

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062725.D
 Acq On : 23 May 2019 14:29
 Operator : FY/SY
 Sample : K2976-04
 Misc : 6.22g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-SB-E3-4R(17-20)

Quant Time: May 24 02:14:12 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	5.06	168	893766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1515132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	969955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	653367	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	273872	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
35) Dibromofluoromethane	4.32	113	499737	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	
50) Toluene-d8	7.72	98	1146595	41.42	ug/l	0.00
Spiked Amount			Recovery	=	82.84%	
62) 4-Bromofluorobenzene	11.51	95	916636	87.31	ug/l	0.00
Spiked Amount			Recovery	=	174.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	486	1.166	ug/l #	1
13) Acrolein	2.18	56	2117	4.864	ug/l	97
15) Acrylonitrile	3.09	53	1870	1.590	ug/l #	66
16) Acetone	2.36	43	13191	8.051	ug/l	90
18) Methyl Acetate	2.51	43	15822	6.145	ug/l #	62
20) Methylene Chloride	2.33	84	17636	2.147	ug/l #	68
25) 2-Butanone	4.53	43	7607	2.173	ug/l #	82
29) Tetrahydrofuran	4.28	42	1546	1.091	ug/l #	1
39) Methylcyclohexane	5.65	83	50777	2.718	ug/l	93
43) Isopropyl Acetate	7.20	43	8706	1.060	ug/l #	49
49) 1,4-Dioxane	6.87	88	914	16.625	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	533898	95.109	ug/l #	37
55) 1,1,2-Trichloroethane	8.54	97	39984	6.088	ug/l #	56
56) Ethyl methacrylate	8.78	69	900350	115.067	ug/l #	71
58) 2-Chloroethyl Vinyl ether	7.45	63	5417	2.127	ug/l	97
59) 2-Hexanone	9.55	43	248848	54.173	ug/l #	28
65) Chlorobenzene	9.91	112	46917	2.463	ug/l #	41
68) m/p-Xylenes	10.26	106	954709	76.753	ug/l	90
73) Isopropylbenzene	11.23	105	171716	3.667	ug/l	96
74) N-amyl acetate	11.51	43	1577761	142.393	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	11.77	83	2019601	211.036	ug/l #	39
76) 1,2,3-Trichloropropane	11.91	75	28338	4.507	ug/l #	1
78) n-propylbenzene	11.69	91	288867	5.212	ug/l	84
79) 2-Chlorotoluene	11.81	91	655465	20.987	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.91	105	2905855	77.389	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.91	75	28338	10.139	ug/l #	1
82) 4-Chlorotoluene	12.05	91	127450	4.138	ug/l	89
83) tert-Butylbenzene	12.22	119	1085355	28.491	ug/l	92
84) 1,2,4-Trimethylbenzene	12.29	105	11826844	325.430	ug/l	73
85) sec-Butylbenzene	12.38	105	2539430	49.672	ug/l #	65
86) p-Isopropyltoluene	12.53	119	3589408	83.310	ug/l	92
89) n-Butylbenzene	12.91	91	981081	23.095	ug/l	84
90) Hexachloroethane	12.99	117	595006	57.569	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	13.68	75	23457	20.546	ug/l #	1

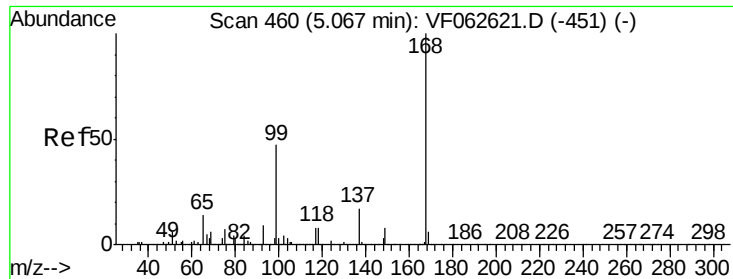
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.49	128	94781	3.883	ug/l #	19

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

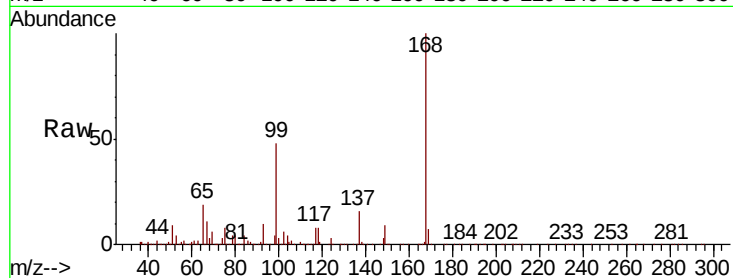
EP1-SB-E3-4R(17-20)

Tot Ion:168 Resp: 893766

Ion Ratio Lower Upper

168 100

99 47.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

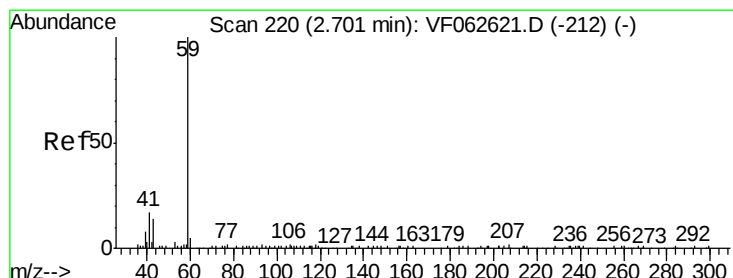
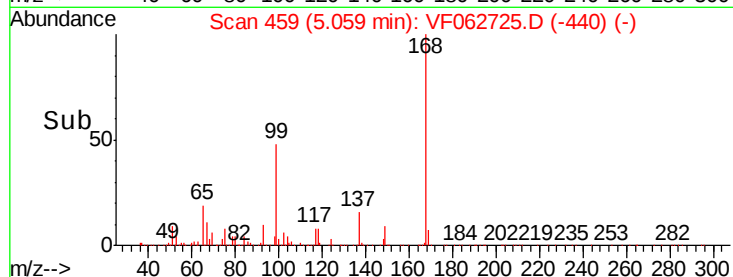
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.166 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062725.D

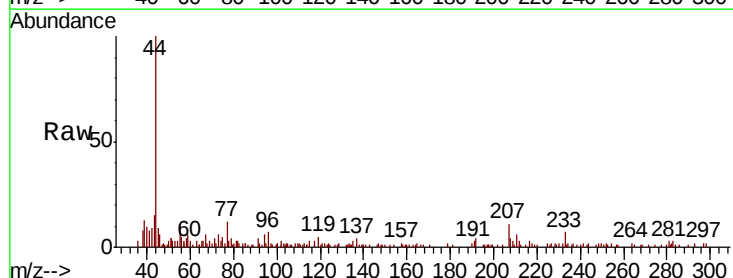
Acq: 23 May 2019 14:29

Tgt Ion: 59 Resp: 486

Ion Ratio Lower Upper

59 100

57 86.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

800

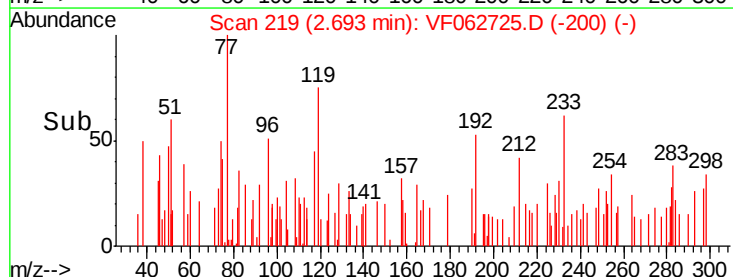
600

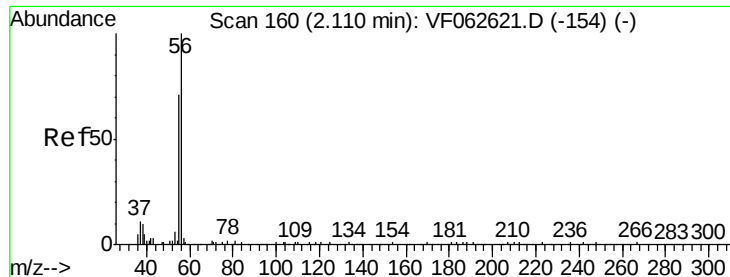
400

200

0

Time-->





#13

Acrolein

Concen: 4.864 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.07 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

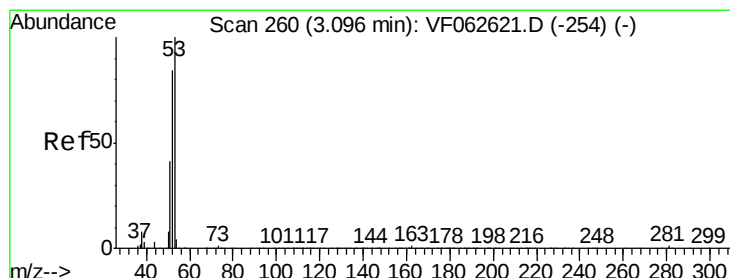
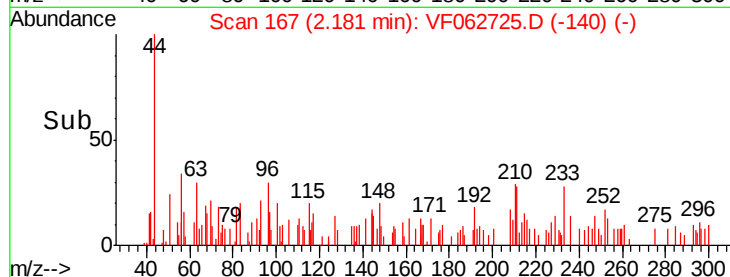
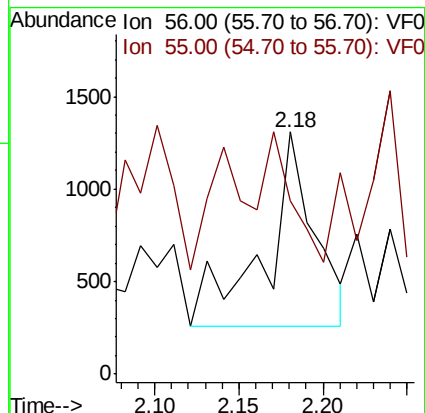
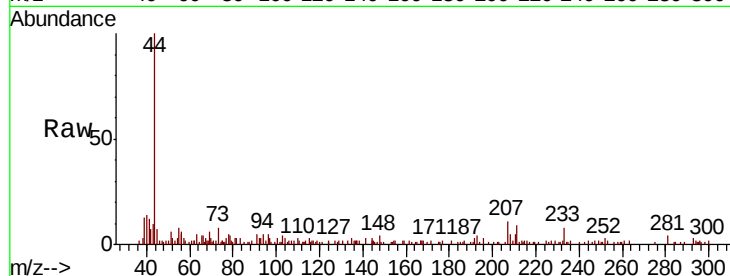
EP1-SB-E3-4R(17-20)

Tot Ion: 56 Resp: 2117

Ion Ratio Lower Upper

56 100

55 71.8 59.4 89.0



#15

Acrylonitrile

Concen: 1.590 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

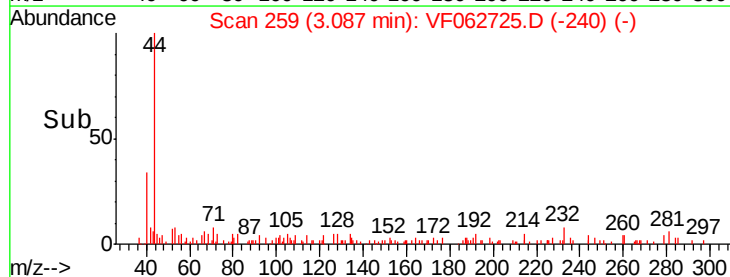
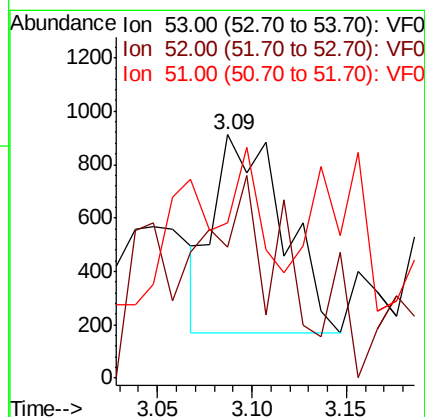
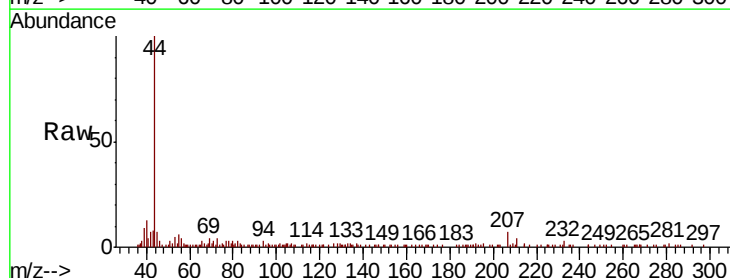
Tgt Ion: 53 Resp: 1870

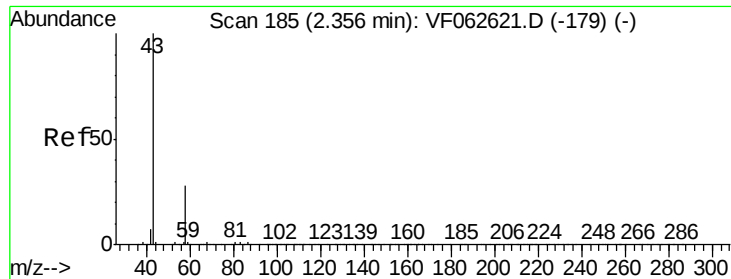
Ion Ratio Lower Upper

53 100

52 53.9 67.3 100.9#

51 63.9 33.0 49.6#

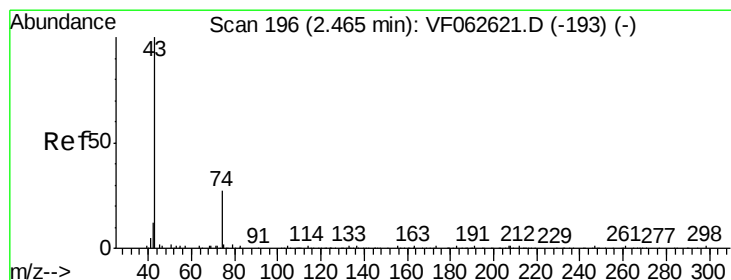
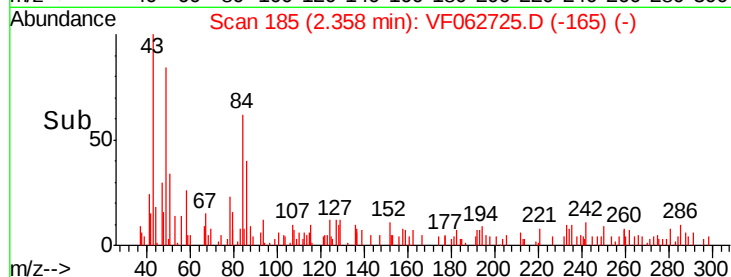
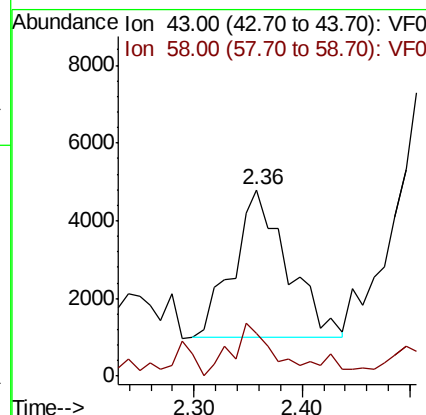
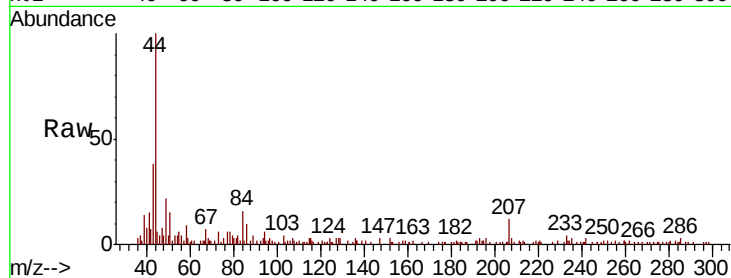




