

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062642.D
 Acq On : 17 May 2019 16:59
 Operator : FY/SY
 Sample : K2851-01
 Misc : 5.90g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:40:40 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	196370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	299320	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	83681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	10263	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	74404	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.24%		
35) Dibromofluoromethane	4.31	113	147929	64.59	ug/l	0.00
Spiked Amount 50.000			Recovery =	129.18%		
50) Toluene-d8	7.71	98	115518	21.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.24%		
62) 4-Bromofluorobenzene	11.50	95	15871	7.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	15.30%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.43	64	925	1.112	ug/l #	1
8) Diethyl Ether	1.70	74	1139	1.891	ug/l	78
11) Tert butyl alcohol	2.69	59	513	5.600	ug/l #	1
13) Acrolein	1.95	56	982	10.269	ug/l	89
14) Allyl chloride	2.19	41	1792	1.122	ug/l #	82
15) Acrylonitrile	3.10	53	3000	11.609	ug/l #	62
16) Acetone	2.35	43	19077	52.992	ug/l #	81
17) Carbon Disulfide	1.93	76	37970	7.262	ug/l #	89
18) Methyl Acetate	2.62	43	949	1.678	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	4524	1.435	ug/l #	14
20) Methylene Chloride	2.35	84	5415	3.001	ug/l #	65
24) 1,1-Dichloroethane	3.02	63	5959	2.063	ug/l #	47
29) Tetrahydrofuran	4.27	42	688	2.210	ug/l #	1
30) Chloroform	4.05	83	5380	1.341	ug/l	92
39) Methylcyclohexane	5.63	83	4894	1.326	ug/l #	87
40) Benzene	4.84	78	44692	5.349	ug/l	98
41) Methacrylonitrile	4.96	41	1680	2.559	ug/l #	10
43) Isopropyl Acetate	7.11	43	1712	1.055	ug/l #	73
48) Methyl methacrylate	6.91	41	2976	3.509	ug/l #	51
49) 1,4-Dioxane	6.88	88	95	8.747	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	5268	4.750	ug/l	87
52) Toluene	7.78	92	17756	4.052	ug/l	99
56) Ethyl methacrylate	8.78	69	2372	1.535	ug/l #	81
58) 2-Chloroethyl Vinyl ether	7.45	63	1025	2.037	ug/l #	51
59) 2-Hexanone	9.63	43	6341	Below Cal	#	61
64) Tetrachloroethene	8.32	164	1455	2.195	ug/l #	79
68) m/p-Xylenes	10.27	106	3657	3.408	ug/l	90
69) o-Xylene	10.82	106	2700	2.443	ug/l	73
70) Styrene	10.90	104	3412	2.031	ug/l #	67
74) N-amyl acetate	11.44	43	4416	20.401	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	11.76	83	1283	8.535	ug/l #	69
76) 1,2,3-Trichloropropane	11.88	75	407	4.121	ug/l #	1
77) Bromobenzene	11.58	156	1384	7.570	ug/l	72
78) n-propylbenzene	11.68	91	7789	8.948	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

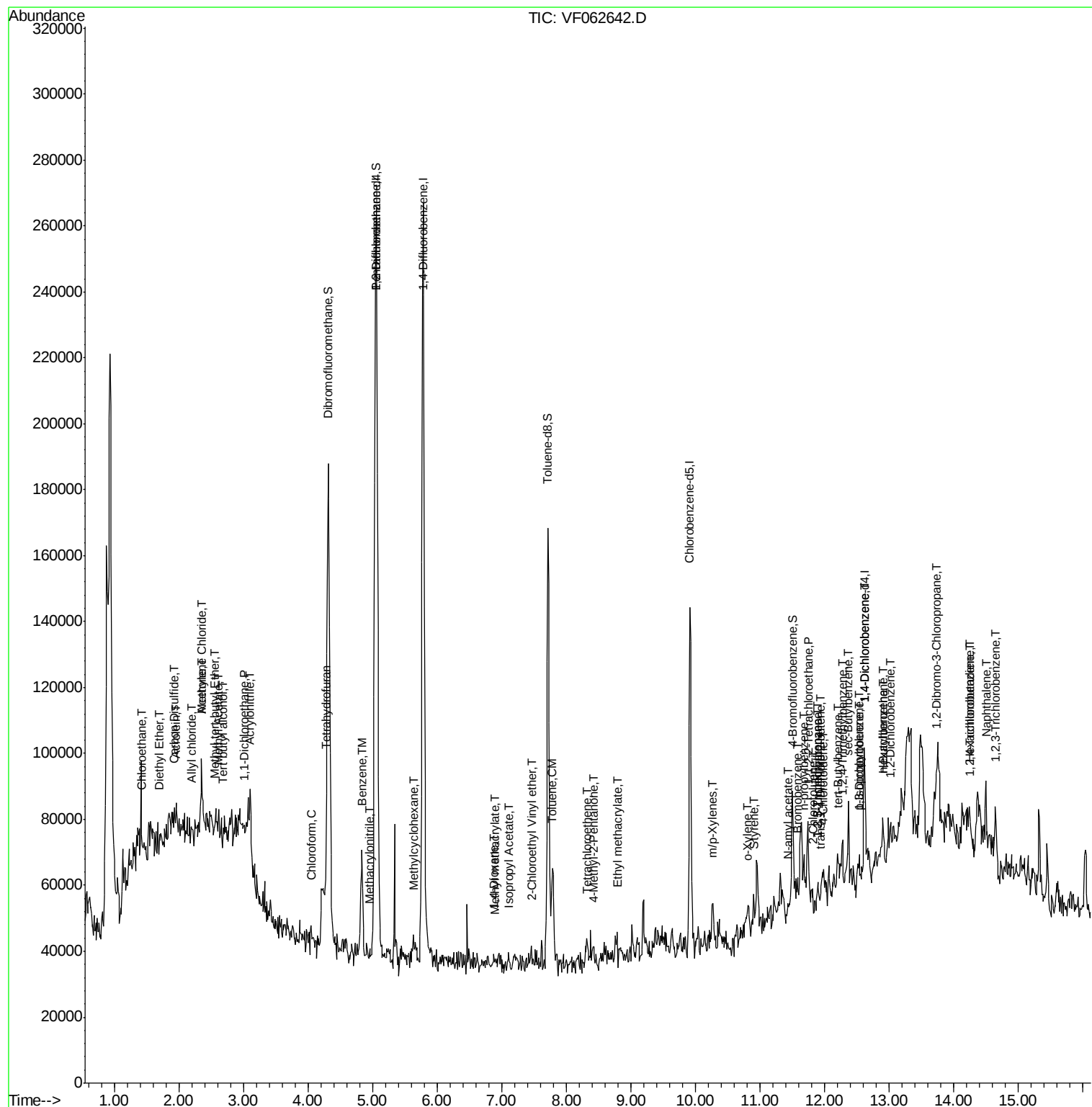
79) 2-Chlorotoluene	11.80	91	2446	4.986	ug/l	72
80) 1,3,5-Trimethylbenzene	11.89	105	3187	5.403	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.92	75	605	13.780	ug/l #	50
82) 4-Chlorotoluene	11.97	91	4159	8.597	ug/l #	62
83) tert-Butylbenzene	12.21	119	2739	4.577	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	4853	8.501	ug/l	77
85) sec-Butylbenzene	12.38	105	5619	6.997	ug/l	96
86) p-Isopropyltoluene	12.52	119	7310	10.801	ug/l #	81
87) 1,3-Dichlorobenzene	12.53	146	944	2.854	ug/l #	59
88) 1,4-Dichlorobenzene	12.62	146	2139	6.891	ug/l #	60
89) n-Butylbenzene	12.90	91	5584	8.368	ug/l	80
90) Hexachloroethane	12.91	117	1422	8.759	ug/l #	20
91) 1,2-Dichlorobenzene	13.01	146	1376	4.667	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.72	75	779	43.440	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.26	180	951	4.506	ug/l #	32
94) Hexachlorobutadiene	14.24	225	701	4.759	ug/l	81
95) Naphthalene	14.50	128	12642	32.970	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.64	180	1735	8.678	ug/l #	56

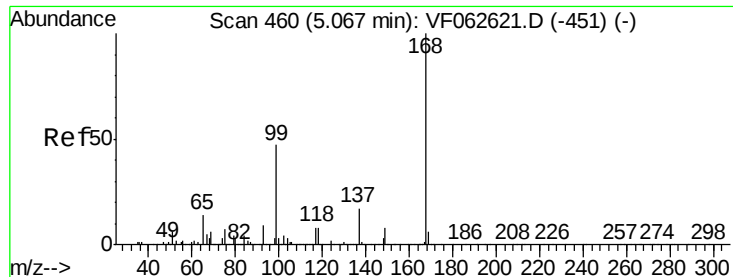
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

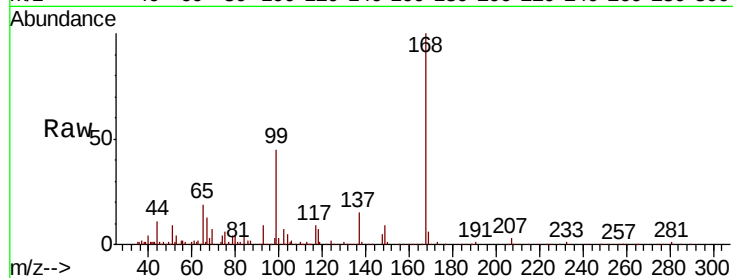
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 196370

Ion Ratio Lower Upper

168 100

99 44.7 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

60000

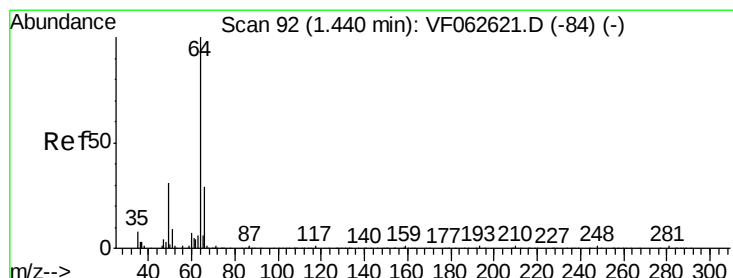
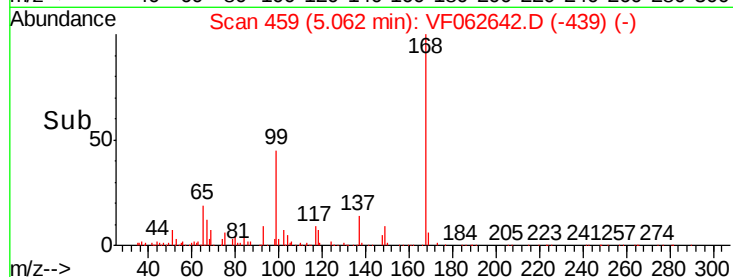
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#6

Chloroethane

Concen: 1.112 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF062642.D

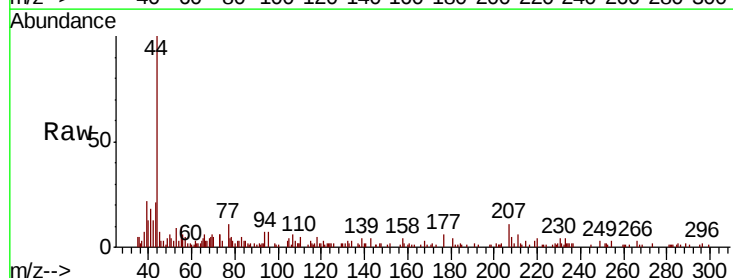
Acq: 17 May 2019 16:59

Tgt Ion: 64 Resp: 925

Ion Ratio Lower Upper

64 100

66 208.7 23.4 35.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1200

1000

800

600

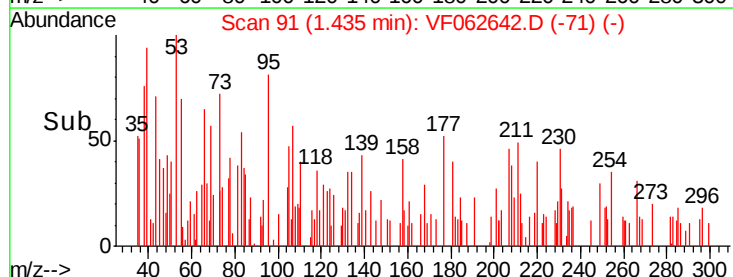
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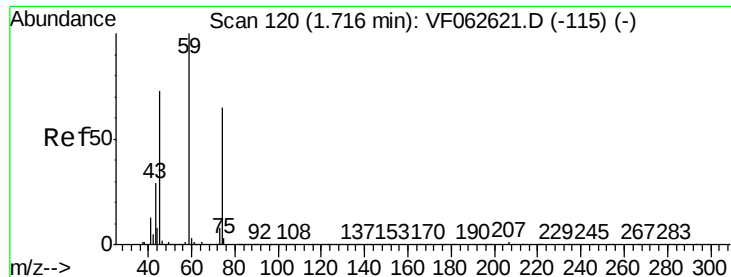
200

0

Time-->

1.38 1.40 1.42 1.44 1.46





#8

Diethyl Ether

Concen: 1.891 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

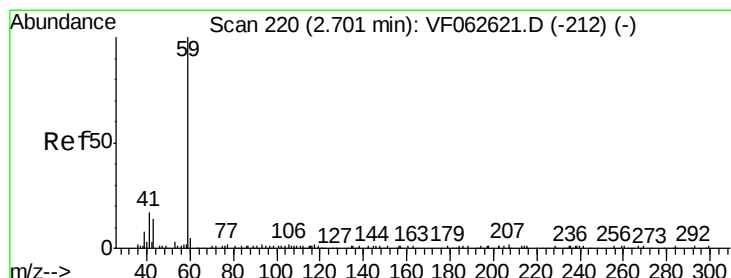
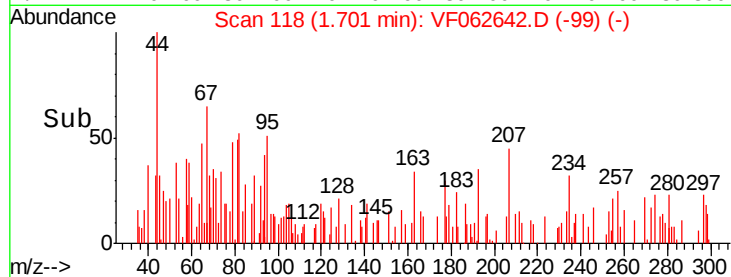
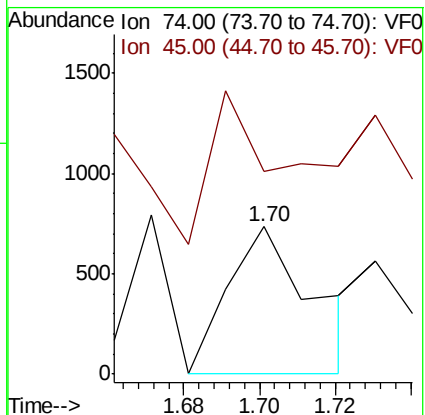
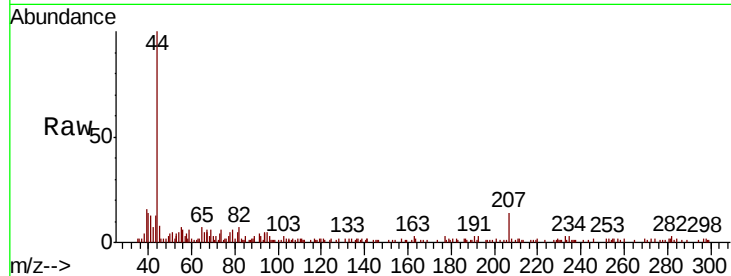
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 74 Resp: 1139

Ion Ratio Lower Upper

74 100

45 137.7 57.0 170.8



#11

Tert butyl alcohol

Concen: 5.600 ug/l

RT: 2.69 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF062642.D

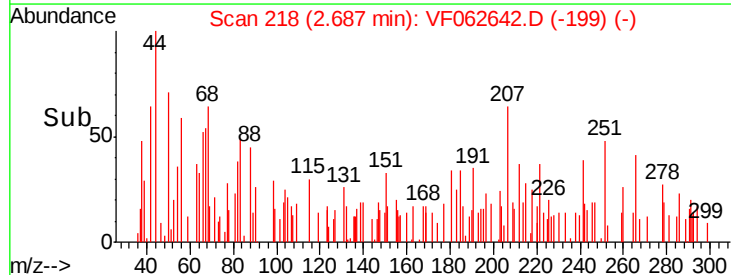
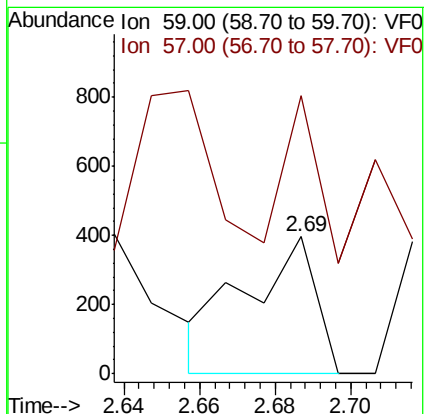
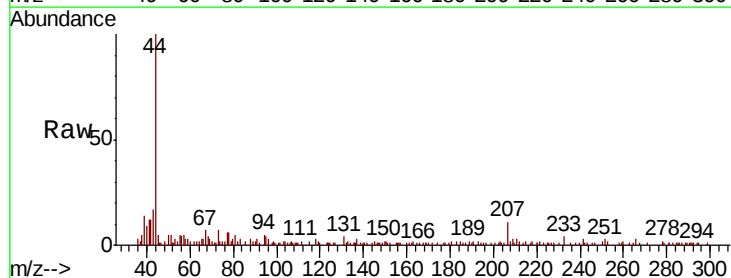
Acq: 17 May 2019 16:59

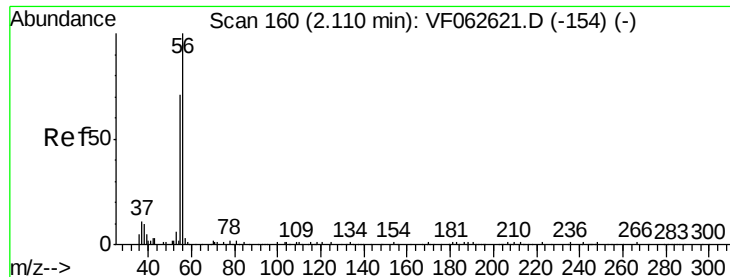
Tgt Ion: 59 Resp: 513

Ion Ratio Lower Upper

59 100

57 203.0 9.3 13.9#





#13

Acrolein

Concen: 10.269 ug/l

RT: 1.95 min Scan# 143

Delta R.T. -0.16 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

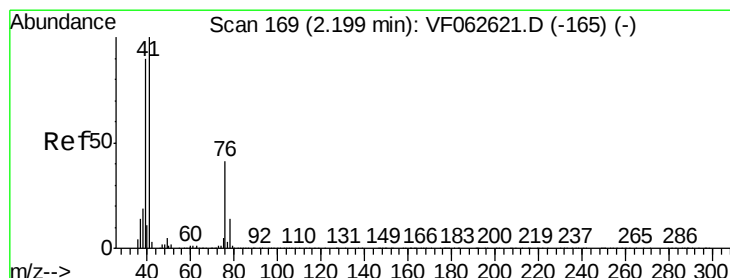
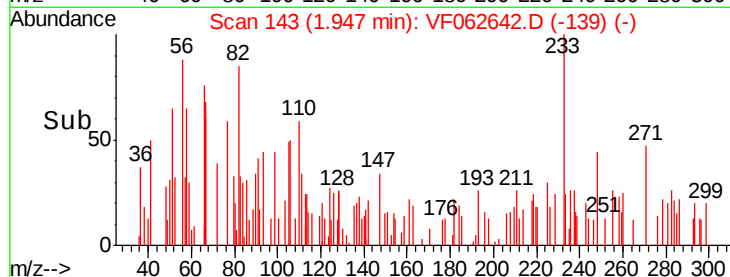
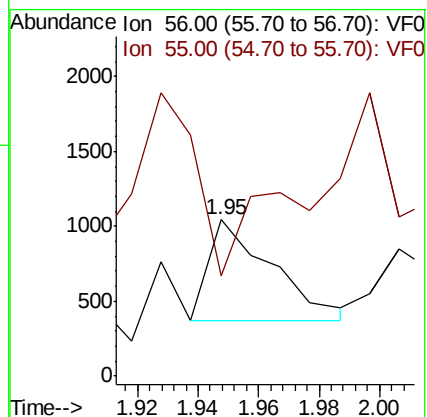
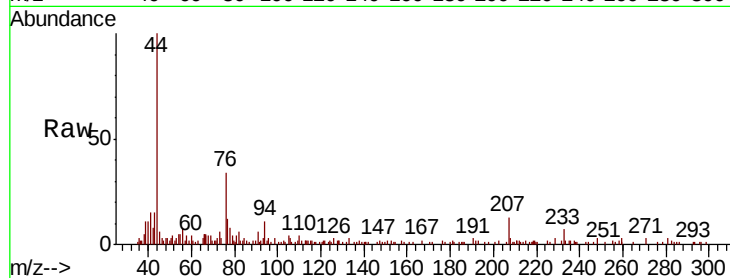
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 982

