

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062122.D
 Acq On : 23 Mar 2019 17:33
 Operator : VA/AP
 Sample : K2045-12
 Misc : 6.42g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB434-190320-(25-27)

Quant Time: Mar 25 04:17:30 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	247939	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	380621	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	328878	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	171603	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	82000	44.46	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	88.92%	
35) Dibromofluoromethane	4.12	113	115341	44.80	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	89.60%	
50) Toluene-d8	7.55	98	290188	37.76	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	75.52%	
62) 4-Bromofluorobenzene	11.41	95	121222	40.86	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	81.72%	

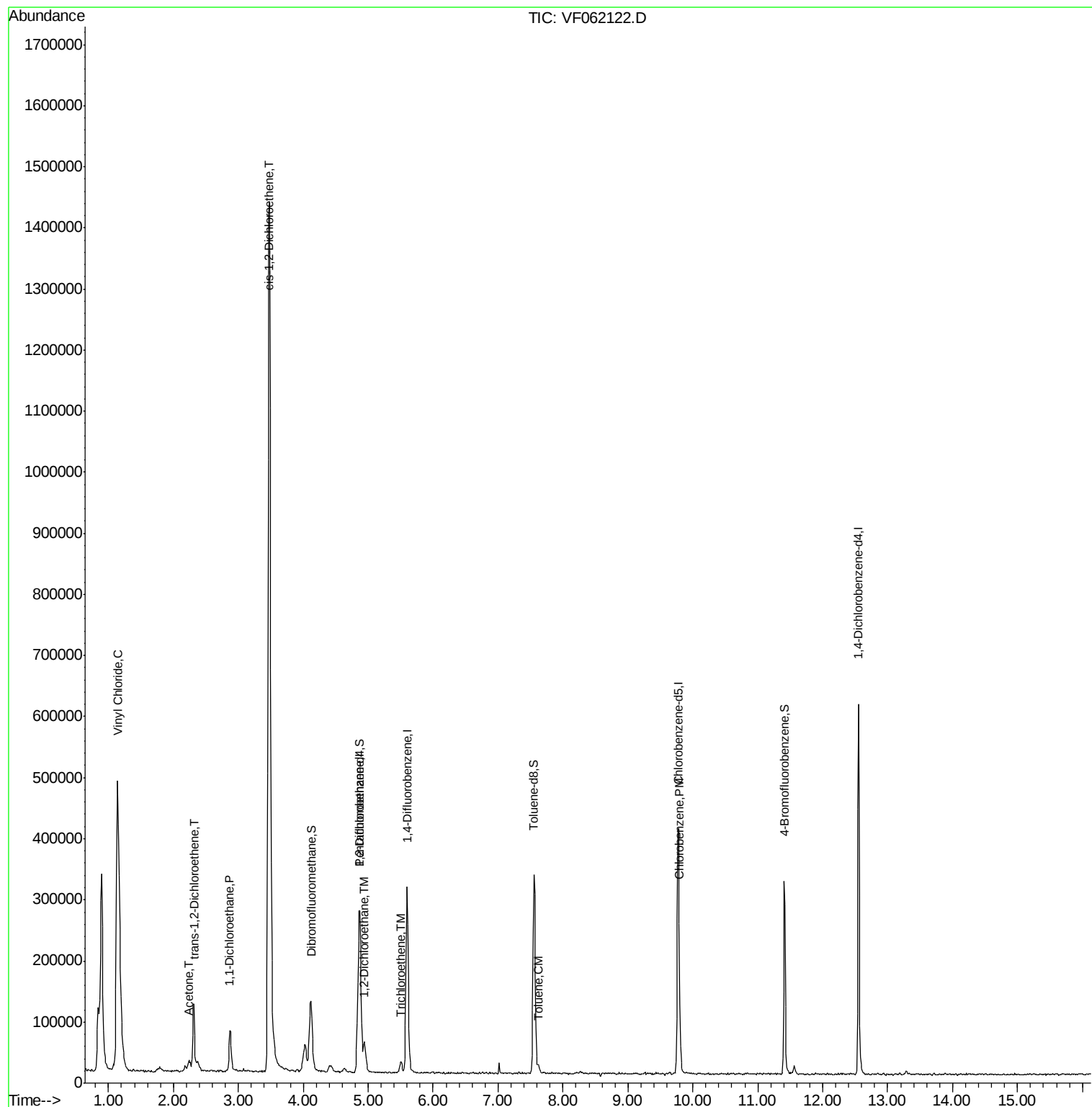
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.14	62	1064262	346.193	ug/l	99
16) Acetone	2.24	43	21088	54.331	ug/l	96
21) trans-1,2-Dichloroethene	2.32	96	55878	24.300	ug/l	98
24) 1,1-Dichloroethane	2.87	63	83747	20.875	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	1026216	336.780	ug/l	97
42) 1,2-Dichloroethane	4.94	62	50582	22.008	ug/l	98
44) Trichloroethene	5.51	130	9971	3.356	ug/l	96
52) Toluene	7.62	92	6368	1.131	ug/l #	61
65) Chlorobenzene	9.80	112	18736	3.045	ug/l	92

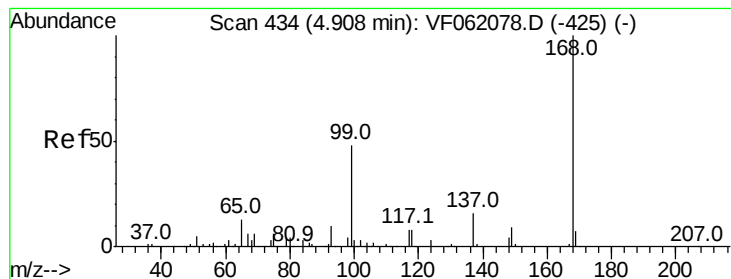
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
Data File : VF062122.D
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Instrument :
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WP022SB434-190320-(25-27)

Quant Time: Mar 25 04:17:30 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: VF062122.D

Acq: 23 Mar 2019 17:33

Instrument :

MSVOA_F

ClientSampleId :

