

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062756.D
 Acq On : 28 May 2019 13:05
 Operator : FY/SY
 Sample : VF0528SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

Quant Time: May 29 01:44:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	876785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1423887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1065738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	521040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	260090	41.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	83.96%	
35) Dibromofluoromethane	4.32	113	473390	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	
50) Toluene-d8	7.72	98	1132547	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
62) 4-Bromofluorobenzene	11.50	95	429832	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	201950	16.925	ug/l	98
3) Chloromethane	1.15	50	172118	15.666	ug/l	96
4) Vinyl Chloride	1.20	62	152130	15.043	ug/l	96
5) Bromomethane	1.41	94	90367	16.334	ug/l	99
6) Chloroethane	1.45	64	55092	14.833	ug/l	97
7) Trichlorofluoromethane	1.57	101	234149	17.244	ug/l	85
8) Diethyl Ether	1.72	74	50364	18.722	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	148093	17.128	ug/l	97
10) Methyl Iodide	1.99	142	321203	18.911	ug/l	99
11) Tert butyl alcohol	2.72	59	38828	94.922	ug/l #	90
12) 1,1-Dichloroethene	1.89	96	137755	17.490	ug/l	93
13) Acrolein	2.11	56	28134	65.889	ug/l #	82
14) Allyl chloride	2.21	41	144091	20.213	ug/l	97
15) Acrylonitrile	3.10	53	108393	93.939	ug/l #	94
16) Acetone	2.36	43	120691	75.085	ug/l	97
17) Carbon Disulfide	1.94	76	375342	16.078	ug/l	99
18) Methyl Acetate	2.47	43	46686	18.483	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	268718	19.085	ug/l	100
20) Methylene Chloride	2.35	84	89833	11.150	ug/l	92
21) trans-1,2-Dichloroethene	2.43	96	140486	18.248	ug/l	98
22) Diisopropyl ether	2.95	45	327847	18.647	ug/l	98
23) Vinyl Acetate	3.36	43	1135371	95.729	ug/l	97
24) 1,1-Dichloroethane	3.03	63	241806	18.748	ug/l	99
25) 2-Butanone	4.54	43	326584	95.098	ug/l	90
26) 2,2-Dichloropropane	3.80	77	151735	20.561	ug/l	86
27) cis-1,2-Dichloroethene	3.66	96	257757	20.355	ug/l	95
28) Bromochloromethane	3.91	49	46510	6.430	ug/l	97
29) Tetrahydrofuran	4.29	42	131272	94.461	ug/l	96
30) Chloroform	4.07	83	368480	20.577	ug/l	99
31) Cyclohexane	3.90	56	164615	9.505	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	240606	20.231	ug/l	98
36) 1,1-Dichloropropene	4.49	75	280630	19.234	ug/l	98
37) Ethyl Acetate	4.32	43	113264	19.013	ug/l #	76
38) Carbon Tetrachloride	4.21	117	207413	18.902	ug/l	97

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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)
39) Methylcyclohexane	5.65	83	364113	20.740	ug/l	98
40) Benzene	4.84	78	823660	20.722	ug/l	99
41) Methacrylonitrile	4.95	41	59057	18.909	ug/l	97
42) 1,2-Dichloroethane	5.15	62	158349	19.977	ug/l	99
43) Isopropyl Acetate	7.13	43	150411	19.489	ug/l #	87
44) Trichloroethene	5.70	130	244507	21.887	ug/l	92
45) 1,2-Dichloropropane	6.42	63	206826	20.613	ug/l	98
46) Dibromomethane	6.28	93	123050	21.220	ug/l	95
47) Bromodichloromethane	6.57	83	251849	20.920	ug/l	95
48) Methyl methacrylate	6.90	41	76005	18.841	ug/l	96
49) 1,4-Dioxane	6.89	88	21806	422.045	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	542450	102.825	ug/l	99
52) Toluene	7.79	92	449561	21.566	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	208148	21.134	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	299744	21.741	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	141846	22.982	ug/l	96
56) Ethyl methacrylate	8.77	69	147907	20.114	ug/l	97
57) 1,3-Dichloropropane	9.01	76	229876	21.866	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	248903	103.990	ug/l	98
59) 2-Hexanone	9.64	43	394084	104.437	ug/l	99
60) Dibromochloromethane	8.88	129	180892	22.487	ug/l	98
61) 1,2-Dibromoethane	9.14	107	144064	21.975	ug/l	96
64) Tetrachloroethene	8.33	164	179927	21.311	ug/l	97
65) Chlorobenzene	9.94	112	457581	21.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	187905	22.361	ug/l	95
67) Ethyl Benzene	10.04	91	823361	22.642	ug/l	96
68) m/p-Xylenes	10.27	106	604777	44.251	ug/l	86
69) o-Xylene	10.83	106	315516	22.413	ug/l	100
70) Styrene	10.90	104	448345	20.954	ug/l	98
71) Bromoform	10.89	173	95400	22.668	ug/l #	98
73) Isopropylbenzene	11.22	105	820831	21.980	ug/l	94
74) N-amyl acetate	11.46	43	234036	21.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	167774	21.984	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	112070	22.349	ug/l	85
77) Bromobenzene	11.59	156	196890	21.211	ug/l	97
78) n-propylbenzene	11.68	91	988575	22.368	ug/l	94
79) 2-Chlorotoluene	11.81	91	546356	21.936	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	657639	21.962	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	58052	26.044	ug/l	98
82) 4-Chlorotoluene	11.98	91	538378	21.920	ug/l	100
83) tert-Butylbenzene	12.20	119	680154	22.388	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	637809	22.007	ug/l	99
85) sec-Butylbenzene	12.38	105	870583	21.353	ug/l	98
86) p-Isopropyltoluene	12.53	119	759877	22.116	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	362876	21.608	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	340816	21.626	ug/l	98
89) n-Butylbenzene	12.90	91	769946	22.728	ug/l	91
90) Hexachloroethane	12.98	117	177886	21.582	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	326357	21.801	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	20480	22.495	ug/l	92

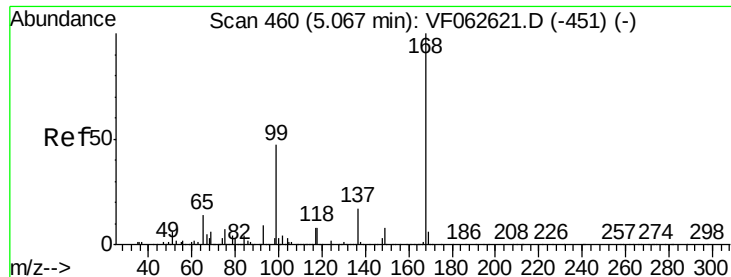
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	236384	22.060	ug/l	96
94) Hexachlorobutadiene	14.23	225	161354	21.577	ug/l	97
95) Naphthalene	14.50	128	393489	20.213	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	215078	21.190	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

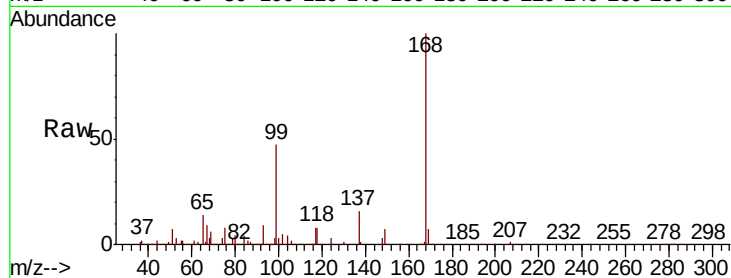
VF0528SBSD01

Tot Ion:168 Resp: 876785

Ion Ratio Lower Upper

168 100

99 46.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

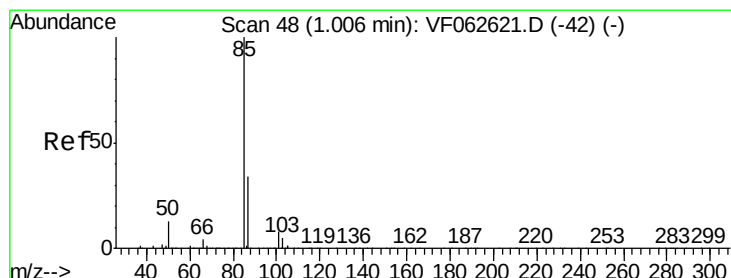
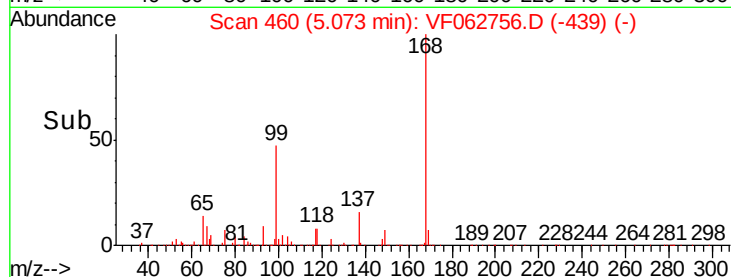
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.925 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062756.D

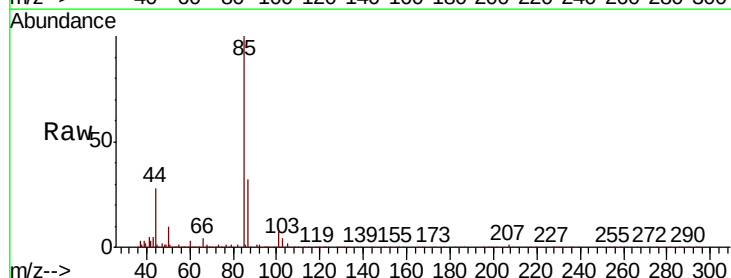
Acq: 28 May 2019 13:05

Tgt Ion: 85 Resp: 201950

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

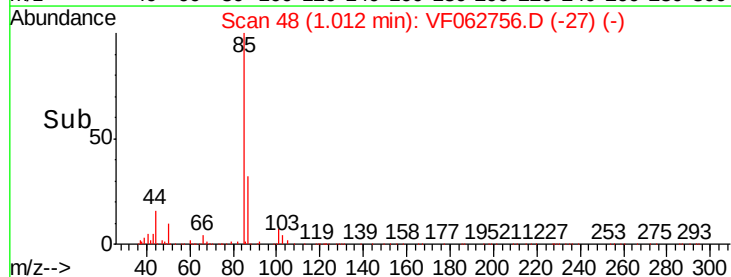
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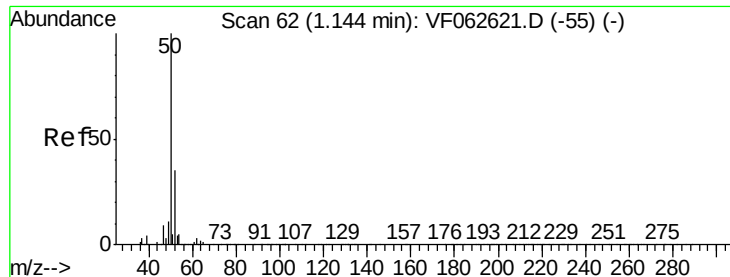
40000

20000

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Time-->





#3

Chloromethane

Concen: 15.666 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

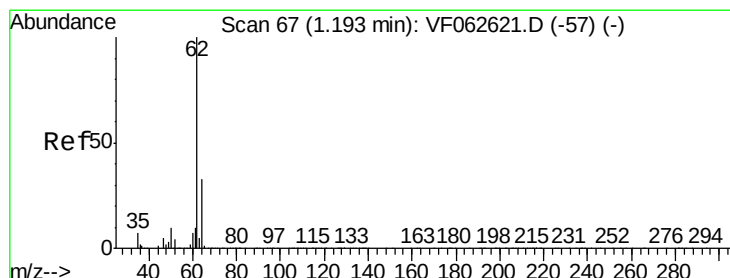
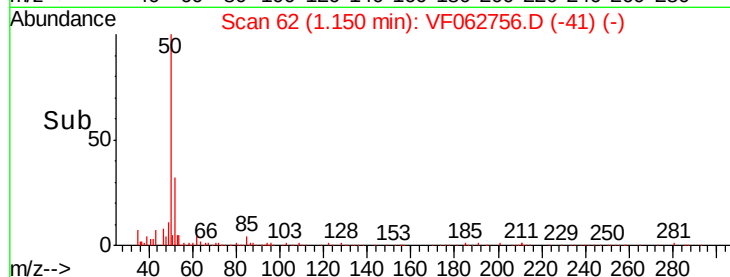
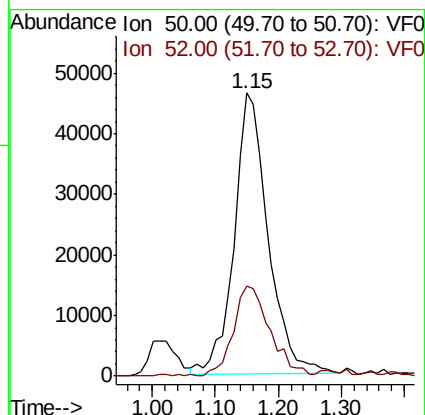
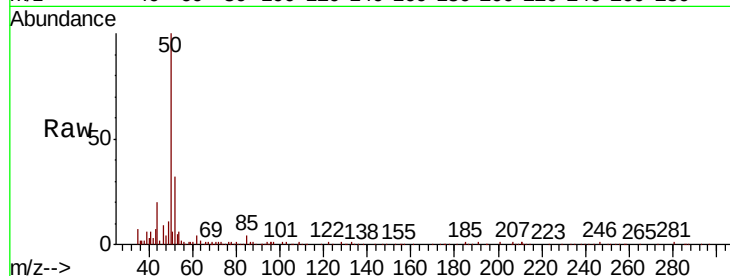
VF0528SBSD01

Tot Ion: 50 Resp: 172118

Ion Ratio Lower Upper

50 100

52 31.8 27.5 41.3



#4

Vinyl Chloride

Concen: 15.043 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062756.D

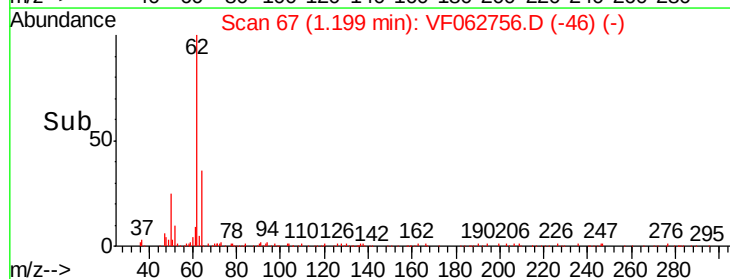
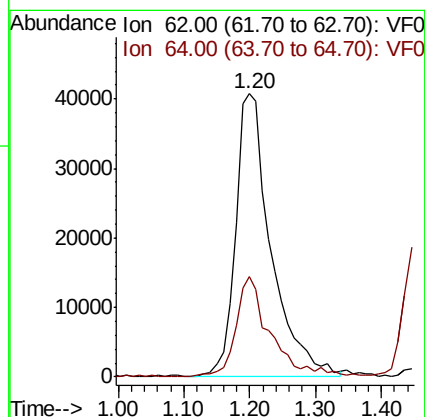
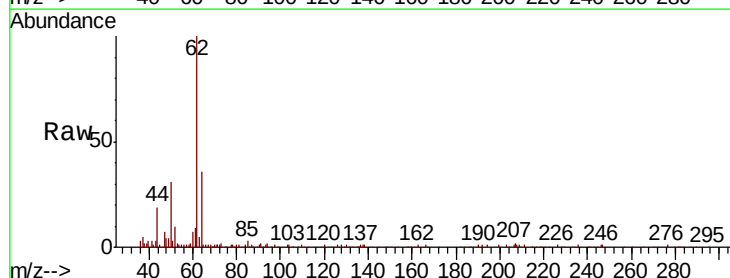
Acq: 28 May 2019 13:05

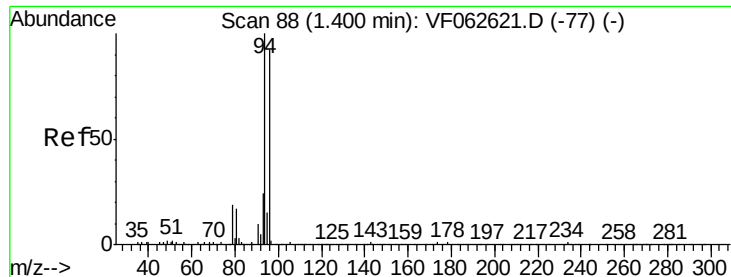
Tgt Ion: 62 Resp: 152130

Ion Ratio Lower Upper

62 100

64 35.6 26.7 40.1





#5

Bromomethane

Concen: 16.334 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

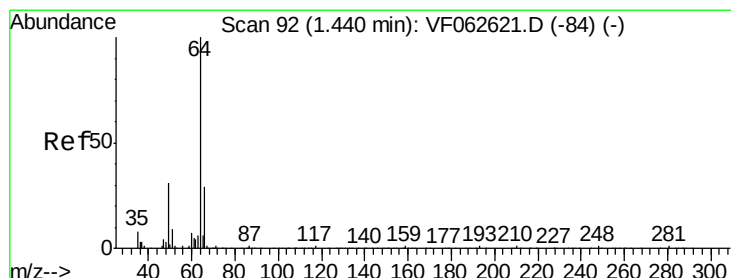
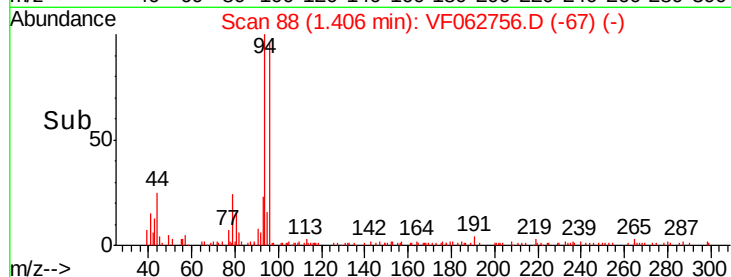
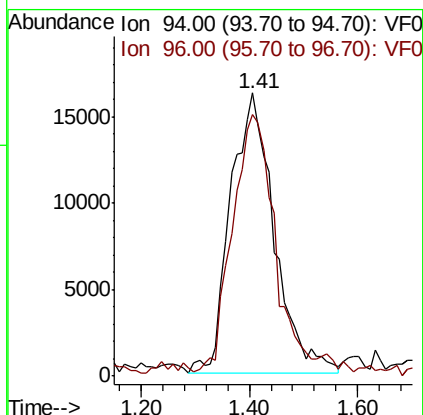
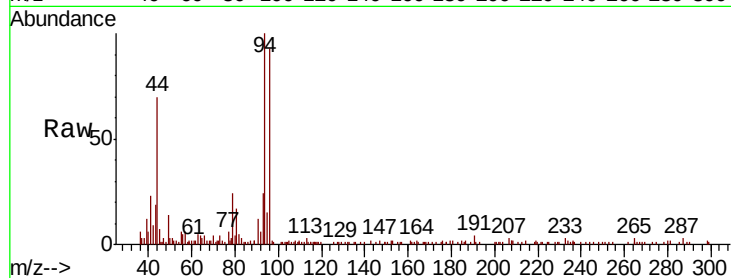
VF0528SBSD01

Tot Ion: 94 Resp: 90367

Ion Ratio Lower Upper

94 100

96 92.6 73.2 109.8



#6

Chloroethane

Concen: 14.833 ug/l

RT: 1.45 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062756.D

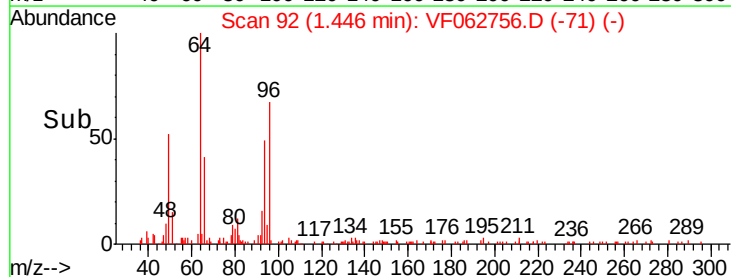
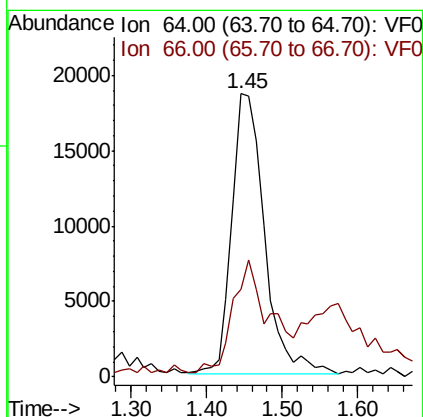
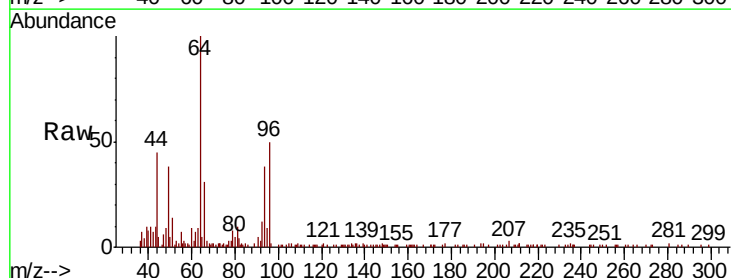
Acq: 28 May 2019 13:05

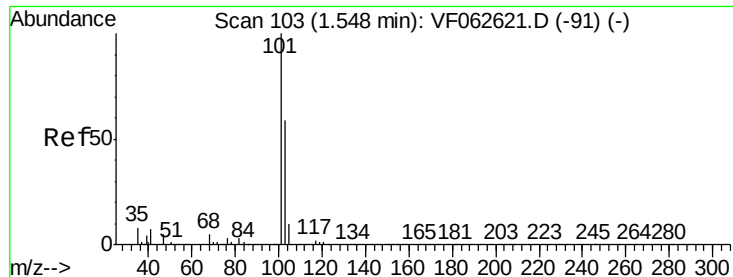
Tgt Ion: 64 Resp: 55092

Ion Ratio Lower Upper

64 100

66 30.9 23.4 35.2



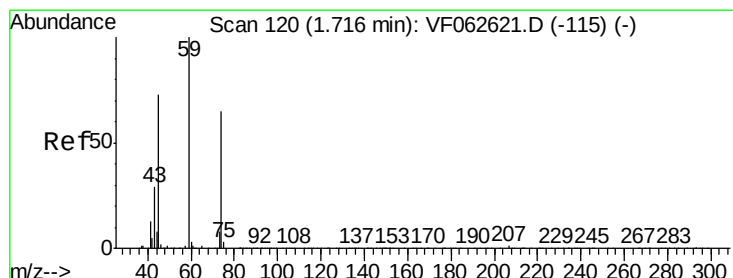
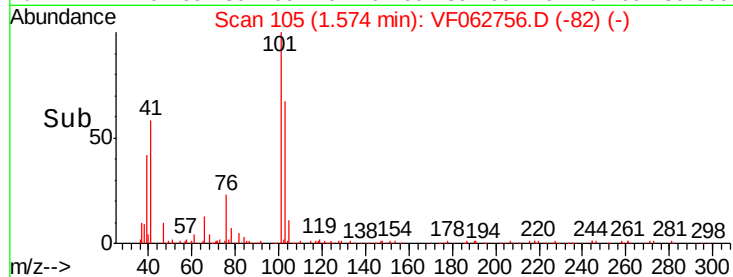
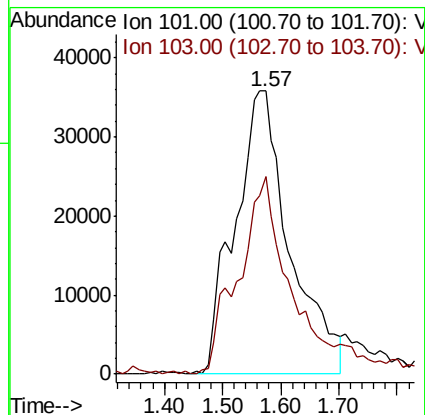
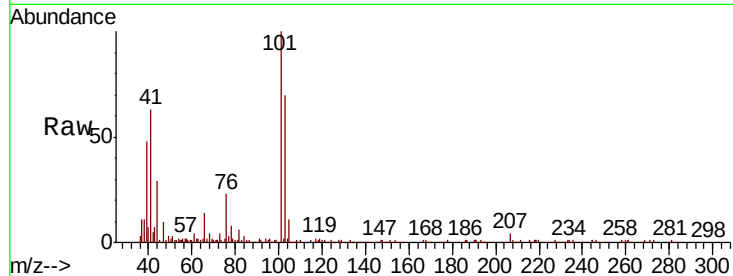


#7

Trichlorofluoromethane
Concen: 17.244 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.03 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

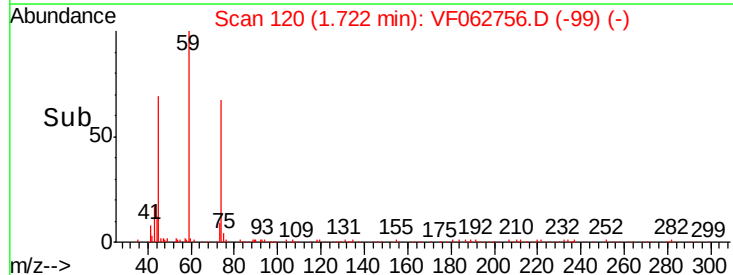
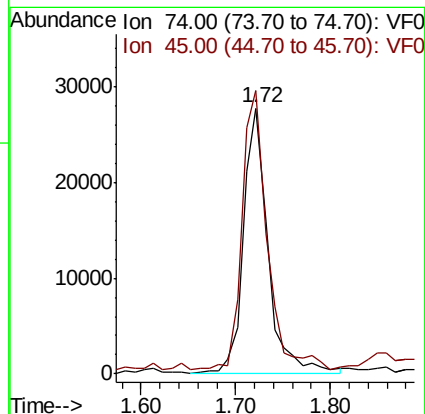
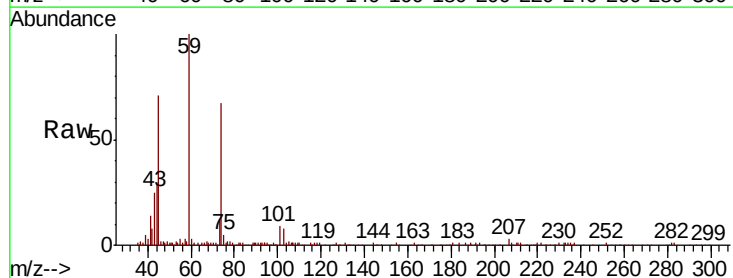
Tot Ion:101 Resp: 234149
Ion Ratio Lower Upper
101 100
103 70.0 47.3 70.9

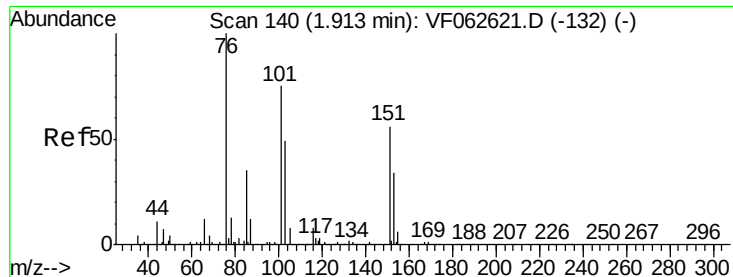


#8

Diethyl Ether
Concen: 18.722 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 74 Resp: 50364
Ion Ratio Lower Upper
74 100
45 106.5 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.128 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

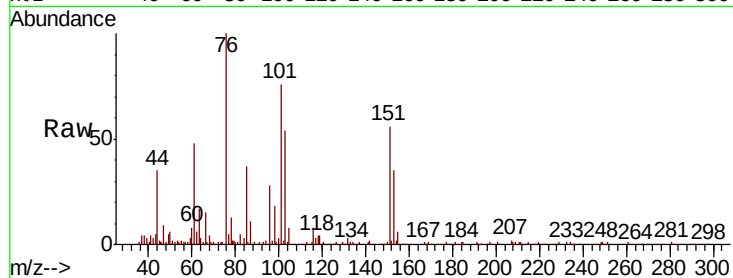
Tot Ion:101 Resp: 148093

Ion Ratio Lower Upper

101 100

85 49.4 37.1 55.7

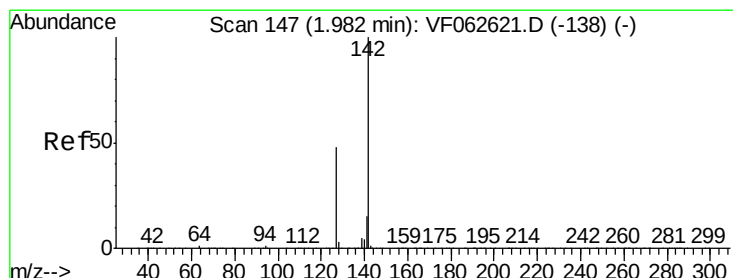
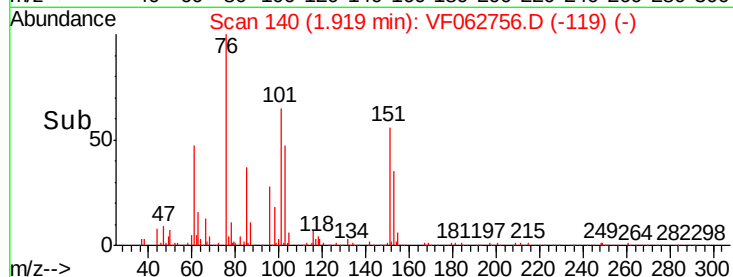
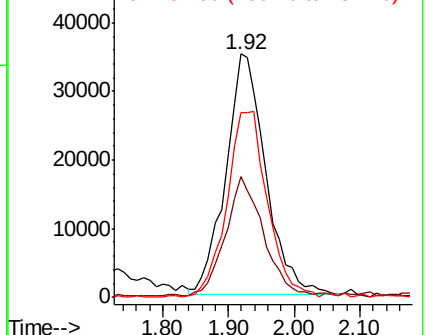
151 75.8 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.911 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

