

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062747.D
 Acq On : 24 May 2019 15:10
 Operator : FY/SY
 Sample : K3026-06RE
 Misc : 3.96g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5-D2RE

Quant Time: May 24 23:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	696858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1150890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	608941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	169525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	250657	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	4.32	113	429287	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	7.72	98	823367	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	
62) 4-Bromofluorobenzene	11.49	95	192173	24.10	ug/l	0.00
Spiked Amount			Recovery	=	48.20%	

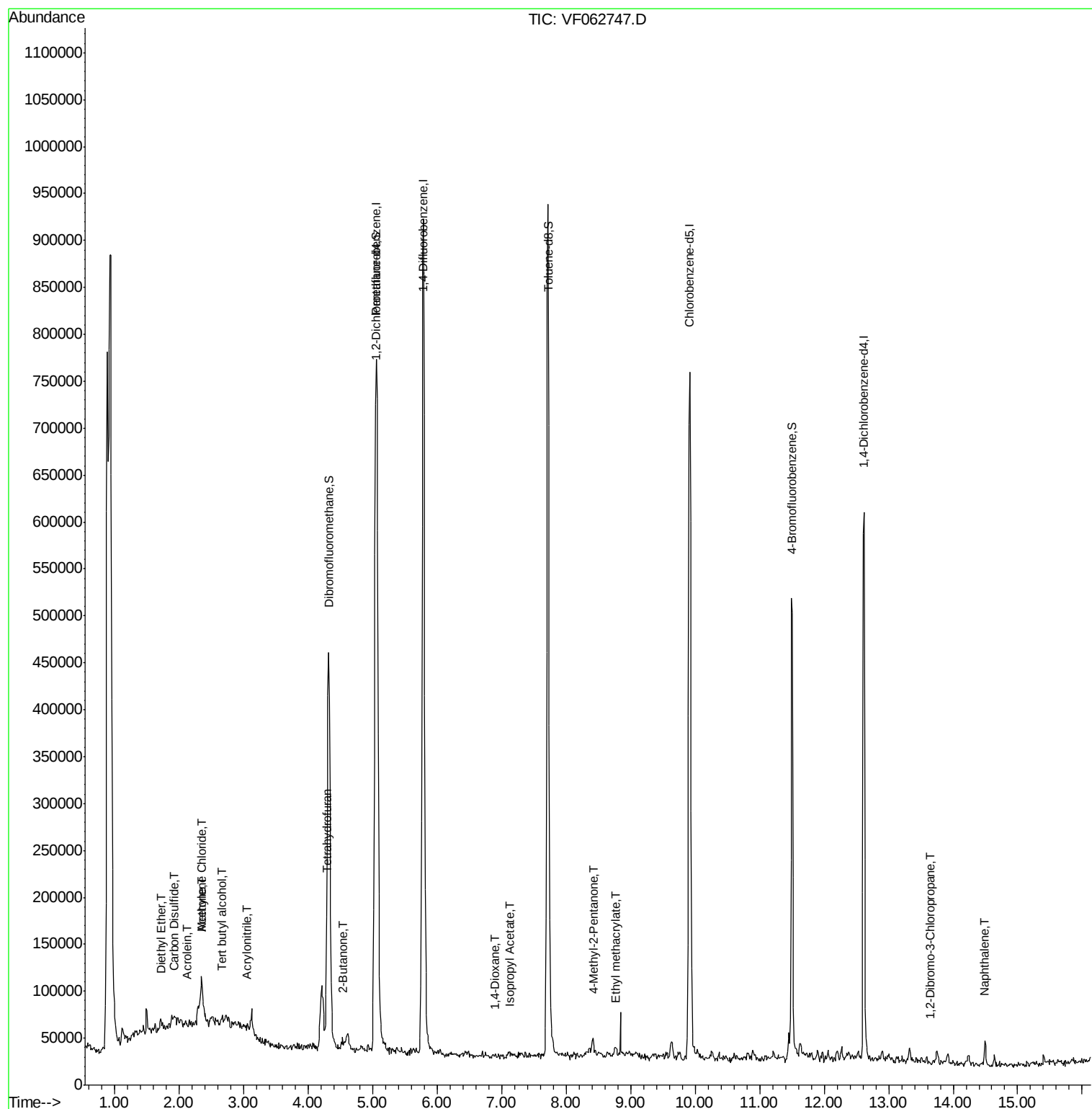
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.72	74	5617	2.627	ug/l	77
11) Tert butyl alcohol	2.67	59	420	1.292	ug/l #	1
13) Acrolein	2.13	56	1289	3.798	ug/l	96
15) Acrylonitrile	3.07	53	941	1.026	ug/l #	84
16) Acetone	2.36	43	34605	27.087	ug/l	92
17) Carbon Disulfide	1.93	76	44882	2.419	ug/l #	94
20) Methylene Chloride	2.35	84	41153	6.427	ug/l #	80
25) 2-Butanone	4.54	43	20164	7.388	ug/l #	89
29) Tetrahydrofuran	4.28	42	2592	2.347	ug/l #	71
43) Isopropyl Acetate	7.13	43	9077	1.455	ug/l #	83
49) 1,4-Dioxane	6.90	88	694	16.618	ug/l #	25
51) 4-Methyl-2-Pentanone	8.42	43	18120	4.249	ug/l	100
56) Ethyl methacrylate	8.76	69	6473	1.089	ug/l #	85
59) 2-Hexanone	9.63	43	17113	Below Cal		77
92) 1,2-Dibromo-3-Chloropropan	13.65	75	655	2.211	ug/l #	1
95) Naphthalene	14.49	128	18760	2.962	ug/l #	90

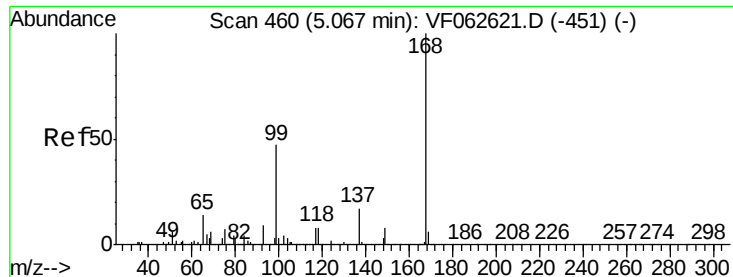
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
Data File : VF062747.D
Acq On : 24 May 2019 15:10
Operator : FY/SY
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

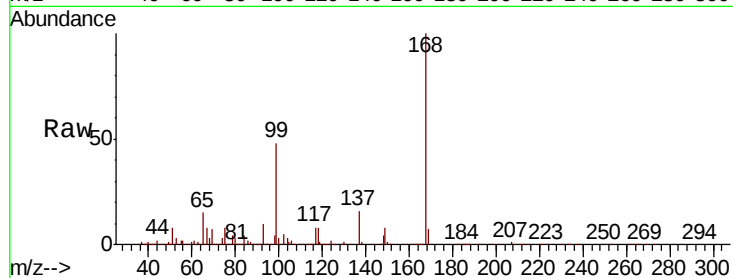
TP-5-D2RE

Tot Ion:168 Resp: 696858

Ion Ratio Lower Upper

168 100

99 48.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

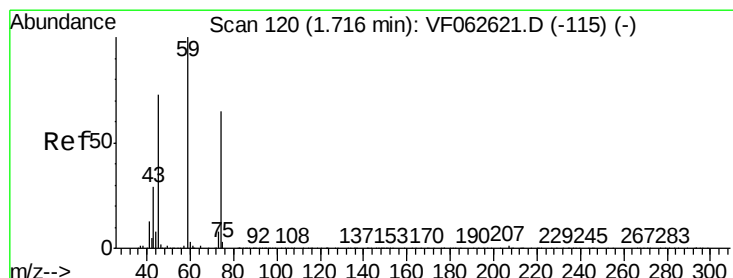
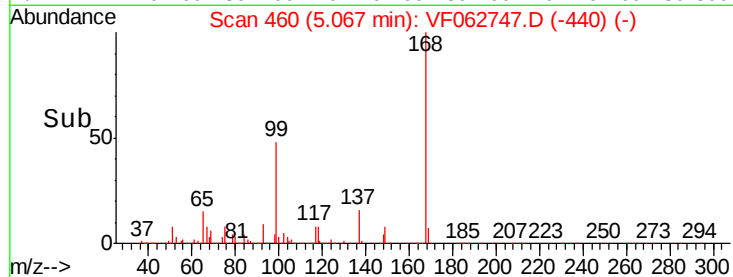
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.627 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062747.D

