

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)

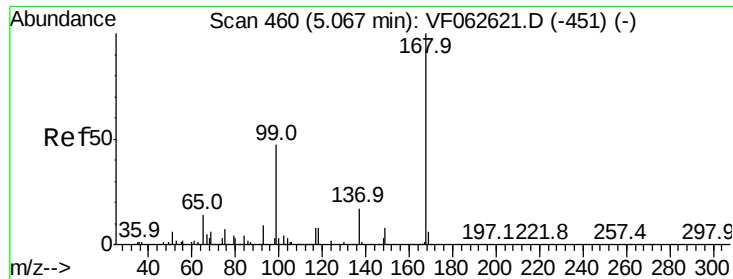
Quant Time: May 24 02:36:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

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
39) Methylcyclohexane	5.65	83	50777	2.718	ug/l	93
68) m/p-Xylenes	10.26	106	954709	76.753	ug/l	90
73) Isopropylbenzene	11.23	105	171716	3.667	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	2905855	77.389	ug/l	94
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

(#) = 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 :

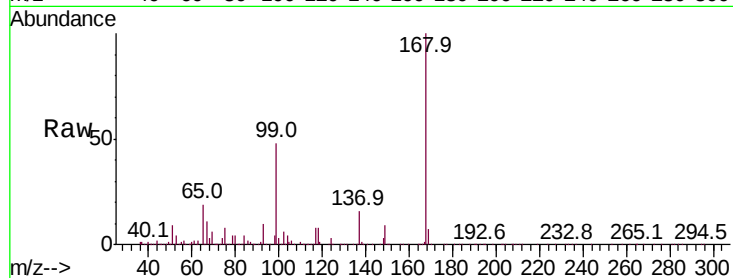
EP1-SB-E3-4R(17-20)

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): V

Ion 99.00 (98.70 to 99.70): VF0

5.06

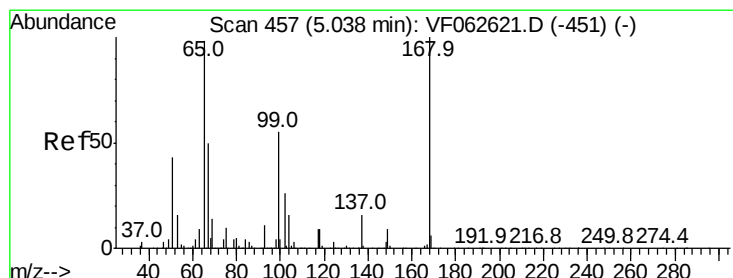
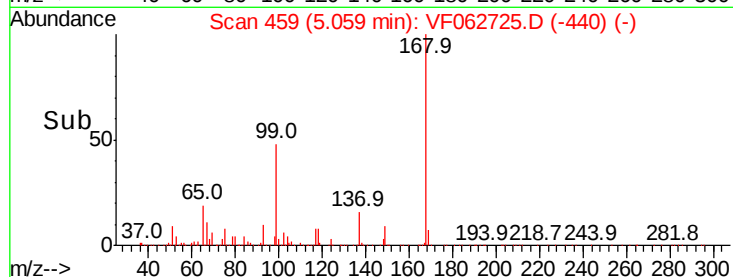
300000

200000

100000

0

Time-->



#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

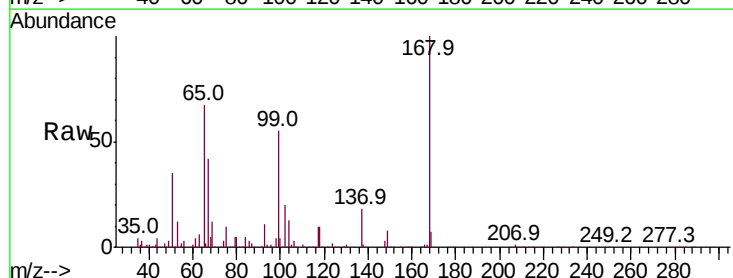
Acq: 23 May 2019 14:29

Tgt Ion: 65 Resp: 273872

Ion Ratio Lower Upper

65 100

67 62.9 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

100000

80000

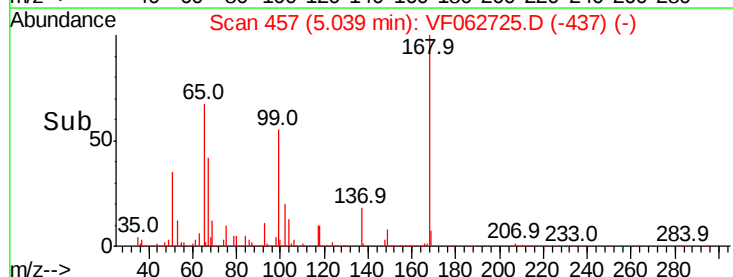
60000

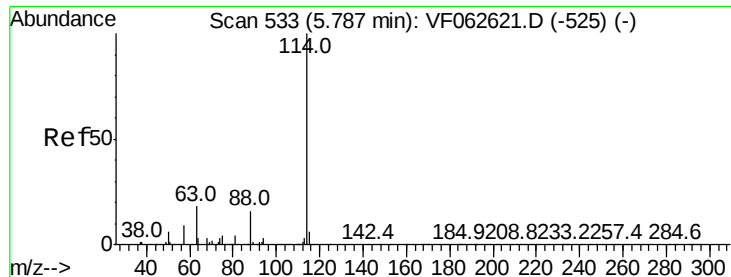
40000

20000

0

Time-->





#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

Instrument :

