

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061812.D
 Acq On : 1 Mar 2019 19:46
 Operator : VA/AP
 Sample : K1675-17
 Misc : 5.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-4-A-B

Manual Integrations
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 3/4/2019 4:01:54 PM

Quant Time: Mar 02 03:27:33 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	4.85	168	300202	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	448090	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	345743	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	146748	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	99099	45.02	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.04%	
35) Dibromofluoromethane	4.10	113	146747	44.10	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.20%	
50) Toluene-d8	7.54	98	347373	36.31	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.62%	
62) 4-Bromofluorobenzene	11.40	95	132867	34.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	68.66%	
Target Compounds						
16) Acetone	2.23	43	15021	31.802	ug/l #	85
20) Methylene Chloride	2.17	84	38554m	13.387	ug/l	
52) Toluene	7.61	92	33026	4.690	ug/l	99
64) Tetrachloroethene	8.15	164	6802	2.407	ug/l #	80

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

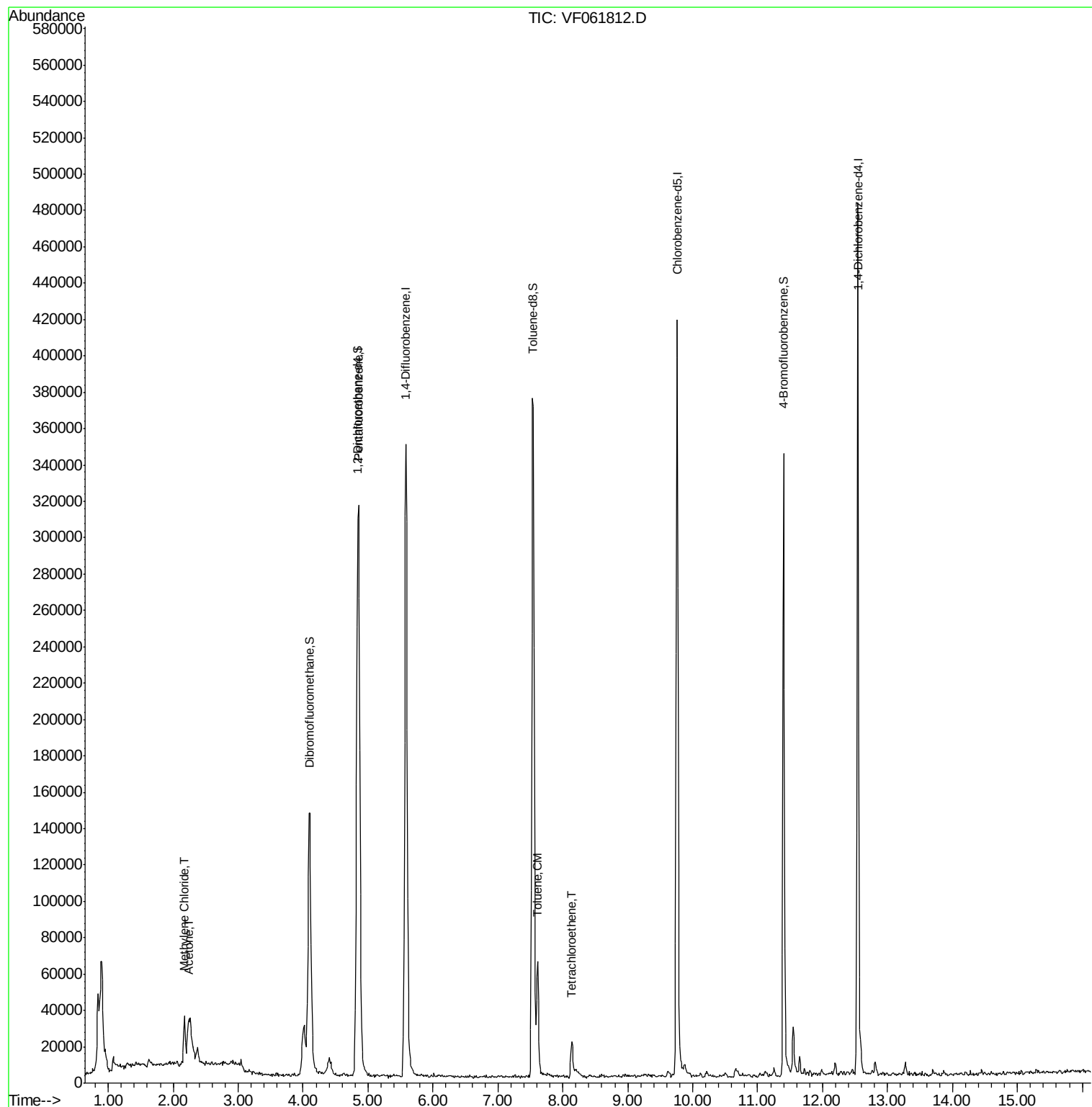
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
Data File : VF061812.D
Acq On : 1 Mar 2019 19:46
Operator : VA/AP
Sample : K1675-17
Misc : 5.27g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