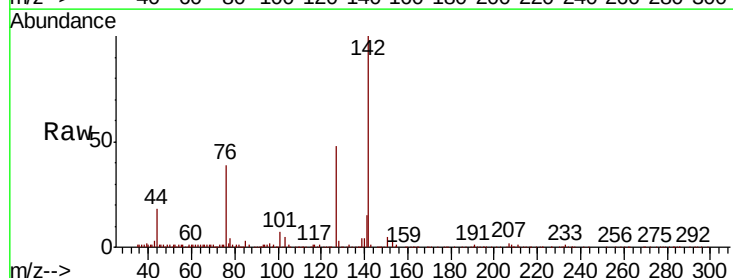
Tgt Ion:142 Resp: 321203

Ion Ratio Lower Upper

142 100

127 48.3 38.1 57.1

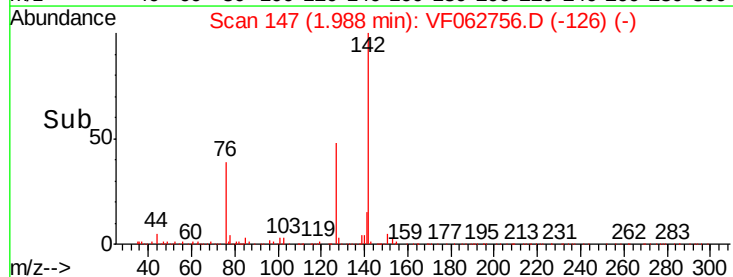
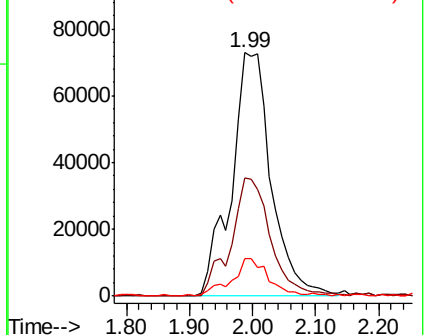
141 15.4 11.7 17.5

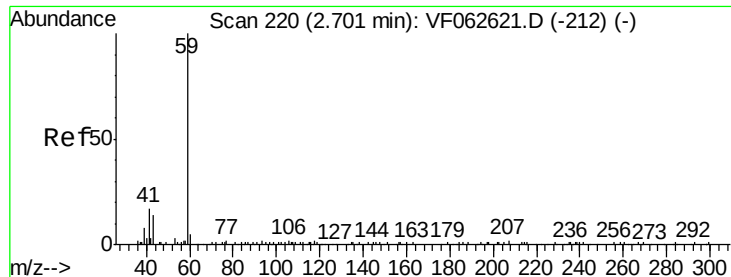


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



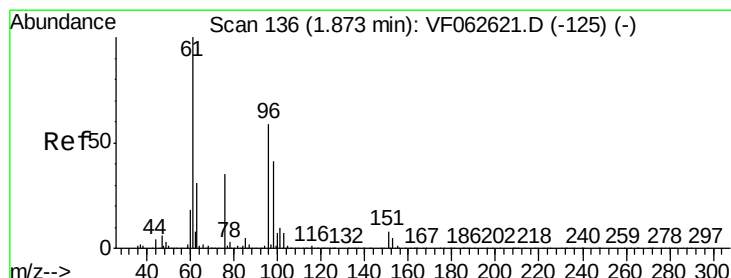
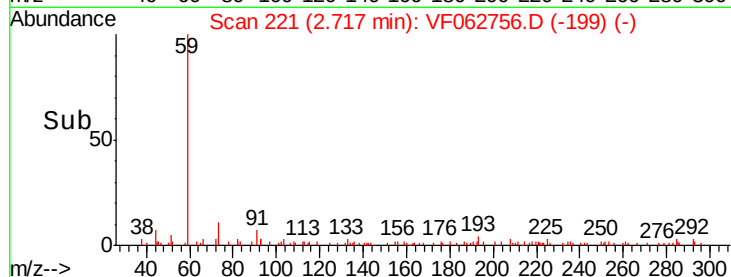
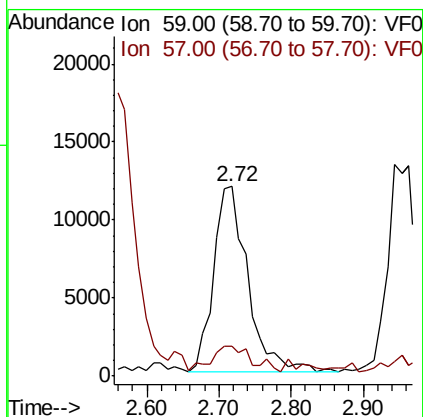
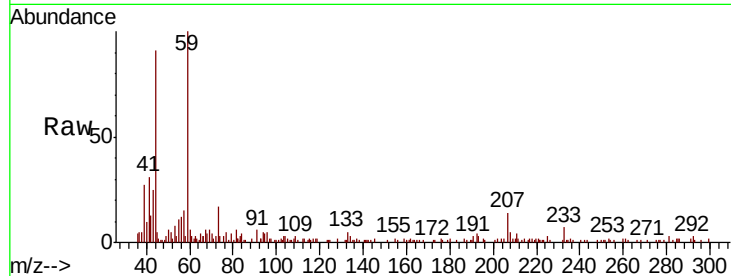


#11

Tert butyl alcohol
 Concen: 94.922 ug/l
 RT: 2.72 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

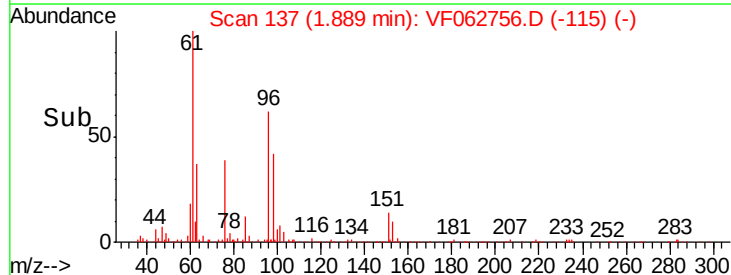
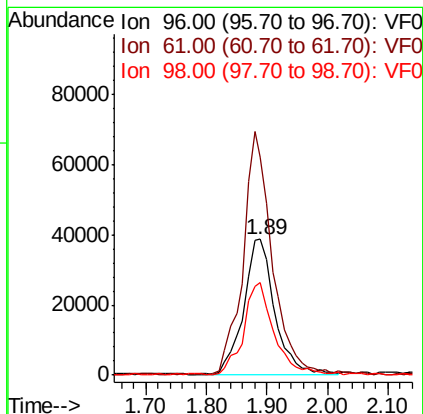
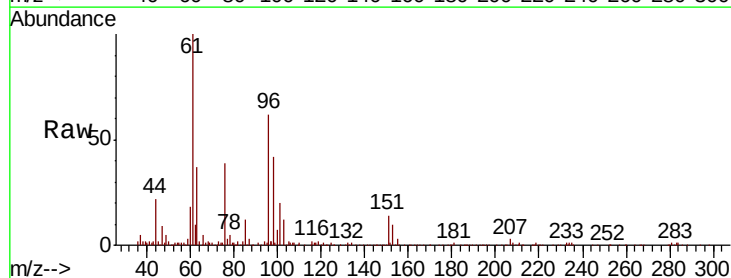
Tot Ion: 59 Resp: 38828
 Ion Ratio Lower Upper
 59 100
 57 15.5 9.3 13.9#

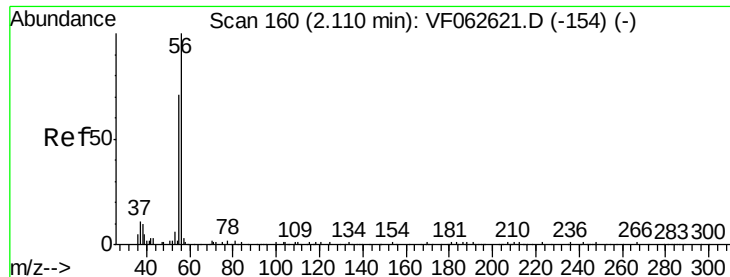


#12

1,1-Dichloroethene
 Concen: 17.490 ug/l
 RT: 1.89 min Scan# 137
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion: 96 Resp: 137755
 Ion Ratio Lower Upper
 96 100
 61 156.8 134.3 201.5
 98 66.4 55.0 82.6

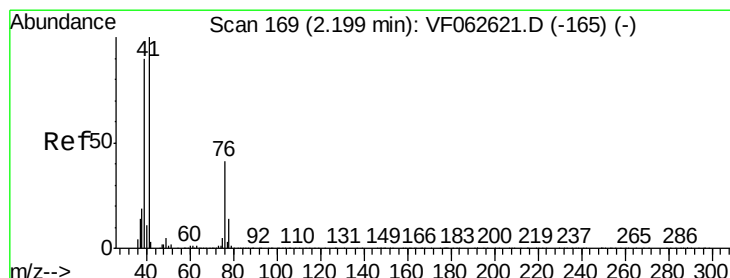
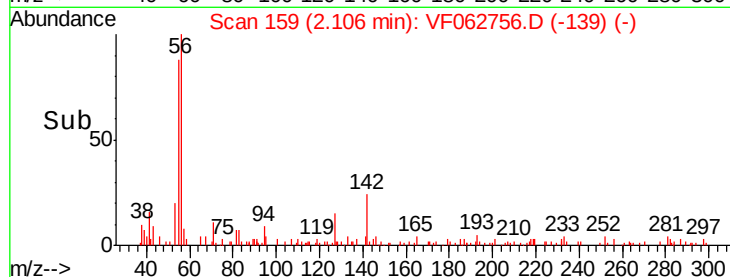
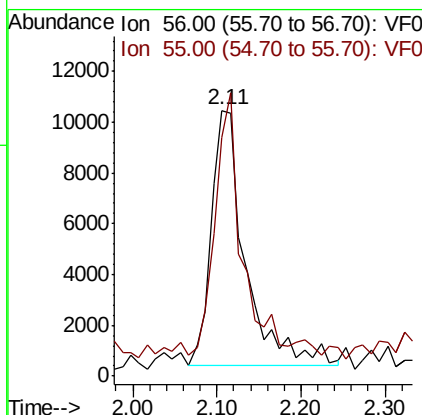
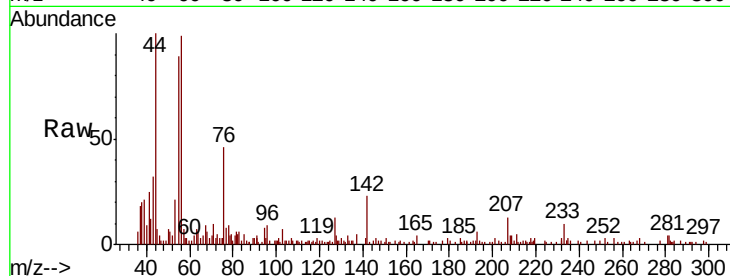




#13
Acrolein
Concen: 65.889 ug/l
RT: 2.11 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

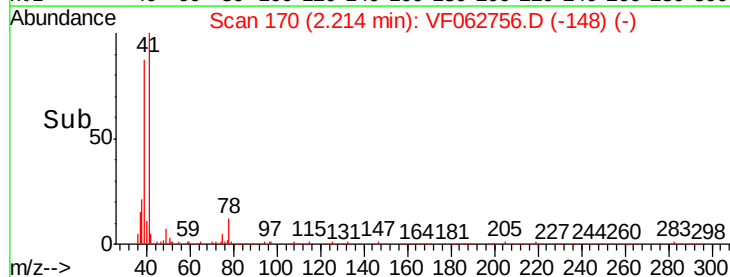
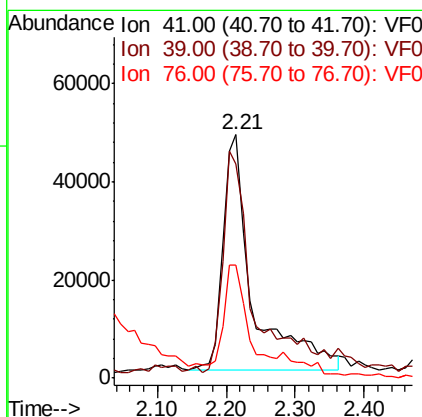
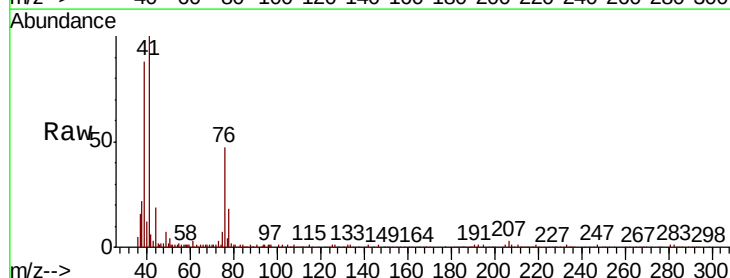
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

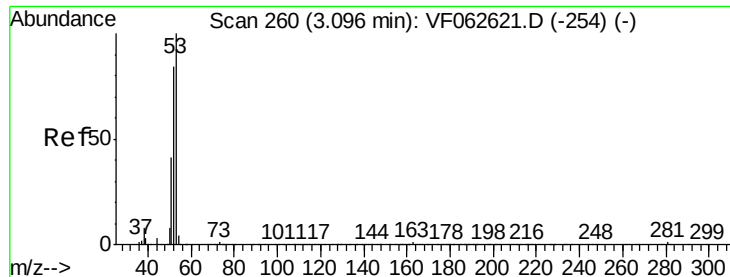
Tot Ion: 56 Resp: 28134
Ion Ratio Lower Upper
56 100
55 89.8 59.4 89.0#



#14
Allyl chloride
Concen: 20.213 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 41 Resp: 144091
Ion Ratio Lower Upper
41 100
39 88.1 72.0 108.0
76 46.6 34.8 52.2





#15

Acrylonitrile

Concen: 93.939 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

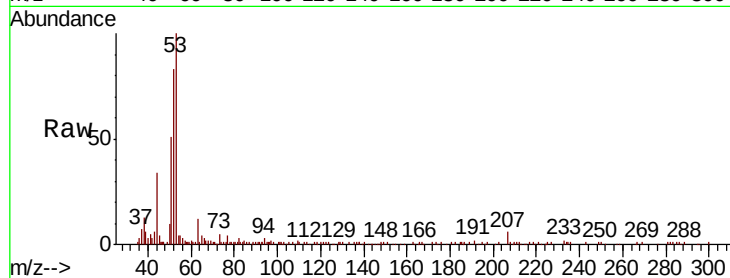
Tot Ion: 53 Resp: 108393

Ion Ratio Lower Upper

53 100

52 82.7 67.3 100.9

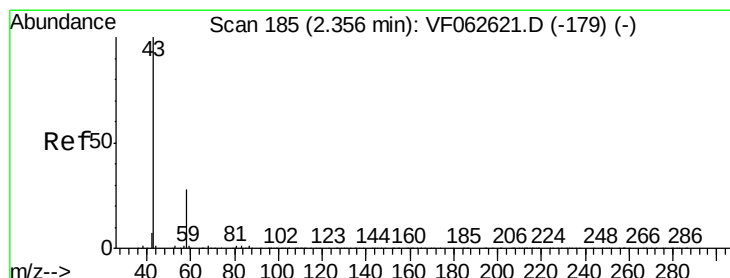
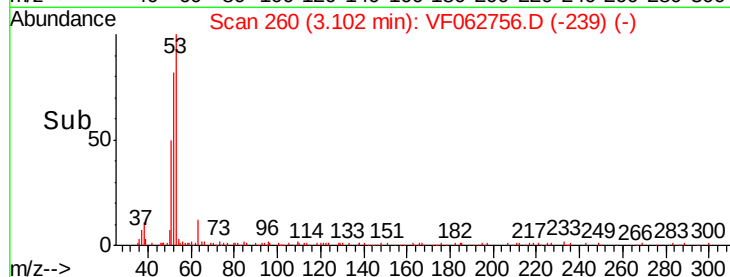
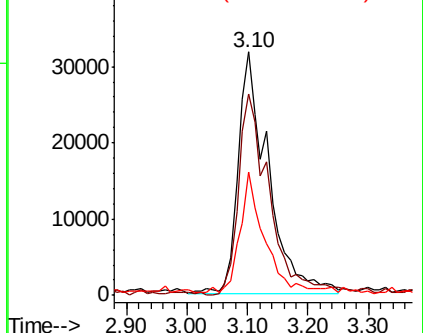
51 50.8 33.0 49.6#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 75.085 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062756.D

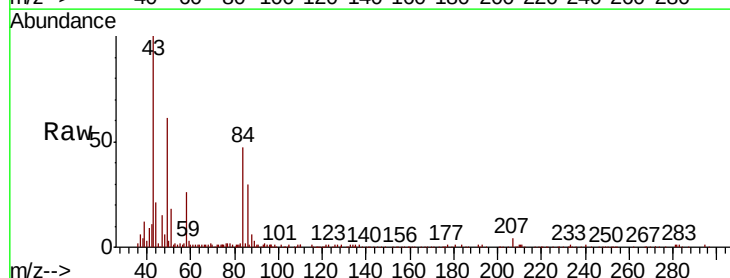
Acq: 28 May 2019 13:05

Tgt Ion: 43 Resp: 120691

Ion Ratio Lower Upper

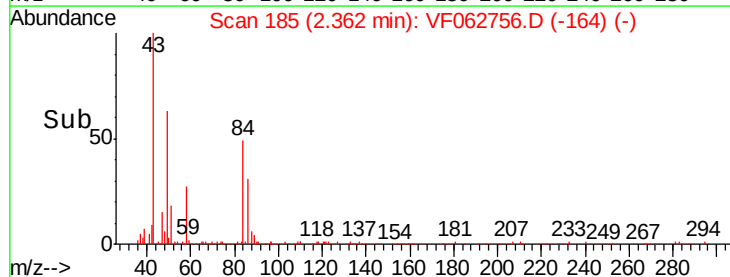
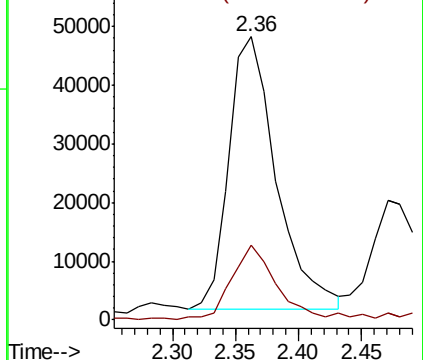
43 100

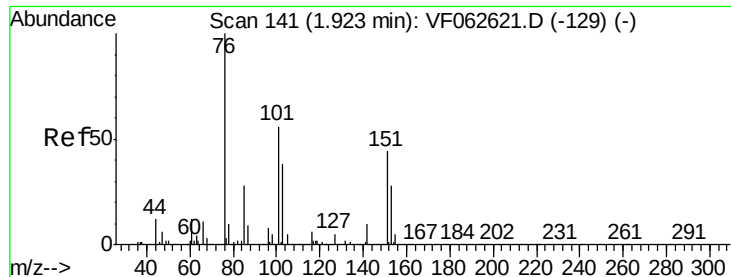
58 26.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

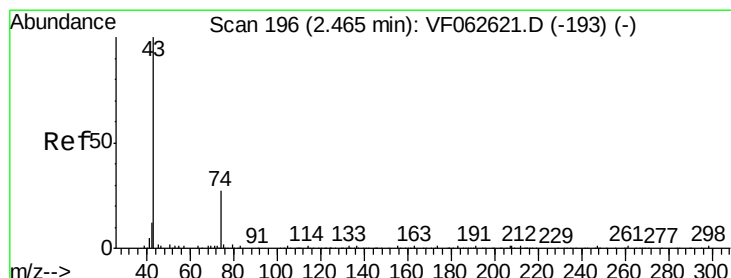
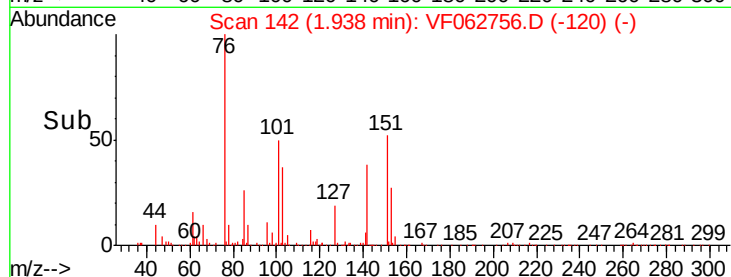
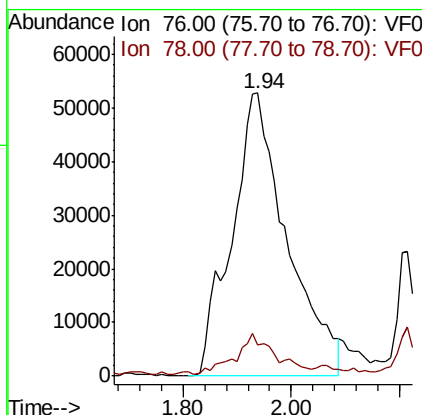
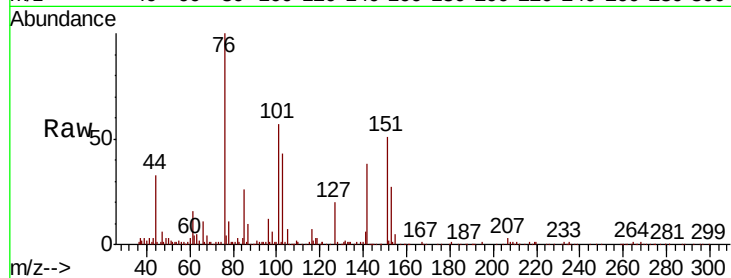




#17
Carbon Disulfide
Concen: 16.078 ug/l
RT: 1.94 min Scan# 142
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

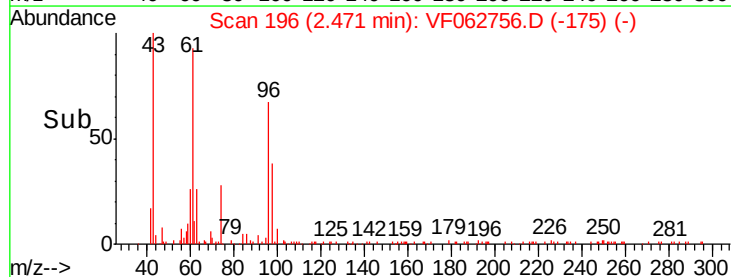
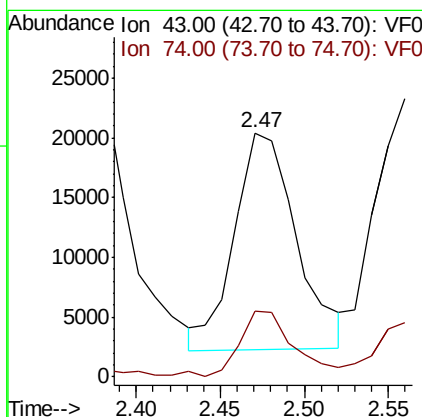
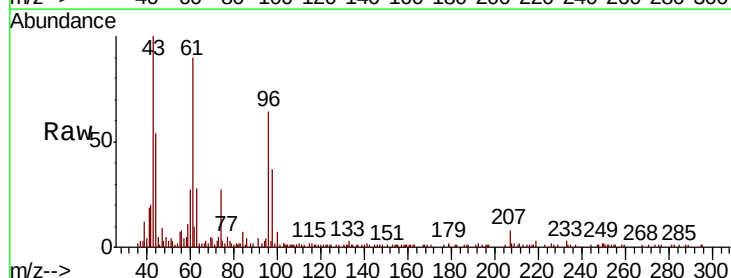
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

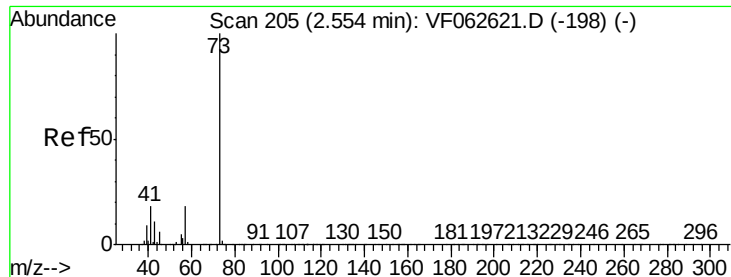
Tot Ion: 76 Resp: 375342
Ion Ratio Lower Upper
76 100
78 11.0 8.4 12.6



#18
Methyl Acetate
Concen: 18.483 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 43 Resp: 46686
Ion Ratio Lower Upper
43 100
74 27.2 18.9 28.3



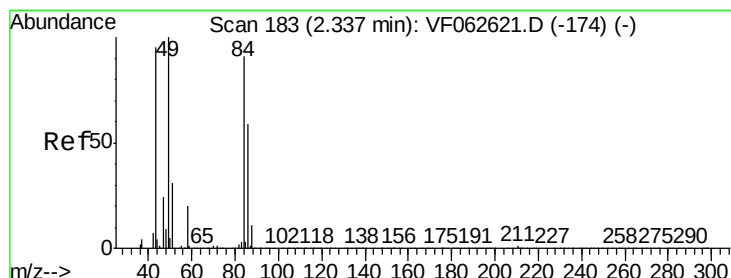
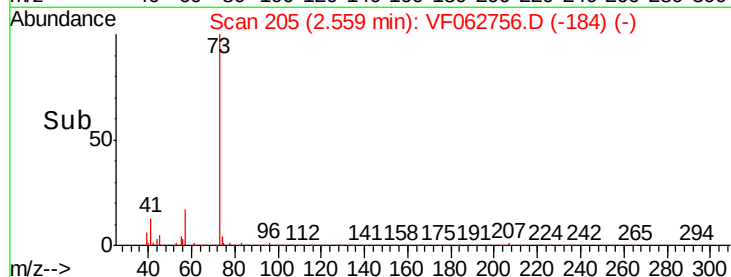
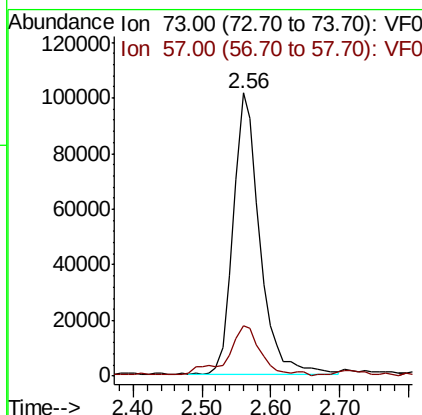
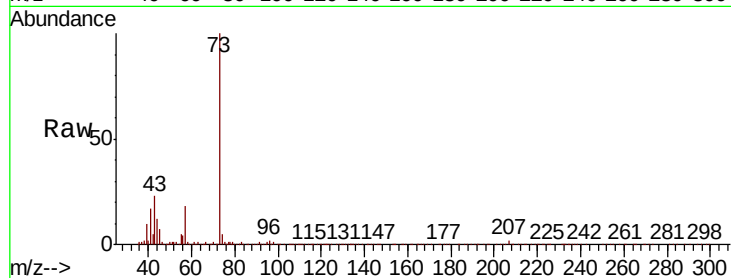


#19

Methyl tert-butyl Ether
 Concen: 19.085 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

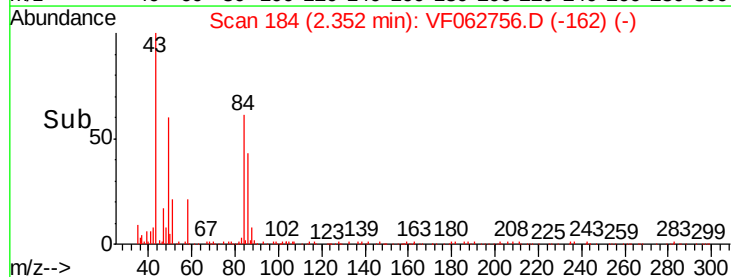
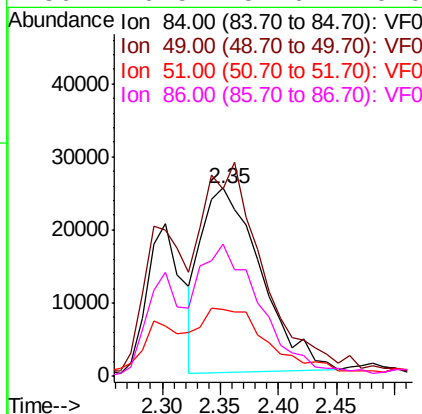
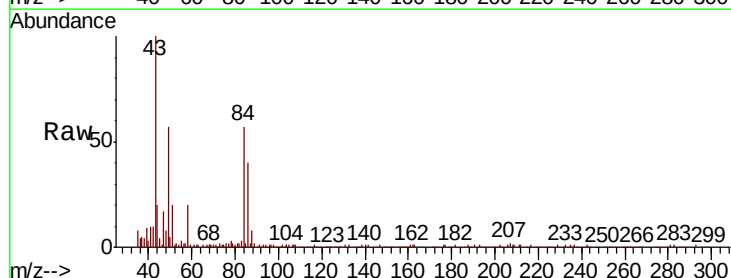
Tot Ion: 73 Resp: 268718
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.2 21.4

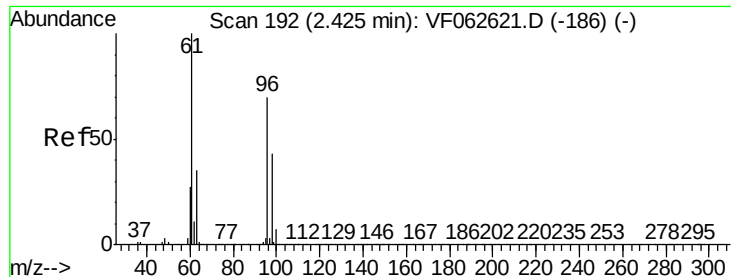


#20

Methylene Chloride
 Concen: 11.150 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion: 84 Resp: 89833
 Ion Ratio Lower Upper
 84 100
 49 99.4 89.8 134.8
 51 35.4 28.4 42.6
 86 70.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.248 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

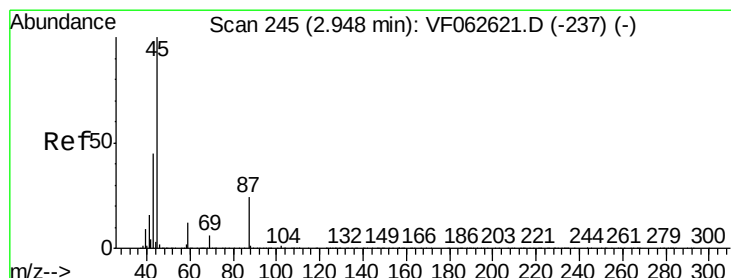
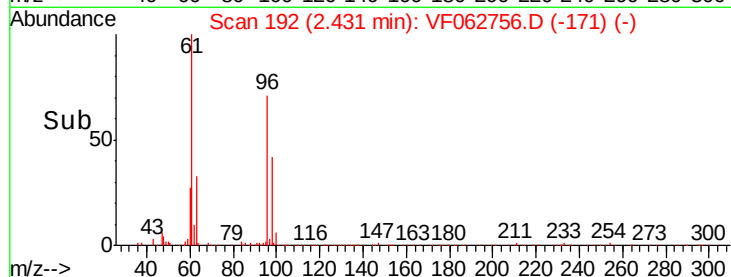
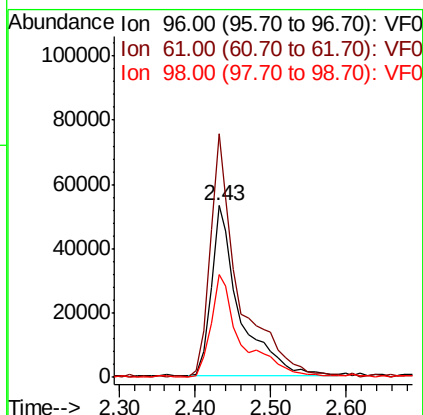
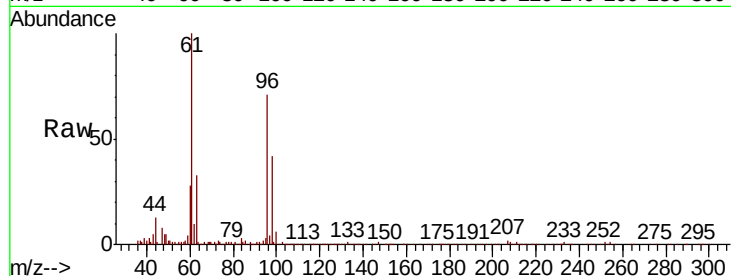
Tot Ion: 96 Resp: 140486