#16
Acetone
Concen: 8.051 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

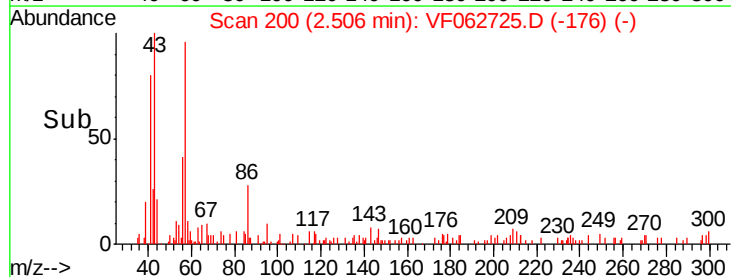
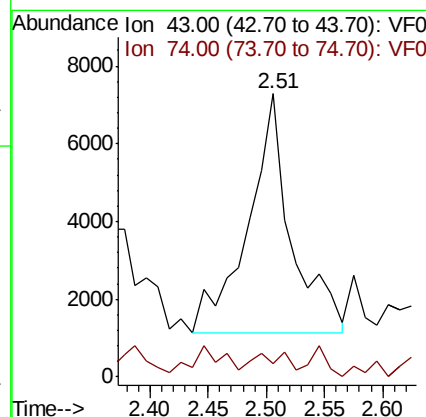
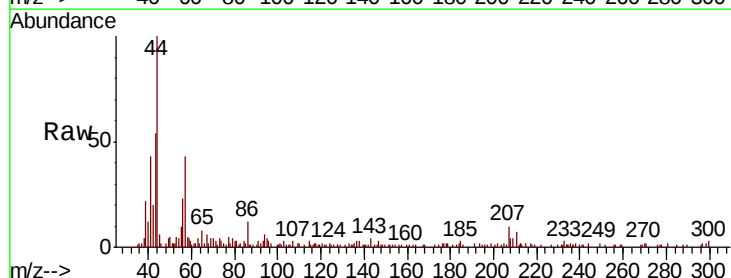
Instrument :
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EP1-SB-E3-4R(17-20)

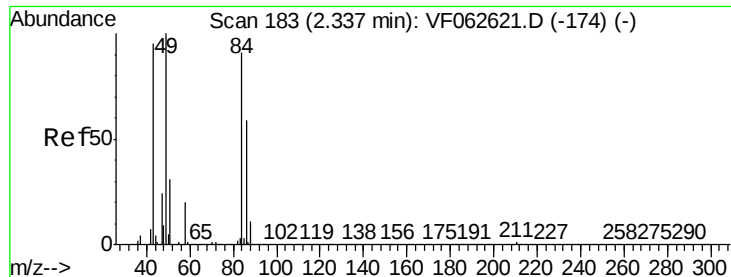
Tot Ion: 43 Resp: 13191
Ion Ratio Lower Upper
43 100
58 22.7 22.6 33.8



#18
Methyl Acetate
Concen: 6.145 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion: 43 Resp: 15822
Ion Ratio Lower Upper
43 100
74 4.8 18.9 28.3#

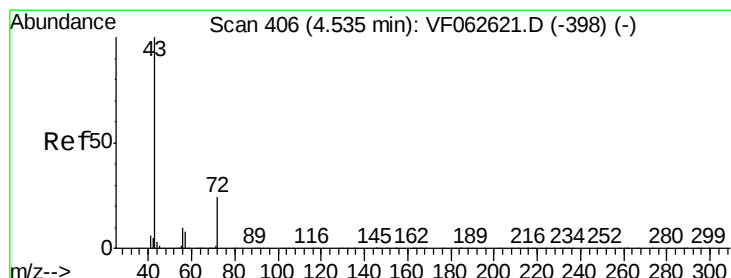
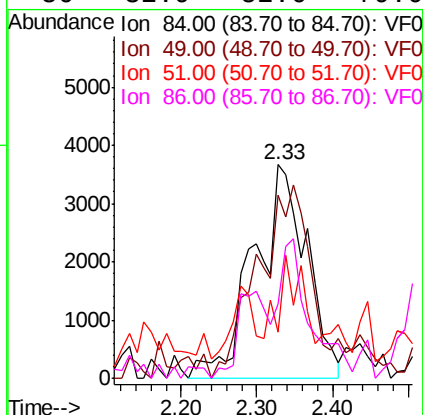
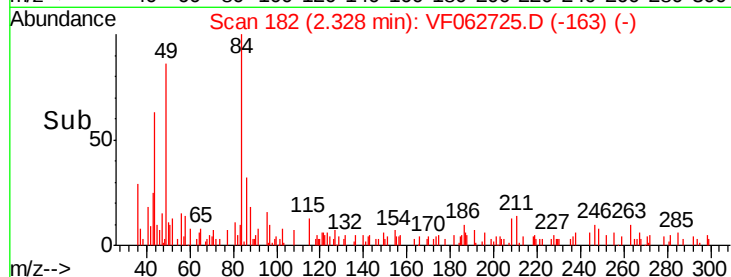
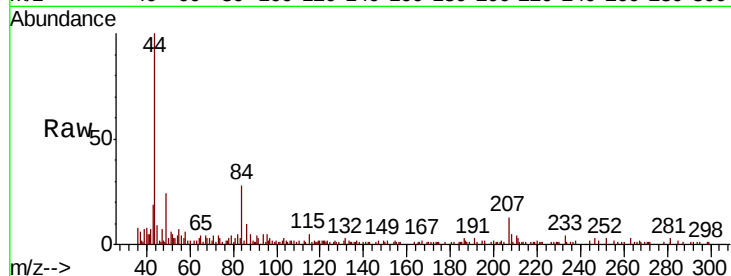




#20
Methvlene Chloride
Concen: 2.147 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

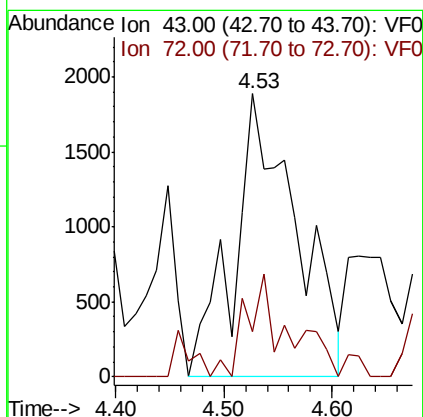
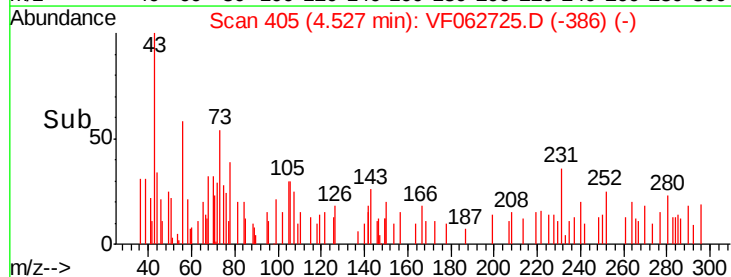
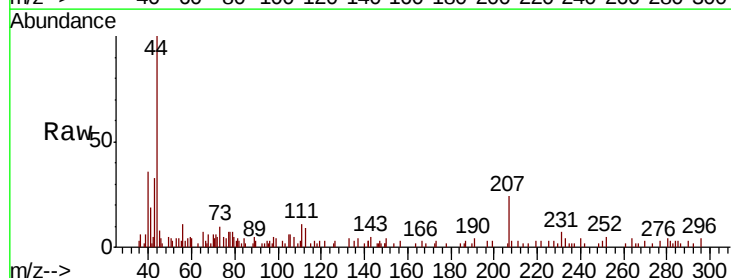
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

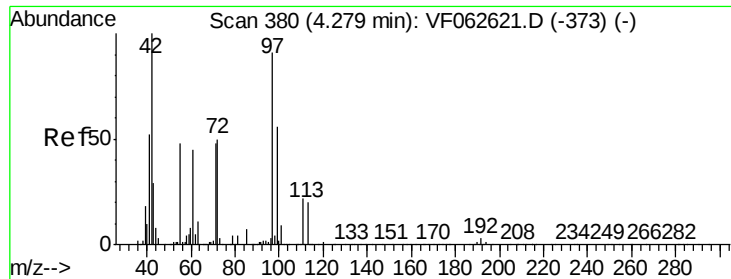
Tot Ion: 84 Resp: 17636
Ion Ratio Lower Upper
84 100
49 81.1 89.8 134.8#
51 20.7 28.4 42.6#
86 32.9 52.6 79.0#



#25
2-Butanone
Concen: 2.173 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion: 43 Resp: 7607
Ion Ratio Lower Upper
43 100
72 16.2 20.1 30.1#





#29

Tetrahydrofuran

Concen: 1.091 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

EP1-SB-E3-4R(17-20)

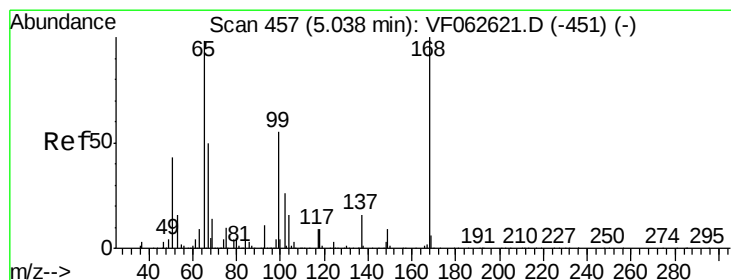
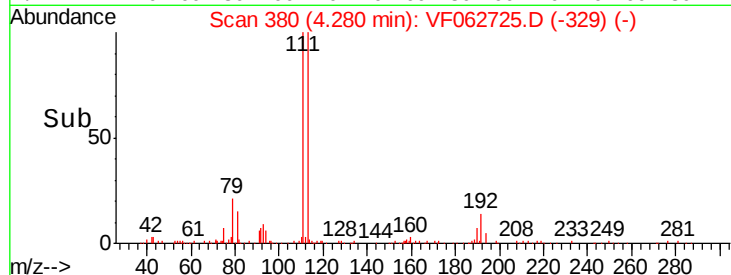
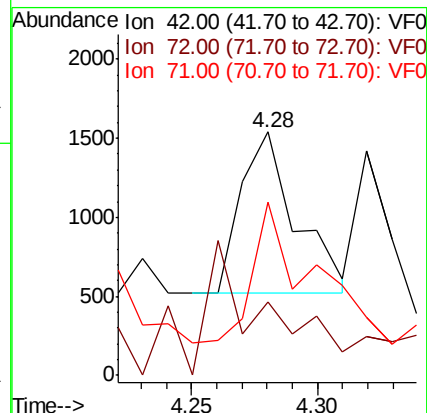
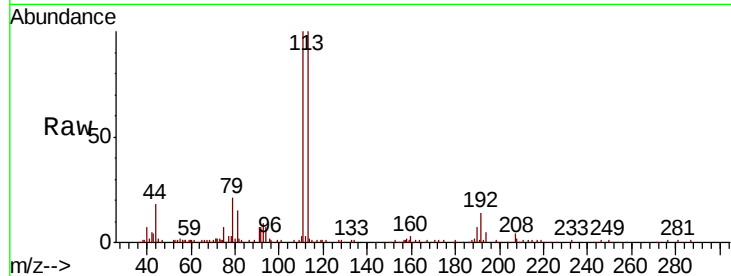
Tot Ion: 42 Resp: 1546

Ion Ratio Lower Upper

42 100

72 143.7 38.2 57.2#

71 99.2 35.8 53.6#



#33

1,2-Dichloroethane-d4

Concen: 43.363 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062725.D

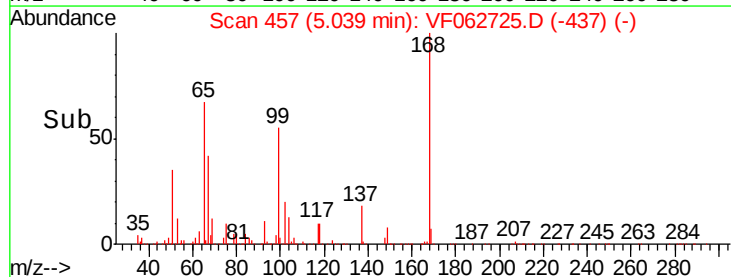
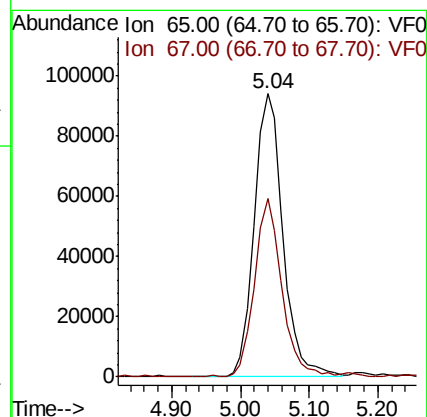
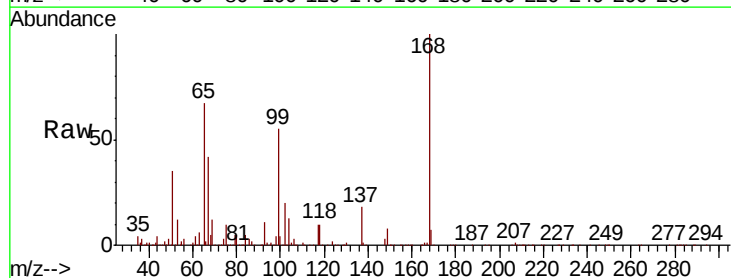
Acq: 23 May 2019 14:29

