

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062124.D
 Acq On : 23 Mar 2019 18:30
 Operator : VA/AP
 Sample : K2045-17
 Misc : 6.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB444-190320-(14-16)

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:40:57 PM

Quant Time: Mar 25 04:22:55 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	4.87	168	241249	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	390597	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	315687	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	171250	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	76688	42.74	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	85.48%	
35) Dibromofluoromethane	4.11	113	105637	39.98	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	79.96%	
50) Toluene-d8	7.55	98	276614	35.07	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	70.14%	
62) 4-Bromofluorobenzene	11.41	95	118770	39.01	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.02%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.14	62	69675	23.293	ug/l	90
16) Acetone	2.24	43	21955	58.133	ug/l	95
20) Methylene Chloride	2.17	84	19886m	5.926	ug/l	
27) cis-1,2-Dichloroethene	3.47	96	46933	15.829	ug/l	97
31) Cyclohexane	3.70	56	12810m	3.142	ug/l	
39) Methylcyclohexane	5.45	83	10909	2.526	ug/l	88
40) Benzene	4.63	78	120823	12.114	ug/l	95
52) Toluene	7.62	92	10818	1.873	ug/l	99
65) Chlorobenzene	9.80	112	1795284	303.939	ug/l	94
79) 2-Chlorotoluene	11.72	91	10054	1.293	ug/l	92
87) 1,3-Dichlorobenzene	12.48	146	54598	9.982	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	84586	15.848	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	45944	8.945	ug/l	91

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

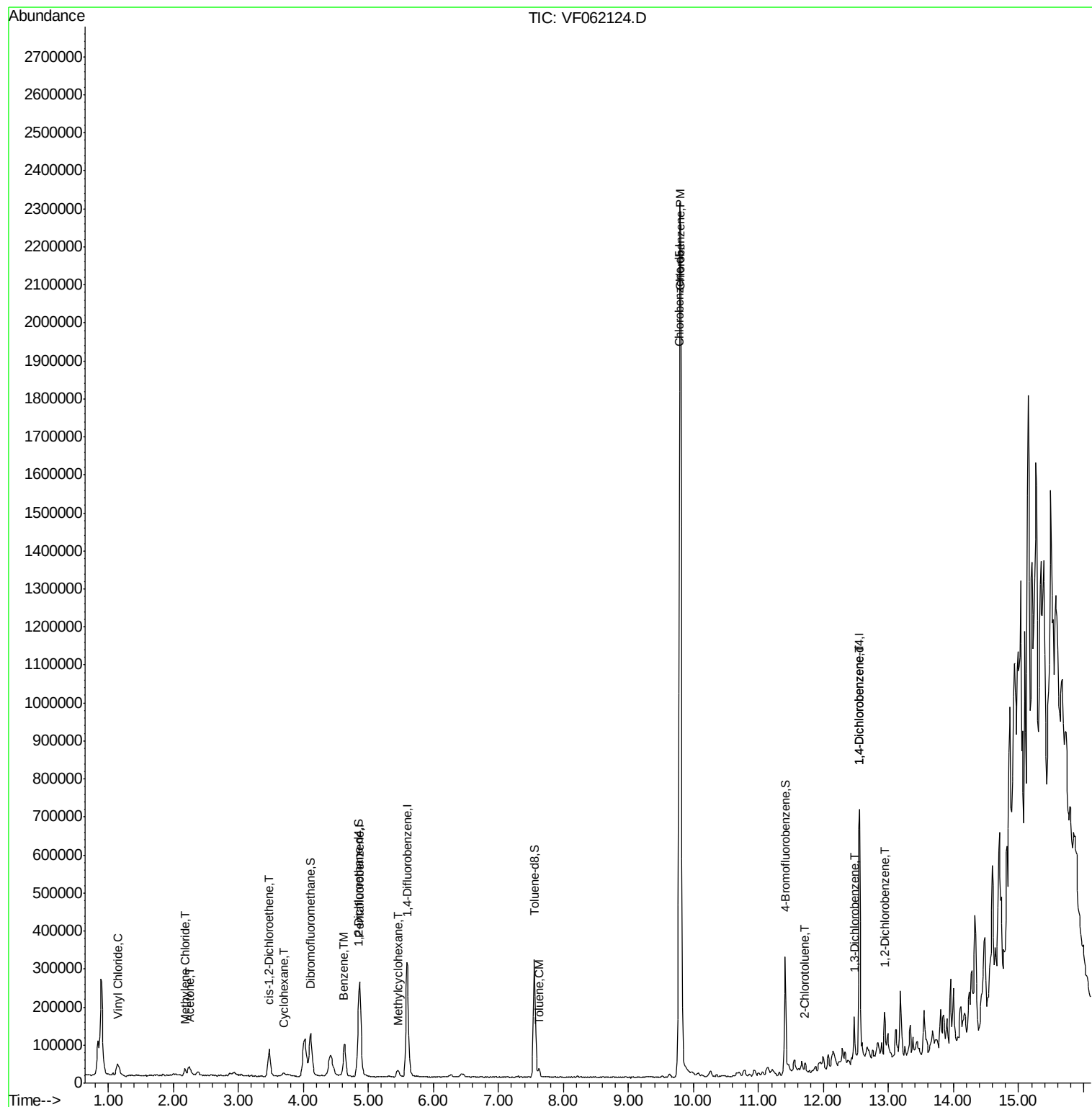
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062124.D
Acq On : 23 Mar 2019 18:30
Operator : VA/AP
Sample : K2045-17
Misc : 6.61g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

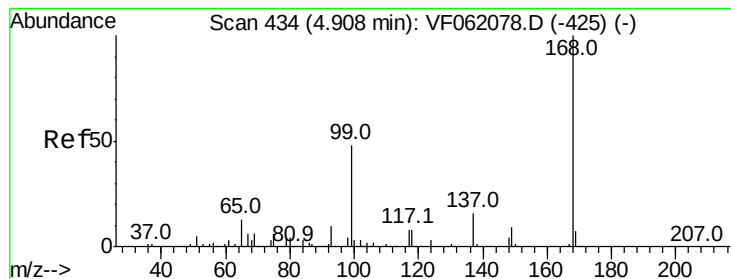
Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

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Quant Time: Mar 25 04:22:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

WP022SB444-190320-(14-16)

Tot Ion:168 Resp: 241249

Ion Ratio Lower Upper

168 100

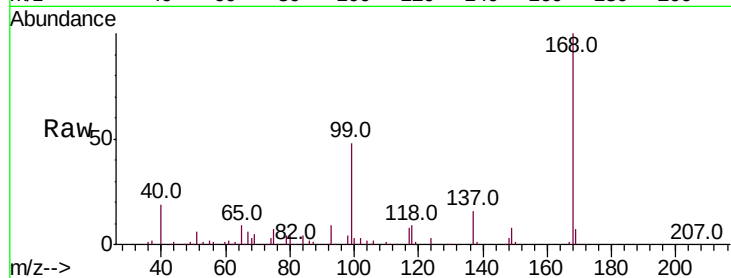
99 48.0 38.2 57.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