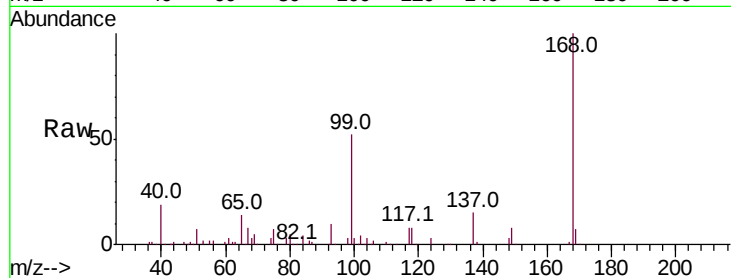
WP022SB434-190320-(25-27)

Tot Ion:168 Resp: 247939

Ion Ratio Lower Upper

168 100

99 51.7 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

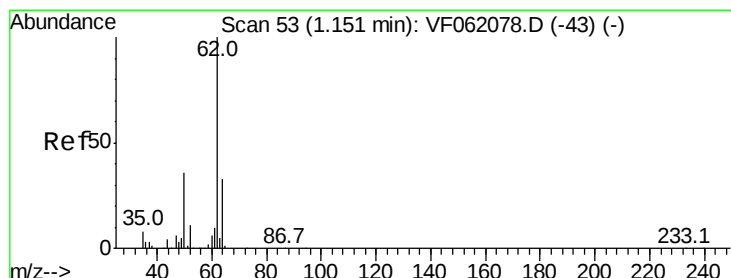
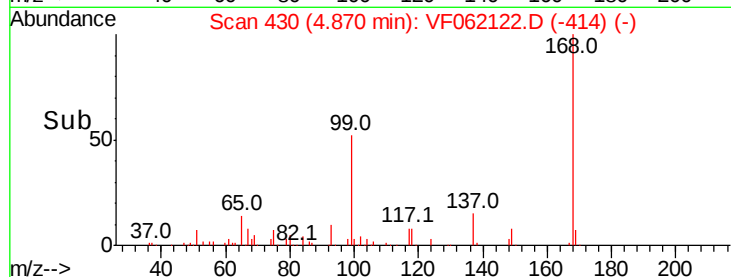
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 346.193 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062122.D

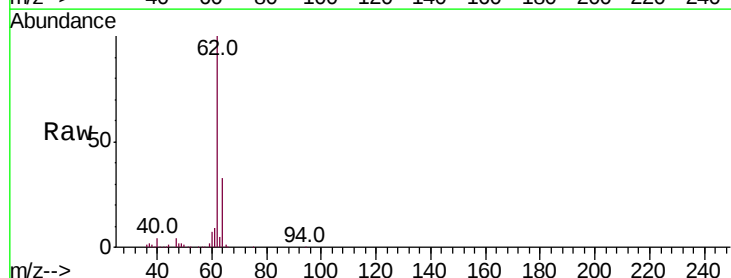
Acq: 23 Mar 2019 17:33

Tgt Ion: 62 Resp: 1064262

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.14

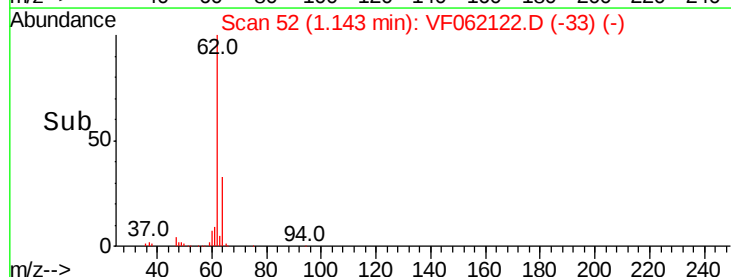
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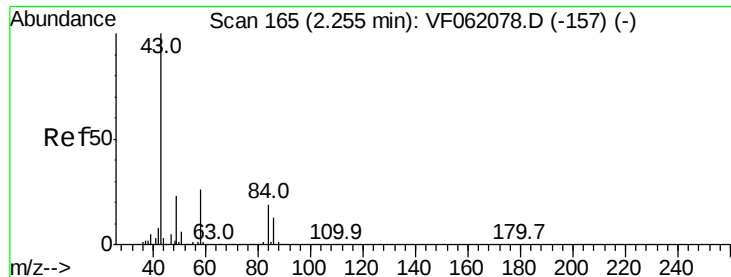
200000

100000

0

Time-->





#16

Acetone

Concen: 54.331 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

Instrument :

MSVOA_F

ClientSampleId :

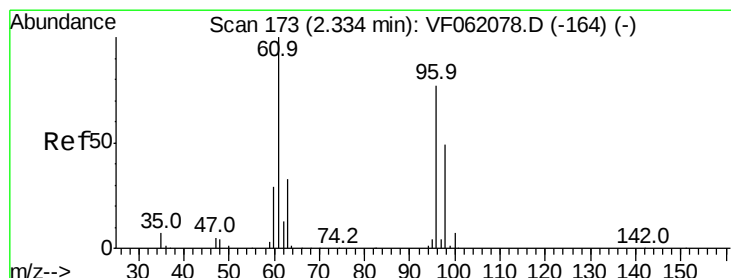
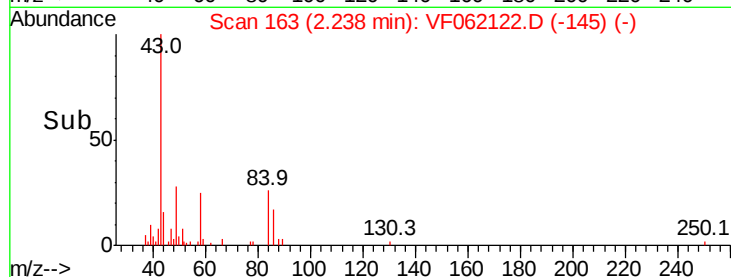
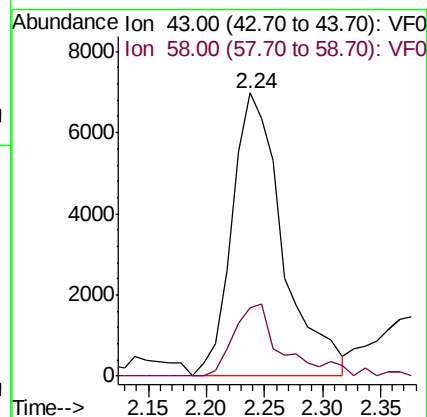
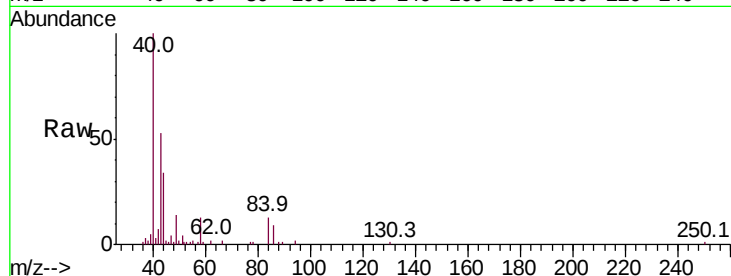
WP022SB434-190320-(25-27)