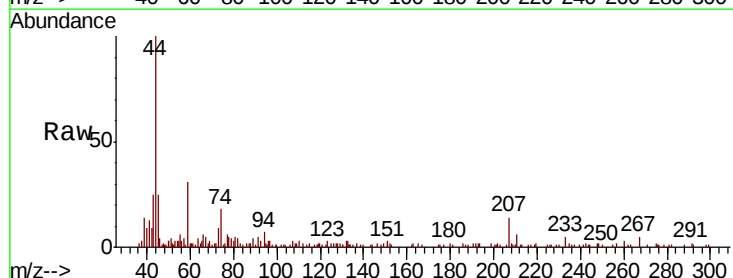
Acq: 24 May 2019 15:10

Tgt Ion: 74 Resp: 5617

Ion Ratio Lower Upper

74 100

45 138.9 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.72

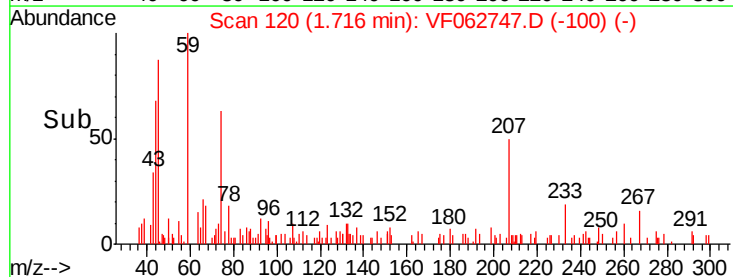
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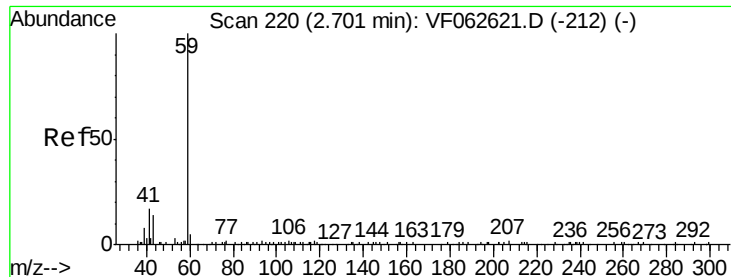
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1000

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Time-->



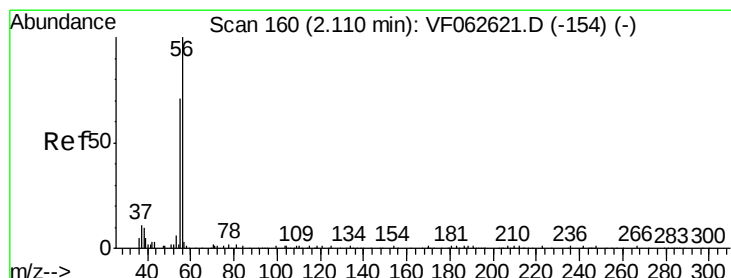
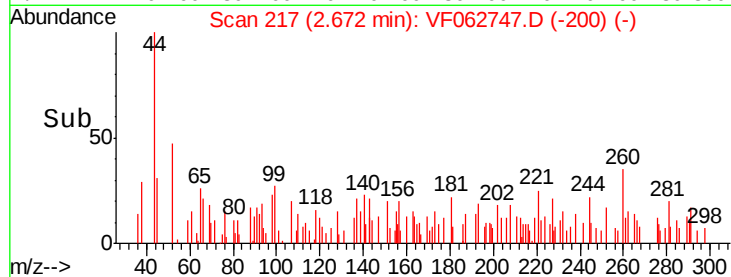
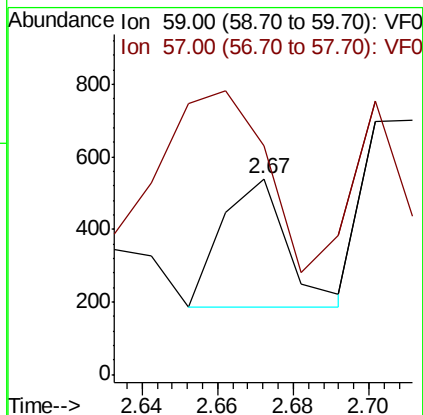
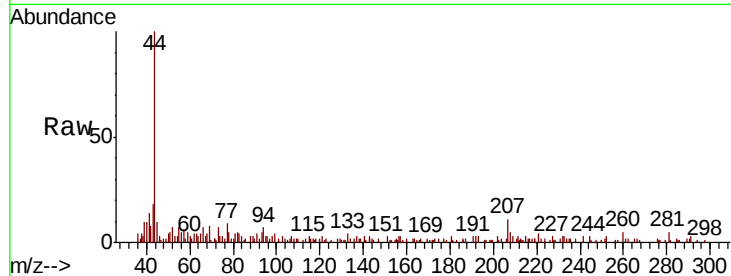


#11

Tert butyl alcohol
Concen: 1.292 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

Instrument :
MSVOA_F
ClientSampled :
TP-5-D2RE

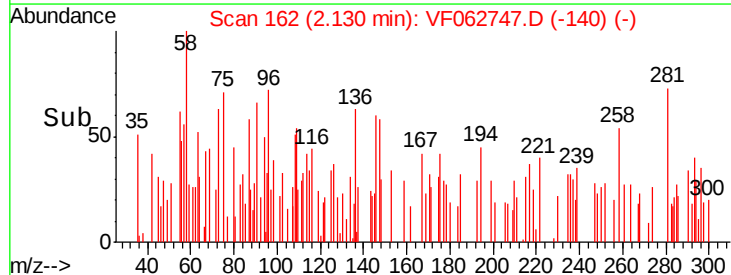
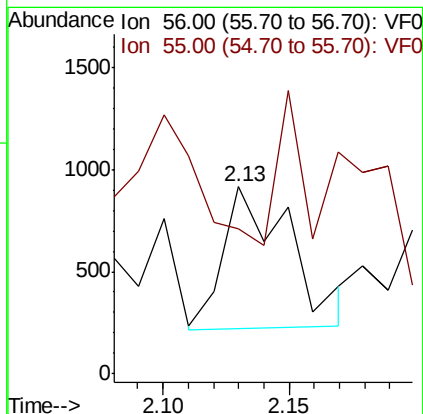
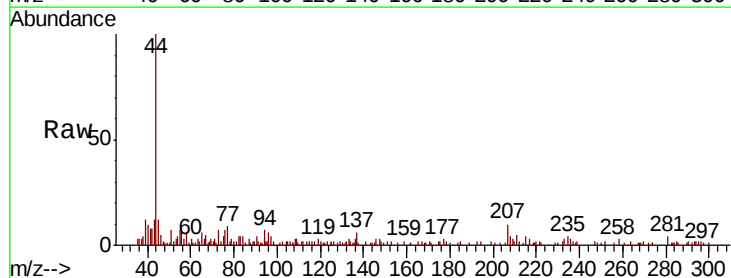
Tot Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 117.0 9.3 13.9#

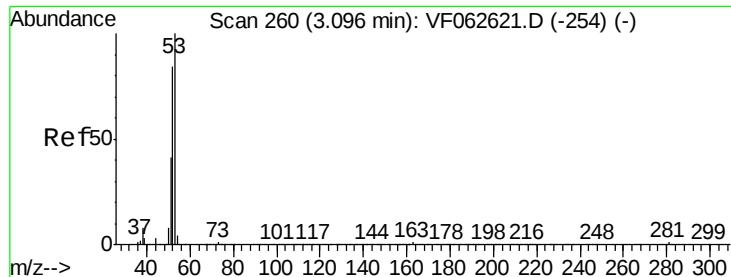


#13

Acrolein
Concen: 3.798 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.02 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