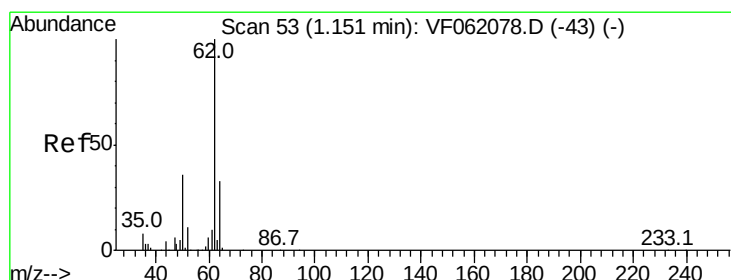
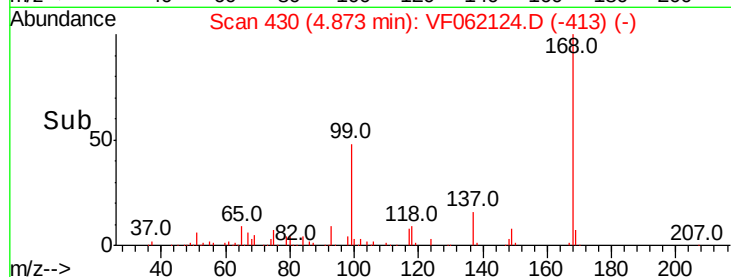
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#4

Vinyl Chloride

Concen: 23.293 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062124.D

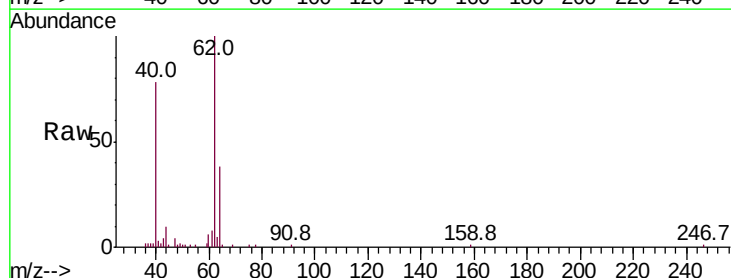
Acq: 23 Mar 2019 18:30

Tgt Ion: 62 Resp: 69675

Ion Ratio Lower Upper

62 100

64 38.4 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

20000

15000

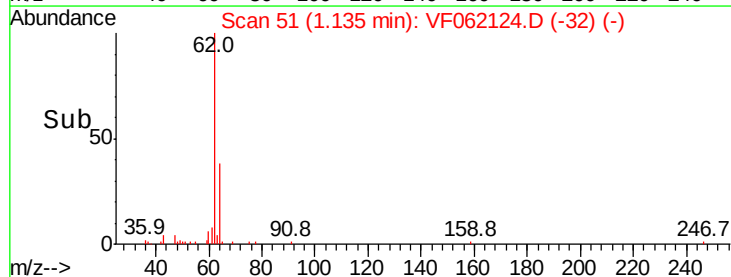
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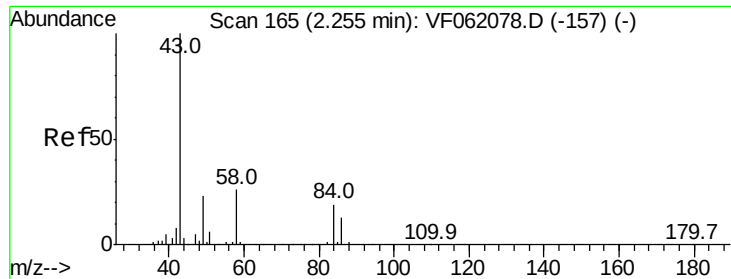
5000

0

Time-->

1.00 1.10 1.20 1.30





#16

Acetone

Concen: 58.133 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

WP022SB444-190320-(14-16)

Tot Ion: 43 Resp: 21955

Ion Ratio Lower Upper

43 100

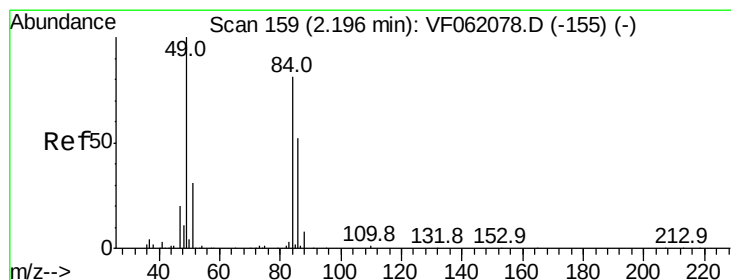
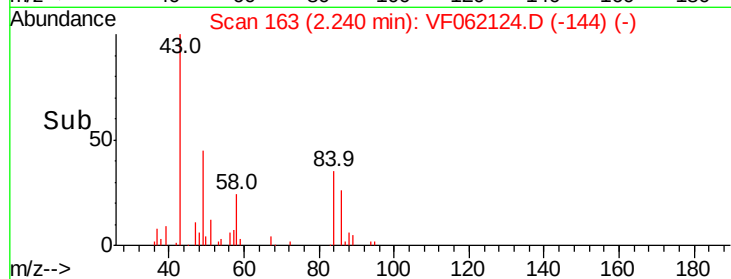
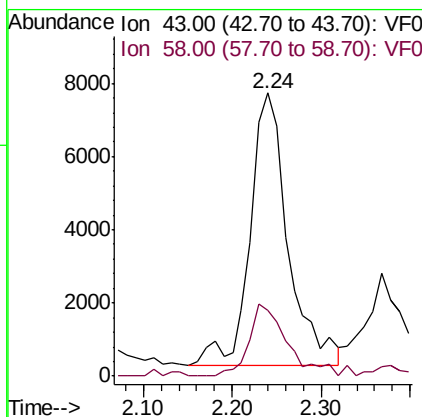
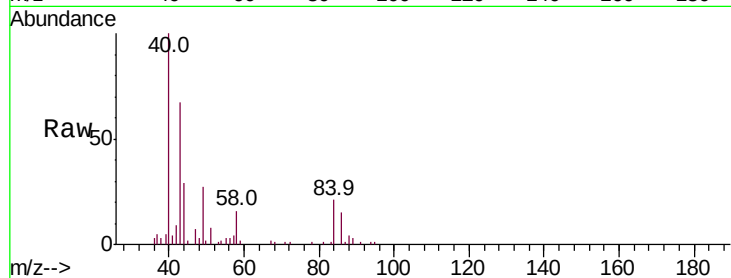
58 23.2 20.8 31.2

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#20

Methylene Chloride

Concen: 5.926 ug/l m

RT: 2.17 min Scan# 156

Delta R.T. -0.03 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

Tgt Ion: 84 Resp: 19886

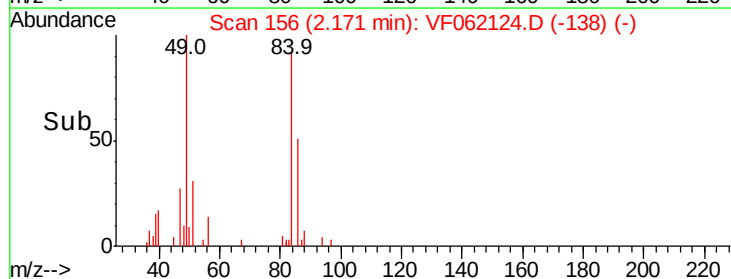
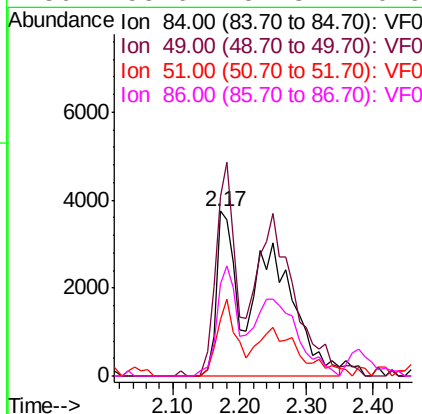
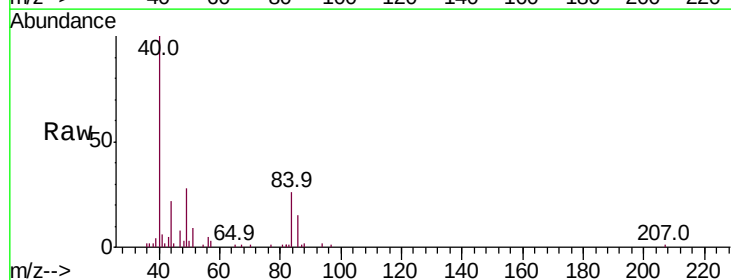
Ion Ratio Lower Upper