Tot Ion: 43 Resp: 21088

Ion Ratio Lower Upper

43 100

58 24.1 20.8 31.2



#21

trans-1,2-Dichloroethene

Concen: 24.300 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

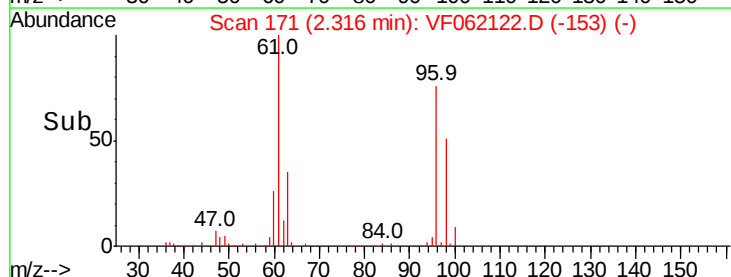
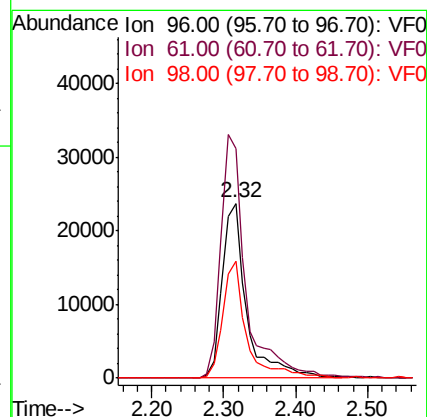
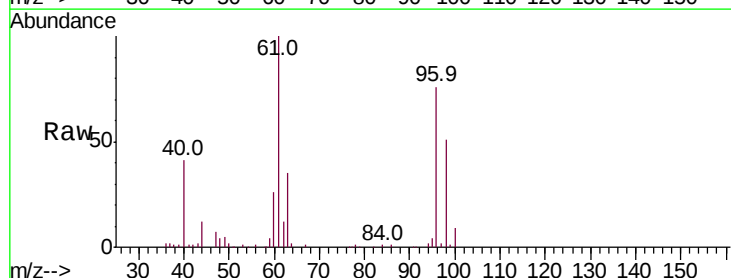
Tgt Ion: 96 Resp: 55878

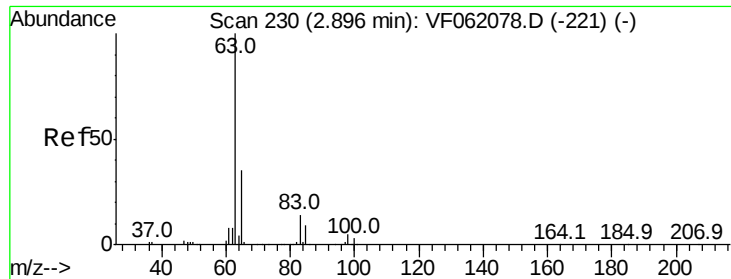
Ion Ratio Lower Upper

96 100

61 131.4 104.5 156.7

98 66.9 51.2 76.8





#24

1,1-Dichloroethane

Concen: 20.875 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

Instrument :

MSVOA_F

ClientSampleId :

WP022SB434-190320-(25-27)

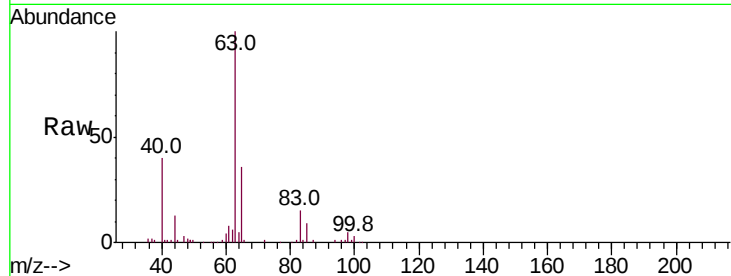
Tot Ion: 63 Resp: 83747

Ion Ratio Lower Upper

63 100

98 4.7 2.7 8.1

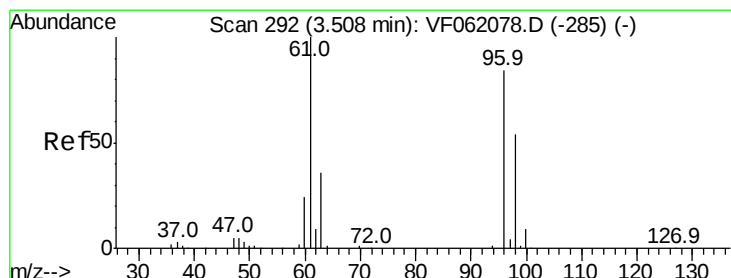
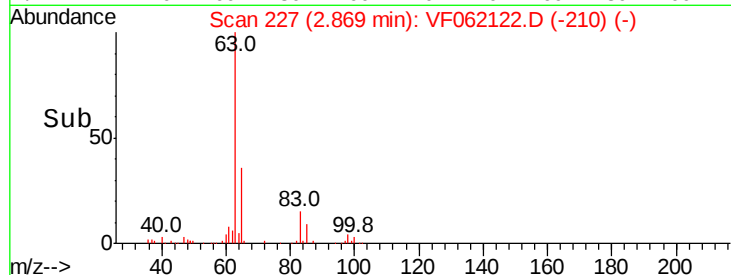
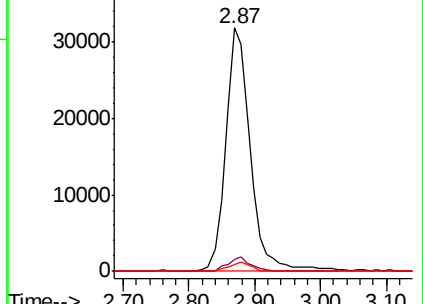
100 2.9 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 336.780 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.03 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