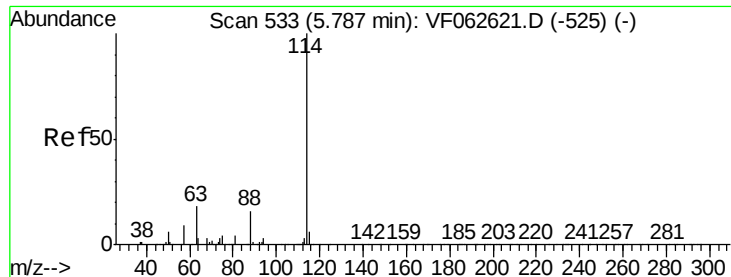
Tgt Ion: 65 Resp: 273872

Ion Ratio Lower Upper

65 100

67 62.9 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

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EP1-SB-E3-4R(17-20)

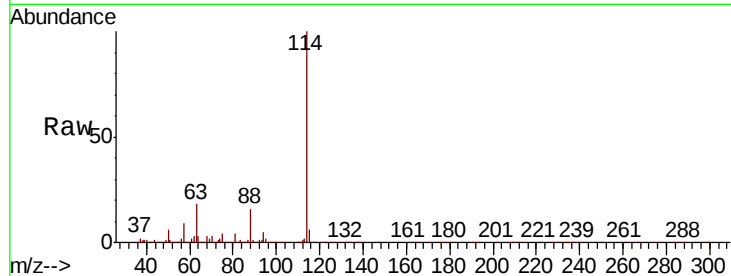
Tot Ion:114 Resp: 1515132

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

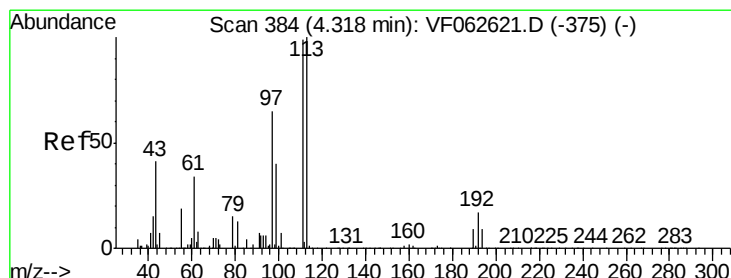
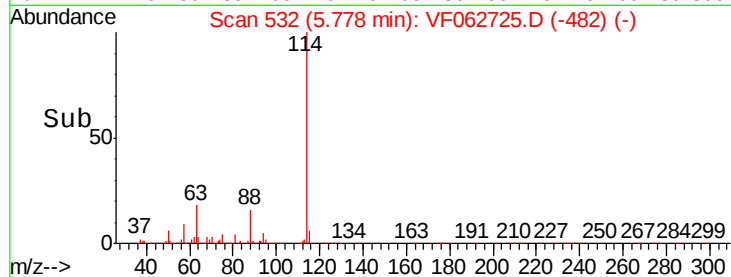
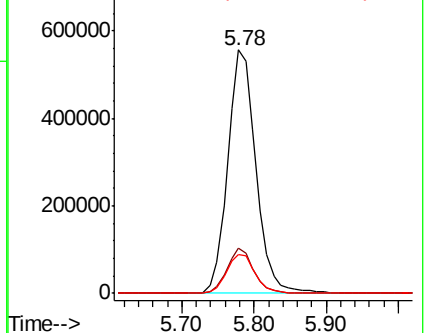
88 16.1 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 43.104 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

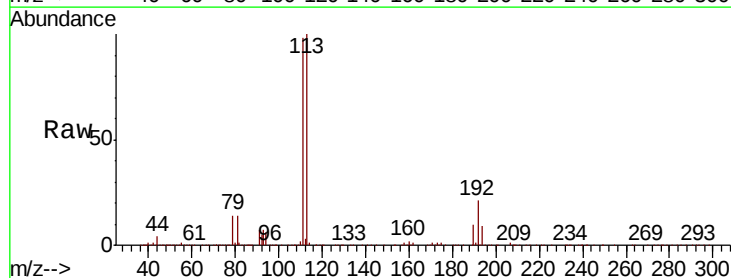
Tgt Ion:113 Resp: 499737

Ion Ratio Lower Upper

113 100

111 97.5 79.4 119.2

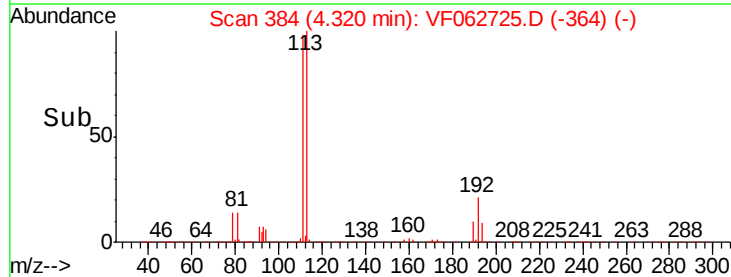
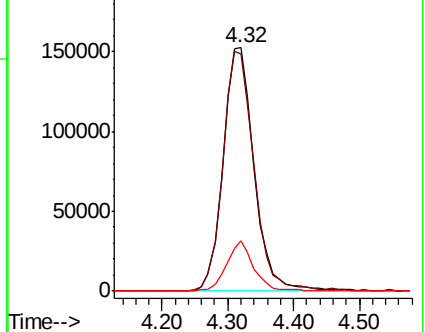
192 20.9 13.4 20.2#

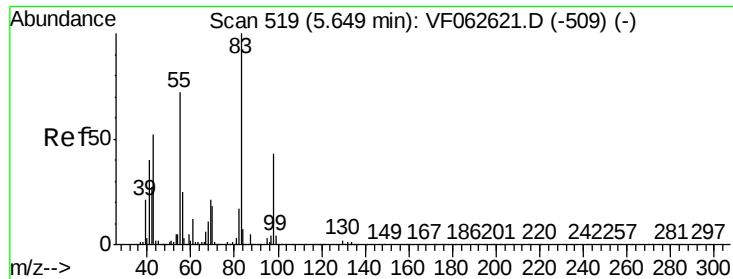


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

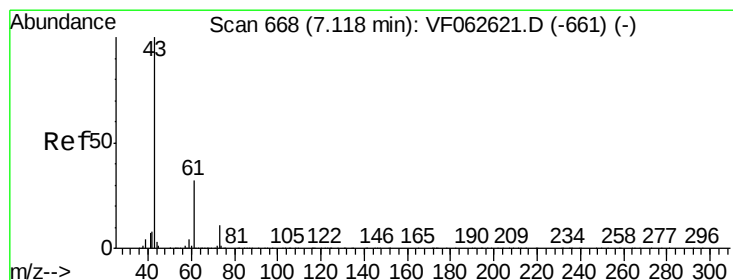
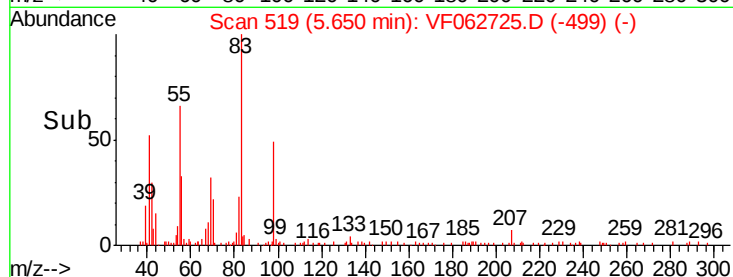
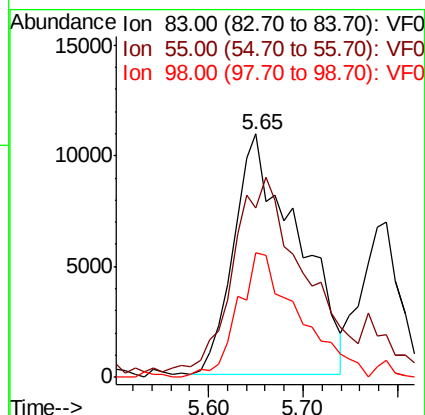
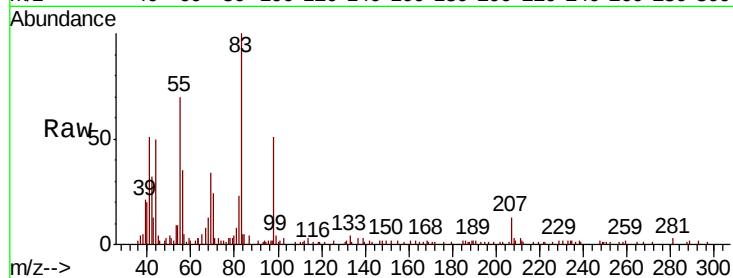




#39
Methylcyclohexane
Concen: 2.718 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

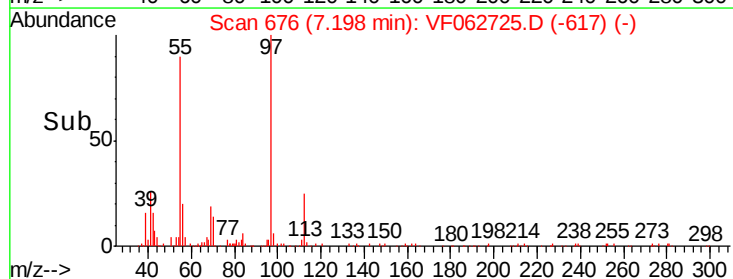
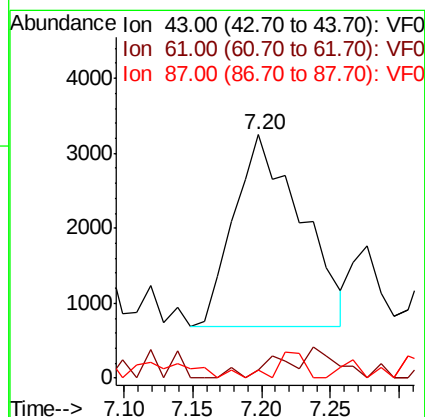
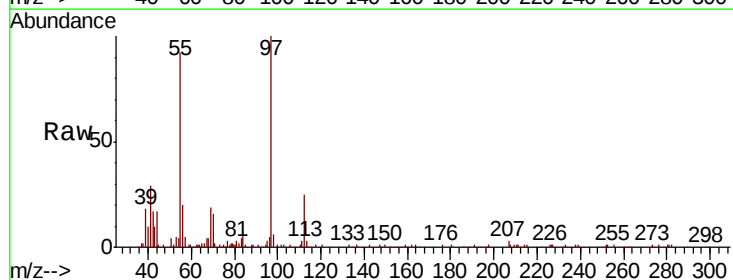
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

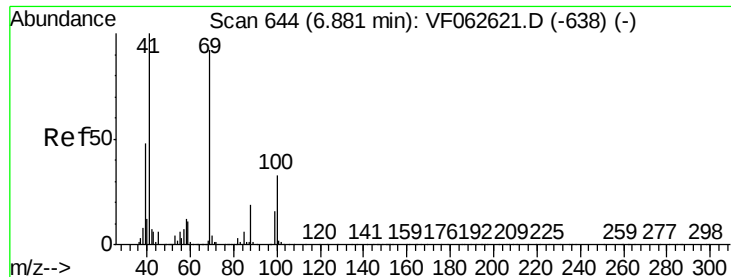
Tot Ion:	83	Resp:	50777
Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.9	86.9
98	51.3	34.6	52.0



#43
Isopropyl Acetate
Concen: 1.060 ug/l
RT: 7.20 min Scan# 676
Delta R.T. 0.08 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion:	43	Resp:	8706
Ion	Ratio	Lower	Upper
43	100		
61	3.1	25.8	38.8#
87	3.2	0.4	0.6#

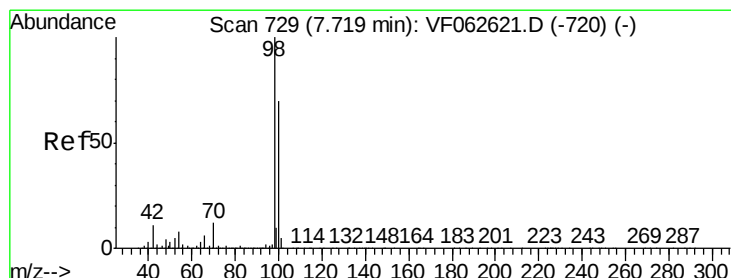
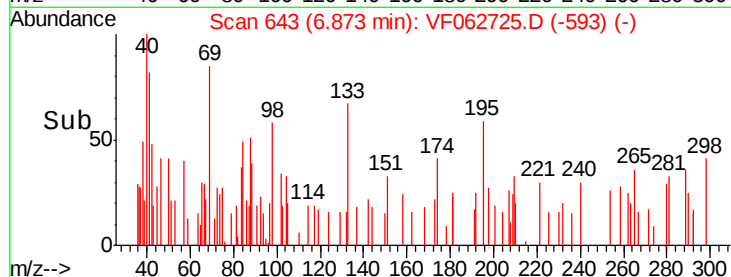
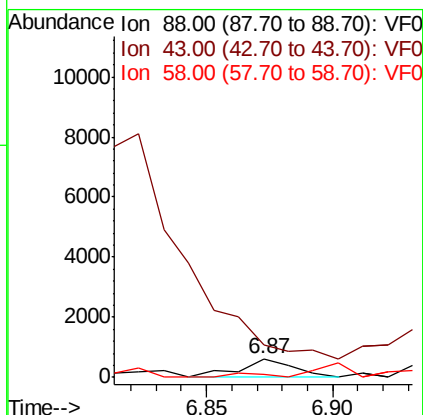
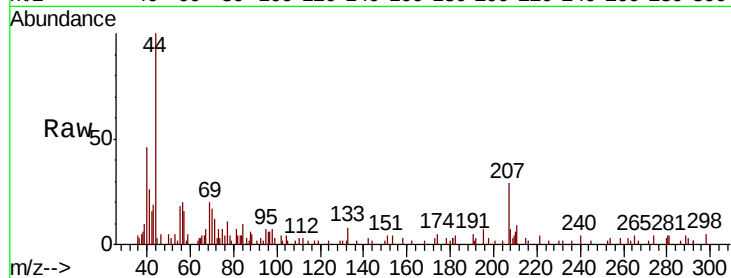




#49
1,4-Dioxane
Concen: 16.625 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