Tgt Ion: 56 Resp: 1289
Ion Ratio Lower Upper
56 100
55 77.6 59.4 89.0





#15

Acrylonitrile

Concen: 1.026 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

TP-5-D2RE

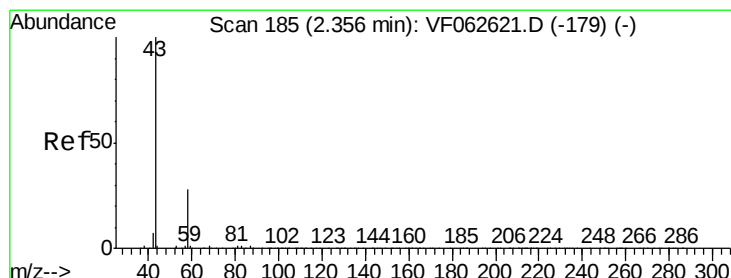
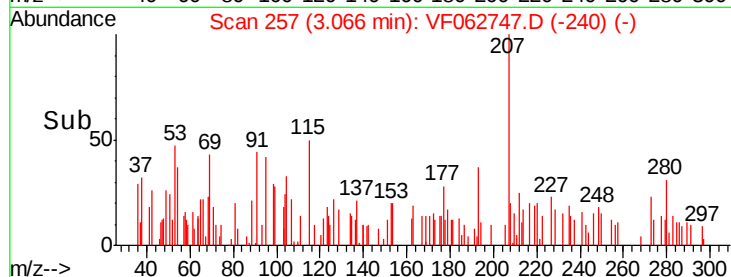
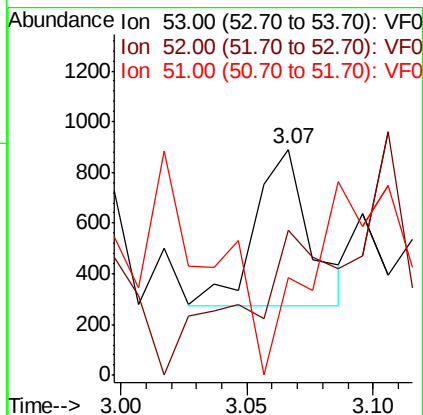
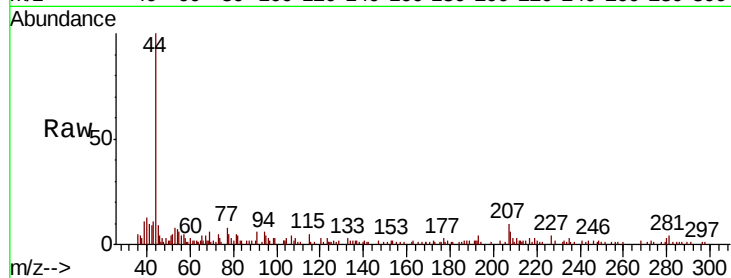
Tot Ion: 53 Resp: 941

Ion Ratio Lower Upper

53 100

52 63.9 67.3 100.9#

51 42.9 33.0 49.6



#16

Acetone

Concen: 27.087 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062747.D

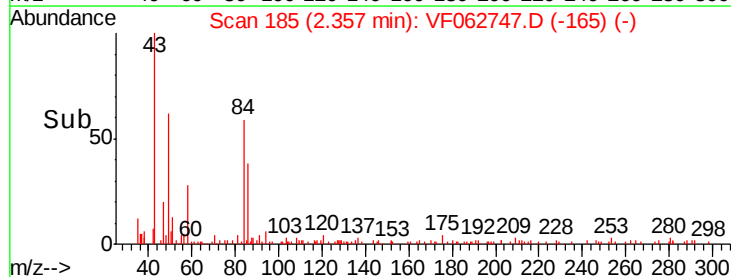
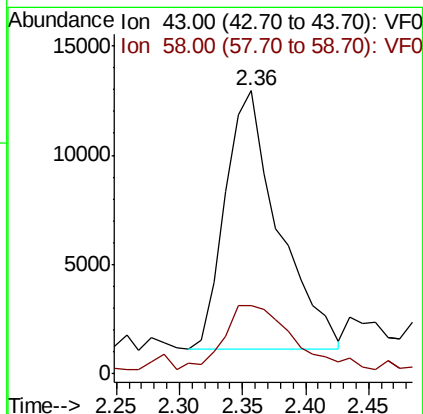
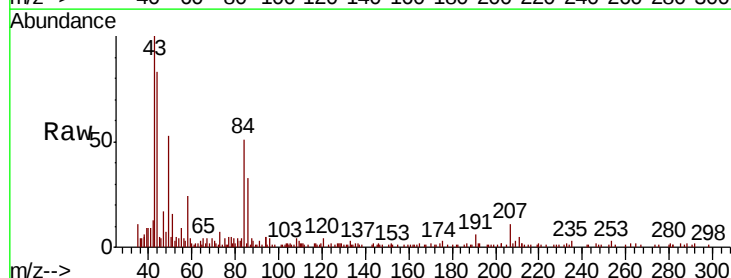
Acq: 24 May 2019 15:10

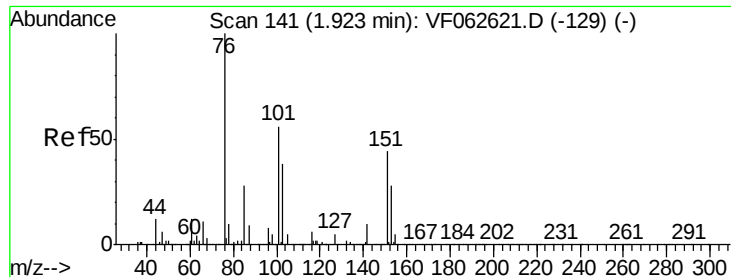
Tgt Ion: 43 Resp: 34605

Ion Ratio Lower Upper

43 100

58 23.9 22.6 33.8

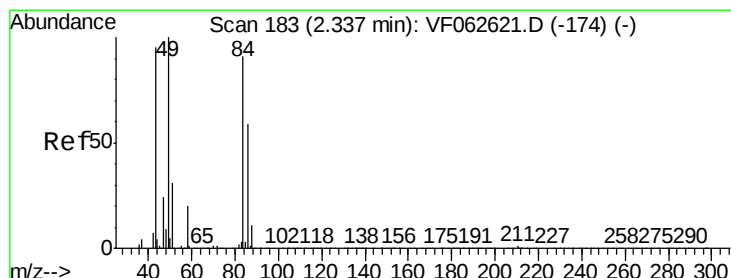
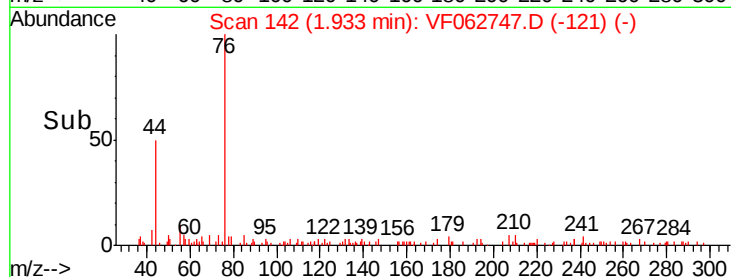
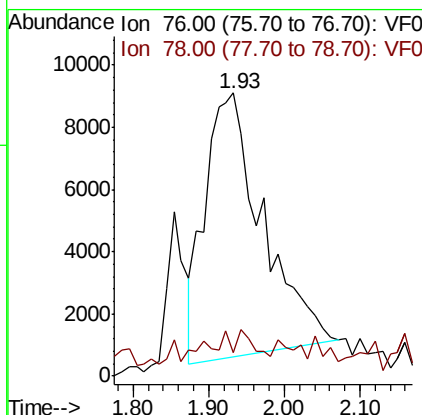
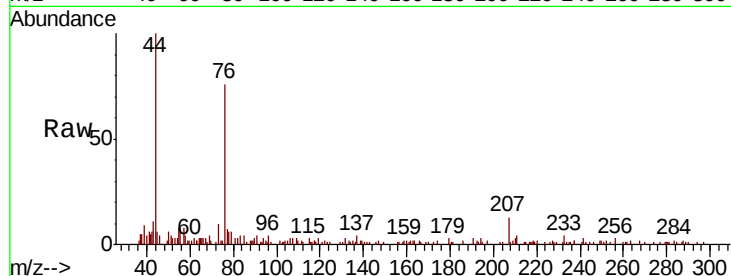




#17
Carbon Disulfide
Concen: 2.419 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

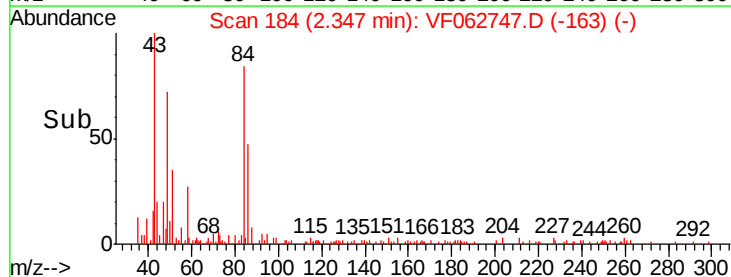
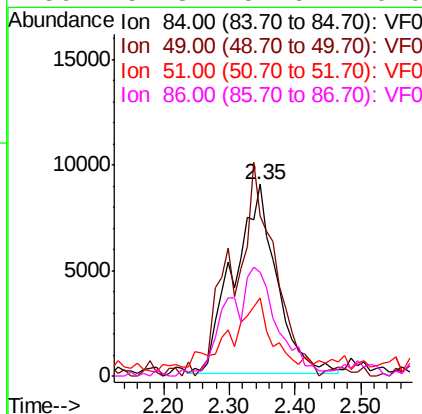
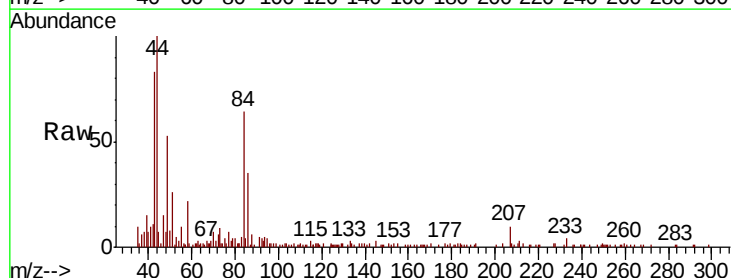
Instrument :
MSVOA_F
ClientSampleId :
TP-5-D2RE