MSVOA_F

ClientSampleId :

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

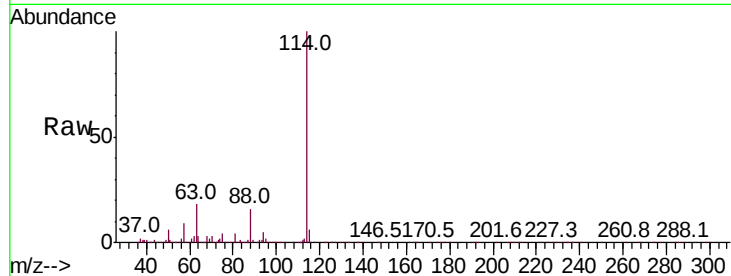
Tot Ion:114 Resp: 1515132

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

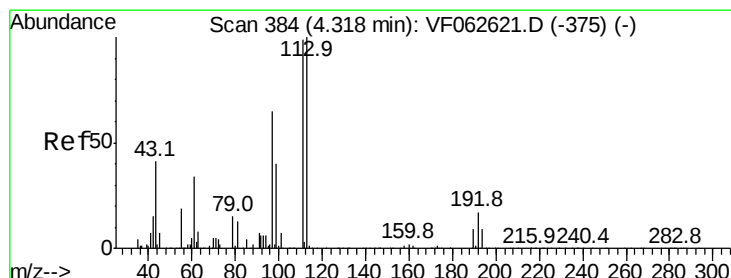
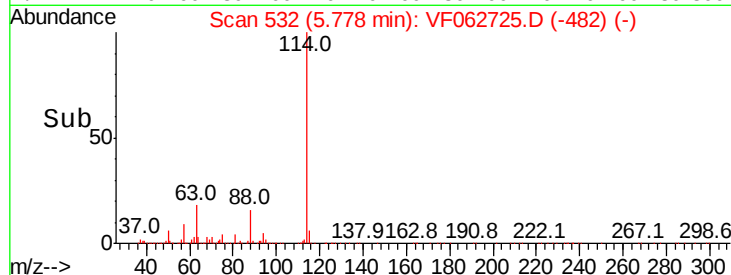
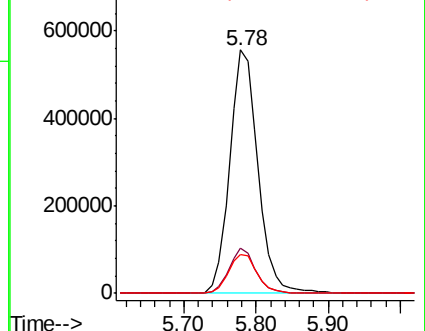
88 16.1 0.0 32.4



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

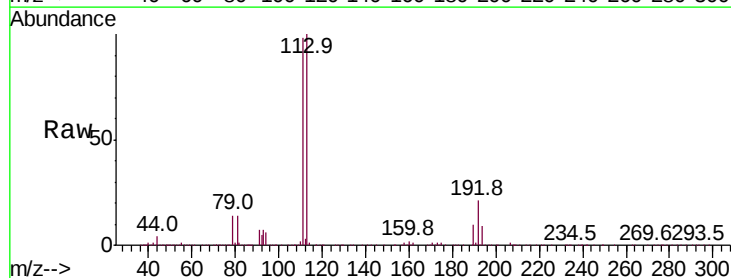
Tgt Ion:113 Resp: 499737

Ion Ratio Lower Upper

113 100

111 97.5 79.4 119.2

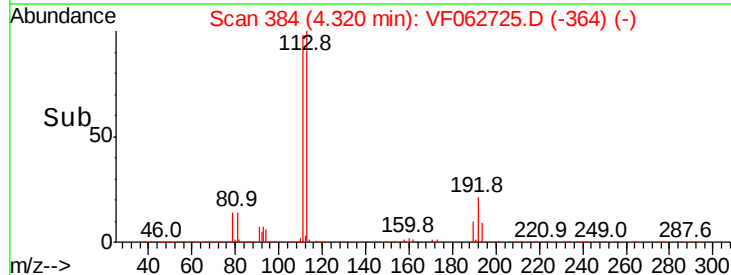
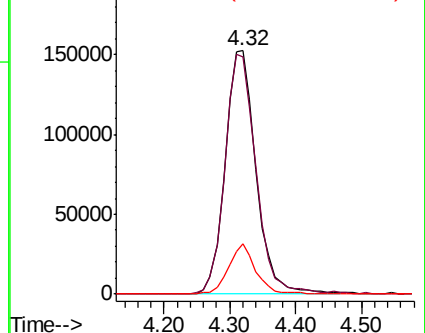
192 20.9 13.4 20.2#