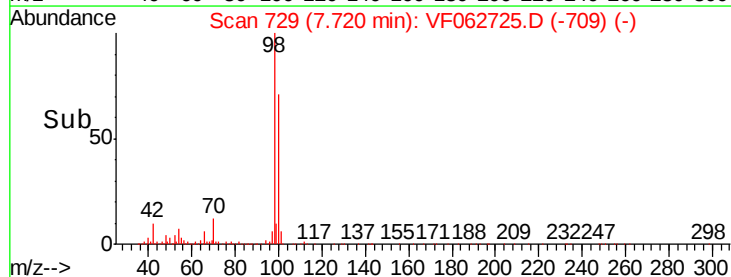
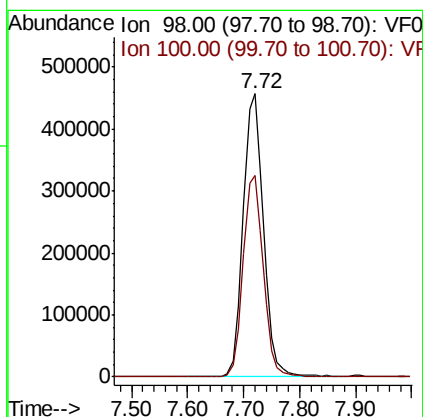
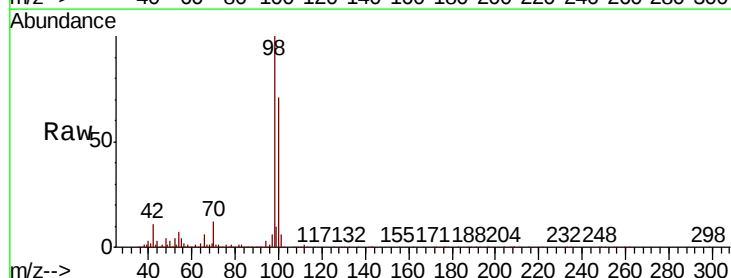
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

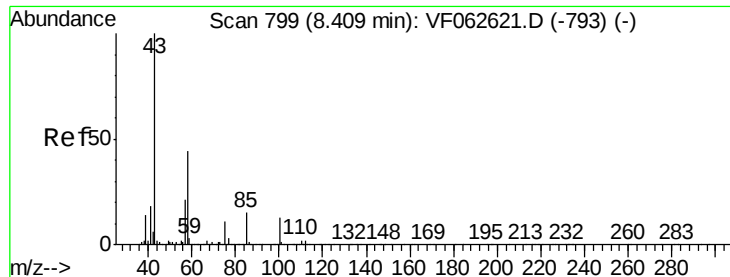
Tot Ion: 88 Resp: 914
Ion Ratio Lower Upper
88 100
43 178.0 30.0 45.0#
58 17.8 51.1 76.7#



#50
Toluene-d8
Concen: 41.421 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion: 98 Resp: 1146595
Ion Ratio Lower Upper
98 100
100 71.3 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 95.109 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

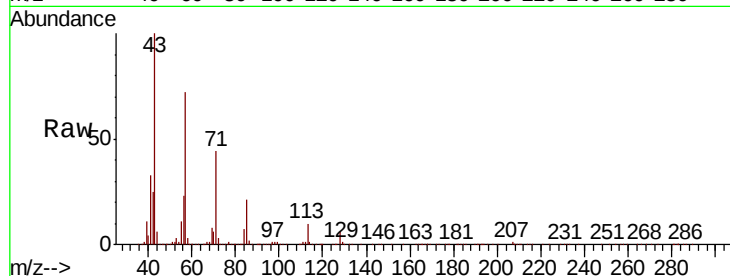
EP1-SB-E3-4R(17-20)

Tot Ion: 43 Resp: 533898

Ion Ratio Lower Upper

43 100

58 3.0 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.43

200000

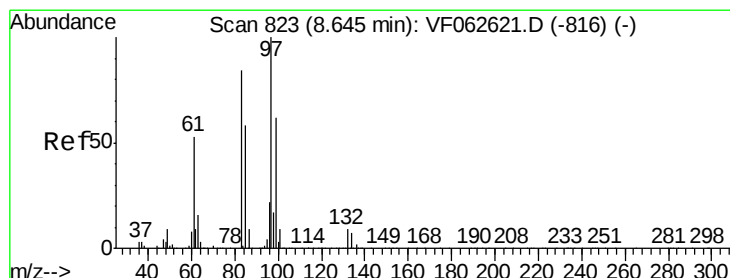
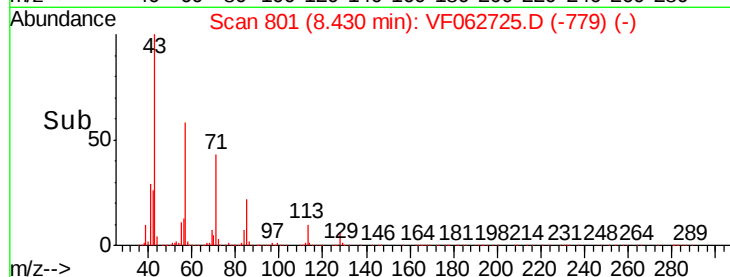
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 6.088 ug/l

RT: 8.54 min Scan# 812

Delta R.T. -0.11 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Tgt Ion: 97 Resp: 39984

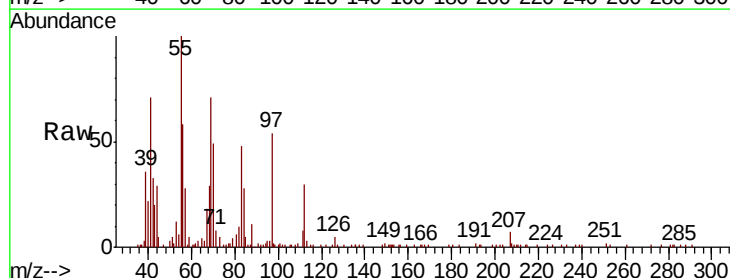
Ion Ratio Lower Upper

97 100

83 88.4 67.3 100.9

85 9.8 46.6 69.8#

99 2.7 49.7 74.5#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

250000

200000

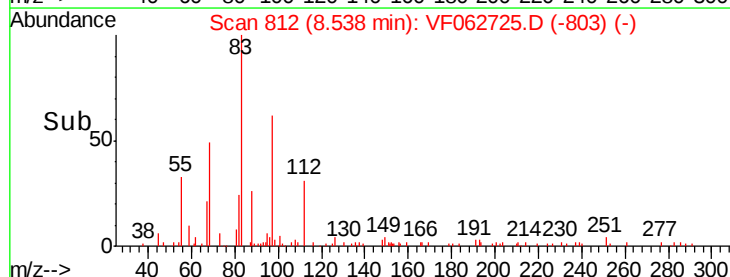
150000

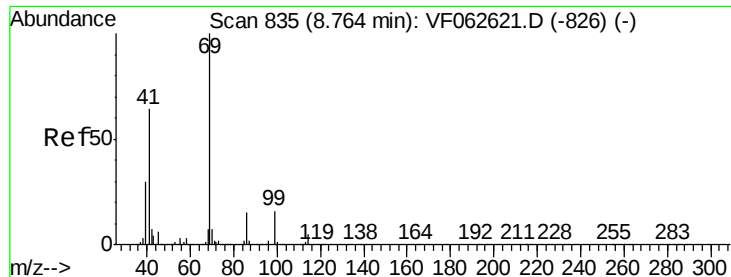
100000

50000

0

Time-->





#56

Ethyl methacrylate

Concen: 115.067 ug/l

RT: 8.78 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

EP1-SB-E3-4R(17-20)

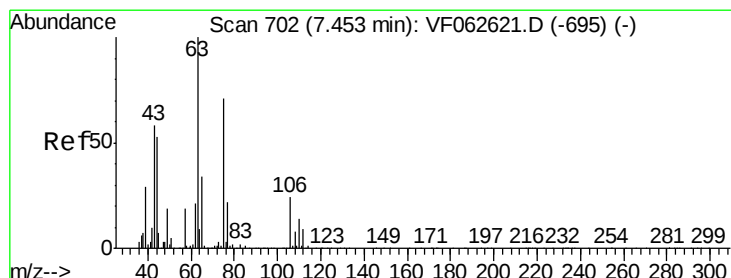
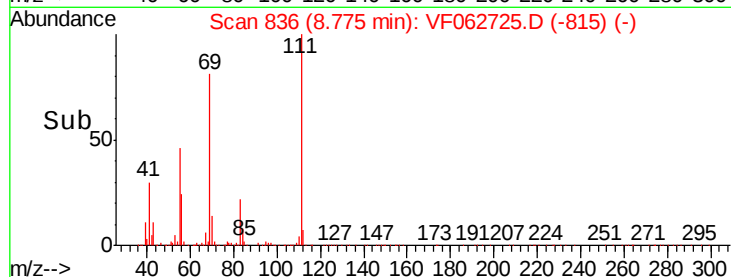
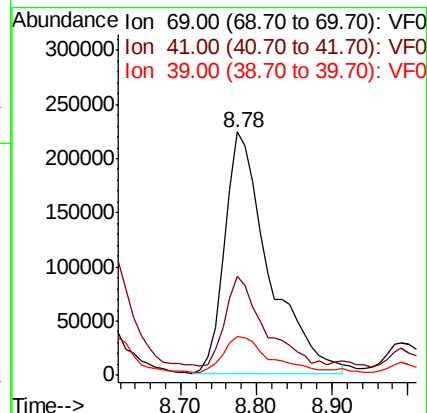
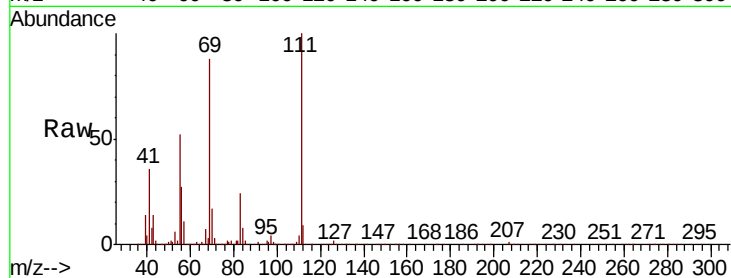
Tot Ion: 69 Resp: 900350

Ion Ratio Lower Upper

69 100

41 40.4 51.4 77.2#

39 15.8 23.6 35.4#



#58

2-Chloroethyl Vinyl ether

Concen: 2.127 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062725.D

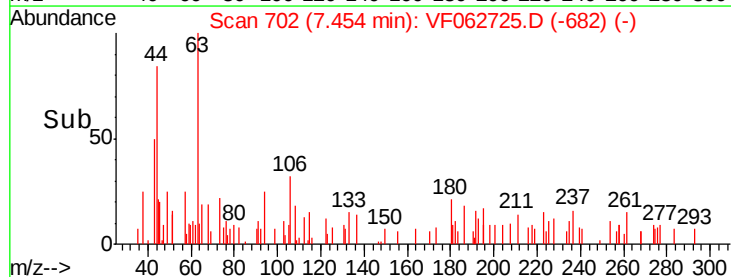
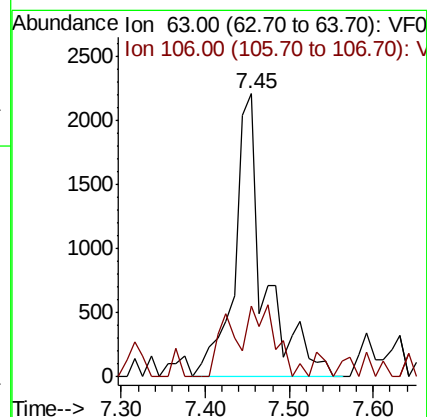
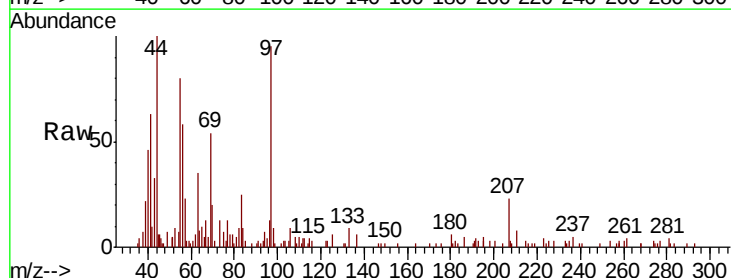
Acq: 23 May 2019 14:29

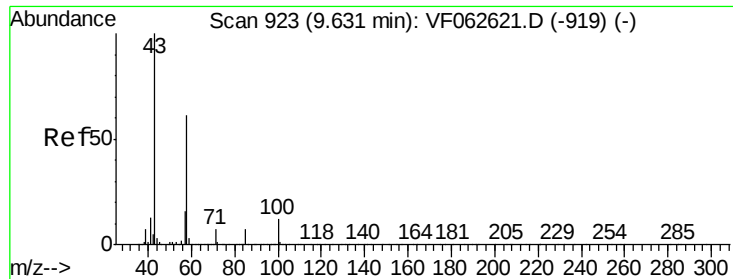
Tgt Ion: 63 Resp: 5417

Ion Ratio Lower Upper

63 100

106 25.2 19.1 28.7

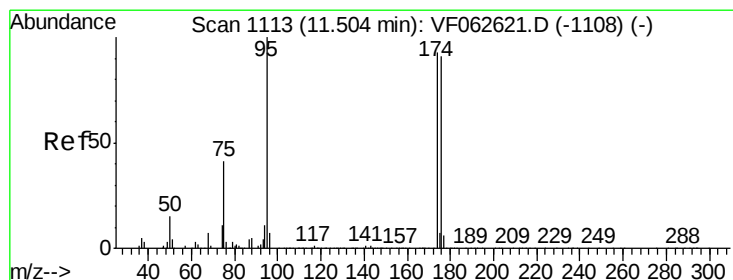
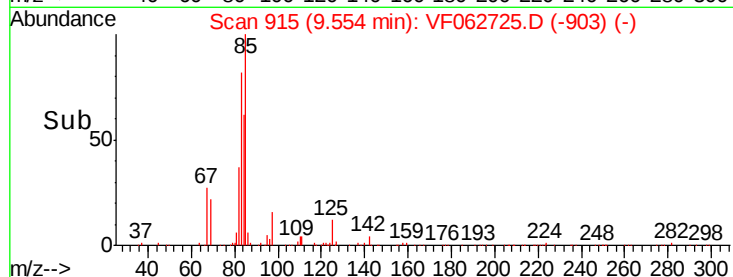
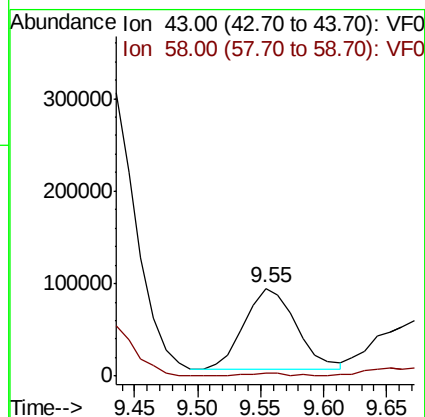
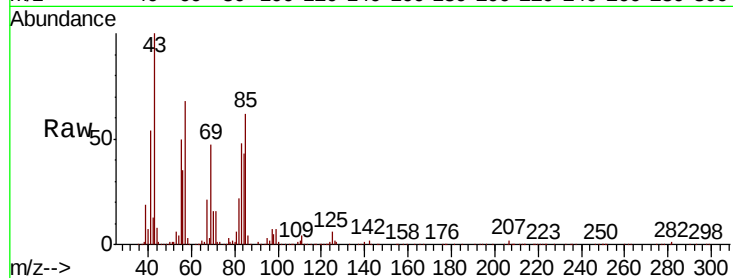




