

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062119.D
 Acq On : 23 Mar 2019 16:08
 Operator : VA/AP
 Sample : K2045-05
 Misc : 6.60g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(23-25)

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:40:43 PM

Quant Time: Mar 25 04:12:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	226590	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	371690	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	319818	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	152655	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	88355	52.42	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.84%	
35) Dibromofluoromethane	4.12	113	125448	49.89	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.78%	
50) Toluene-d8	7.56	98	304636	40.59	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	81.18%	
62) 4-Bromofluorobenzene	11.41	95	127869	44.13	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.26%	
Target Compounds						
4) Vinyl Chloride	1.14	62	299547	106.620	ug/l	97
12) 1,1-Dichloroethene	1.80	96	9726	4.453	ug/l	96
16) Acetone	2.24	43	13908	39.209	ug/l	96
20) Methylene Chloride	2.18	84	15408m	4.288	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	11621	5.530	ug/l #	80
24) 1,1-Dichloroethane	2.88	63	8195	2.235	ug/l #	94
27) cis-1,2-Dichloroethene	3.48	96	462134	165.951	ug/l	97
44) Trichloroethene	5.51	130	58418	20.132	ug/l	97

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

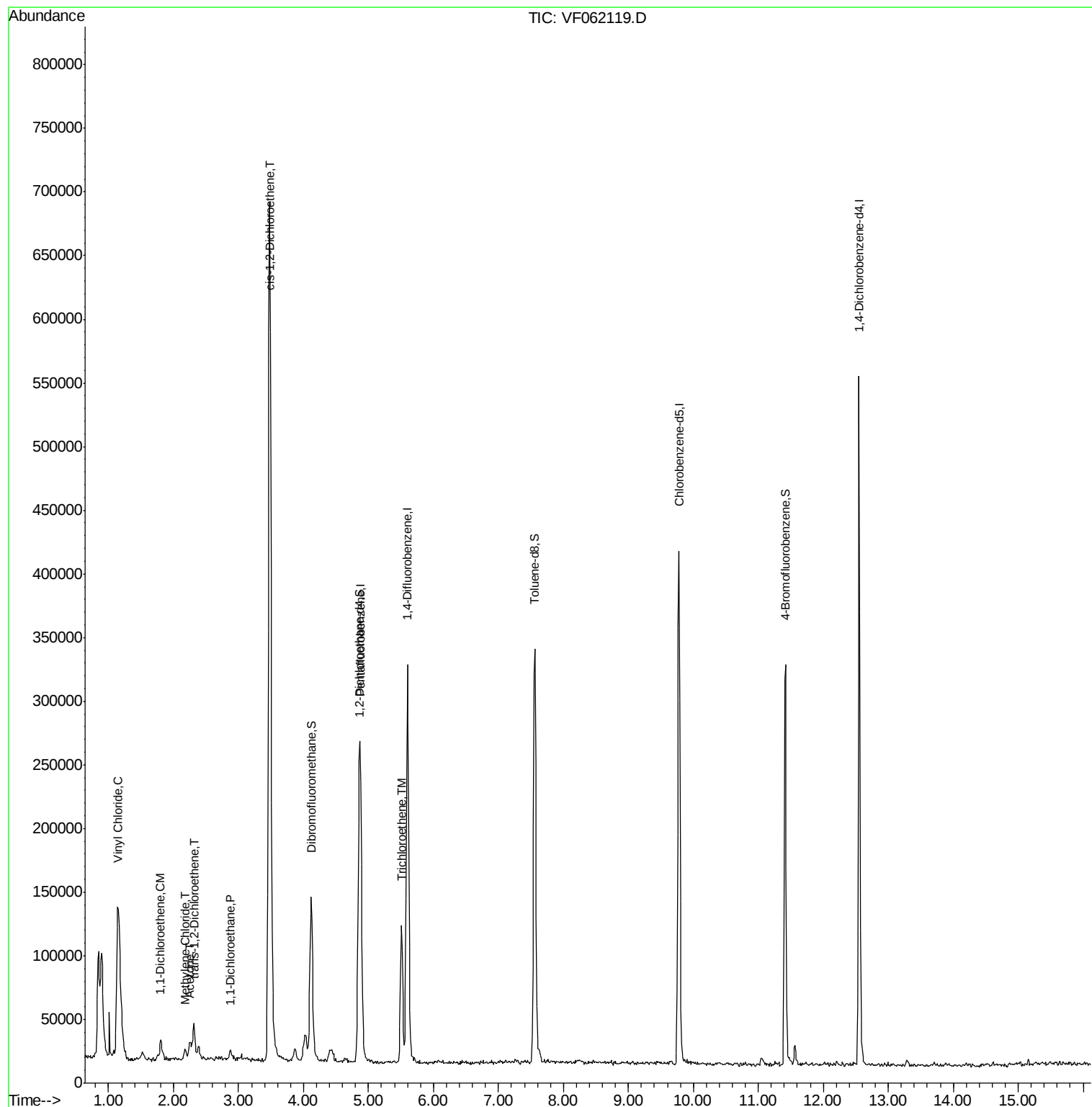
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062119.D
Acq On : 23 Mar 2019 16:08
Operator : VA/AP
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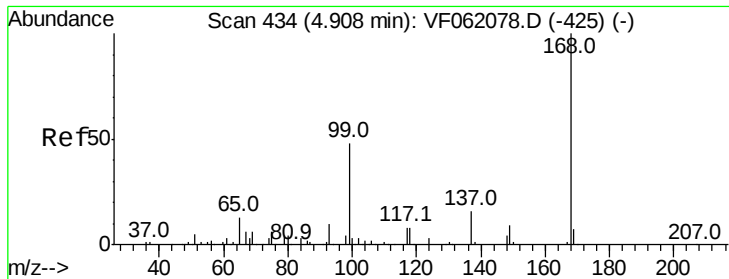
Instrument :
MSVOA_F
ClientSampleId :
WP022SB439-190318-(23-25)