Ion Ratio Lower Upper

56 100

55 64.6 59.4 89.0



#14

Allyl chloride

Concen: 1.122 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

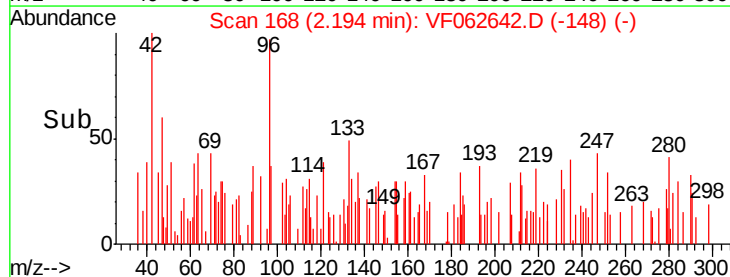
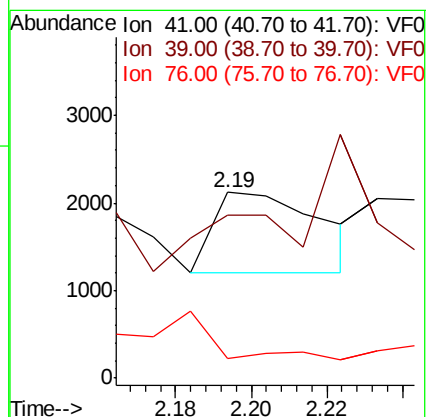
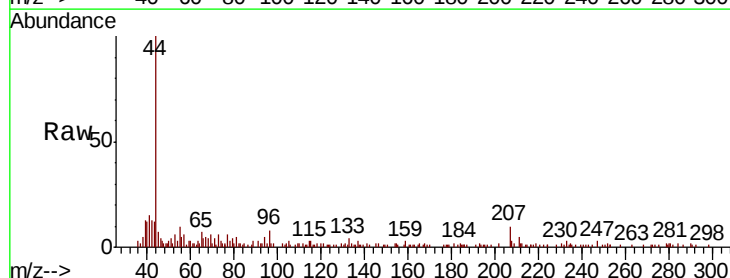
Tgt Ion: 41 Resp: 1792

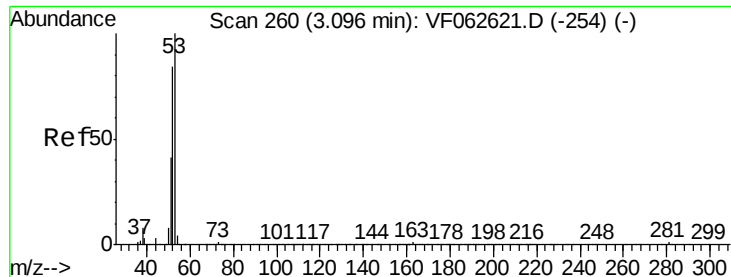
Ion Ratio Lower Upper

41 100

39 87.9 72.0 108.0

76 10.4 34.8 52.2#





#15

Acrylonitrile

Concen: 11.609 ug/l

RT: 3.10 min Scan# 260

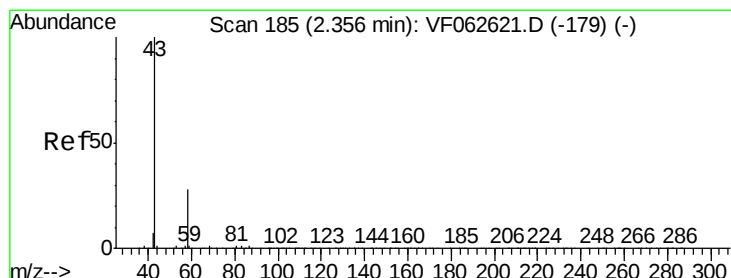
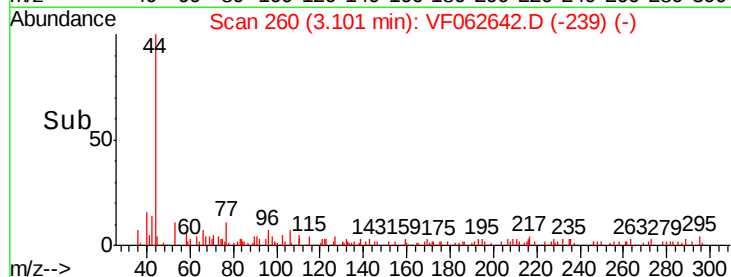
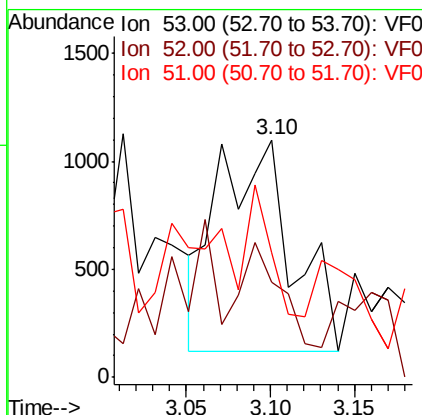
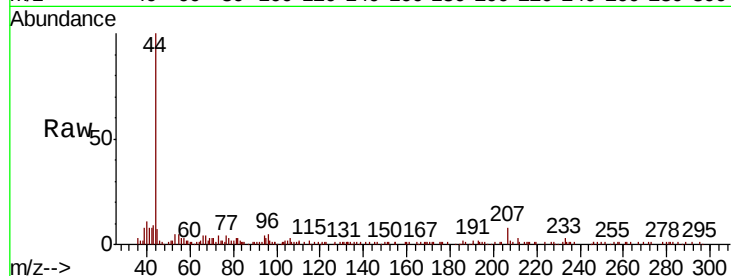
Delta R.T. 0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	3000
Ion	Ratio	Lower	Upper
53	100		
52	40.3	67.3	100.9#
51	52.3	33.0	49.6#



#16

Acetone

Concen: 52.992 ug/l

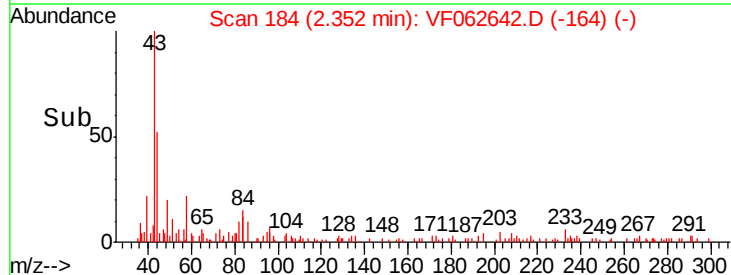
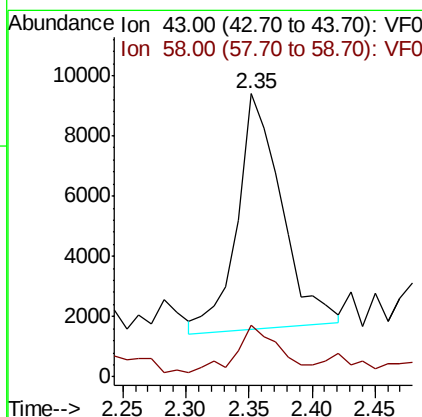
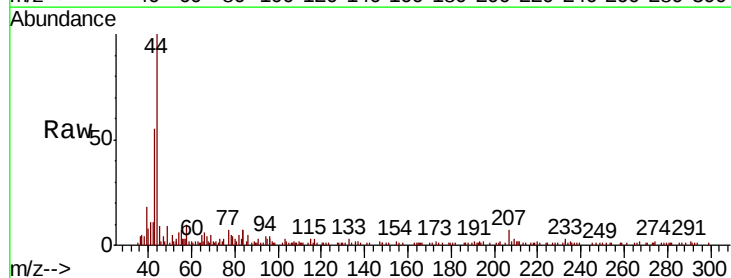
RT: 2.35 min Scan# 184

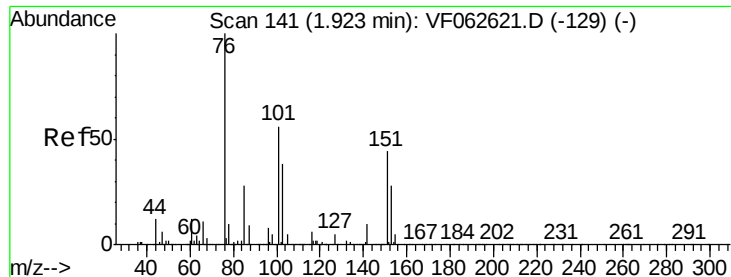
Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Tgt Ion:	43	Resp:	19077
Ion	Ratio	Lower	Upper
43	100		
58	18.2	22.6	33.8#

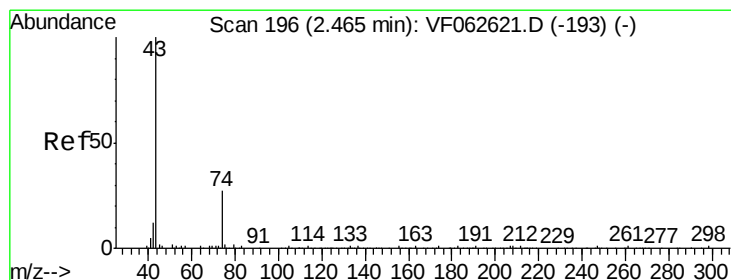
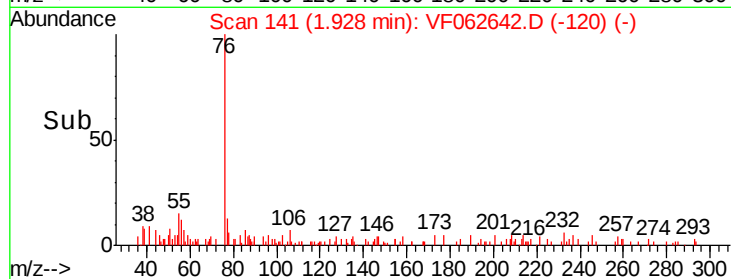
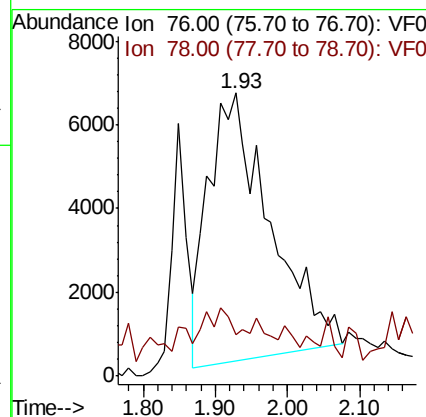
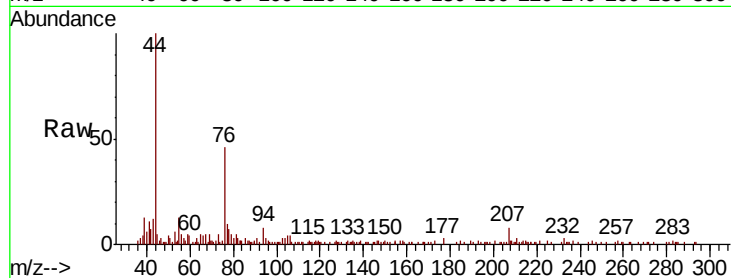




#17
Carbon Disulfide
Concen: 7.262 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

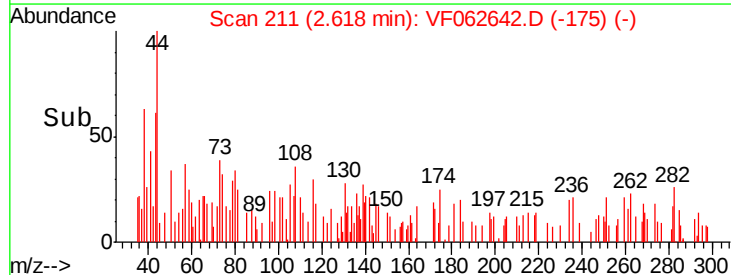
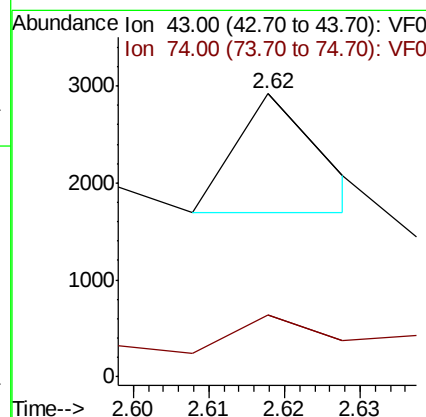
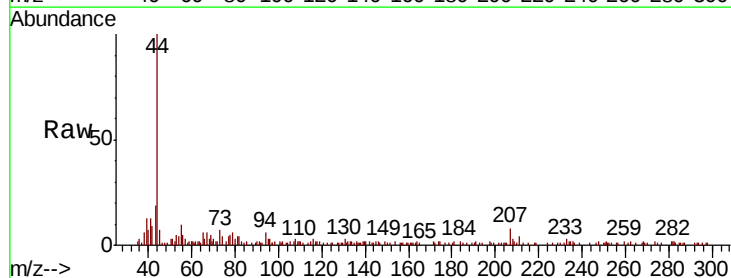
Instrument :
MSVOA_F
ClientSampleId :

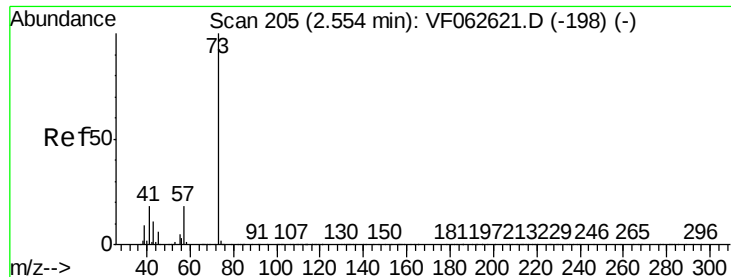
Tot Ion: 76 Resp: 37970
Ion Ratio Lower Upper
76 100
78 14.7 8.4 12.6#



#18
Methyl Acetate
Concen: 1.678 ug/l
RT: 2.62 min Scan# 211
Delta R.T. 0.15 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
74 21.8 18.9 28.3



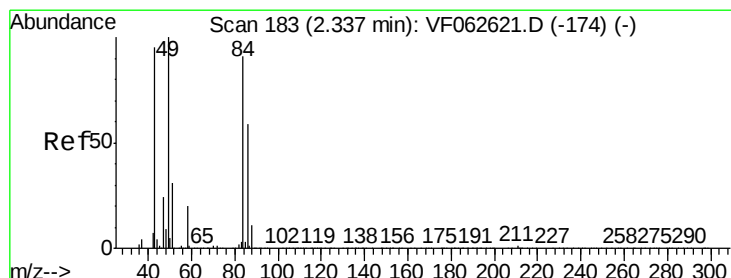
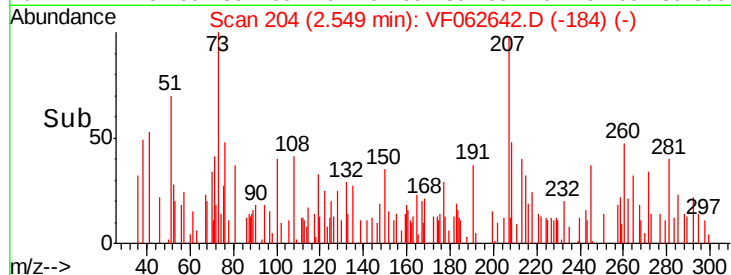
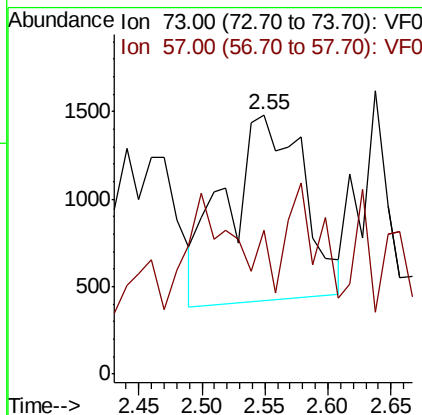
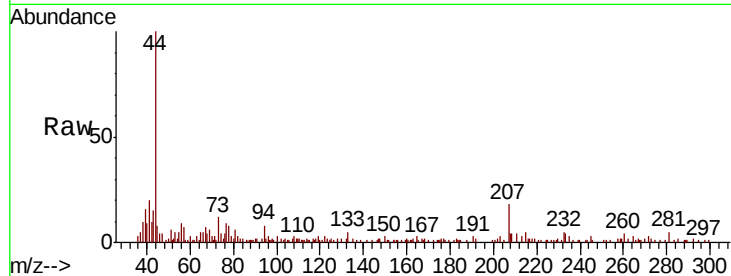


#19

Methyl tert-butyl Ether
 Concen: 1.435 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Instrument :
 MSVOA_F
 ClientSampled :

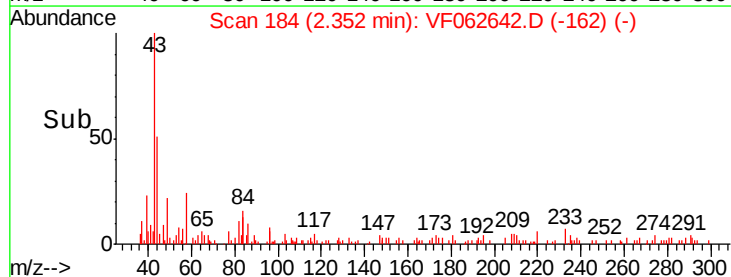
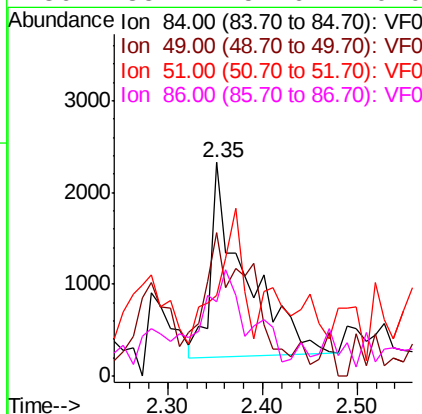
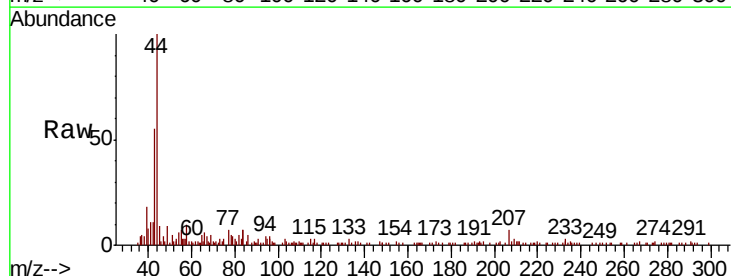
Tot Ion: 73 Resp: 4524
 Ion Ratio Lower Upper
 73 100
 57 55.7 14.2 21.4#

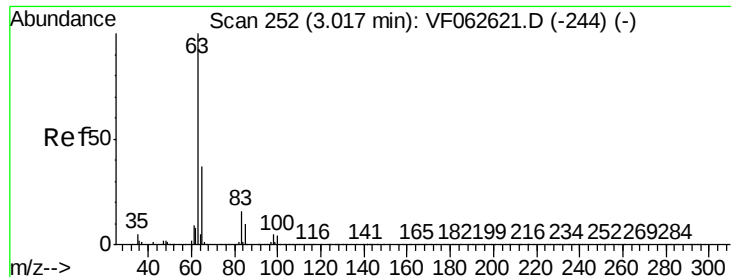


#20

Methylene Chloride
 Concen: 3.001 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Tgt Ion: 84 Resp: 5415
 Ion Ratio Lower Upper
 84 100
 49 67.0 89.8 134.8#
 51 37.8 28.4 42.6
 86 35.1 52.6 79.0#





#24

1,1-Dichloroethane

Concen: 2.063 ug/l

RT: 3.02 min Scan# 252

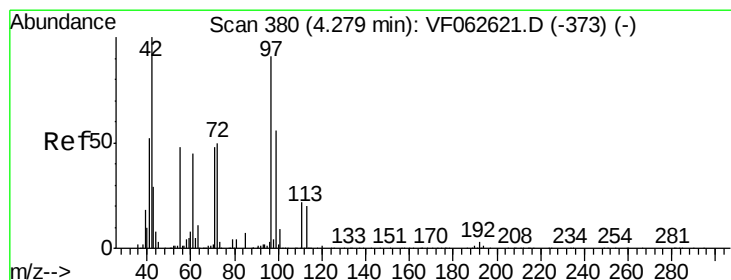
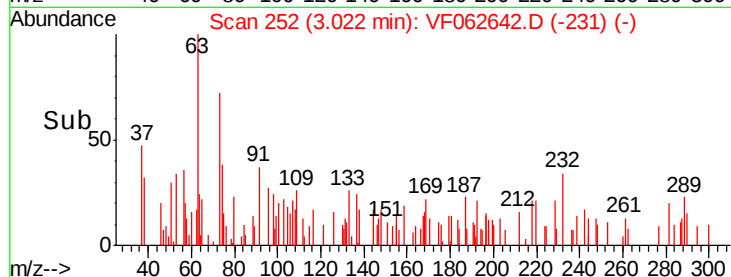
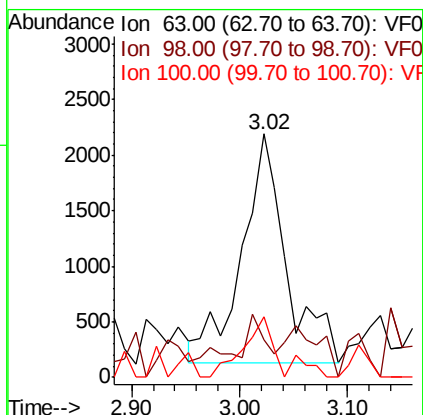
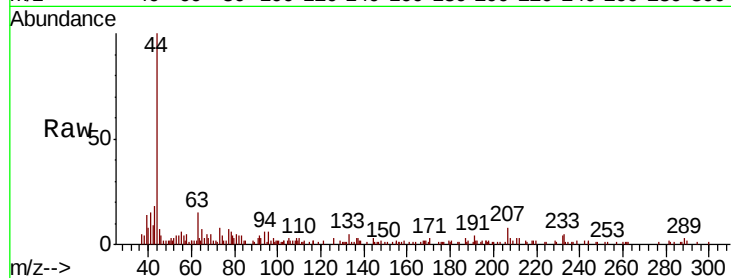
Delta R.T. 0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	63	Resp:	5959
Ion	Ratio	Lower	Upper
63	100		
98	20.8	2.8	8.3#
100	24.7	1.9	5.7#