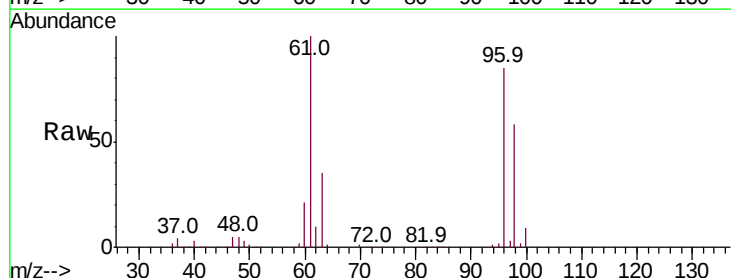
Tgt Ion: 96 Resp: 1026216

Ion Ratio Lower Upper

96 100

61 117.2 0.0 239.0

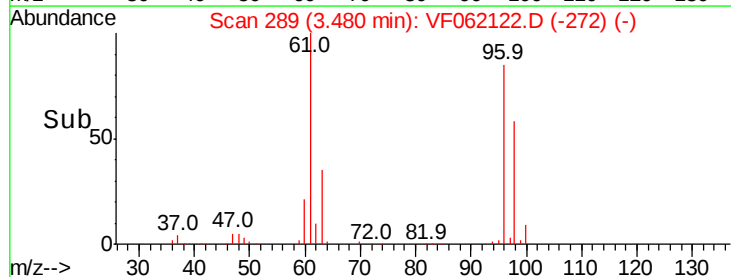
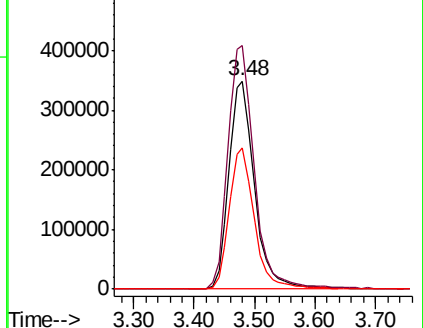
98 67.8 0.0 128.2

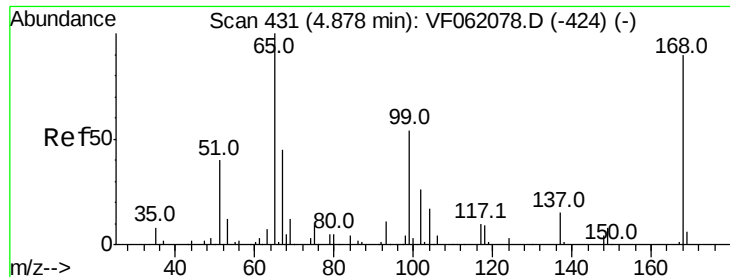


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

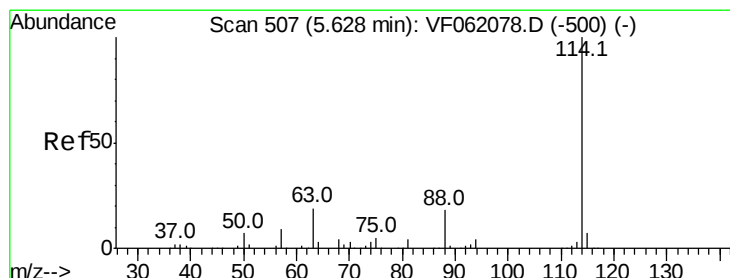
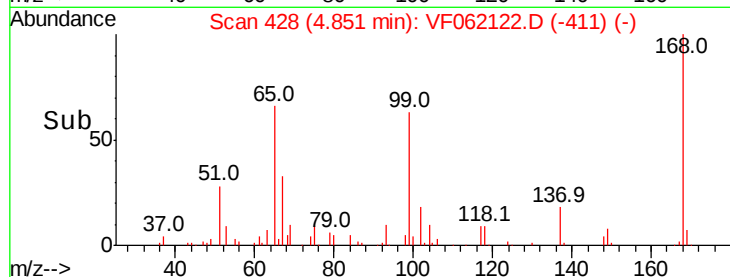
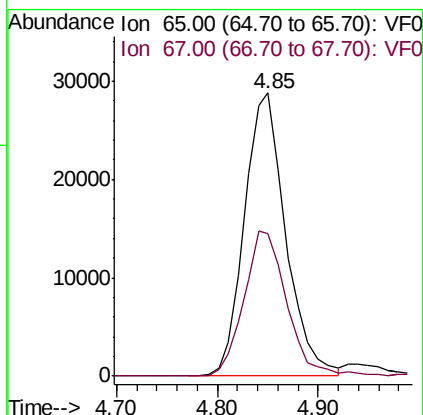
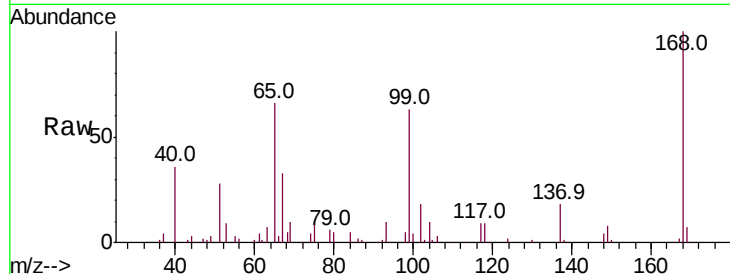




#33
 1,2-Dichloroethane-d4
 Concen: 44.464 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF062122.D
 Acq: 23 Mar 2019 17:33

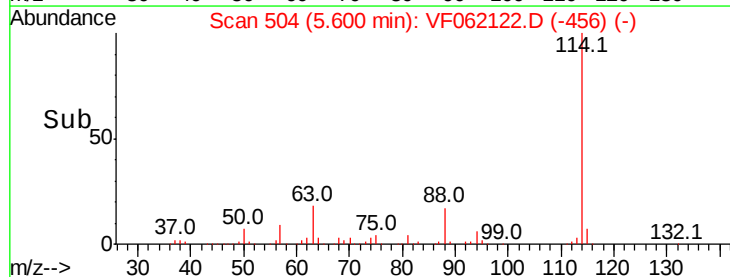
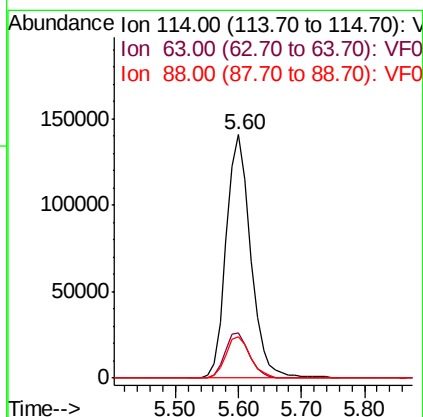
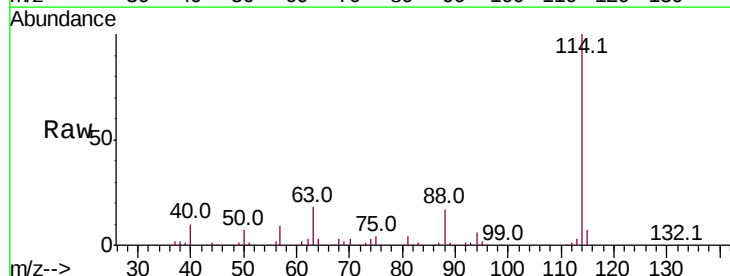
Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB434-190320-(25-27)