Ion Ratio Lower Upper

96 100

61 141.8 114.6 171.8

98 59.6 49.5 74.3



#22

Diisopropyl ether

Concen: 18.647 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion: 45 Resp: 327847

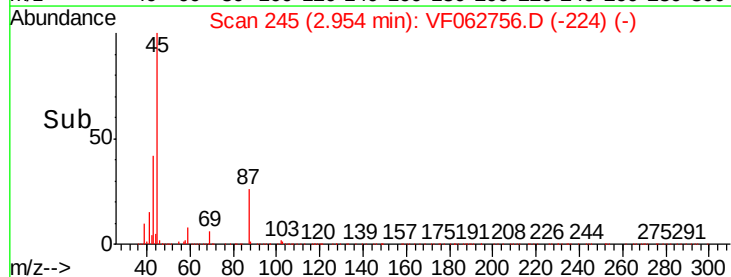
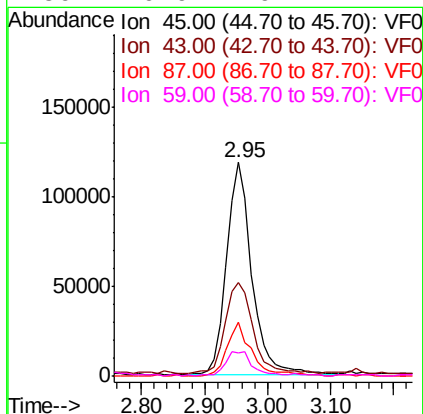
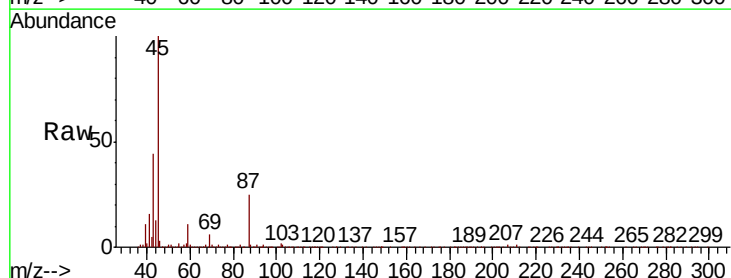
Ion Ratio Lower Upper

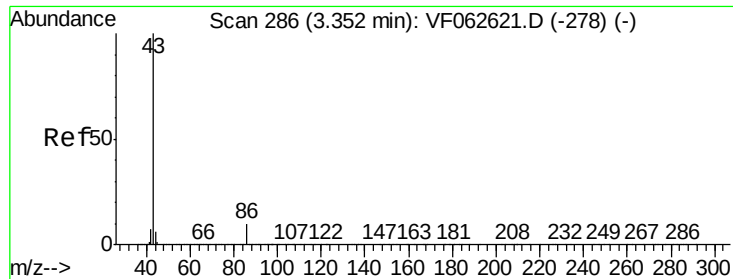
45 100

43 44.0 36.4 54.6

87 25.3 19.3 28.9

59 10.9 9.4 14.2

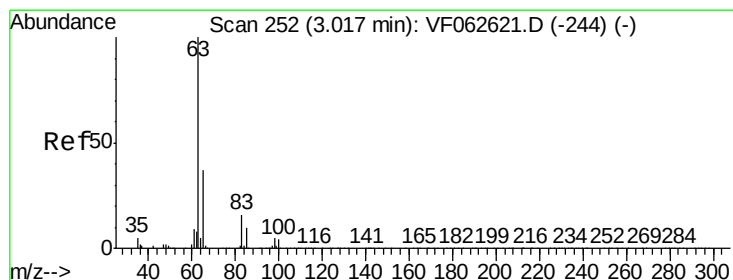
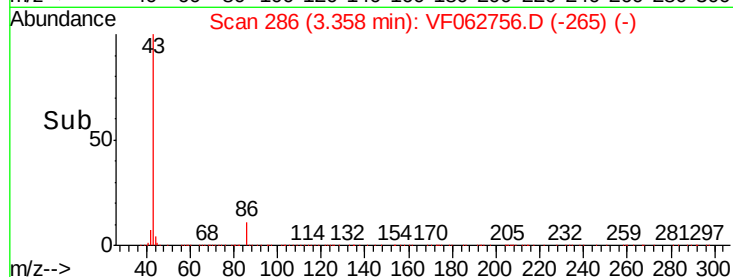
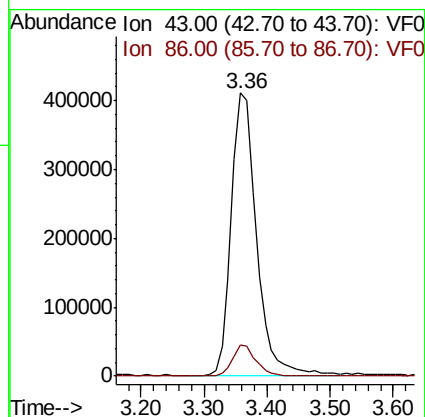
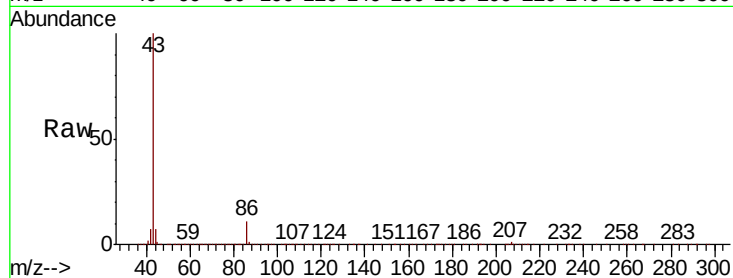




#23
 Vinyl Acetate
 Concen: 95.729 ug/l
 RT: 3.36 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

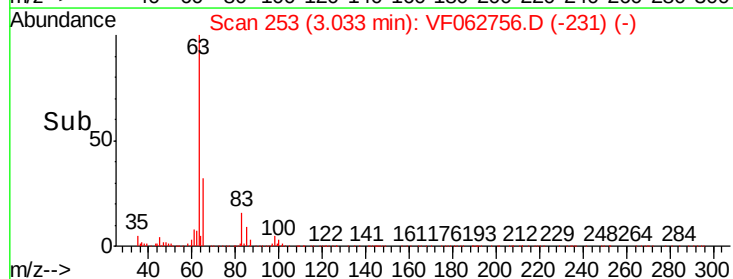
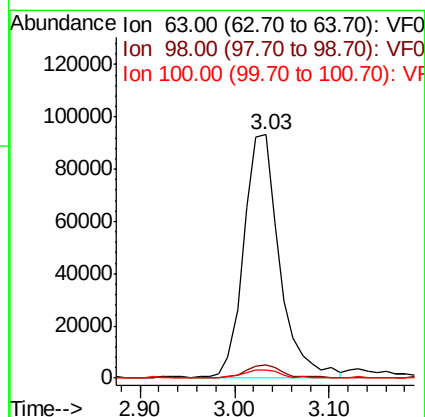
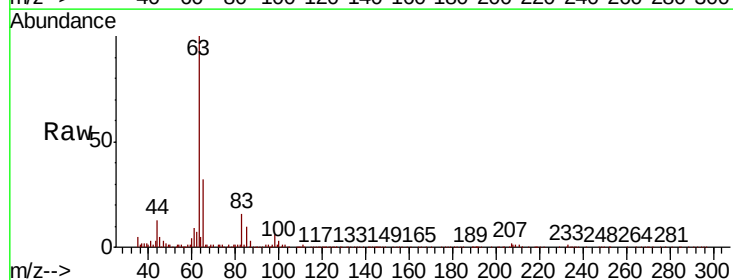
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

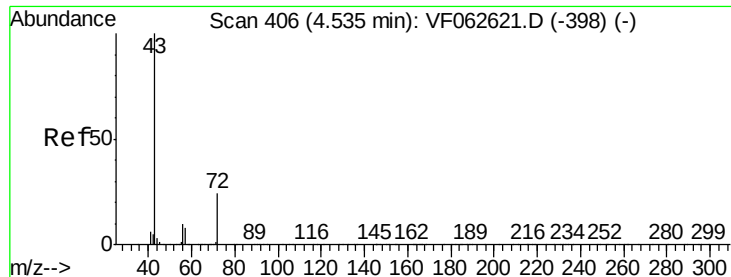
Tot Ion: 43 Resp: 1135371
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 18.748 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion: 63 Resp: 241806
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.3 1.9 5.7





#25

2-Butanone

Concen: 95.098 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

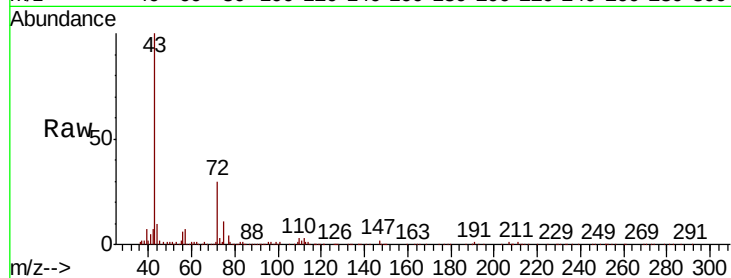
VF0528SBSD01

Tot Ion: 43 Resp: 326584

Ion Ratio Lower Upper

43 100

72 30.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

80000

60000

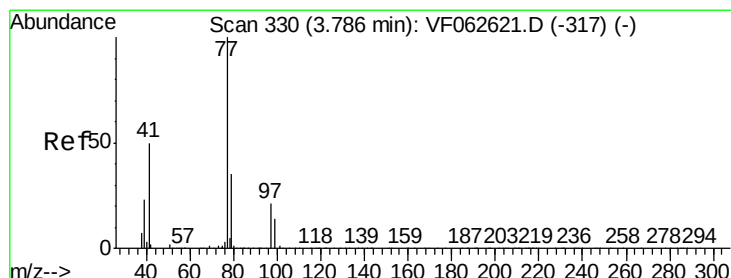
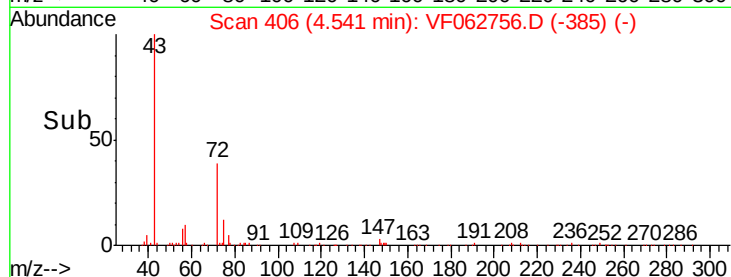
40000

20000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 20.561 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062756.D

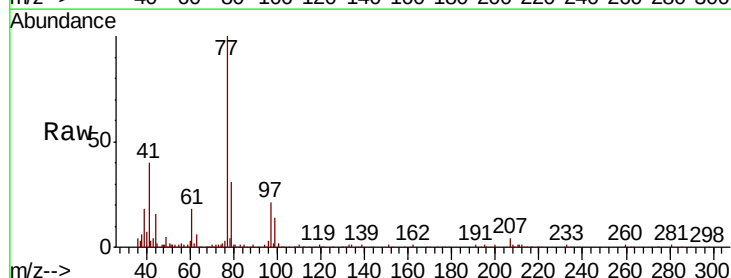
Acq: 28 May 2019 13:05

Tgt Ion: 77 Resp: 151735

Ion Ratio Lower Upper

77 100

97 21.0 14.1 42.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

50000

40000

30000

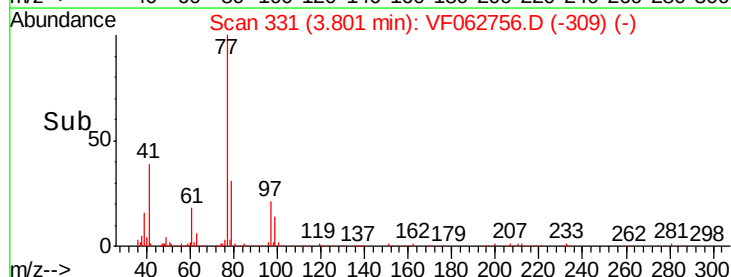
20000

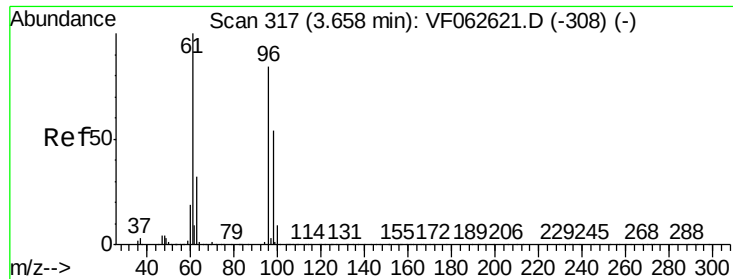
10000

0

3.70 3.80 3.90

Time-->



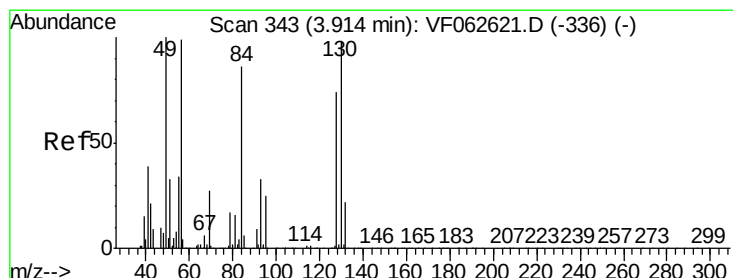
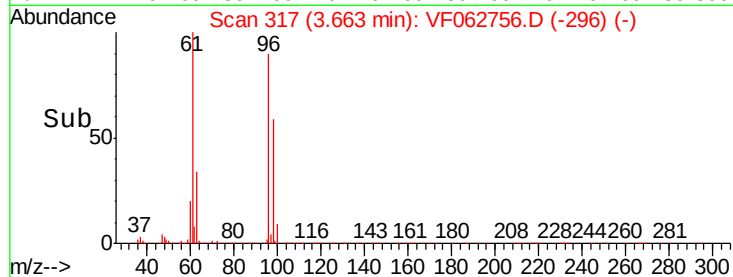
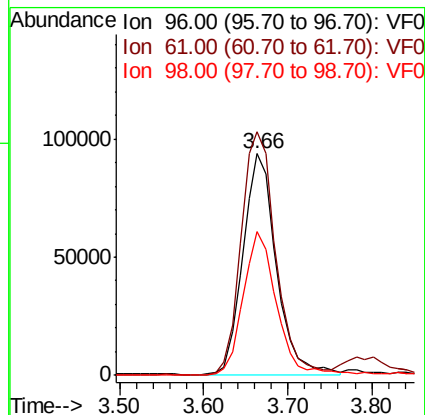
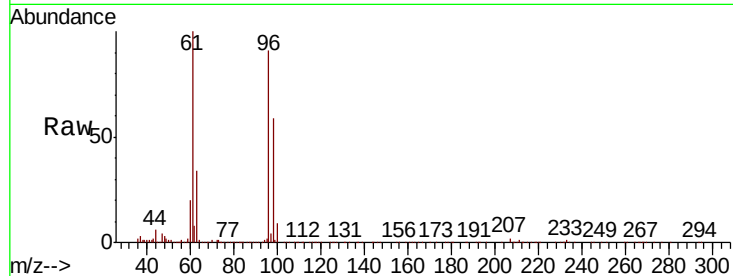


#27

cis-1,2-Dichloroethene
 Concen: 20.355 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

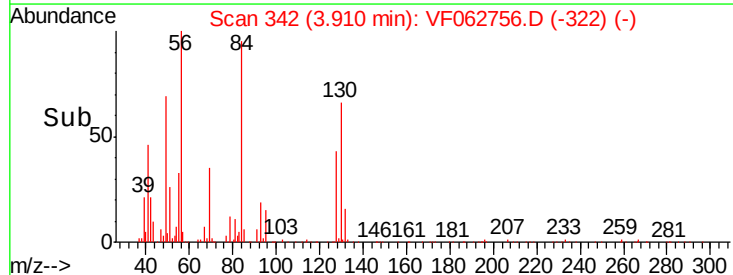
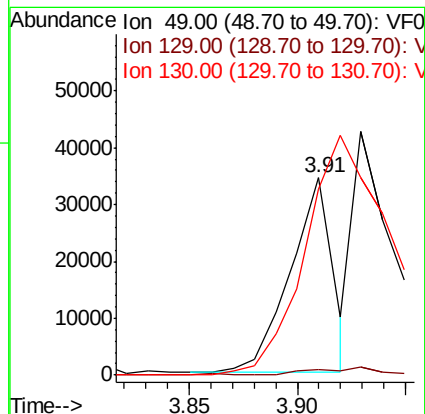
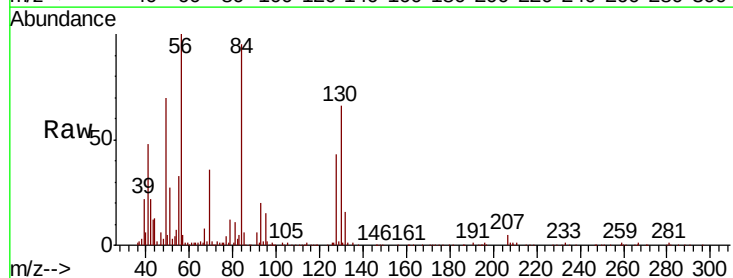
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.0	0.0	237.4
98	65.0	0.0	129.0

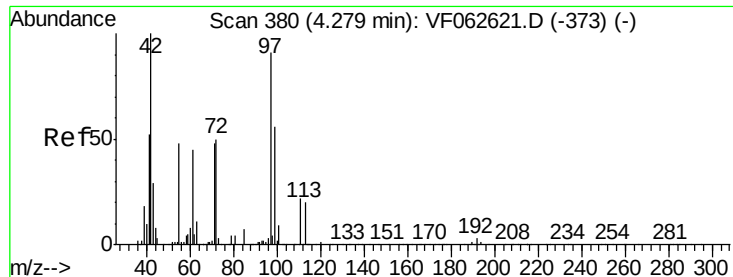


#28

Bromochloromethane
 Concen: 6.430 ug/l
 RT: 3.91 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	94.2	77.8	116.8

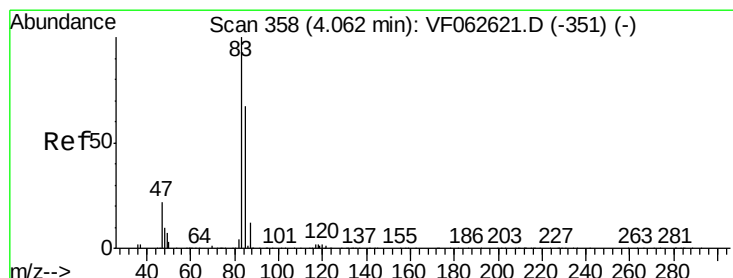
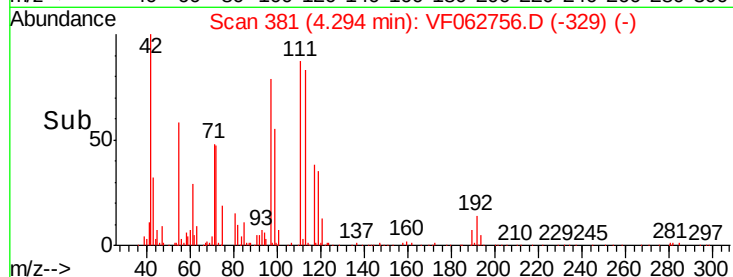
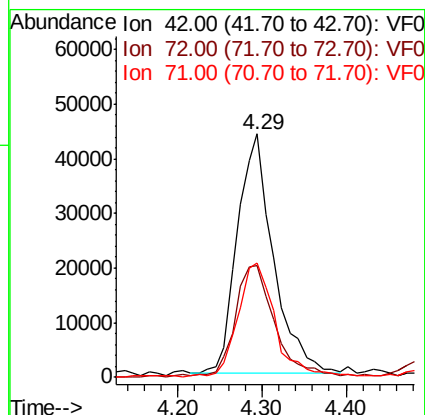
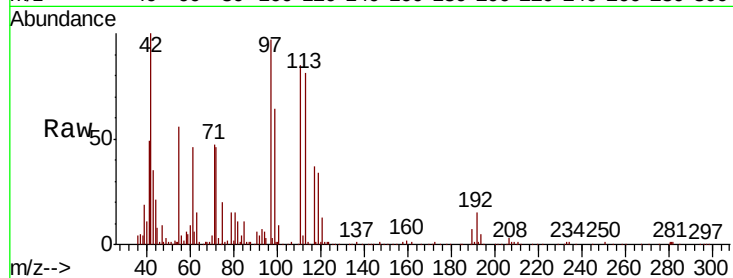




#29
Tetrahydrofuran
Concen: 94.461 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

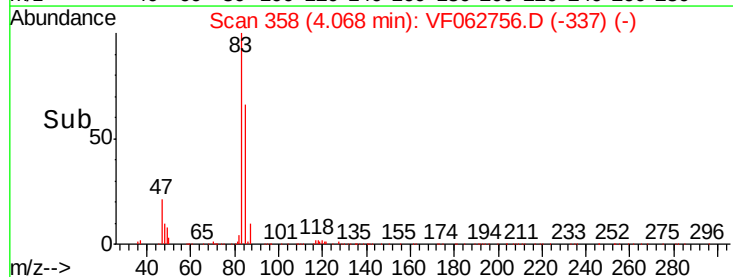
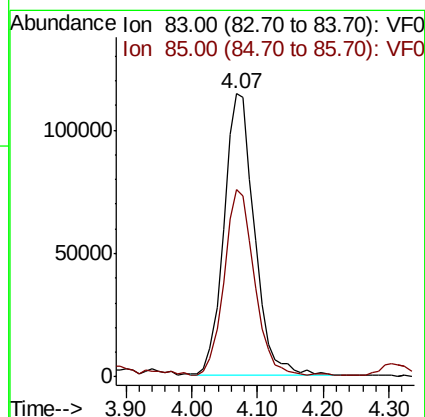
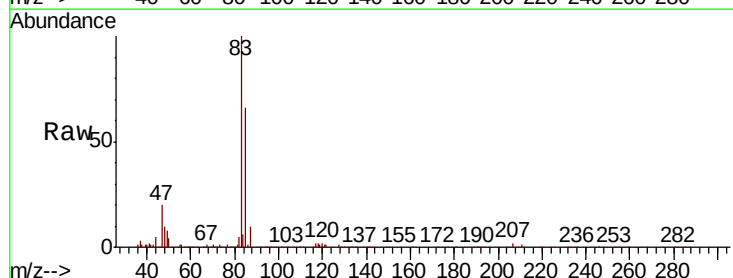
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

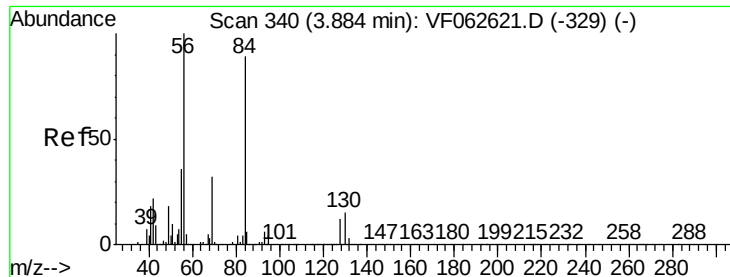
Tot Ion: 42 Resp: 131272
Ion Ratio Lower Upper
42 100
72 49.7 38.2 57.2
71 48.6 35.8 53.6



#30
Chloroform
Concen: 20.577 ug/l
RT: 4.07 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 83 Resp: 368480
Ion Ratio Lower Upper
83 100
85 66.4 53.6 80.4

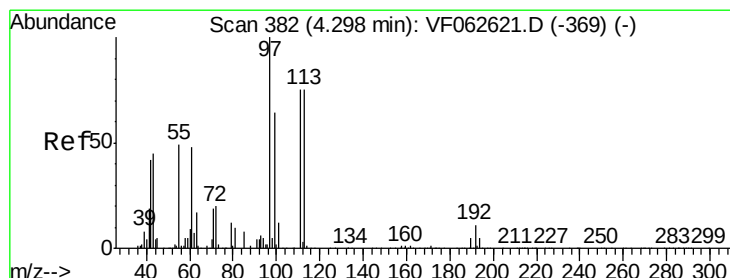
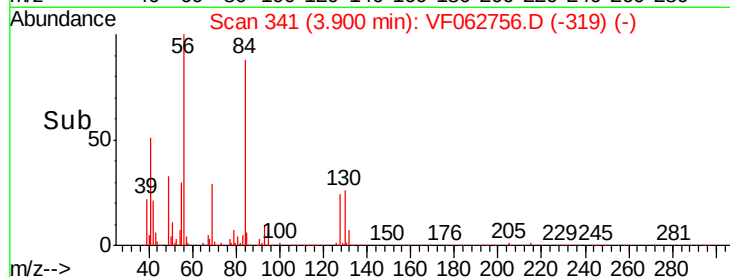
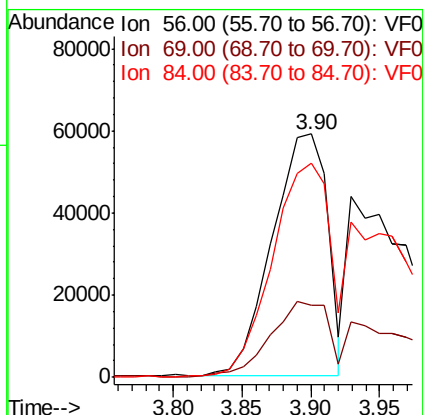
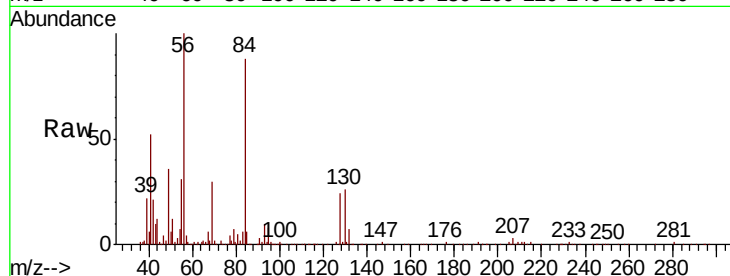




#31
Cyclohexane
Concen: 9.505 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

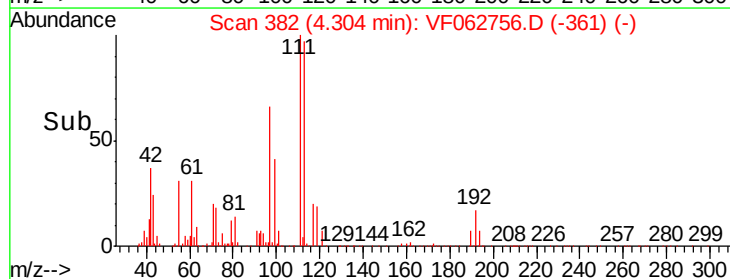
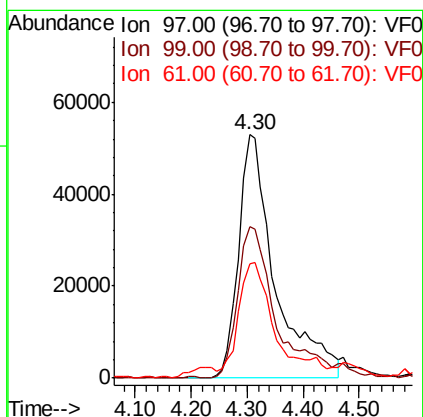
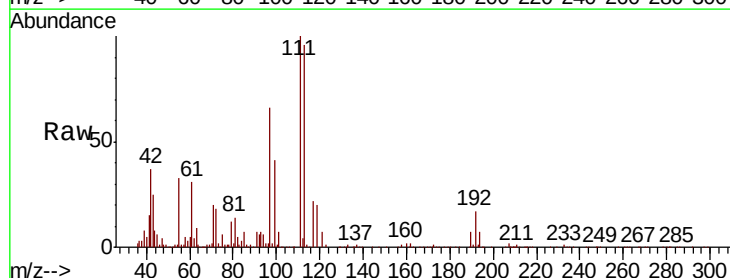
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

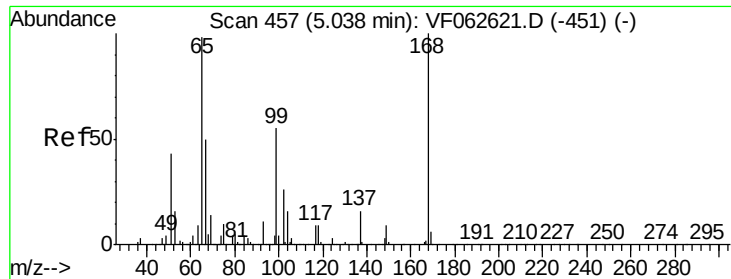
Tot Ion	56	Resp	164615
Ion Ratio	Lower	Upper	
56	100		
69	29.5	25.3	37.9
84	88.0	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 20.231 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	97	Resp	240606
Ion Ratio	Lower	Upper	
97	100		
99	62.3	51.3	76.9
61	47.0	38.2	57.2