#29

Tetrahydrofuran

Concen: 2.210 ug/l

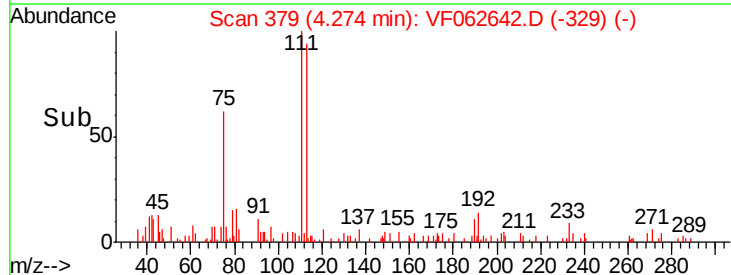
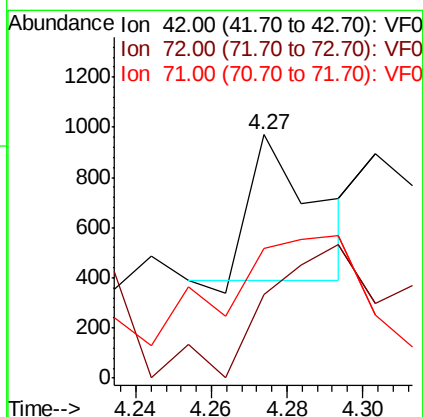
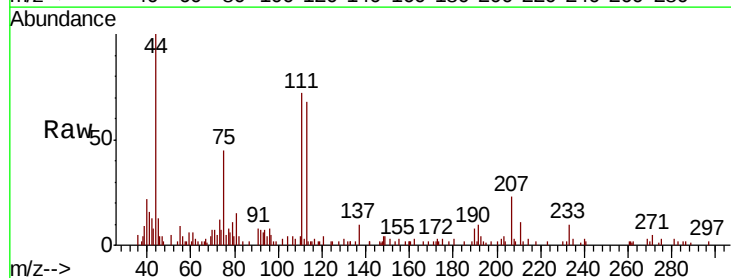
RT: 4.27 min Scan# 379

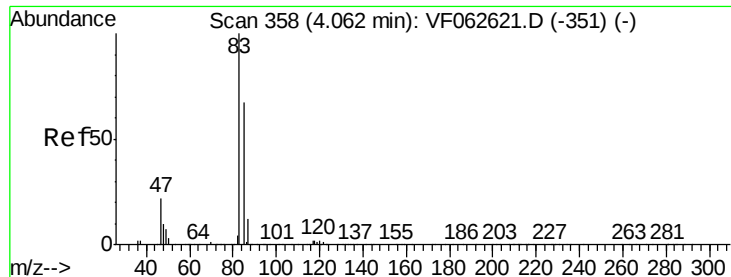
Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Tgt Ion:	42	Resp:	688
Ion	Ratio	Lower	Upper
42	100		
72	191.9	38.2	57.2#
71	157.6	35.8	53.6#

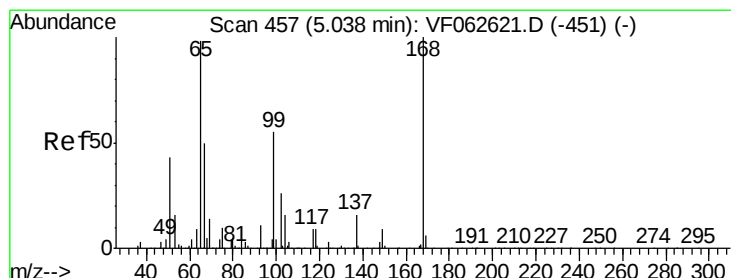
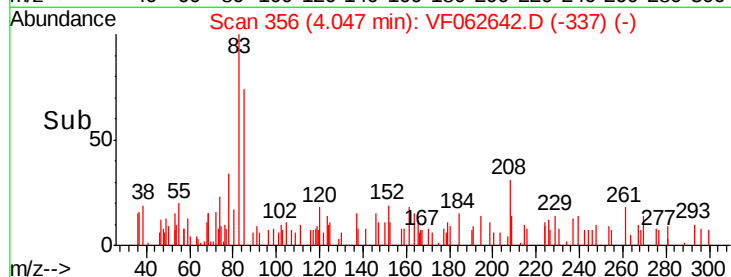
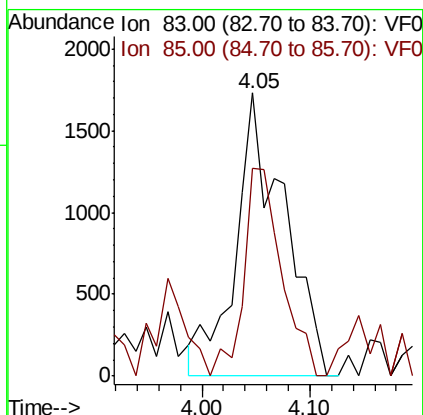
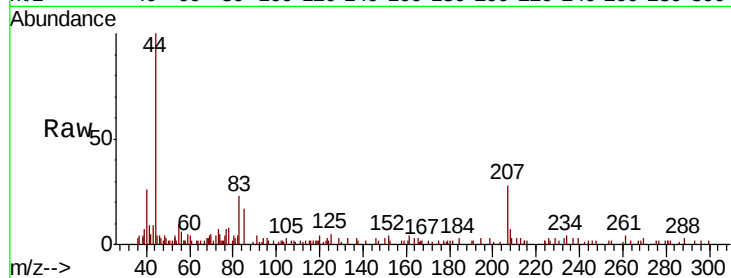




#30
Chloroform
Concen: 1.341 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

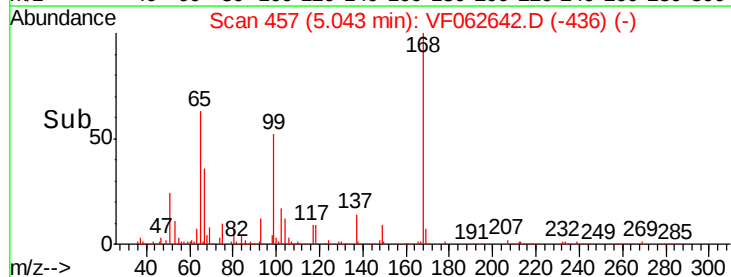
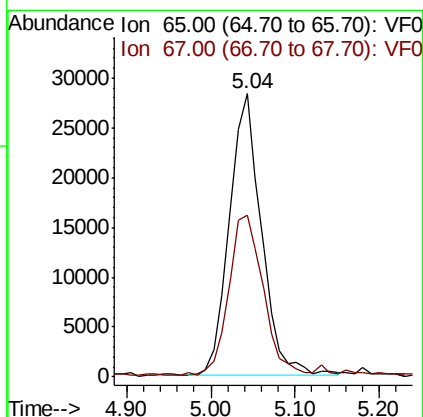
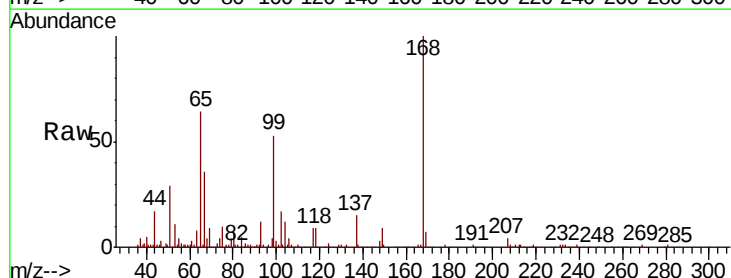
Instrument :
MSVOA_F
ClientSampleId :

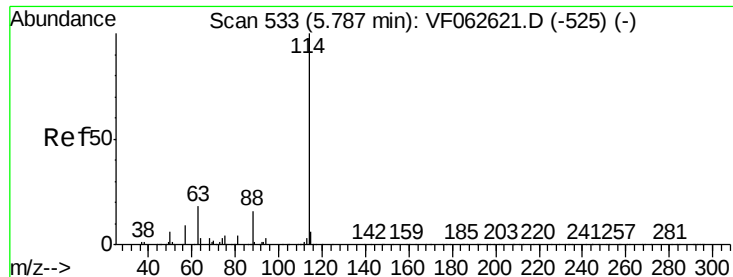
Tot Ion: 83 Resp: 5380
Ion Ratio Lower Upper
83 100
85 73.5 53.6 80.4



#33
1,2-Dichloroethane-d4
Concen: 53.619 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion: 65 Resp: 74404
Ion Ratio Lower Upper
65 100
67 57.3 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampled :

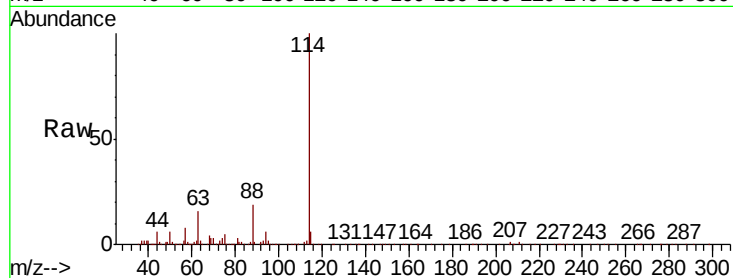
Tot Ion:114 Resp: 299320

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.4

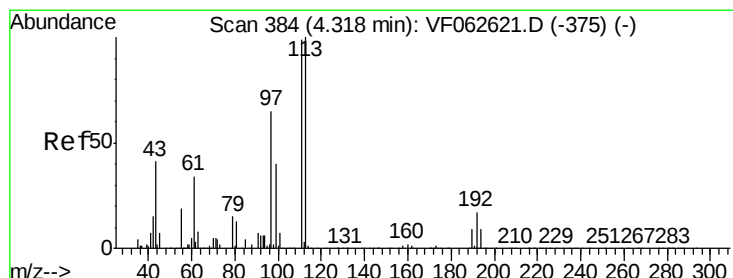
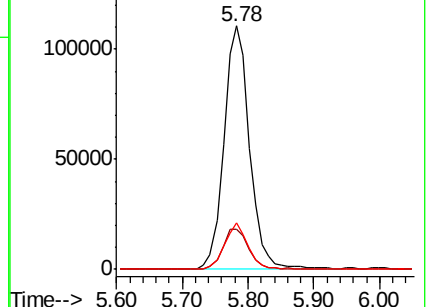
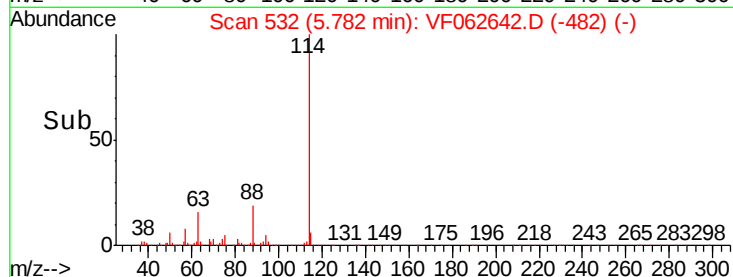
88 19.1 0.0 32.4



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: 64.586 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

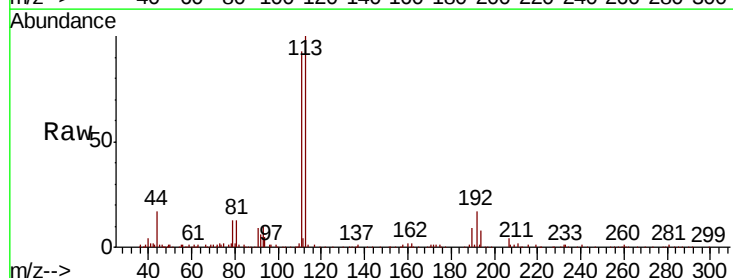
Tgt Ion:113 Resp: 147929

Ion Ratio Lower Upper

113 100

111 96.7 79.4 119.2

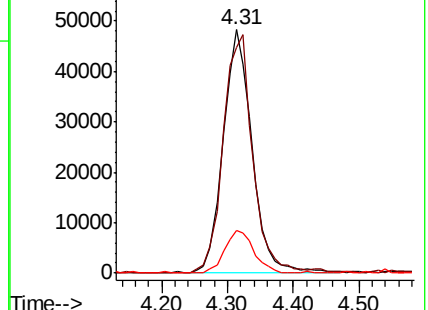
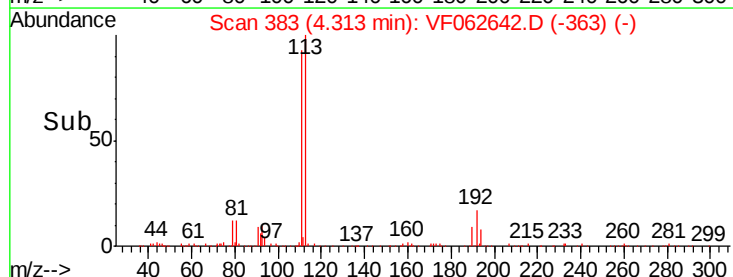
192 17.3 13.4 20.2

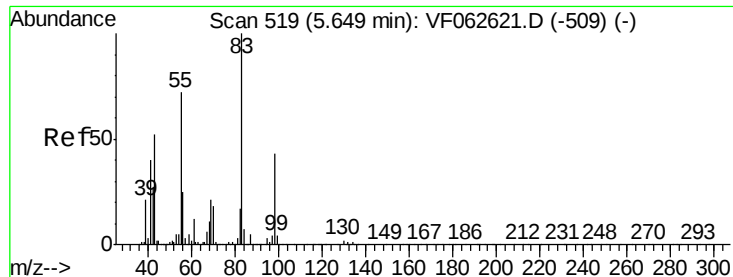


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

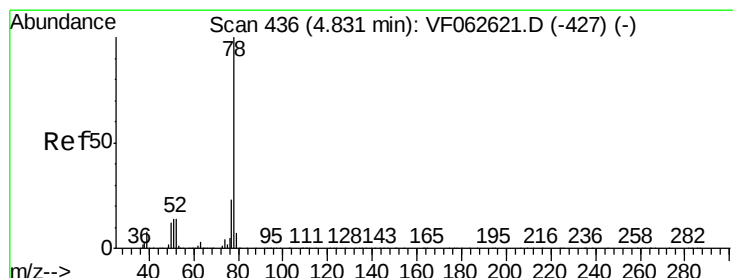
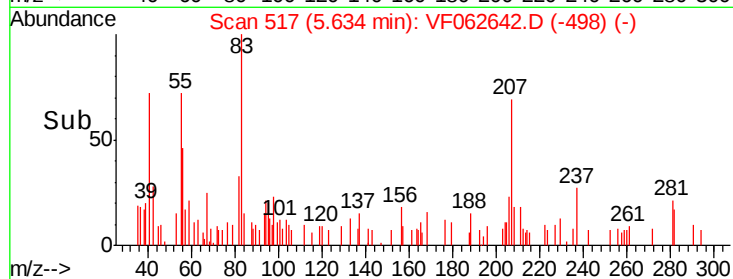
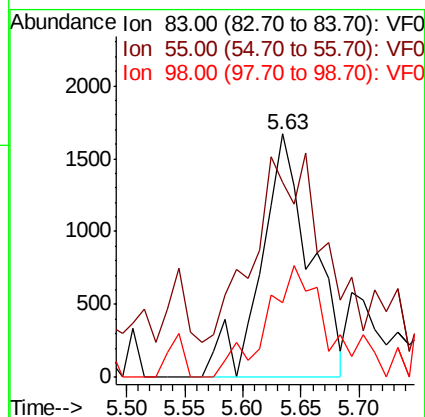
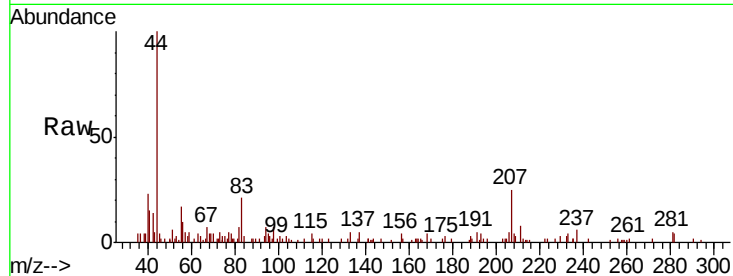




#39
Methvlcvclohexane
Concen: 1.326 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

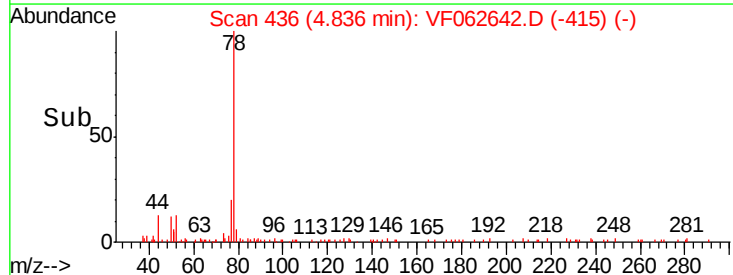
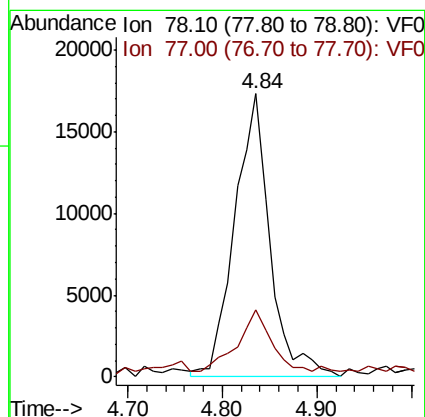
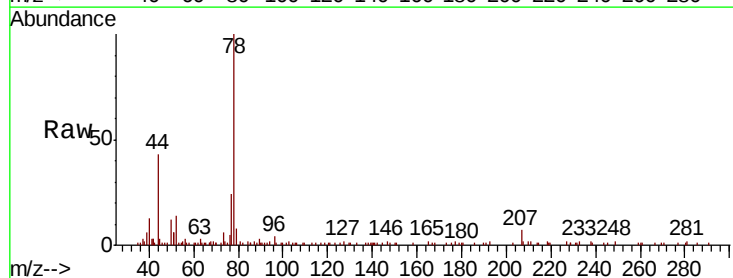
Instrument :
MSVOA_F
ClientSampleId :

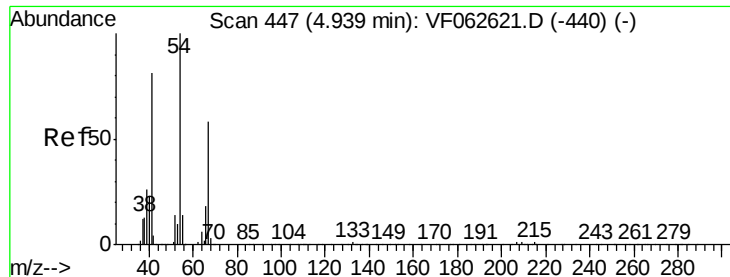
Tot Ion: 83 Resp: 4894
Ion Ratio Lower Upper
83 100
55 80.3 57.9 86.9
98 30.6 34.6 52.0#



#40
Benzene
Concen: 5.349 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion: 78 Resp: 44692
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2