Manual Integrations
APPROVED

MMDadoda
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#1

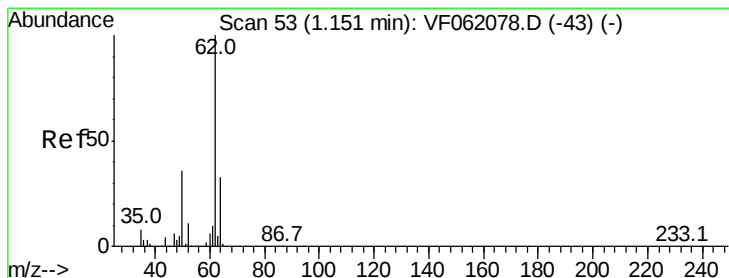
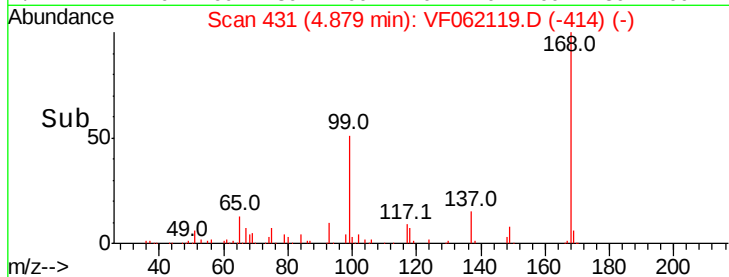
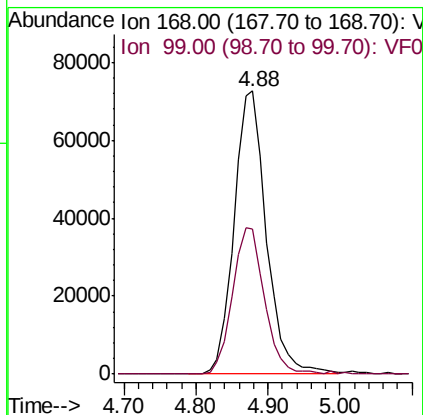
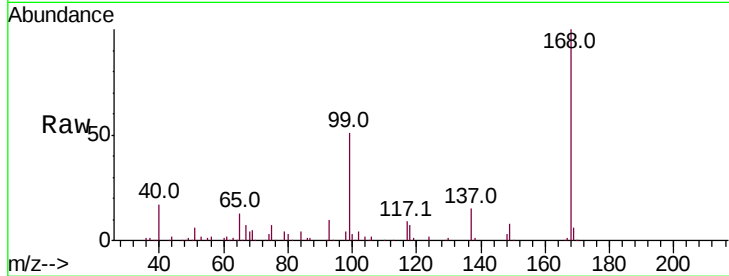
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. -0.03 min
 Lab File: VF062119.D
 Acq: 23 Mar 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(23-25)

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.5	38.2	57.4

Manual Integrations
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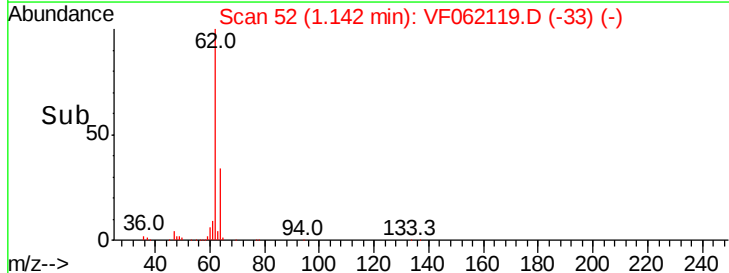
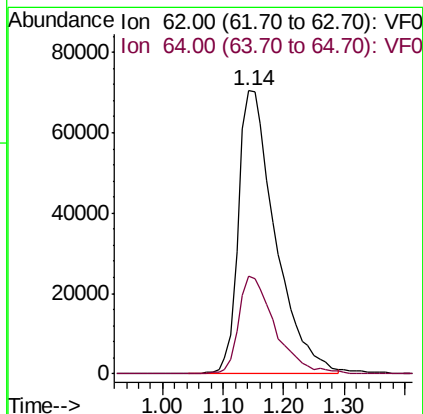
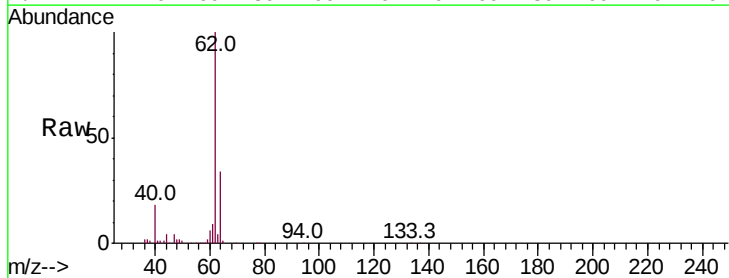
MMDadoda
 3/25/2019 12:40:43 PM

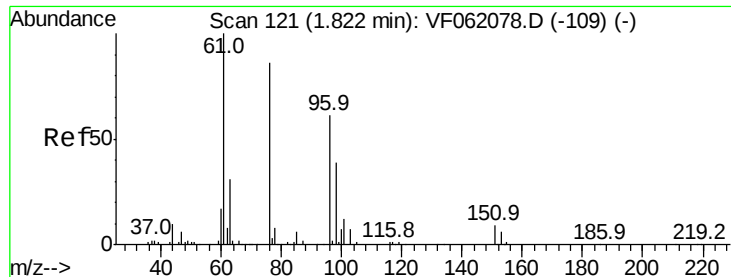


#4

Vinyl Chloride
 Concen: 106.620 ug/l
 RT: 1.14 min Scan# 52
 Delta R.T. -0.01 min
 Lab File: VF062119.D
 Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.4	26.2	39.2