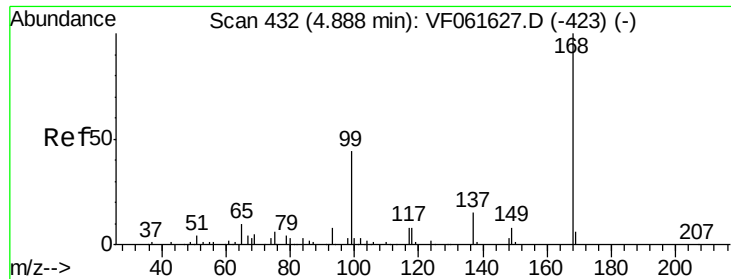
Instrument :
MSVOA_F
ClientSampleId :
Z-4-A-B

Manual Integrations
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3/4/2019 4:01:54 PM

Quant Time: Mar 02 03:27:33 2019
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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061812.D

Acq: 1 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

Z-4-A-B

Tot Ion:168 Resp: 300202

Ion Ratio Lower Upper

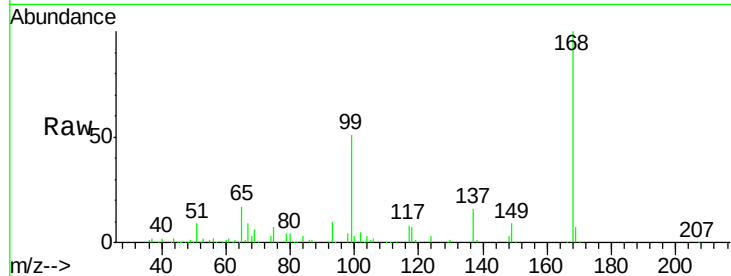
168 100

99 51.3 34.9 52.3

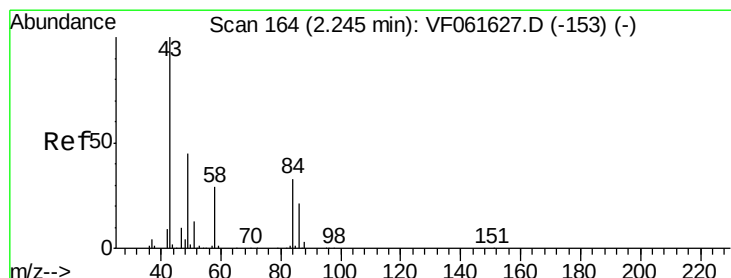
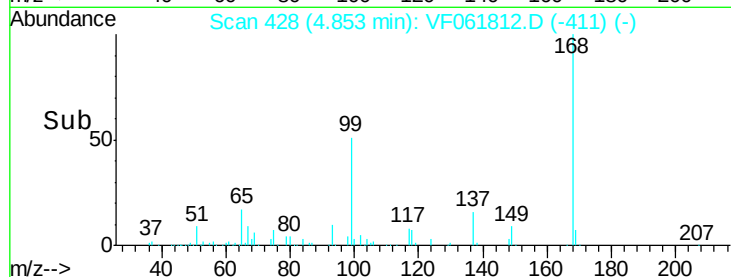
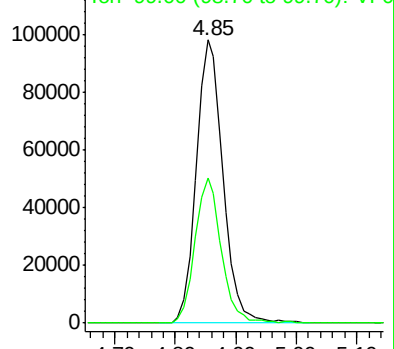
Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 31.802 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061812.D