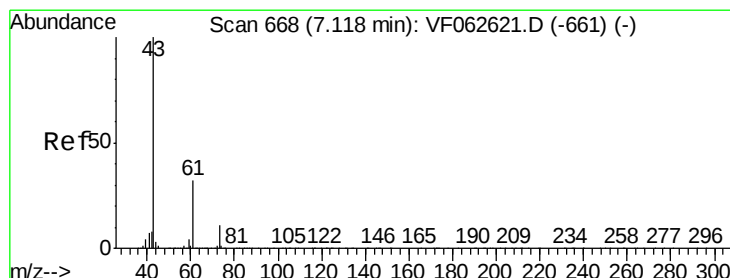
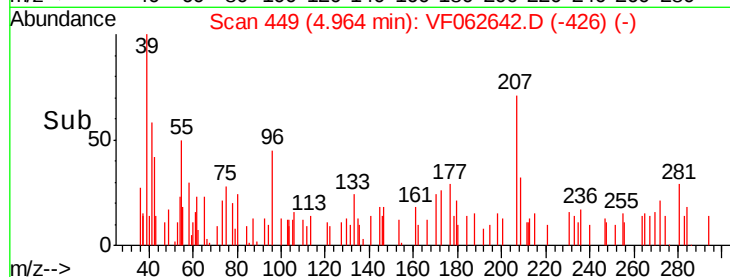
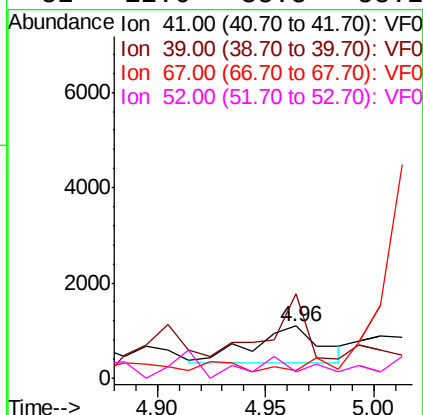
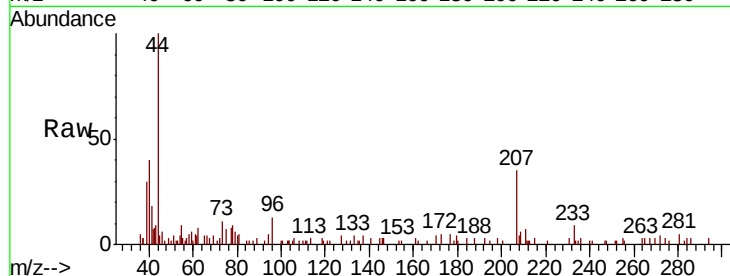




#41
Methacrylonitrile
Concen: 2.559 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.02 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

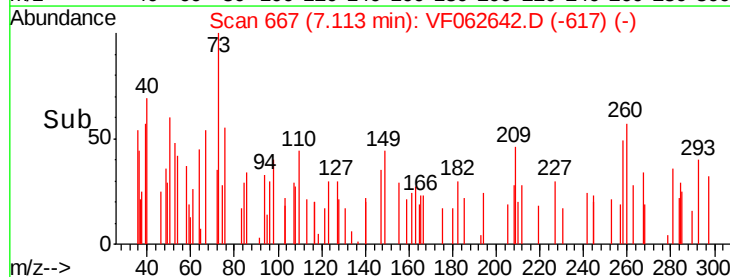
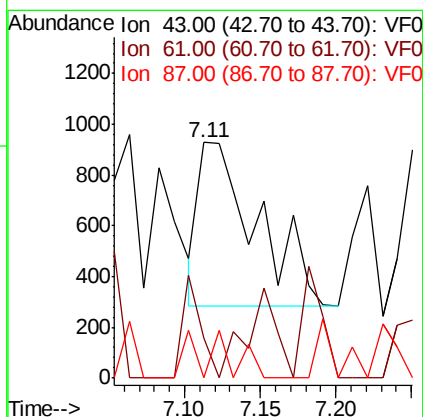
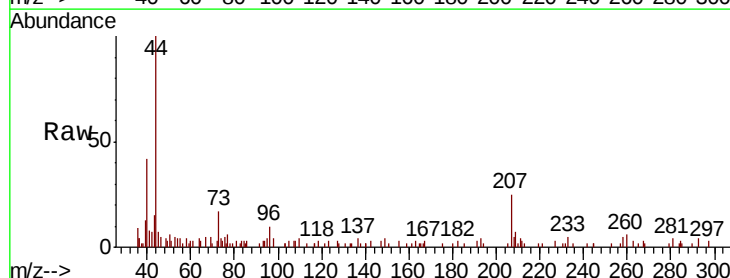
Instrument :
MSVOA_F
ClientSampleId :

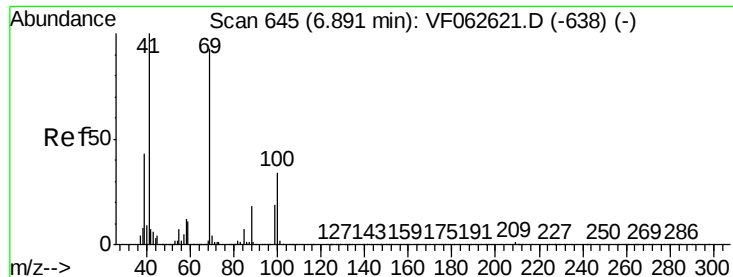
Tot Ion:	41	Resp:	1680
Ion	Ratio	Lower	Upper
41	100		
39	161.0	42.2	63.2#
67	15.0	56.4	84.6#
52	12.6	38.8	58.2#



#43
Isopropyl Acetate
Concen: 1.055 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion:	43	Resp:	1712
Ion	Ratio	Lower	Upper
43	100		
61	17.0	25.8	38.8#
87	0.0	0.4	0.6#

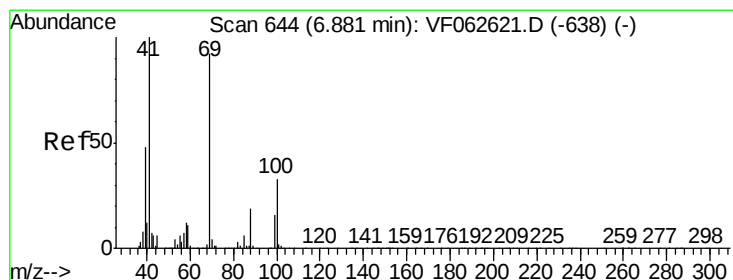
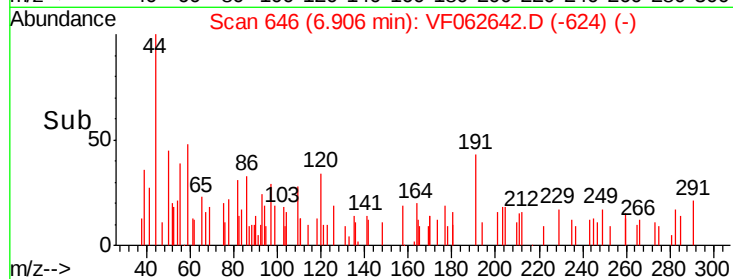
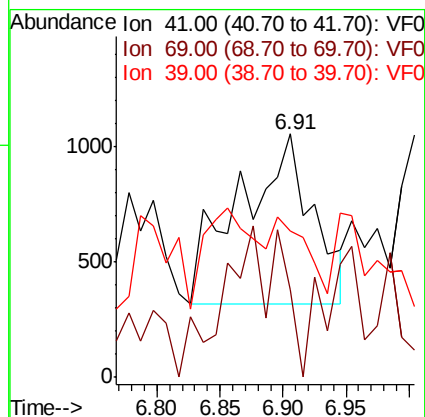
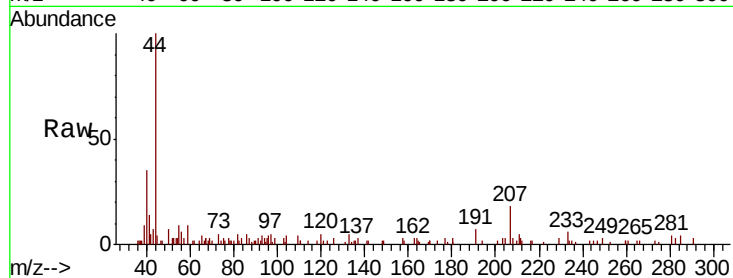




#48
Methvl methacrvlate
Concen: 3.509 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

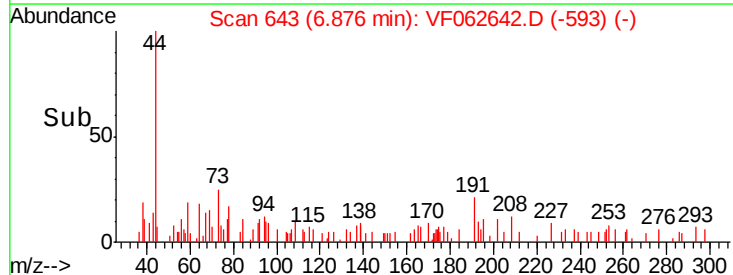
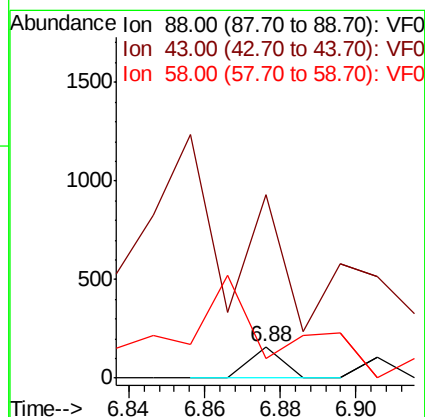
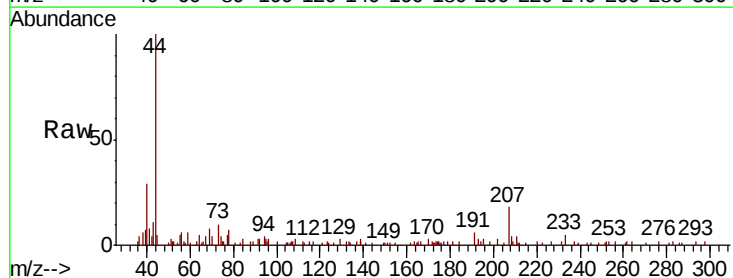
Instrument :
MSVOA_F
ClientSampleId :

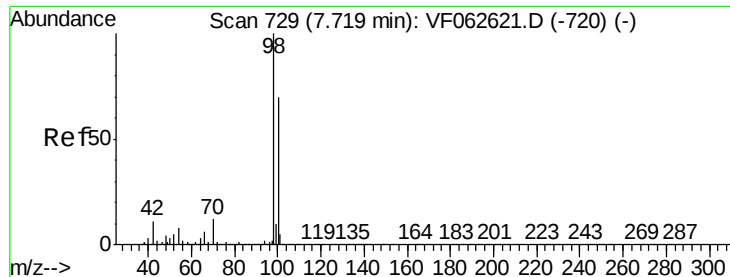
Tot Ion: 41 Resp: 2976
Ion Ratio Lower Upper
41 100
69 35.7 74.2 111.2#
39 60.0 34.2 51.4#



#49
1,4-Dioxane
Concen: 8.747 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 583.1 30.0 45.0#
58 62.5 51.1 76.7





#50

Toluene-d8

Concen: 21.124 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

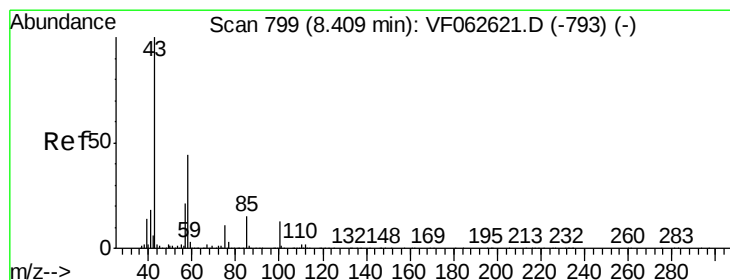
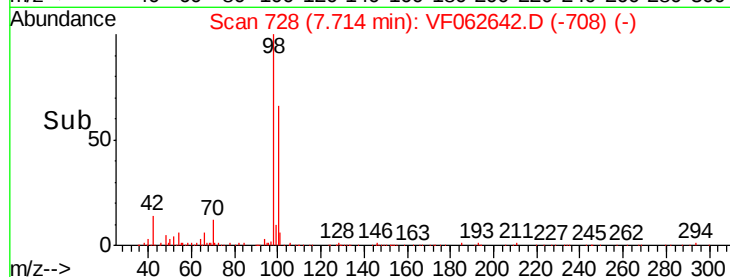
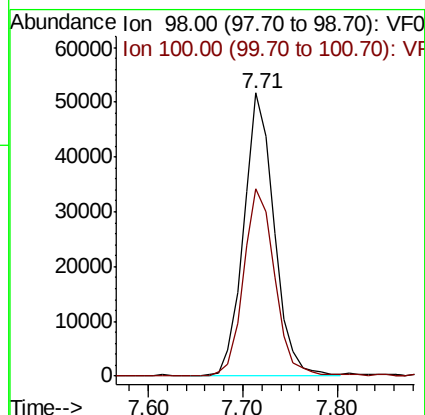
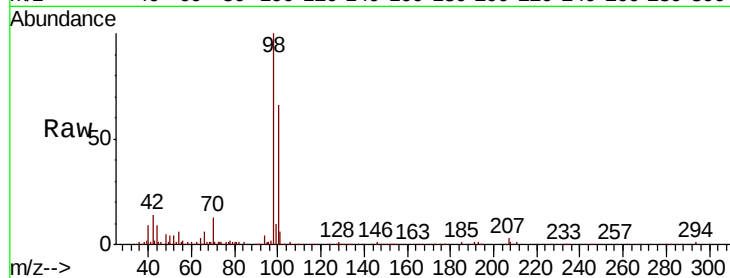
ClientSampleId :

Tot Ion: 98 Resp: 115518

Ion Ratio Lower Upper

98 100

100 66.2 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 4.750 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062642.D

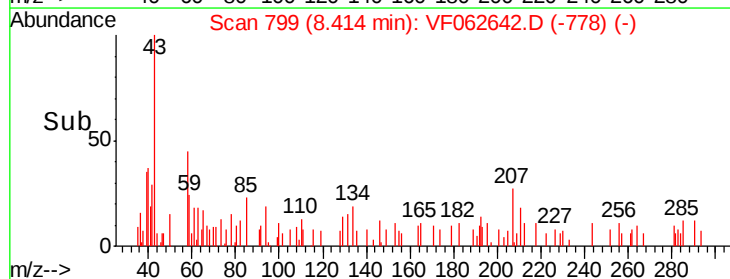
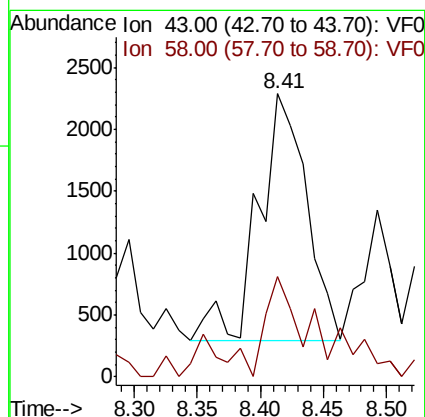
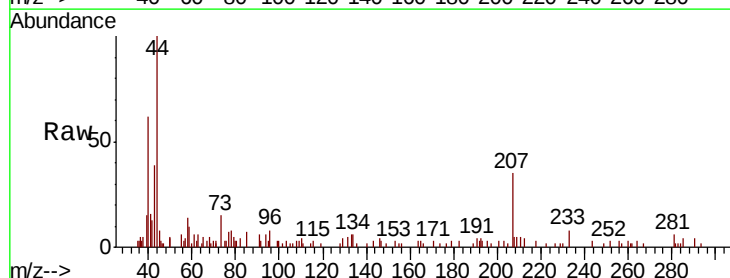
Acq: 17 May 2019 16:59

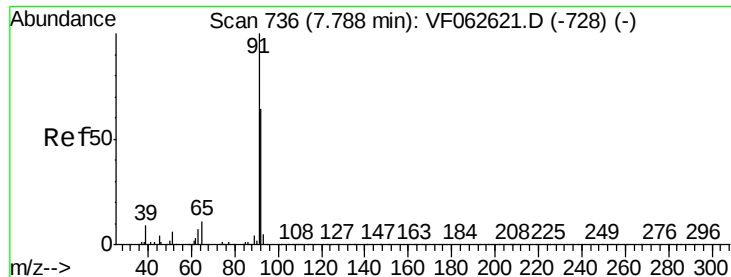
Tgt Ion: 43 Resp: 5268

Ion Ratio Lower Upper

43 100

58 35.4 34.9 52.3





#52

Toluene

Concen: 4.052 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

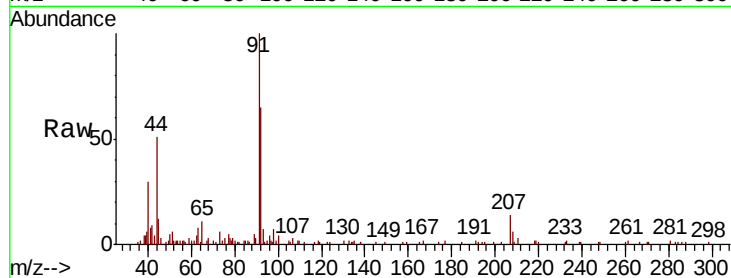
ClientSampled :

Tot Ion: 92 Resp: 17756

Ion Ratio Lower Upper

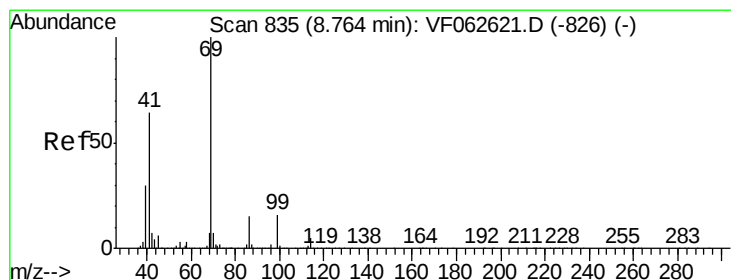
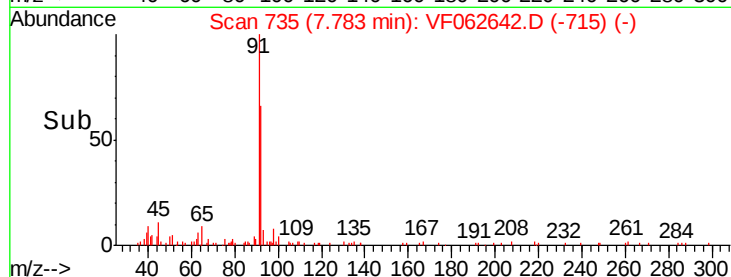
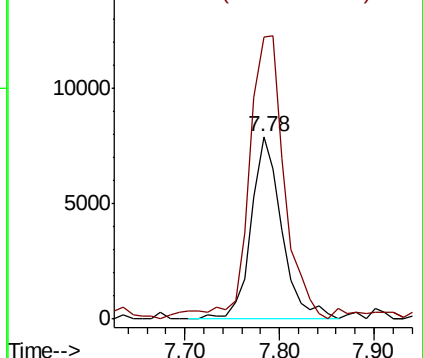
92 100

91 155.0 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#56

Ethyl methacrylate

Concen: 1.535 ug/l

RT: 8.78 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

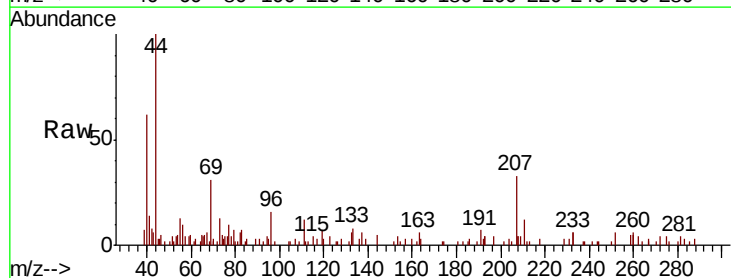
Tgt Ion: 69 Resp: 2372

Ion Ratio Lower Upper

69 100

41 46.1 51.4 77.2#

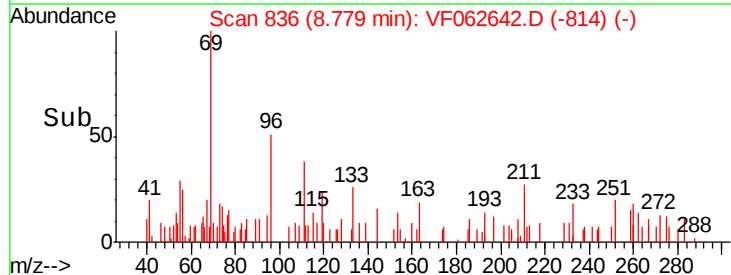
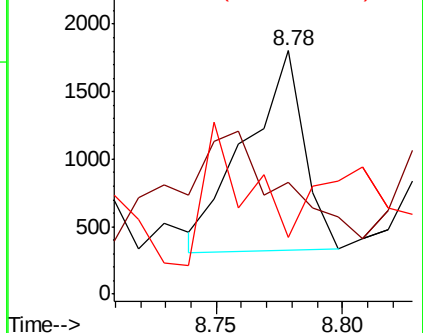
39 23.5 23.6 35.4#