#59
2-Hexanone
Concen: 54.173 ug/l
RT: 9.55 min Scan# 915
Delta R.T. -0.08 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

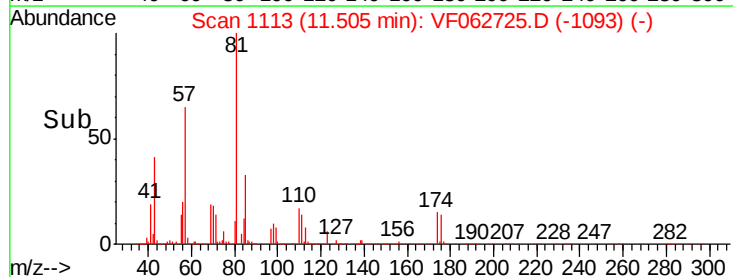
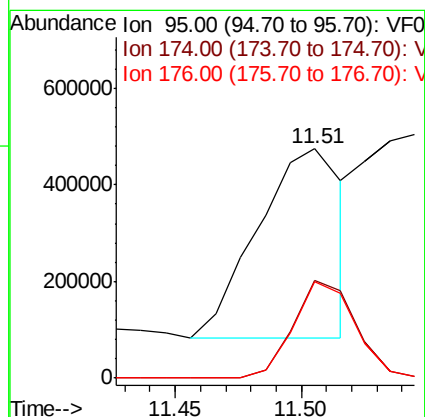
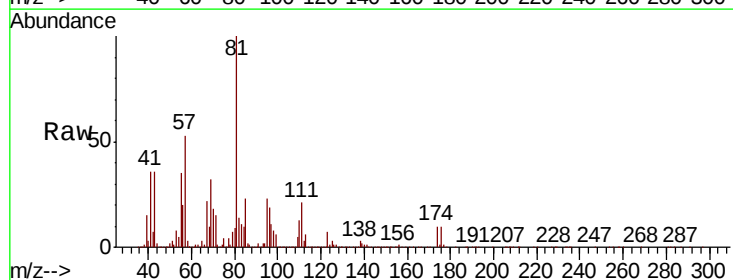
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

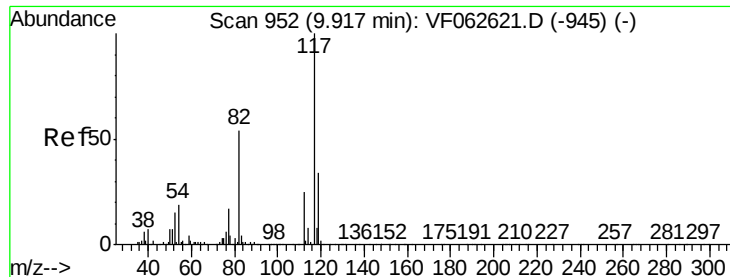
Tot Ion: 43 Resp: 248848
Ion Ratio Lower Upper
43 100
58 3.5 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 87.309 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion: 95 Resp: 916636
Ion Ratio Lower Upper
95 100
174 42.8 0.0 185.6
176 42.1 0.0 182.4

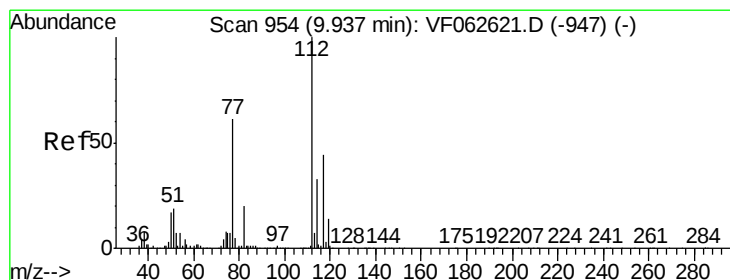
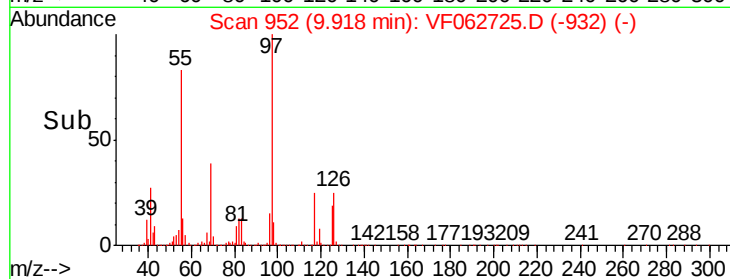
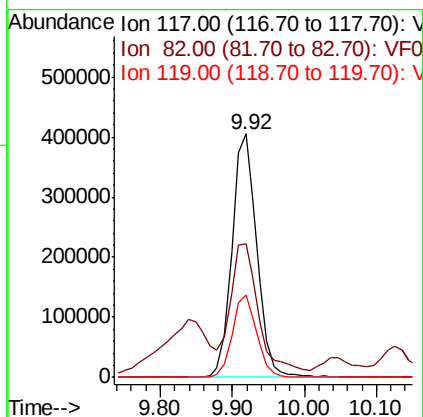
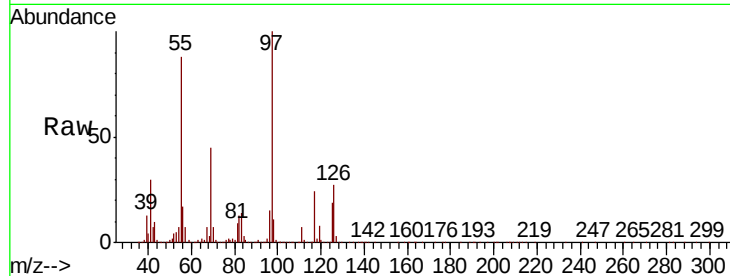




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

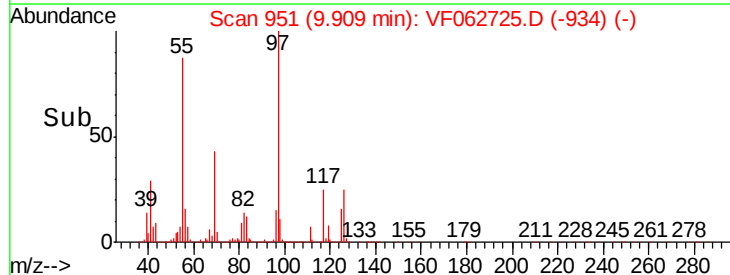
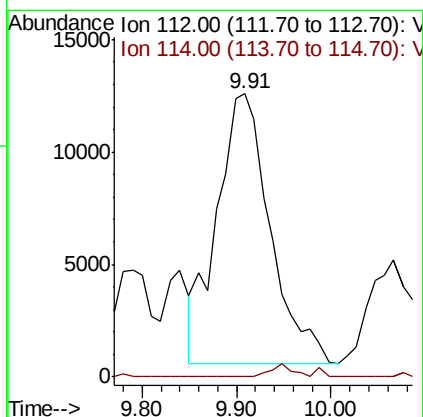
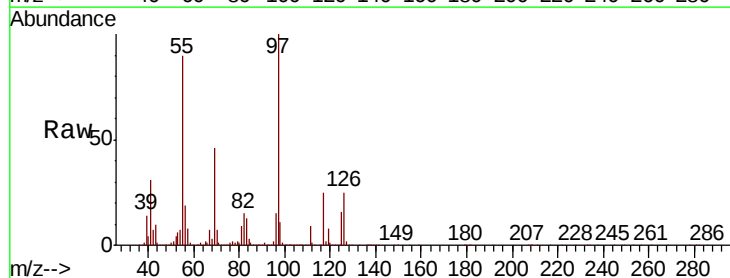
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

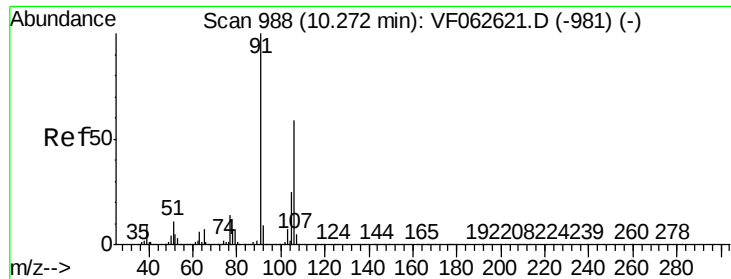
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.3	64.9
119	33.6	27.4	41.0



#65
Chlorobenzene
Concen: 2.463 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.8	40.2#

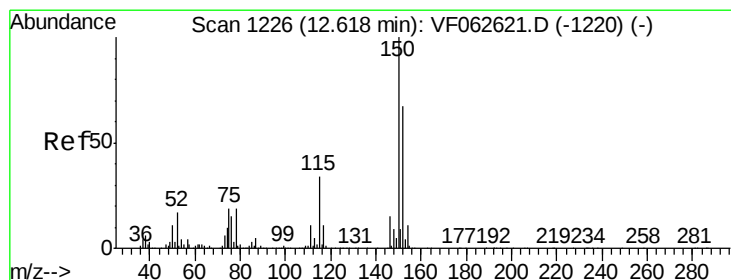
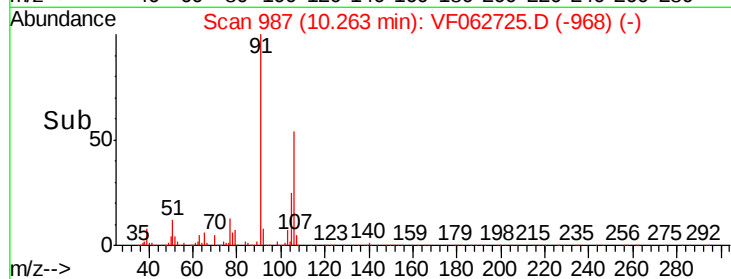
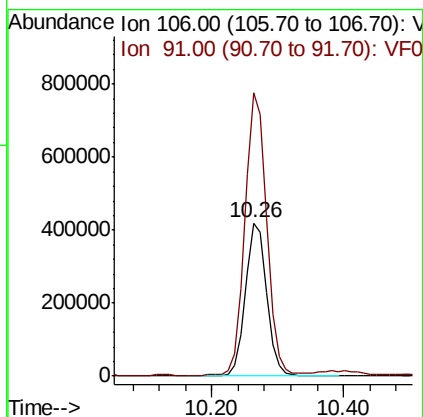
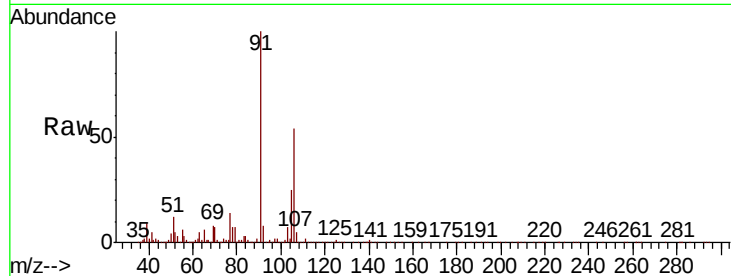




#68
m/p-Xvlenes
Concen: 76.753 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

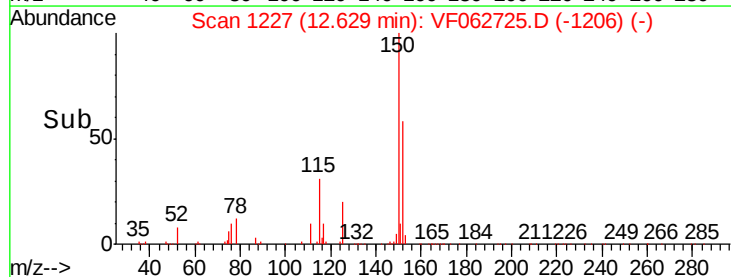
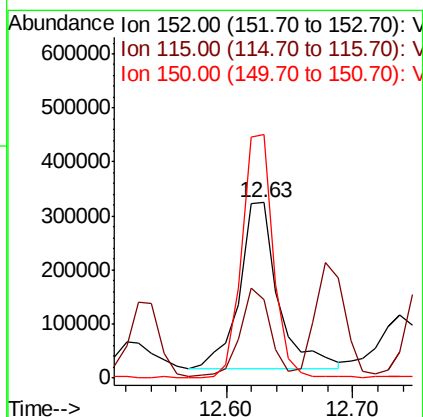
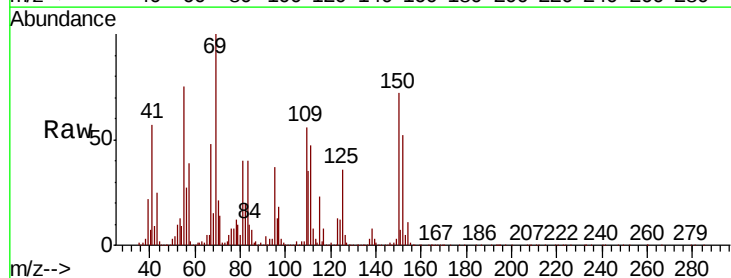
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

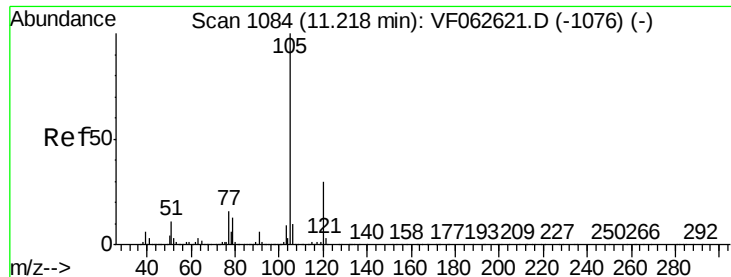
Tot Ion:106 Resp: 954709
Ion Ratio Lower Upper
106 100
91 184.7 136.9 205.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion:152 Resp: 653367
Ion Ratio Lower Upper
152 100
115 44.4 25.2 75.6
150 138.7 0.0 306.2





