

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062229.D
 Acq On : 19 Apr 2019 17:13
 Operator : FY/SY
 Sample : K2442-14RE
 Misc : 5.15g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-21-D2

Quant Time: Apr 19 23:02:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	548895	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	784889	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	598055	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	356569	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	215649	42.85	ug/l	0.02
Spiked Amount			Recovery	=	85.70%	
35) Dibromofluoromethane	4.31	113	310473	45.22	ug/l	0.01
Spiked Amount			Recovery	=	90.44%	
50) Toluene-d8	7.72	98	698914	40.21	ug/l	0.02
Spiked Amount			Recovery	=	80.42%	
62) 4-Bromofluorobenzene	11.50	95	308739	46.18	ug/l	0.02
Spiked Amount			Recovery	=	92.36%	

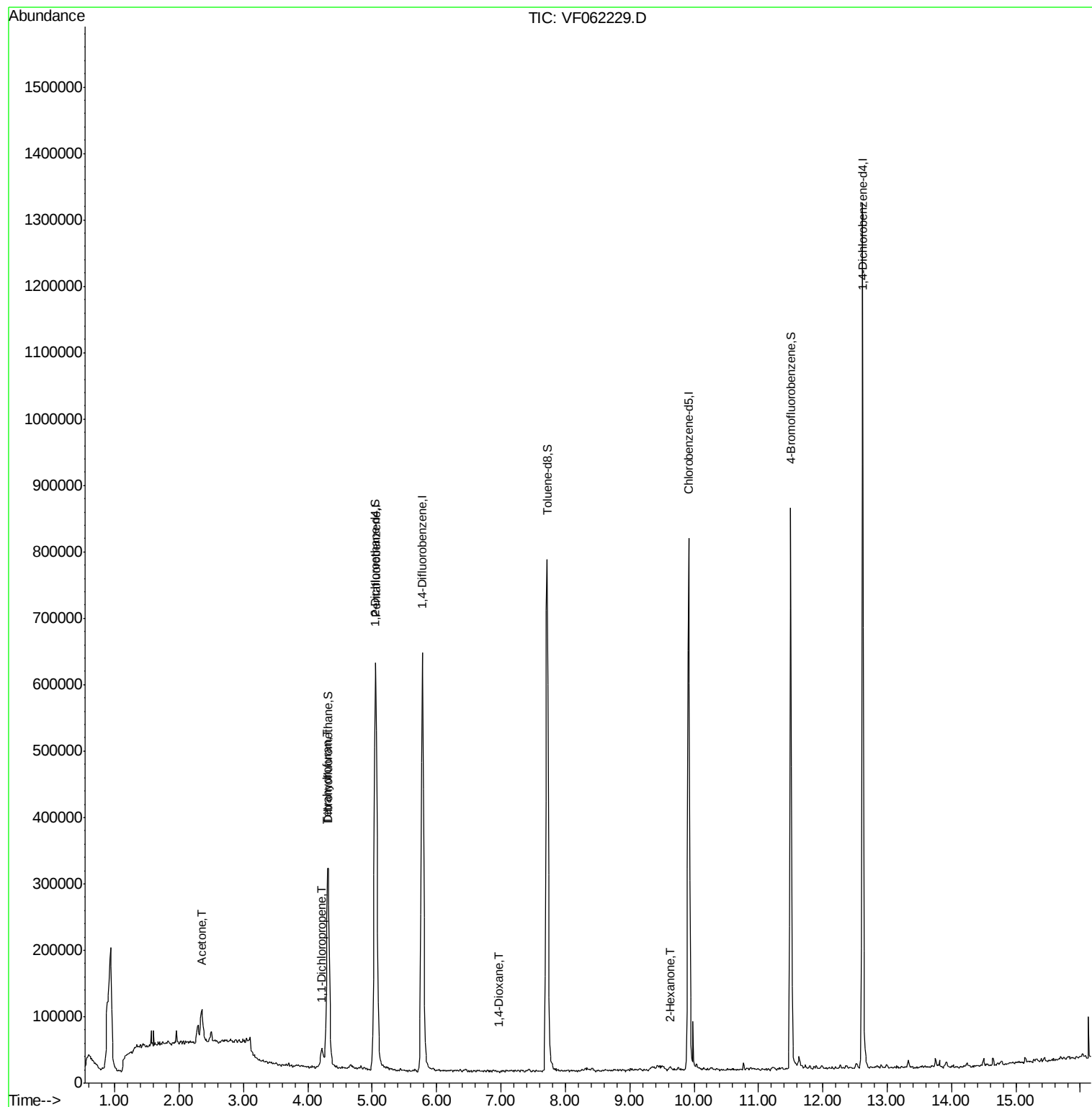
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.10	56	1657	Below Cal	#	78
16) Acetone	2.36	43	18999	15.793	ug/l	100
18) Methyl Acetate	2.50	43	7459	Below Cal	#	90
20) Methylene Chloride	2.36	84	29854	Below Cal		91
29) Tetrahydrofuran	4.30	42	2880	2.645	ug/l	94
36) 1,1-Dichloropropene	4.22	75	56923	6.049	ug/l #	43
49) 1,4-Dioxane	6.97	88	66	1.875	ug/l #	56
59) 2-Hexanone	9.63	43	4827	2.364	ug/l	91
74) N-amyl acetate	11.45	43	2253	Below Cal	#	54
89) n-Butylbenzene	12.90	91	3395	Below Cal		85

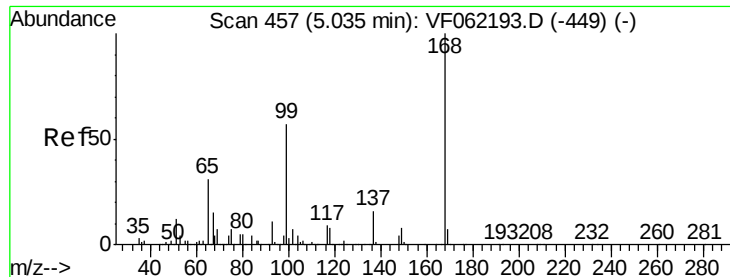
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062229.D

Acq: 19 Apr 2019 17:13

Instrument :

MSVOA_F

ClientSampleId :