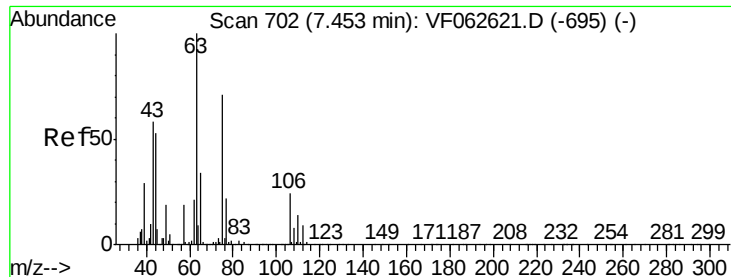


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

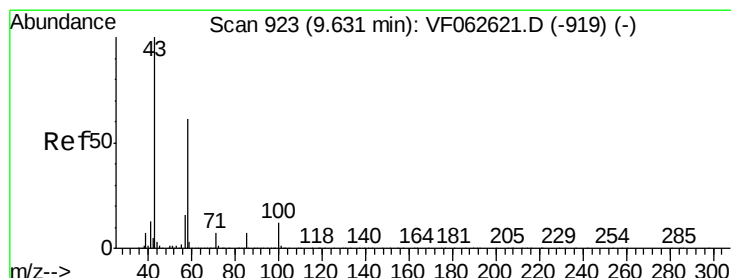
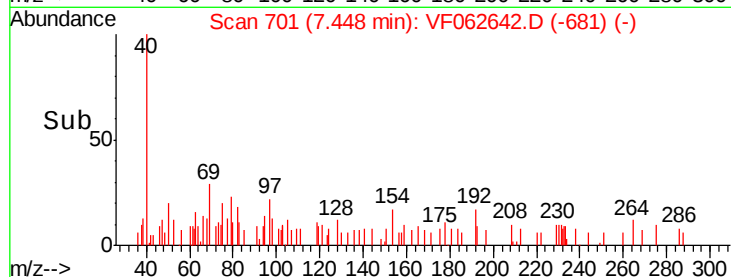
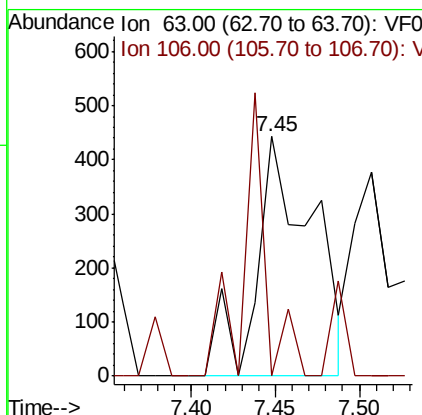
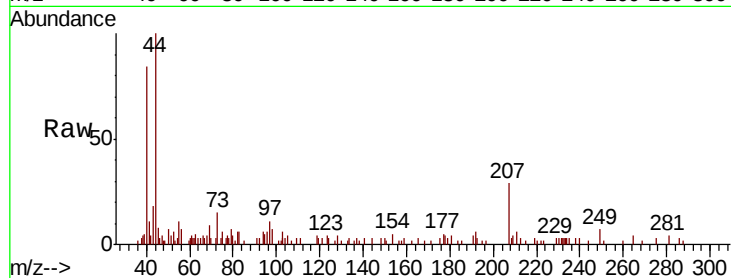




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.037 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

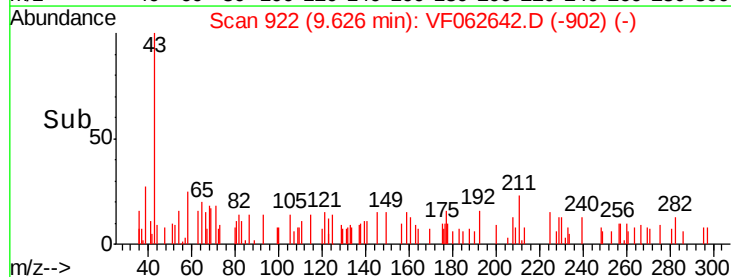
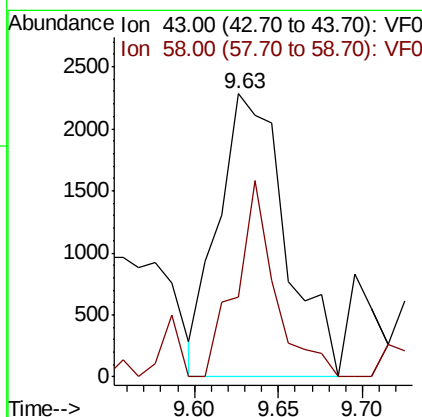
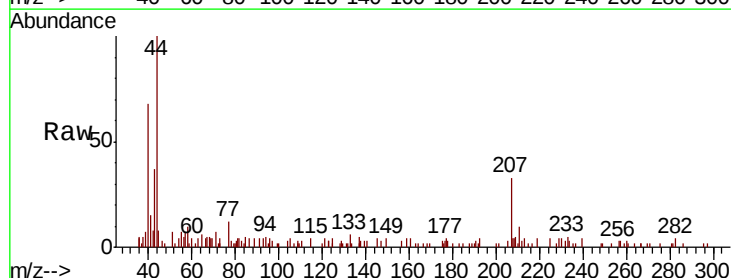
Instrument :
 MSVOA_F
 ClientSampled :

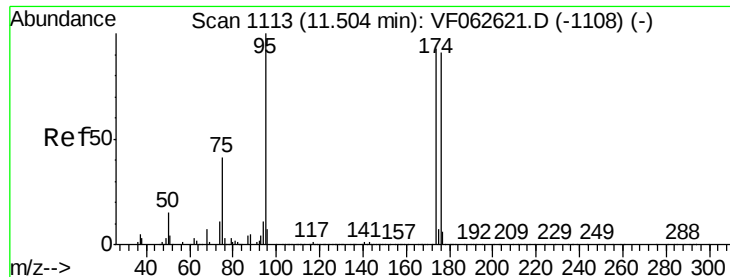
Tot Ion: 63 Resp: 1025
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.1 28.7#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.63 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Tgt Ion: 43 Resp: 6341
 Ion Ratio Lower Upper
 43 100
 58 28.0 28.1 84.4#





#62

4-Bromofluorobenzene

Concen: 7.652 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampled :

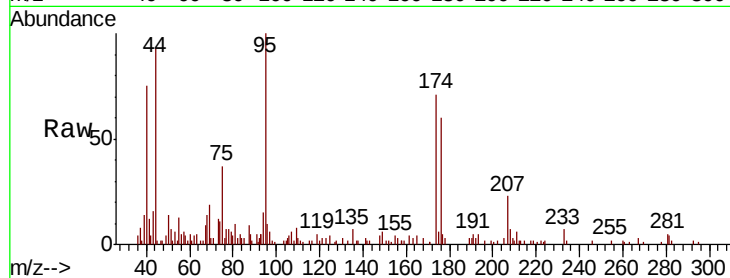
Tot Ion: 95 Resp: 15871

Ion Ratio Lower Upper

95 100

174 71.0 0.0 185.6

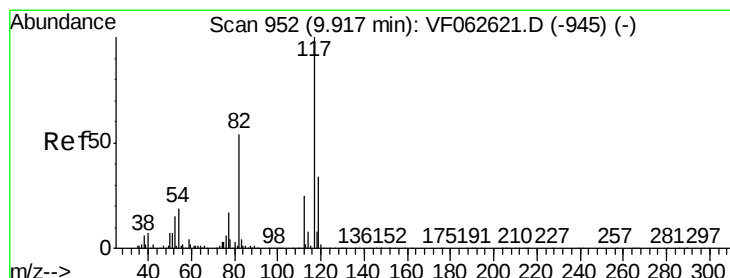
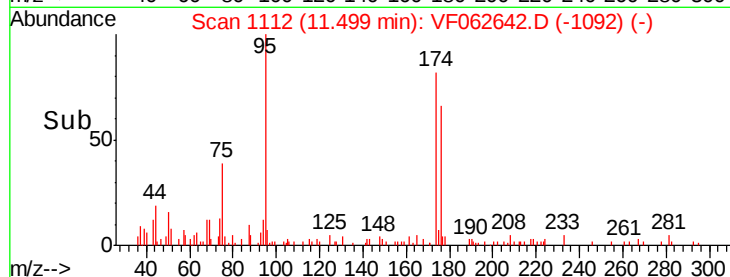
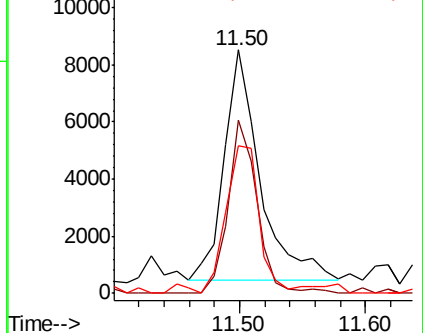
176 60.4 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

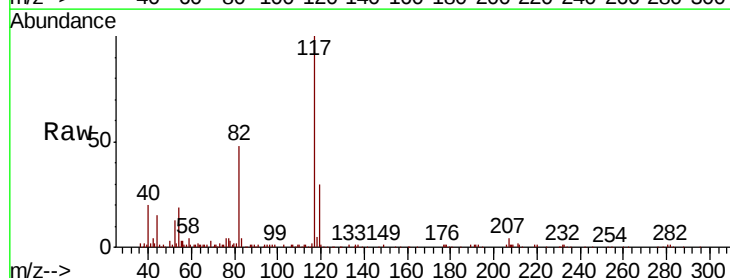
Tgt Ion: 117 Resp: 83681

Ion Ratio Lower Upper

117 100

82 48.2 43.3 64.9

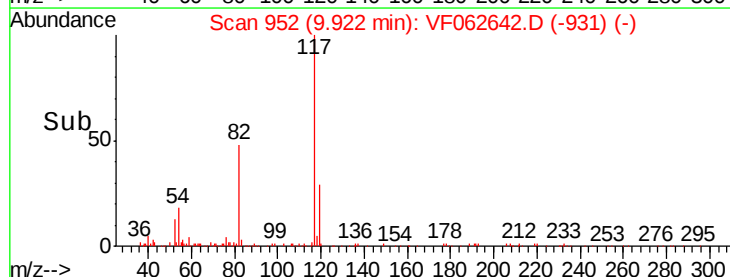
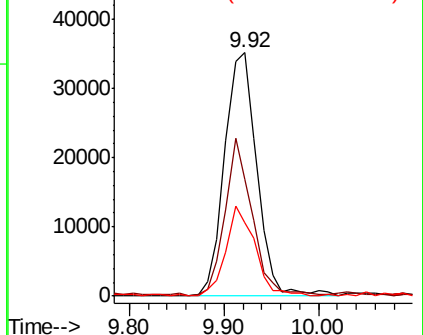
119 30.3 27.4 41.0

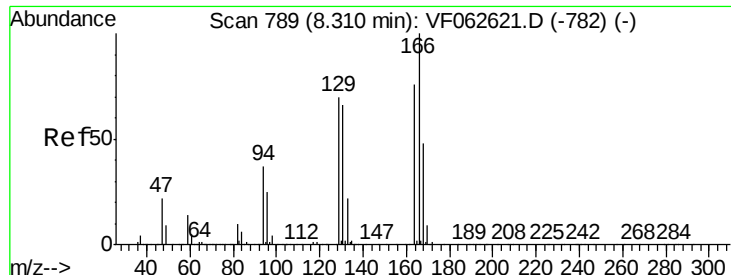


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 2.195 ug/l

RT: 8.32 min Scan# 789

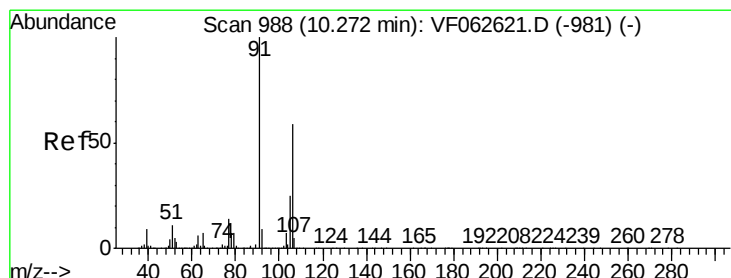
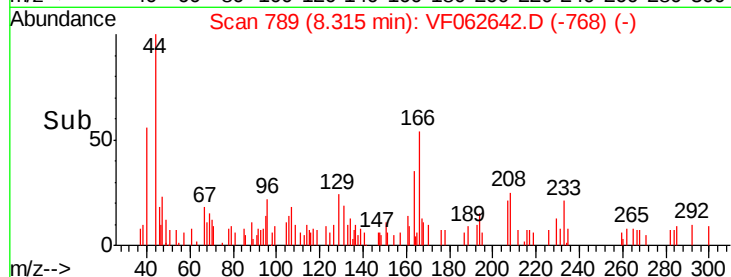
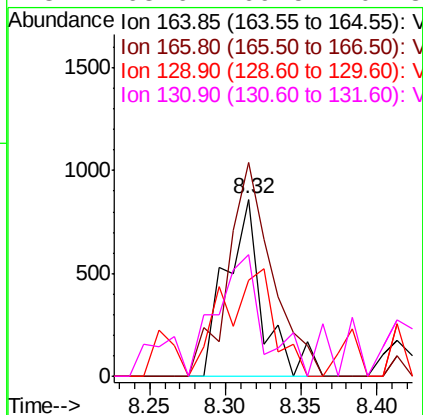
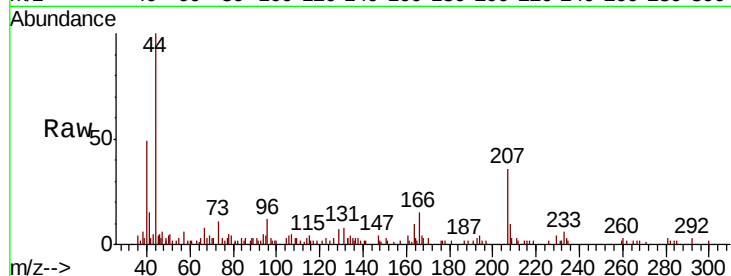
Delta R.T. 0.01 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:164	Resp:	1455
Ion	Ratio	Lower Upper
164	100	
166	120.7	105.5 158.3
129	54.6	73.8 110.6#
131	68.6	69.5 104.3#



#68

m/p-Xylenes

Concen: 3.408 ug/l

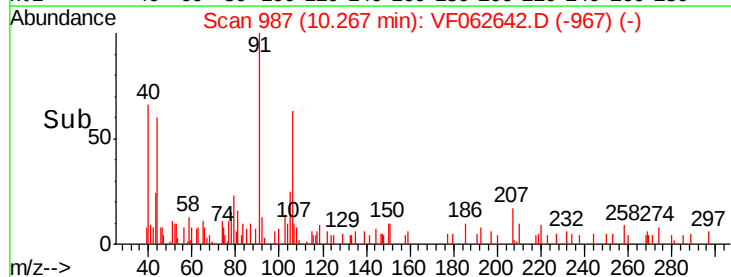
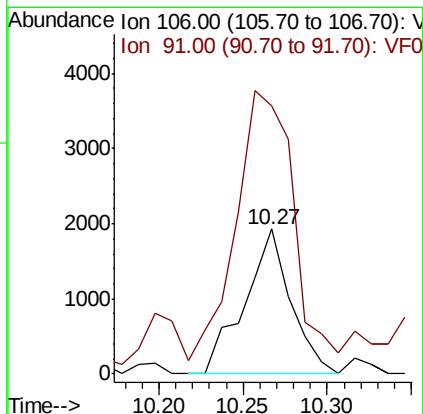
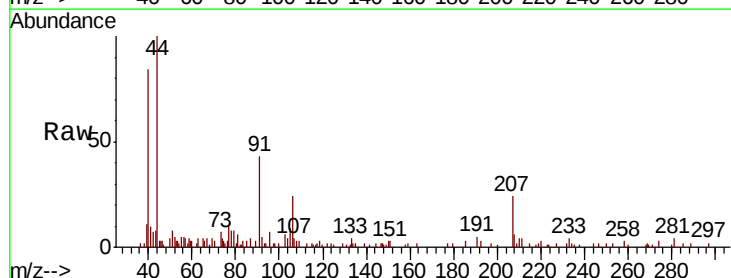
RT: 10.27 min Scan# 987

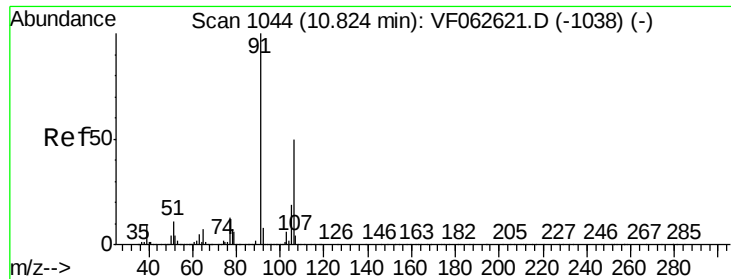
Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Tgt Ion:106	Resp:	3657
Ion	Ratio	Lower Upper
106	100	
91	184.9	136.9 205.3

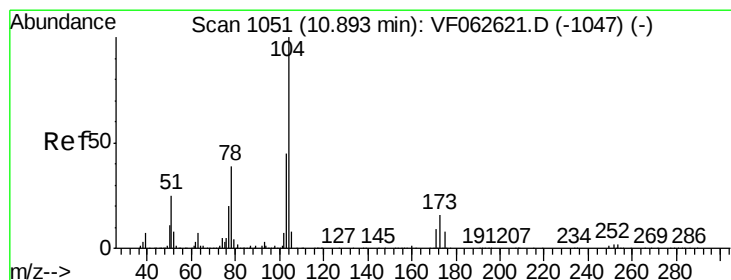
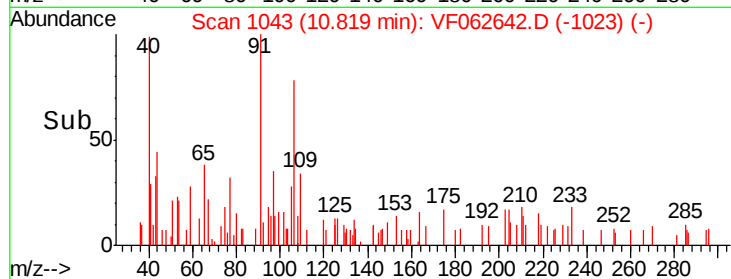
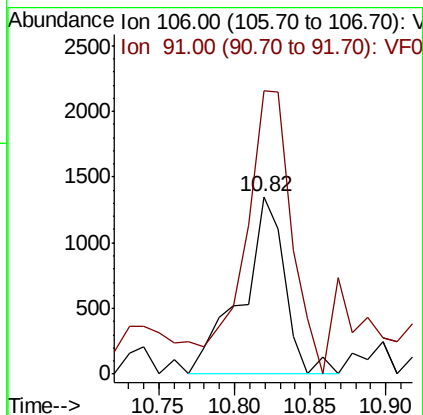
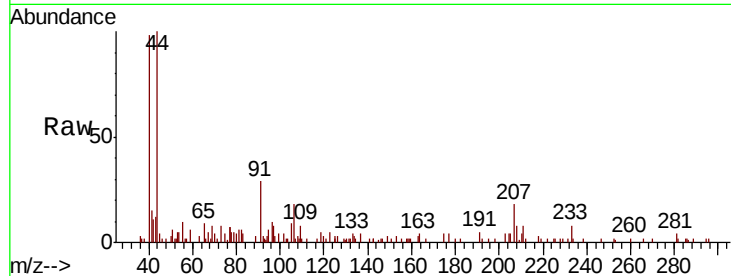




#69
o-Xylene
Concen: 2.443 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

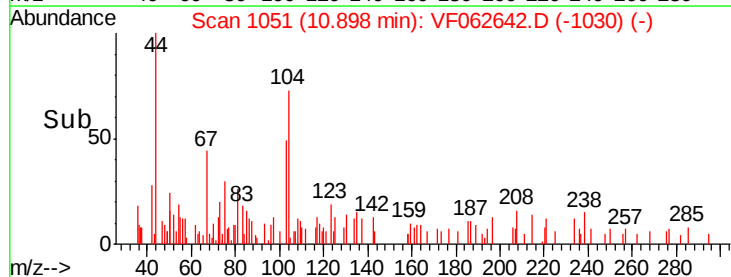
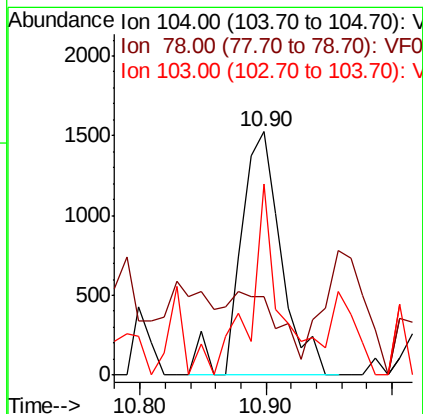
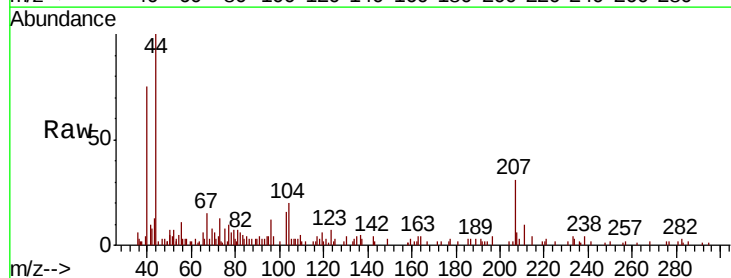
Instrument :
MSVOA_F
ClientSampled :

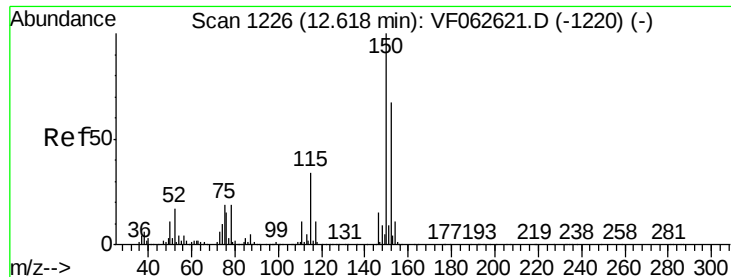
Tot Ion:106 Resp: 2700
Ion Ratio Lower Upper
106 100
91 159.6 100.2 300.5



#70
Styrene
Concen: 2.031 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion:104 Resp: 3412
Ion Ratio Lower Upper
104 100
78 32.1 31.9 47.9
103 78.6 36.1 54.1#