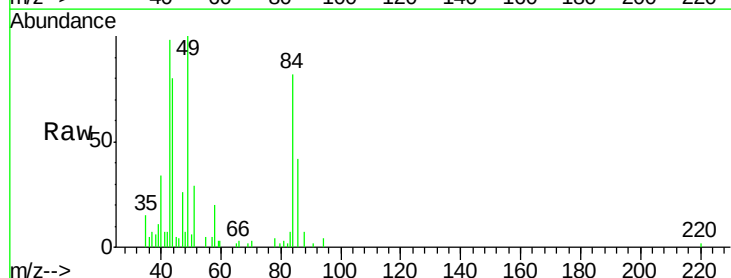
Acq: 1 Mar 2019 19:46

Tgt Ion: 43 Resp: 15021

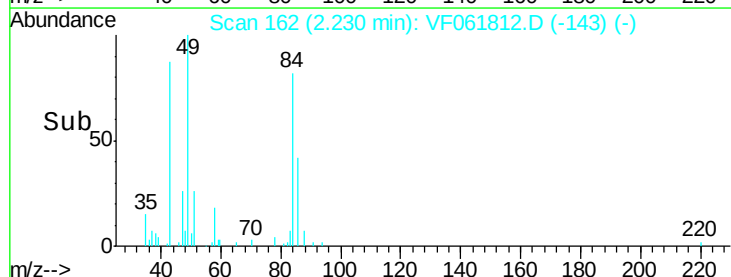
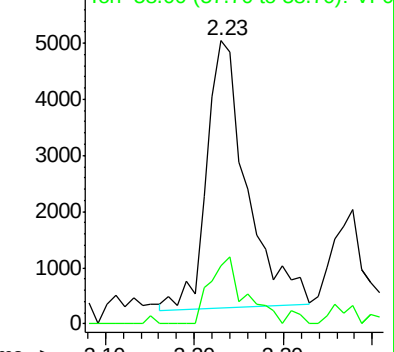
Ion Ratio Lower Upper

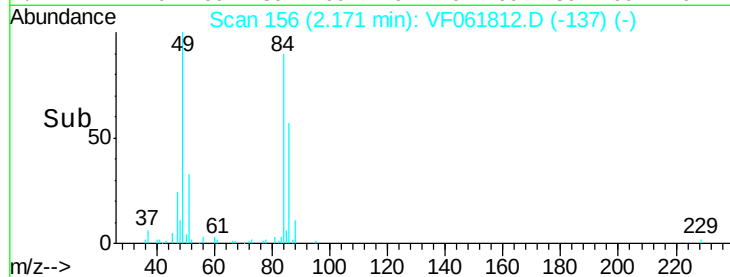
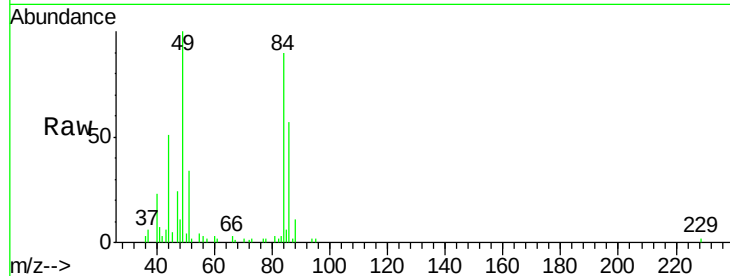
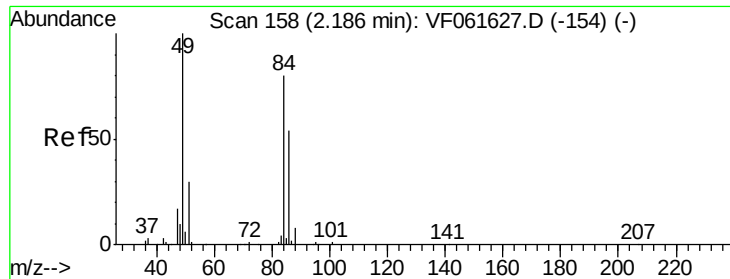
43 100

58 20.7 22.9 34.3#



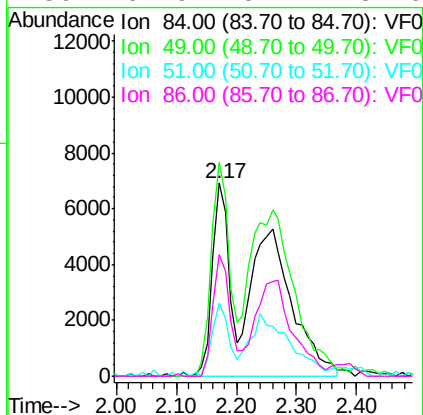
Abundance Ion 43.00 (42.70 to 43.70): VF0





#20
Methylene Chloride
Concen: 13.387 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061812.D
Acq: 1 Mar 2019 19:46