#73

Isopropylbenzene

Concen: 3.667 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

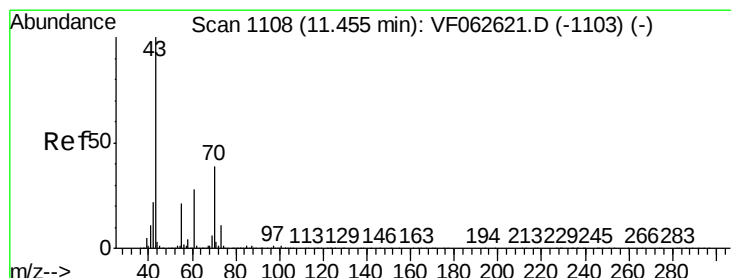
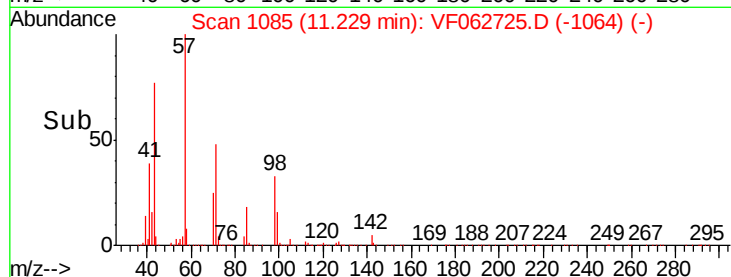
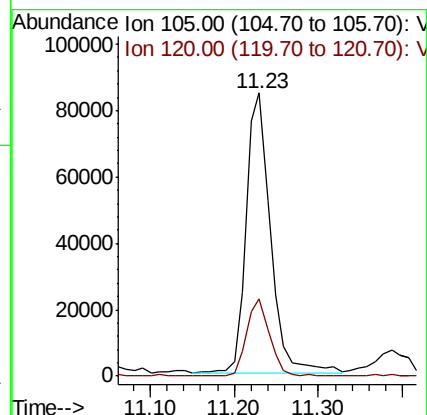
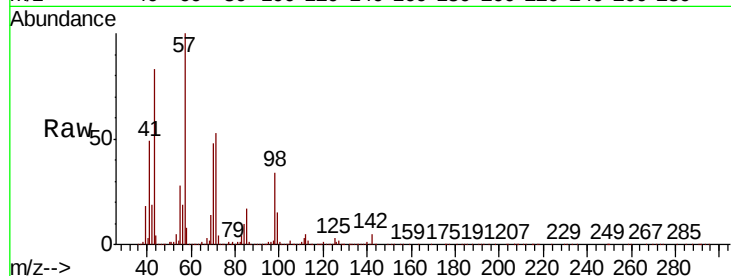
EP1-SB-E3-4R(17-20)

Tot Ion:105 Resp: 171716

Ion Ratio Lower Upper

105 100

120 27.4 14.8 44.4



#74

N-ethyl acetate

Concen: 142.393 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.05 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Tgt Ion: 43 Resp: 1577761

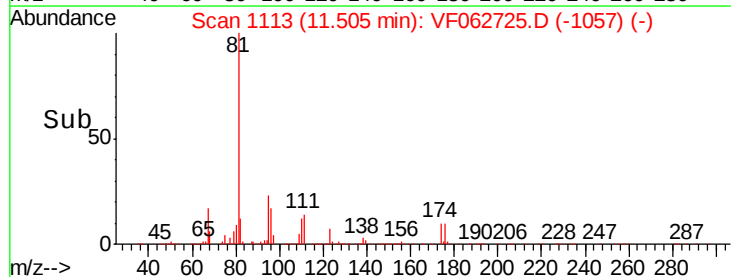
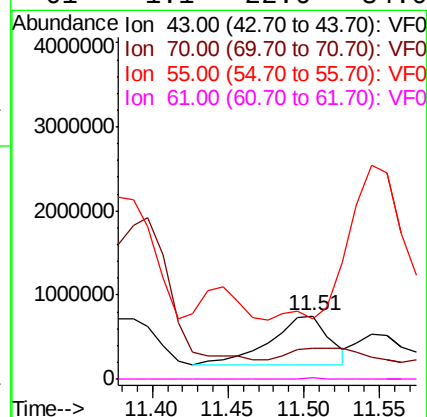
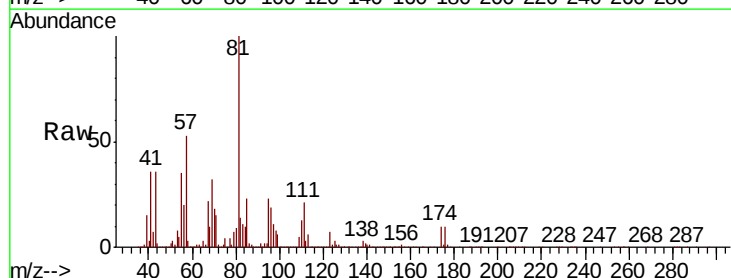
Ion Ratio Lower Upper

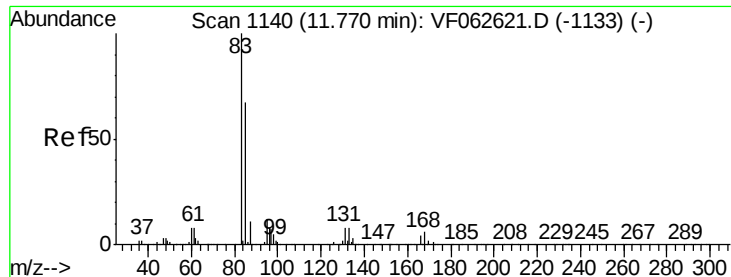
43 100

70 48.9 30.9 46.3#

55 96.4 17.0 25.4#

61 1.1 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 211.036 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

EP1-SB-E3-4R(17-20)

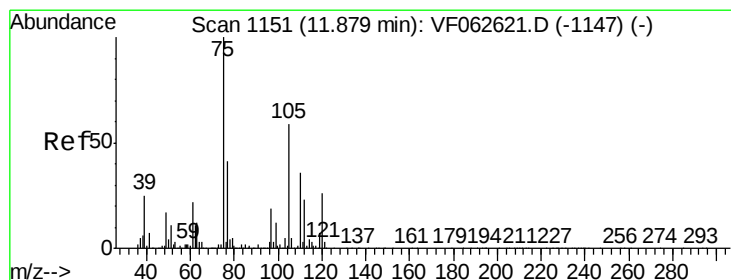
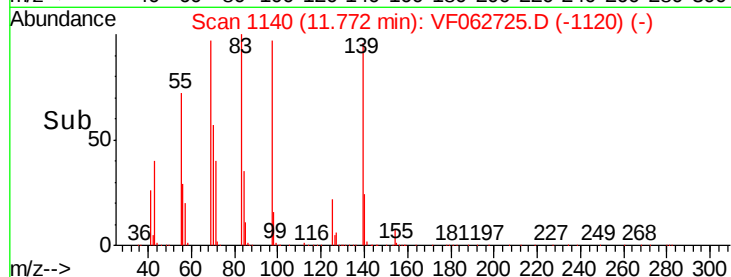
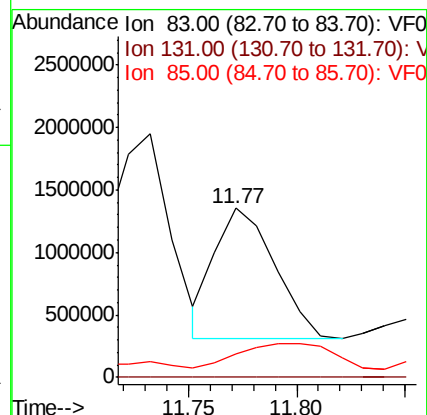
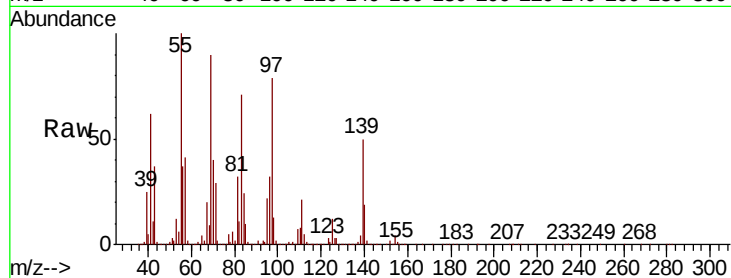
Tot Ion: 83 Resp: 2019601

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 14.1 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 4.507 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VF062725.D

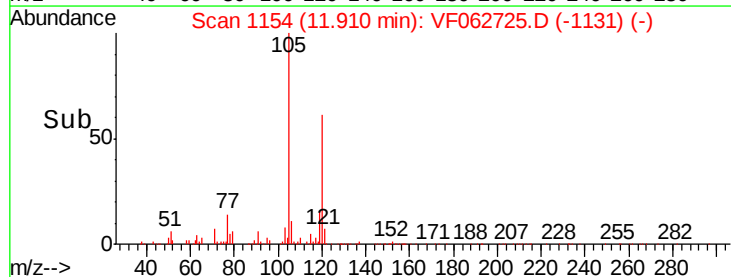
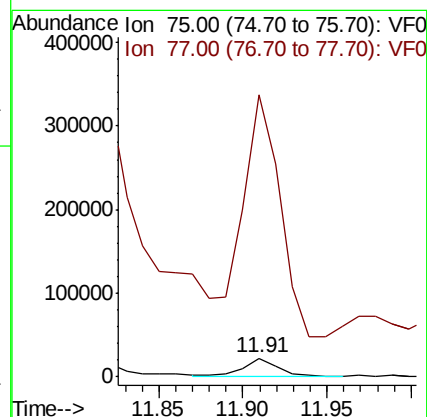
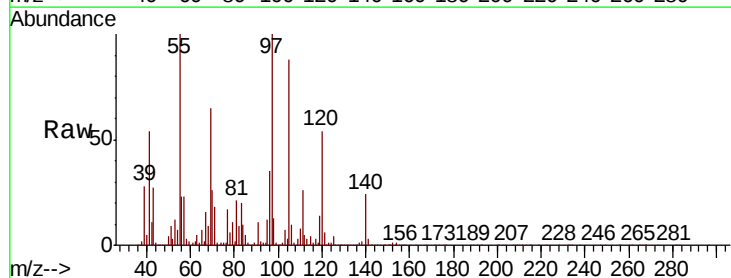
Acq: 23 May 2019 14:29

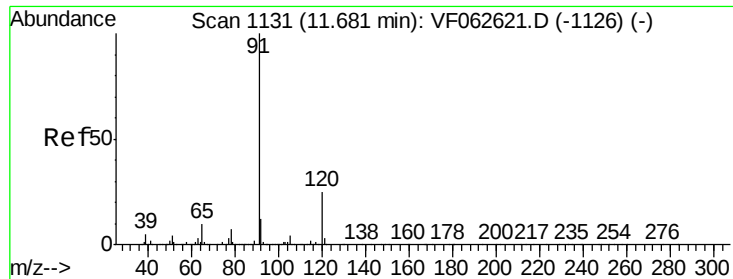
Tgt Ion: 75 Resp: 28338

Ion Ratio Lower Upper

75 100

77 1506.9 20.6 61.8#





#78

n-propylbenzene

Concen: 5.212 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

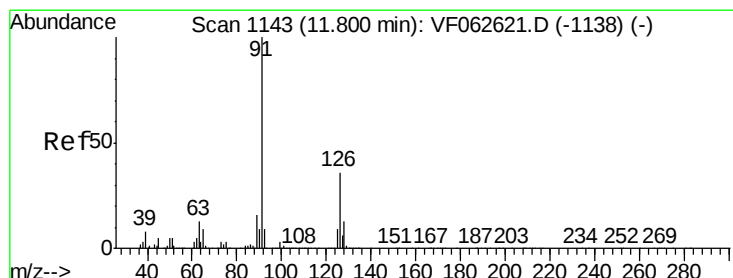
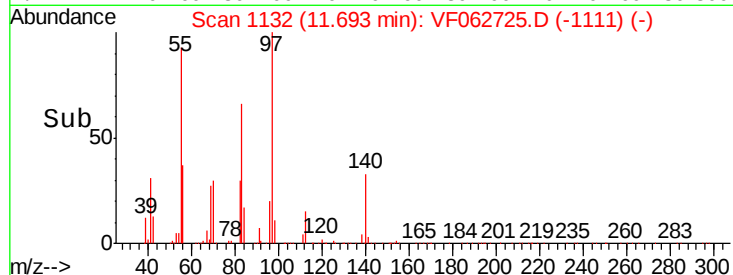
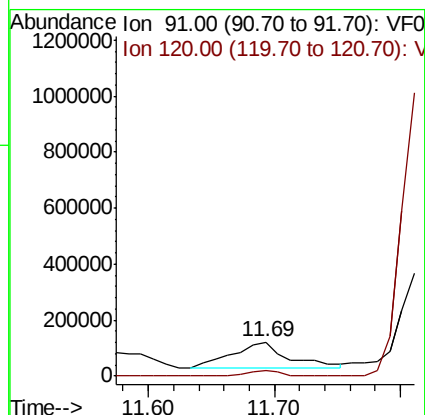
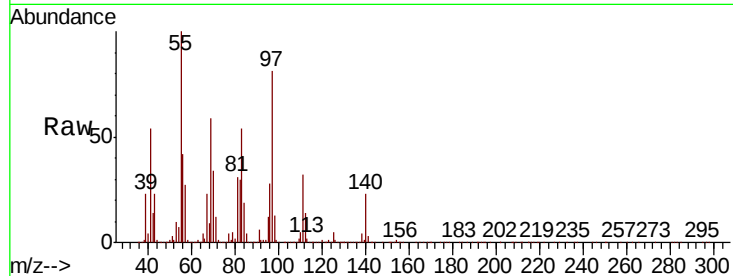
EP1-SB-E3-4R(17-20)

Tot Ion: 91 Resp: 288867

Ion Ratio Lower Upper

91 100

120 17.4 12.7 38.1



#79

2-Chlorotoluene

Concen: 20.987 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062725.D

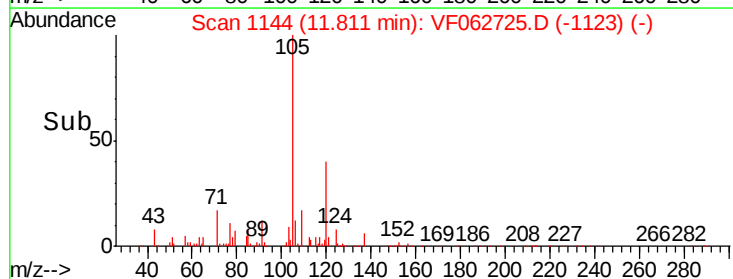
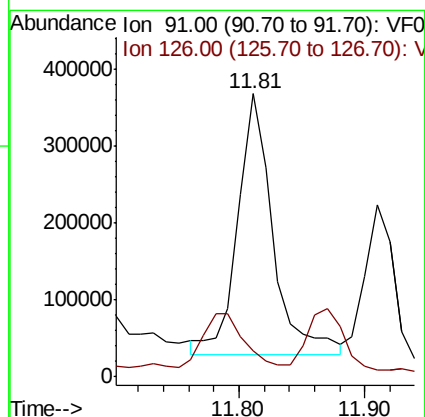
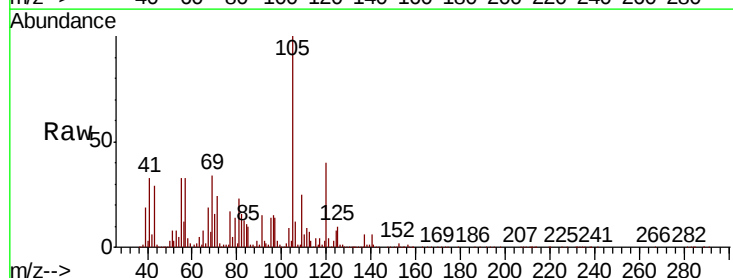
Acq: 23 May 2019 14:29

