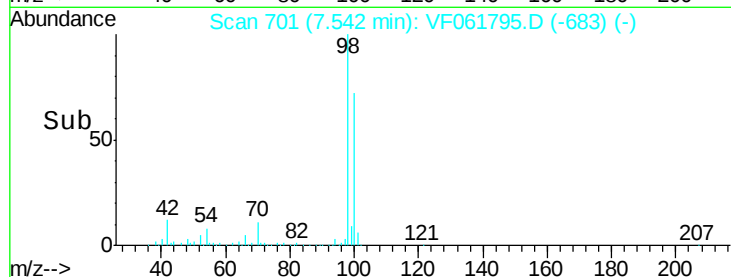
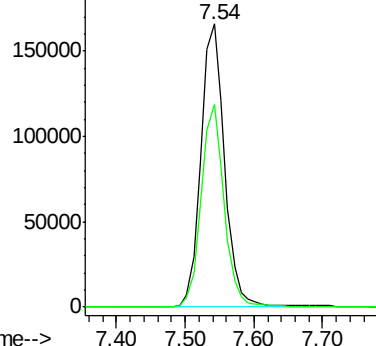
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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 36.324 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

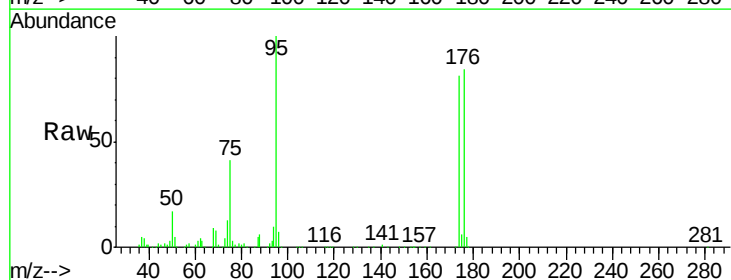
Tgt Ion: 95 Resp: 152961

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.8

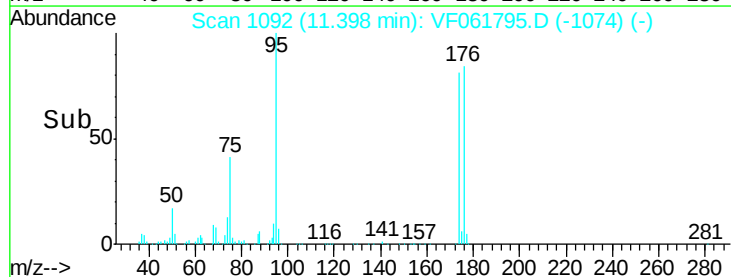
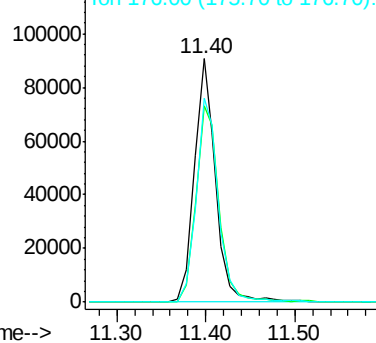
176 83.8 0.0 167.0

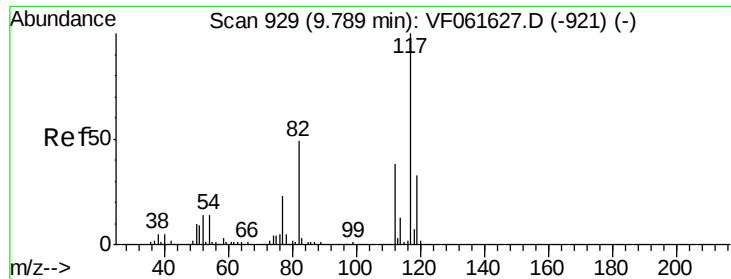


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





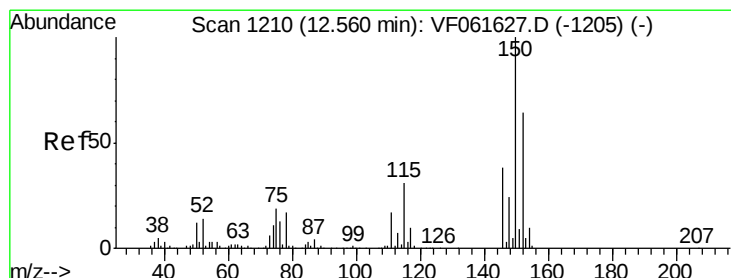
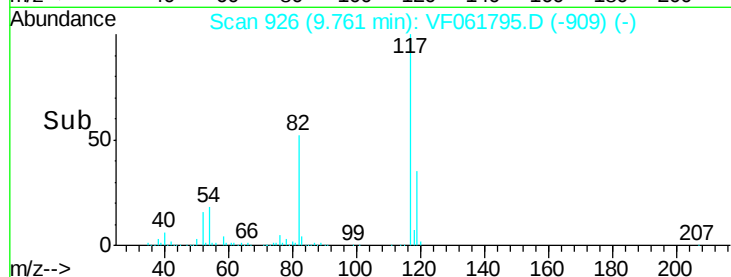
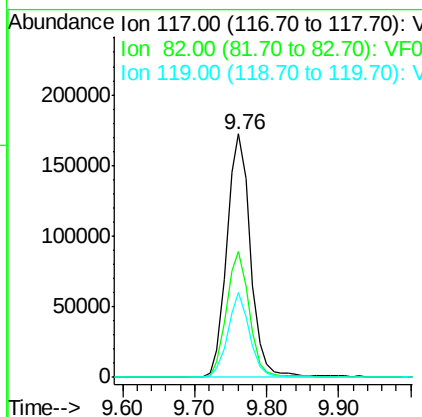
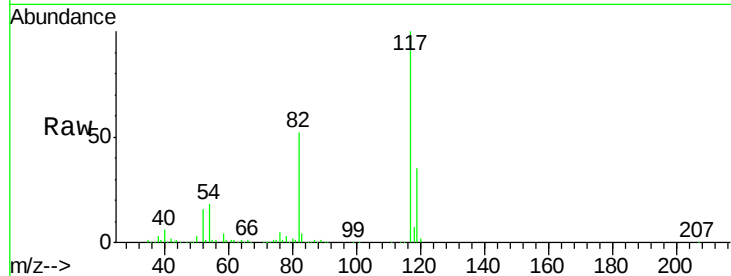
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

Instrument :
MSVOA_F
ClientSampleId :
44766

Tot Ion	Ratio	Resp	Lower	Upper
117	100	392952		
82	51.6		39.3	58.9
119	34.9		26.6	40.0

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	173990		
115	50.9		24.3	72.8
150	155.2		0.0	312.0