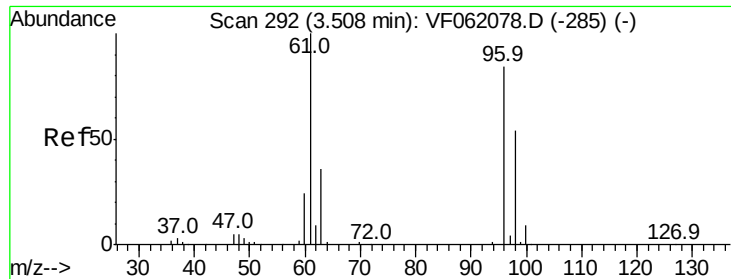
84 100

49 108.4 100.4 150.6

51 34.1 31.0 46.6

86 55.6 51.3 76.9





#27

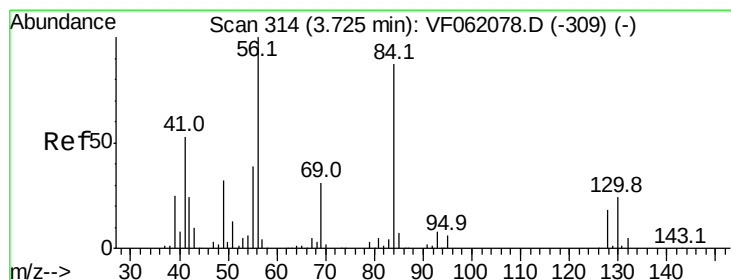
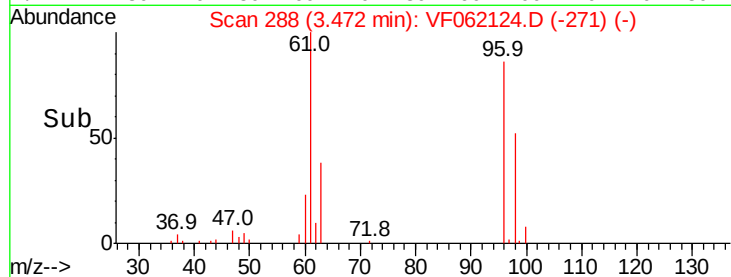
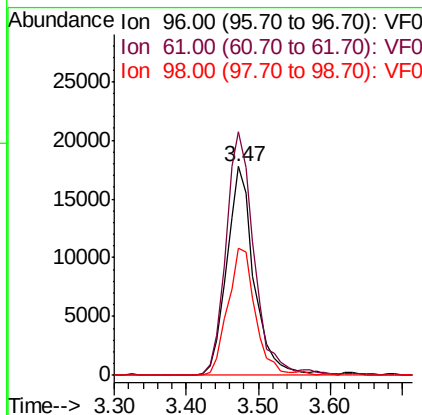
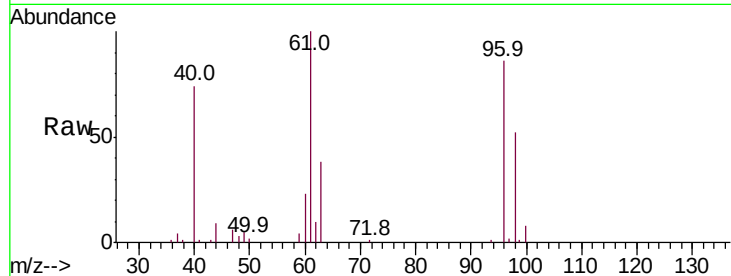
cis-1,2-Dichloroethene
 Concen: 15.829 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.04 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB444-190320-(14-16)

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46933		
61	116.6	0.0	239.0	
98	60.8	0.0	128.2	

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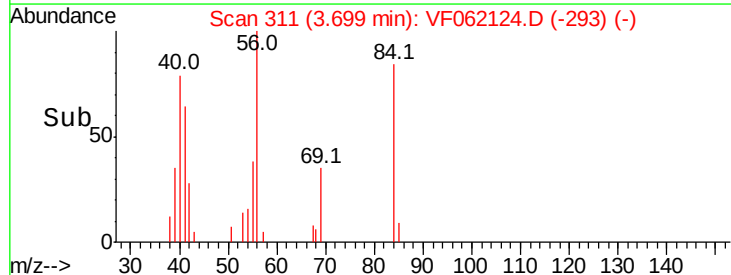
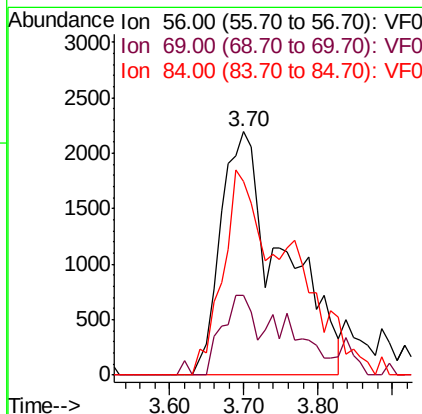
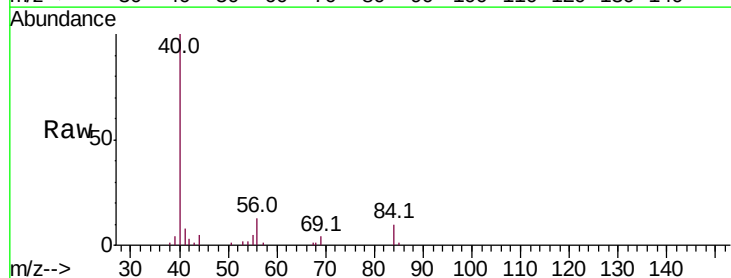
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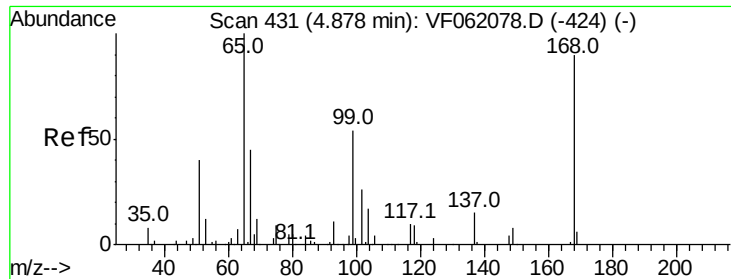


#31

Cyclohexane
 Concen: 3.142 ug/l m
 RT: 3.70 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	12810		
69	32.8	25.9	38.9	
84	79.3	71.1	106.7	