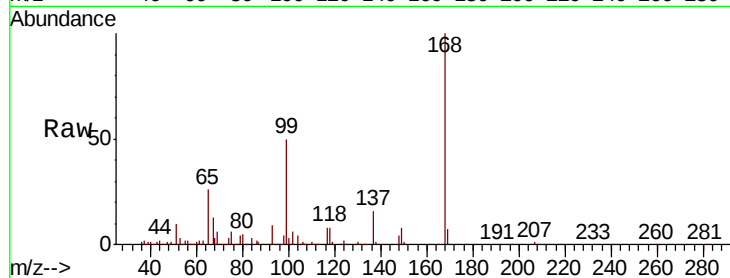
TP-21-D2

Tot Ion:168 Resp: 548895

Ion Ratio Lower Upper

168 100

99 49.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

200000

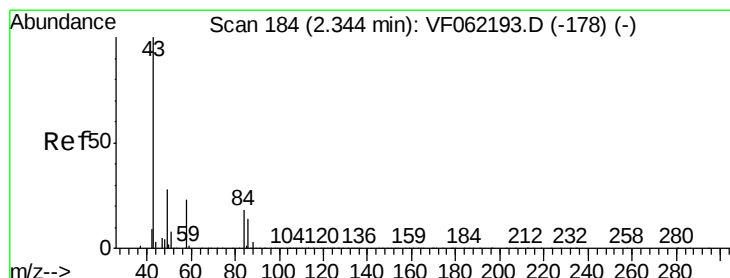
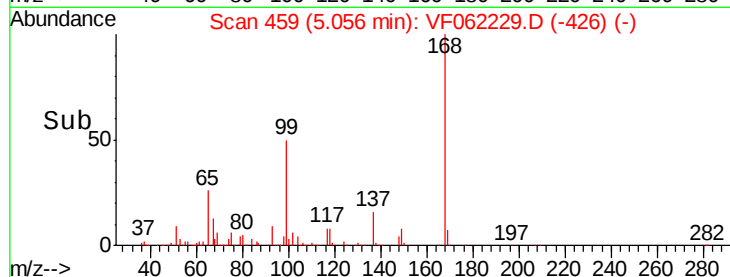
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 15.793 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062229.D

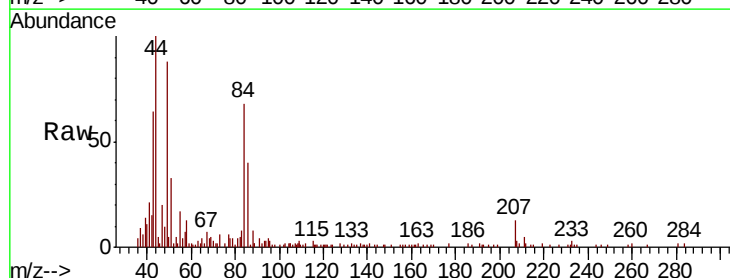
Acq: 19 Apr 2019 17:13

Tgt Ion: 43 Resp: 18999

Ion Ratio Lower Upper

43 100

58 23.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

10000

8000

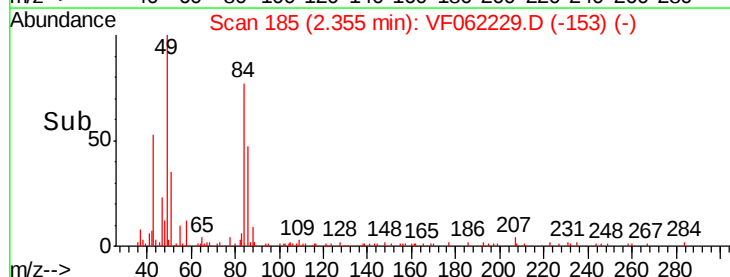
6000

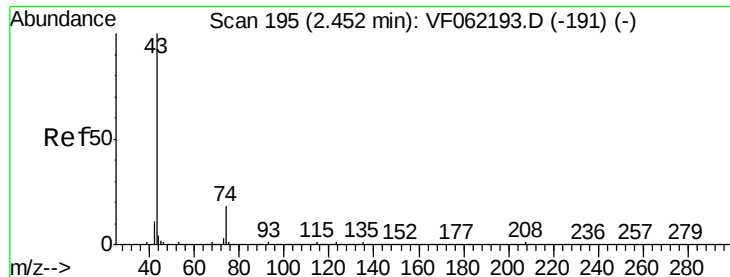
4000

2000

0

Time--> 2.20 2.30 2.40

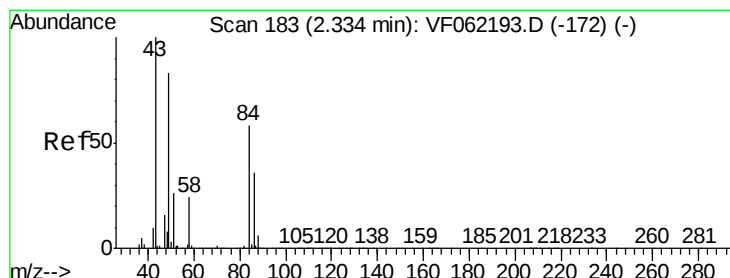
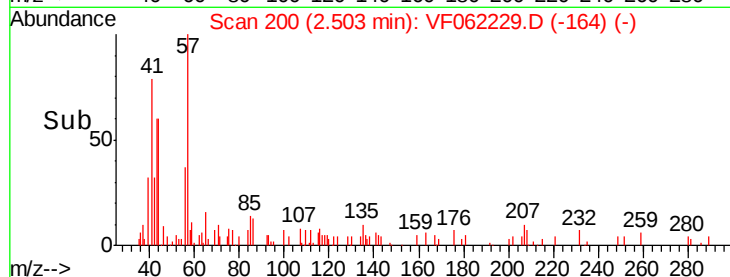
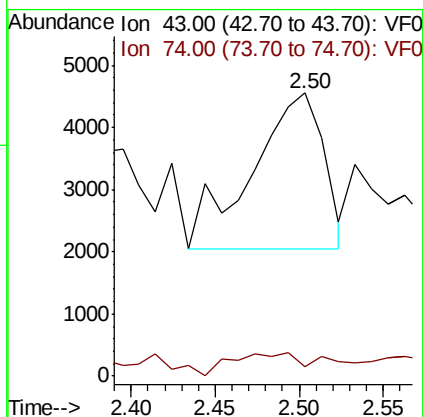
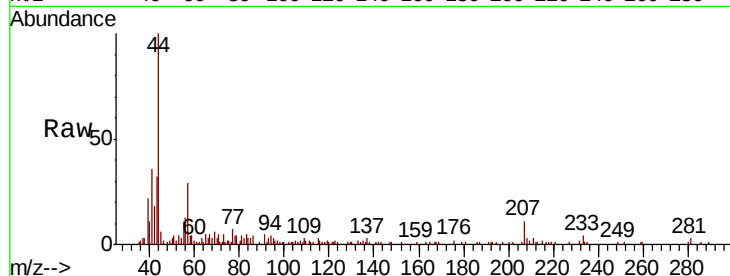