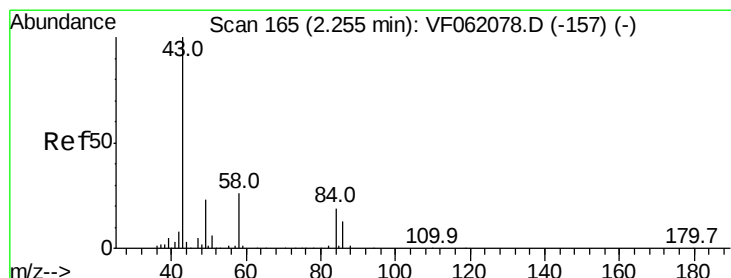
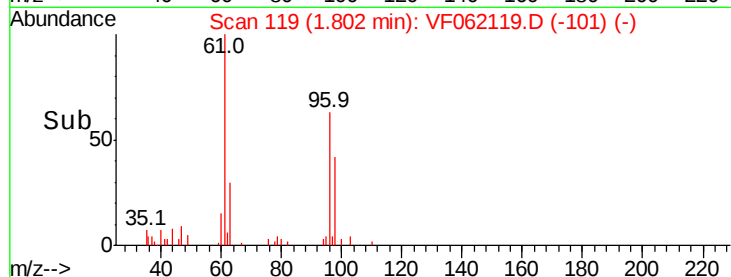
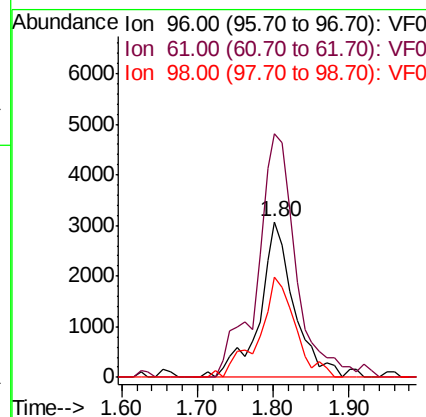
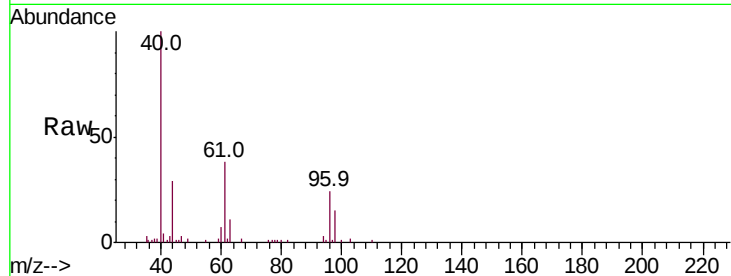
#12
1,1-Dichloroethene
Concen: 4.453 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
WP022SB439-190318-(23-25)

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	131.0	196.6
98	64.3	51.5	77.3

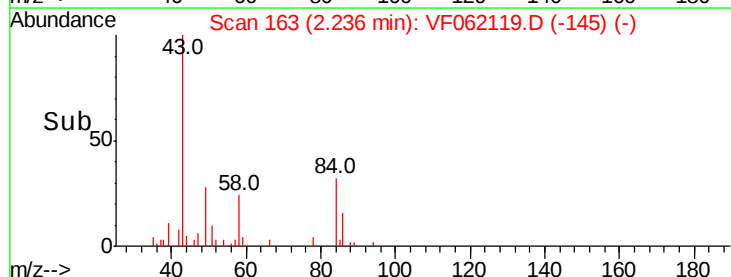
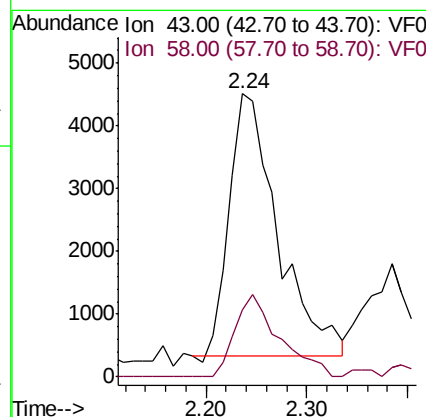
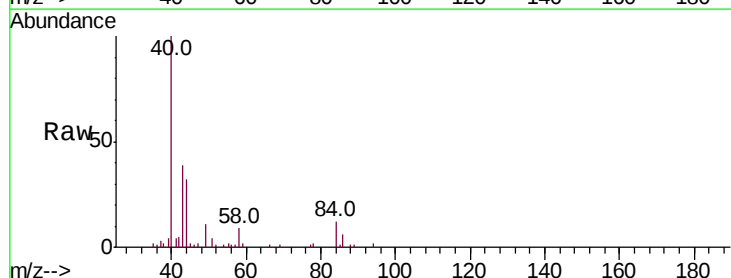
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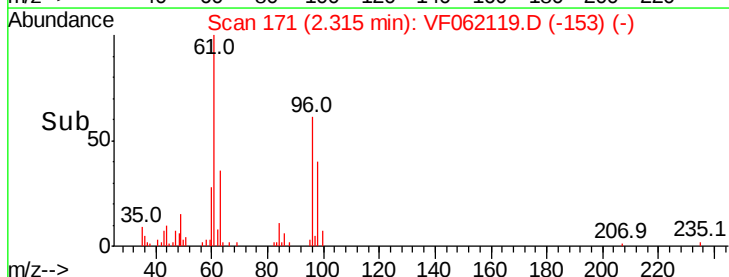
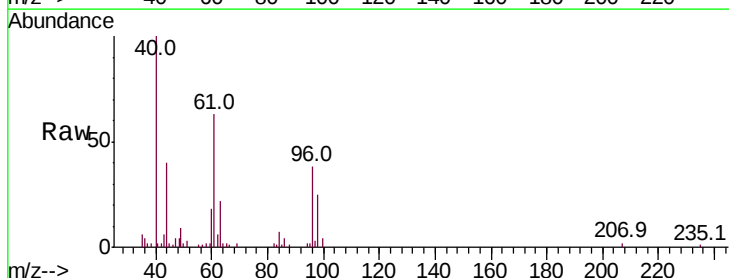
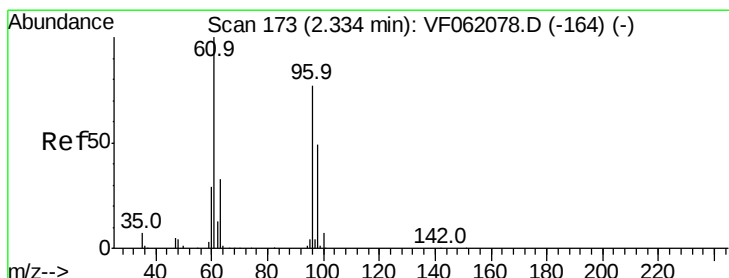
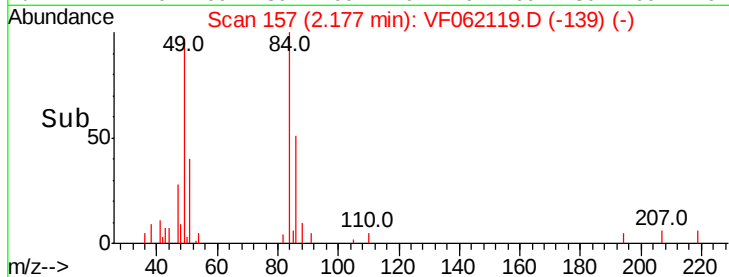
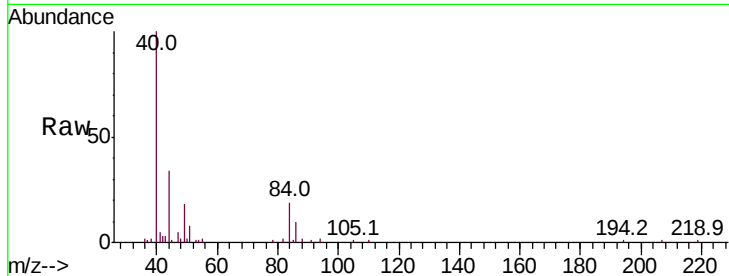
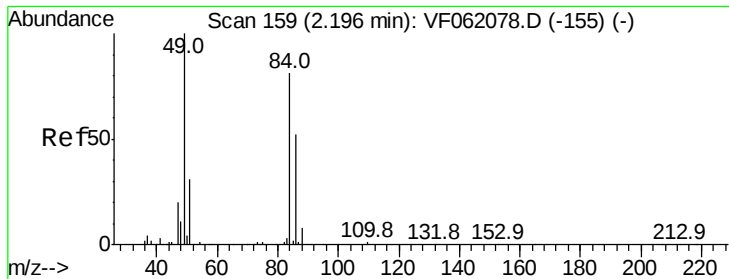
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#16
Acetone
Concen: 39.209 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