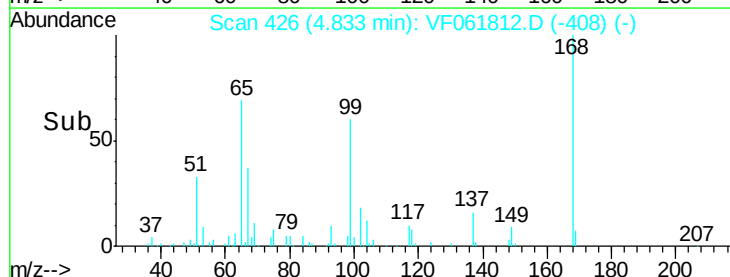
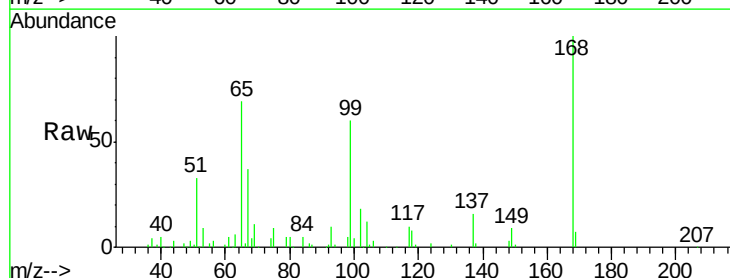
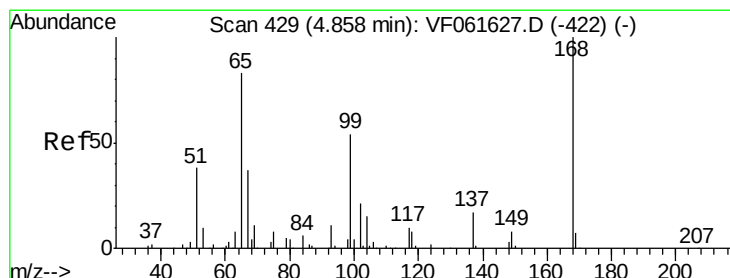
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	110.6	101.8	152.8		
51	38.0	31.1	46.7		
86	62.9	54.4	81.6		



Instrument :
MSVOA_F
ClientSampleId :
Z-4-A-B

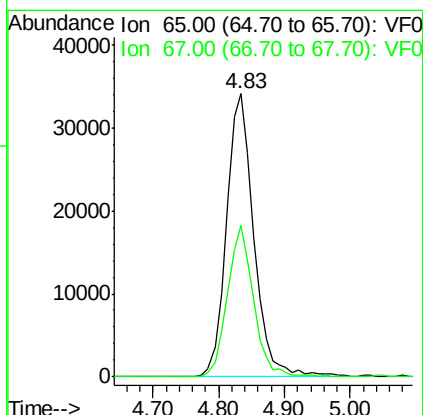
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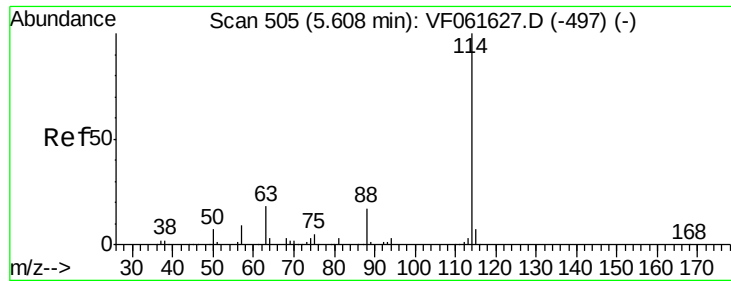
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#33
1,2-Dichloroethane-d4
Concen: 45.016 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061812.D
Acq: 1 Mar 2019 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
67	53.5	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: VF061812.D

Acq: 1 Mar 2019 19:46

Instrument :

MSVOA_F

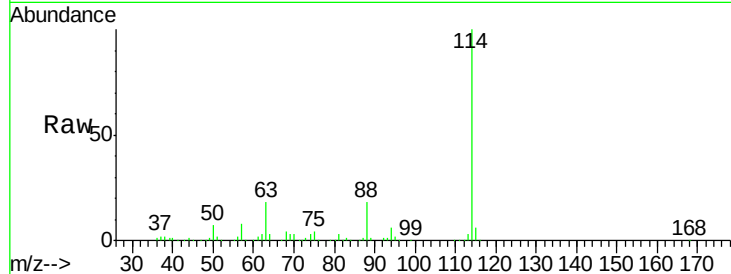
ClientSampleId :

Z-4-A-B

Tot Ion:	114	Resp:	448090
Ion Ratio	Lower	Upper	
114	100		
63	17.8	0.0	36.6
88	17.8	0.0	34.4