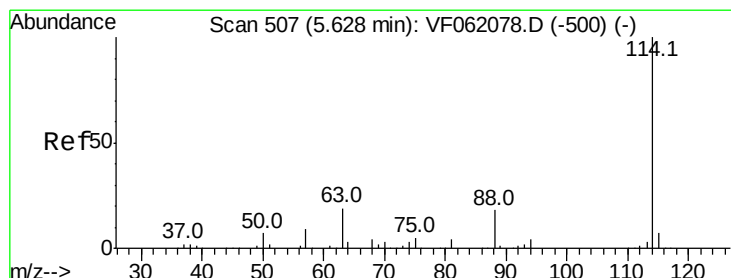
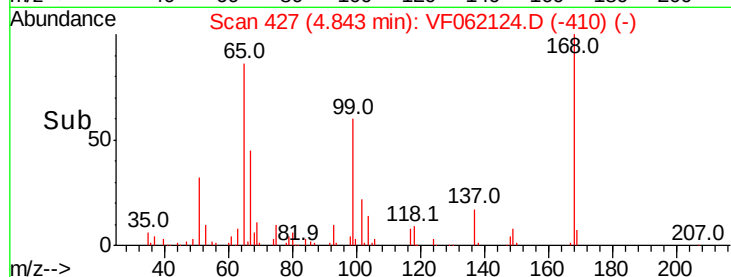
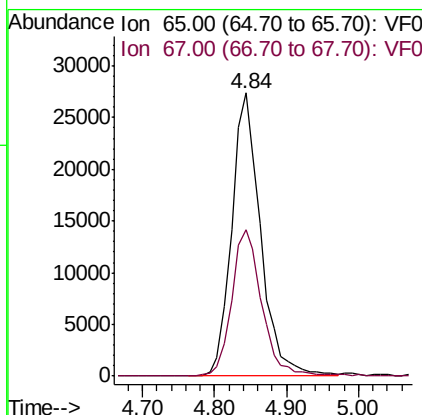
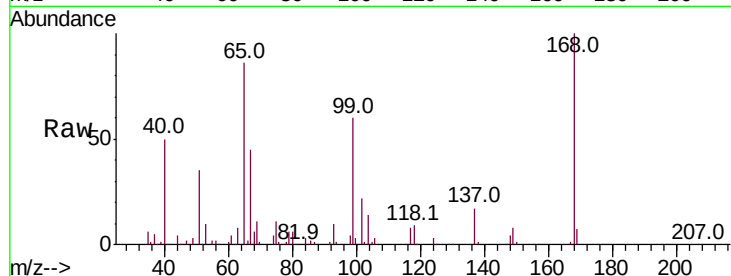
#33
 1,2-Dichloroethane-d4
 Concen: 42.737 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB444-190320-(14-16)

Tot Ion: 65 Resp: 76688
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2

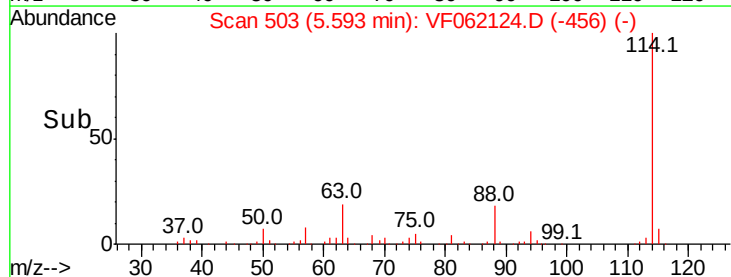
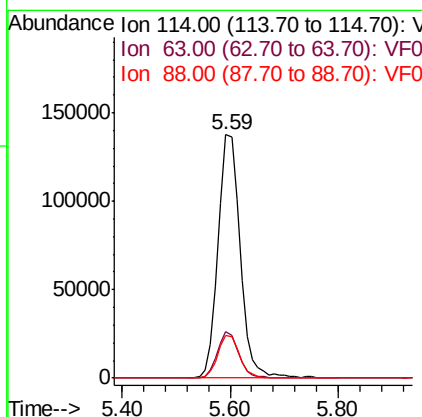
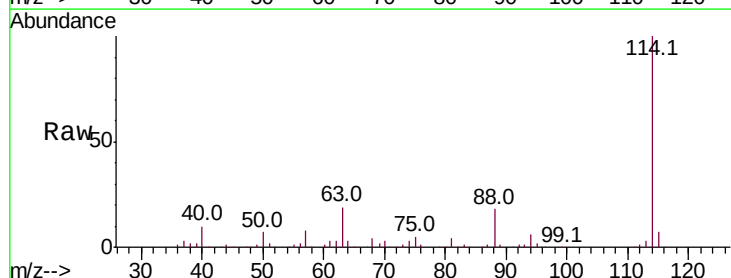
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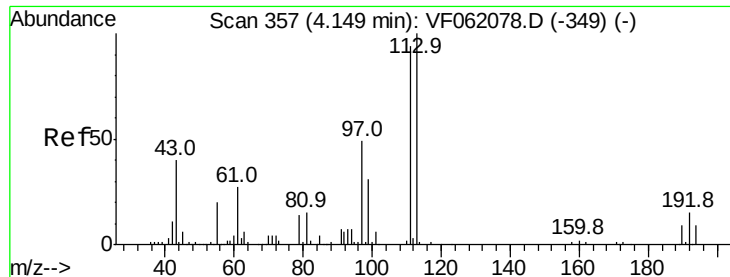
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Tgt Ion: 114 Resp: 390597
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 17.7 0.0 36.4





#35

Dibromofluoromethane

Concen: 39.980 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

Instrument :

MSVOA_F

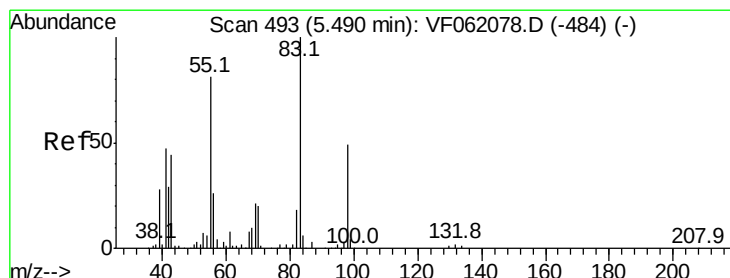
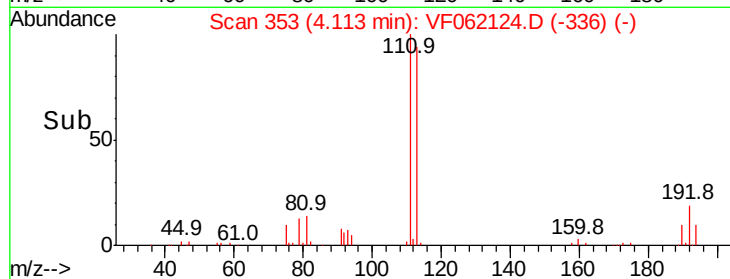
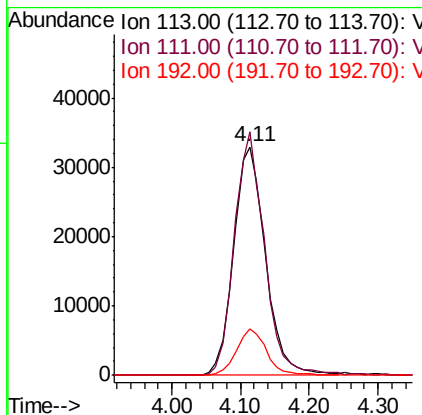
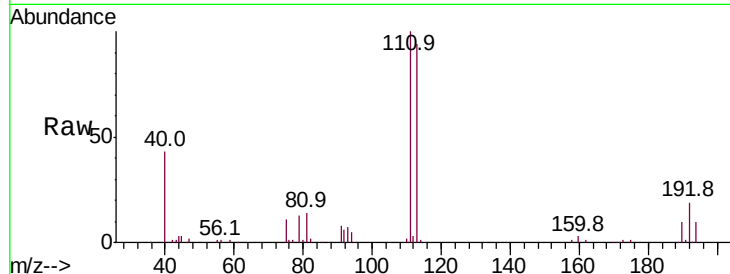
ClientSampleId :

WP022SB444-190320-(14-16)

Tot Ion:	113	Resp:	105637
Ion Ratio	Lower	Upper	
113	100		
111	106.6	75.4	113.0
192	20.1	12.3	18.5#