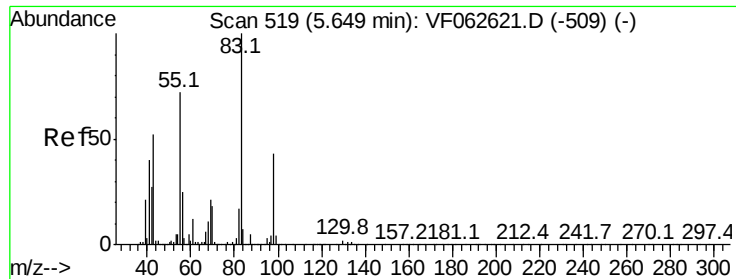


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

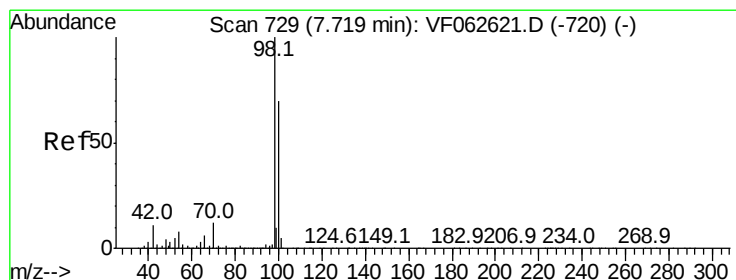
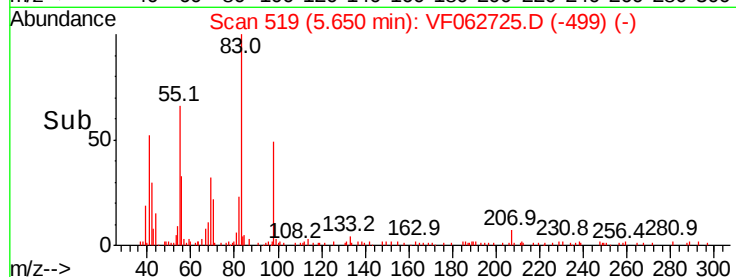
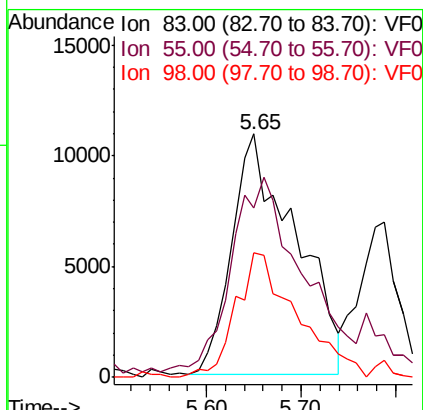
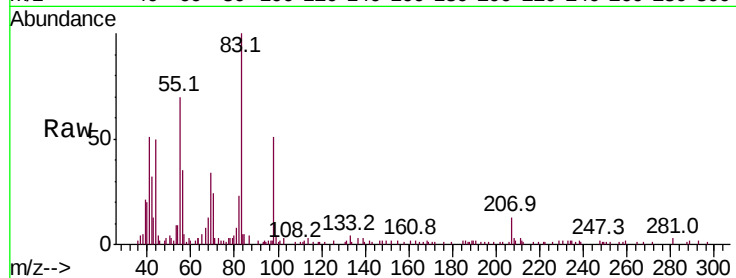




#39
Methylcyclohexane
Concen: 2.718 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

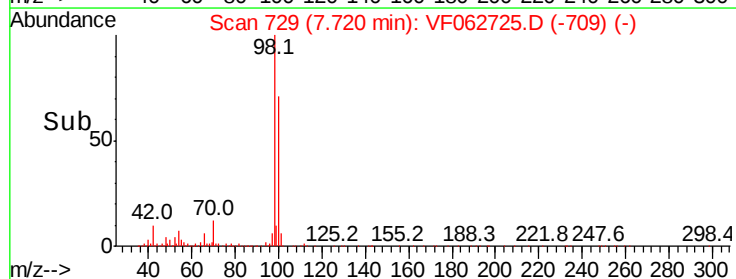
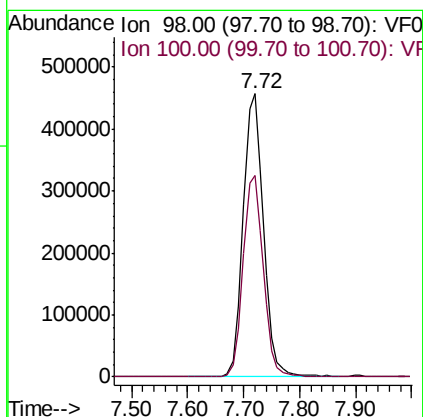
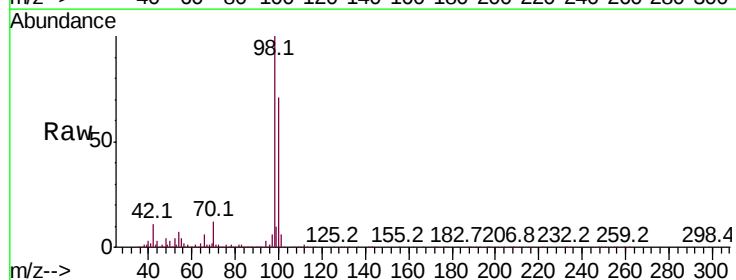
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