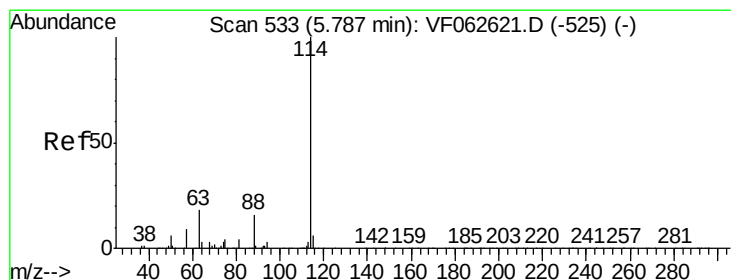
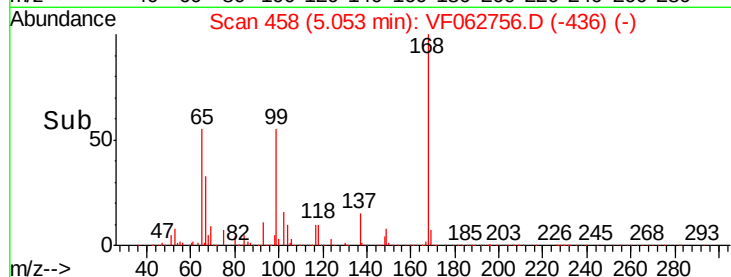
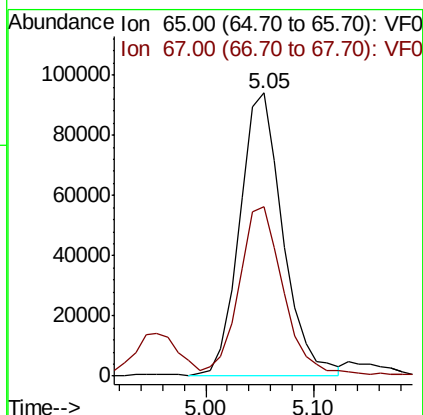
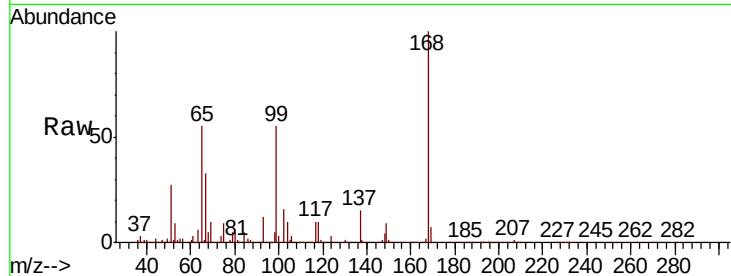




#33
 1,2-Dichloroethane-d4
 Concen: 41.978 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

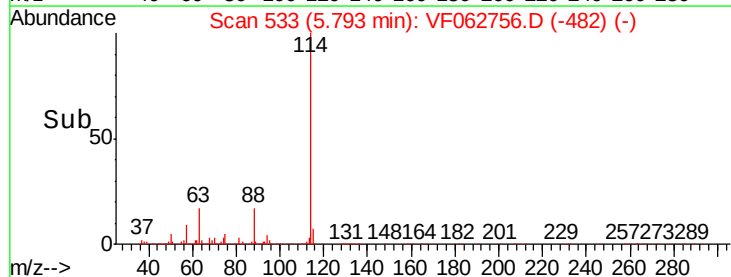
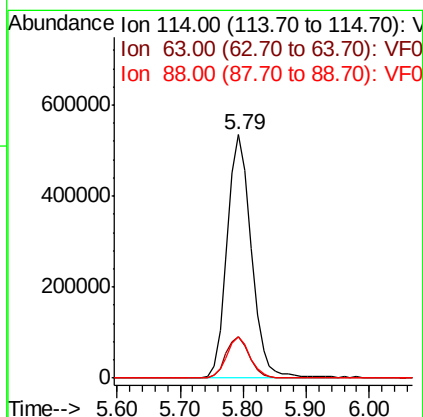
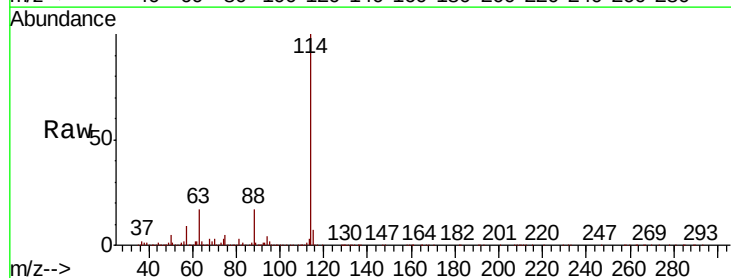
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

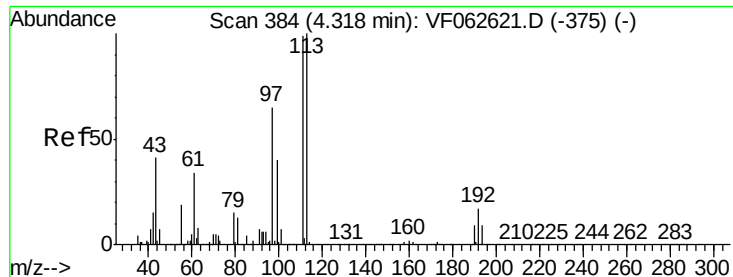
Tot Ion: 65 Resp: 260090
 Ion Ratio Lower Upper
 65 100
 67 59.9 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion: 114 Resp: 1423887
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.4
 88 16.9 0.0 32.4

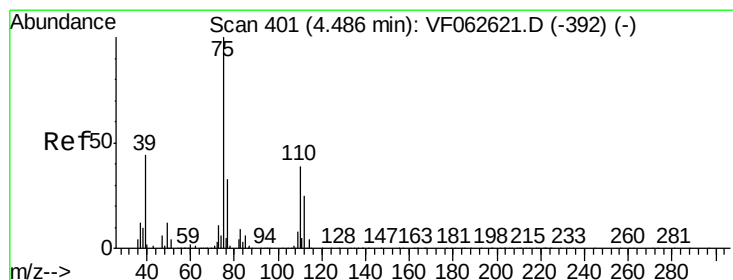
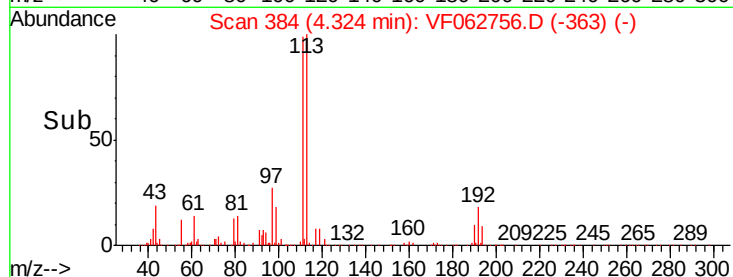
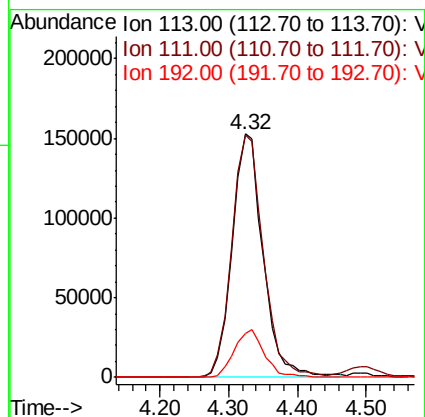
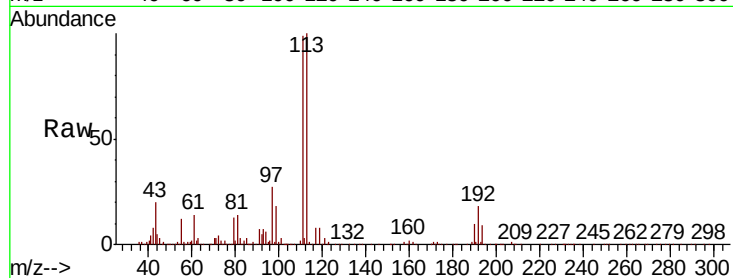




#35
Dibromofluoromethane
Concen: 43.448 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

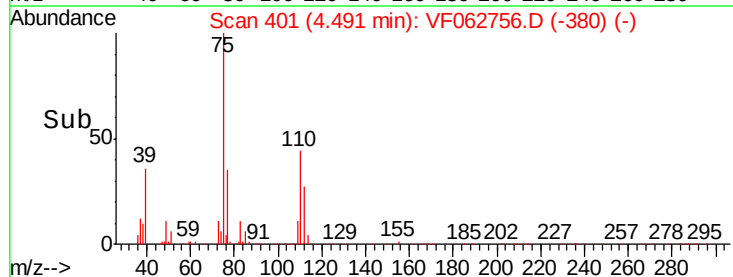
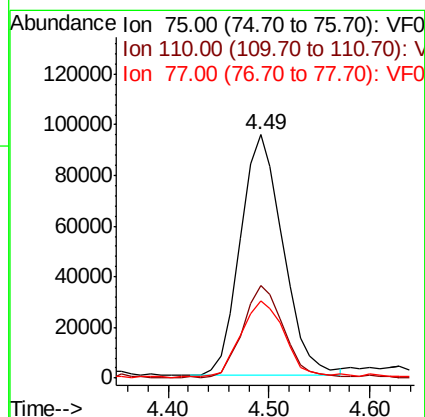
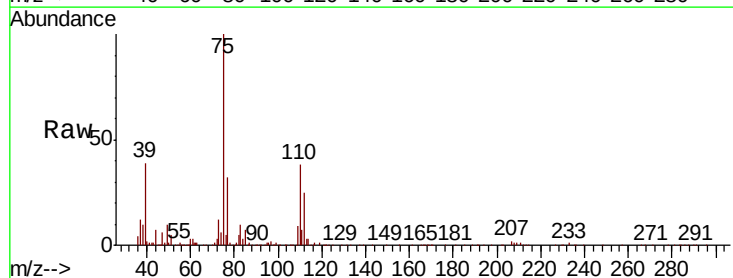
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

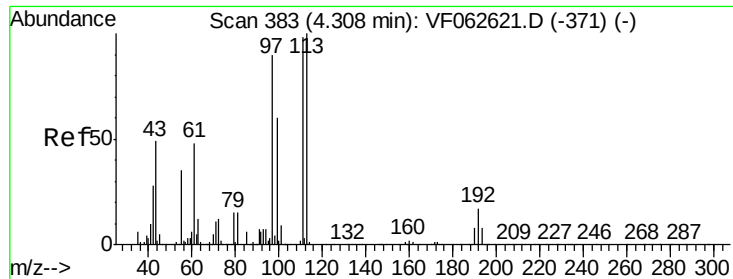
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	79.4	119.2
192	17.8	13.4	20.2



#36
1,1-Dichloropropene
Concen: 19.234 ug/l
RT: 4.49 min Scan# 401
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.7	59.1
77	31.7	26.3	39.5

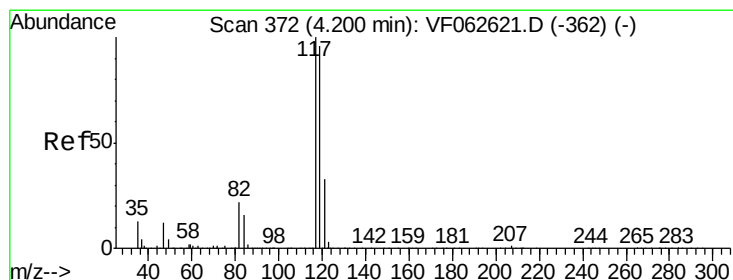
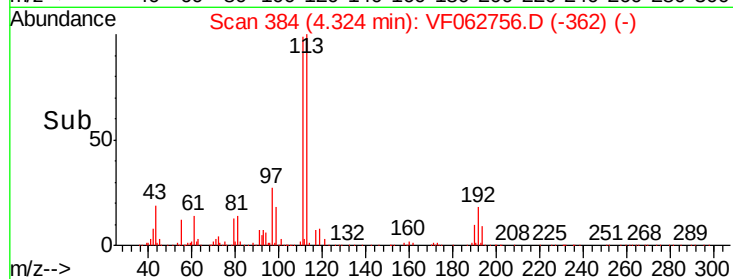
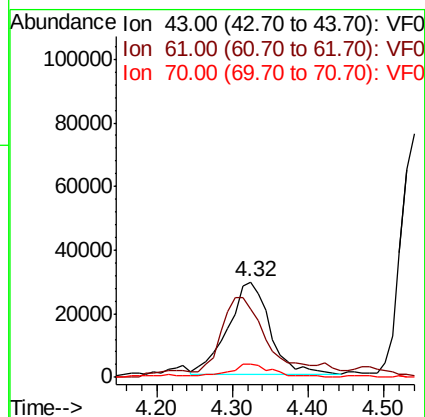
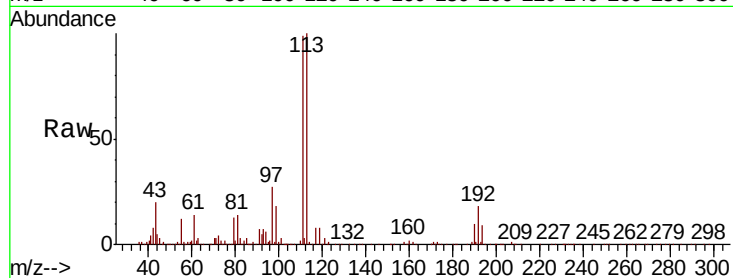




#37
Ethyl Acetate
Concen: 19.013 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

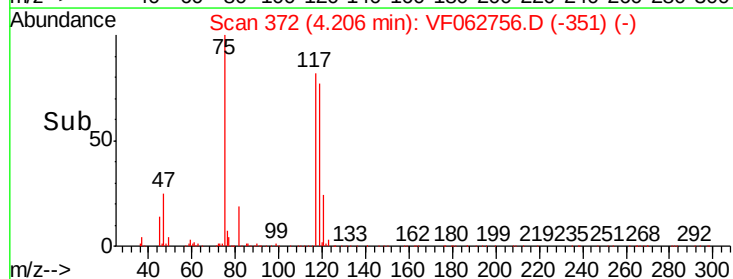
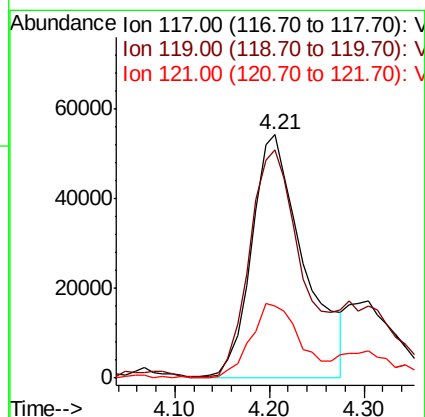
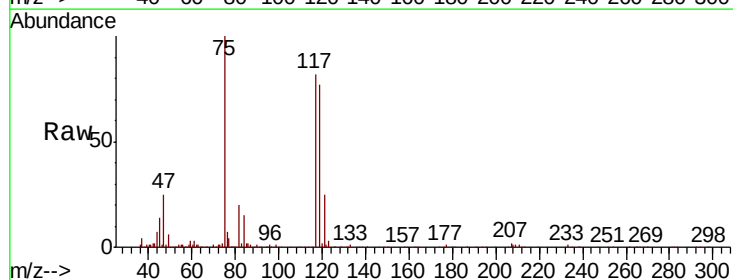
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

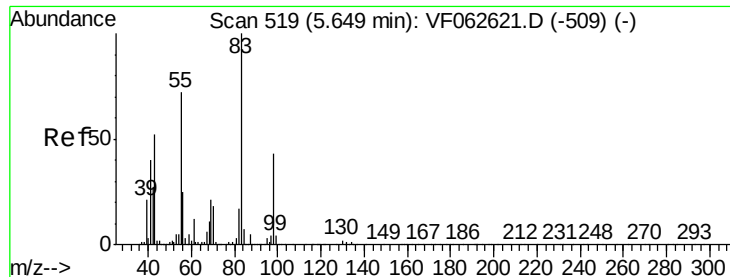
Tot Ion: 43 Resp: 113264
Ion Ratio Lower Upper
43 100
61 71.4 76.9 115.3#
70 14.4 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 18.902 ug/l
RT: 4.21 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 117 Resp: 207413
Ion Ratio Lower Upper
117 100
119 94.0 76.7 115.1
121 29.8 26.6 40.0





#39

Methylvlcyclohexane

Concen: 20.740 ug/l

RT: 5.65 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

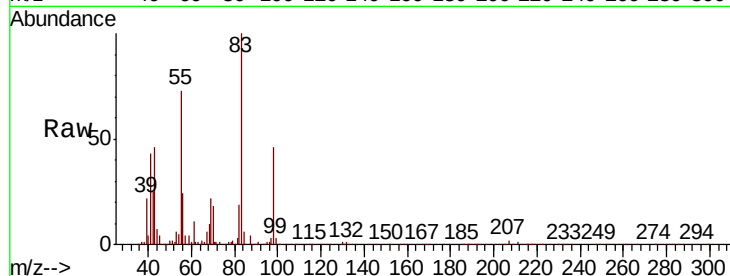
Tot Ion: 83 Resp: 364113

Ion Ratio Lower Upper

83 100

55 73.3 57.9 86.9

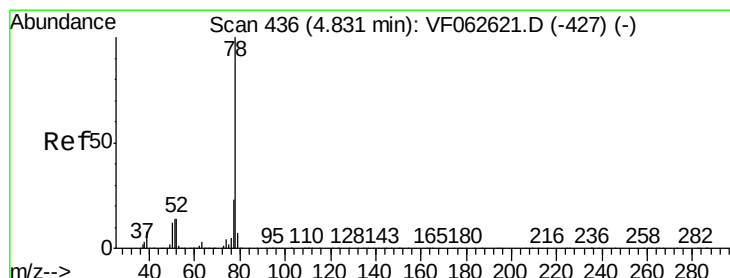
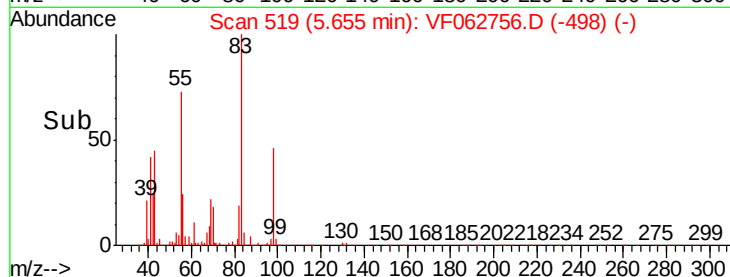
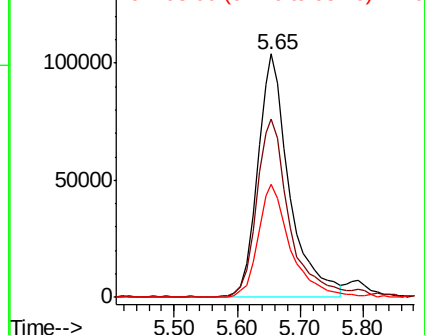
98 46.3 34.6 52.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 20.722 ug/l

RT: 4.84 min Scan# 436

Delta R.T. 0.01 min

Lab File: VF062756.D

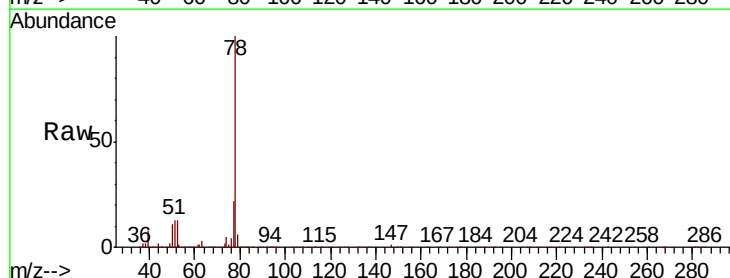
Acq: 28 May 2019 13:05

Tgt Ion: 78 Resp: 823660

Ion Ratio Lower Upper

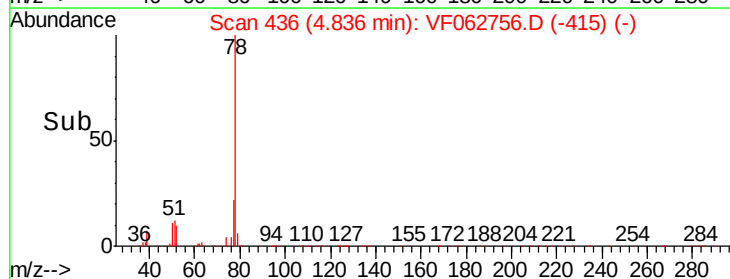
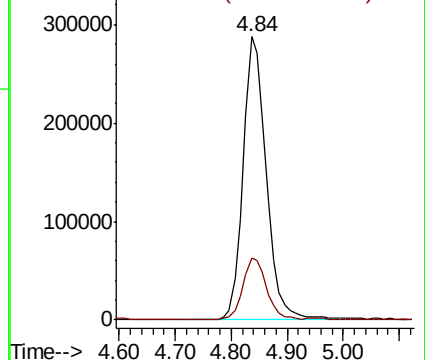
78 100

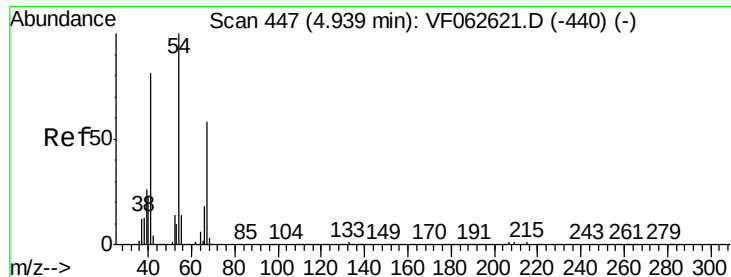
77 22.1 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 18.909 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 41 Resp: 59057

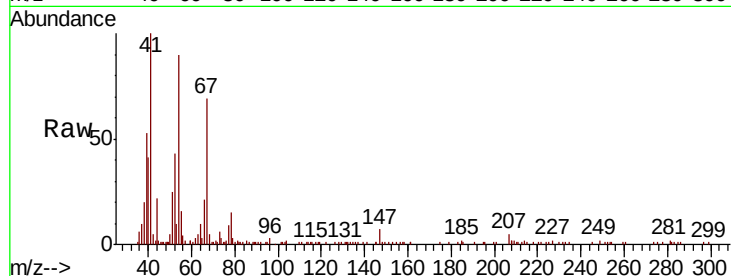
Ion Ratio Lower Upper

41 100

39 53.1 42.2 63.2

67 68.6 56.4 84.6

52 43.4 38.8 58.2

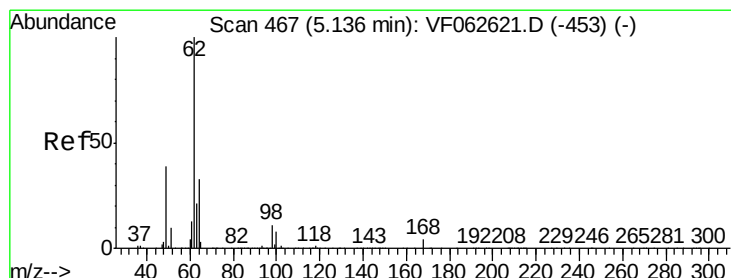
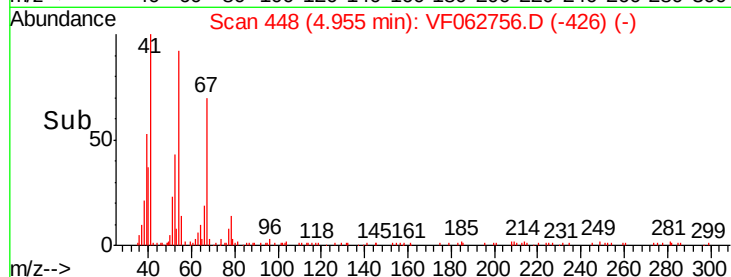
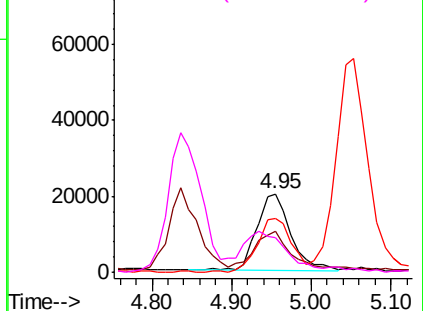


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 19.977 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.02 min

Lab File: VF062756.D

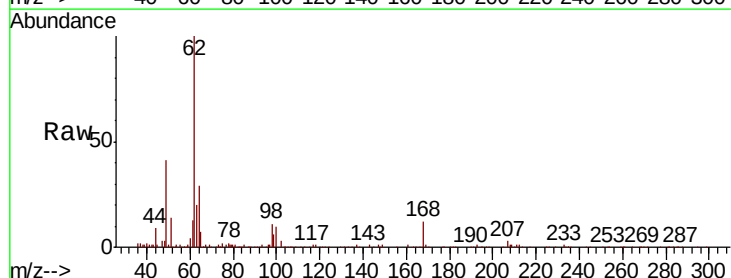
Acq: 28 May 2019 13:05

Tgt Ion: 62 Resp: 158349

Ion Ratio Lower Upper

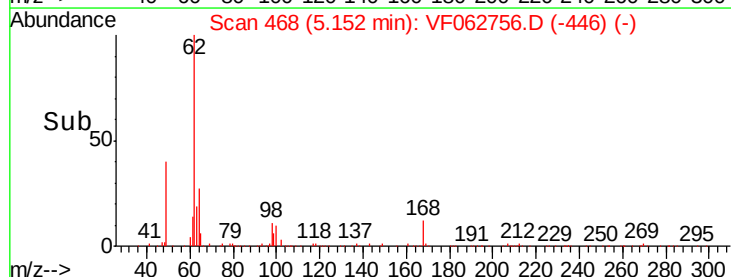
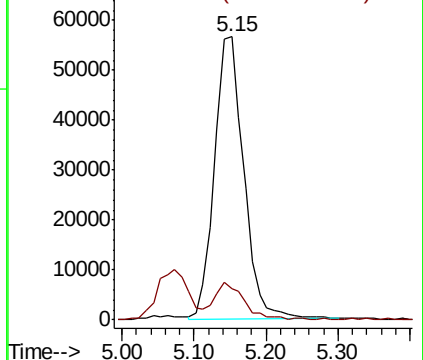
62 100

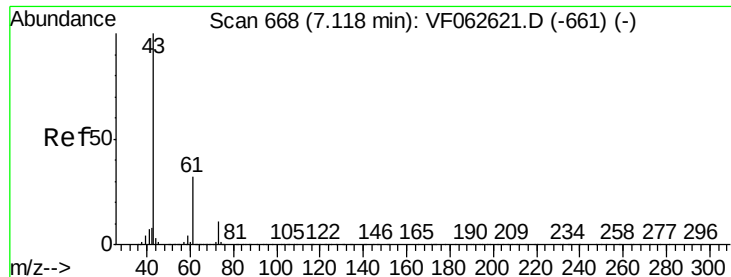
98 11.1 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.489 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.02 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

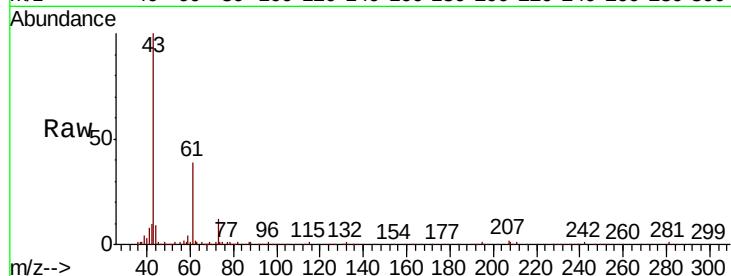
Tot Ion: 43 Resp: 150411

Ion Ratio Lower Upper

43 100

61 39.4 25.8 38.8#

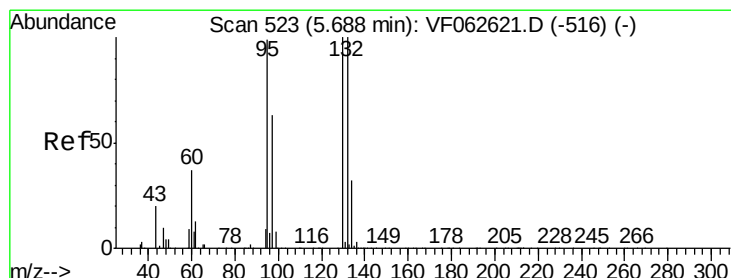
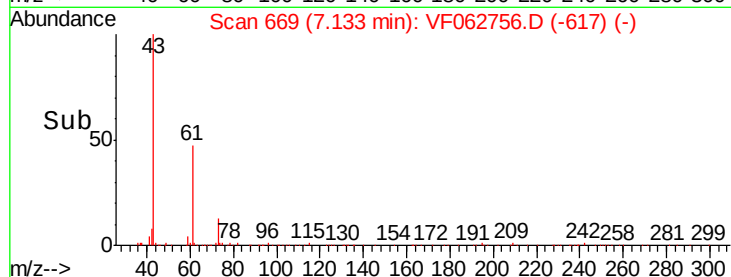
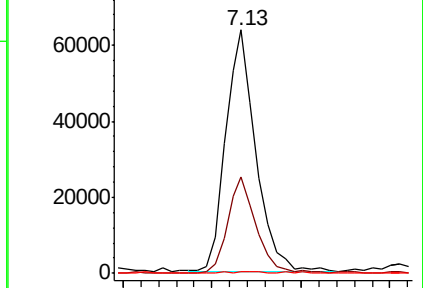
87 0.8 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.887 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.02 min

Lab File: VF062756.D

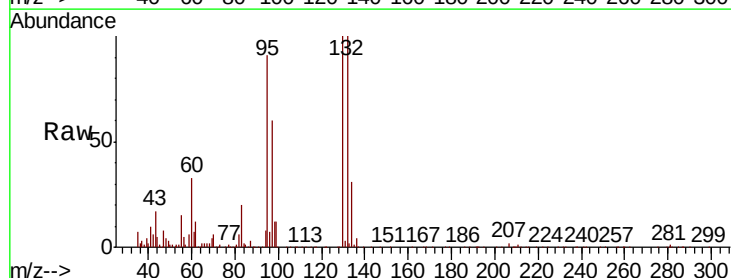
Acq: 28 May 2019 13:05

Tgt Ion: 130 Resp: 244507

Ion Ratio Lower Upper

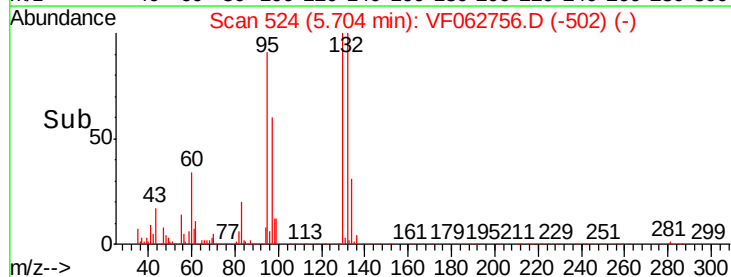
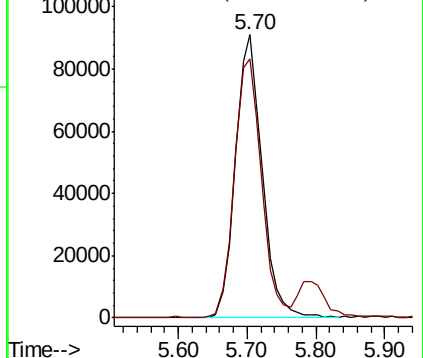
130 100