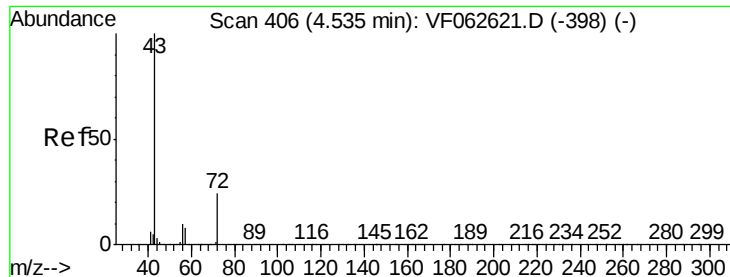
Tot Ion: 76 Resp: 44882
Ion Ratio Lower Upper
76 100
78 8.4 8.4 12.6#



#20
Methylene Chloride
Concen: 6.427 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

Tgt Ion: 84 Resp: 41153
Ion Ratio Lower Upper
84 100
49 83.5 89.8 134.8#
51 40.7 28.4 42.6
86 54.3 52.6 79.0





#25

2-Butanone

Concen: 7.388 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

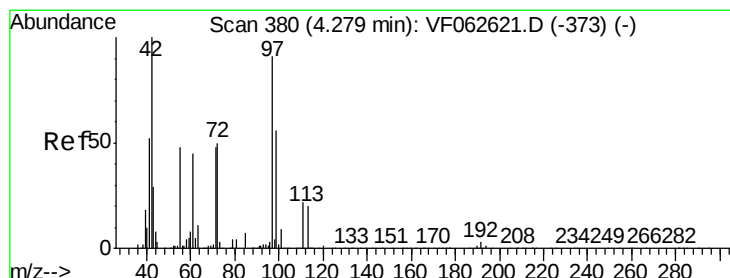
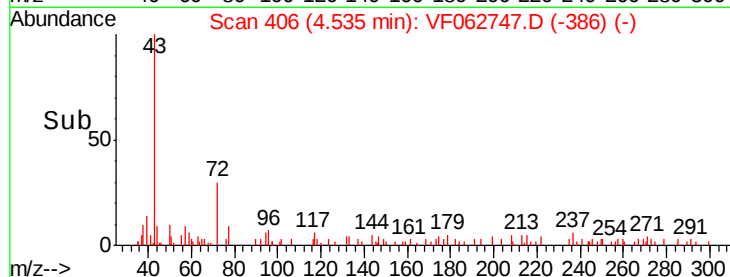
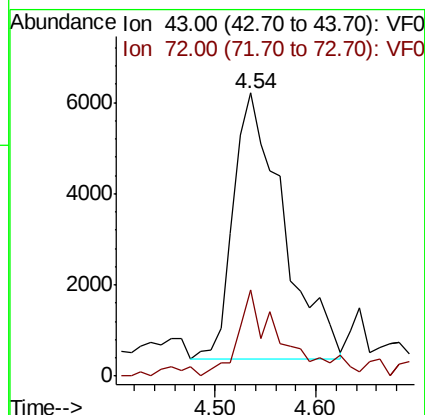
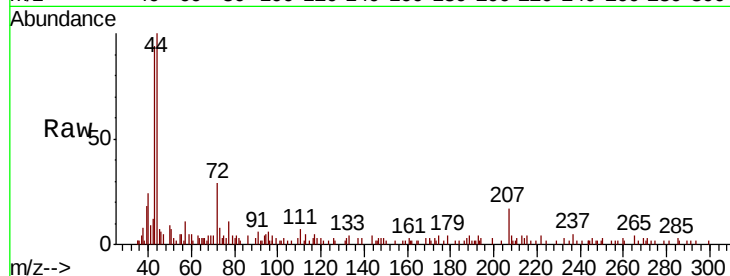
TP-5-D2RE

Tot Ion: 43 Resp: 20164

Ion Ratio Lower Upper

43 100

72 30.6 20.1 30.1#



#29

Tetrahydrofuran

Concen: 2.347 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

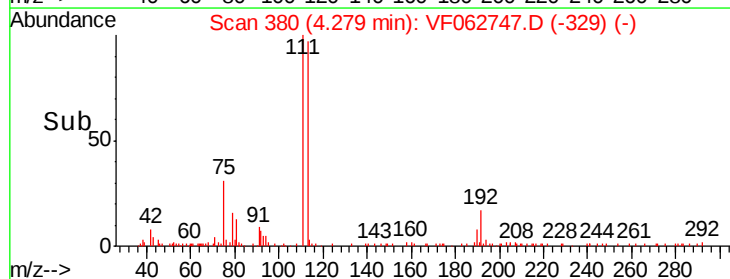
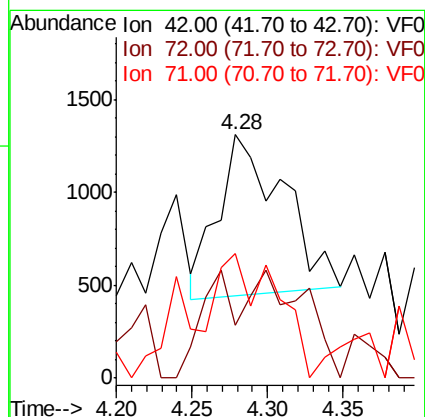
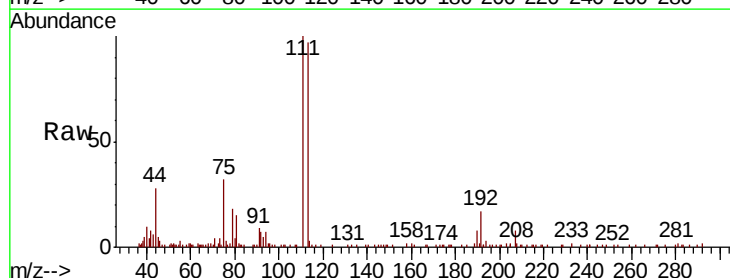
Tgt Ion: 42 Resp: 2592

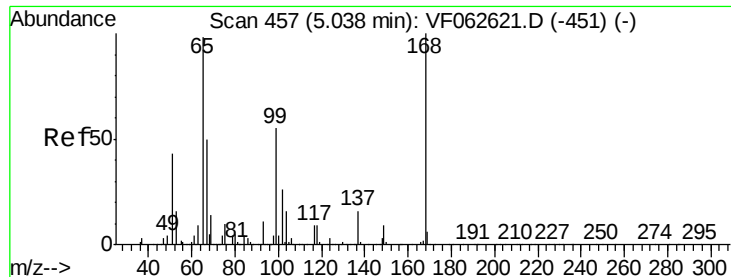
Ion Ratio Lower Upper

42 100

72 33.6 38.2 57.2#

71 69.7 35.8 53.6#

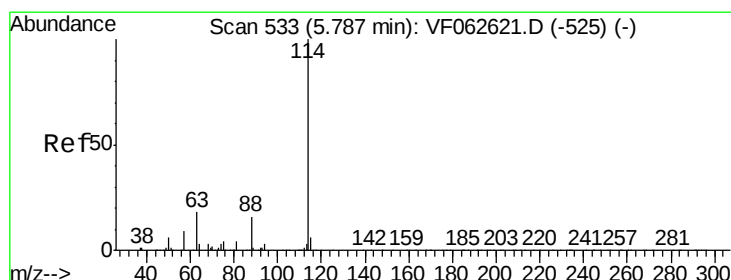
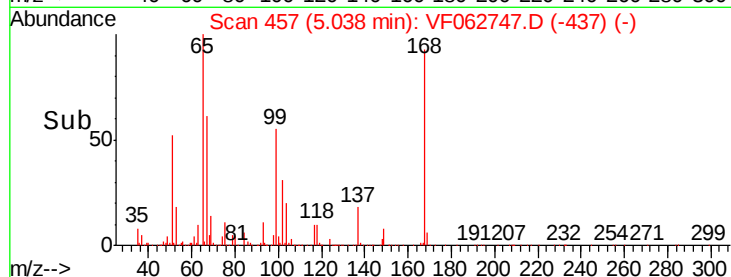
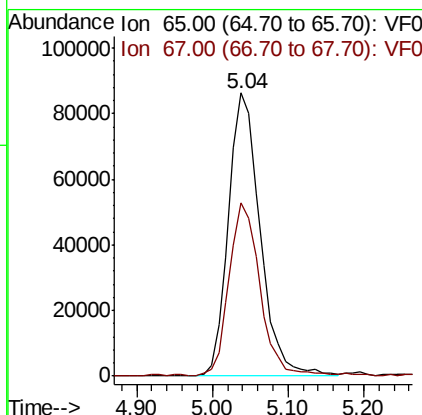
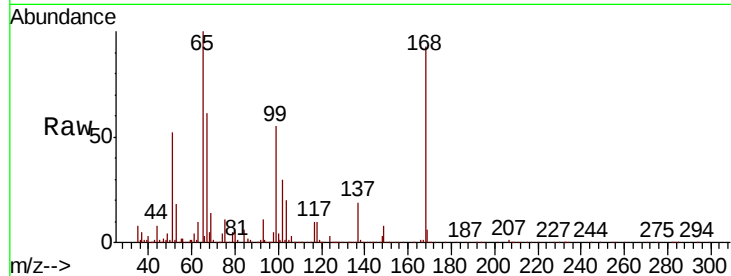