Manual Integrations
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#39

Methylcyclohexane

Concen: 2.526 ug/l

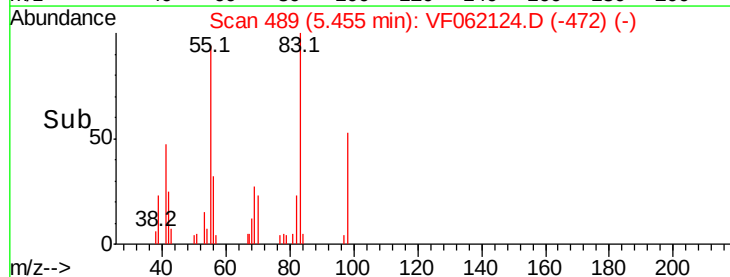
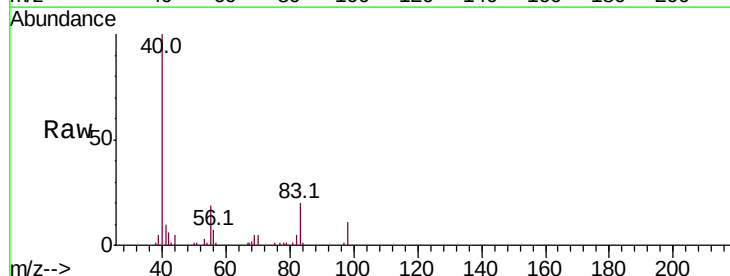
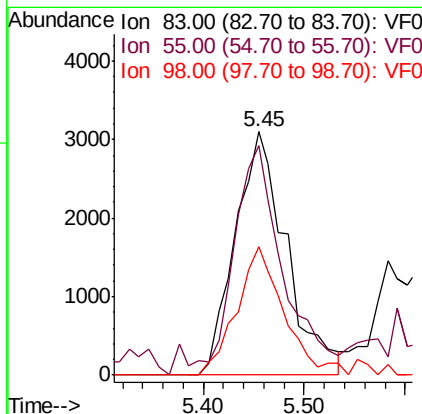
RT: 5.45 min Scan# 489

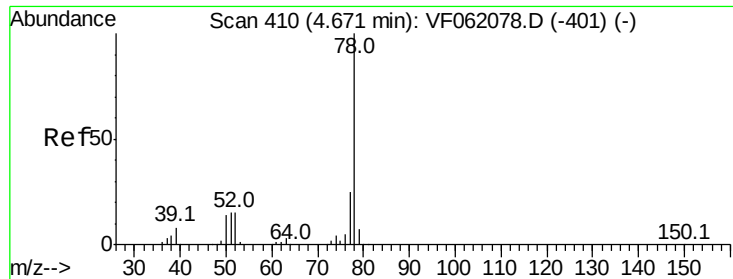
Delta R.T. -0.04 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

Tgt Ion:	83	Resp:	10909
Ion Ratio	Lower	Upper	
83	100		
55	94.3	64.5	96.7
98	52.6	39.1	58.7





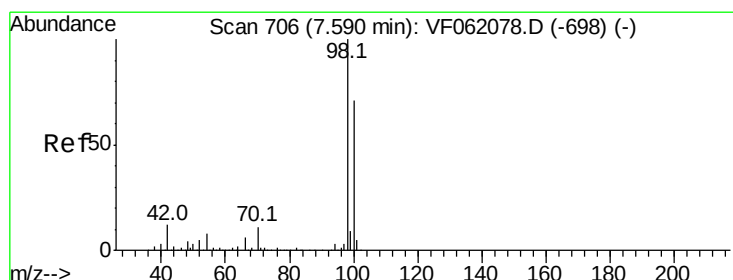
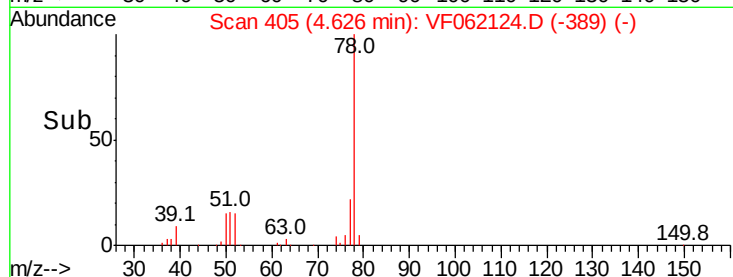
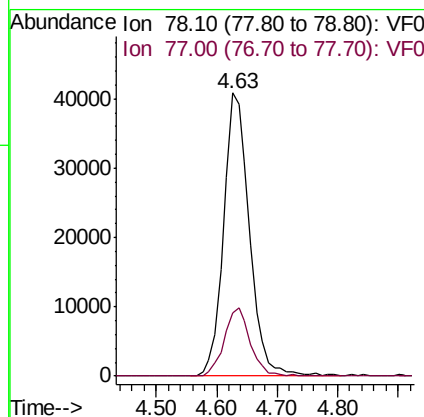
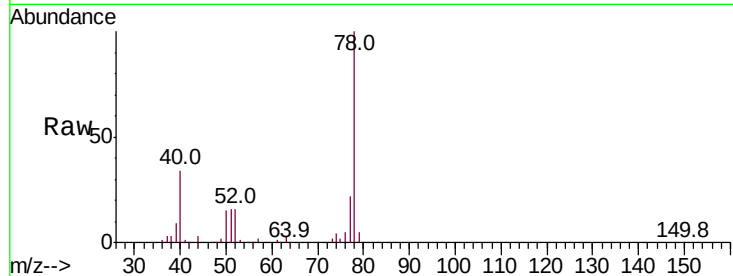
#40
Benzene
Concen: 12.114 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF062124.D
Acq: 23 Mar 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
WP022SB444-190320-(14-16)

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.8	29.6

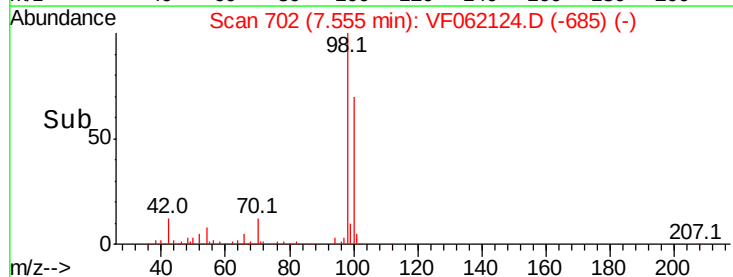
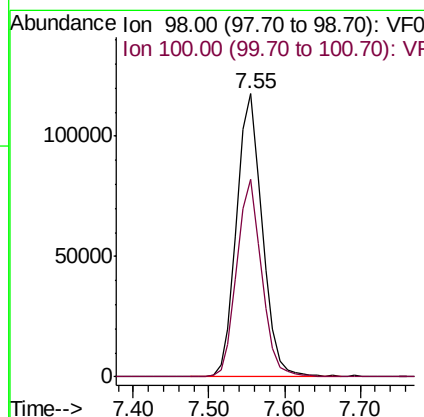
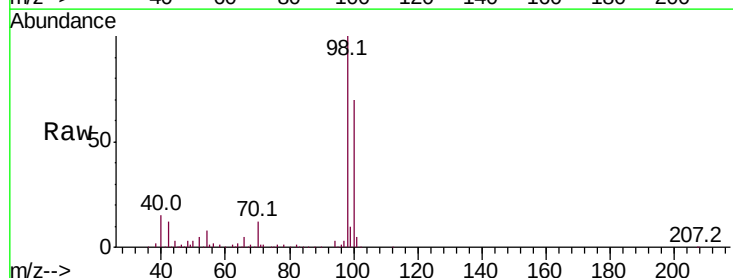
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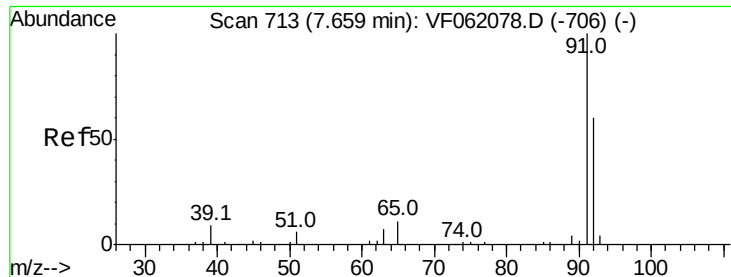
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#50
Toluene-d8
Concen: 35.072 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF062124.D
Acq: 23 Mar 2019 18:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.0	57.0	85.6