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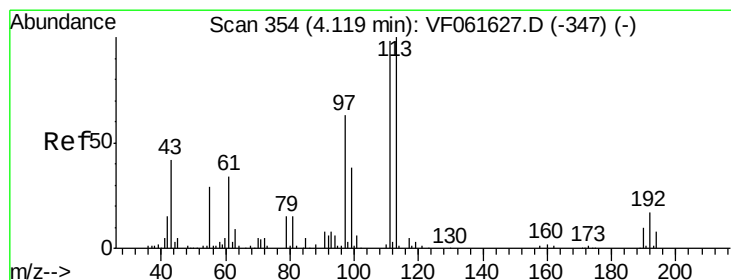
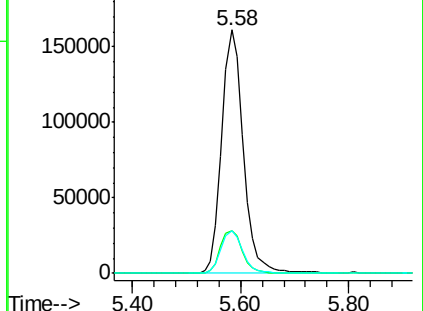
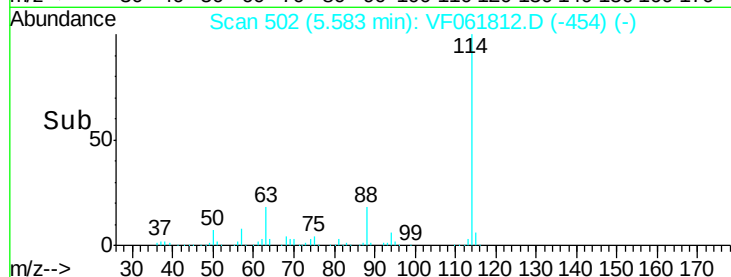
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 44.101 ug/l

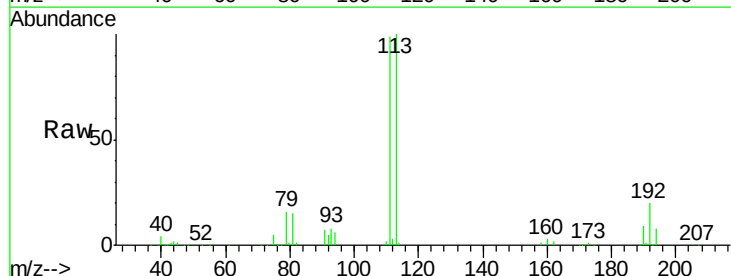
RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061812.D

Acq: 1 Mar 2019 19:46

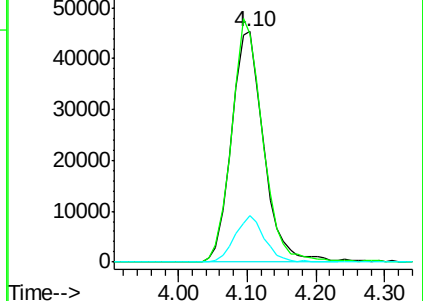
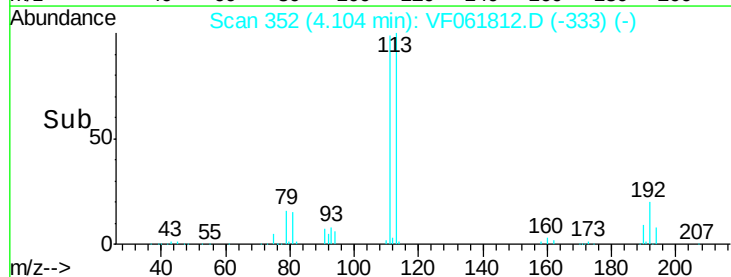
Tgt Ion:	113	Resp:	146747
Ion Ratio	Lower	Upper	
113	100		
111	99.4	78.8	118.2
192	20.0	13.4	20.0