#33
 1,2-Dichloroethane-d4
 Concen: 50.902 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062747.D
 Acq: 24 May 2019 15:10

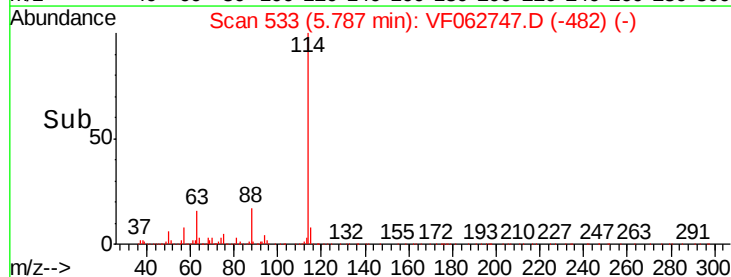
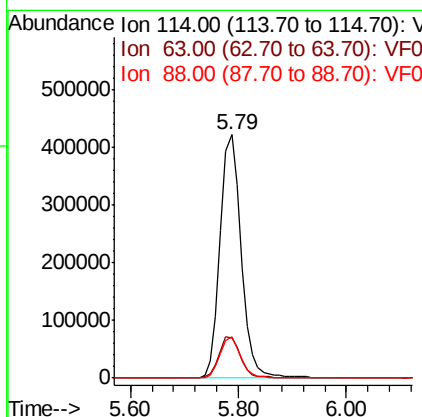
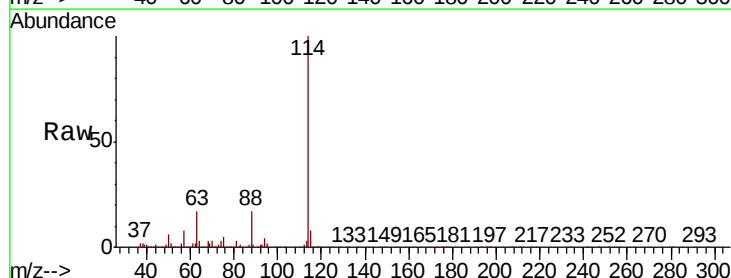
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 MSVOA_F
 ClientSampleId :
 TP-5-D2RE

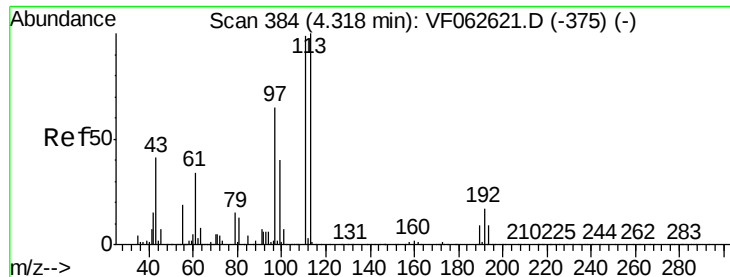
Tot Ion: 65 Resp: 250657
 Ion Ratio Lower Upper
 65 100
 67 61.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF062747.D
 Acq: 24 May 2019 15:10

Tgt Ion: 114 Resp: 1150890
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 35.4
 88 16.8 0.0 32.4

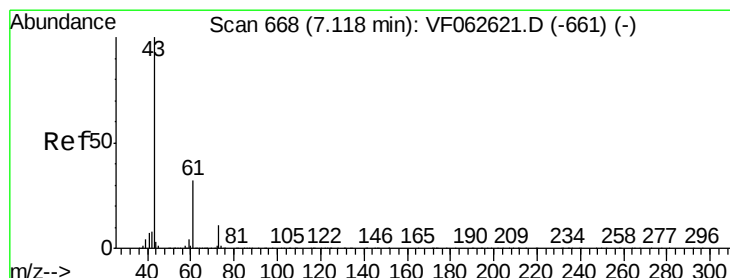
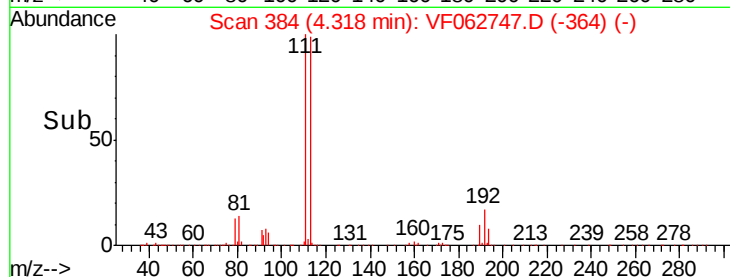
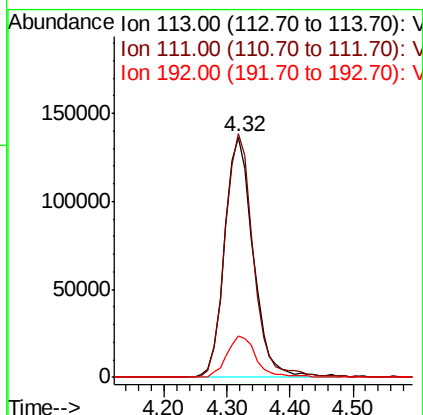
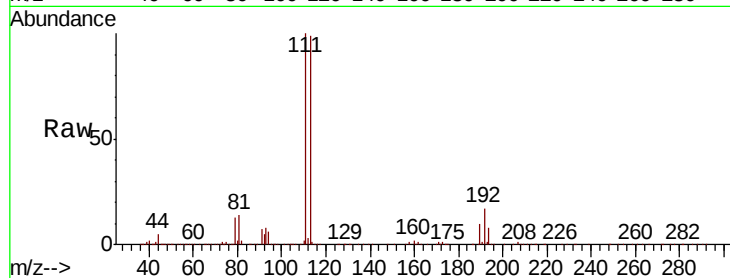




#35
 Dibromofluoromethane
 Concen: 48.746 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062747.D
 Acq: 24 May 2019 15:10

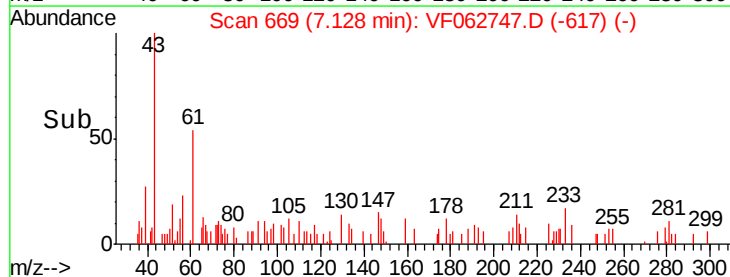
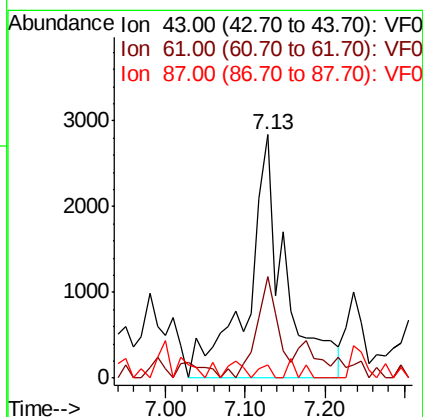
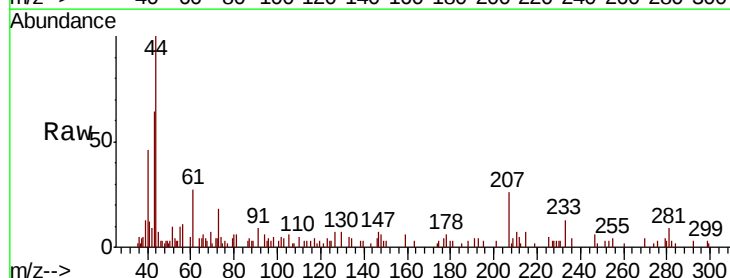
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5-D2RE