#52

Toluene

Concen: 1.873 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

WP022SB444-190320-(14-16)

Tot Ion: 92 Resp: 10818

Ion Ratio Lower Upper

92 100

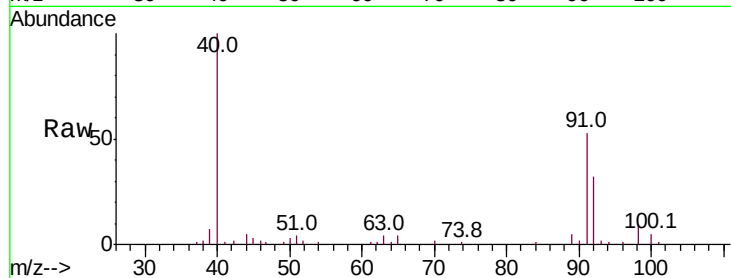
91 168.4 134.1 201.1

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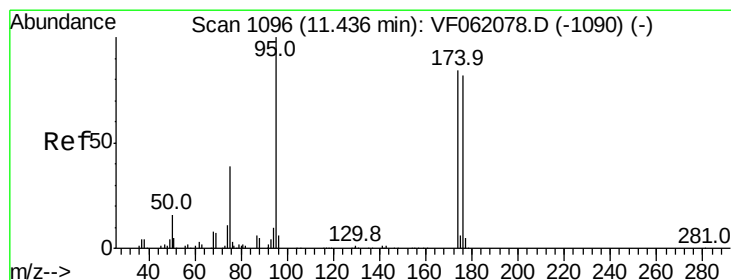
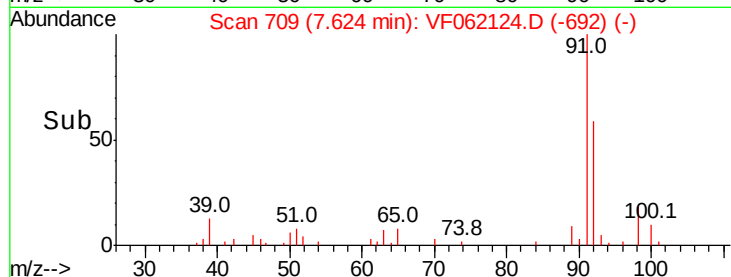
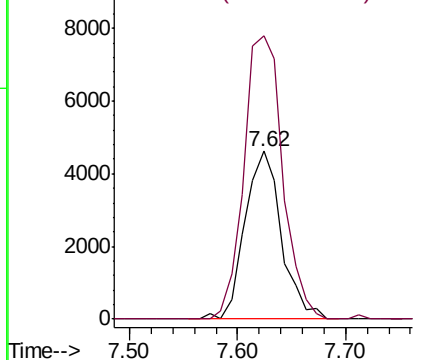
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 39.007 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062124.D

Acq: 23 Mar 2019 18:30

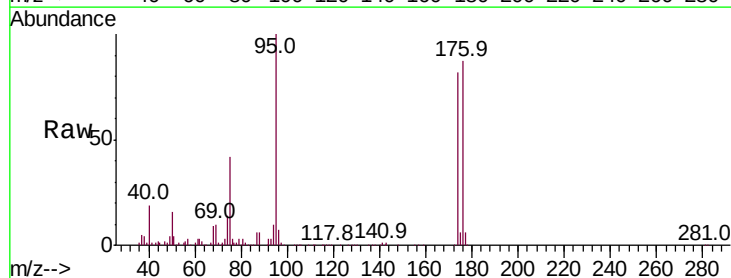
Tgt Ion: 95 Resp: 118770

Ion Ratio Lower Upper

95 100

174 82.4 0.0 168.2

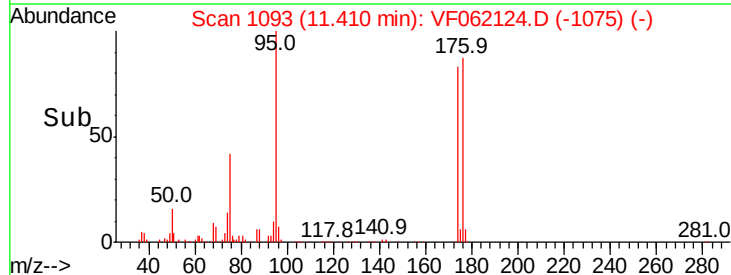
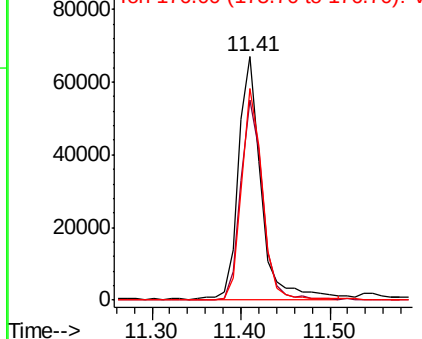
176 86.7 0.0 164.2

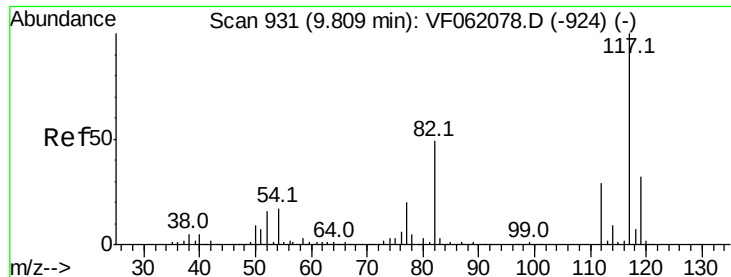


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





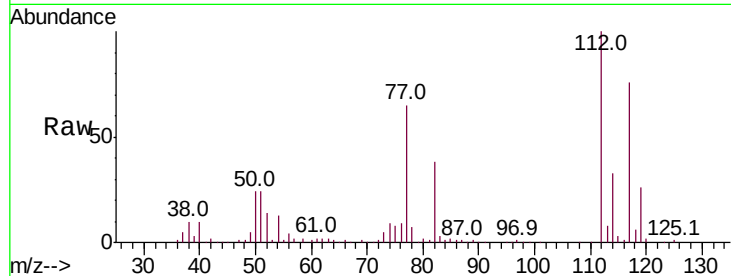
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062124.D
Acq: 23 Mar 2019 18:30