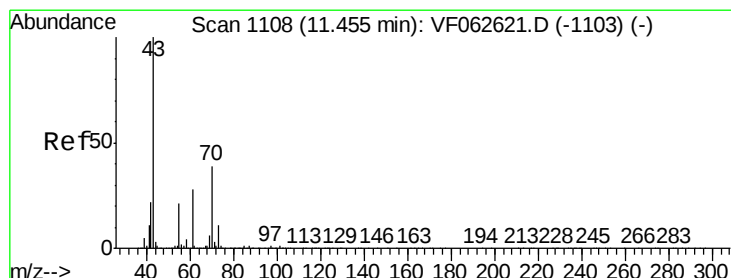
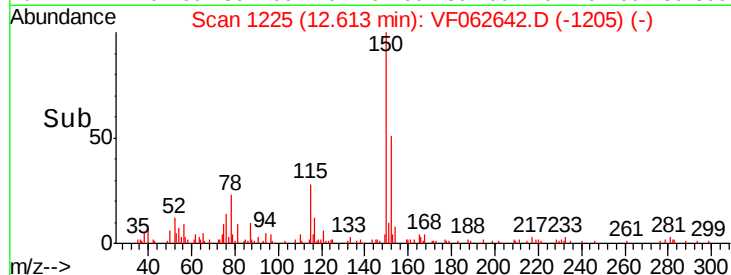
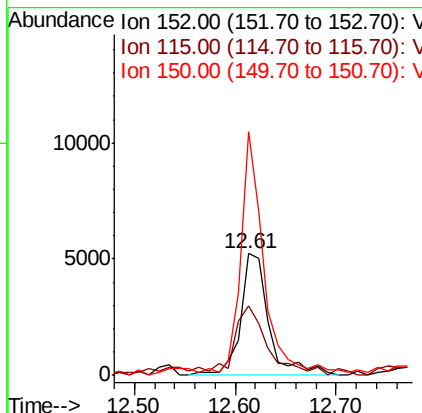
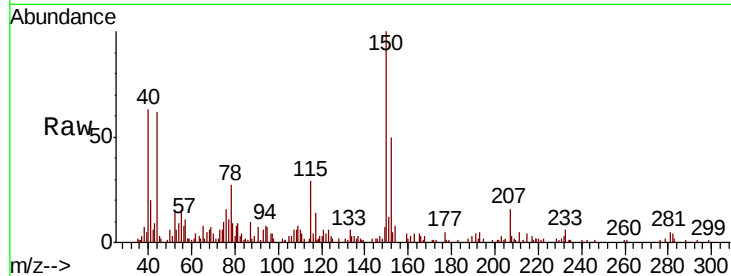


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Instrument :
MSVOA_F
ClientSampleId :

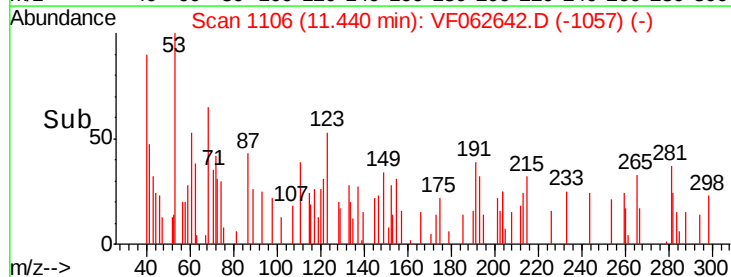
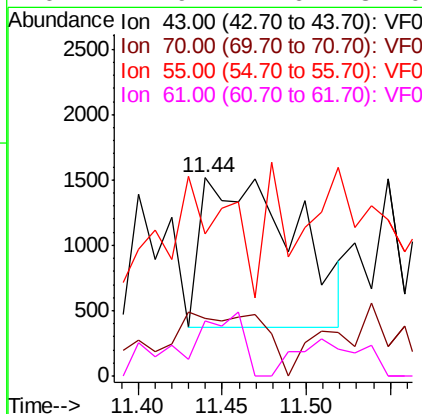
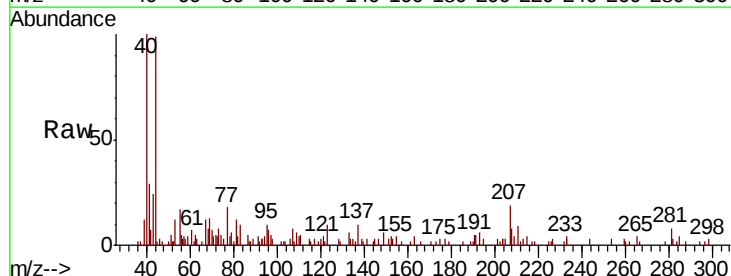
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.4	25.2	75.6
150	200.2	0.0	306.2

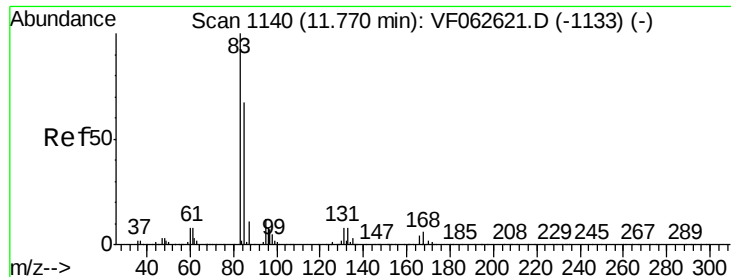


#74

N-ethyl acetate
Concen: 20.401 ug/l
RT: 11.44 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	29.1	30.9	46.3#
55	71.8	17.0	25.4#
61	27.9	22.6	34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 8.535 ug/l

RT: 11.76 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

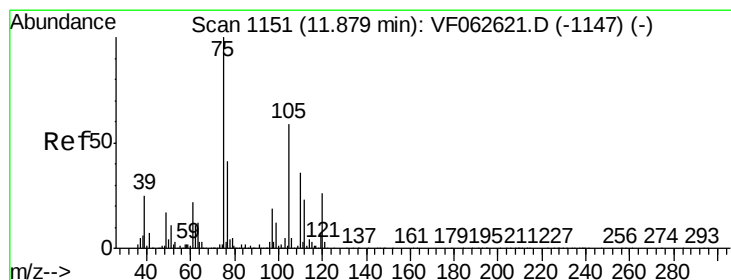
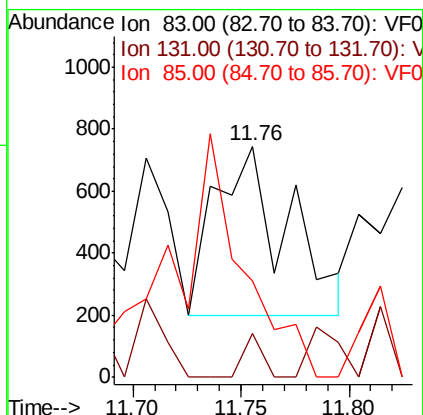
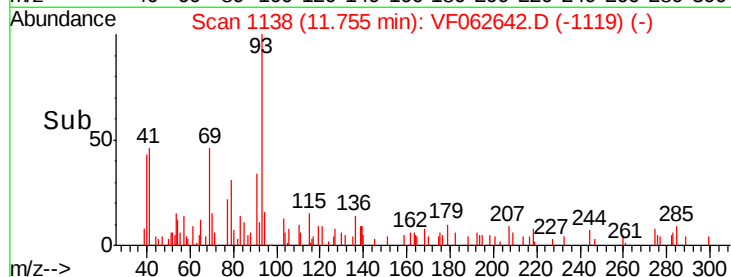
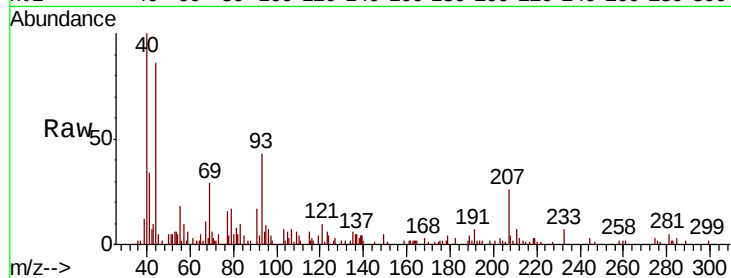
Tot Ion: 83 Resp: 1283

Ion Ratio Lower Upper

83 100

131 18.9 4.0 12.0#

85 41.8 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 4.121 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062642.D

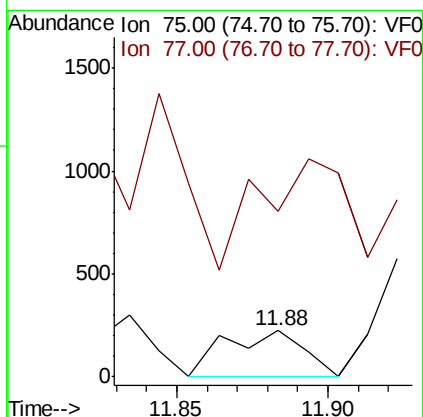
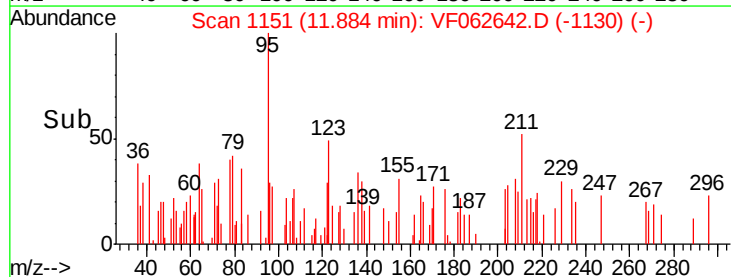
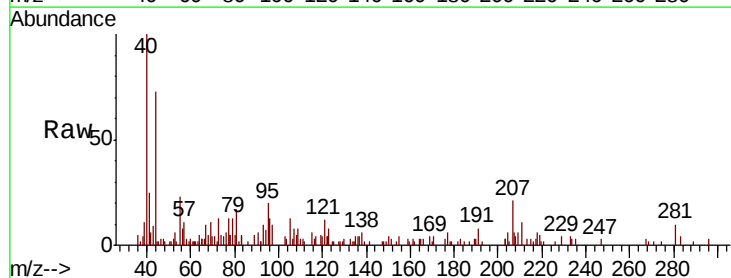
Acq: 17 May 2019 16:59

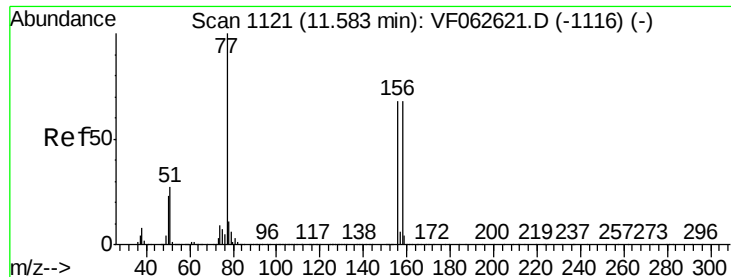
Tgt Ion: 75 Resp: 407

Ion Ratio Lower Upper

75 100

77 360.3 20.6 61.8#





#77

Bromobenzene

Concen: 7.570 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

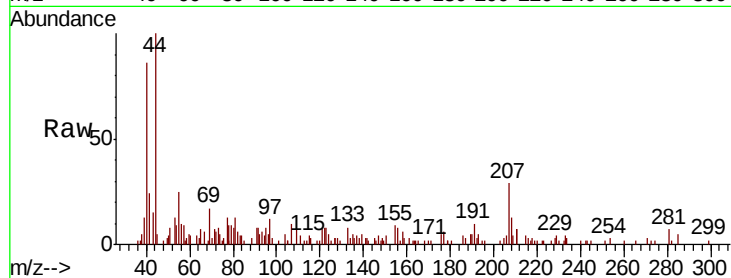
Tot Ion:156 Resp: 1384

Ion Ratio Lower Upper

156 100

77 188.7 73.6 220.8

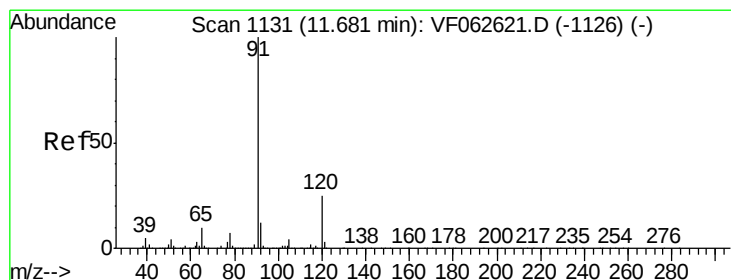
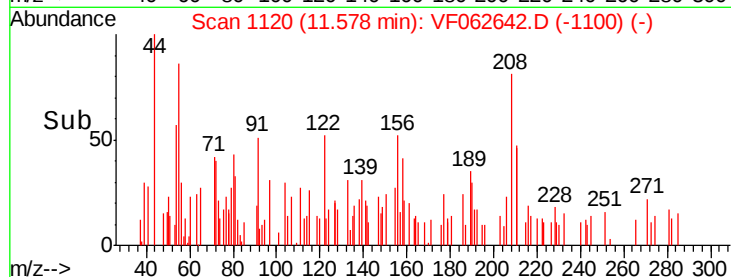
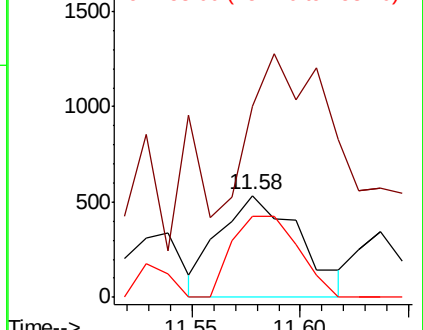
158 79.5 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 8.948 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062642.D

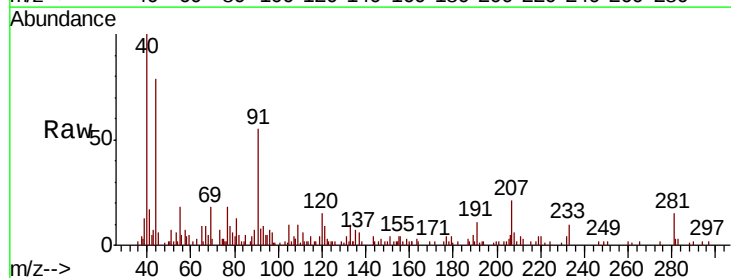
Acq: 17 May 2019 16:59

Tgt Ion: 91 Resp: 7789

Ion Ratio Lower Upper

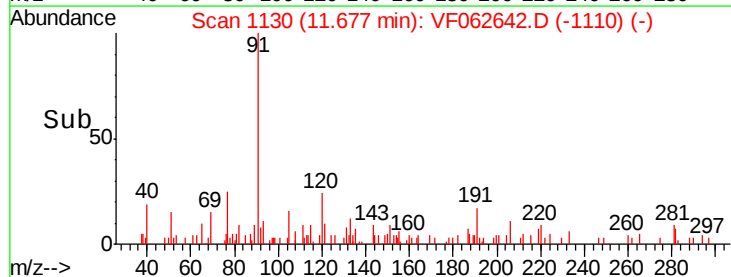
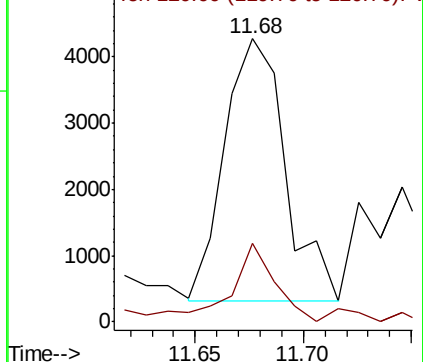
91 100

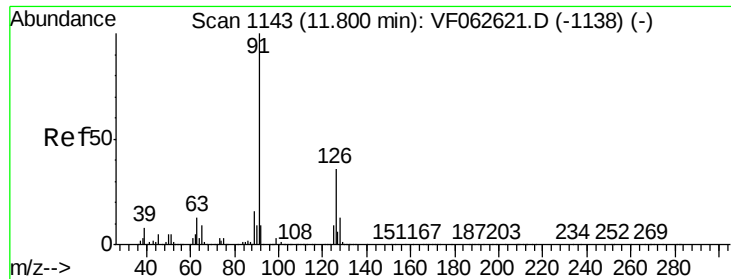
120 27.6 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

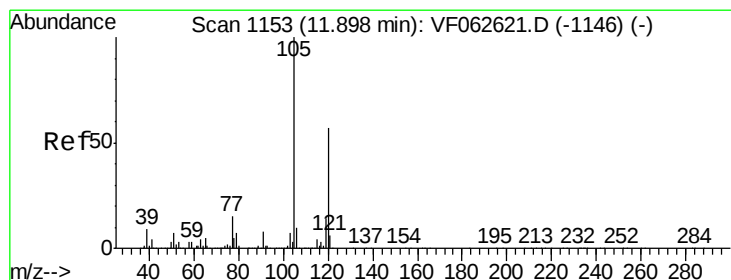
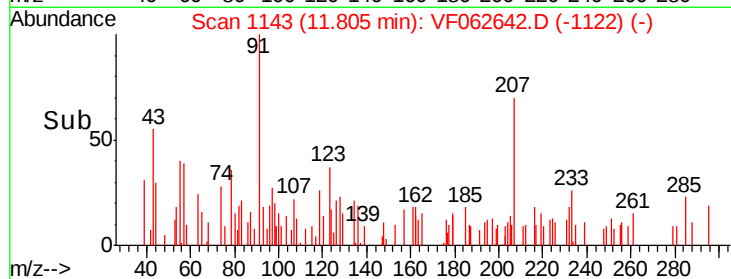
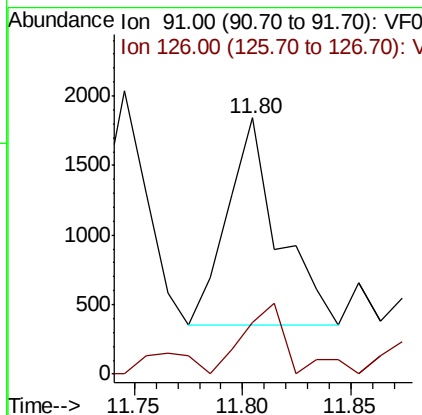
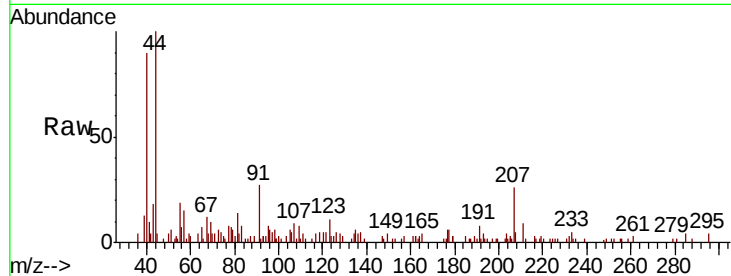




#79
 2-Chlorotoluene
 Concen: 4.986 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

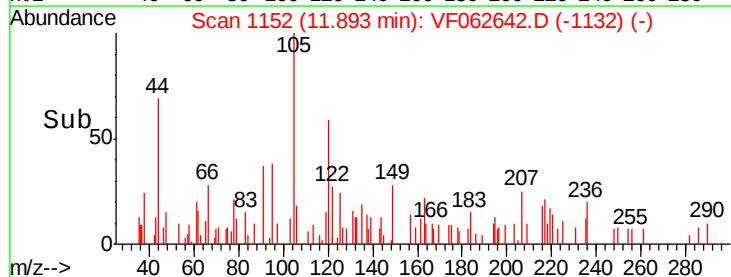
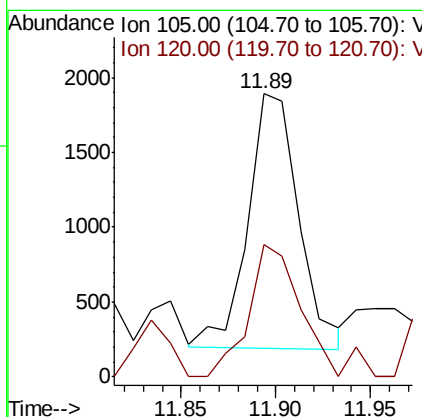
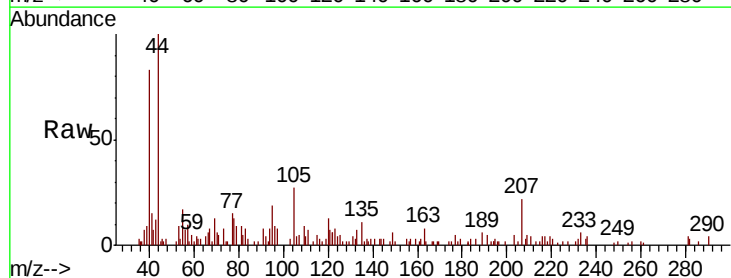
Instrument :
 MSVOA_F
 ClientSampleID :