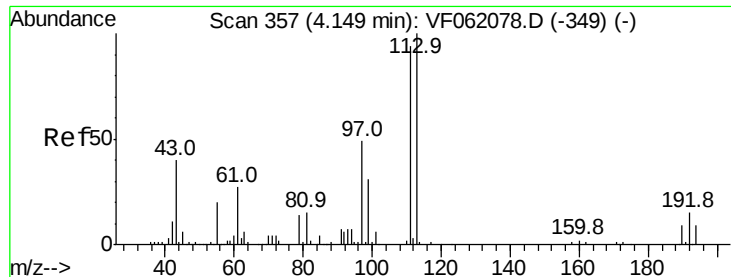
Tot Ion: 65 Resp: 82000
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VF062122.D
 Acq: 23 Mar 2019 17:33

Tgt Ion:114 Resp: 380621
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.8
 88 17.2 0.0 36.4





#35

Dibromofluoromethane

Concen: 44.797 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

Instrument :

MSVOA_F

ClientSampleId :

WP022SB434-190320-(25-27)

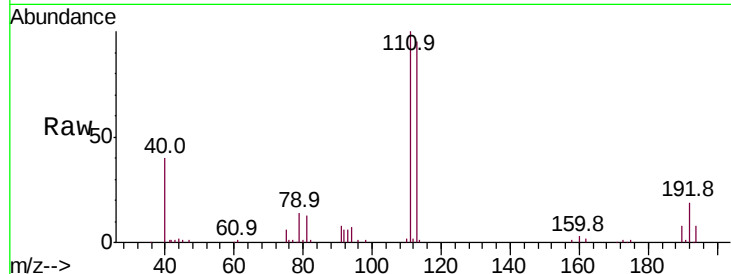
Tot Ion:113 Resp: 115341

Ion Ratio Lower Upper

113 100

111 105.2 75.4 113.0

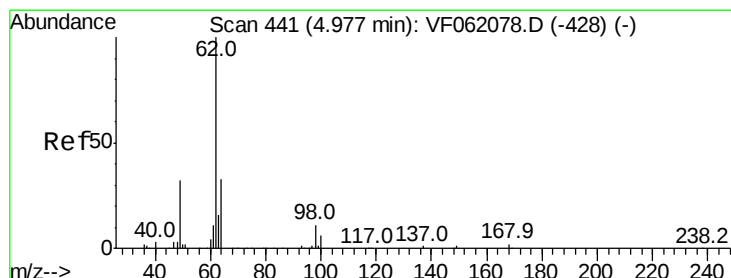
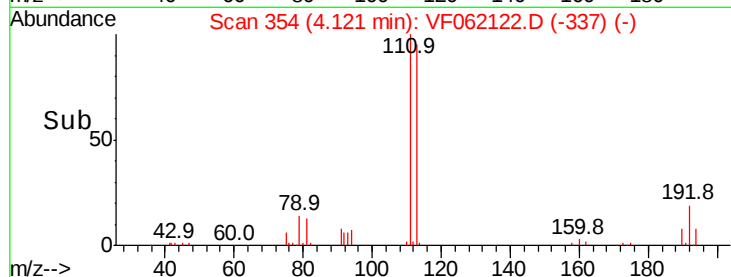
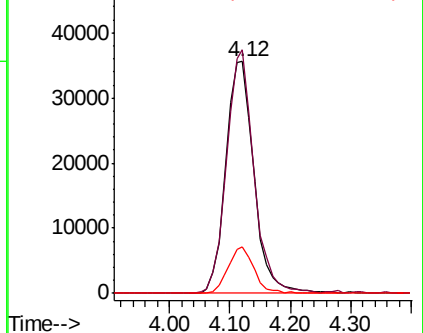
192 19.8 12.3 18.5#



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



#42

1,2-Dichloroethane

Concen: 22.008 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.04 min

Lab File: VF062122.D

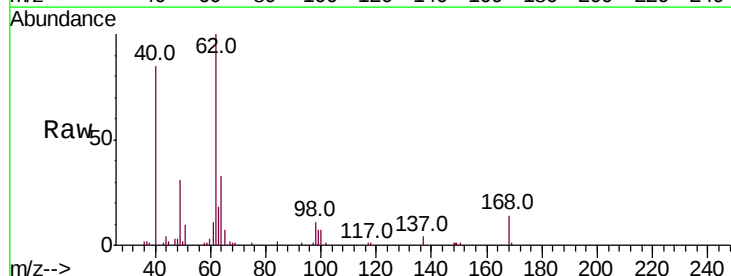
Acq: 23 Mar 2019 17:33

Tgt Ion: 62 Resp: 50582

Ion Ratio Lower Upper

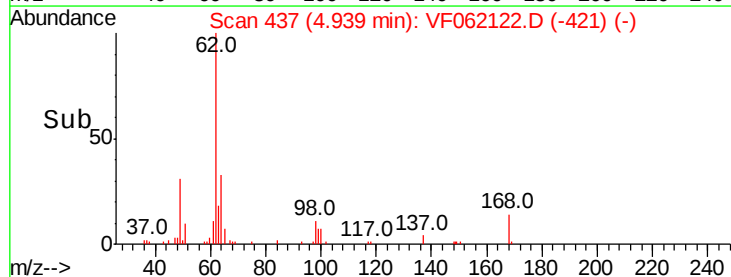
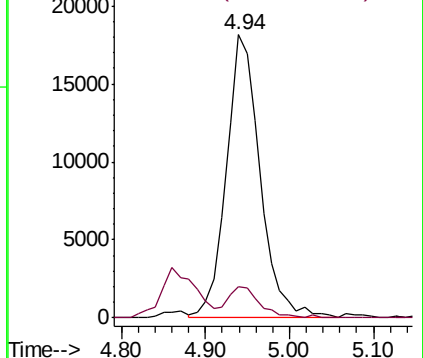
62 100