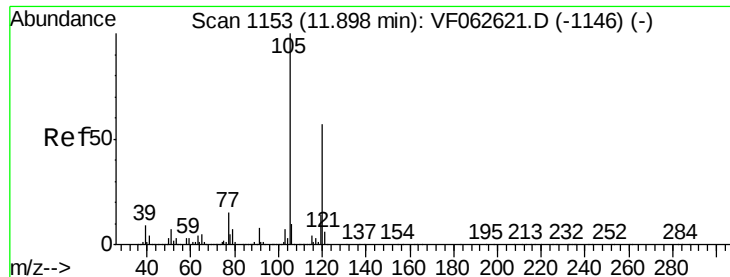
Tgt Ion: 91 Resp: 655465

Ion Ratio Lower Upper

91 100

126 9.1 18.1 54.4#

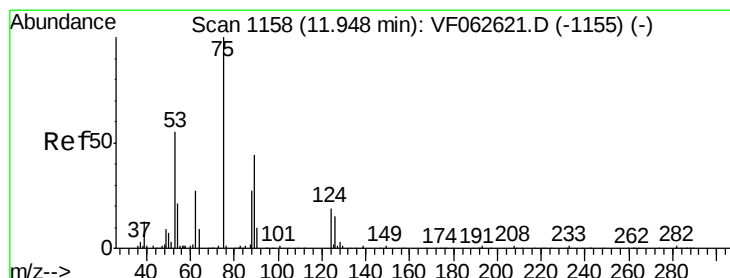
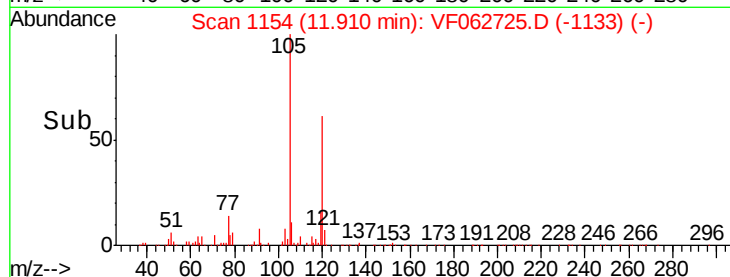
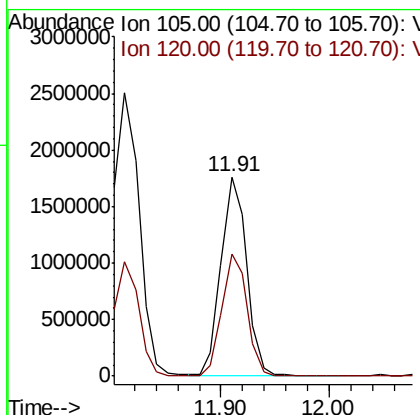
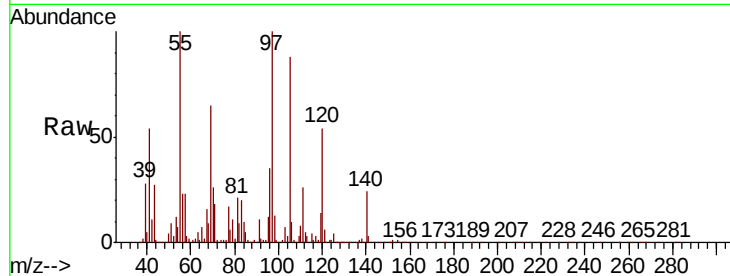




#80
 1,3,5-Trimethylbenzene
 Concen: 77.389 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062725.D
 Acq: 23 May 2019 14:29

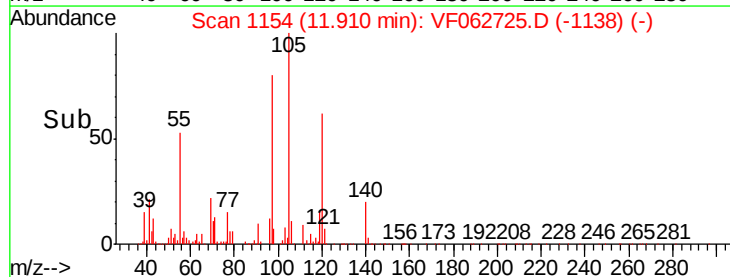
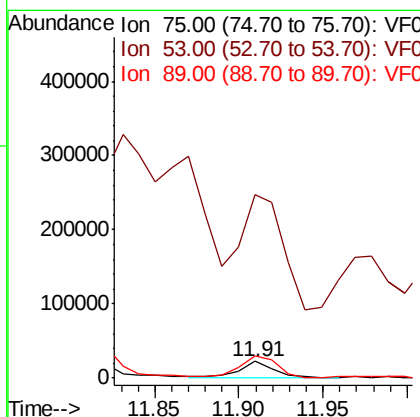
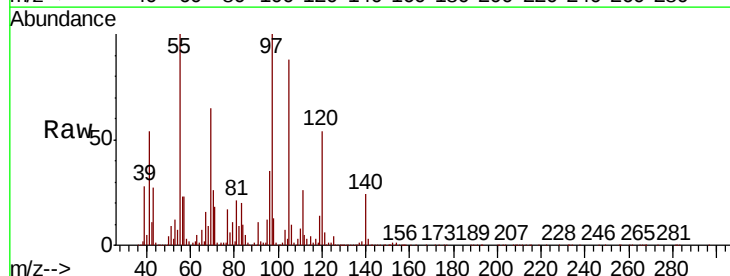
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-SB-E3-4R(17-20)

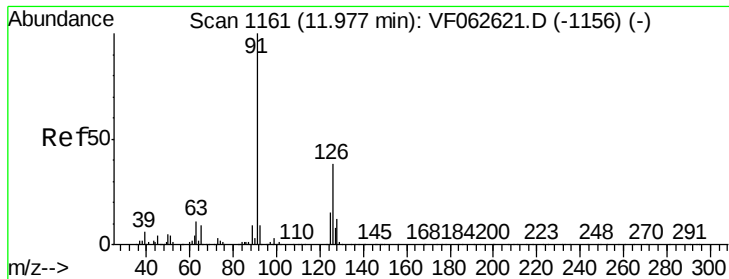
Tot Ion:105 Resp: 2905855
 Ion Ratio Lower Upper
 105 100
 120 61.6 28.7 86.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10.139 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.04 min
 Lab File: VF062725.D
 Acq: 23 May 2019 14:29

Tgt Ion: 75 Resp: 28338
 Ion Ratio Lower Upper
 75 100
 53 1110.6 46.9 70.3#
 89 133.1 36.4 54.6#





#82

4-Chlorotoluene

Concen: 4.138 ug/l

RT: 12.05 min Scan# 1168

Delta R.T. 0.07 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

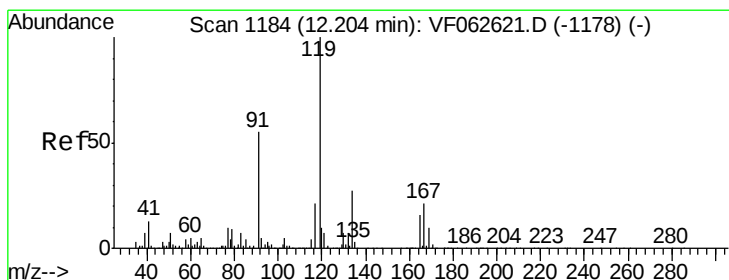
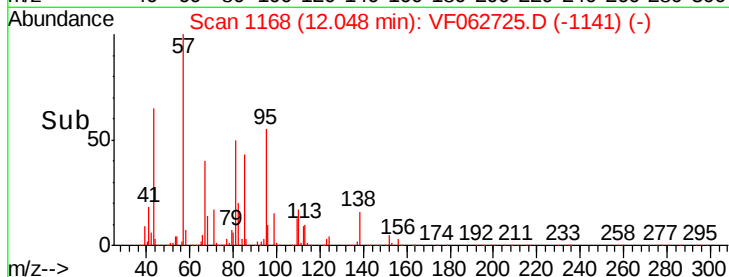
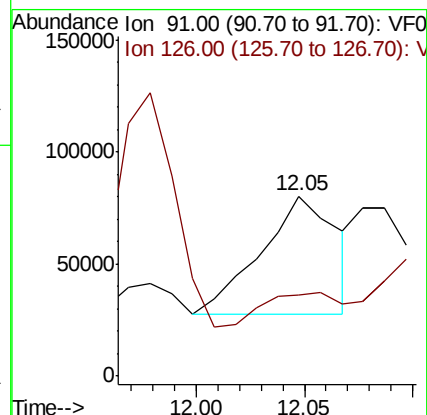
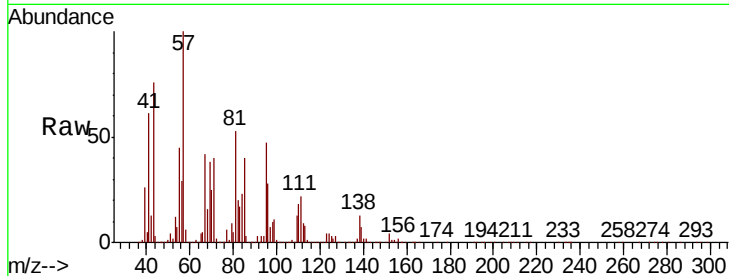
EP1-SB-E3-4R(17-20)

Tot Ion: 91 Resp: 127450

Ion Ratio Lower Upper

91 100

126 45.0 19.1 57.1



#83

tert-Butylbenzene

Concen: 28.491 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

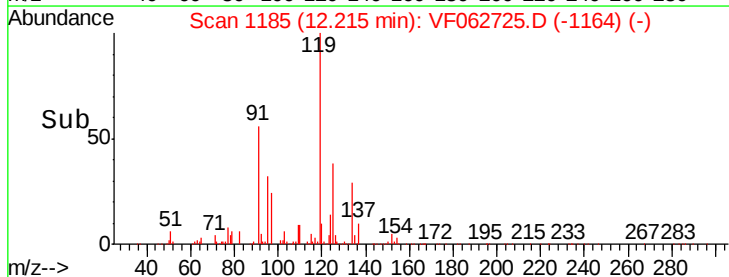
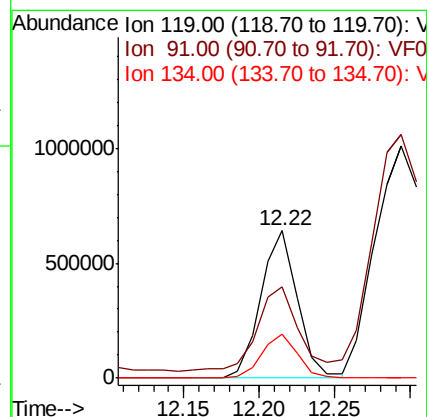
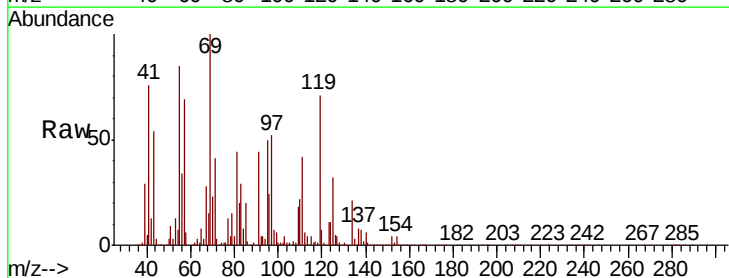
Tgt Ion: 119 Resp: 1085355

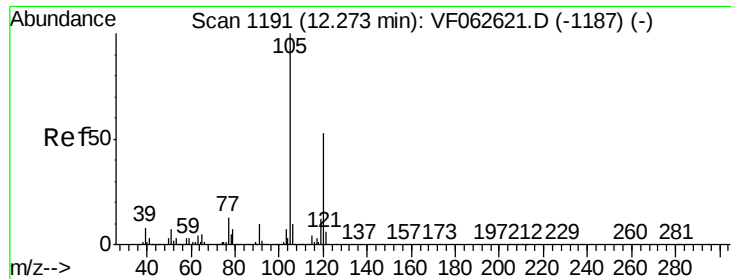
Ion Ratio Lower Upper

119 100

91 61.7 27.3 81.9

134 29.5 13.6 40.7

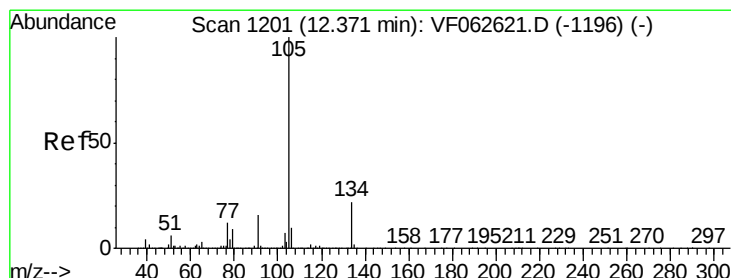
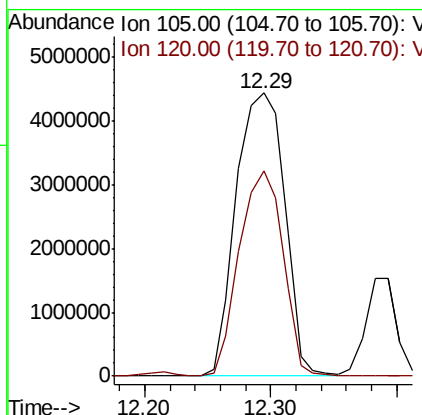
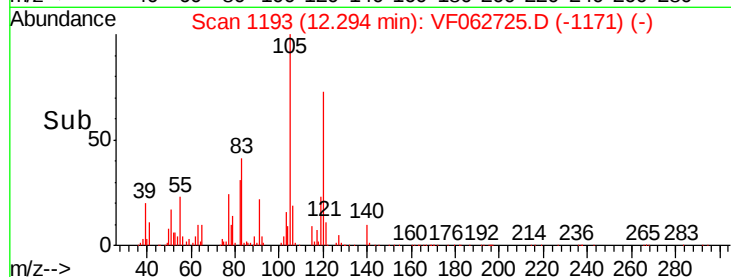
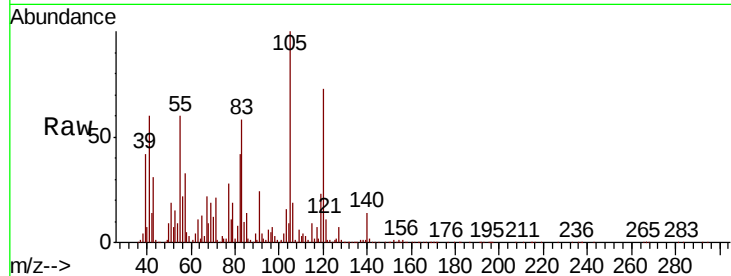