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF062229.D
Acq: 19 Apr 2019 17:13

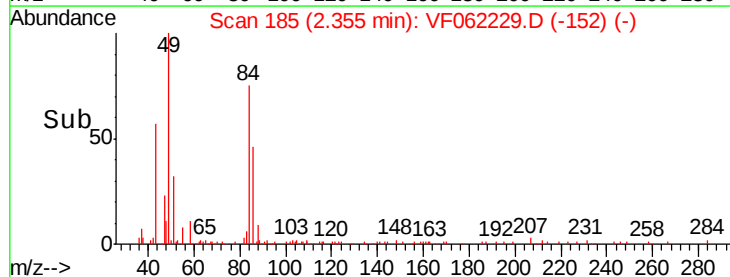
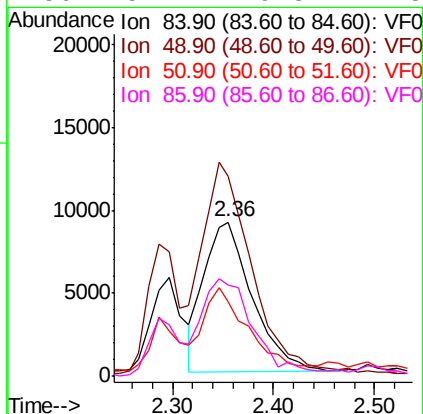
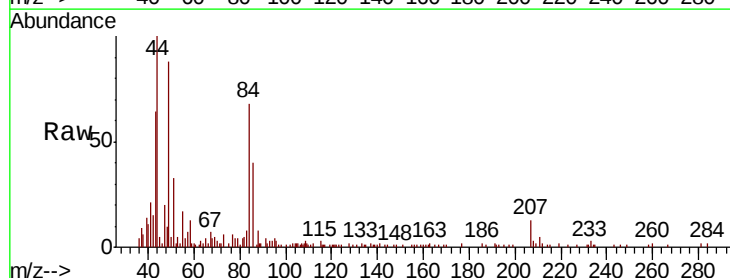
Instrument :
MSVOA_F
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TP-21-D2

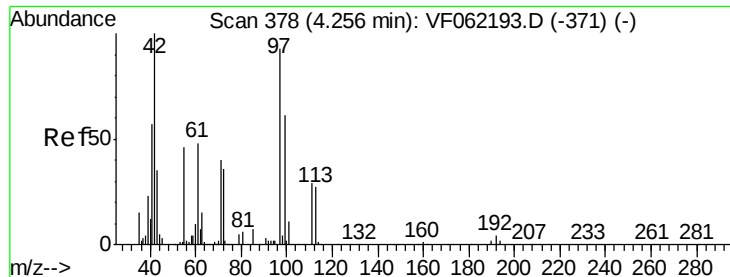
Tot Ion: 43 Resp: 7459
Ion Ratio Lower Upper
43 100
74 13.8 14.5 21.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062229.D
Acq: 19 Apr 2019 17:13

Tgt Ion: 84 Resp: 29854
Ion Ratio Lower Upper
84 100
49 130.0 114.0 171.0
51 41.8 37.0 55.4
86 57.1 49.8 74.8





#29

Tetrahydrofuran

Concen: 2.645 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062229.D

Acq: 19 Apr 2019 17:13

Instrument :

MSVOA_F

ClientSampled :

TP-21-D2

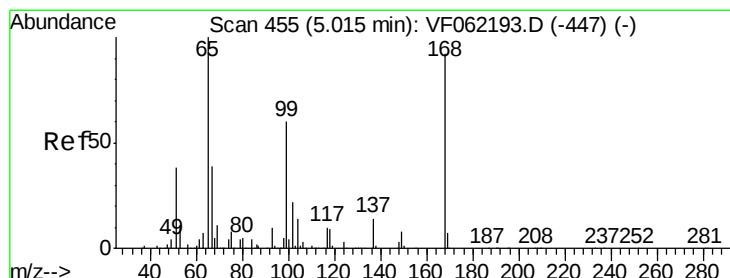
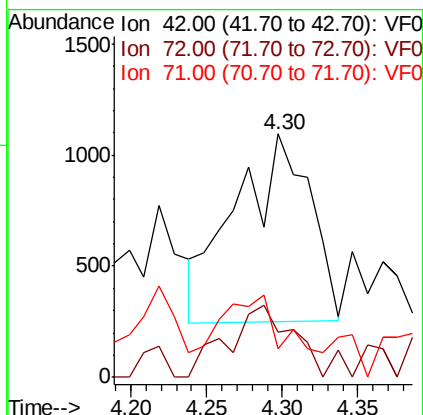
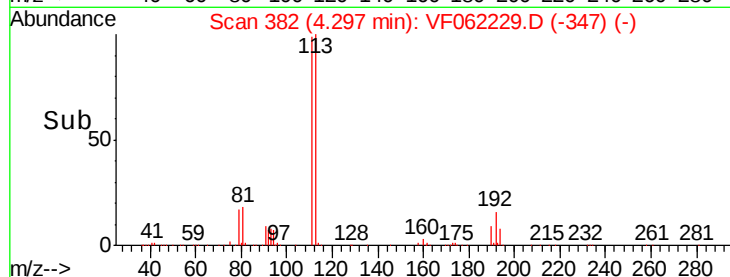
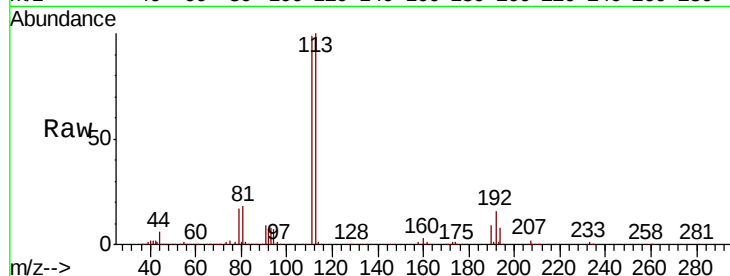
Tot Ion: 42 Resp: 2880