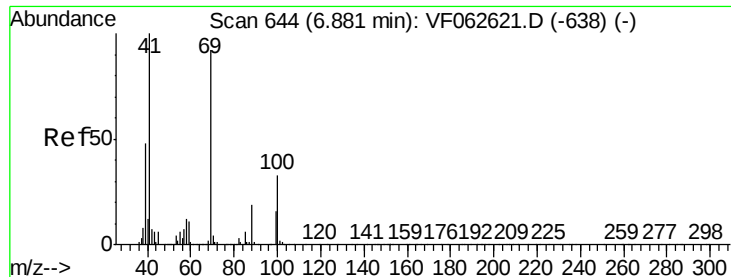
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.4	119.2
192	17.2	13.4	20.2



#43
 Isopropyl Acetate
 Concen: 1.455 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062747.D
 Acq: 24 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
61	41.9	25.8	38.8#
87	5.6	0.4	0.6#

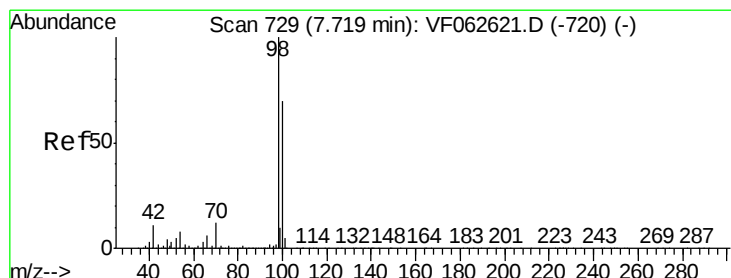
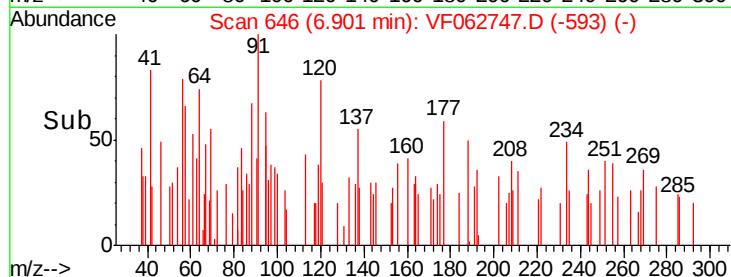
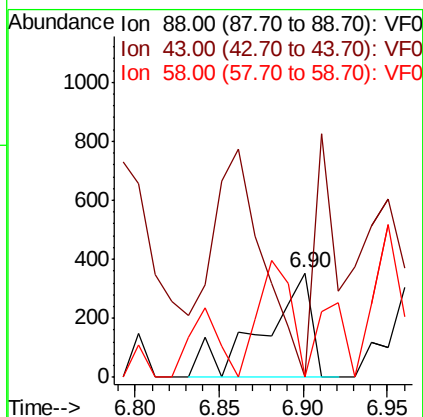
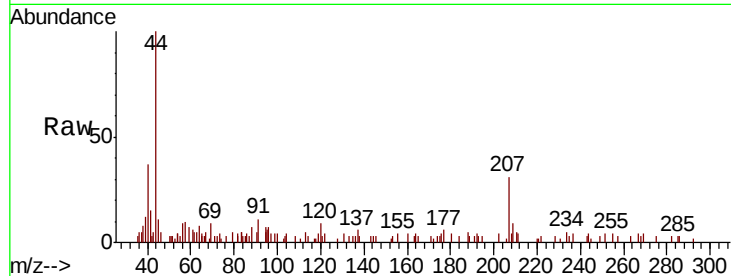




#49
1,4-Dioxane
Concen: 16.618 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

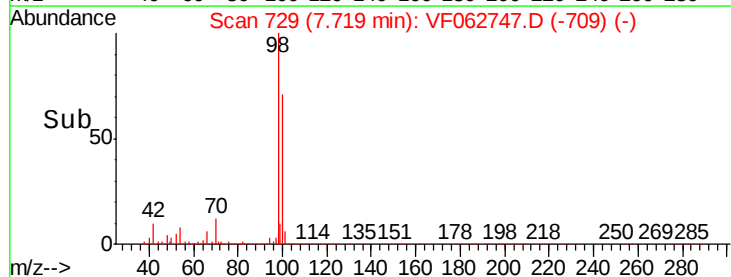
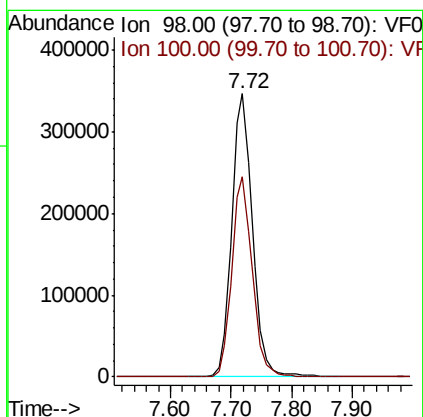
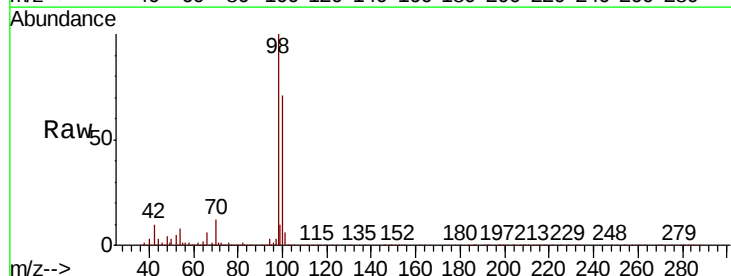
Instrument :
MSVOA_F
ClientSampleId :
TP-5-D2RE

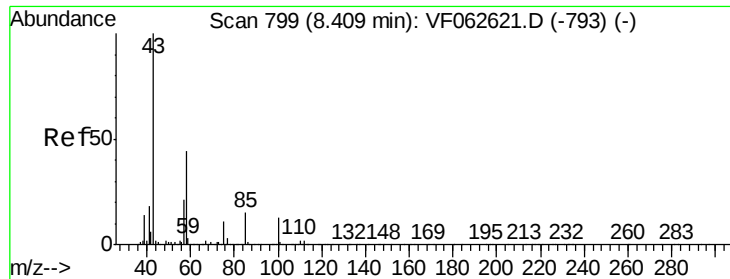
Tot Ion: 88 Resp: 694
Ion Ratio Lower Upper
88 100
43 0.0 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 39.158 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

Tgt Ion: 98 Resp: 823367
Ion Ratio Lower Upper
98 100
100 70.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 4.249 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

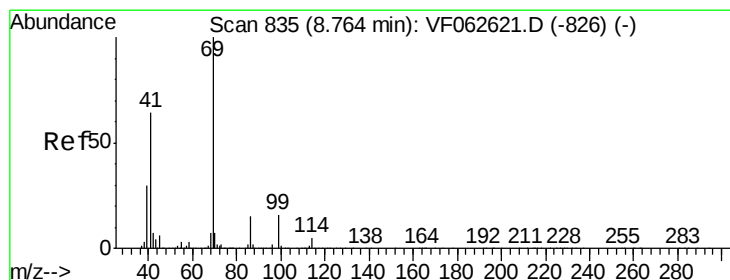
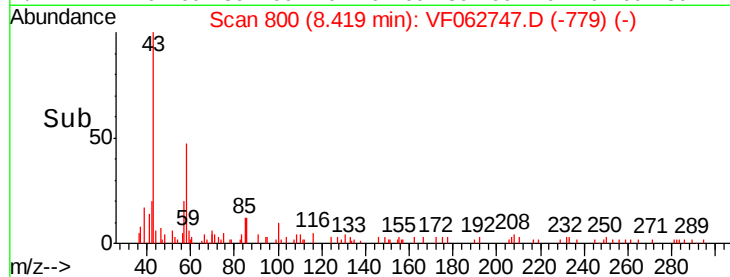
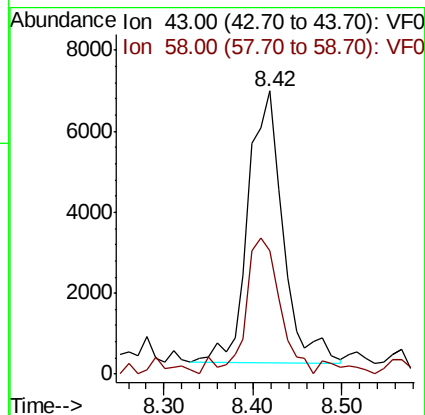
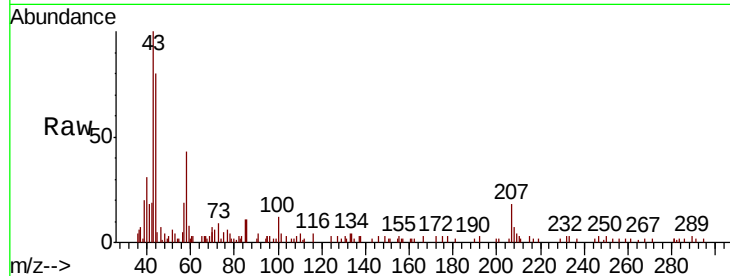
TP-5-D2RE