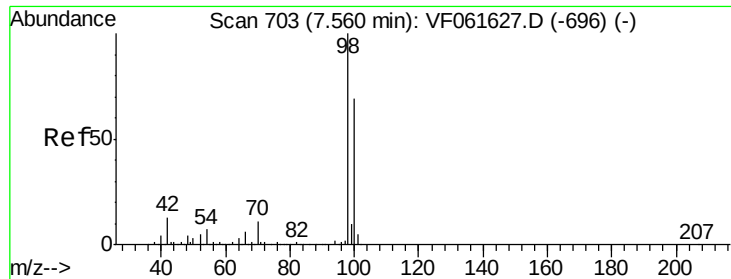


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





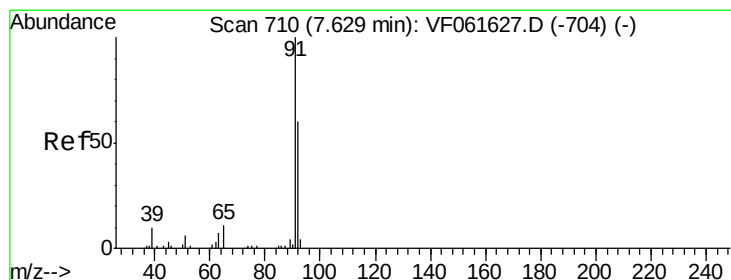
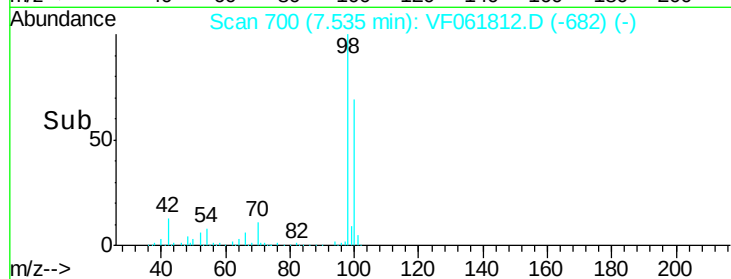
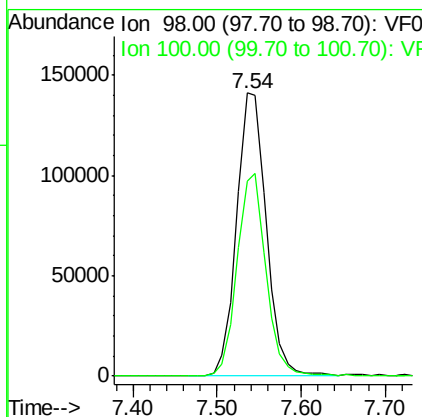
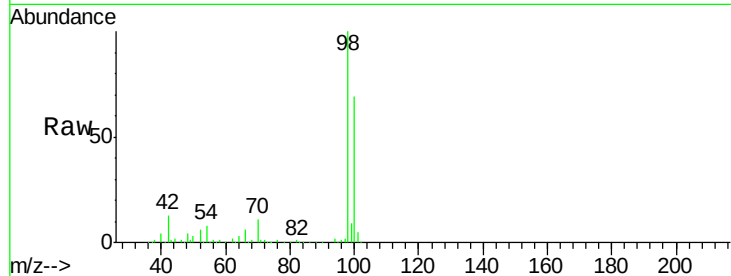
#50
Toluene-d8
Concen: 36.314 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061812.D
Acq: 1 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
Z-4-A-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100		347373		
100	69.1	55.4	83.2		

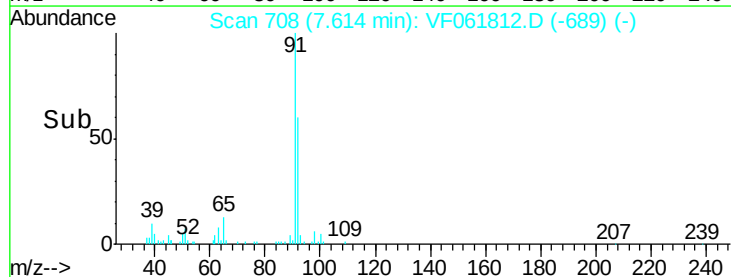
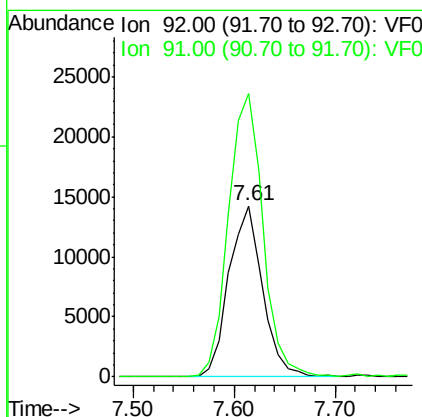
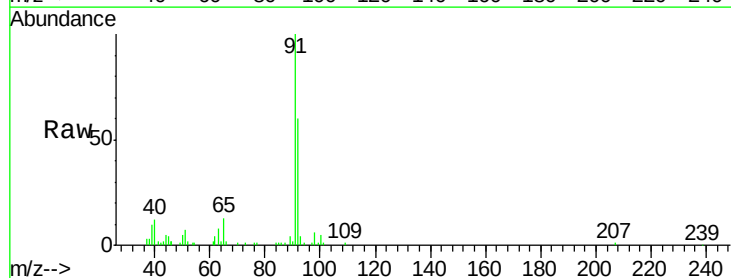
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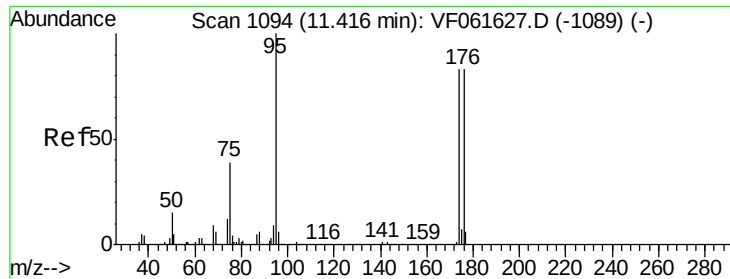
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3/4/2019 4:01:54 PM