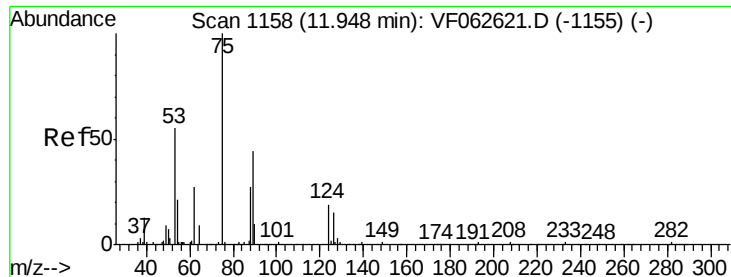
Tot Ion: 91 Resp: 2446
 Ion Ratio Lower Upper
 91 100
 126 20.0 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 5.403 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Tgt Ion: 105 Resp: 3187
 Ion Ratio Lower Upper
 105 100
 120 46.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 13.780 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

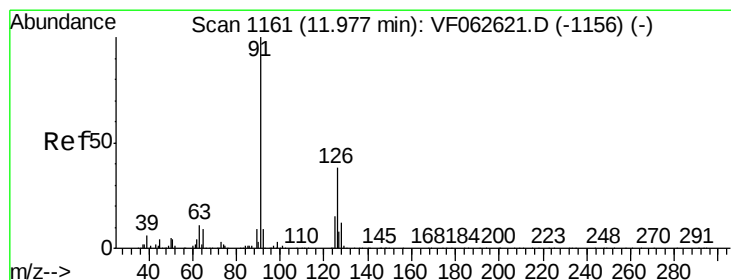
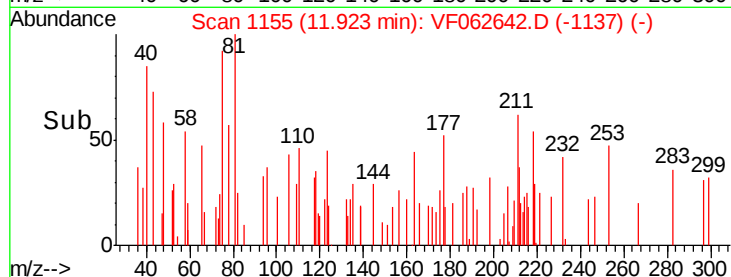
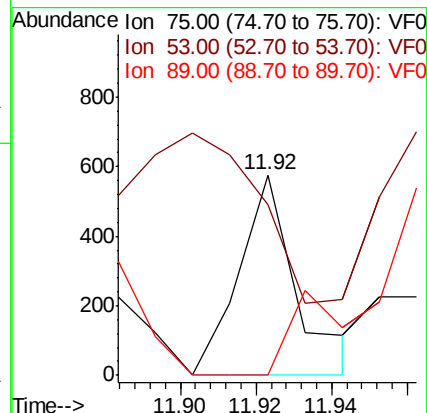
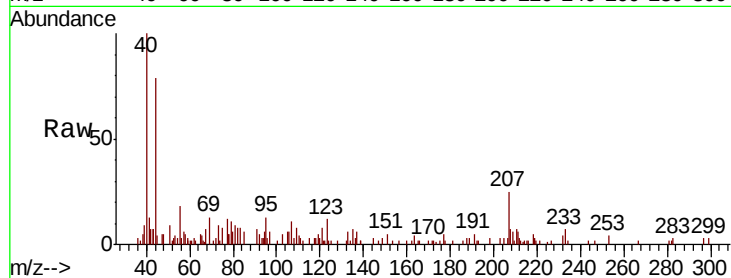
Tot Ion: 75 Resp: 605

Ion Ratio Lower Upper

75 100

53 84.7 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 8.597 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062642.D

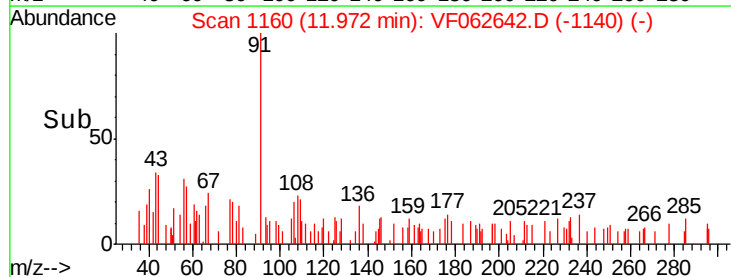
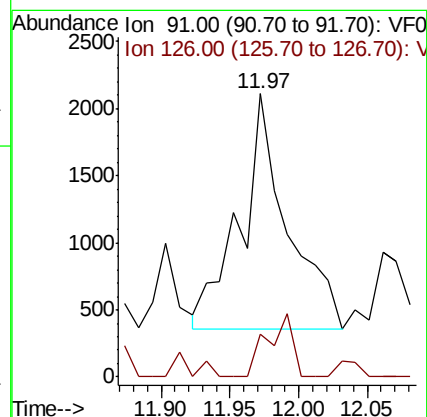
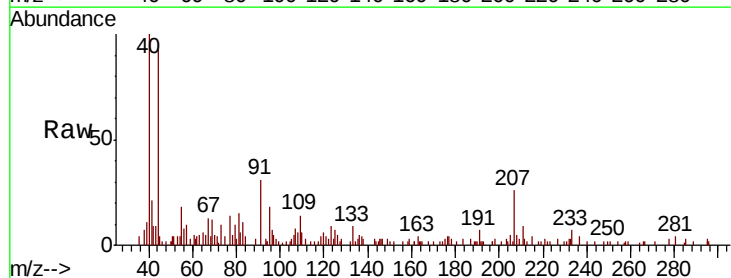
Acq: 17 May 2019 16:59

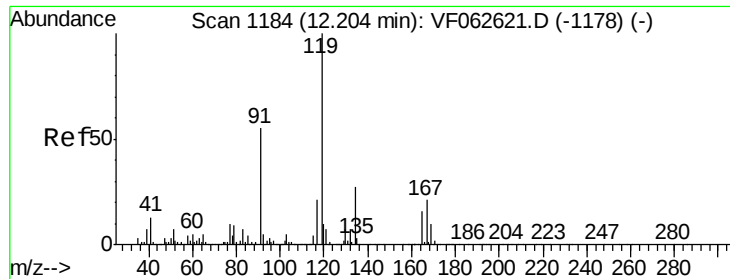
Tgt Ion: 91 Resp: 4159

Ion Ratio Lower Upper

91 100

126 15.2 19.1 57.1#

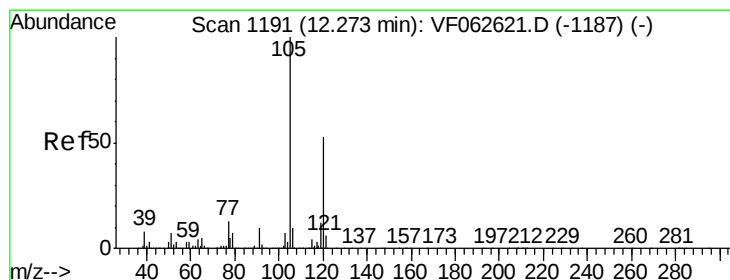
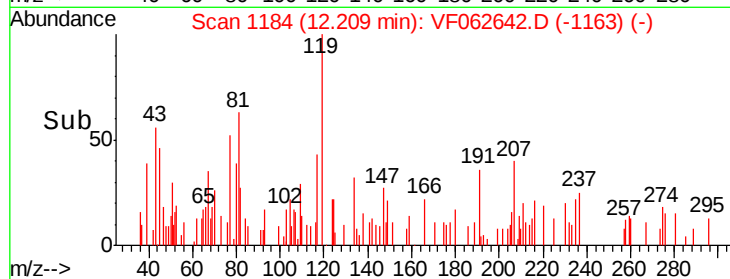
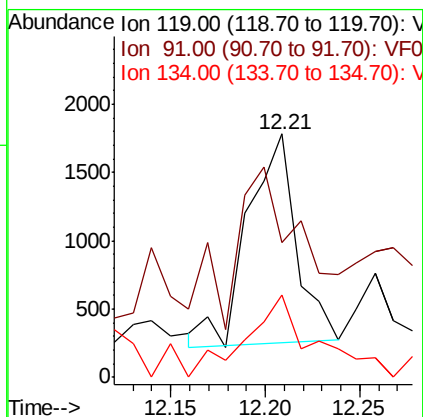
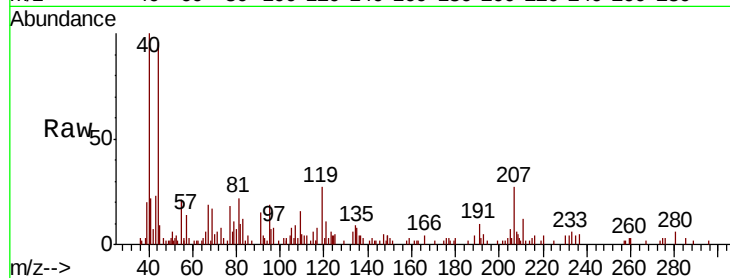




#83
tert-Butylbenzene
Concen: 4.577 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

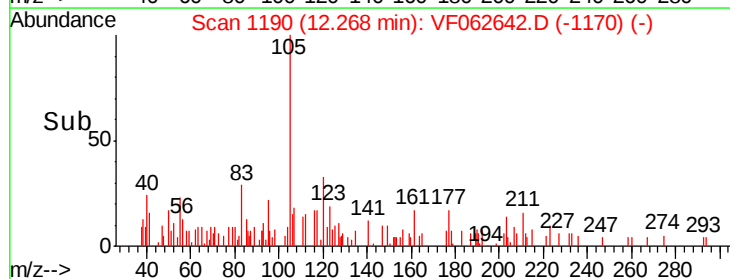
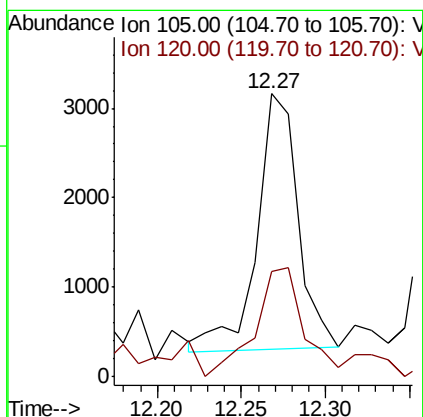
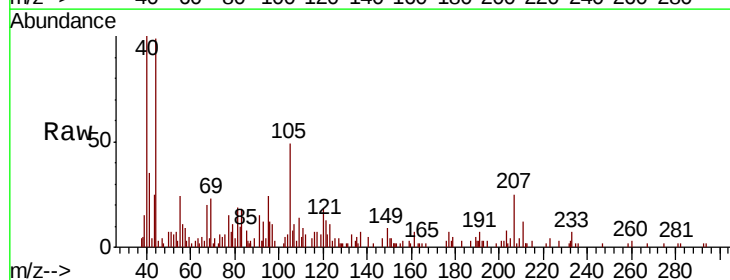
Instrument :
MSVOA_F
ClientSampleId :

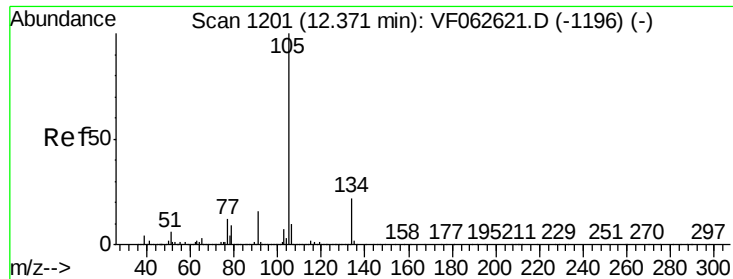
Tot Ion:119 Resp: 2739
Ion Ratio Lower Upper
119 100
91 55.3 27.3 81.9
134 33.8 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 8.501 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion:105 Resp: 4853
Ion Ratio Lower Upper
105 100
120 37.1 26.7 80.1

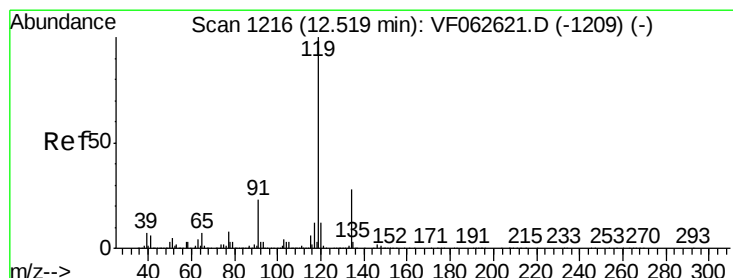
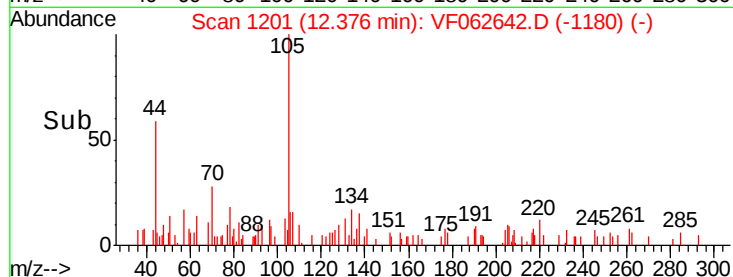
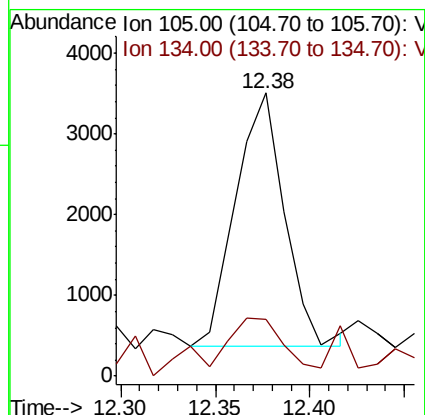
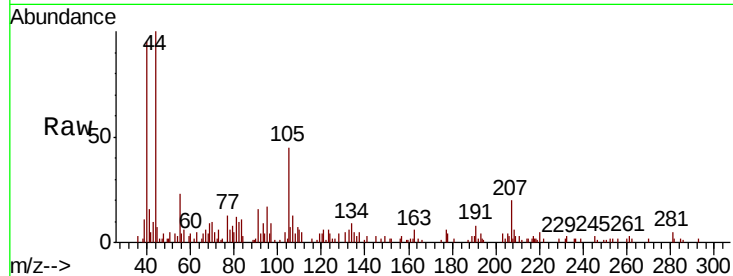




#85
 sec-Butylbenzene
 Concen: 6.997 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

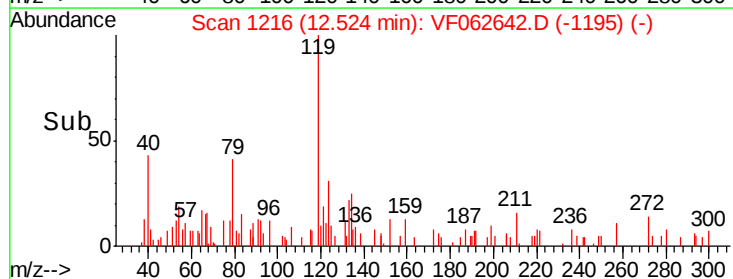
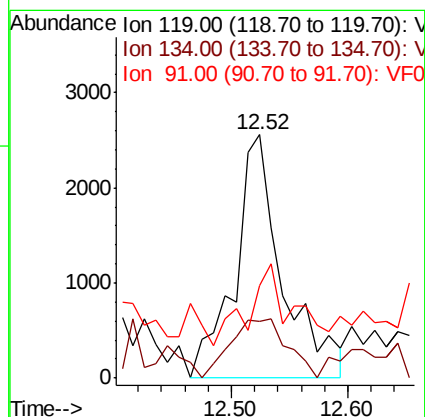
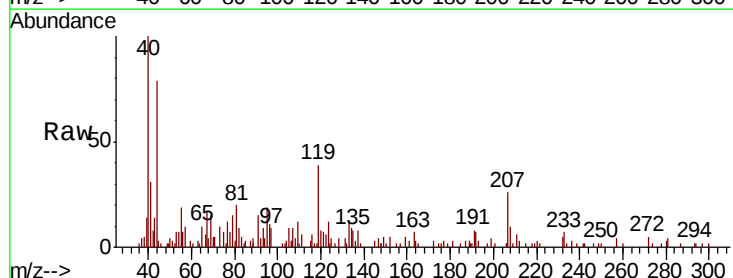
Instrument :
 MSVOA_F
 ClientSampleId :

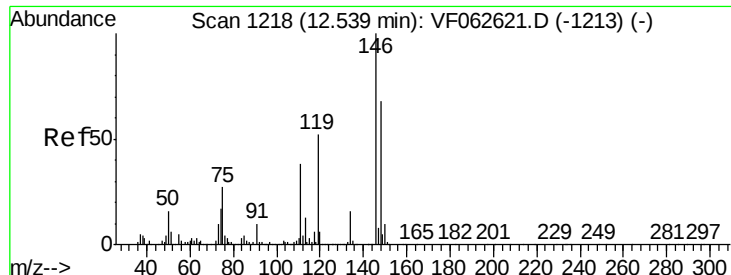
Tot Ion:105 Resp: 5619
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 10.801 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Tgt Ion:119 Resp: 7310
 Ion Ratio Lower Upper
 119 100
 134 23.4 14.1 42.3
 91 37.9 11.4 34.2#

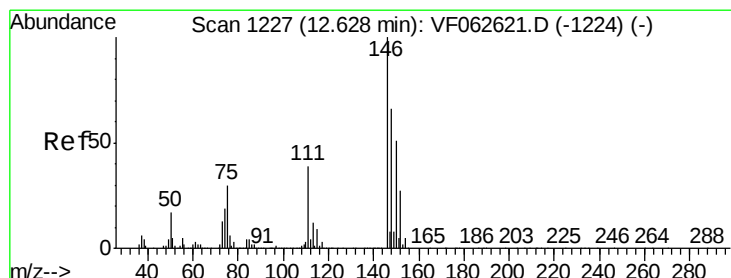
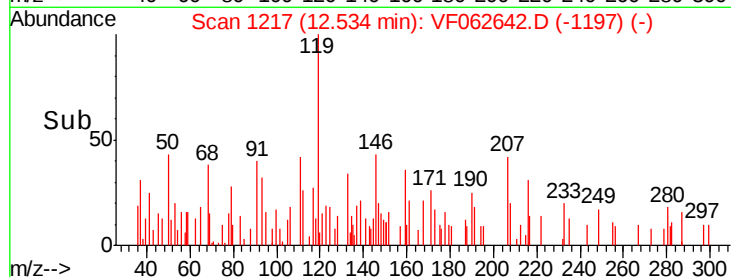
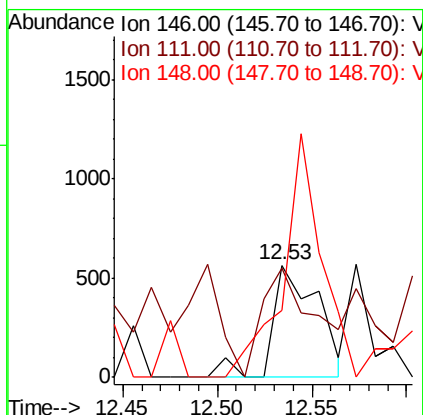
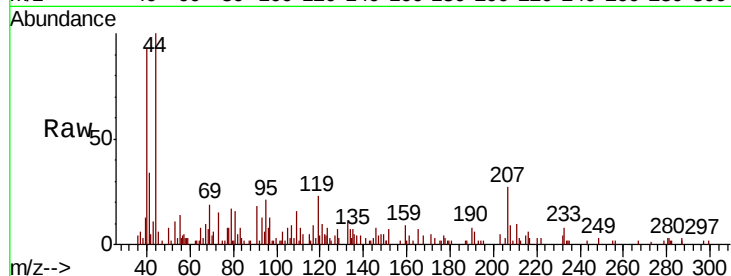




#87
 1,3-Dichlorobenzene
 Concen: 2.854 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

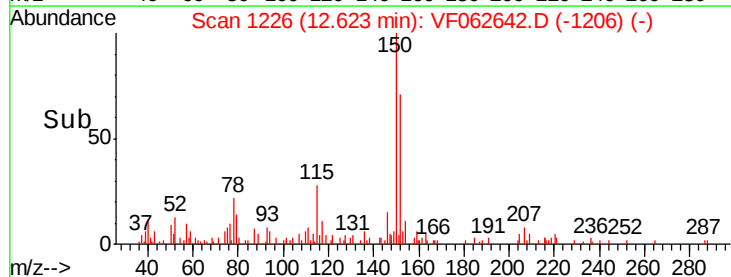
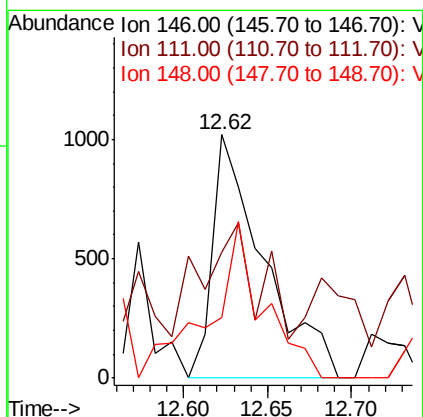
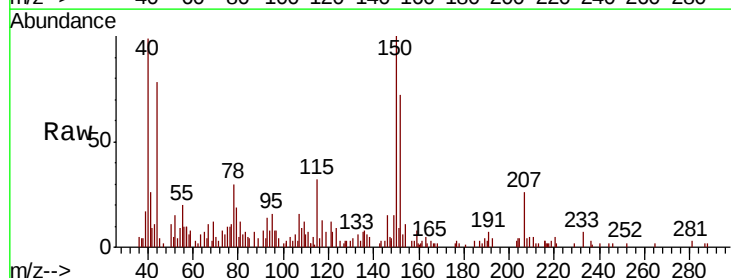
Instrument :
 MSVOA_F
 ClientSampled :