Tot Ion: 43 Resp: 18120

Ion Ratio Lower Upper

43 100

58 43.4 34.9 52.3



#56

Ethyl methacrylate

Concen: 1.089 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

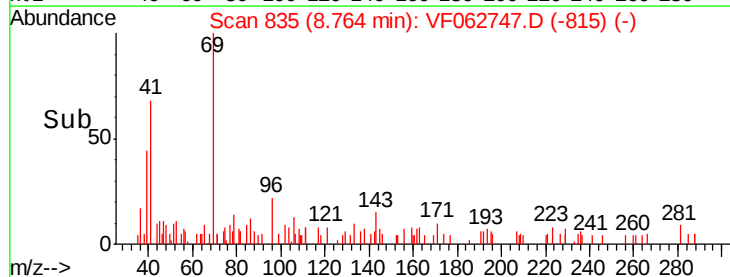
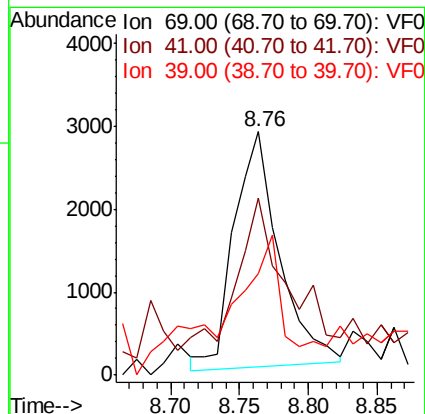
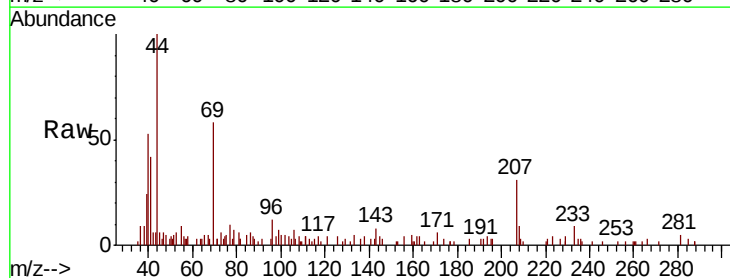
Tgt Ion: 69 Resp: 6473

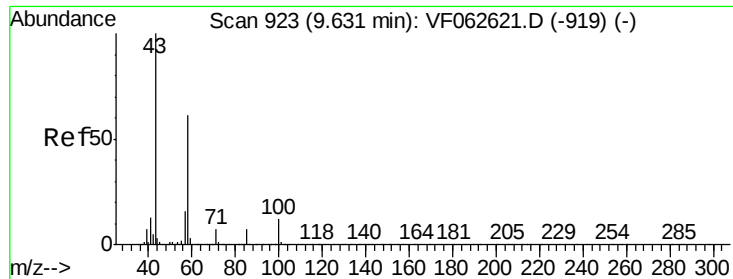
Ion Ratio Lower Upper

69 100

41 72.7 51.4 77.2

39 41.8 23.6 35.4#

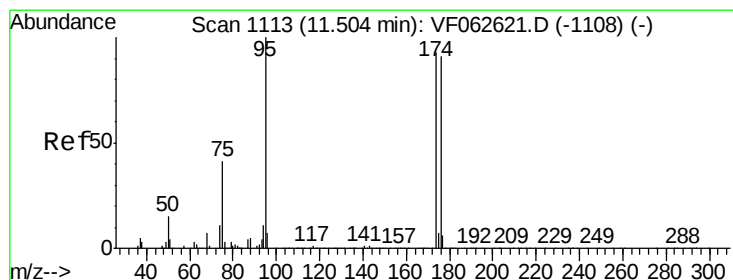
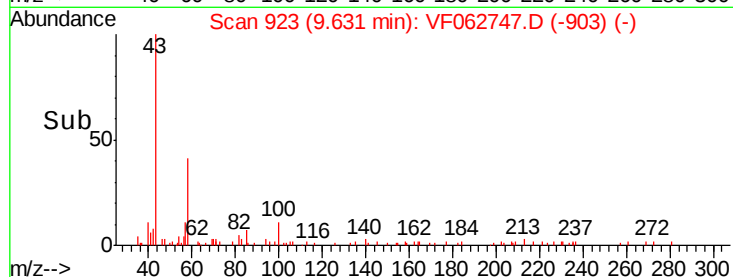
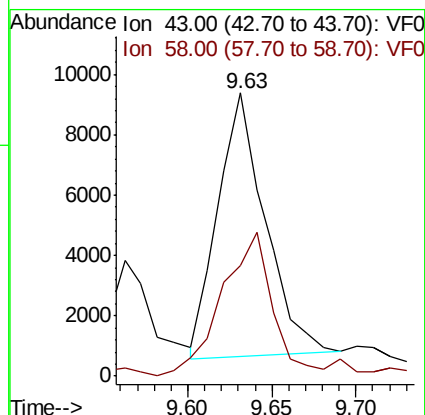
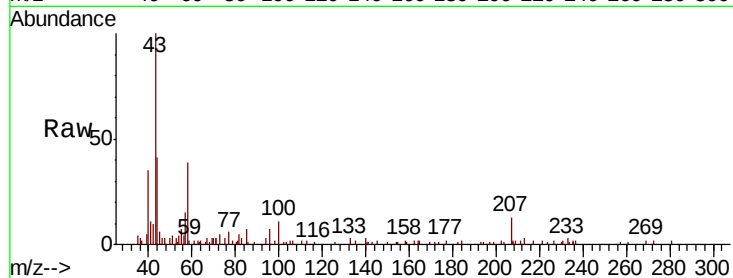




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

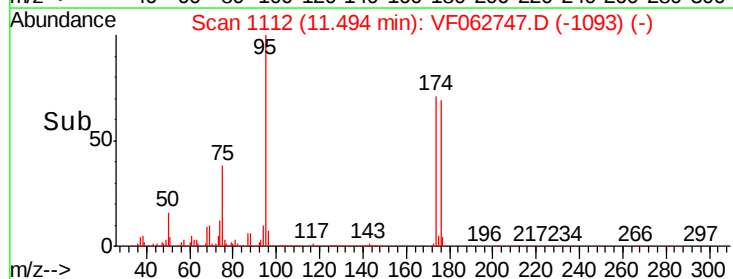
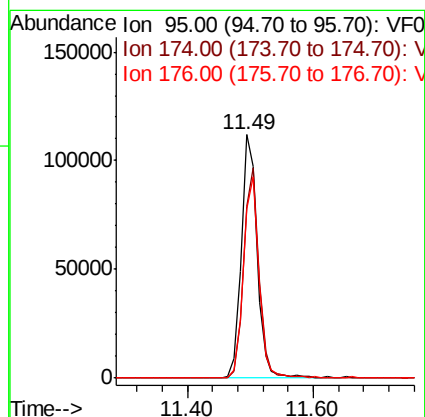
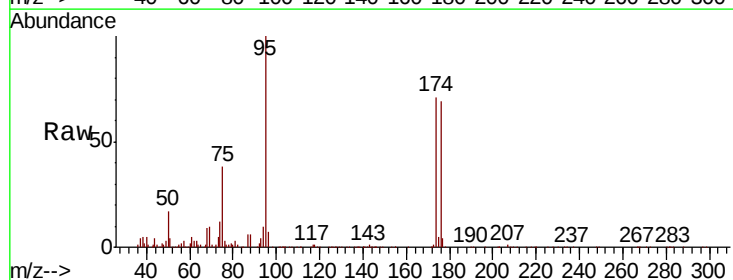
Instrument :
MSVOA_F
ClientSampleId :
TP-5-D2RE

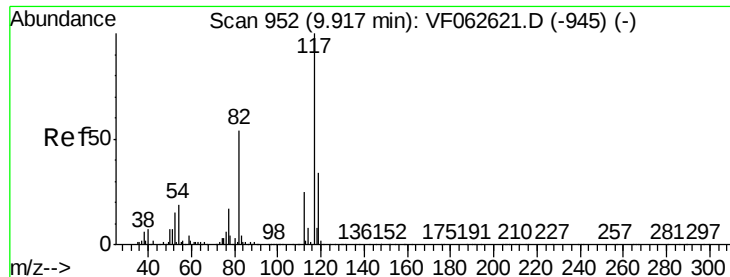
Tot Ion: 43 Resp: 17113
Ion Ratio Lower Upper
43 100
58 39.2 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 24.097 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