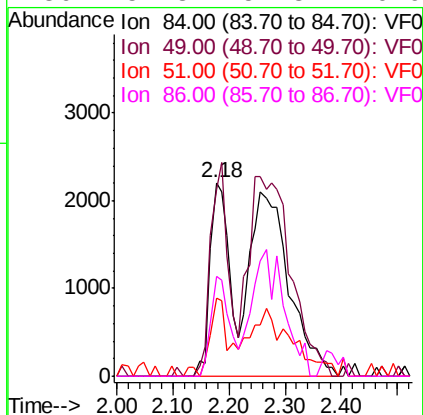
Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.7	20.8	31.2





#20
Methvlene Chloride
Concen: 4.288 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Tot Ion	84	Resp	15408
Ion Ratio	100	Lower	Upper
84	100		
49	96.8	100.4	150.6#
51	40.4	31.0	46.6
86	51.3	51.3	76.9



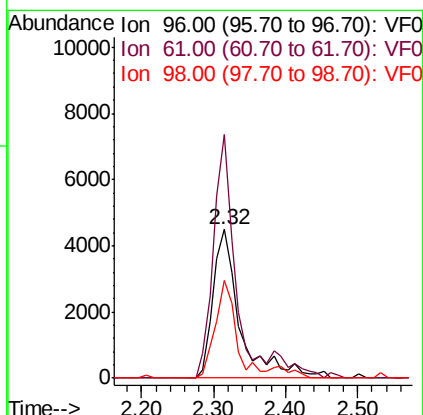
Instrument :
MSVOA_F
ClientSampleId :
WP022SB439-190318-(23-25)

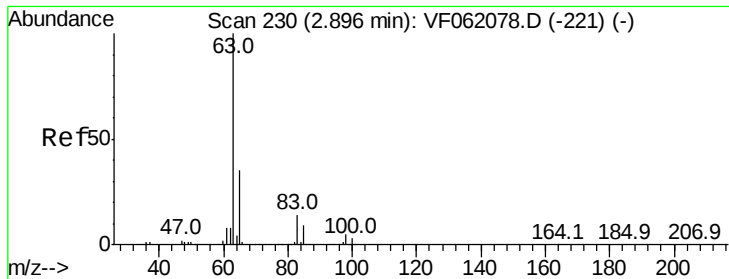
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#21
trans-1,2-Dichloroethene
Concen: 5.530 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Tgt Ion	96	Resp	11621
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
96	100		
61	163.9	104.5	156.7#
98	65.8	51.2	76.8





#24

1,1-Dichloroethane

Concen: 2.235 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :