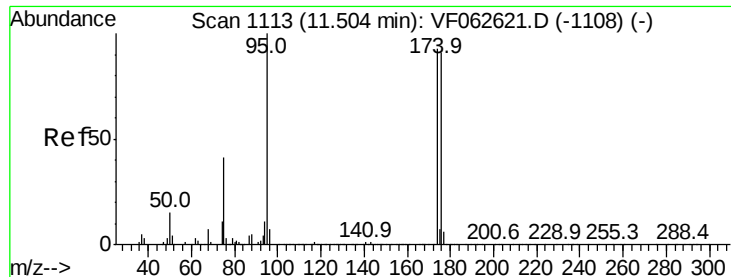
Tot Ion:	83	Resp:	50777
Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.9	86.9
98	51.3	34.6	52.0



#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





#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

Instrument :

MSVOA_F

ClientSampleId :

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

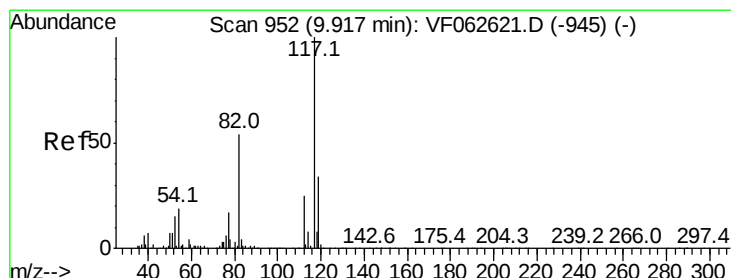
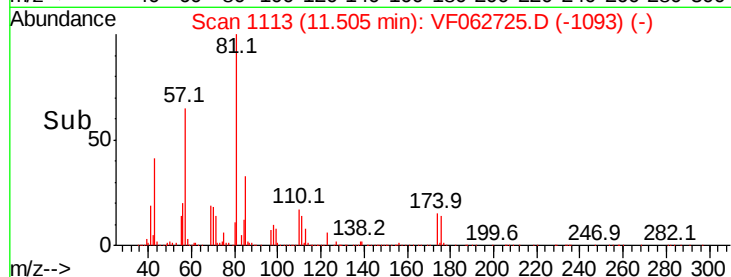
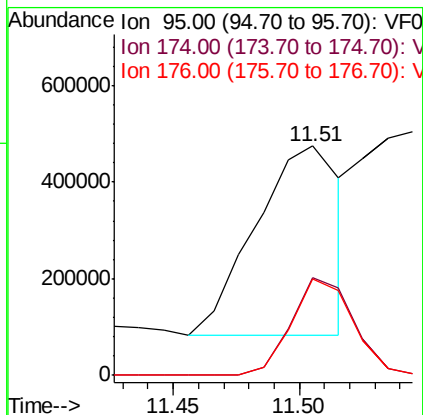
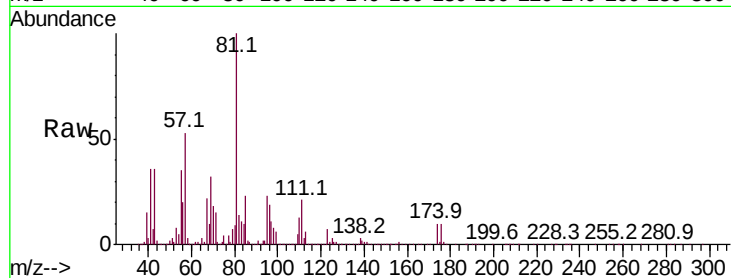
Tot Ion: 95 Resp: 916636

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

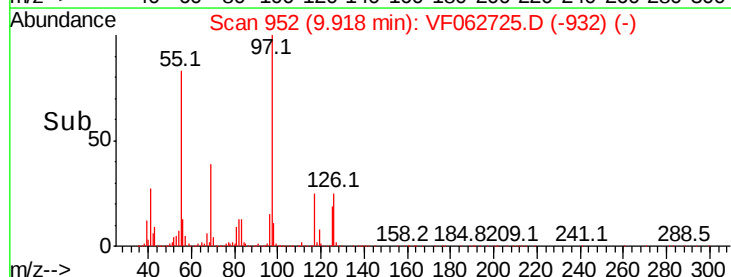
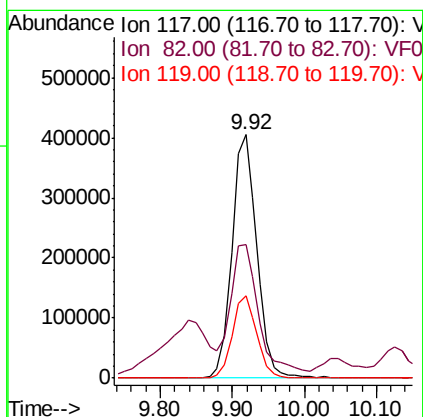
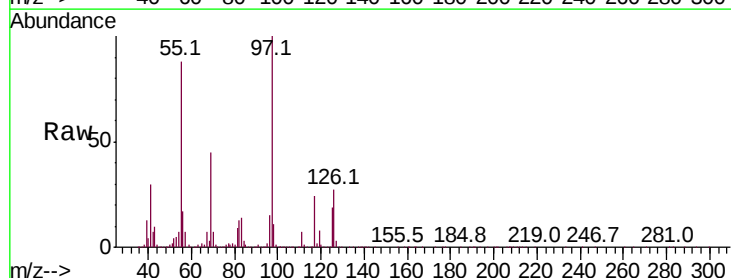
Tgt Ion: 117 Resp: 969955