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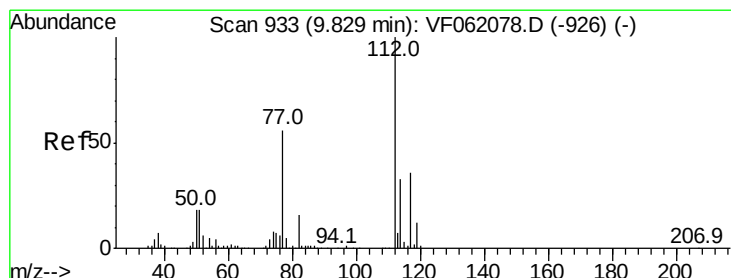
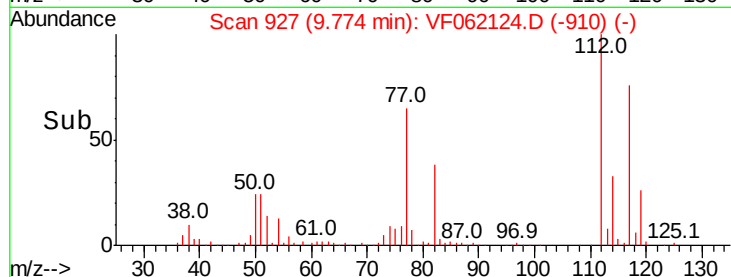
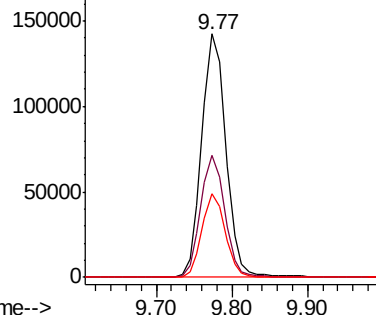
Tot Ion	Ratio	Resp	Lower	Upper
117	100	315687		
82	50.2	39.2	58.8	
119	34.2	25.4	38.2	

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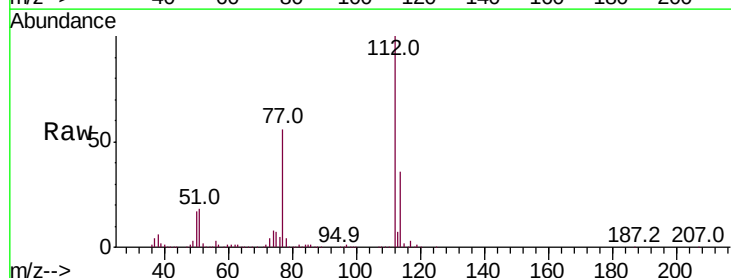


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

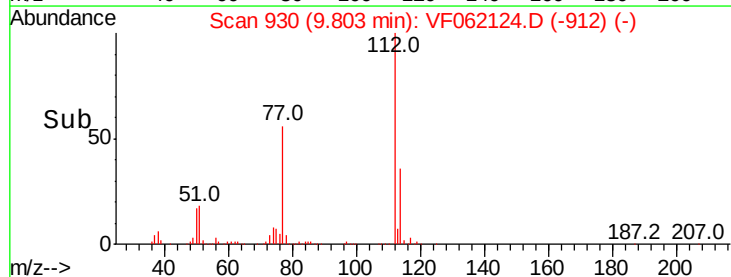
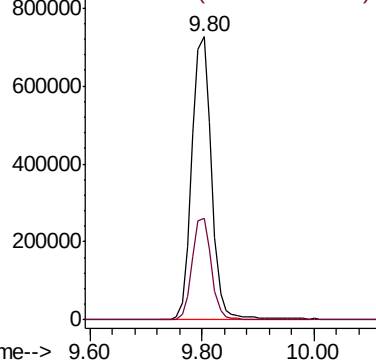


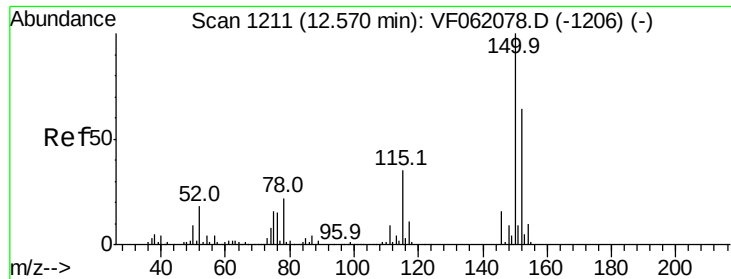
#65
Chlorobenzene
Concen: 303.939 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF062124.D
Acq: 23 Mar 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1795284		
114	36.0	26.0	39.0	



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V





#72

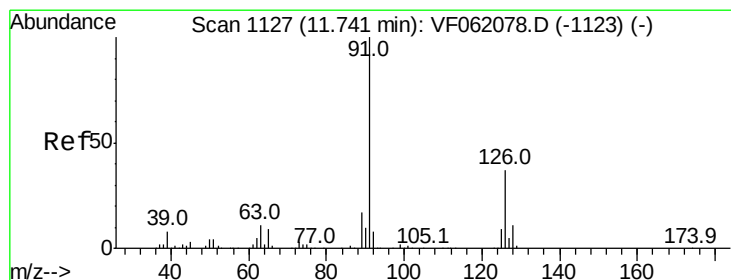
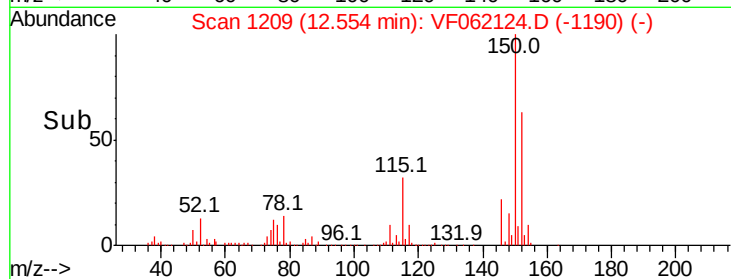
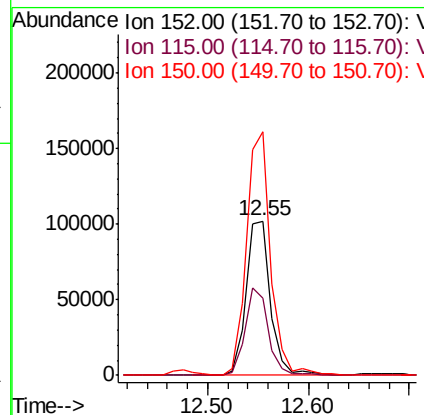
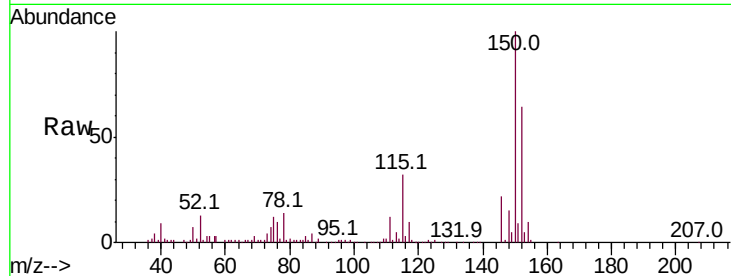
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062124.D
Acq: 23 Mar 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
115	50.2	27.7	83.1
150	157.4	0.0	313.2