#84
 1,2,4-Trimethylbenzene
 Concen: 325.430 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.02 min
 Lab File: VF062725.D
 Acq: 23 May 2019 14:29

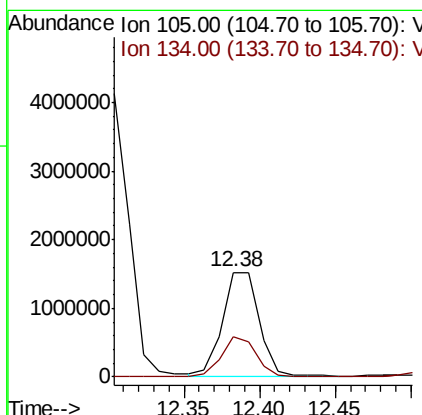
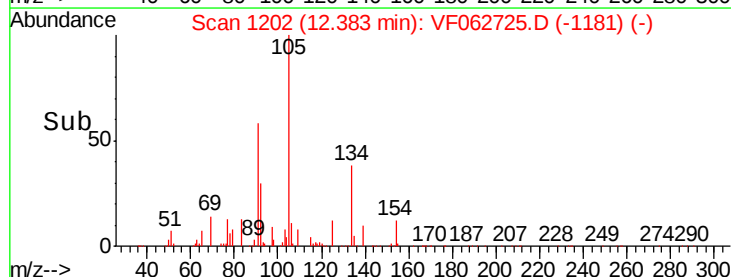
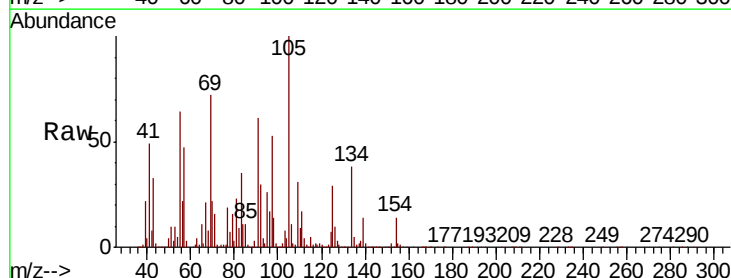
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-SB-E3-4R(17-20)

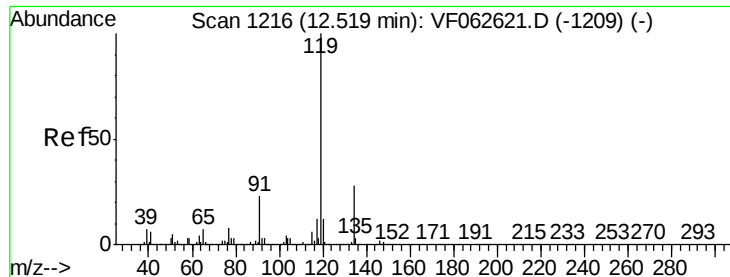
Tot Ion:105 Resp:11826844
 Ion Ratio Lower Upper
 105 100
 120 72.6 26.7 80.1



#85
 sec-Butylbenzene
 Concen: 49.672 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062725.D
 Acq: 23 May 2019 14:29

Tgt Ion:105 Resp: 2539430
 Ion Ratio Lower Upper
 105 100
 134 37.9 10.8 32.4#

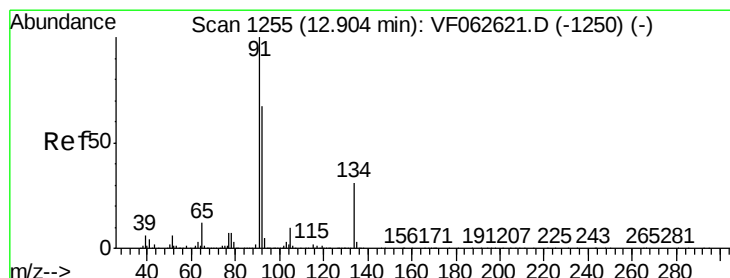
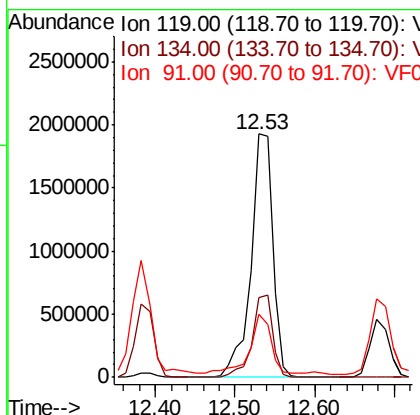
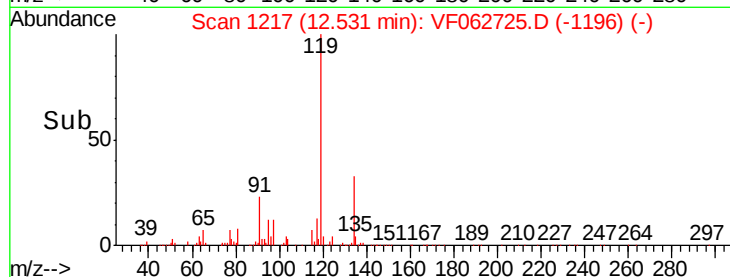
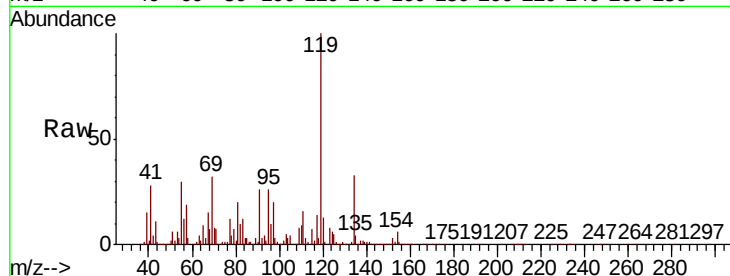




#86
p-Isopropyltoluene
Concen: 83.310 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

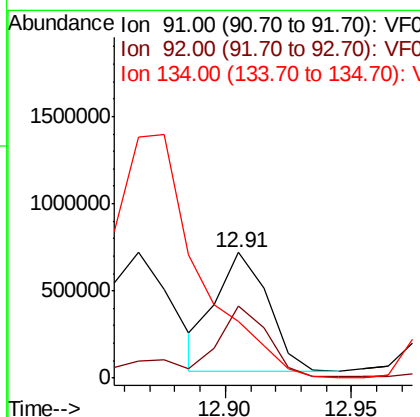
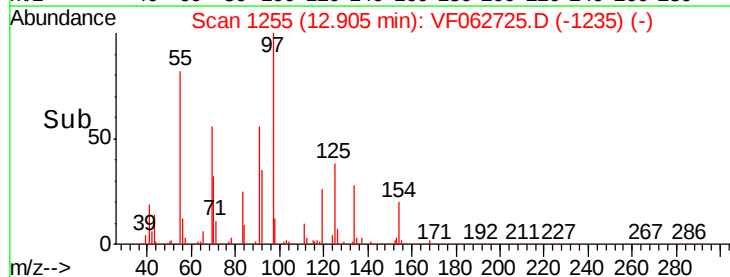
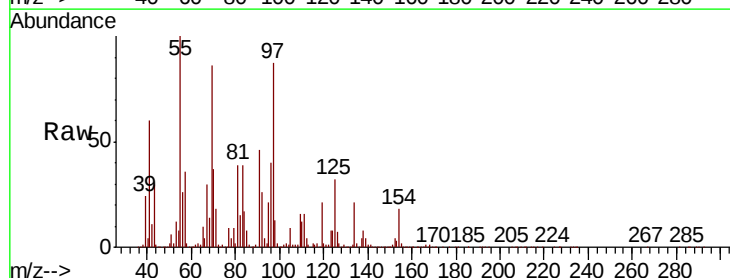
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

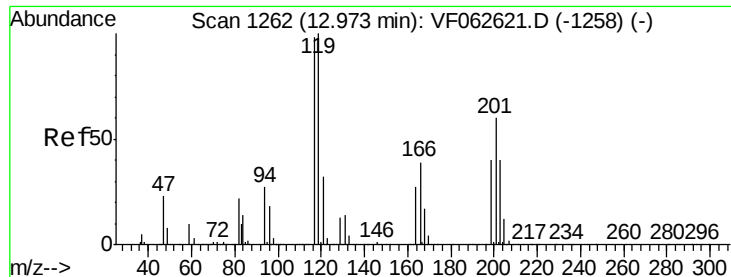
Tot Ion:119 Resp: 3589408
Ion Ratio Lower Upper
119 100
134 32.7 14.1 42.3
91 25.8 11.4 34.2



#89
n-Butylbenzene
Concen: 23.095 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

Tgt Ion: 91 Resp: 981081
Ion Ratio Lower Upper
91 100
92 57.2 33.3 99.8
134 45.2 15.4 46.4





#90

Hexachloroethane

Concen: 57.569 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

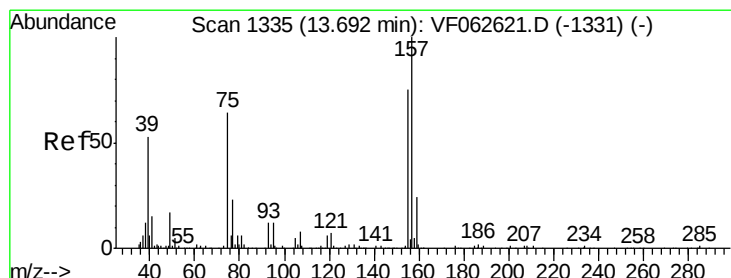
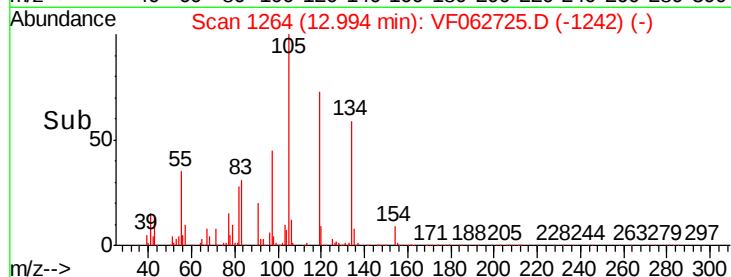
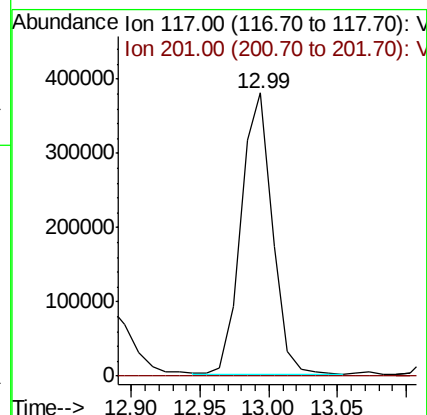
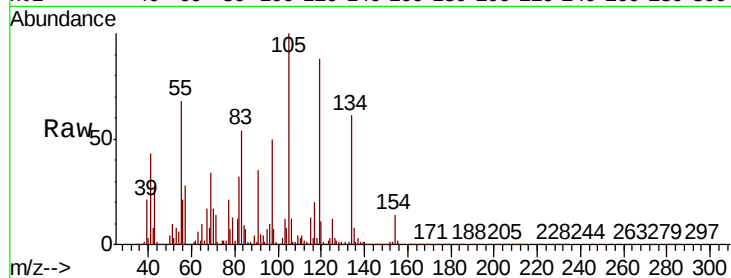
EP1-SB-E3-4R(17-20)

Tot Ion:117 Resp: 595006

Ion Ratio Lower Upper

117 100

201 0.2 30.7 92.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.546 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

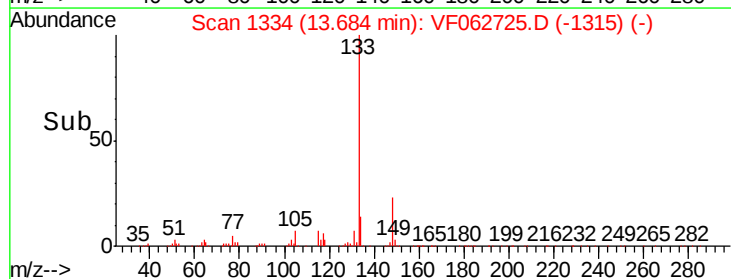
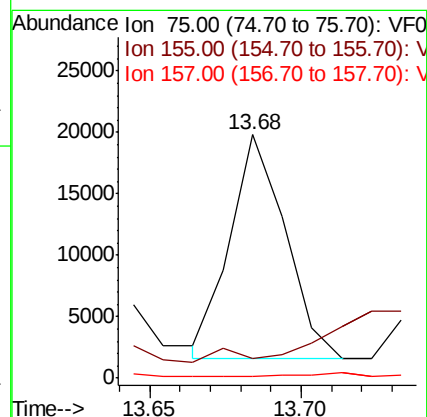
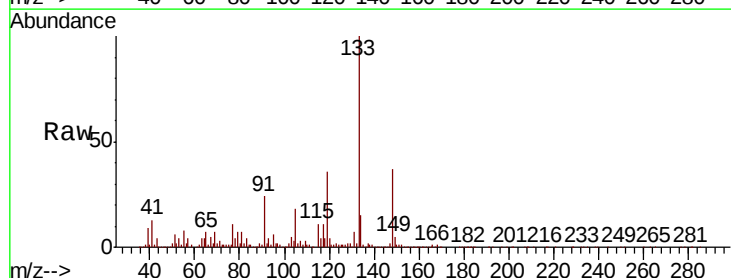
Tgt Ion: 75 Resp: 23457

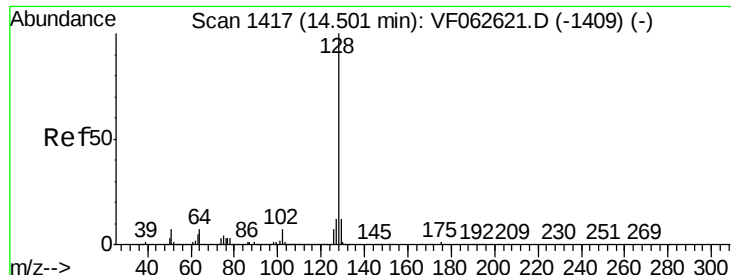
Ion Ratio Lower Upper

75 100

155 8.3 58.1 174.3#

157 0.9 77.8 233.4#





#95

Naphthalene

Concen: 3.883 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062725.D

Acq: 23 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

EP1-SB-E3-4R(17-20)

Tot Ion:128 Resp: 94781

Ion Ratio Lower Upper

128 100

127 26.9 9.7 14.5#

129 59.9 9.3 13.9#