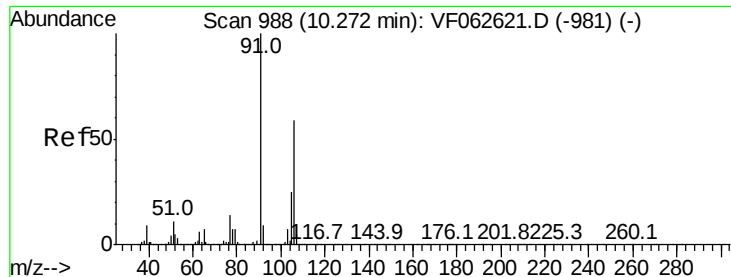
Ion Ratio Lower Upper

117 100

82 54.9 43.3 64.9

119 33.6 27.4 41.0

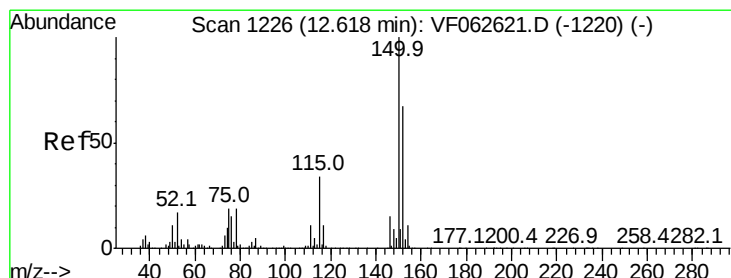
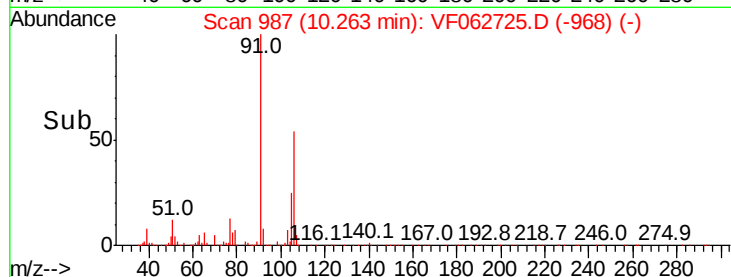
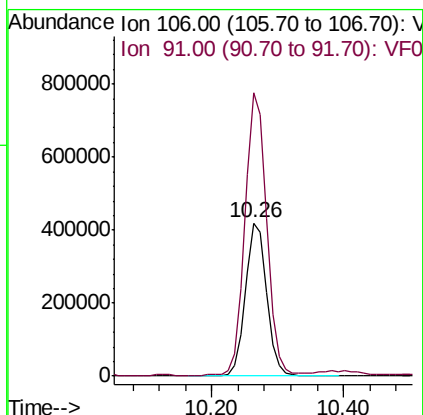
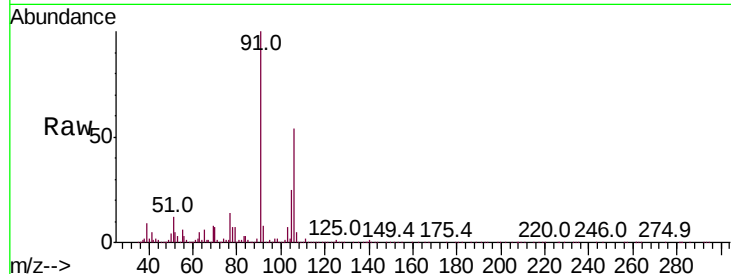




#68
m/p-Xvlenes
Concen: 76.753 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062725.D
Acq: 23 May 2019 14:29

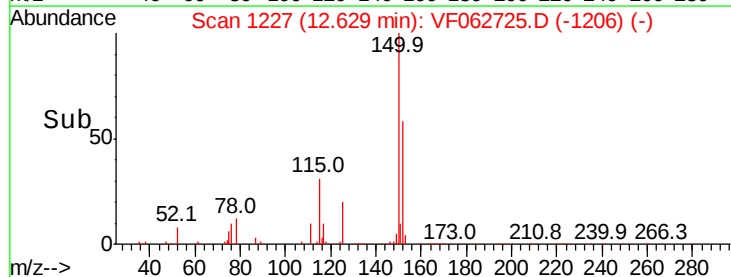
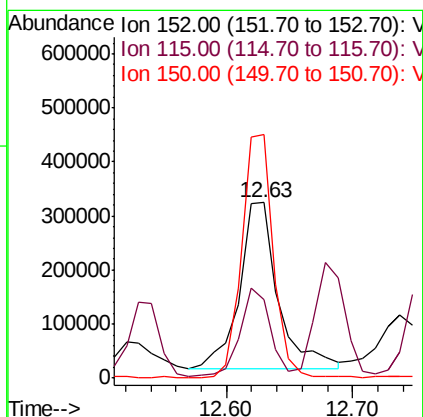
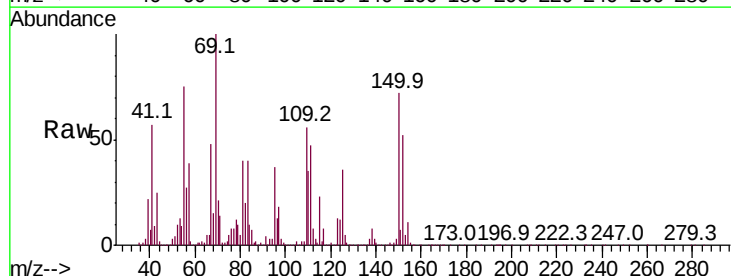
Instrument :
MSVOA_F
ClientSampleId :
EP1-SB-E3-4R(17-20)