Ion Ratio Lower Upper

42 100

72 33.2 28.6 43.0

71 41.1 29.2 43.8



#33

1,2-Dichloroethane-d4

Concen: 42.846 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062229.D

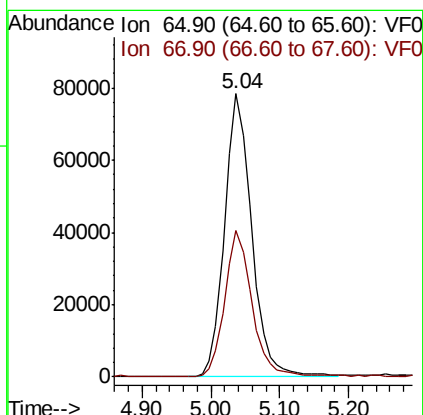
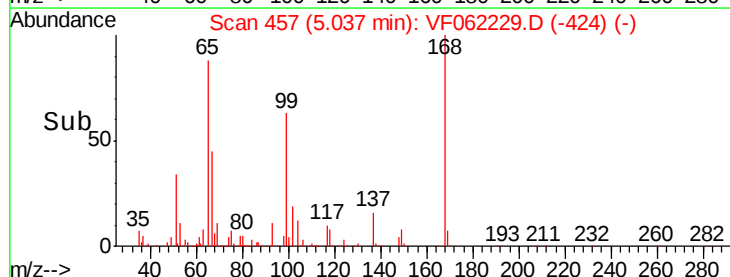
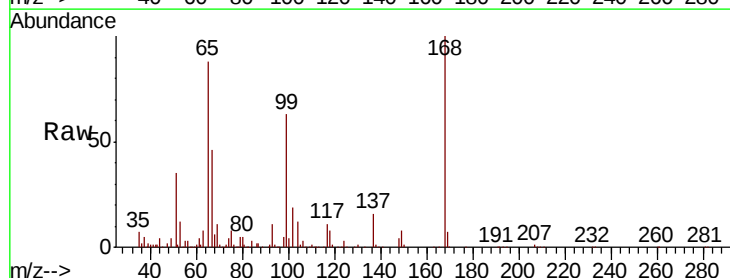
Acq: 19 Apr 2019 17:13

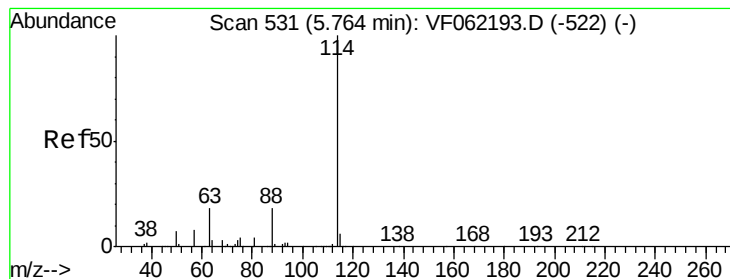
Tgt Ion: 65 Resp: 215649

Ion Ratio Lower Upper

65 100

67 52.1 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062229.D

Acq: 19 Apr 2019 17:13

Instrument :

MSVOA_F

ClientSampleId :

TP-21-D2

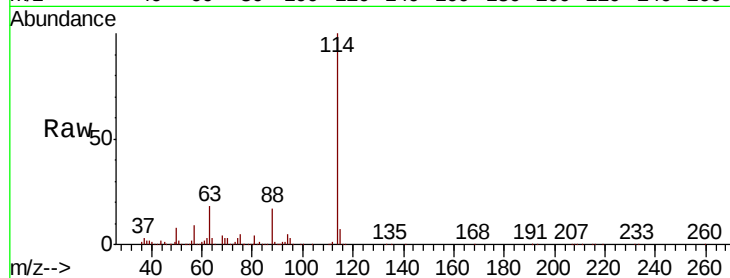
Tot Ion:114 Resp: 784889

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.6

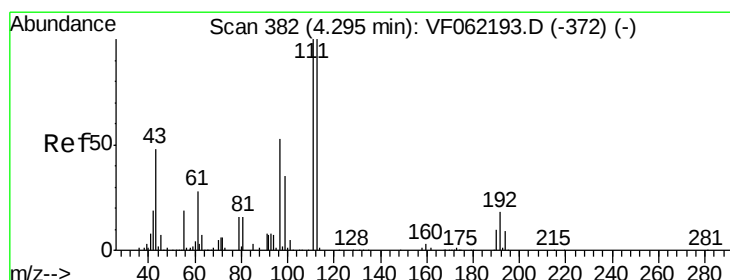
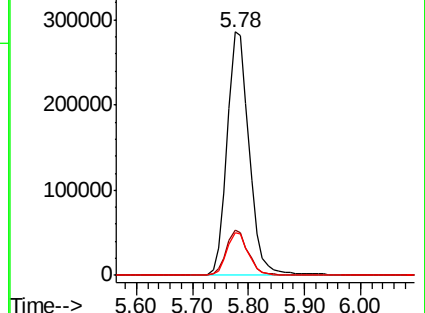
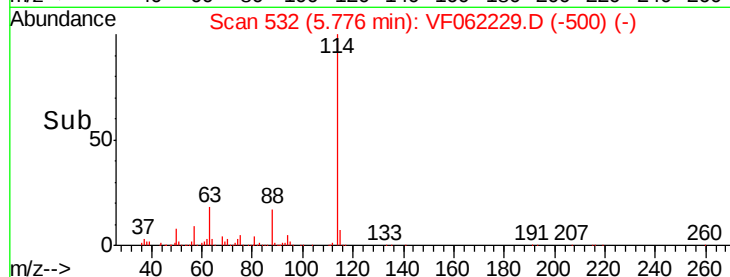
88 17.4 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 45.221 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062229.D