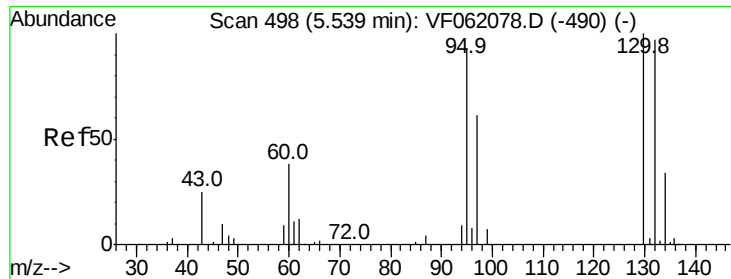
98 11.0 0.0 23.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

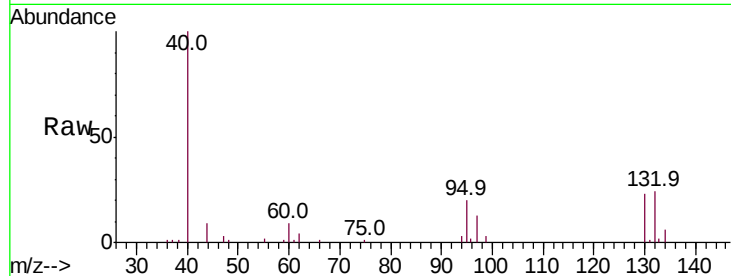




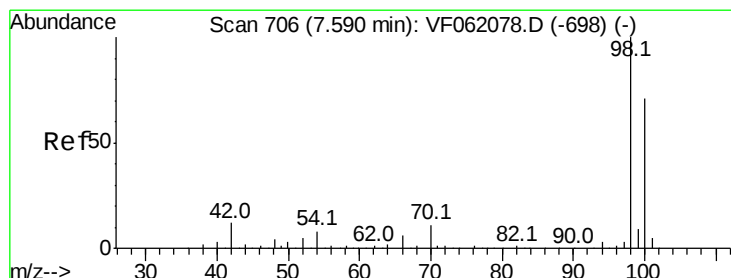
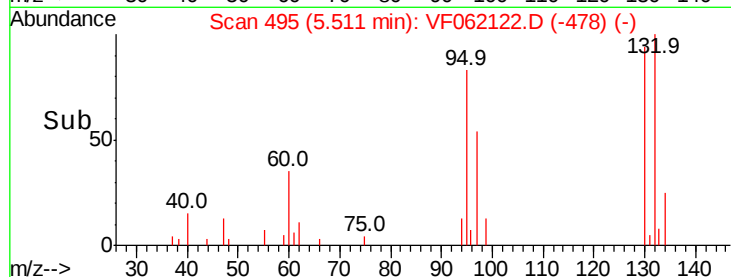
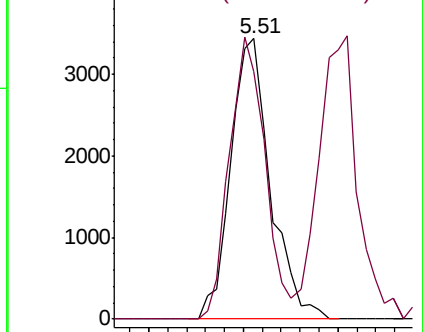
#44
 Trichloroethene
 Concen: 3.356 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VF062122.D
 Acq: 23 Mar 2019 17:33

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB434-190320-(25-27)

Tot Ion:130 Resp: 9971
 Ion Ratio Lower Upper
 130 100
 95 88.2 0.0 183.4

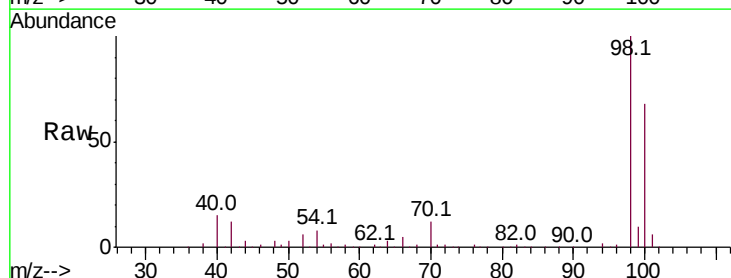


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

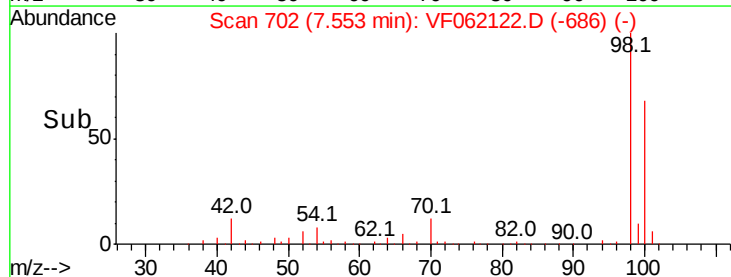
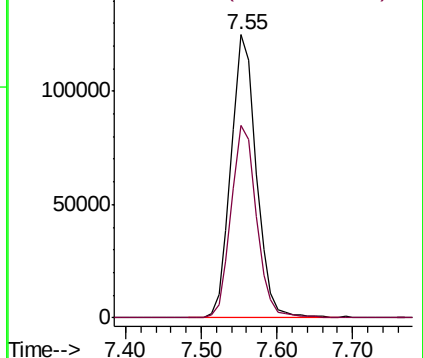


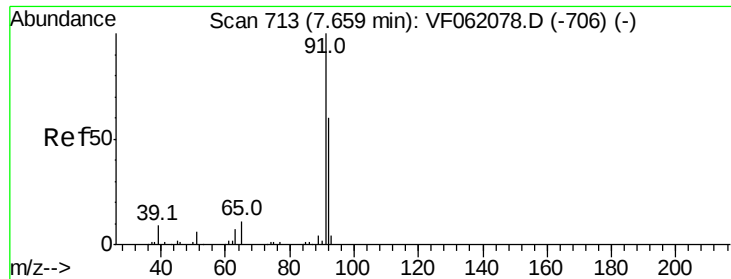
#50
 Toluene-d8
 Concen: 37.757 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.04 min
 Lab File: VF062122.D
 Acq: 23 Mar 2019 17:33