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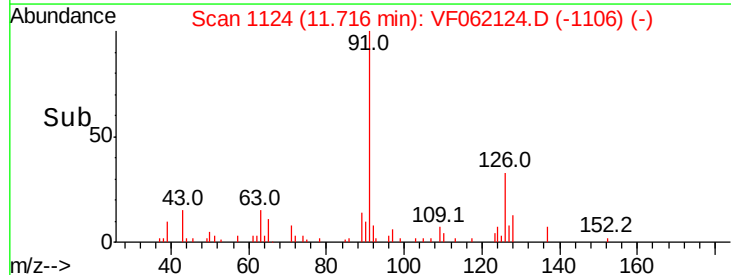
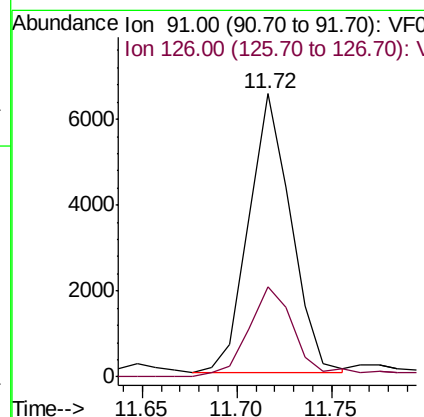
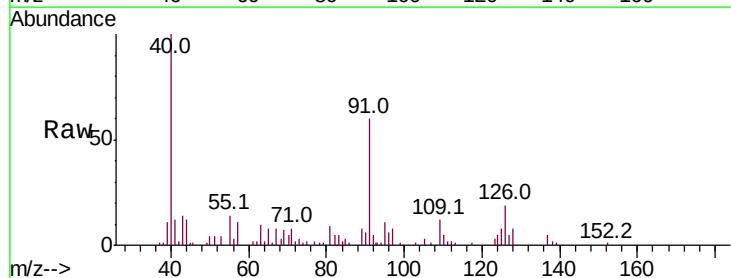
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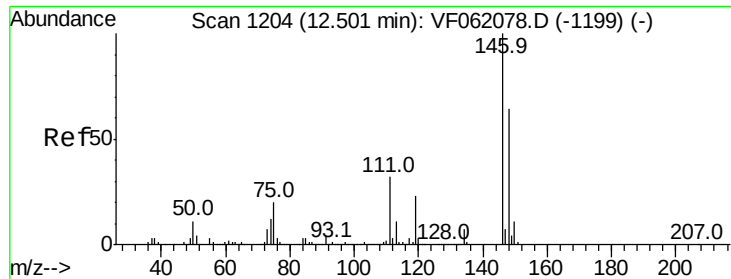


#79

2-Chlorotoluene
Concen: 1.293 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.03 min
Lab File: VF062124.D
Acq: 23 Mar 2019 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	18.3	54.8





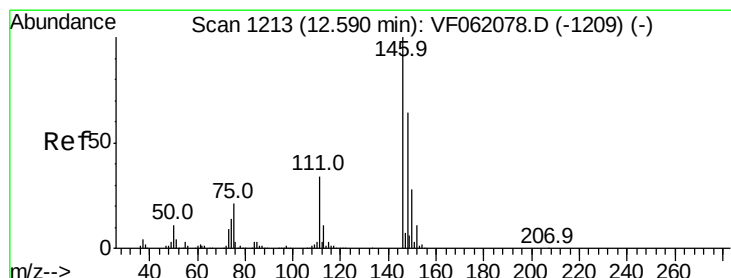
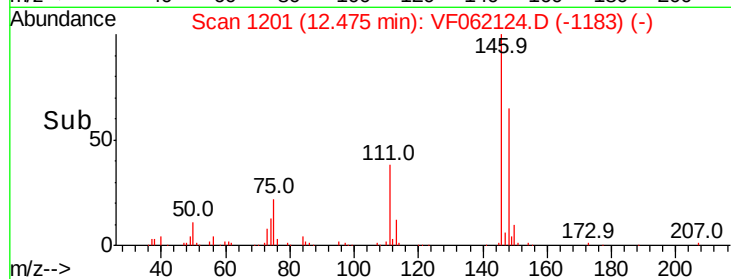
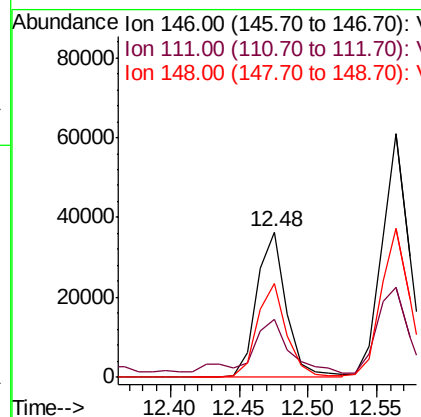
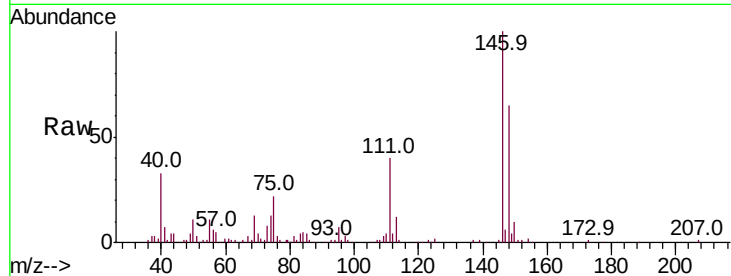
#87
 1,3-Dichlorobenzene
 Concen: 9.982 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB444-190320-(14-16)

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	16.1	48.3
148	64.9	31.9	95.7

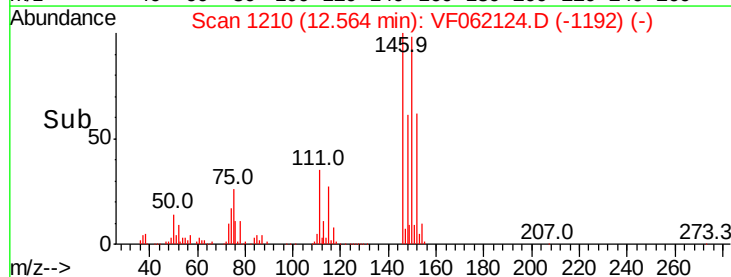
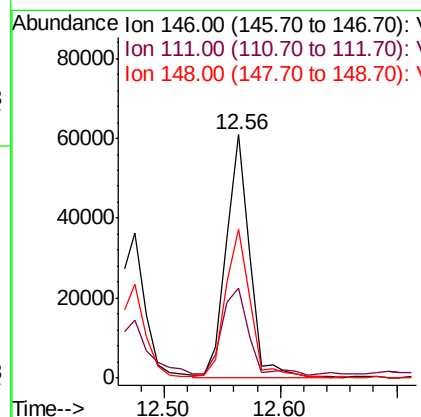
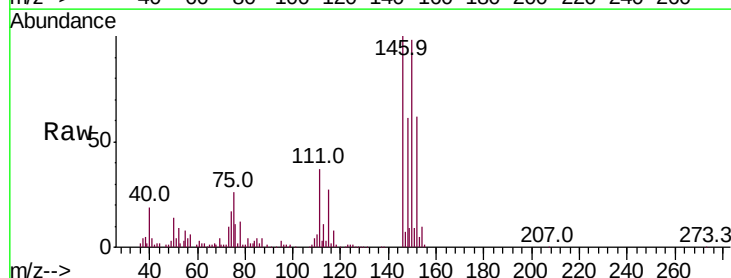
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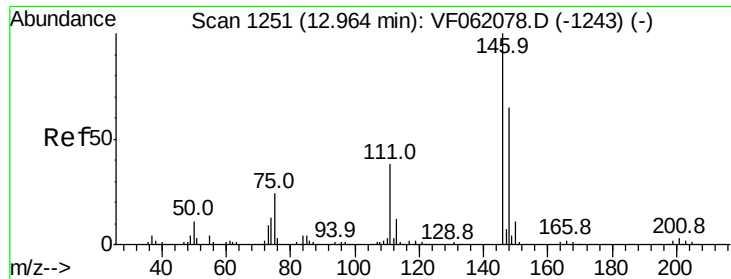
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#88
 1,4-Dichlorobenzene
 Concen: 15.848 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	16.9	50.6
148	61.1	31.9	95.7





#91
 1,2-Dichlorobenzene
 Concen: 8.945 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF062124.D
 Acq: 23 Mar 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB444-190320-(14-16)

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.1	57.3
148	58.1	32.8	98.3

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