Acq: 19 Apr 2019 17:13

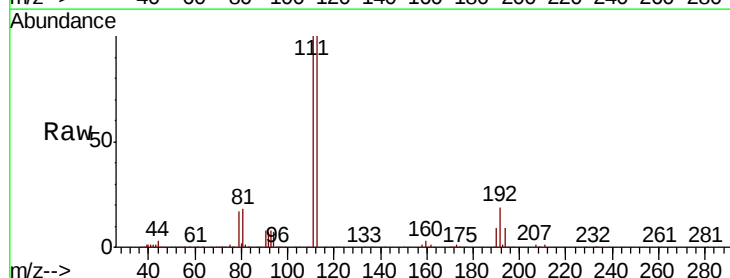
Tgt Ion:113 Resp: 310473

Ion Ratio Lower Upper

113 100

111 100.9 81.1 121.7

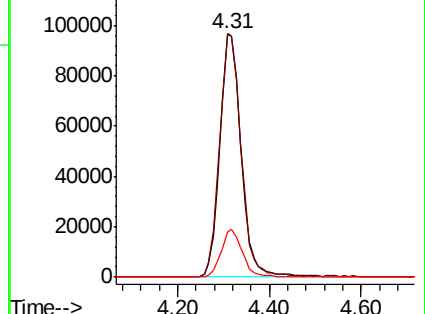
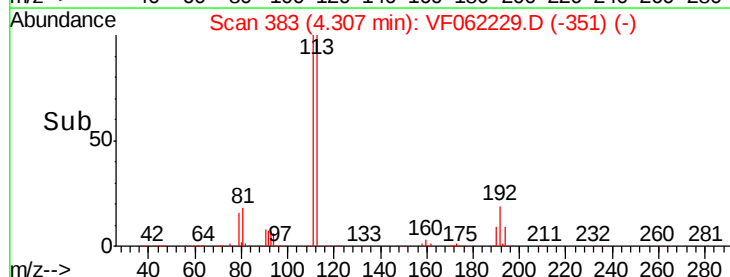
192 19.5 14.7 22.1

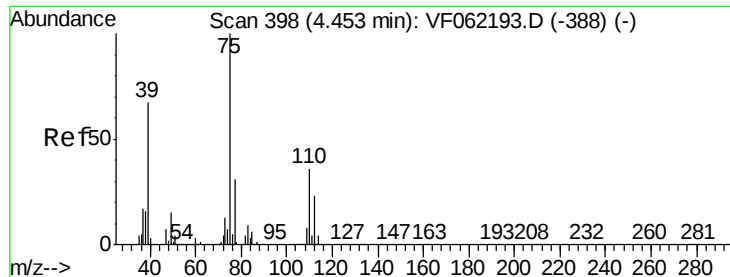


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

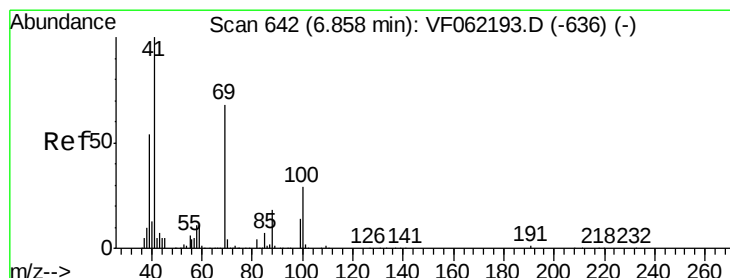
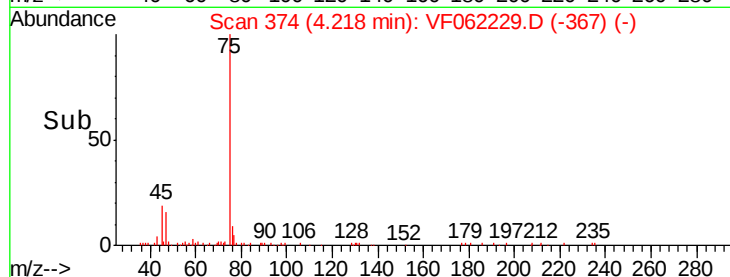
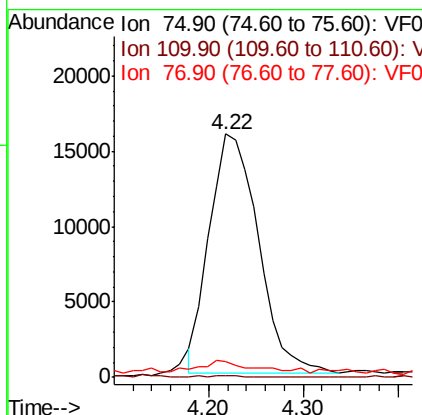
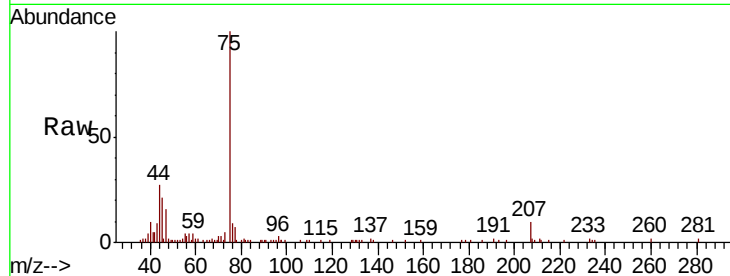




#36
 1,1-Dichloropropene
 Concen: 6.049 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.23 min
 Lab File: VF062229.D
 Acq: 19 Apr 2019 17:13