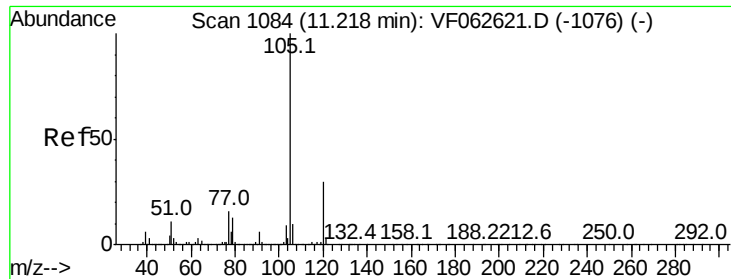
Tot Ion:106 Resp: 954709
Ion Ratio Lower Upper
106 100
91 184.7 136.9 205.3



#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 :

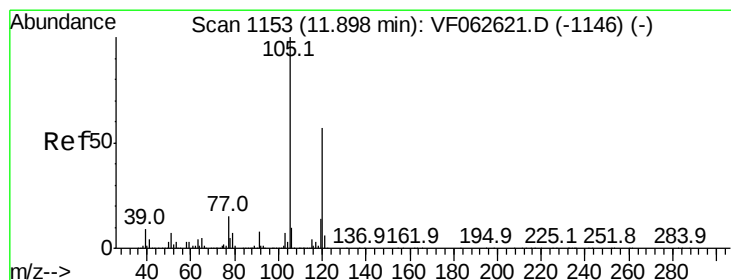
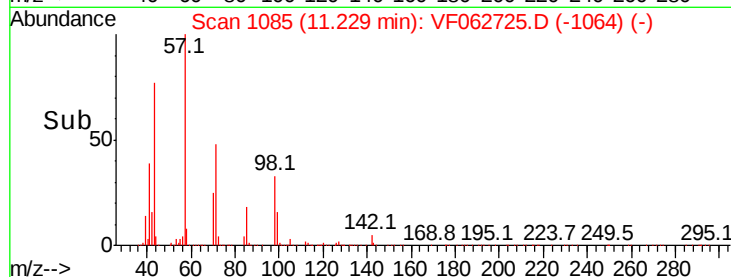
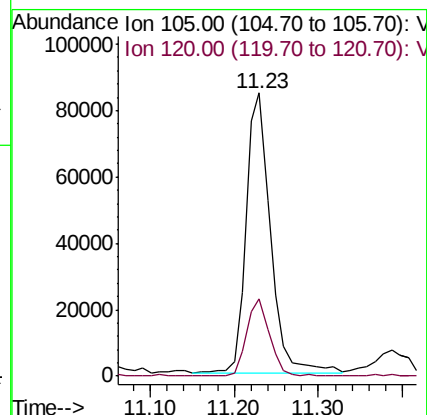
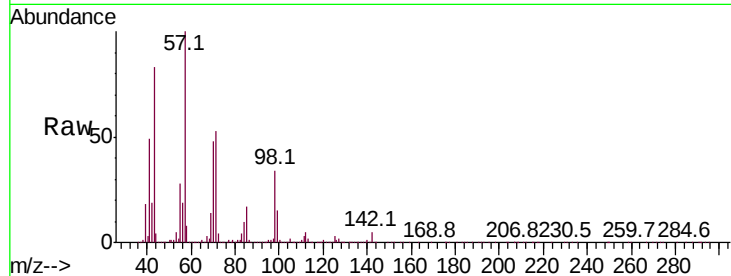
EP1-SB-E3-4R(17-20)