MSVOA_F

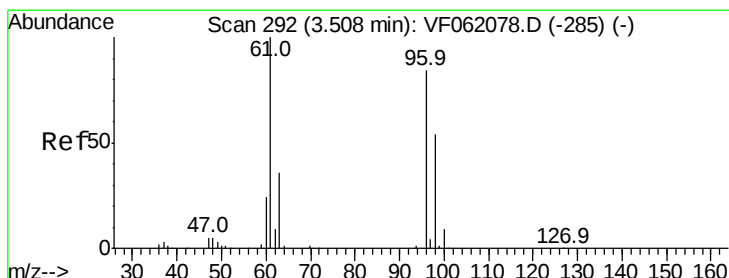
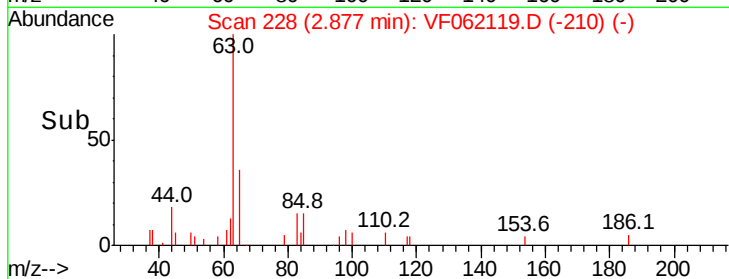
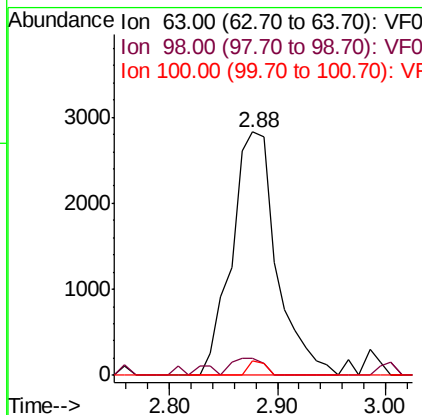
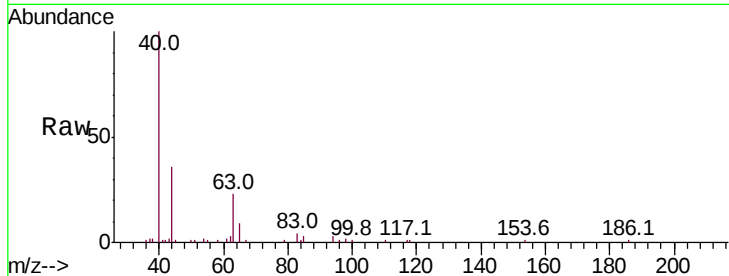
ClientSampleId :

WP022SB439-190318-(23-25)

Tot Ion	Ratio	Resp	Lower	Upper
63	100	8195		
98	6.9	2.7	8.1	
100	6.0	1.7	5.1	

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#27

cis-1,2-Dichloroethene

Concen: 165.951 ug/l

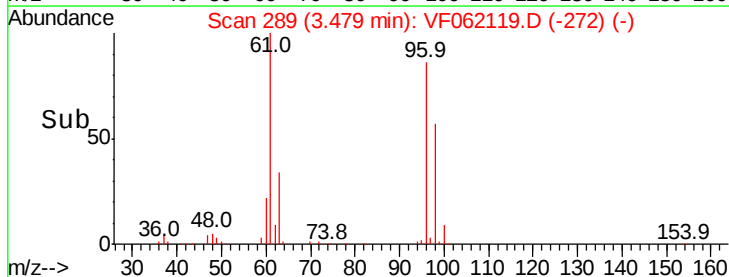
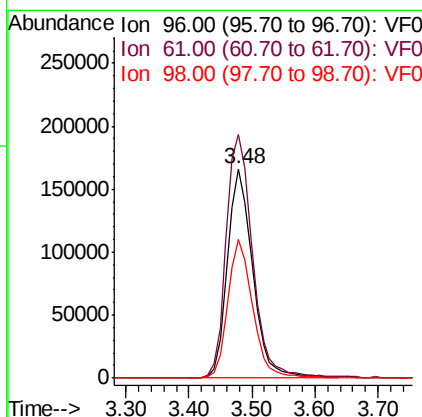
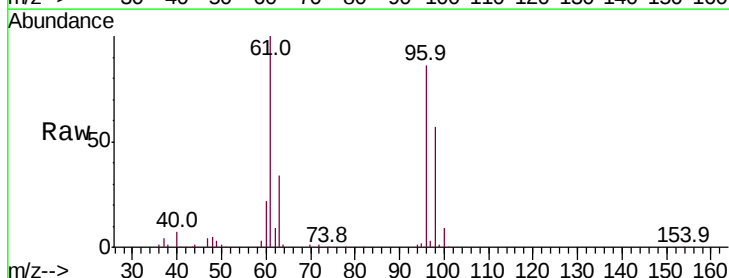
RT: 3.48 min Scan# 289

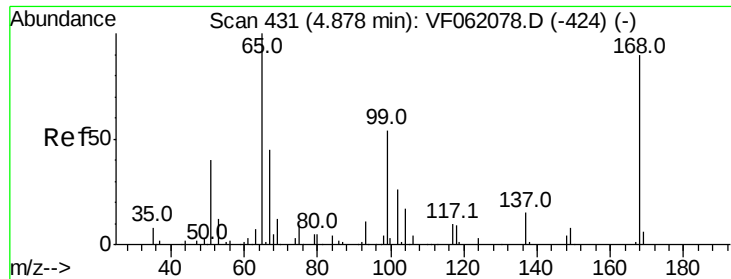
Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	462134		
61	116.4	0.0	239.0	
98	66.1	0.0	128.2	





#33

1,2-Dichloroethane-d4

Concen: 52.424 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

WP022SB439-190318-(23-25)