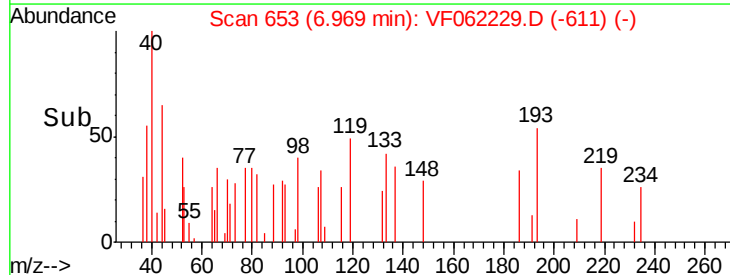
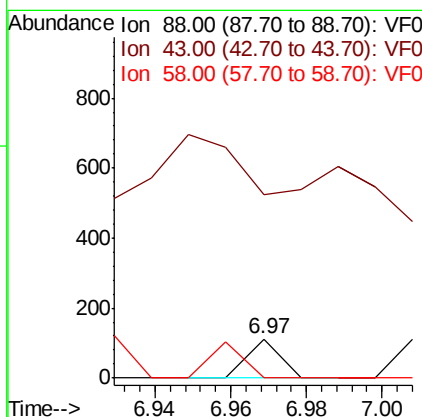
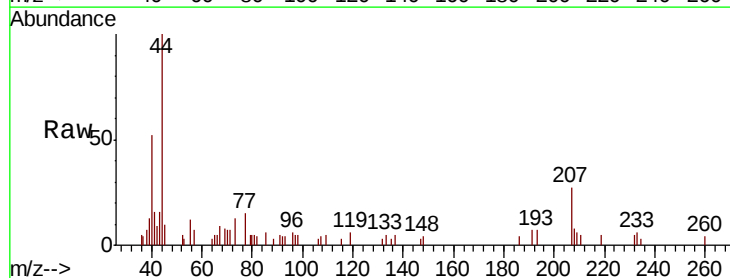
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-21-D2

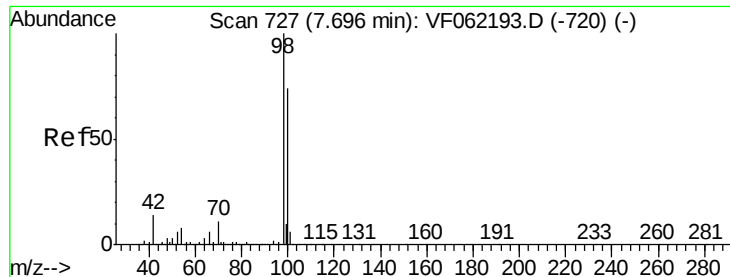
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.5	18.4	55.2#
77	2.6	25.4	38.2#



#49
 1,4-Dioxane
 Concen: 1.875 ug/l
 RT: 6.97 min Scan# 653
 Delta R.T. 0.11 min
 Lab File: VF062229.D
 Acq: 19 Apr 2019 17:13

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	36.9	55.3#
58	93.9	56.8	85.2#





#50

Toluene-d8

Concen: 40.215 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062229.D

Acq: 19 Apr 2019 17:13

Instrument :

MSVOA_F

ClientSampleId :

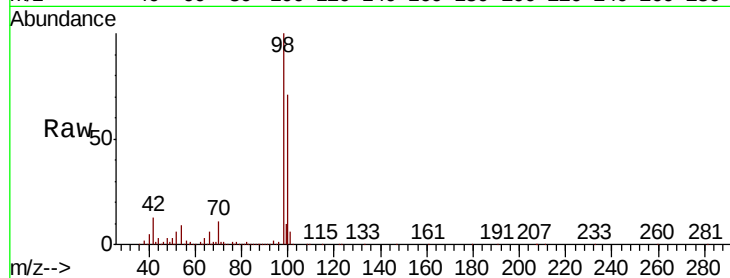
TP-21-D2

Tot Ion: 98 Resp: 698914

Ion Ratio Lower Upper

98 100

100 70.0 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.72

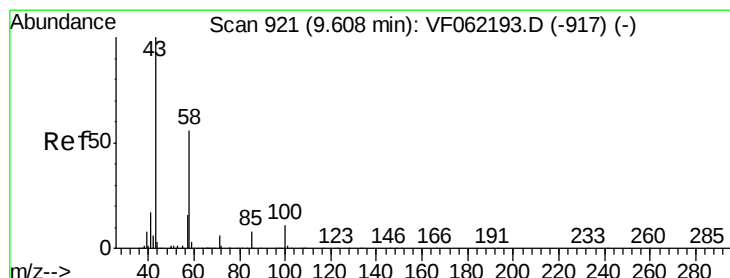
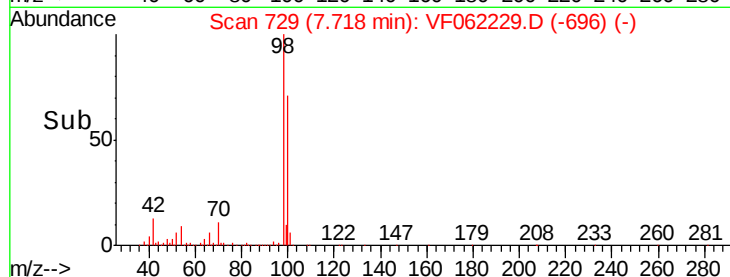
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 2.364 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.02 min