#52
Toluene
Concen: 4.690 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061812.D
Acq: 1 Mar 2019 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
92	100		33026		
91	165.4	133.9	200.9		





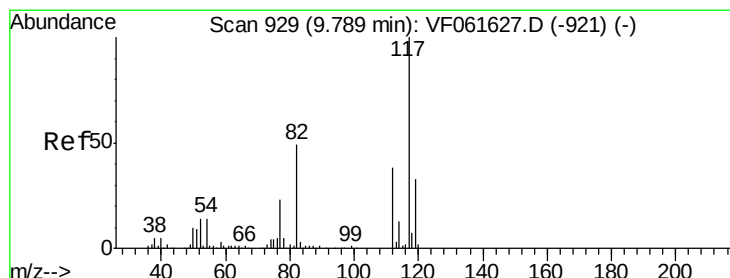
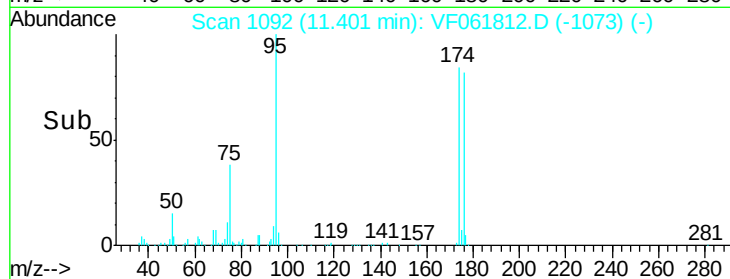
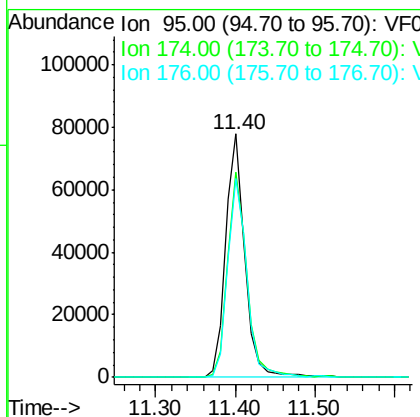
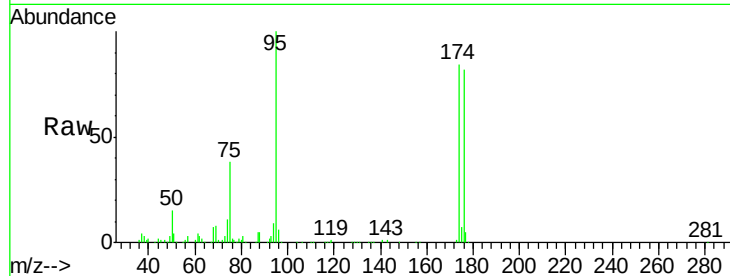
#62
4-Bromofluorobenzene
Concen: 34.328 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061812.D
Acq: 1 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampled :
Z-4-A-B

Tot Ion	Ratio	Resp	Lower	Upper
95	100	132867		
174	84.4	0.0	165.8	
176	81.7	0.0	167.0	

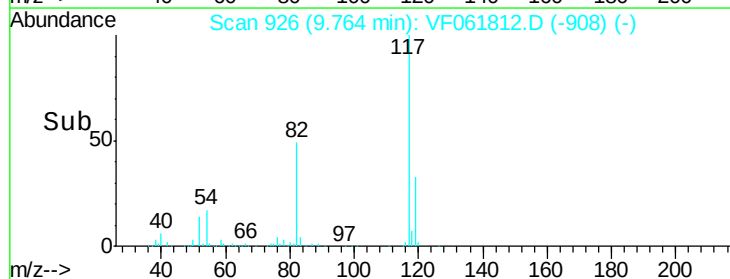
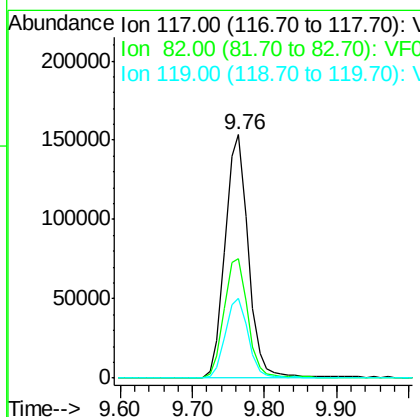
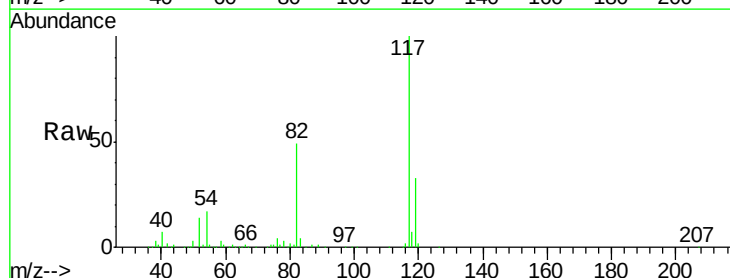
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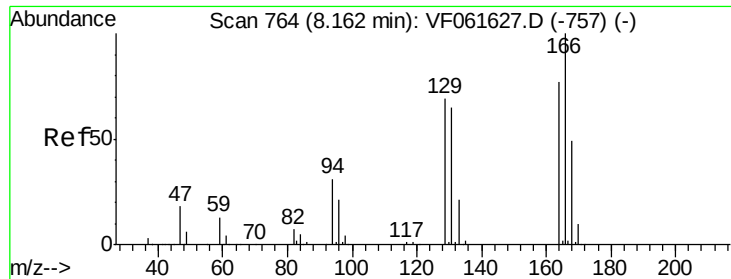
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061812.D
Acq: 1 Mar 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	345743		
82	49.2	39.3	58.9	
119	32.9	26.6	40.0	