Tgt Ion: 98 Resp: 290188
 Ion Ratio Lower Upper
 98 100
 100 68.0 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 1.131 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

Instrument :

MSVOA_F

ClientSampleId :

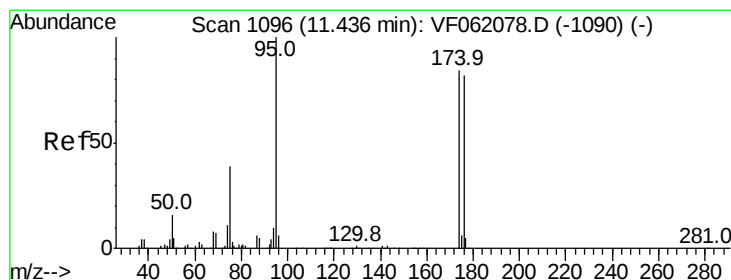
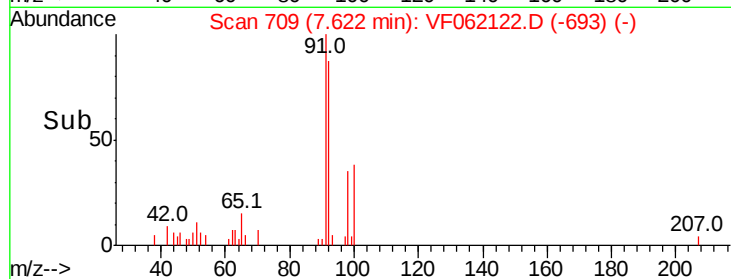
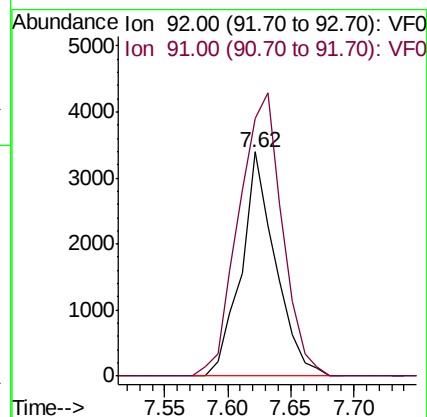
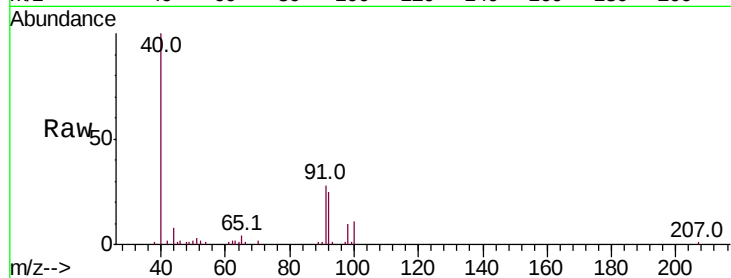
WP022SB434-190320-(25-27)

Tot Ion: 92 Resp: 6368

Ion Ratio Lower Upper

92 100

91 115.2 134.1 201.1#



#62

4-Bromofluorobenzene

Concen: 40.855 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062122.D

Acq: 23 Mar 2019 17:33

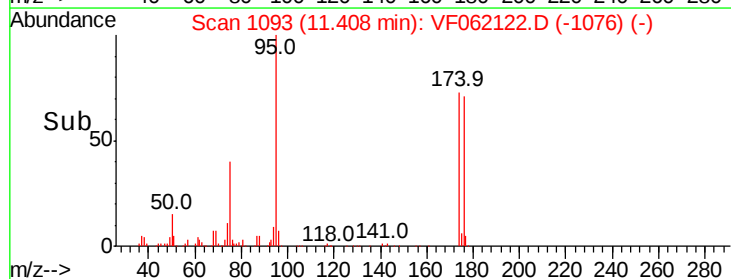
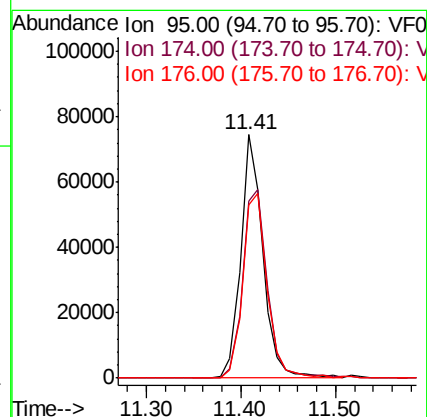
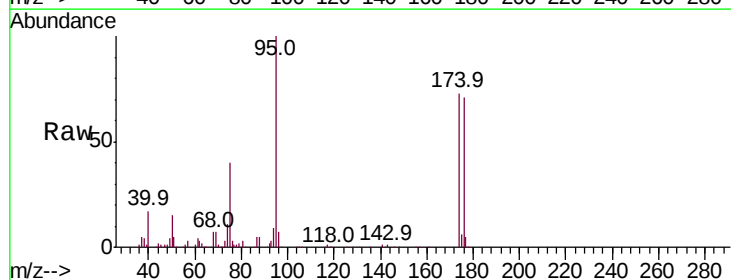
Tgt Ion: 95 Resp: 121222