Lab File: VF062229.D

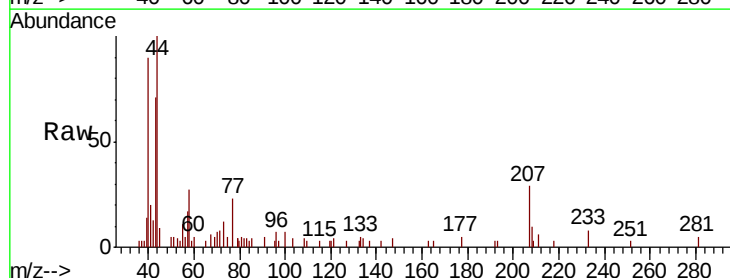
Acq: 19 Apr 2019 17:13

Tgt Ion: 43 Resp: 4827

Ion Ratio Lower Upper

43 100

58 55.7 24.6 74.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.63

3000

2500

2000

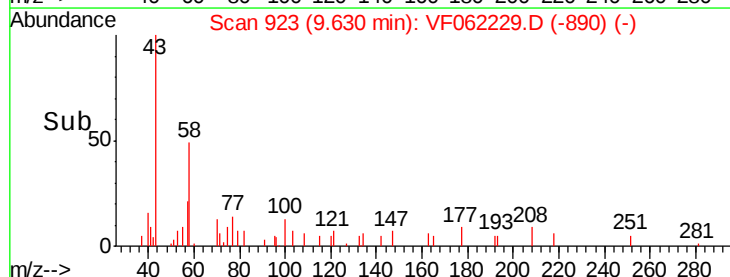
1500

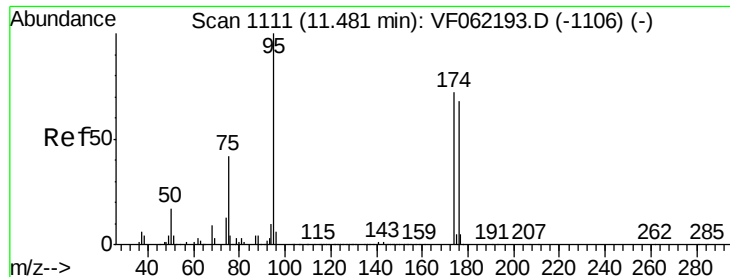
1000

500

0

Time-->

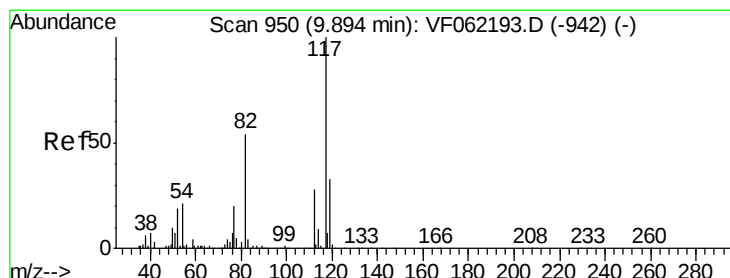
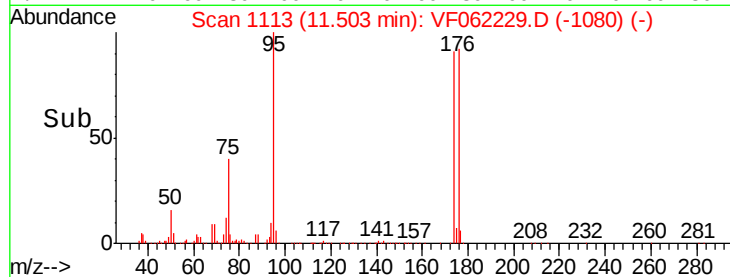
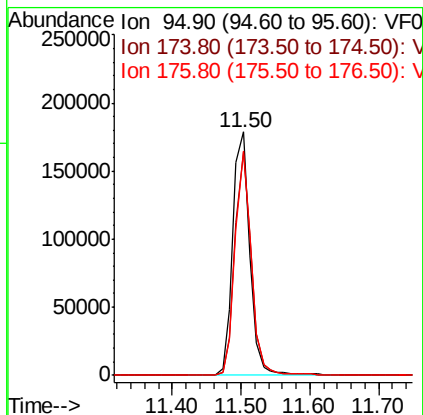
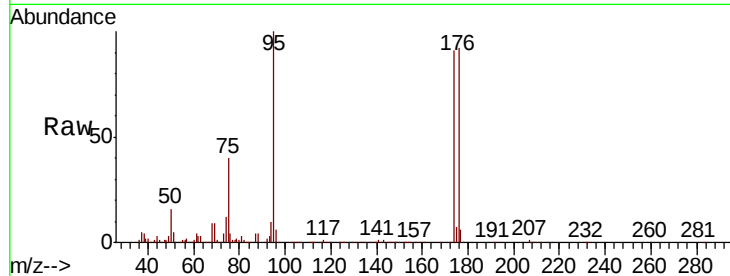




#62
4-Bromofluorobenzene
Concen: 46.178 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062229.D
Acq: 19 Apr 2019 17:13

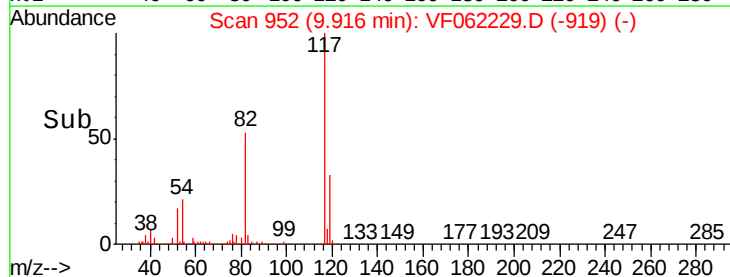
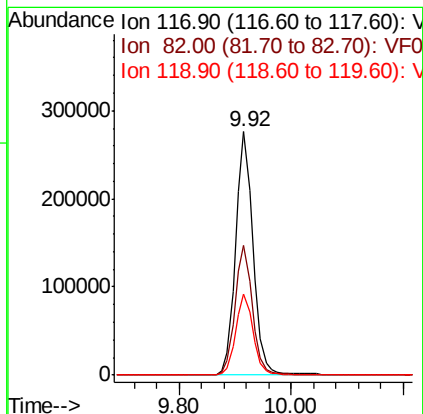
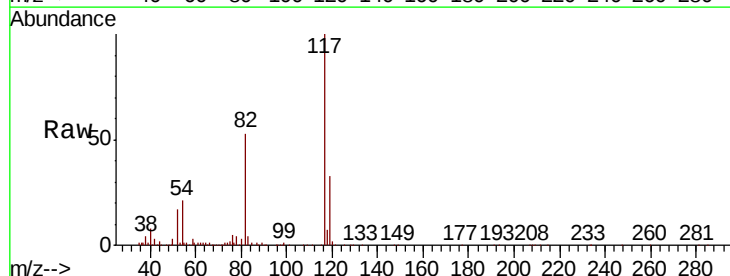
Instrument :
MSVOA_F
ClientSampleId :
TP-21-D2

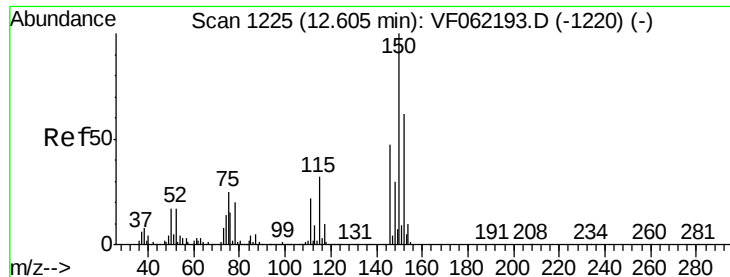
Tot Ion: 95 Resp: 308739
Ion Ratio Lower Upper
95 100
174 88.0 0.0 159.4
176 87.7 0.0 155.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062229.D
Acq: 19 Apr 2019 17:13