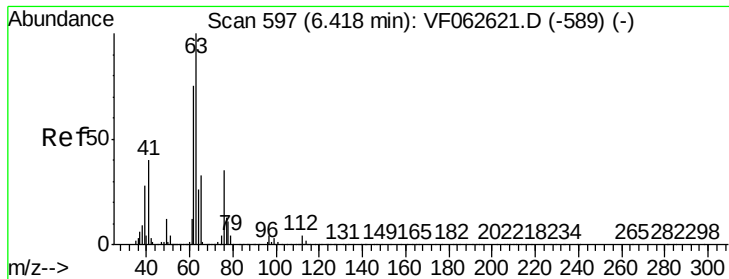
95 91.6 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.613 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

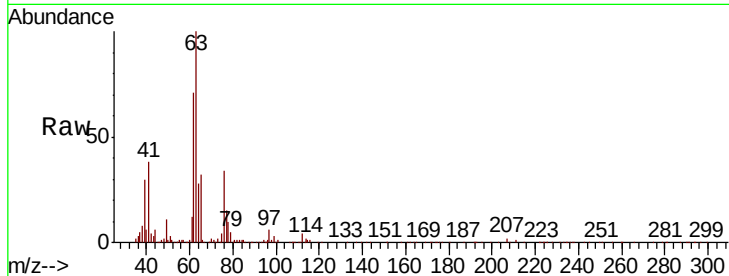
VF0528SBS01

Tot Ion: 63 Resp: 206826

Ion Ratio Lower Upper

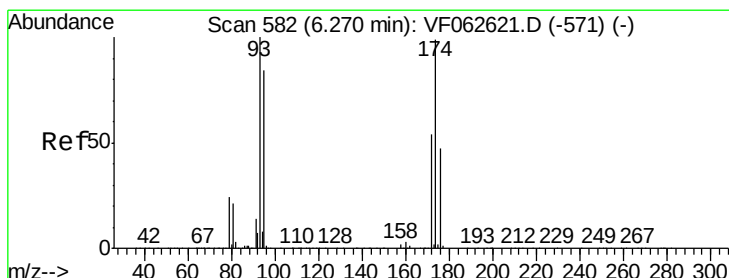
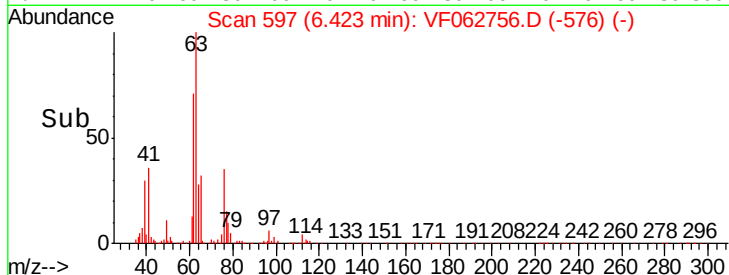
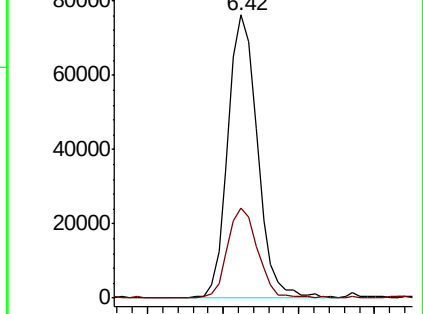
63 100

65 31.8 26.3 39.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.220 ug/l

RT: 6.28 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

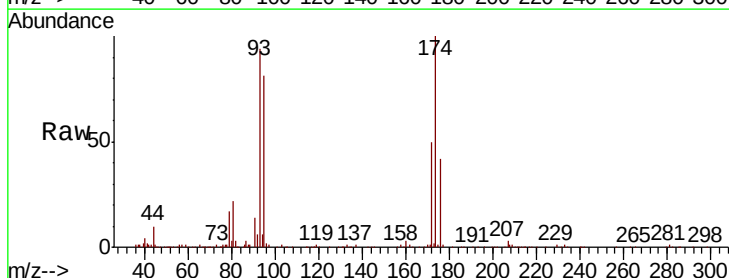
Tgt Ion: 93 Resp: 123050

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.2

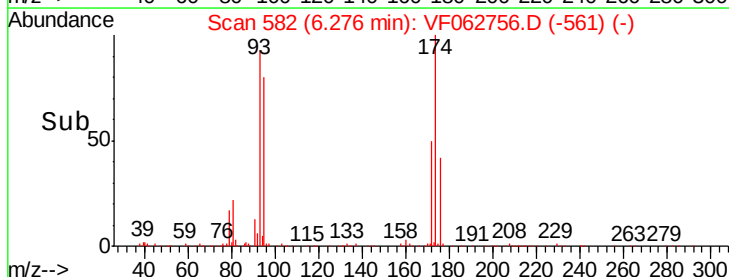
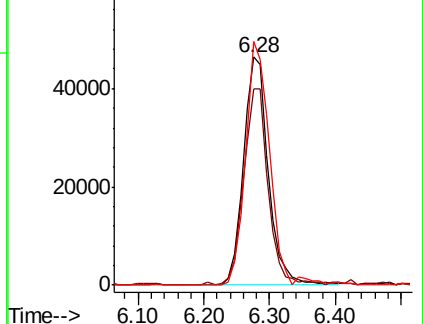
174 106.7 79.4 119.2

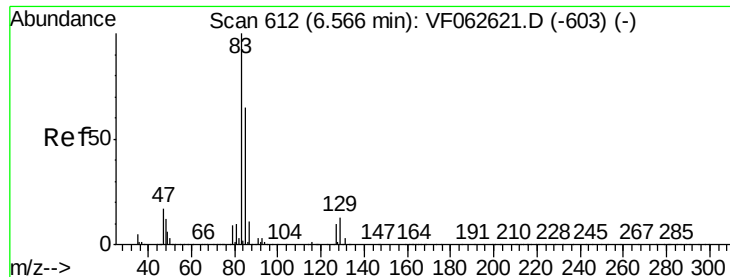


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.920 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

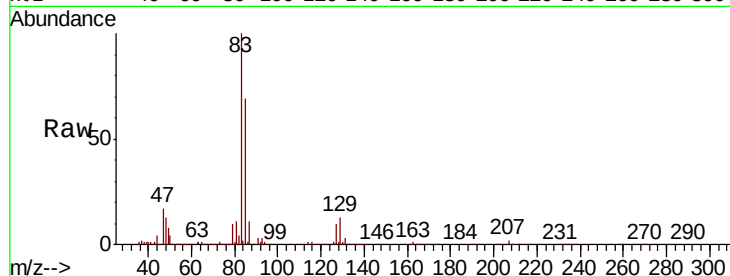
Tot Ion: 83 Resp: 251849

Ion Ratio Lower Upper

83 100

85 69.5 52.0 78.0

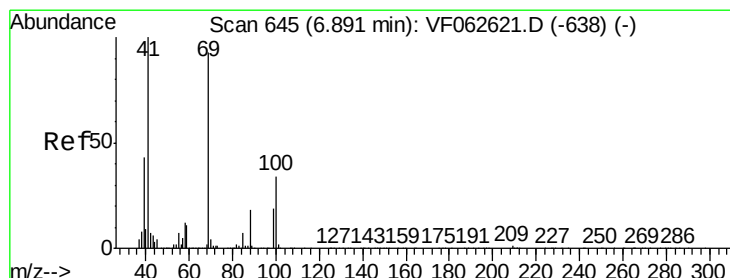
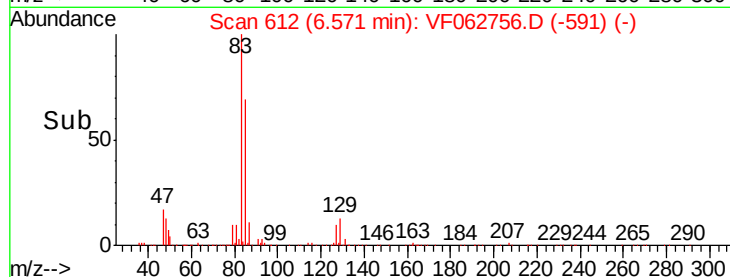
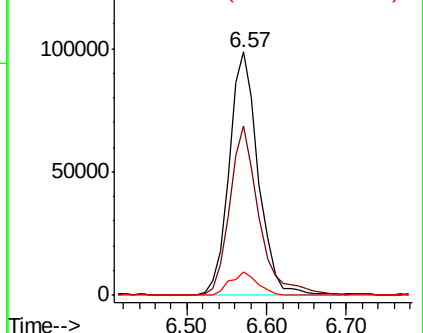
127 9.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.841 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

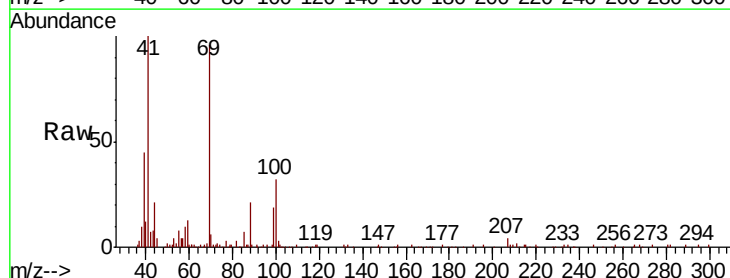
Tgt Ion: 41 Resp: 76005

Ion Ratio Lower Upper

41 100

69 96.0 74.2 111.2

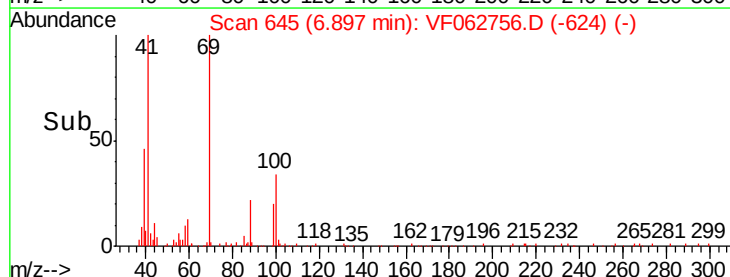
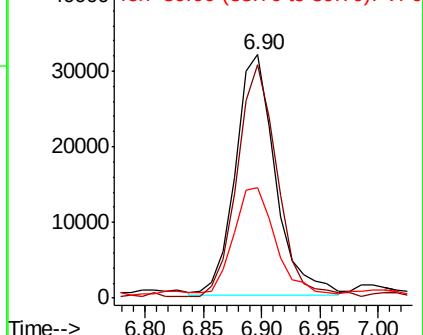
39 45.2 34.2 51.4

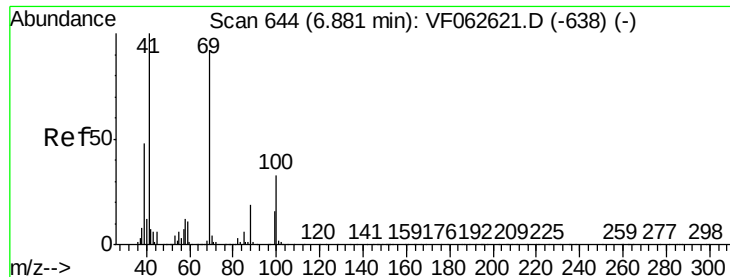


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 422.045 ug/l

RT: 6.89 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

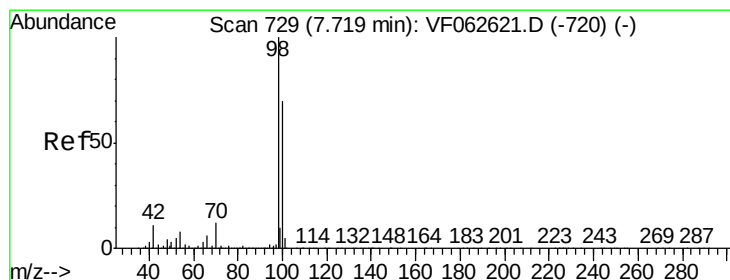
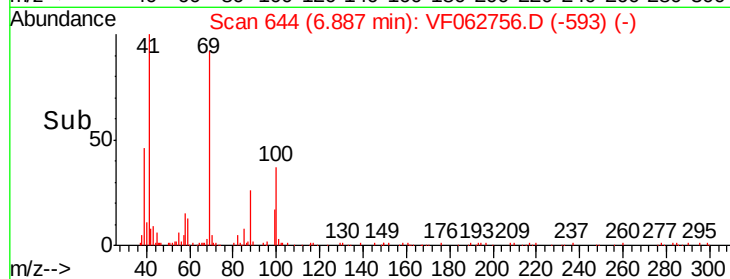
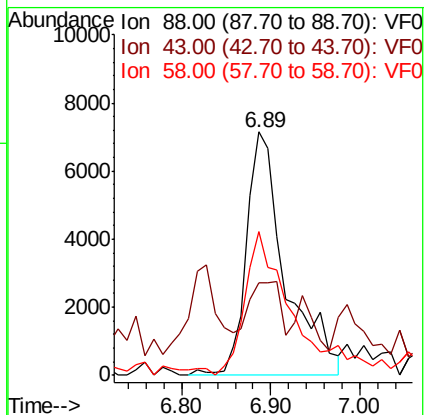
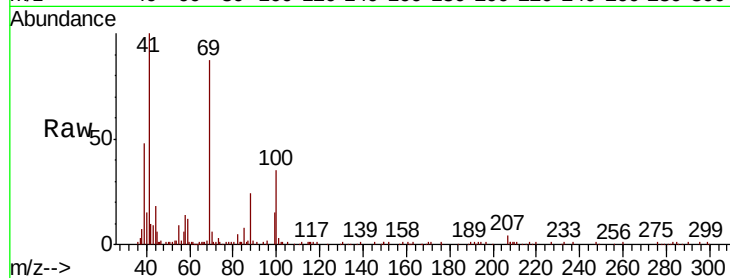
MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 88 Resp: 21806

Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.0	45.0
58	58.9	51.1	76.7



#50

Toluene-d8

Concen: 43.535 ug/l

RT: 7.72 min Scan# 729

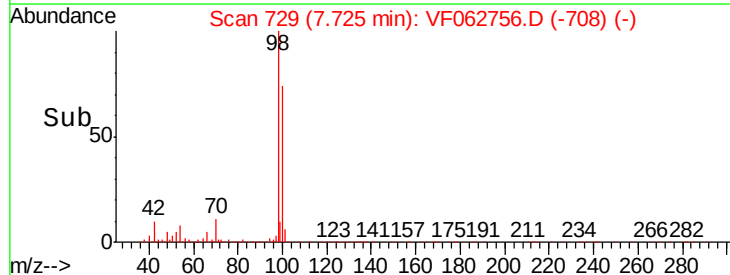
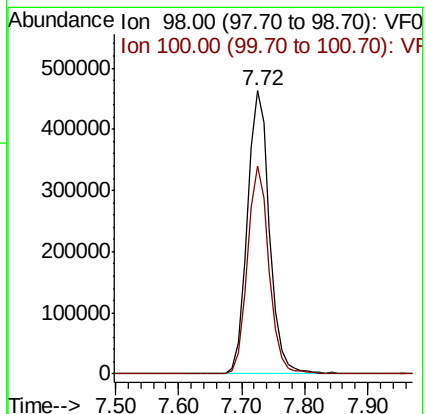
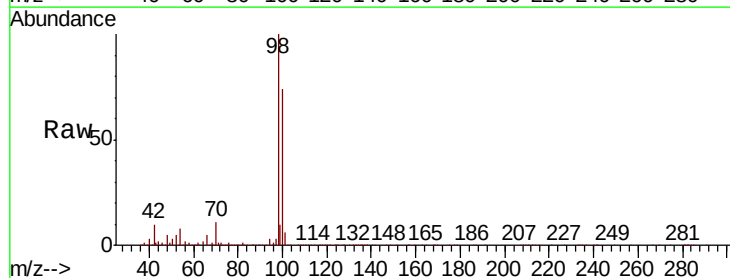
Delta R.T. 0.01 min

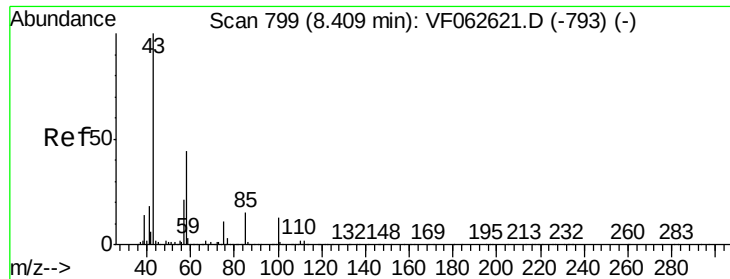
Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion: 98 Resp: 1132547

Ion	Ratio	Lower	Upper
98	100		
100	73.5	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 102.825 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

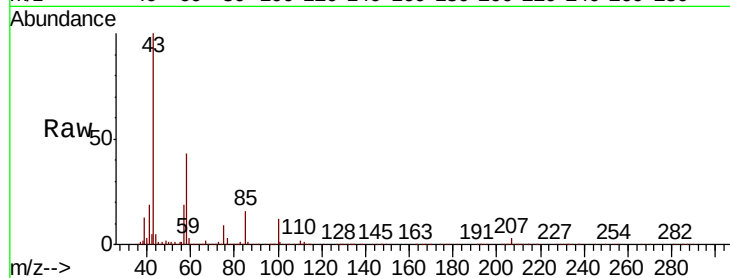
VF0528SBS01

Tot Ion: 43 Resp: 542450

Ion Ratio Lower Upper

43 100

58 43.0 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

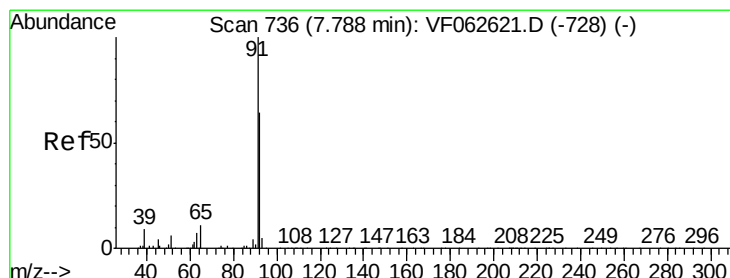
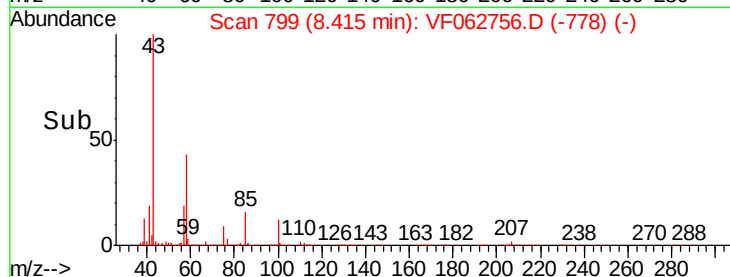
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 21.566 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062756.D

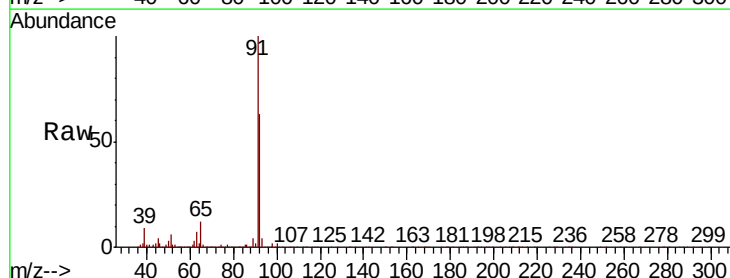
Acq: 28 May 2019 13:05

Tgt Ion: 92 Resp: 449561

Ion Ratio Lower Upper

92 100

91 157.9 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

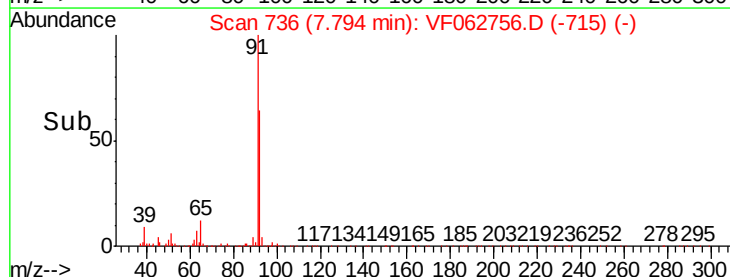
200000

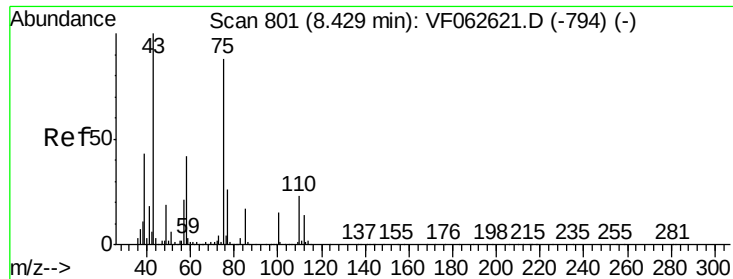
100000

0

7.70 7.80 7.90

Time-->

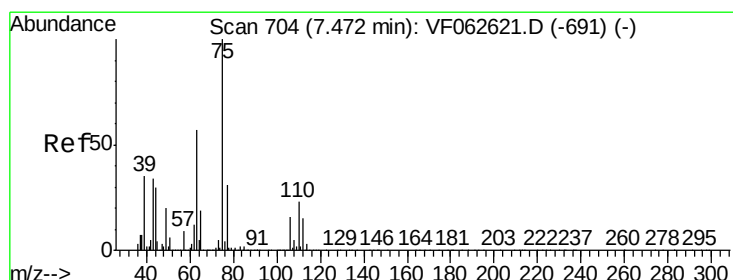
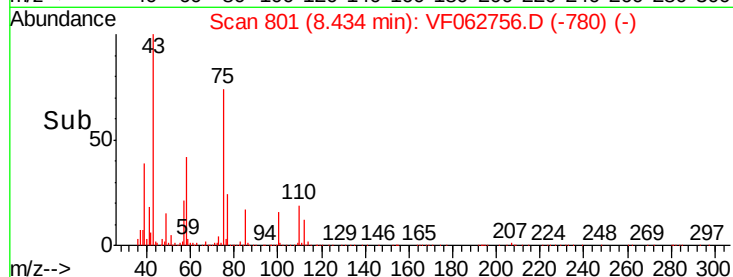
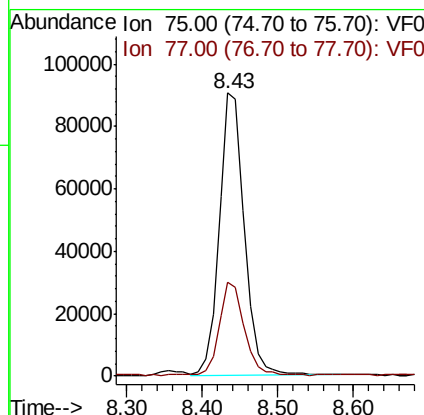
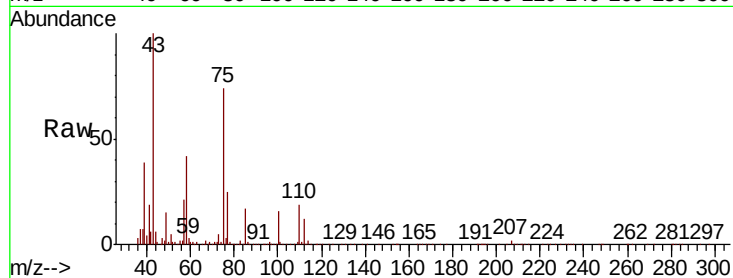




#53
 t-1,3-Dichloropropene
 Concen: 21.134 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

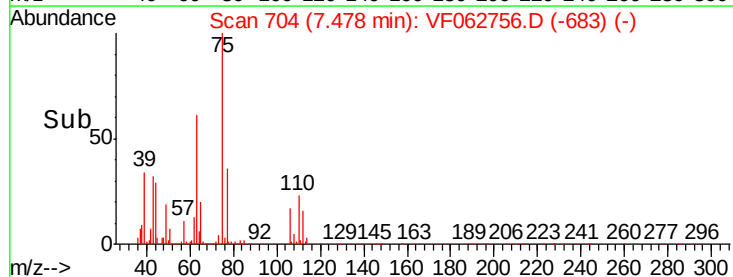
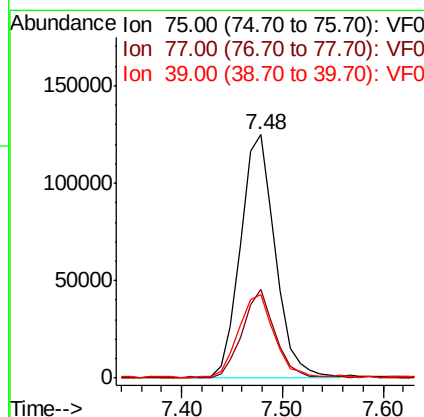
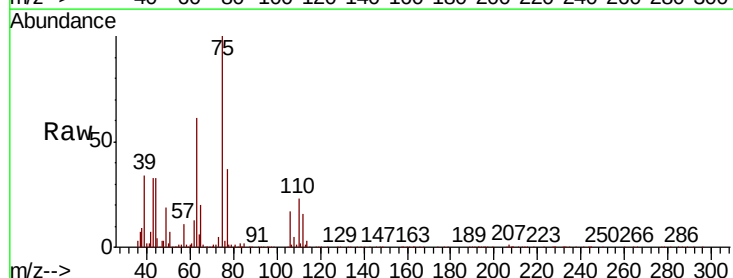
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

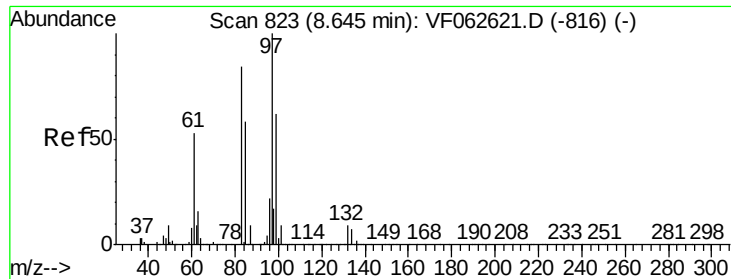
Tot Ion: 75 Resp: 208148
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.741 ug/l
 RT: 7.48 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion: 75 Resp: 299744
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.3 37.9
 39 34.4 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 22.982 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

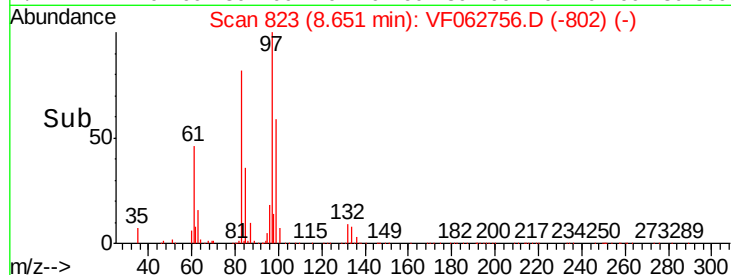
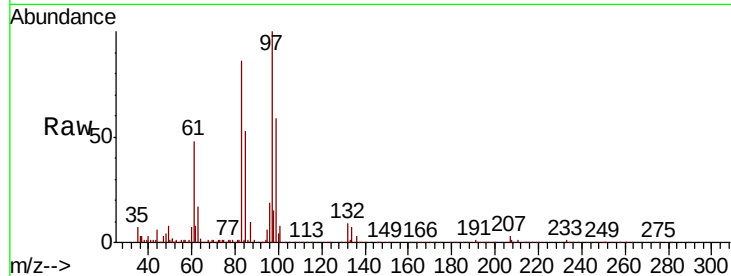
MSVOA_F

ClientSampleId :

VF0528SBSD01

Tot Ion: 97 Resp: 141846

Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.3	100.9
85	53.4	46.6	69.8
99	59.2	49.7	74.5

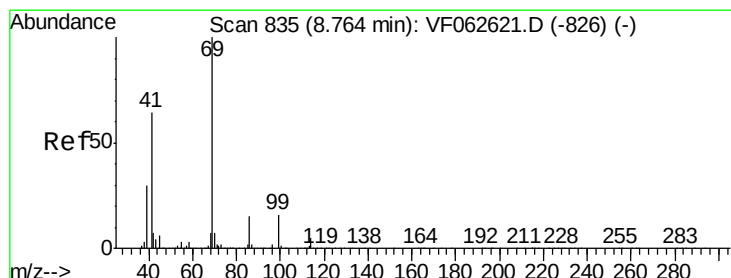


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 20.114 ug/l

RT: 8.77 min Scan# 835

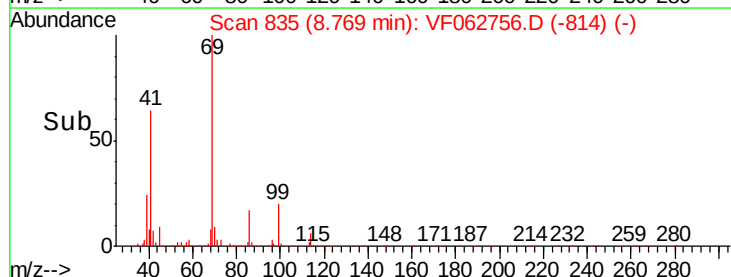
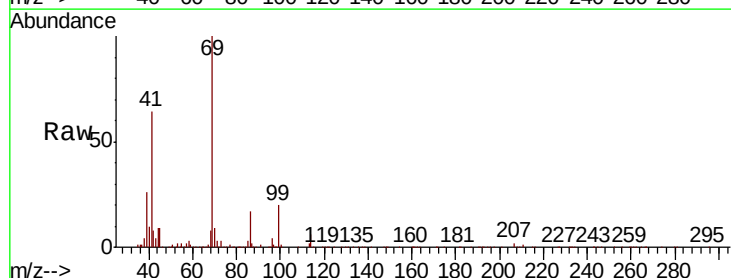
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion: 69 Resp: 147907

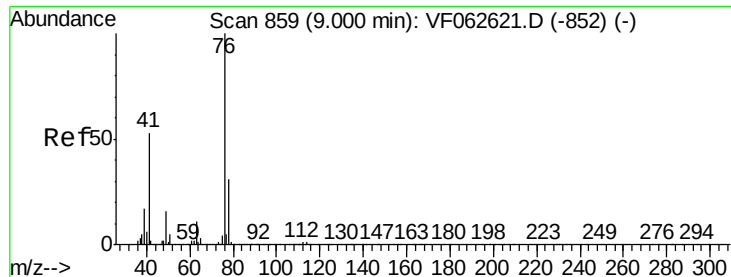
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.4	77.2
39	25.7	23.6	35.4