Tot Ion: 65 Resp: 88355

Ion Ratio Lower Upper

65 100

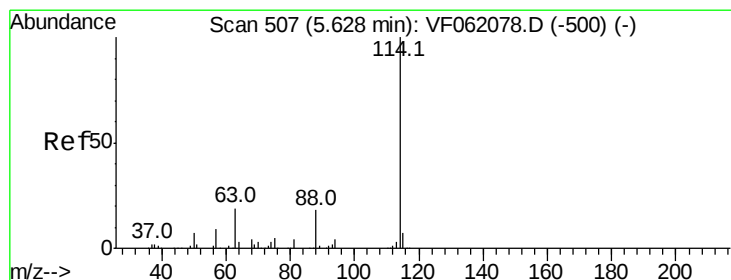
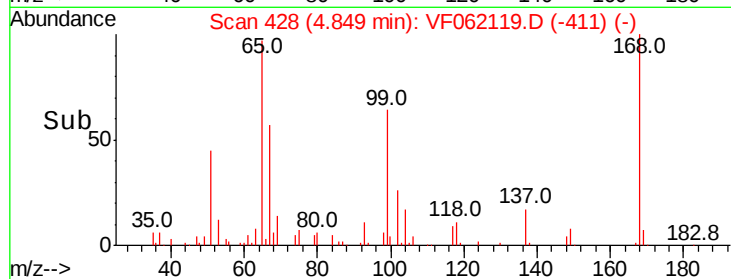
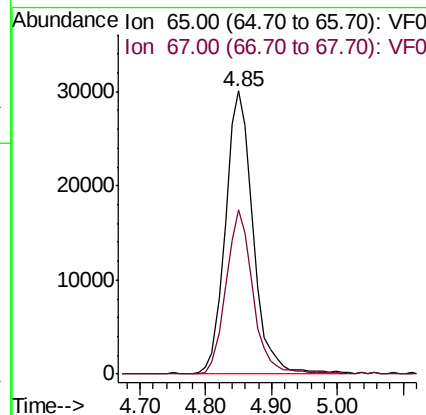
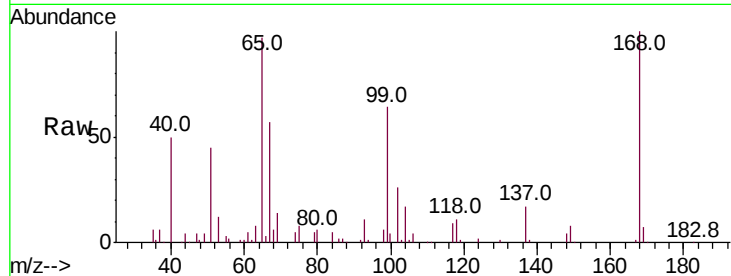
67 58.0 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

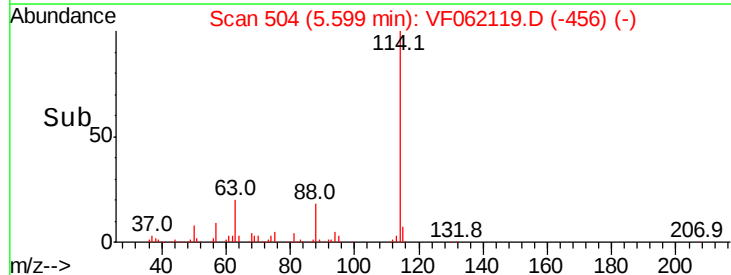
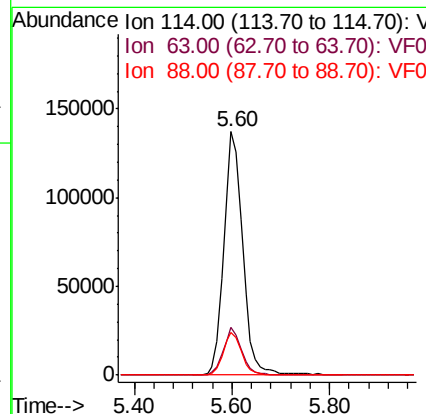
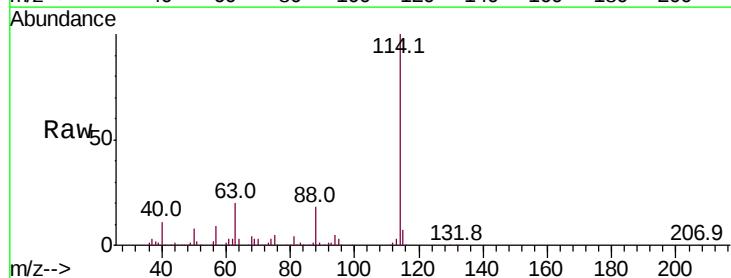
Tgt Ion: 114 Resp: 371690

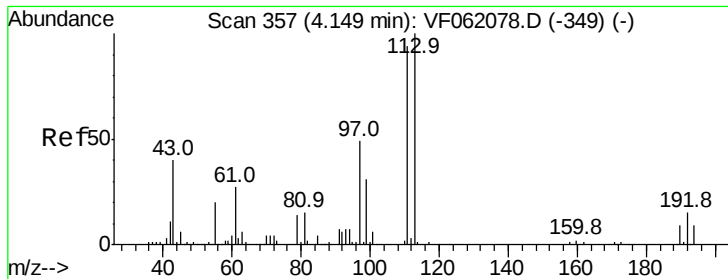
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.8

88 17.7 0.0 36.4





#35

Dibromofluoromethane

Concen: 49.893 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

WP022SB439-190318-(23-25)