Tgt Ion: 117 Resp: 598055
Ion Ratio Lower Upper
117 100
82 53.3 43.2 64.8
119 33.2 26.2 39.4



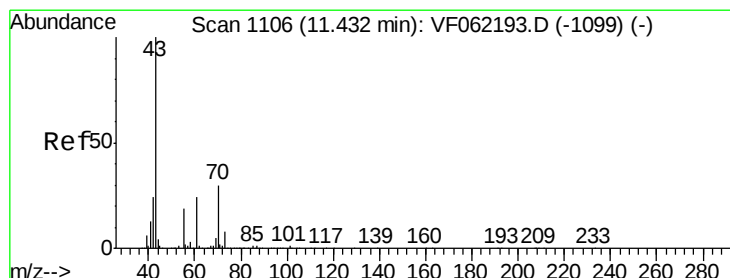
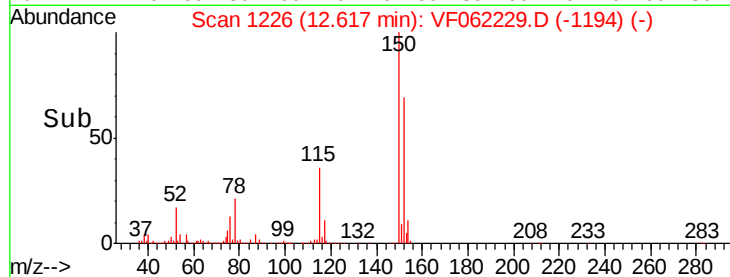
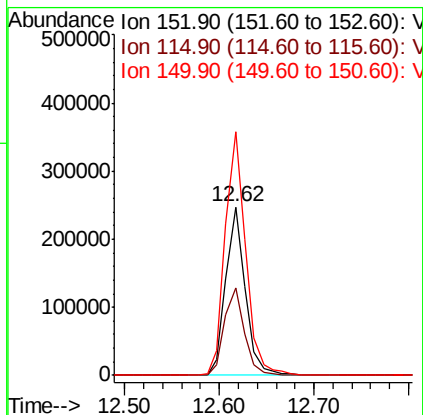
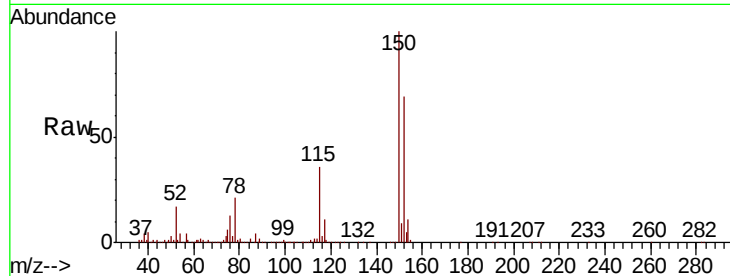


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062229.D
Acq: 19 Apr 2019 17:13

Instrument :
MSVOA_F
ClientSampleId :
TP-21-D2

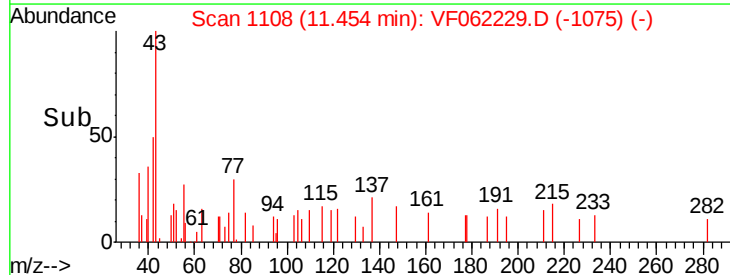
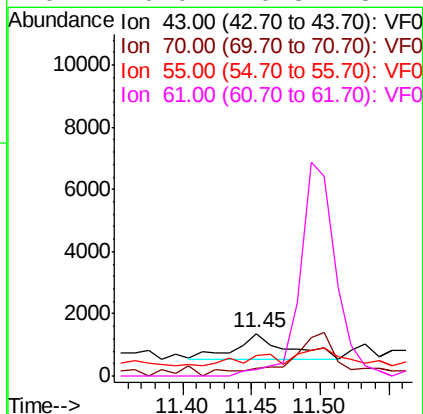
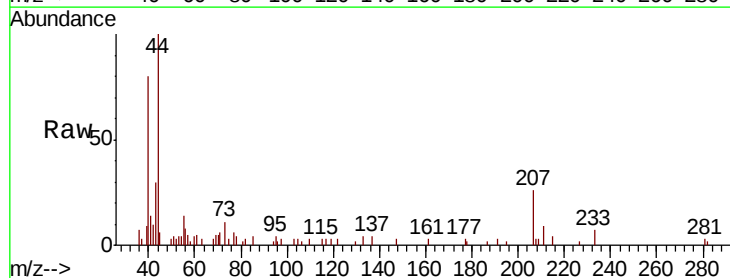
Tot Ion:152 Resp: 356569
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.3
150 151.3 0.0 341.8

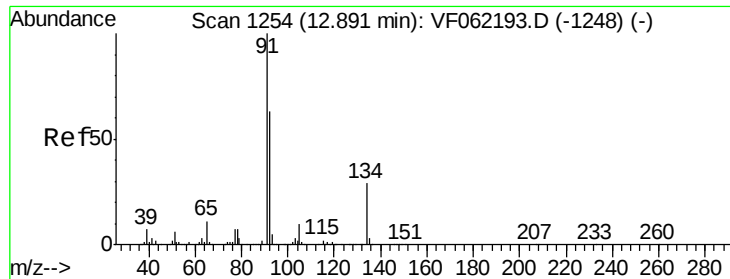


#74

N-amil acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VF062229.D
Acq: 19 Apr 2019 17:13

Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
70 0.0 27.0 40.4#
55 27.7 15.7 23.5#
61 0.0 20.8 31.2#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062229.D

Acq: 19 Apr 2019 17:13

Instrument :

MSVOA_F

ClientSampleId :

TP-21-D2

Tot Ion: 91 Resp: 3395

Ion Ratio Lower Upper

91 100

92 50.8 31.2 93.6

134 33.0 13.1 39.1