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

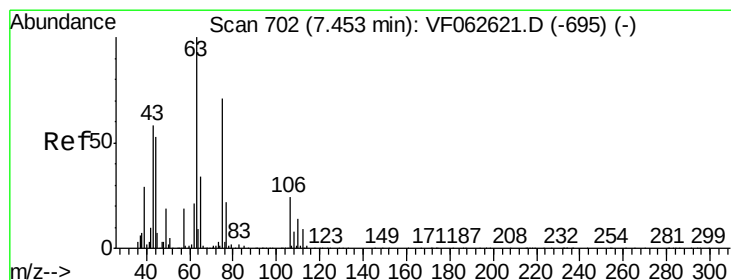
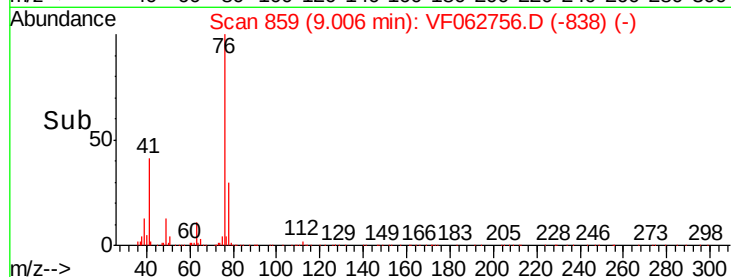
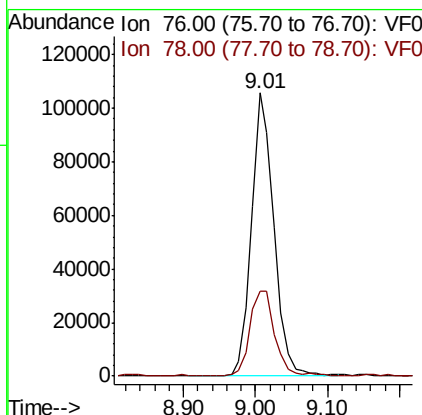
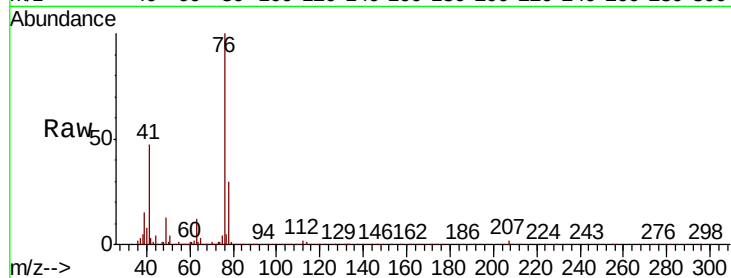
Ion 39.00 (38.70 to 39.70): VF0



#57
 1,3-Dichloropropane
 Concen: 21.866 ug/l
 RT: 9.01 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

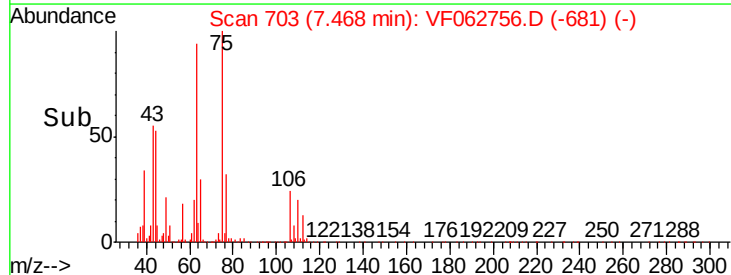
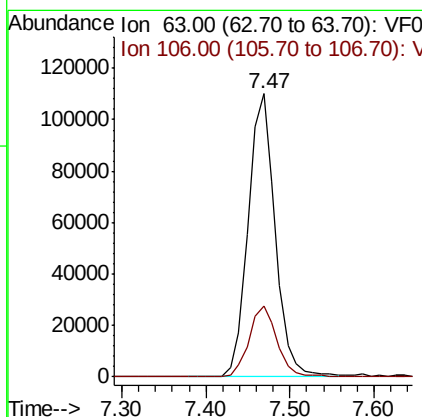
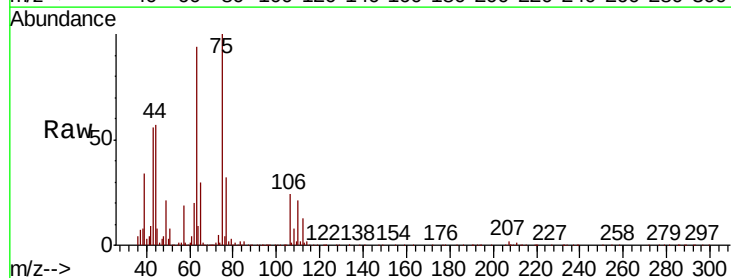
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

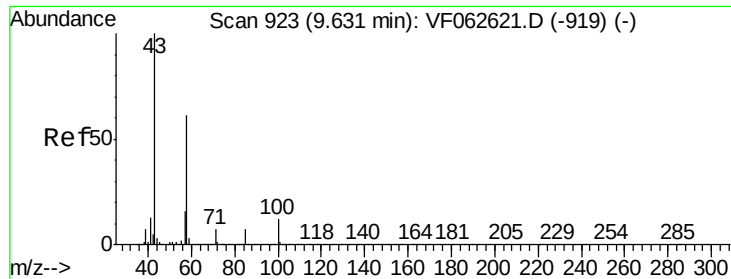
Tot Ion: 76 Resp: 229876
 Ion Ratio Lower Upper
 76 100
 78 30.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.990 ug/l
 RT: 7.47 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion: 63 Resp: 248903
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.1 28.7

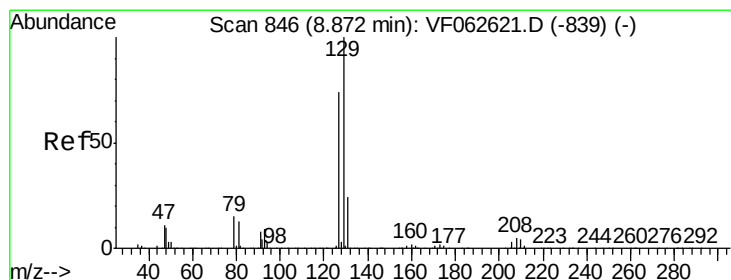
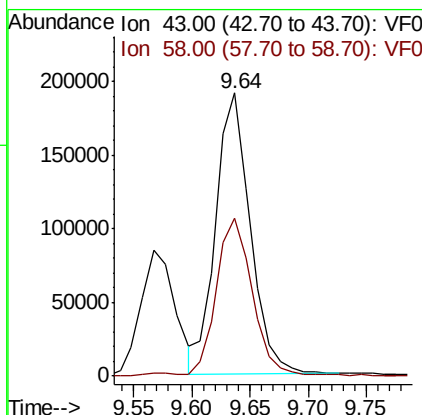
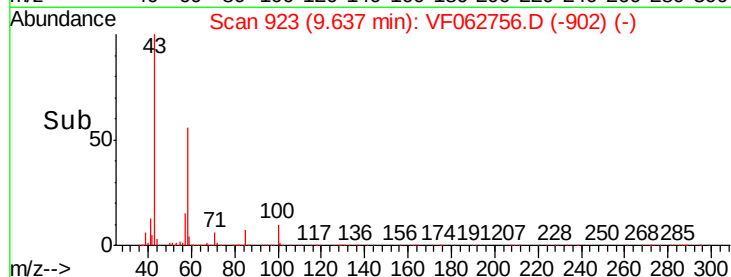
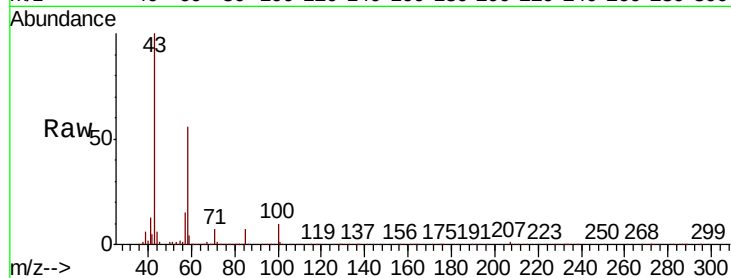




#59
2-Hexanone
Concen: 104.437 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

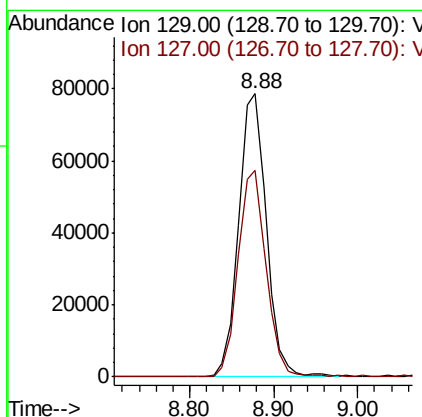
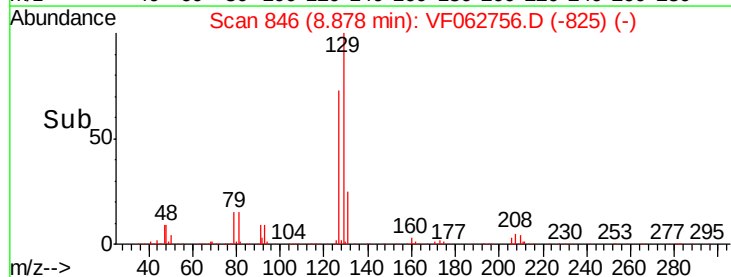
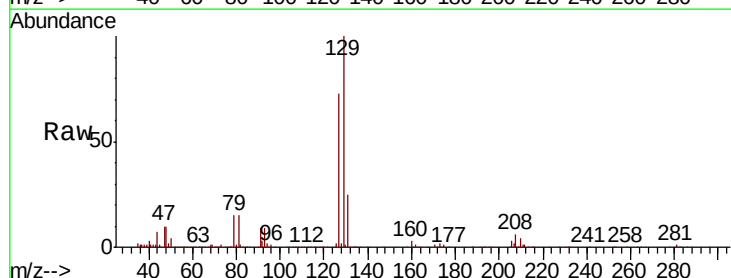
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

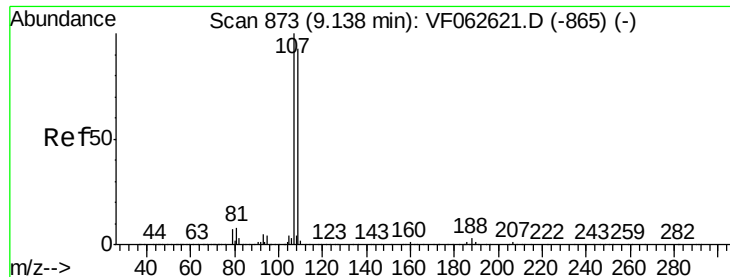
Tot Ion: 43 Resp: 394084
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.4



#60
Dibromochloromethane
Concen: 22.487 ug/l
RT: 8.88 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 129 Resp: 180892
Ion Ratio Lower Upper
129 100
127 73.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.975 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

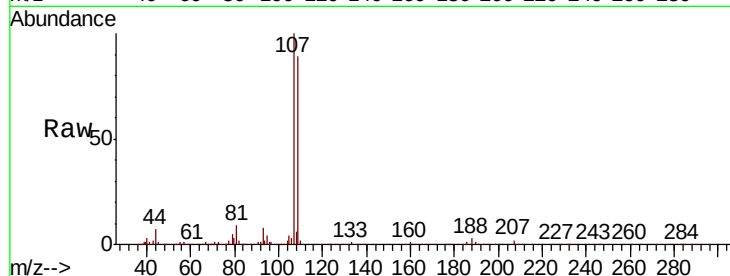
VF0528SBSD01

Tot Ion:107 Resp: 144064

Ion Ratio Lower Upper

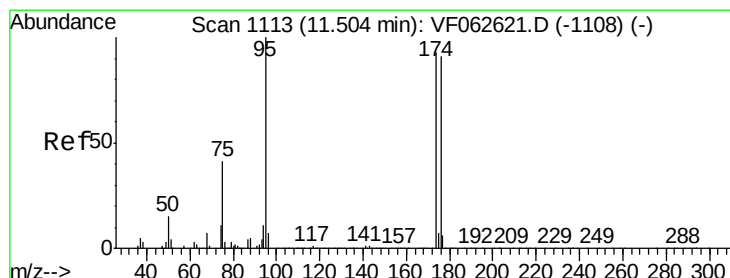
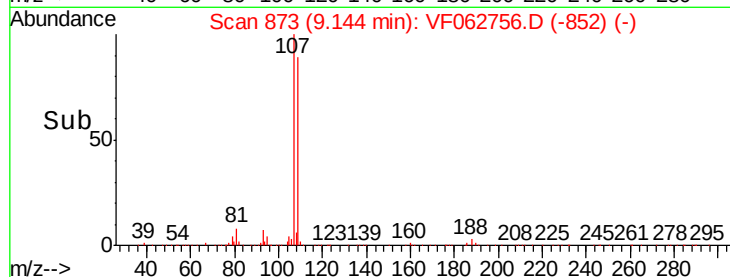
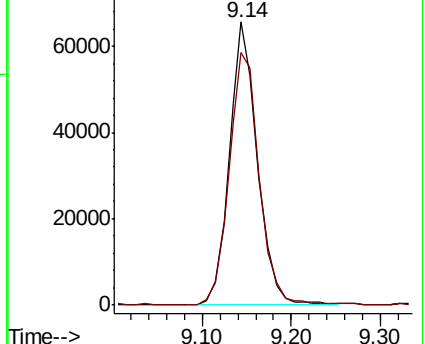
107 100

109 89.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.565 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

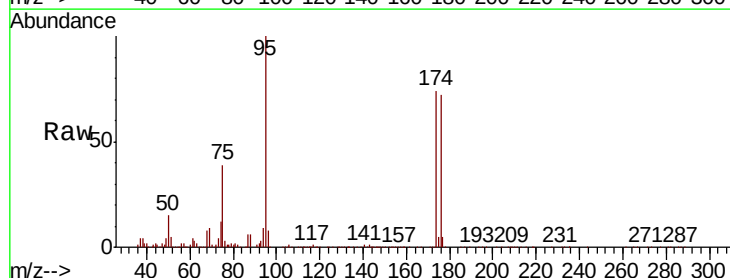
Tgt Ion: 95 Resp: 429832

Ion Ratio Lower Upper

95 100

174 73.6 0.0 185.6

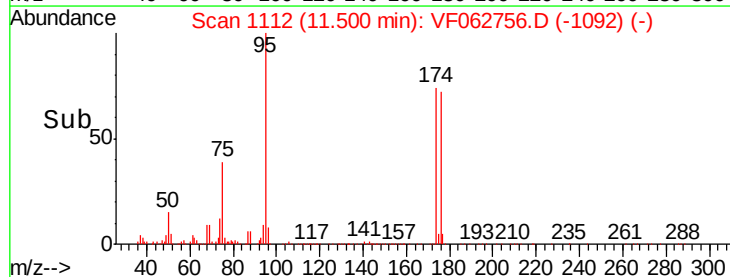
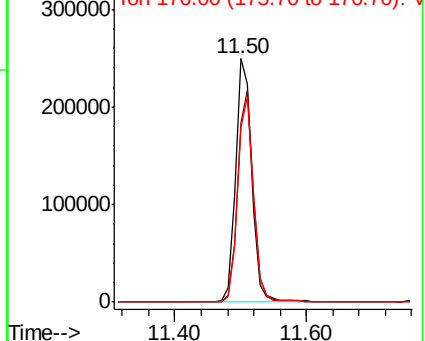
176 71.6 0.0 182.4

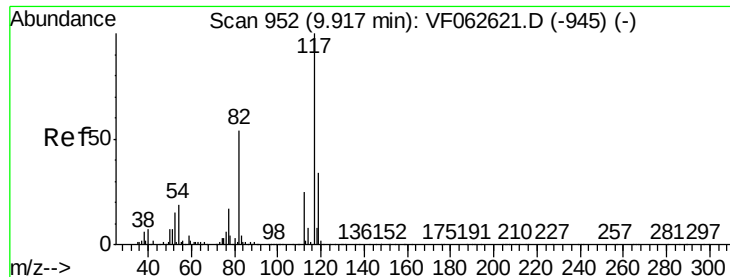


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

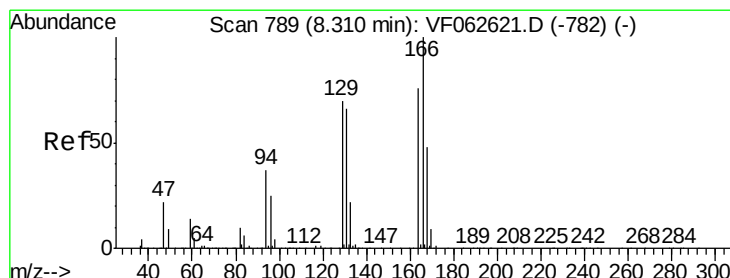
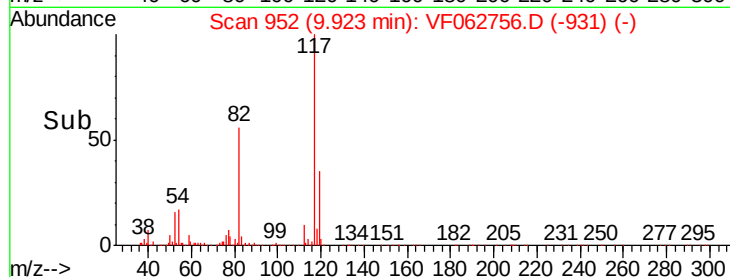
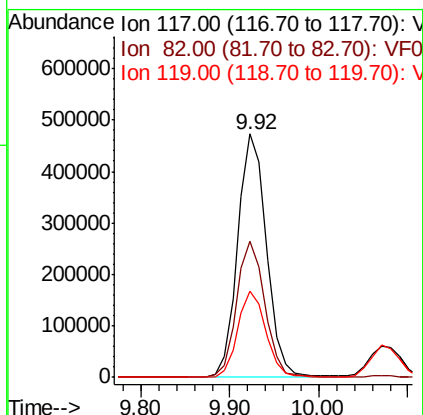
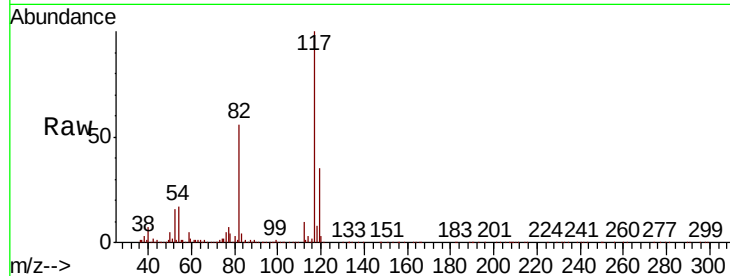




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

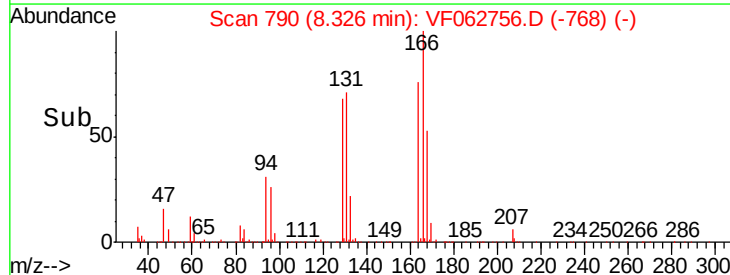
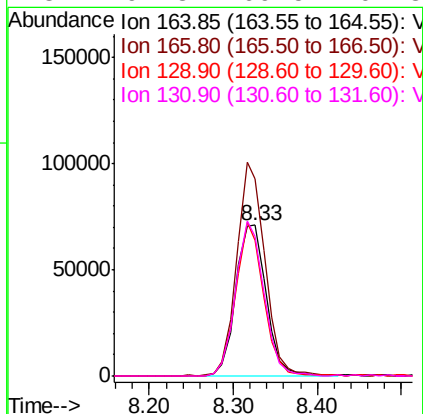
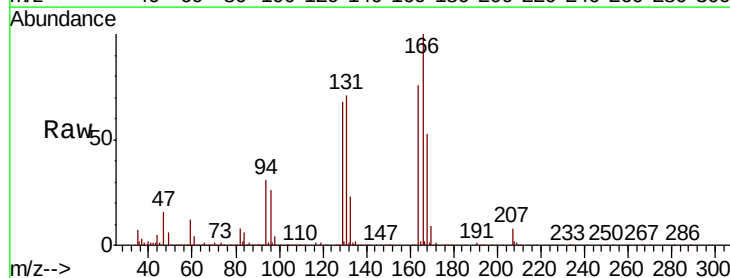
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

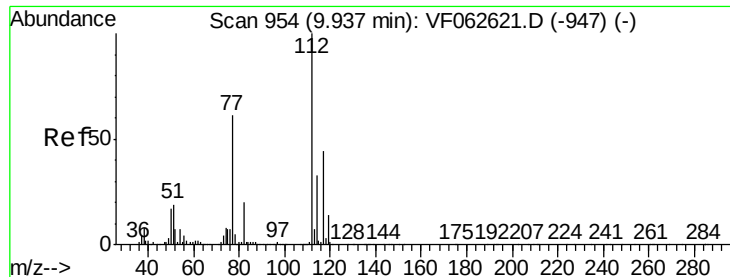
Tot Ion:117 Resp: 1065738
Ion Ratio Lower Upper
117 100
82 55.8 43.3 64.9
119 35.3 27.4 41.0



#64
Tetrachloroethene
Concen: 21.311 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion:164 Resp: 179927
Ion Ratio Lower Upper
164 100
166 130.8 105.5 158.3
129 89.5 73.8 110.6
131 92.3 69.5 104.3

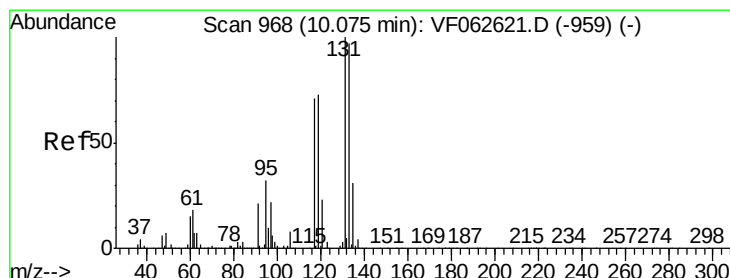
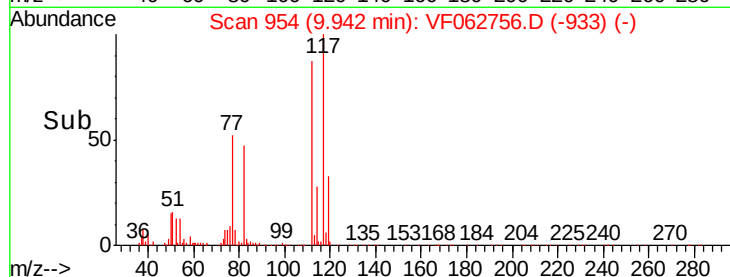
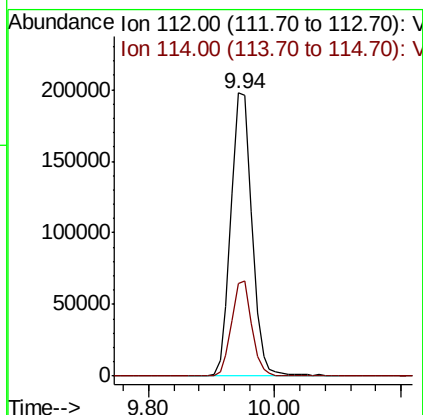
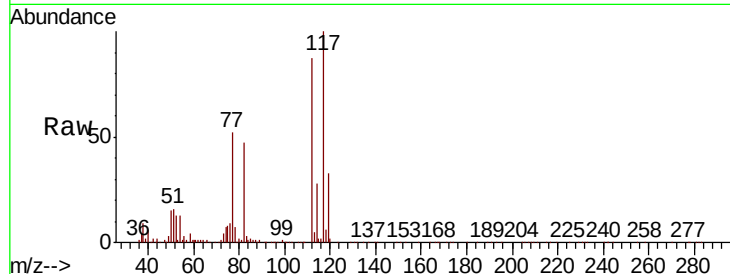




#65
Chlorobenzene
Concen: 21.860 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

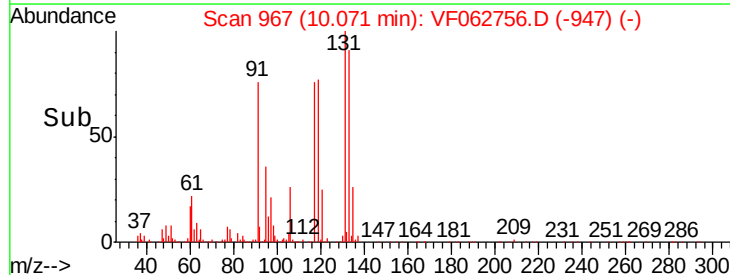
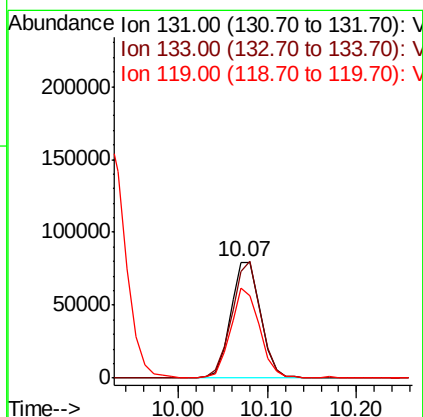
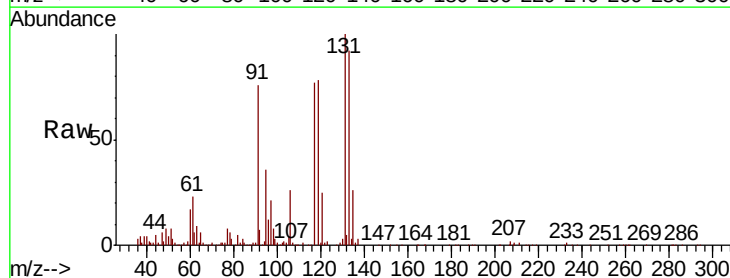
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

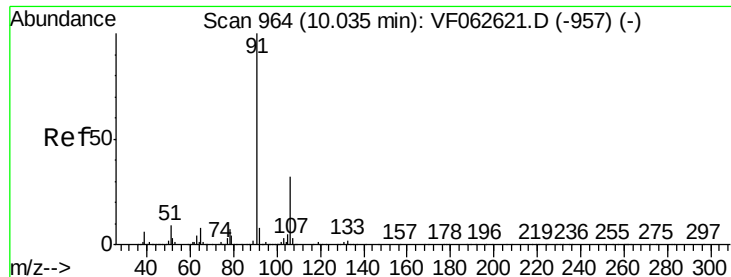
Tot Ion:112 Resp: 457581
Ion Ratio Lower Upper
112 100
114 32.5 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.361 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion:131 Resp: 187905
Ion Ratio Lower Upper
131 100
133 91.6 48.5 145.5
119 77.7 36.8 110.4





#67

Ethyl Benzene

Concen: 22.642 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

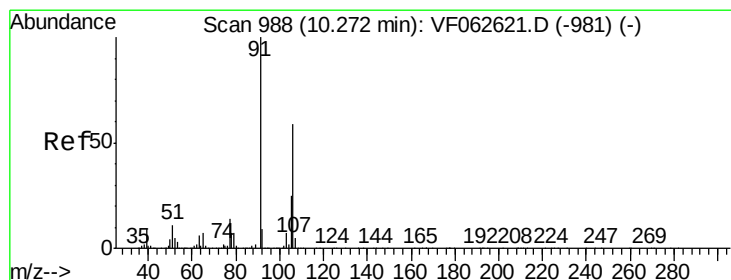
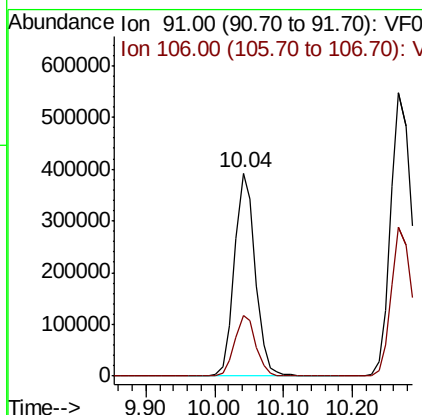
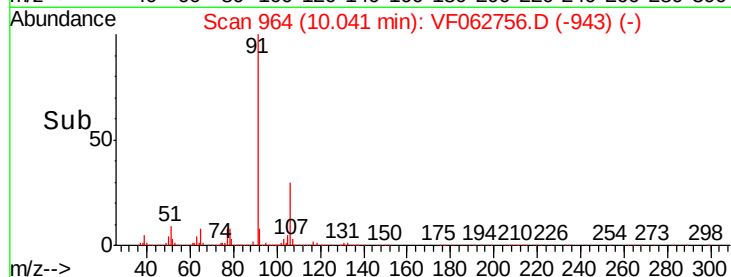
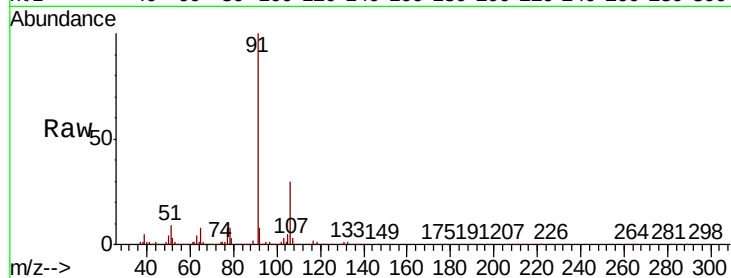
VF0528SBSD01

Tot Ion: 91 Resp: 823361

Ion Ratio Lower Upper

91 100

106 30.1 25.8 38.8



#68

m/p-Xylenes

Concen: 44.251 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062756.D

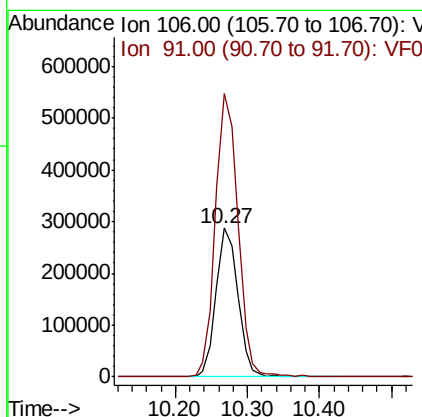
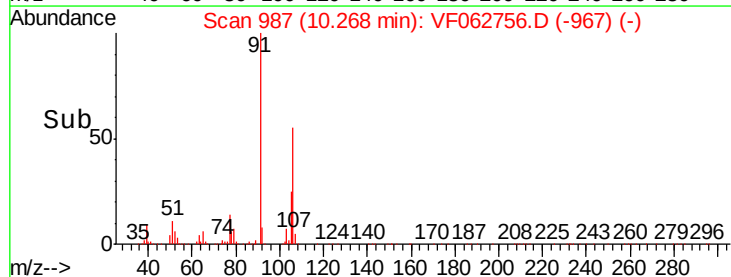
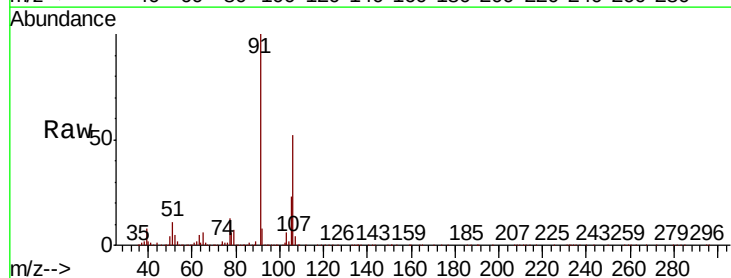
Acq: 28 May 2019 13:05