Tgt Ion: 95 Resp: 192173
Ion Ratio Lower Upper
95 100
174 70.6 0.0 185.6
176 69.4 0.0 182.4

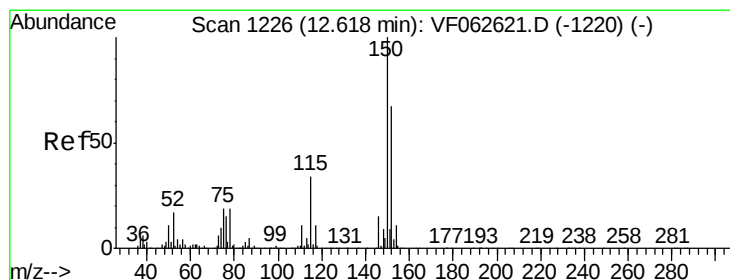
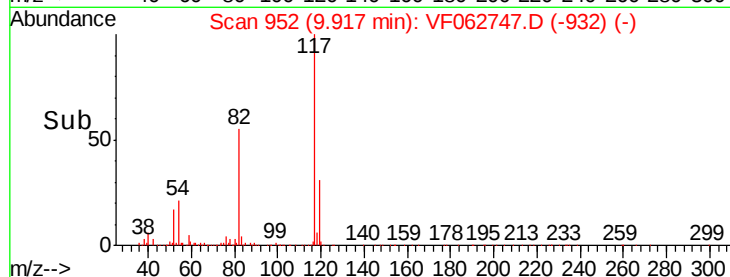
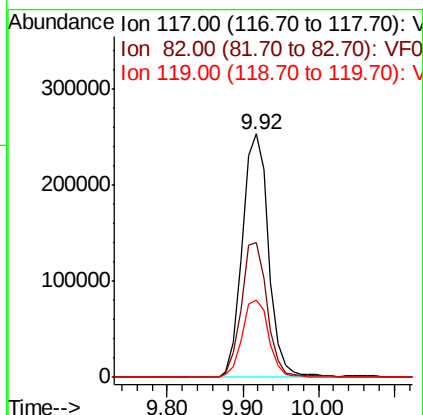
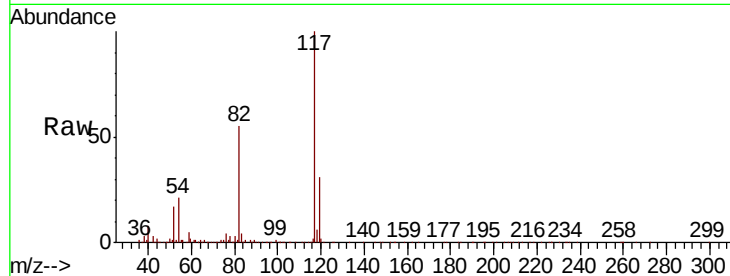




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

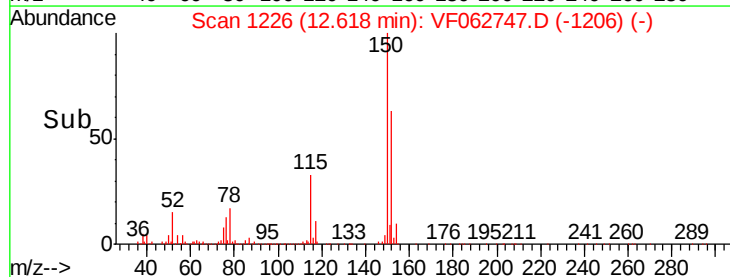
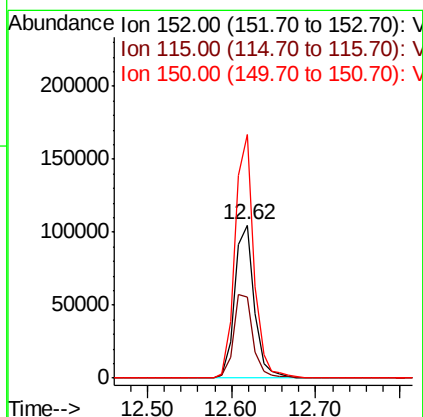
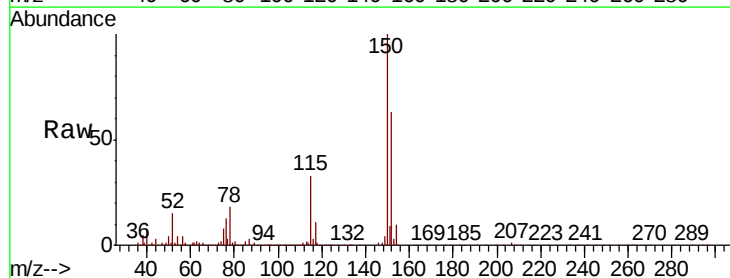
Instrument :
MSVOA_F
ClientSampleId :
TP-5-D2RE

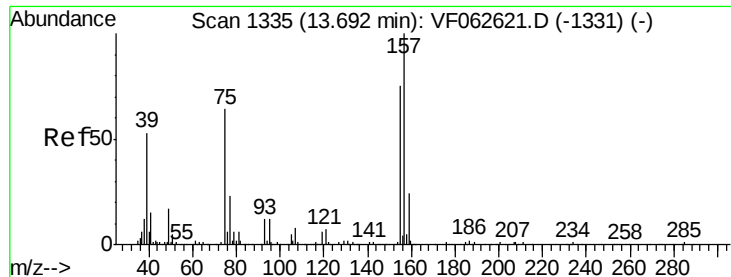
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.3	64.9
119	31.5	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062747.D
Acq: 24 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	25.2	75.6
150	159.0	0.0	306.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.211 ug/l

RT: 13.65 min Scan# 1331

Delta R.T. -0.04 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

TP-5-D2RE

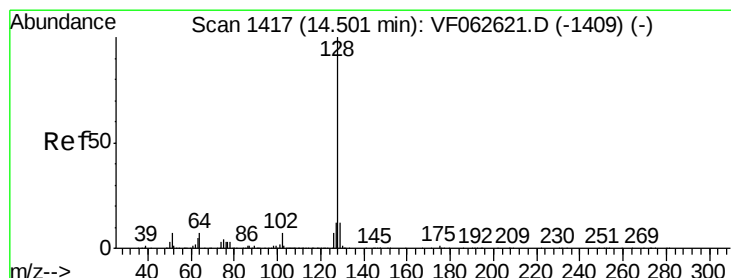
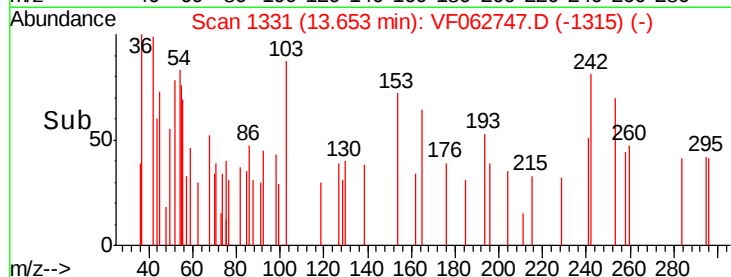
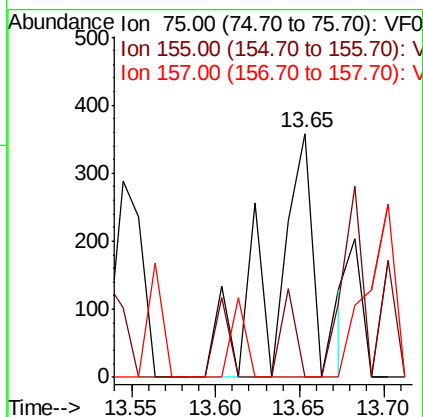
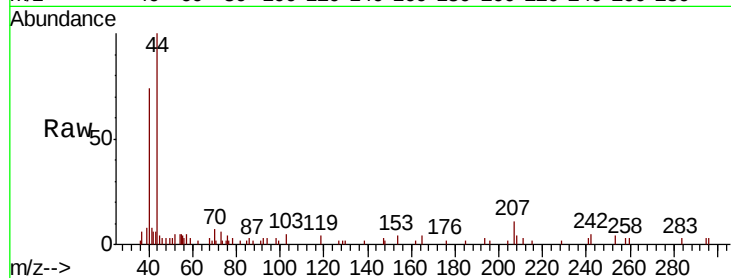
Tot Ion: 75 Resp: 655

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#



#95

Naphthalene

Concen: 2.962 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062747.D

Acq: 24 May 2019 15:10

Tgt Ion:128 Resp: 18760

Ion Ratio Lower Upper

128 100

127 16.5 9.7 14.5#

129 8.2 9.3 13.9#