Tot Ion:105 Resp: 171716

Ion Ratio Lower Upper

105 100

120 27.4 14.8 44.4



#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

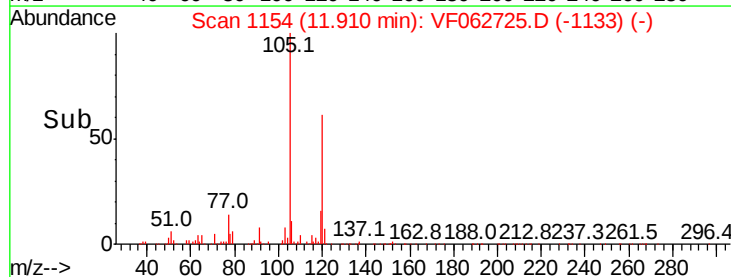
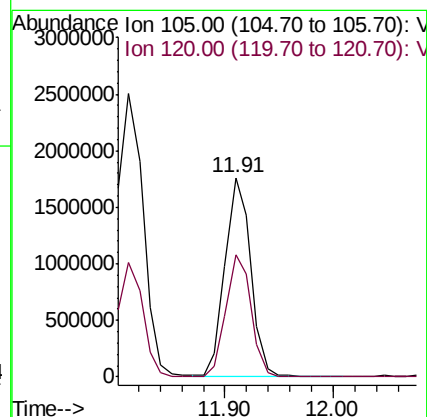
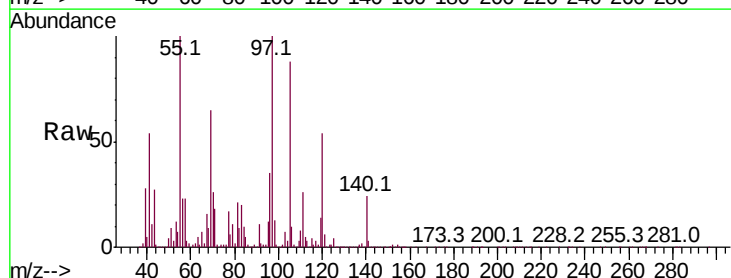
Acq: 23 May 2019 14:29

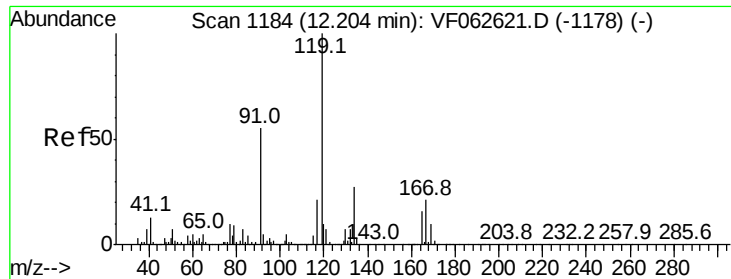
Tgt Ion:105 Resp: 2905855

Ion Ratio Lower Upper

105 100

120 61.6 28.7 86.3





#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

Instrument :

MSVOA_F

ClientSampleId :

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

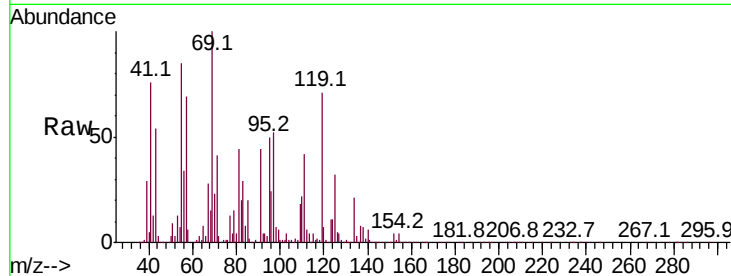
Tot Ion:119 Resp: 1085355

Ion Ratio Lower Upper

119 100

91 61.7 27.3 81.9

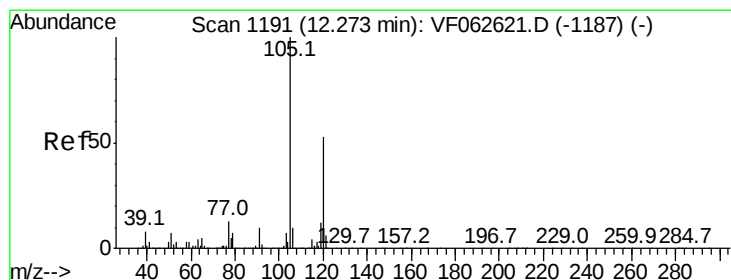
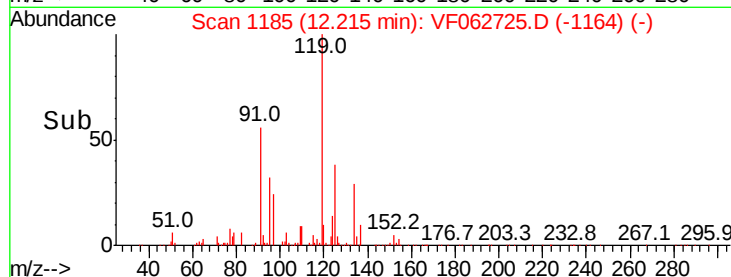
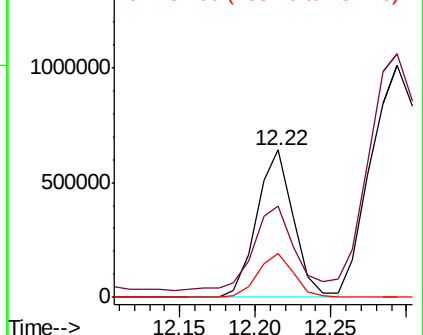
134 29.5 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#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