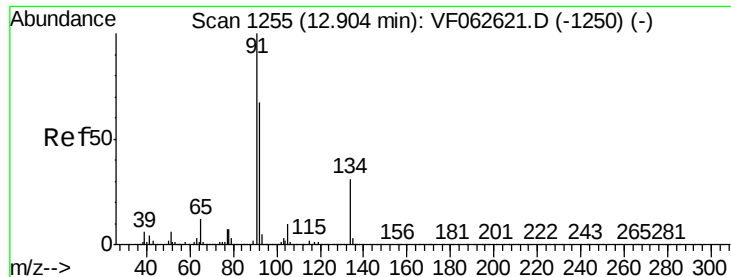
Tot Ion:146 Resp: 944
 Ion Ratio Lower Upper
 146 100
 111 97.0 18.9 56.9#
 148 59.9 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 6.891 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Tgt Ion:146 Resp: 2139
 Ion Ratio Lower Upper
 146 100
 111 51.5 19.4 58.2
 148 25.1 33.2 99.6#

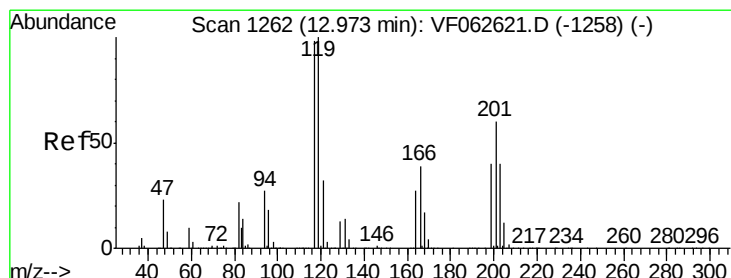
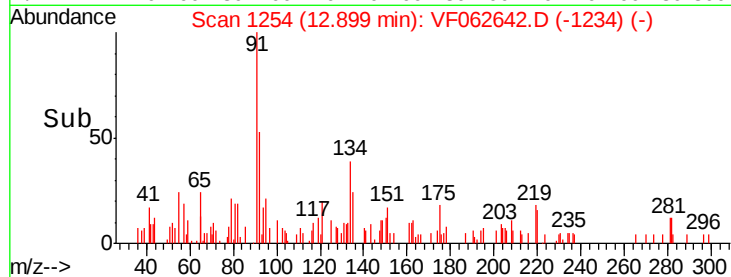
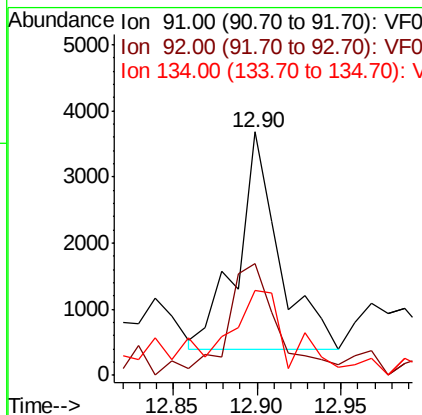
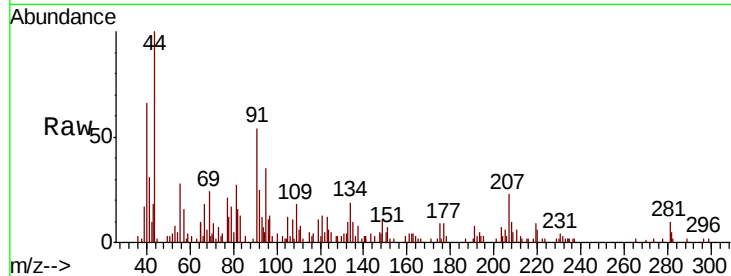




#89
n-Butylbenzene
Concen: 8.368 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

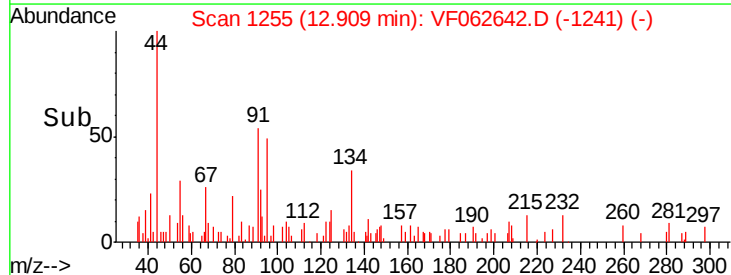
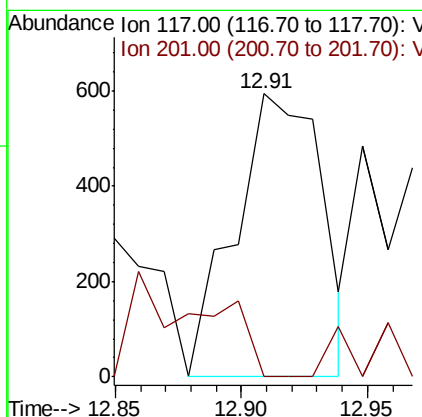
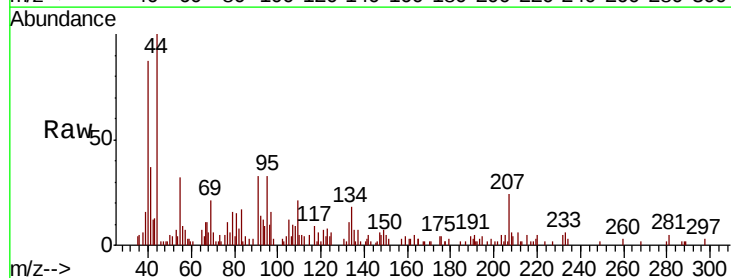
Instrument :
MSVOA_F
ClientSampled :

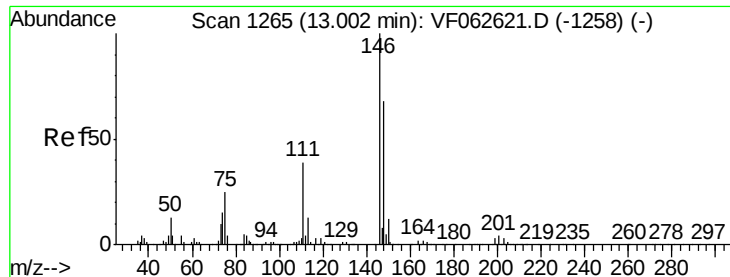
Tot Ion: 91 Resp: 5584
Ion Ratio Lower Upper
91 100
92 46.2 33.3 99.8
134 35.1 15.4 46.4



#90
Hexachloroethane
Concen: 8.759 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.06 min
Lab File: VF062642.D
Acq: 17 May 2019 16:59

Tgt Ion: 117 Resp: 1422
Ion Ratio Lower Upper
117 100
201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 4.667 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

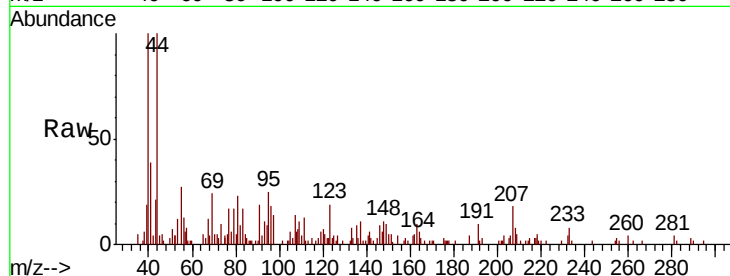
Tot Ion:146 Resp: 1376

Ion Ratio Lower Upper

146 100

111 143.9 19.8 59.3#

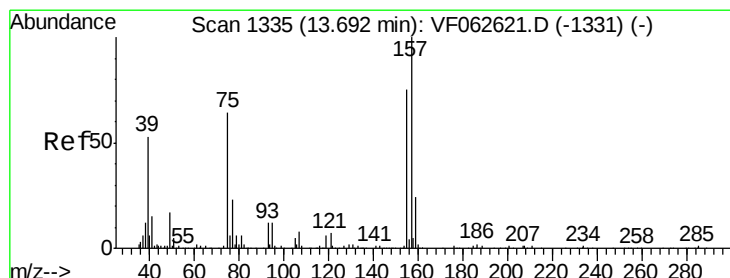
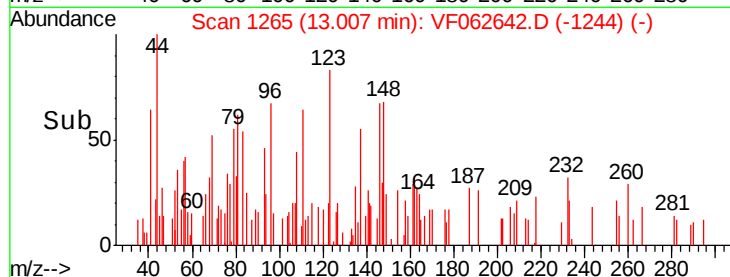
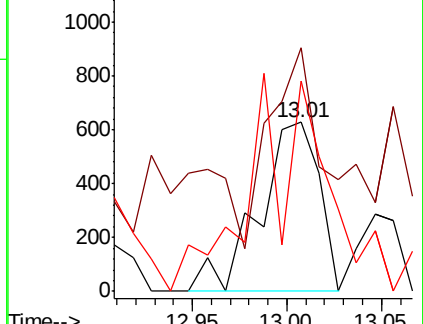
148 124.4 34.1 102.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.440 ug/l

RT: 13.72 min Scan# 1337

Delta R.T. 0.02 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

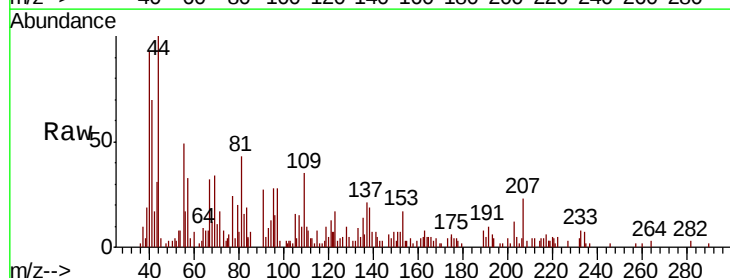
Tgt Ion: 75 Resp: 779

Ion Ratio Lower Upper

75 100

155 32.7 58.1 174.3#

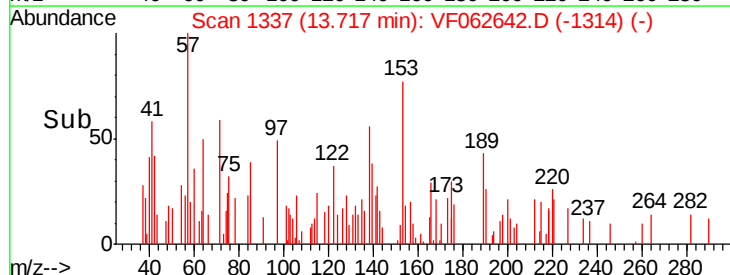
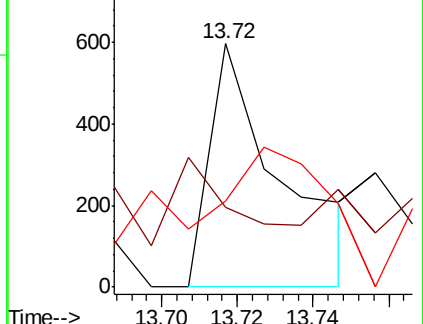
157 35.5 77.8 233.4#

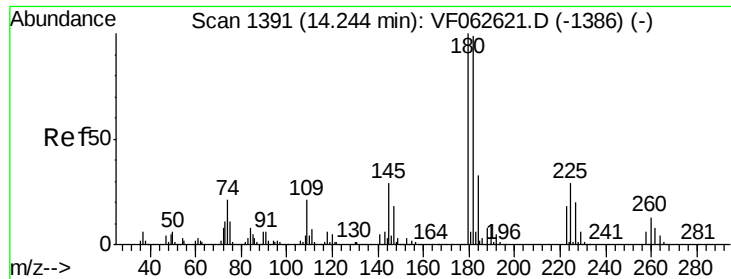


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

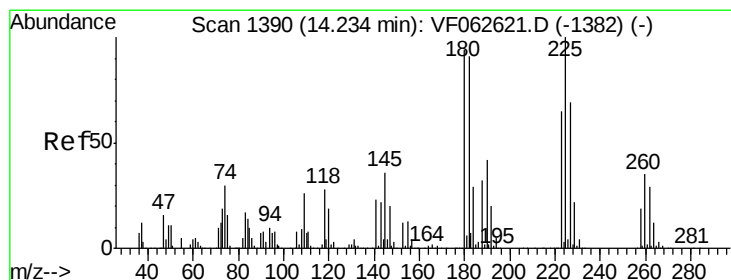
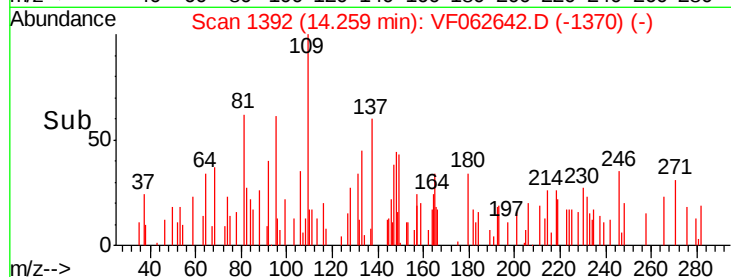
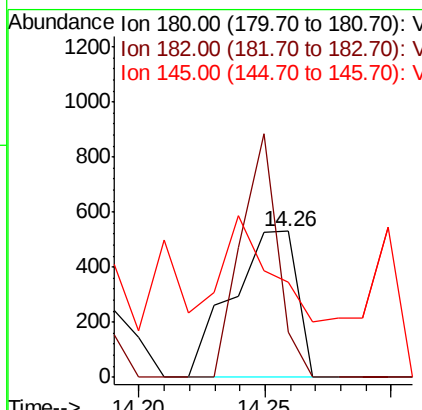
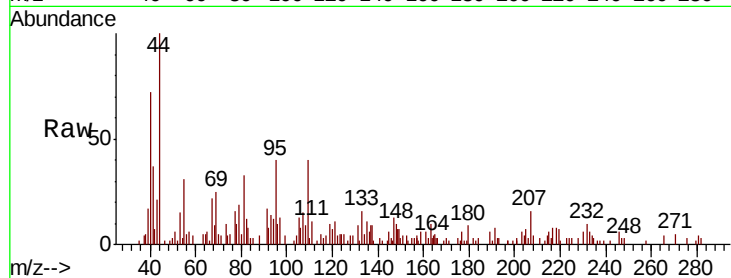




#93
 1,2,4-Trichlorobenzene
 Concen: 4.506 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

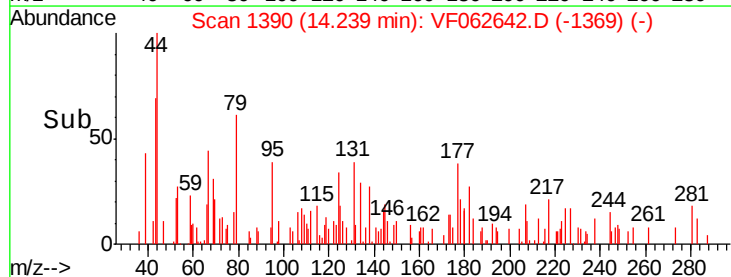
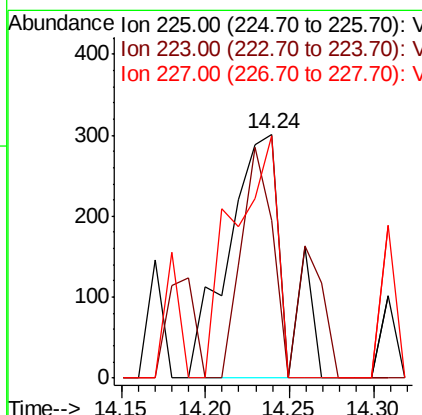
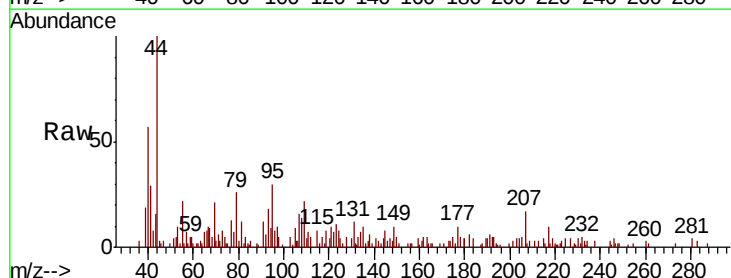
Instrument :
 MSVOA_F
 ClientSampled :

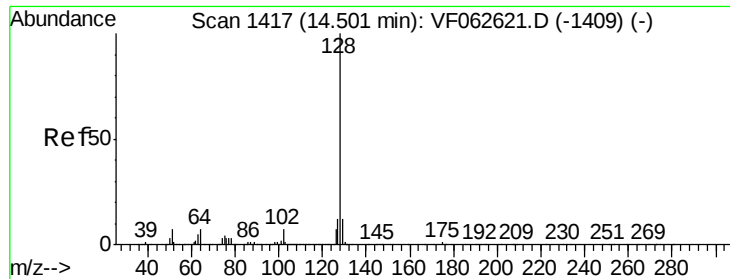
Tot Ion:180 Resp: 951
 Ion Ratio Lower Upper
 180 100
 182 30.8 49.7 149.1#
 145 64.9 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 4.759 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062642.D
 Acq: 17 May 2019 16:59

Tgt Ion:225 Resp: 701
 Ion Ratio Lower Upper
 225 100
 223 64.8 32.5 97.4
 227 99.3 34.5 103.5





#95

Naphthalene

Concen: 32.970 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

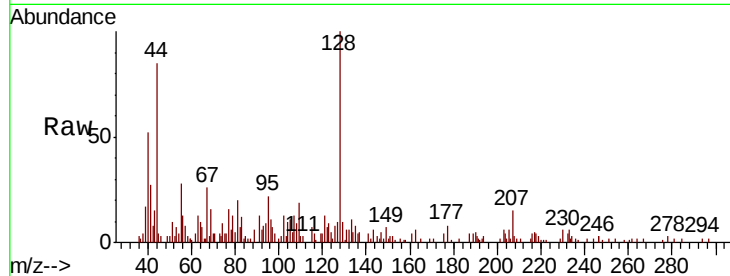
Tot Ion:128 Resp: 12642

Ion Ratio Lower Upper

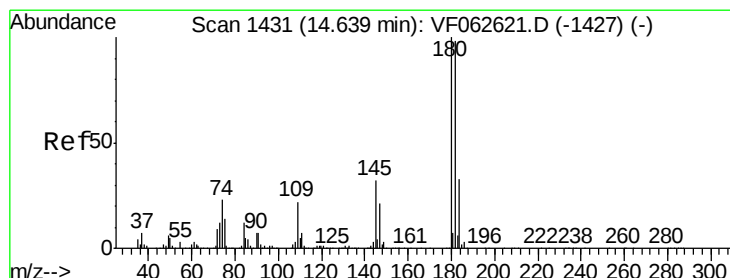
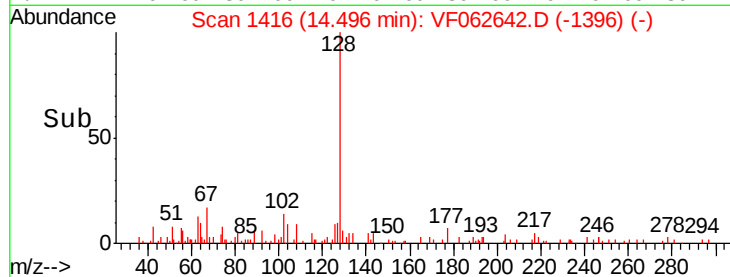
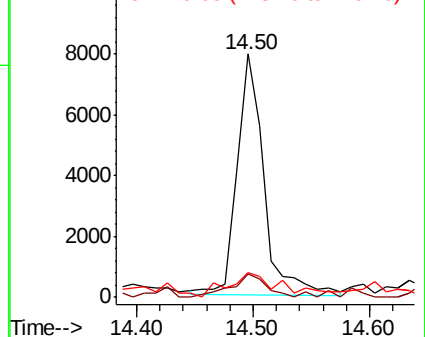
128 100

127 9.6 9.7 14.5#

129 10.3 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.678 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062642.D

Acq: 17 May 2019 16:59

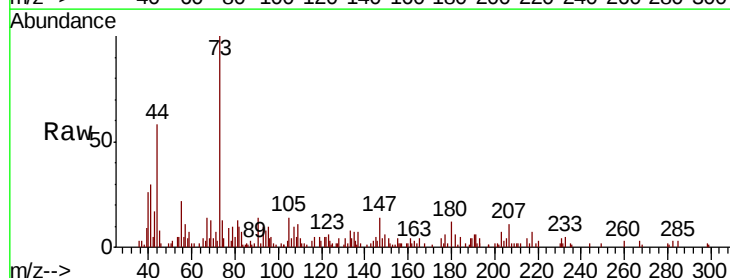
Tgt Ion:180 Resp: 1735

Ion Ratio Lower Upper

180 100

182 44.8 48.9 146.7#

145 39.1 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