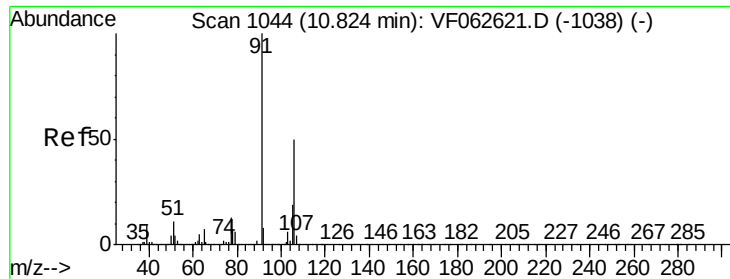
Tgt Ion: 106 Resp: 604777

Ion Ratio Lower Upper

106 100

91 190.7 136.9 205.3

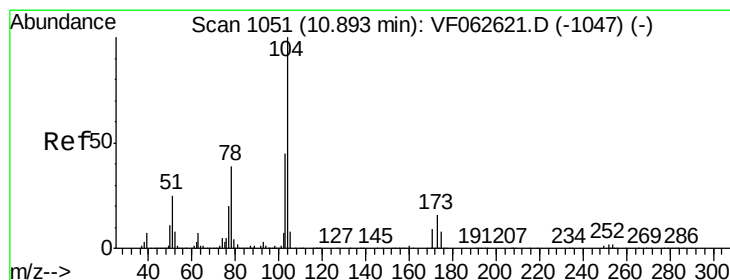
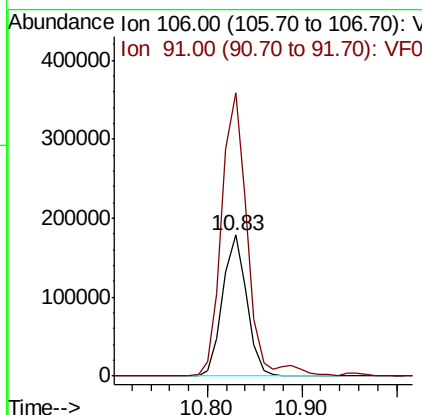
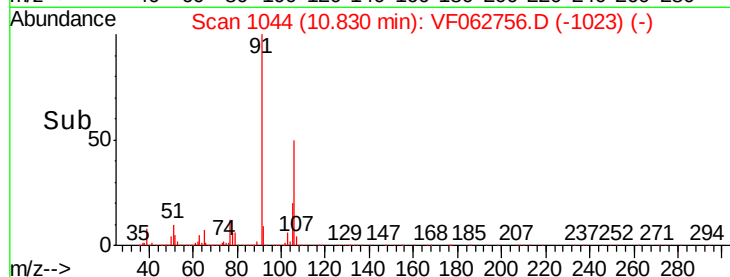
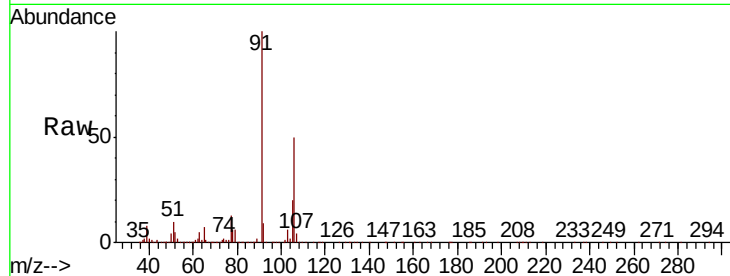




#69
o-Xylene
Concen: 22.413 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

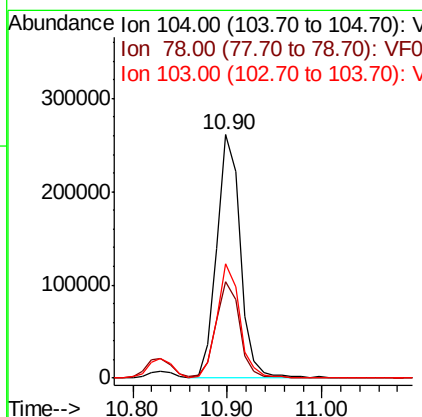
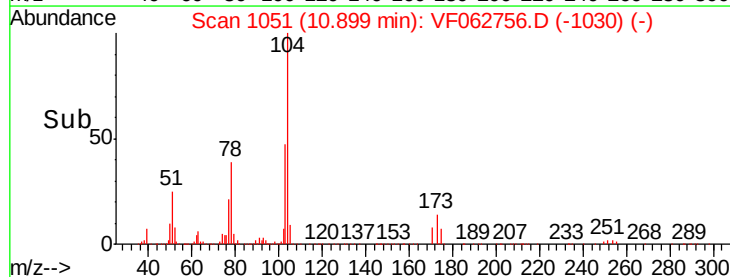
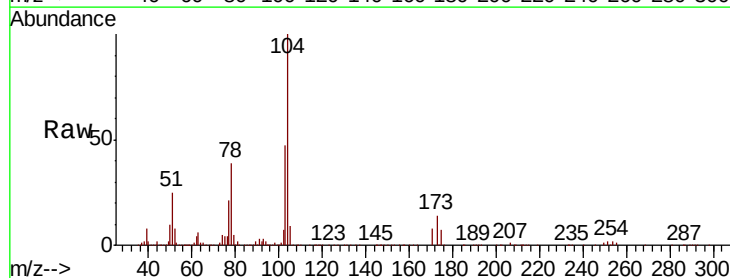
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

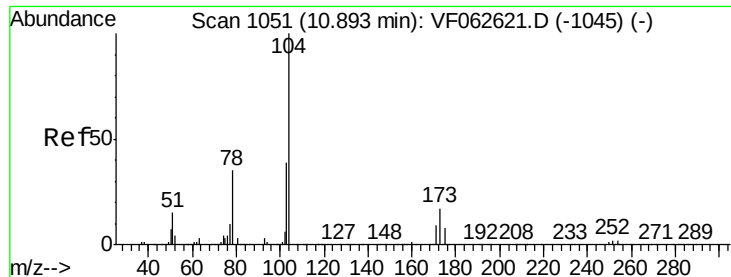
Tot Ion:106 Resp: 315516
Ion Ratio Lower Upper
106 100
91 200.9 100.2 300.5



#70
Styrene
Concen: 20.954 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion:104 Resp: 448345
Ion Ratio Lower Upper
104 100
78 39.4 31.9 47.9
103 46.9 36.1 54.1





#71

Bromoform

Concen: 22.668 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

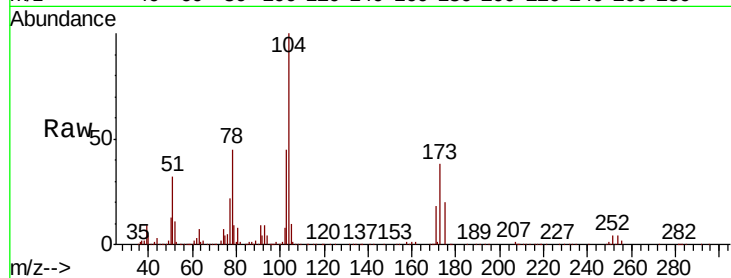
Tot Ion:173 Resp: 95400

Ion Ratio Lower Upper

173 100

175 52.2 25.3 75.9

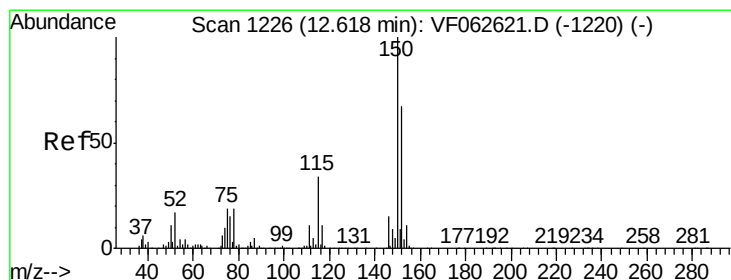
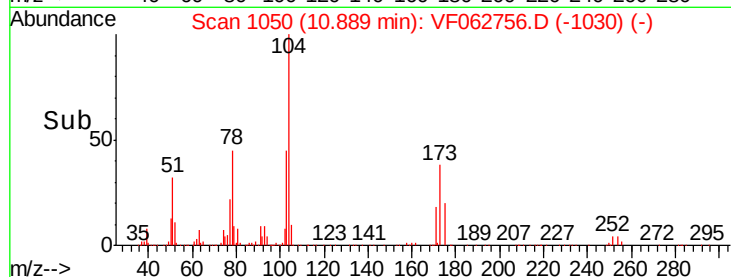
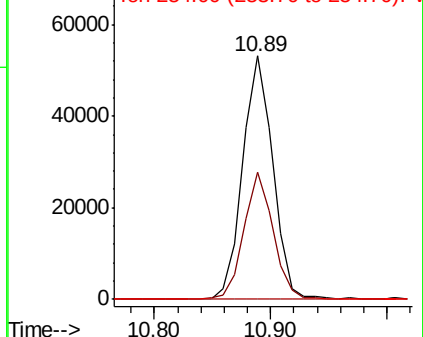
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

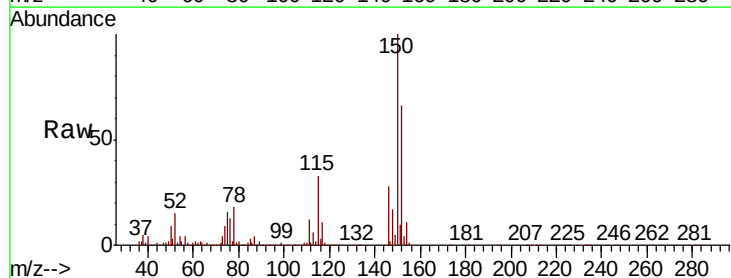
Tgt Ion:152 Resp: 521040

Ion Ratio Lower Upper

152 100

115 49.0 25.2 75.6

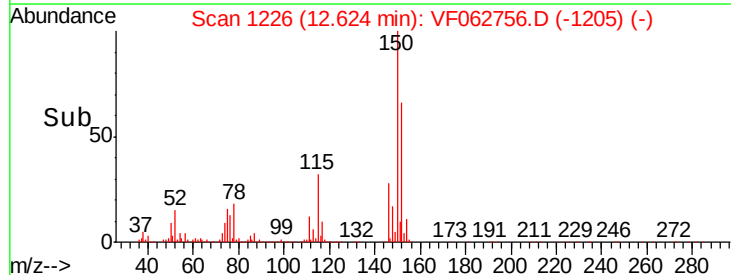
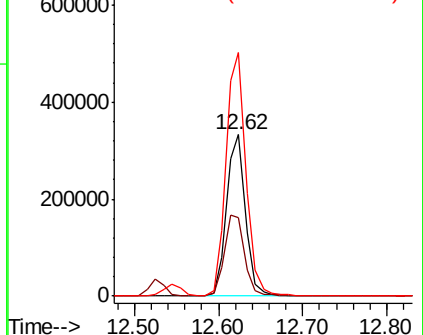
150 150.7 0.0 306.2

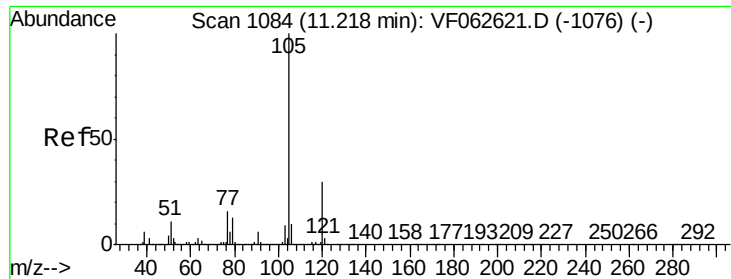


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.980 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

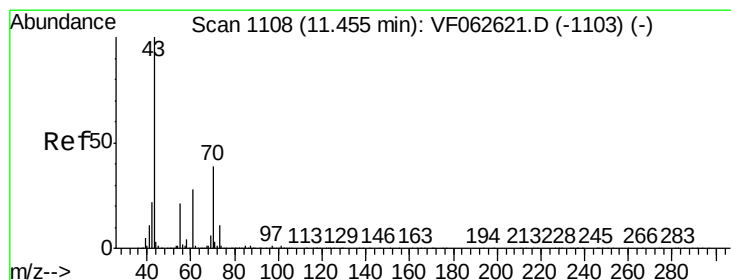
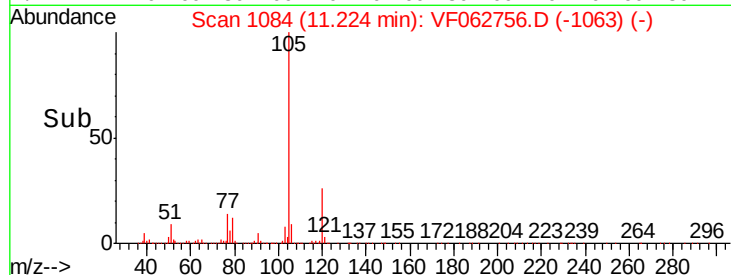
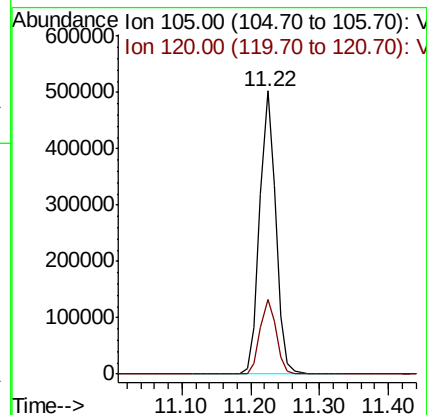
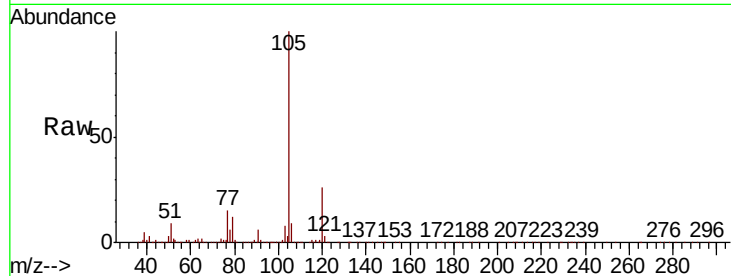
VF0528SBS01

Tot Ion:105 Resp: 820831

Ion Ratio Lower Upper

105 100

120 26.2 14.8 44.4



#74

N-ethyl acetate

Concen: 21.562 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion: 43 Resp: 234036

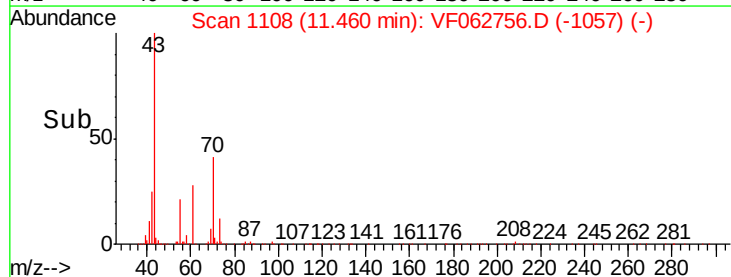
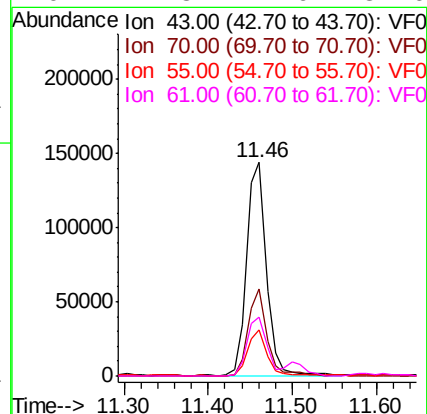
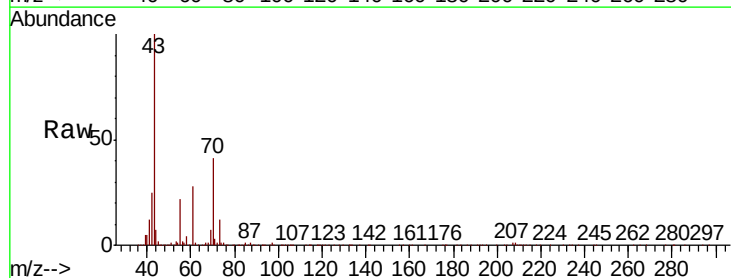
Ion Ratio Lower Upper

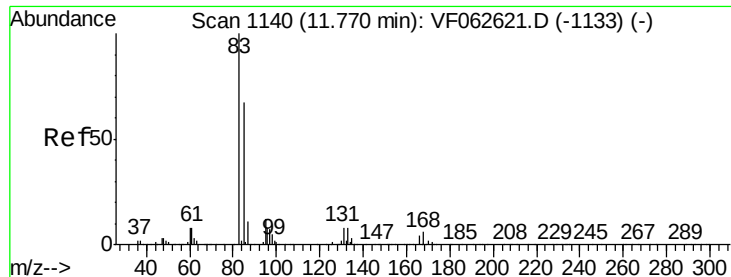
43 100

70 40.9 30.9 46.3

55 21.5 17.0 25.4

61 27.8 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.984 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

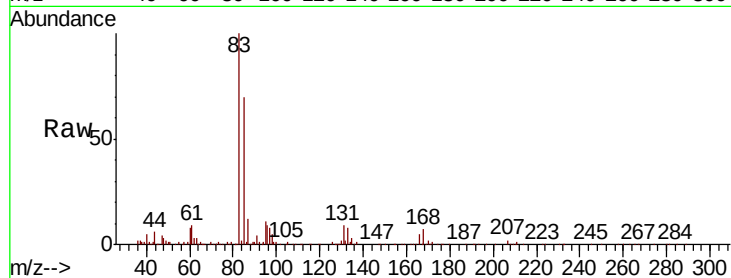
Tot Ion: 83 Resp: 167774

Ion Ratio Lower Upper

83 100

131 8.7 4.0 12.0

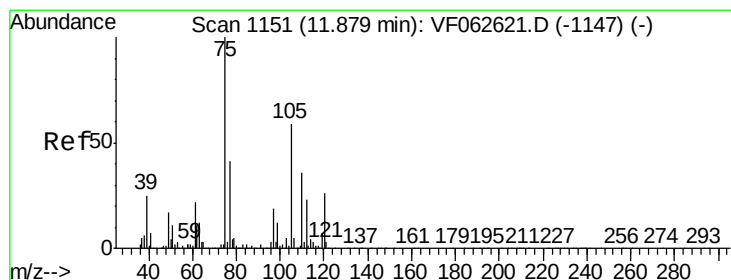
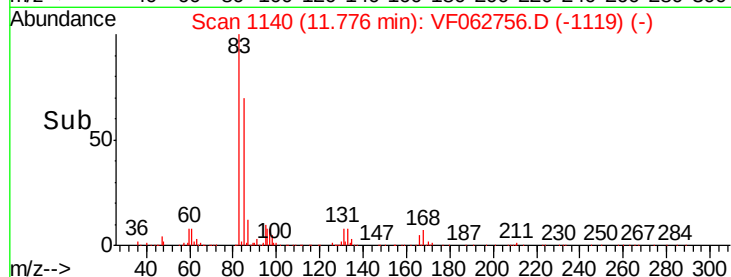
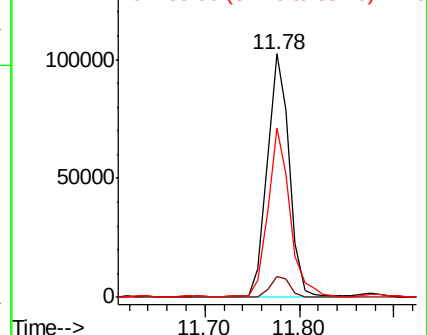
85 69.8 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.349 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062756.D

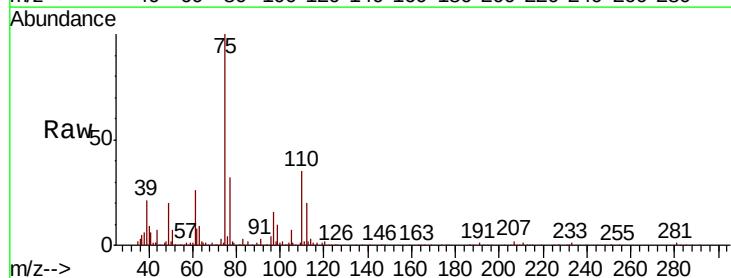
Acq: 28 May 2019 13:05

Tgt Ion: 75 Resp: 112070

Ion Ratio Lower Upper

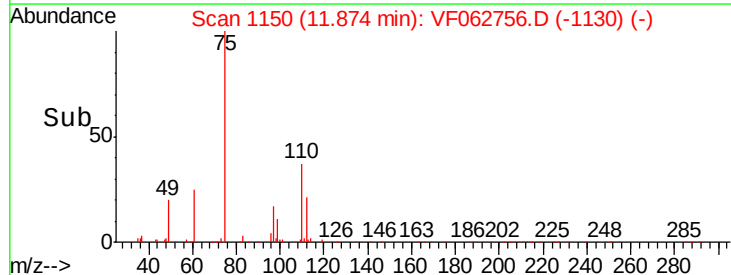
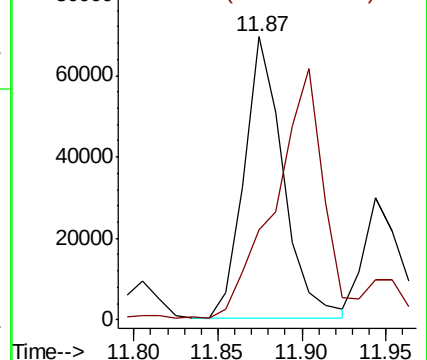
75 100

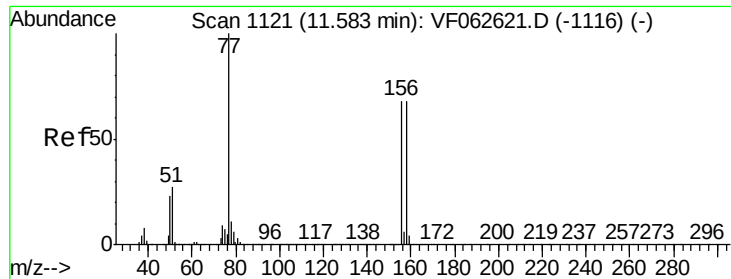
77 31.8 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.211 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

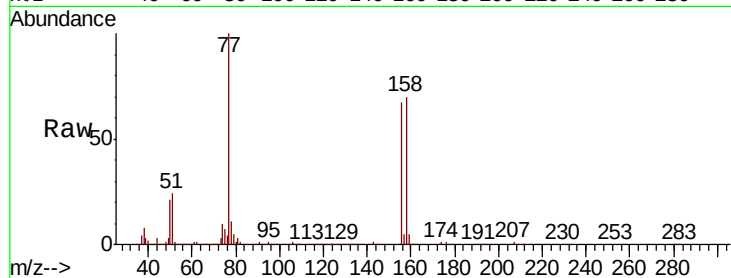
Tot Ion:156 Resp: 196890

Ion Ratio Lower Upper

156 100

77 149.0 73.6 220.8

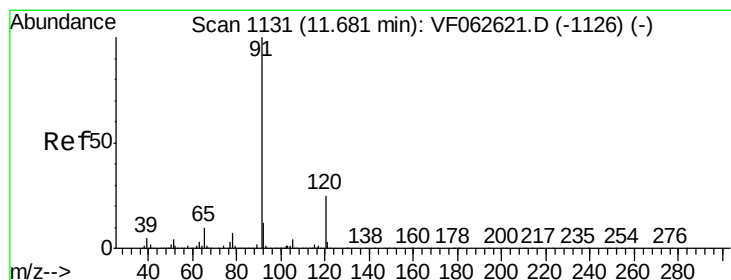
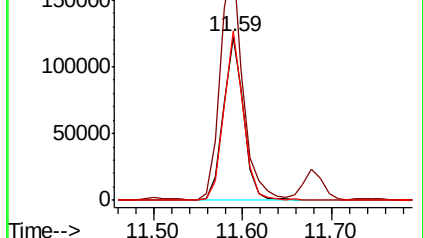
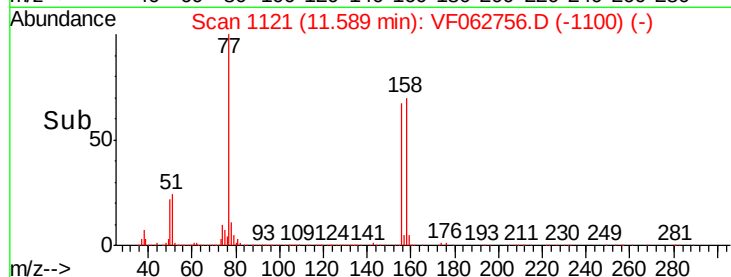
158 103.7 49.6 148.8



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: 22.368 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062756.D

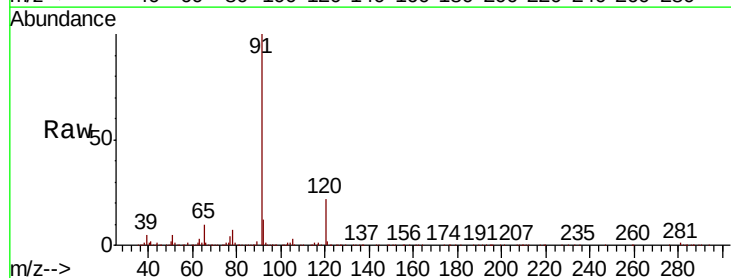
Acq: 28 May 2019 13:05

Tgt Ion: 91 Resp: 988575

Ion Ratio Lower Upper

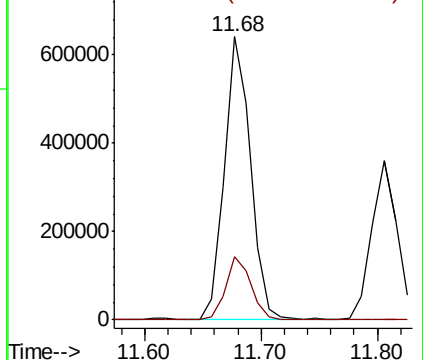
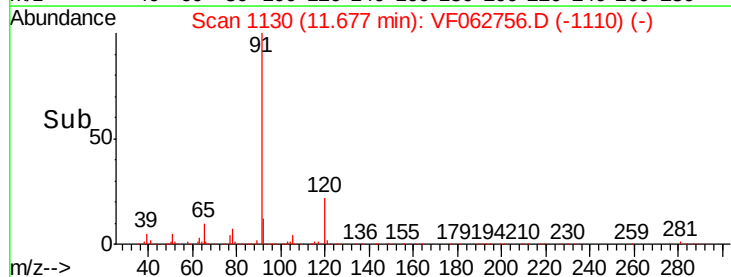
91 100

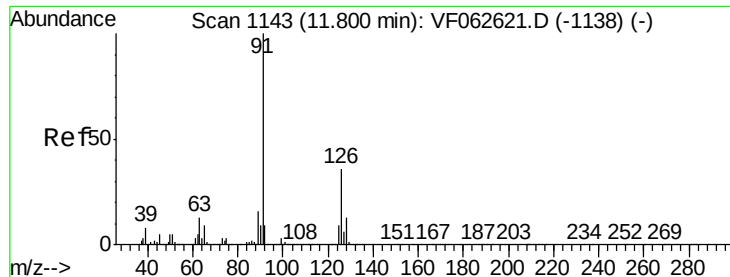
120 22.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.936 ug/l

RT: 11.81 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

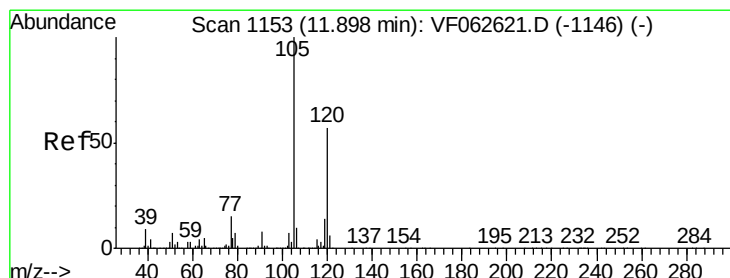
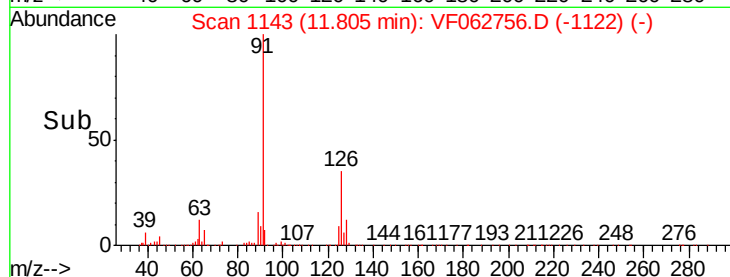
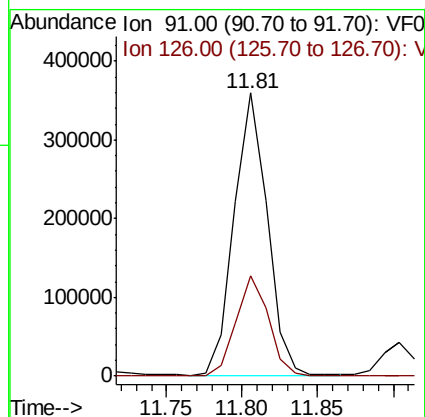
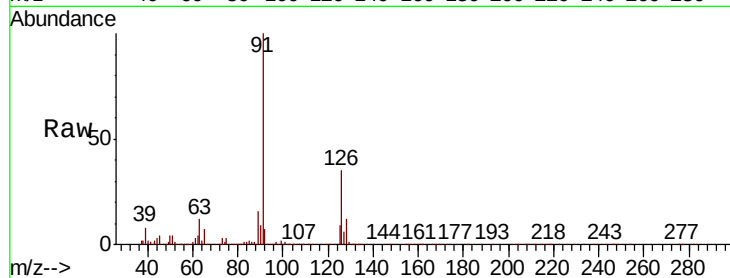
VF0528SBS01

Tot Ion: 91 Resp: 546356

Ion Ratio Lower Upper

91 100

126 35.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.962 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062756.D