Tot Ion:113 Resp: 125448

Ion Ratio Lower Upper

113 100

111 104.3 75.4 113.0

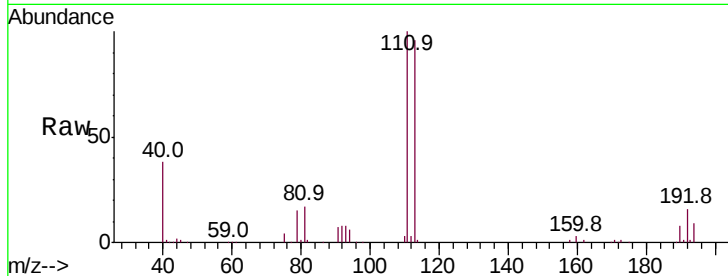
192 17.7 12.3 18.5

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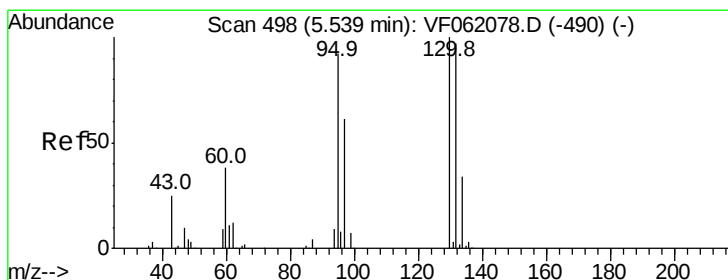
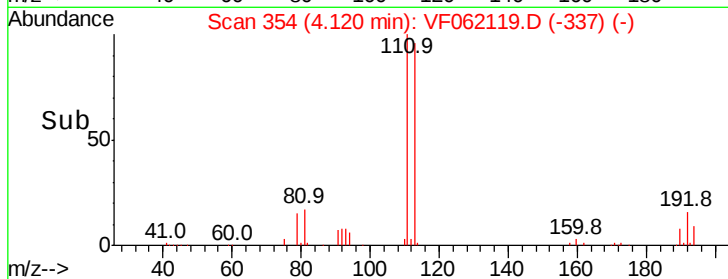
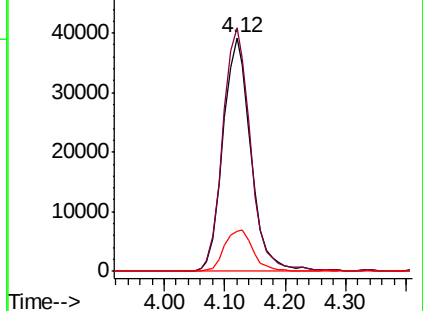
3/25/2019 12:40:43 PM



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



#44

Trichloroethene

Concen: 20.132 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.03 min

Lab File: VF062119.D

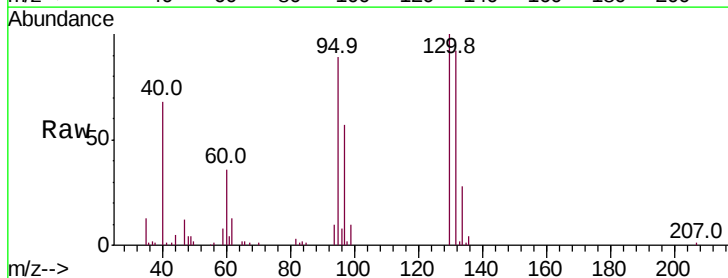
Acq: 23 Mar 2019 16:08

Tgt Ion:130 Resp: 58418

Ion Ratio Lower Upper

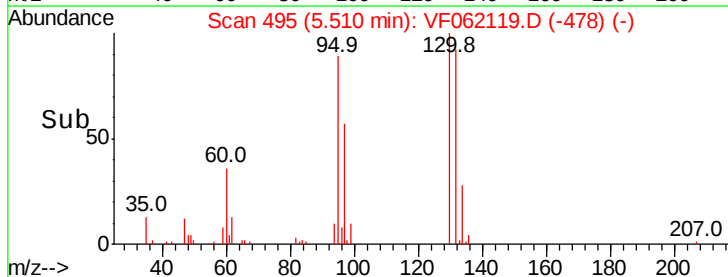
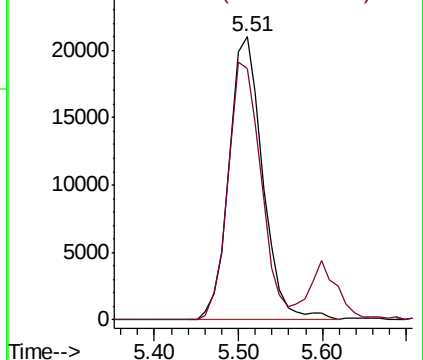
130 100

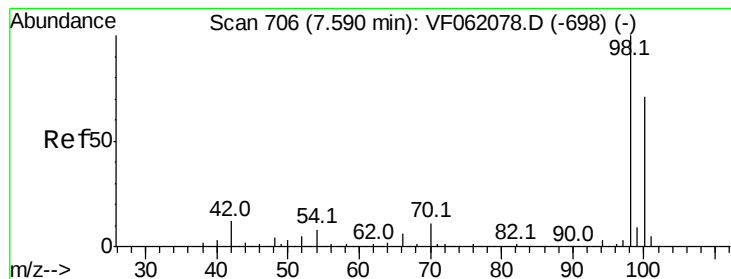
95 89.0 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#50

Toluene-d8

Concen: 40.589 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

WP022SB439-190318-(23-25)

Tot Ion: 98 Resp: 304636

Ion Ratio Lower Upper

98 100

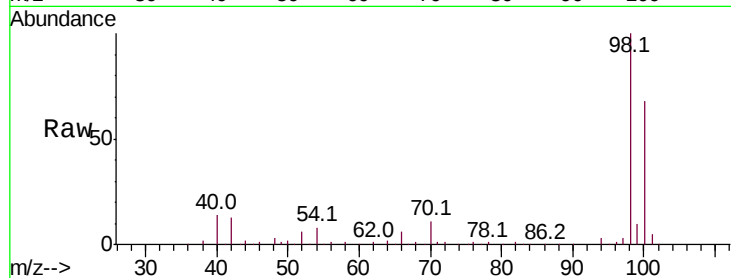
100 67.8 57.0 85.6

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

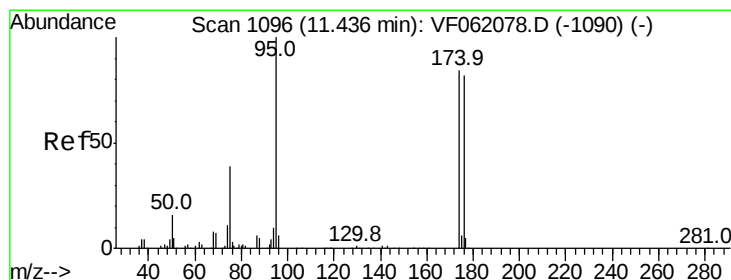
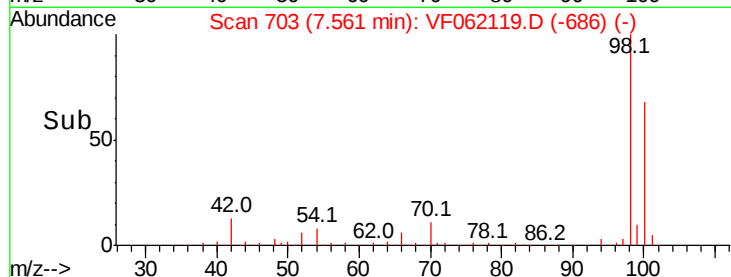
7.56