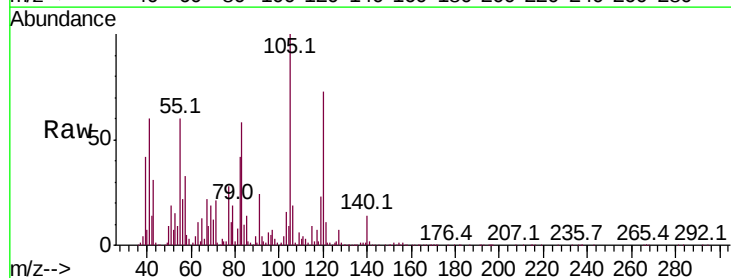
Acq: 23 May 2019 14:29

Tgt Ion:105 Resp:11826844

Ion Ratio Lower Upper

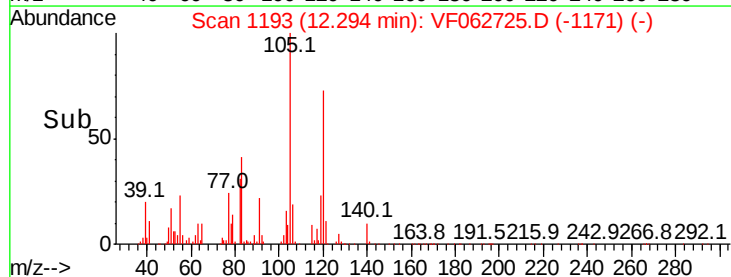
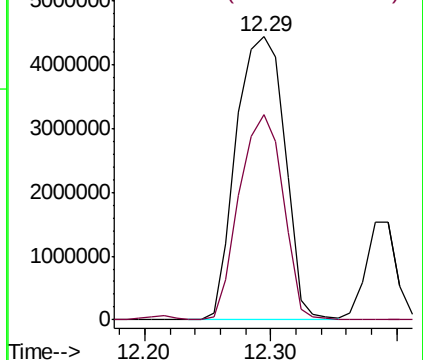
105 100

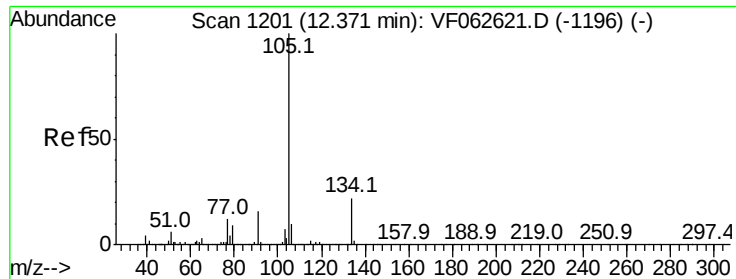
120 72.6 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

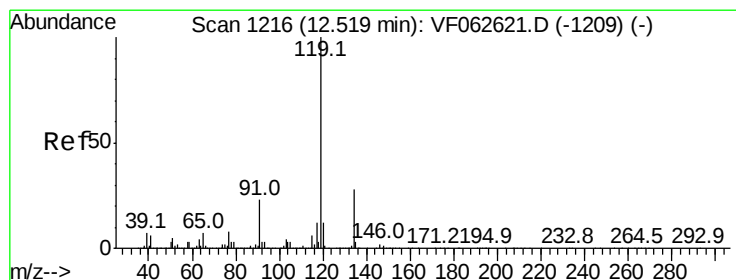
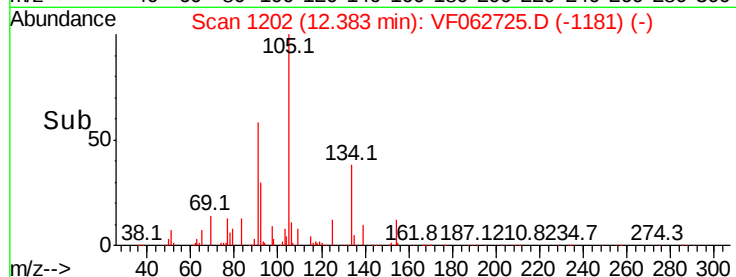
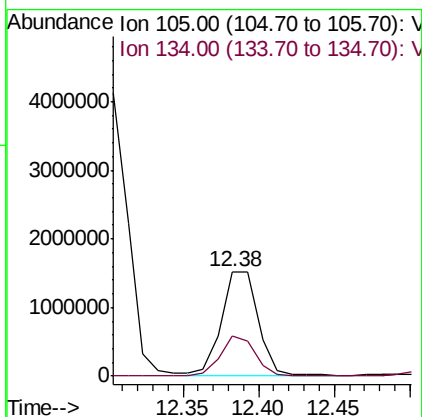
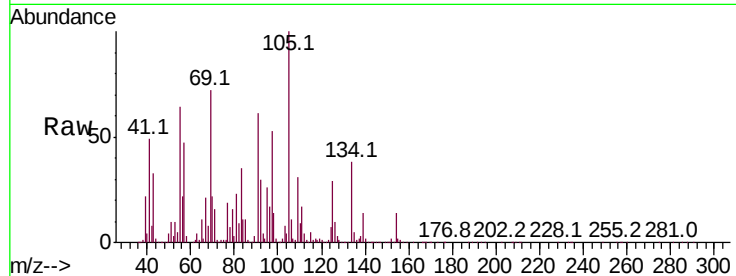




#85
 sec-Butylbenzene
 Concen: 49.672 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062725.D
 Acq: 23 May 2019 14:29

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

Tot 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

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