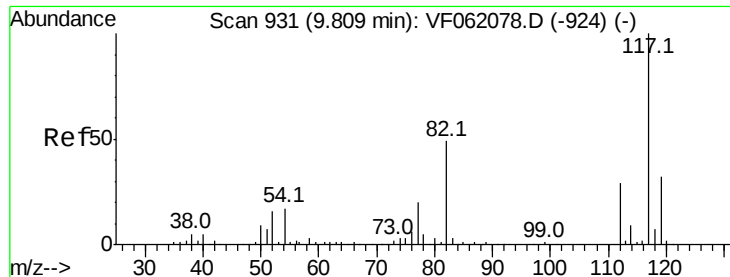
Ion Ratio Lower Upper

95 100

174 72.5 0.0 168.2

176 71.3 0.0 164.2

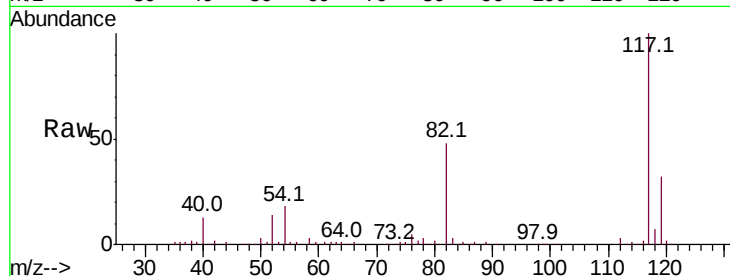




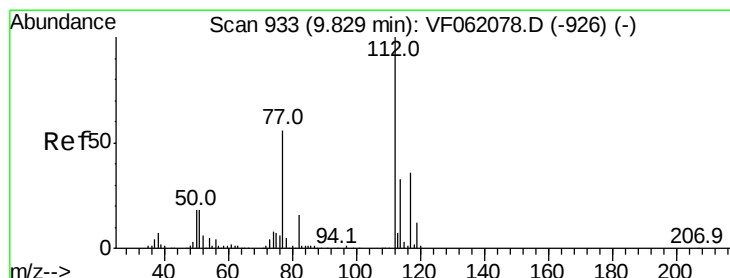
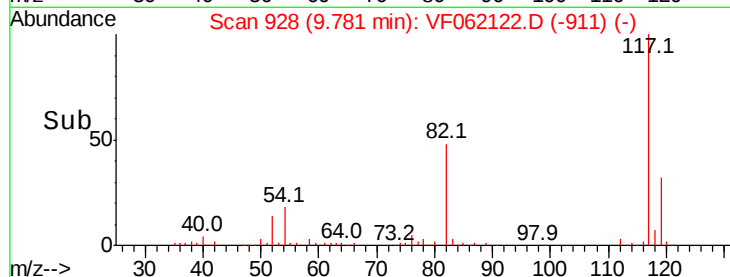
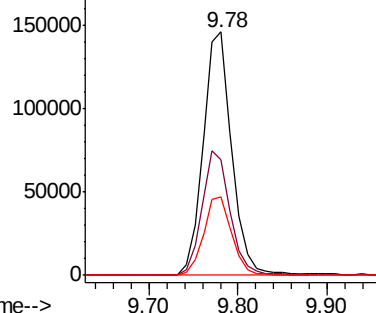
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF062122.D
Acq: 23 Mar 2019 17:33

Instrument :
MSVOA_F
ClientSampleId :
WP022SB434-190320-(25-27)

Tot Ion:117 Resp: 328878
Ion Ratio Lower Upper
117 100
82 47.6 39.2 58.8
119 32.5 25.4 38.2

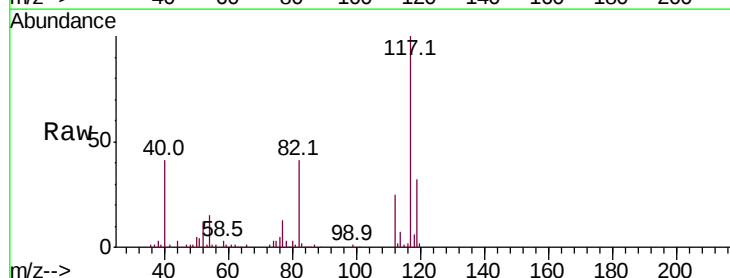


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

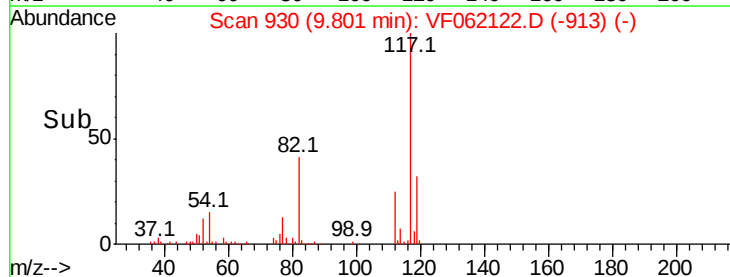
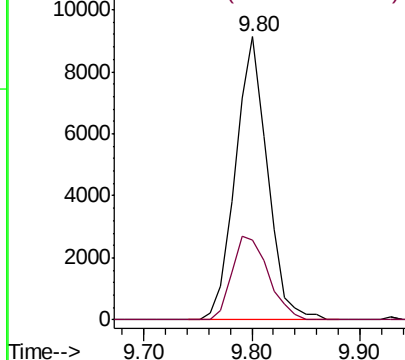


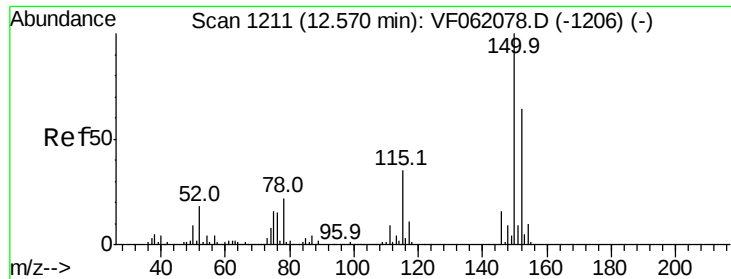
#65
Chlorobenzene
Concen: 3.045 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF062122.D
Acq: 23 Mar 2019 17:33

Tgt Ion:112 Resp: 18736
Ion Ratio Lower Upper
112 100
114 28.1 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: VF062122.D

Acq: 23 Mar 2019 17:33

Instrument :

MSVOA_F

ClientSampleId :

WP022SB434-190320-(25-27)

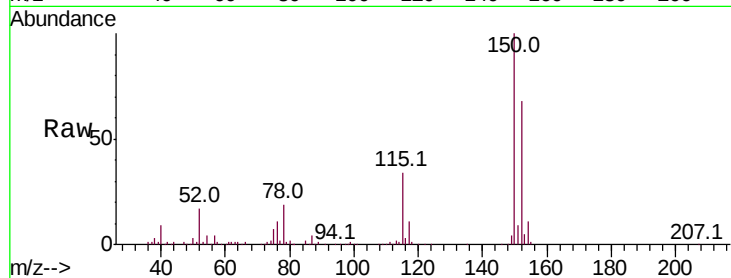
Tot Ion:152 Resp: 171603

Ion Ratio Lower Upper

152 100

115 49.1 27.7 83.1

150 146.1 0.0 313.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