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.131 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

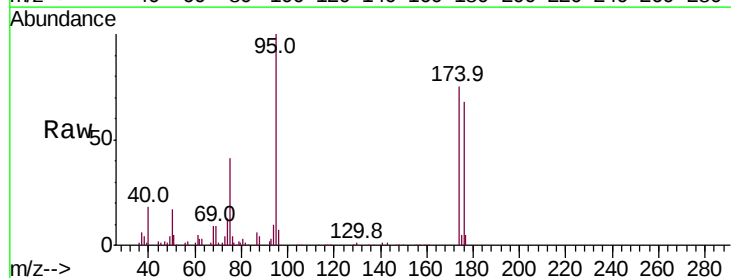
Tgt Ion: 95 Resp: 127869

Ion Ratio Lower Upper

95 100

174 74.8 0.0 168.2

176 67.6 0.0 164.2



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

80000

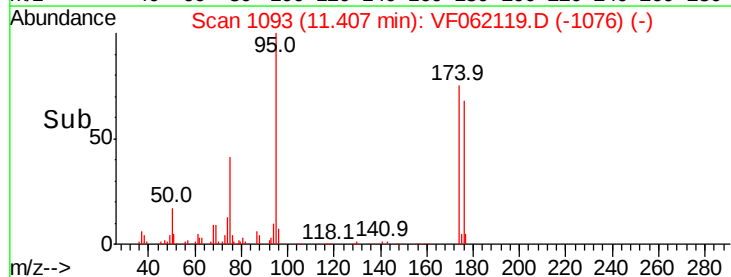
60000

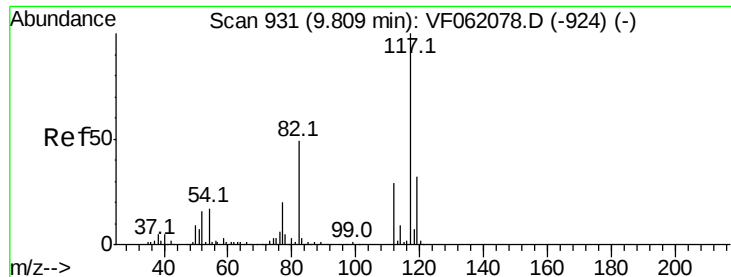
40000

20000

0

Time-->





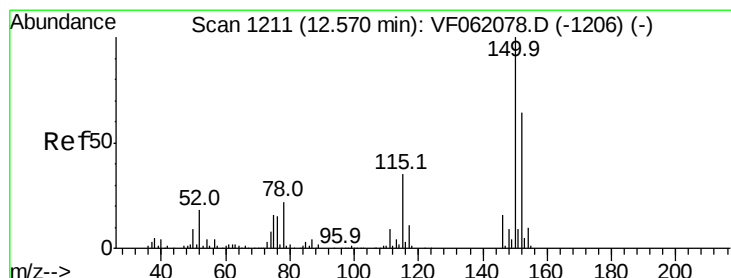
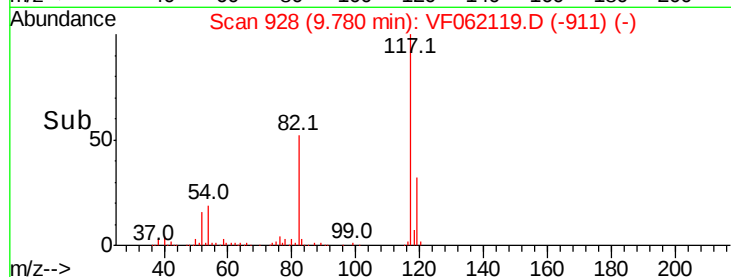
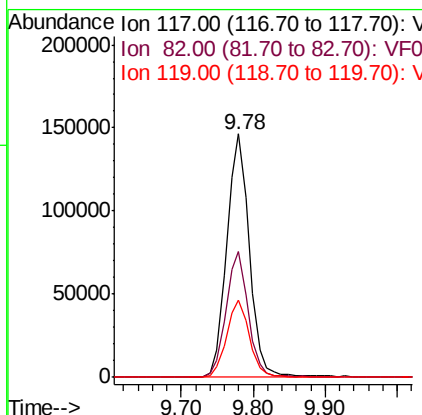
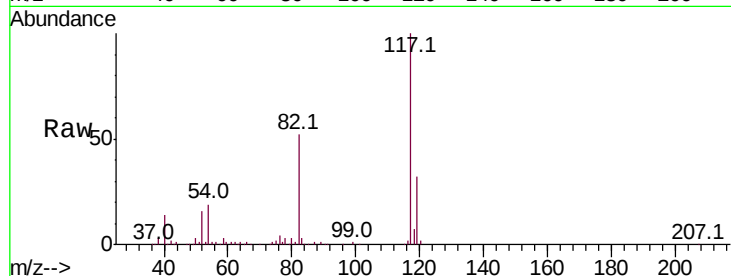
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
WP022SB439-190318-(23-25)

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.5	39.2	58.8	
119	31.6	25.4	38.2	

Manual Integrations
APPROVED

MMDadoda
3/25/2019 12:40:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	53.5	27.7	83.1	
150	153.2	0.0	313.2	