#64

Tetrachloroethene

Concen: 2.407 ug/l

RT: 8.15 min Scan# 762

Delta R.T. -0.02 min

Lab File: VF061812.D

Acq: 1 Mar 2019 19:46

Instrument :

MSVOA_F

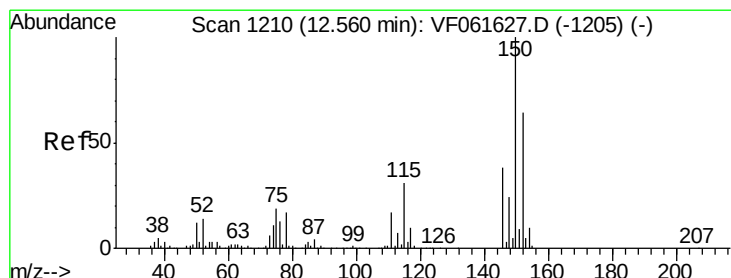
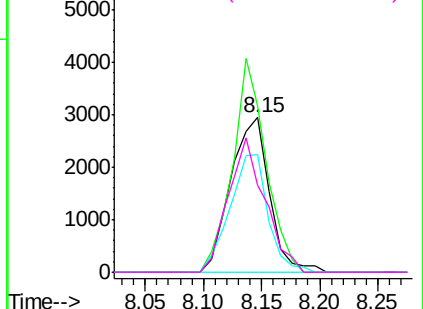
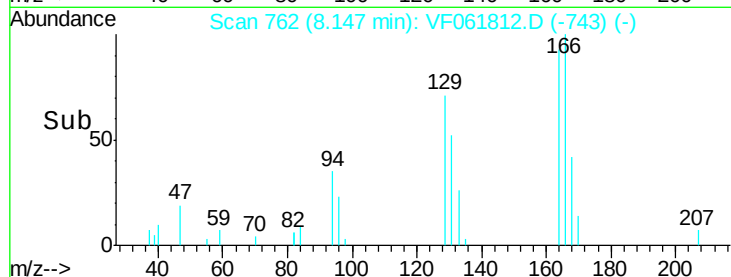
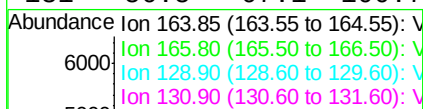
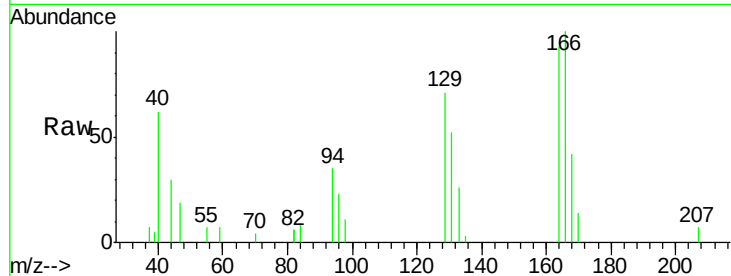
ClientSampleId :

Z-4-A-B

Tot Ion:	164	Resp:	6802
Ion	Ratio	Lower	Upper
164	100		
166	107.8	103.9	155.9
129	76.6	71.3	106.9
131	56.5	67.1	100.7#

Manual Integrations
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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: VF061812.D

Acq: 1 Mar 2019 19:46

Tgt Ion:	152	Resp:	146748
Ion	Ratio	Lower	Upper
152	100		
115	48.7	24.3	72.8
150	153.5	0.0	312.0