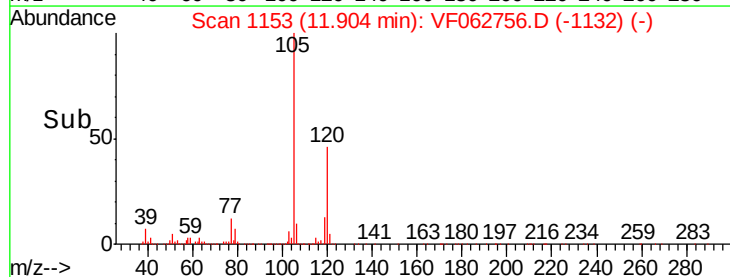
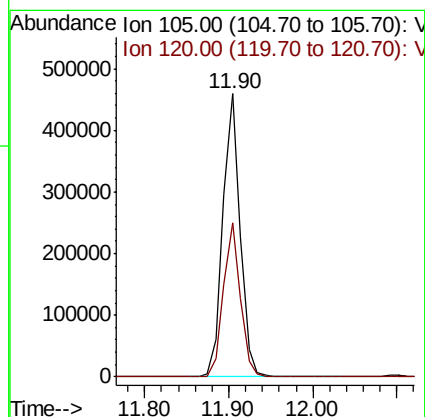
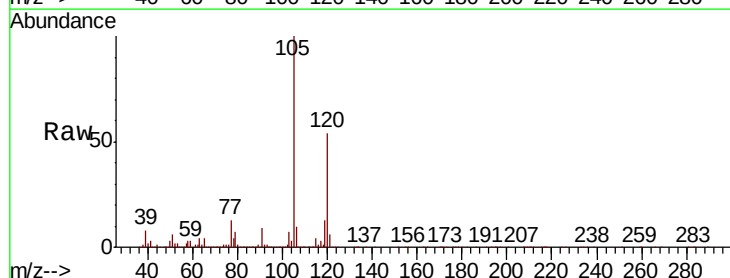
Acq: 28 May 2019 13:05

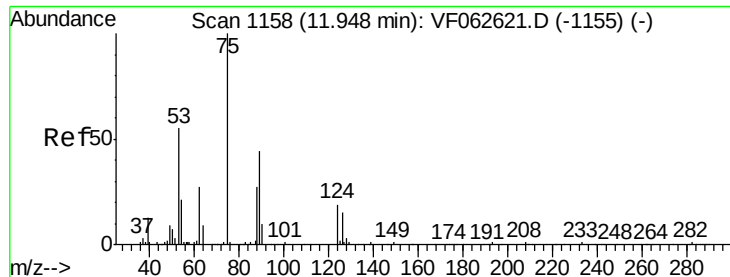
Tgt Ion: 105 Resp: 657639

Ion Ratio Lower Upper

105 100

120 54.3 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 26.044 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

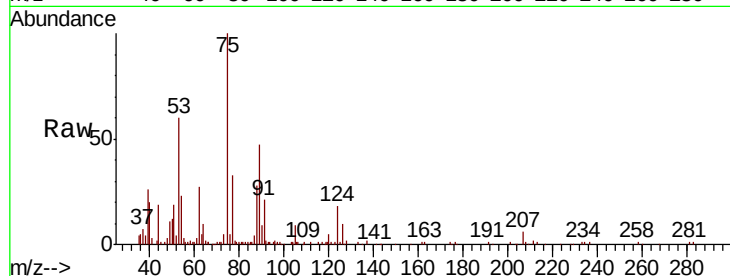
Tot Ion: 75 Resp: 58052

Ion Ratio Lower Upper

75 100

53 60.2 46.9 70.3

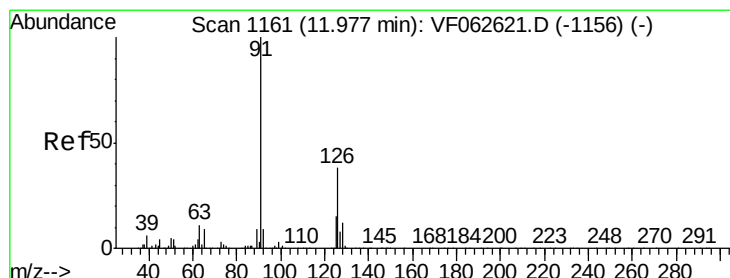
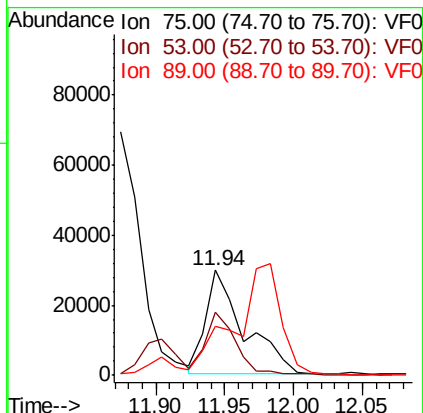
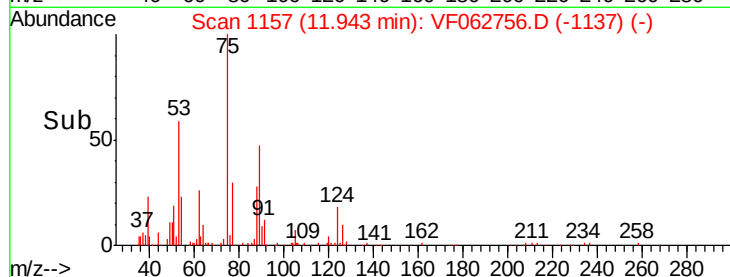
89 47.3 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.920 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062756.D

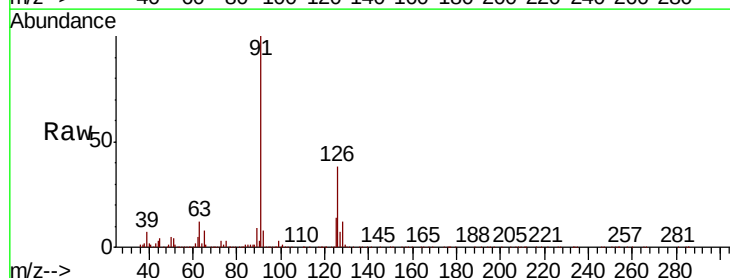
Acq: 28 May 2019 13:05

Tgt Ion: 91 Resp: 538378

Ion Ratio Lower Upper

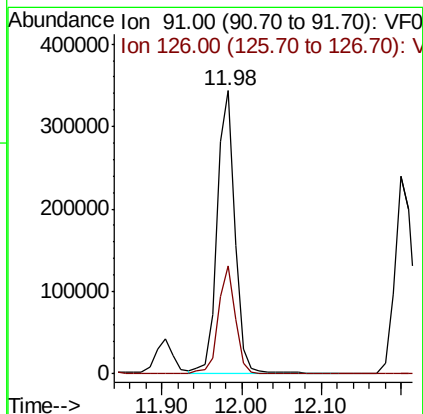
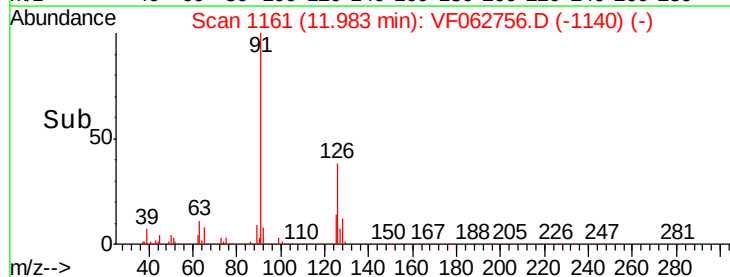
91 100

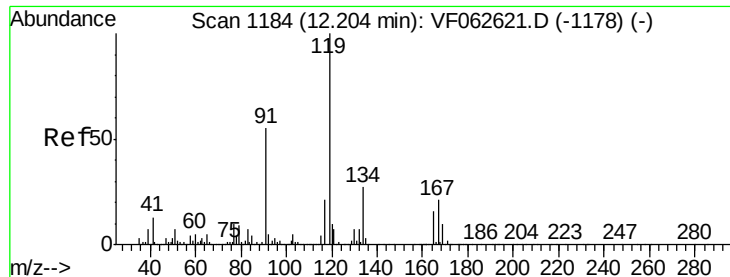
126 38.0 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

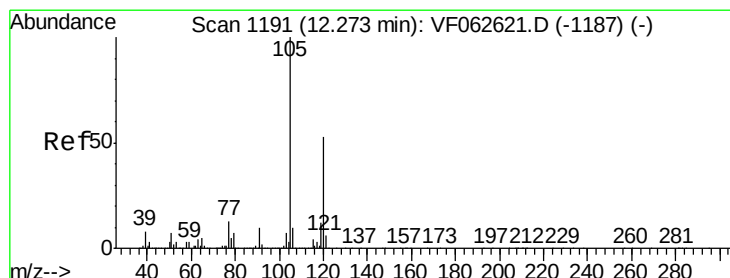
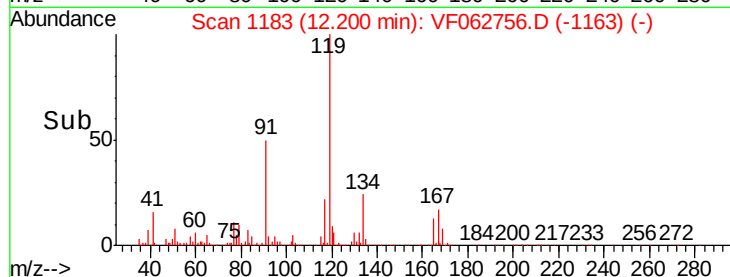
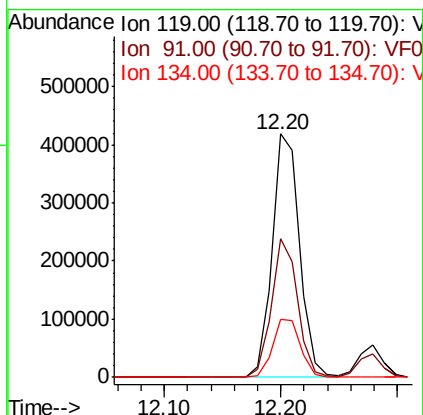
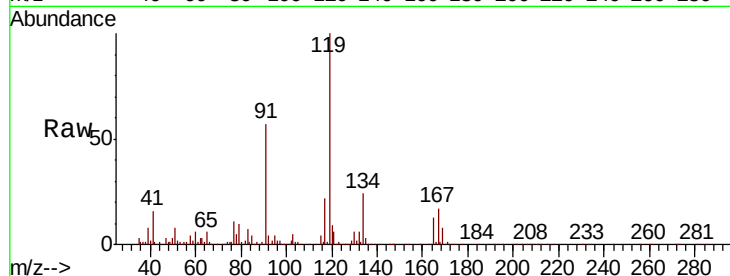




#83
 tert-Butylbenzene
 Concen: 22.388 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

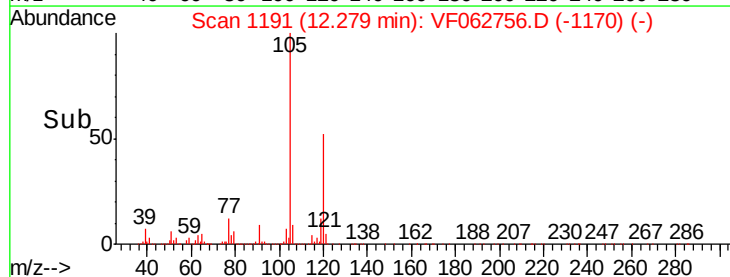
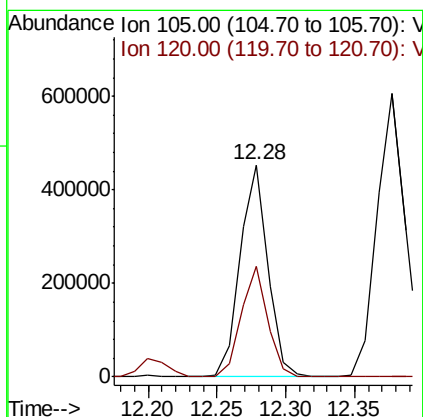
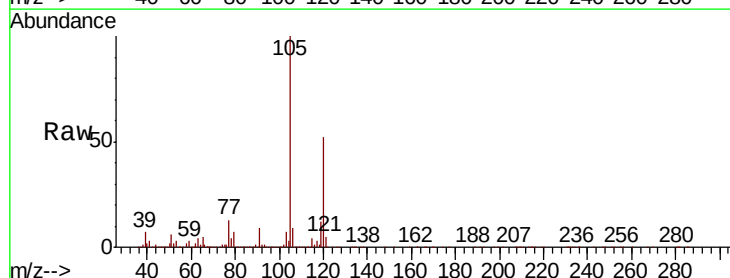
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

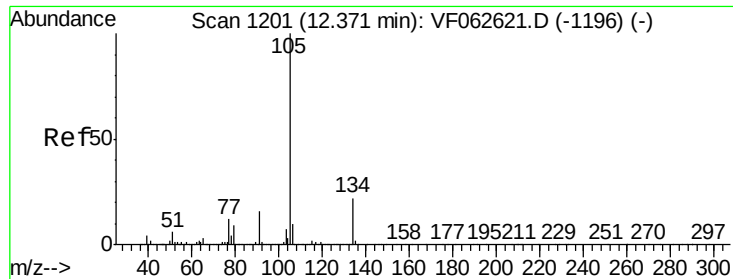
Tot Ion:119 Resp: 680154
 Ion Ratio Lower Upper
 119 100
 91 57.0 27.3 81.9
 134 23.7 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.007 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion:105 Resp: 637809
 Ion Ratio Lower Upper
 105 100
 120 52.4 26.7 80.1





#85

sec-Butylbenzene

Concen: 21.353 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

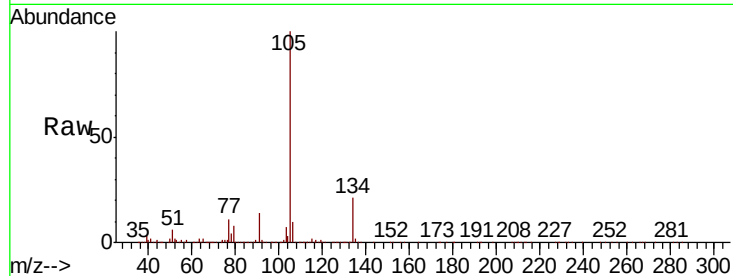
VF0528SBSD01

Tot Ion:105 Resp: 870583

Ion Ratio Lower Upper

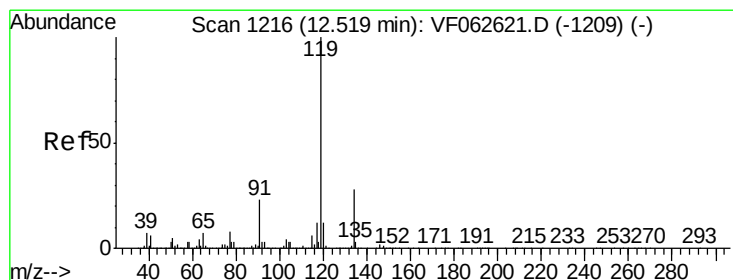
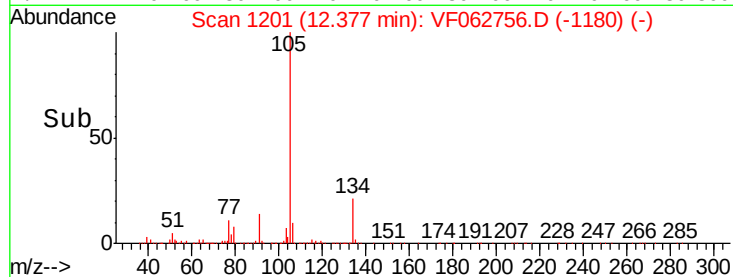
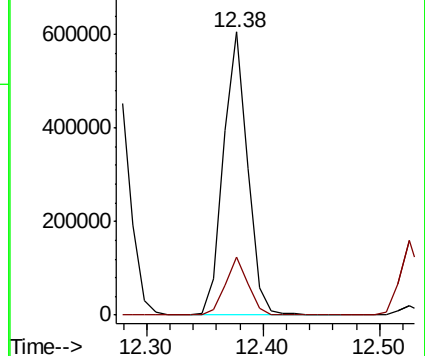
105 100

134 20.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.116 ug/l

RT: 12.53 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

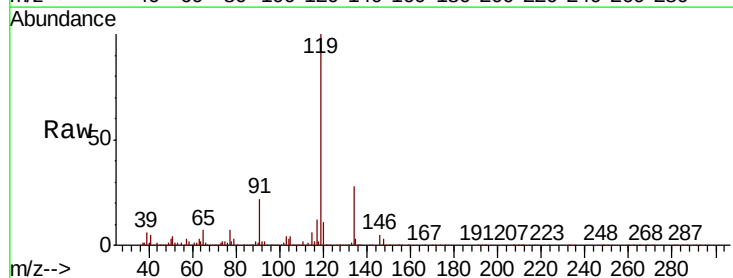
Tgt Ion:119 Resp: 759877

Ion Ratio Lower Upper

119 100

134 27.7 14.1 42.3

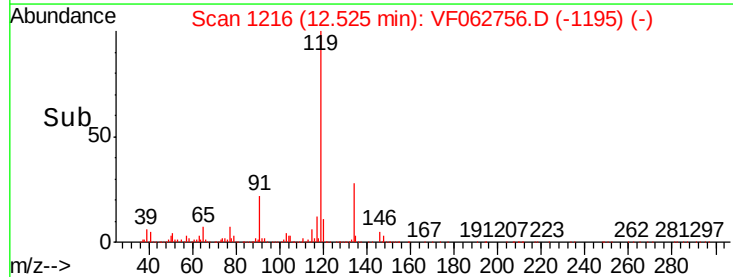
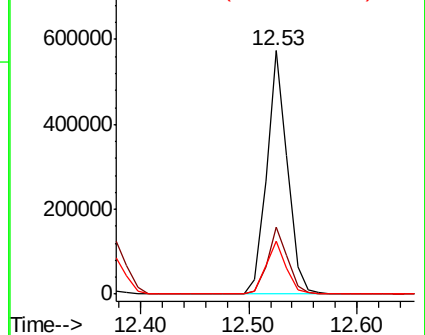
91 21.8 11.4 34.2

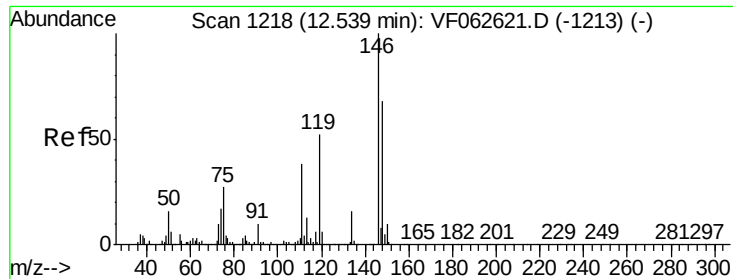


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

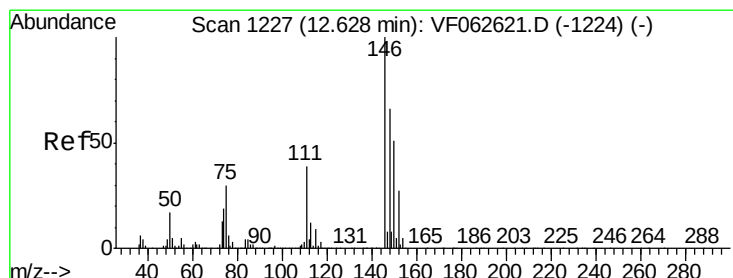
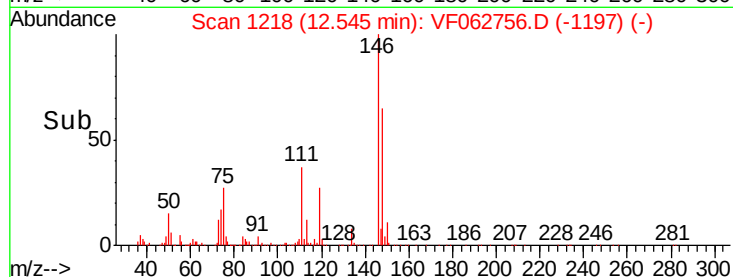
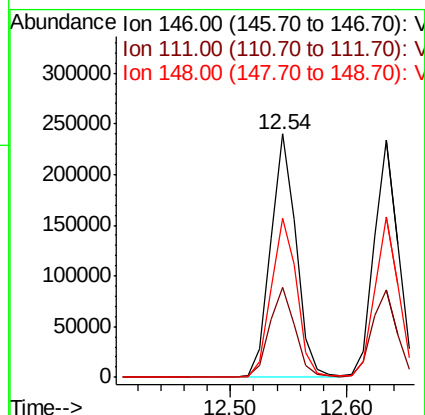
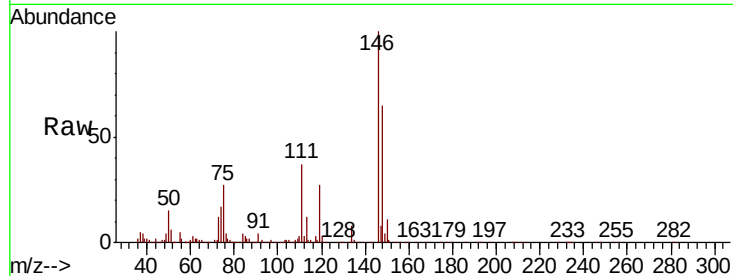




#87
 1,3-Dichlorobenzene
 Concen: 21.608 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

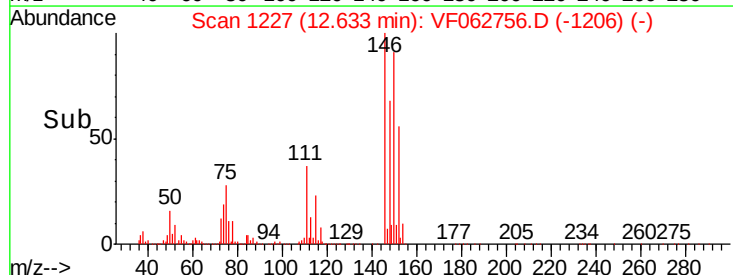
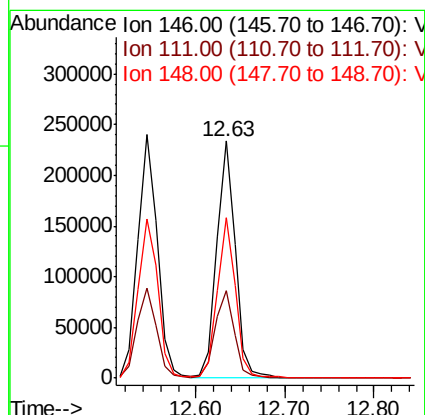
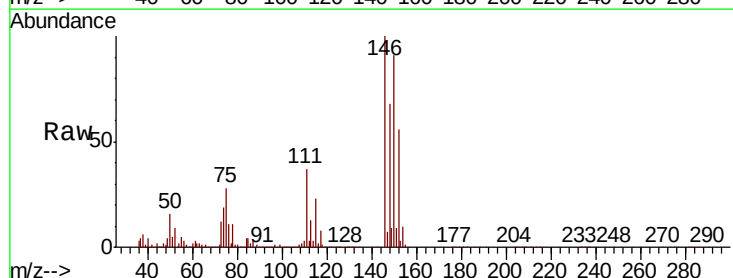
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

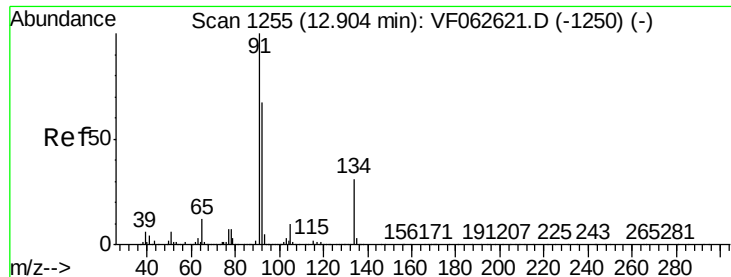
Tot Ion:146 Resp: 362876
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.9
 148 65.4 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.626 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion:146 Resp: 340816
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.4 58.2
 148 67.9 33.2 99.6





#89

n-Butylbenzene

Concen: 22.728 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

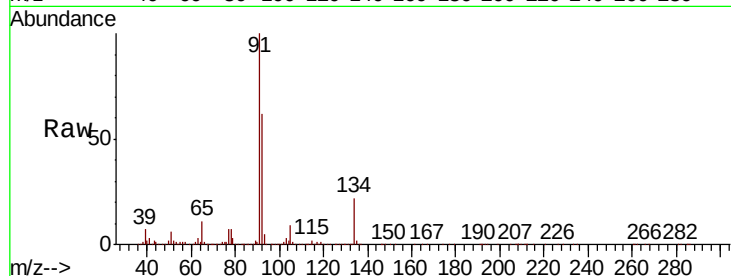
Tot Ion: 91 Resp: 769946

Ion Ratio Lower Upper

91 100

92 62.3 33.3 99.8

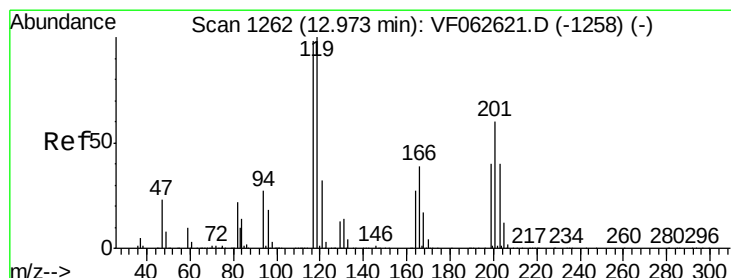
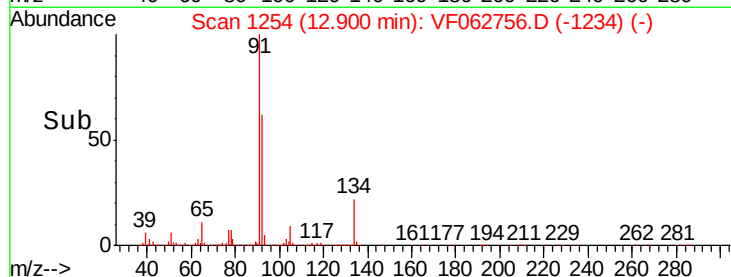
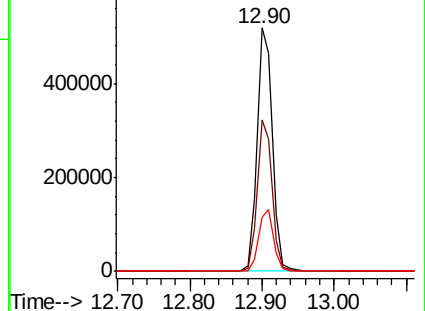
134 22.4 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.582 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062756.D

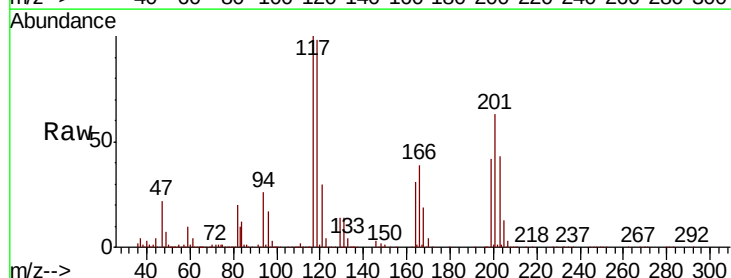
Acq: 28 May 2019 13:05

Tgt Ion: 117 Resp: 177886

Ion Ratio Lower Upper

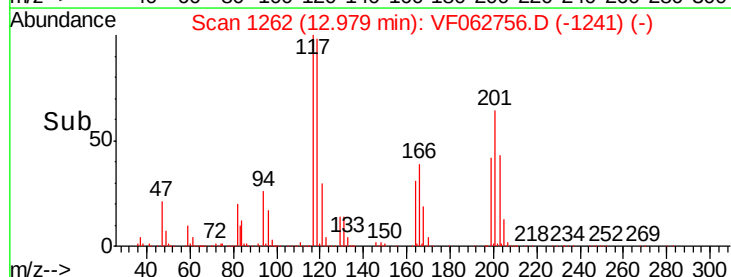
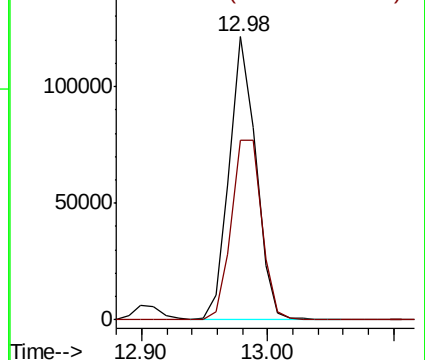
117 100

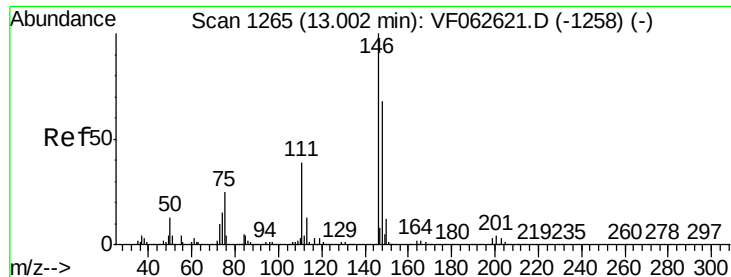
201 63.4 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.801 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

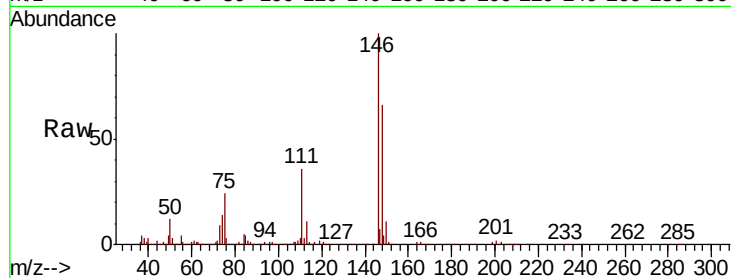
Tot Ion:146 Resp: 326357

Ion Ratio Lower Upper

146 100

111 35.7 19.8 59.3

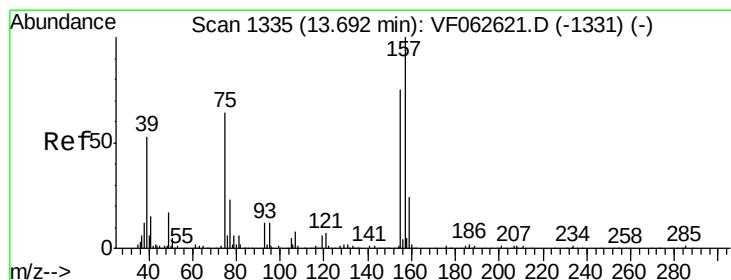
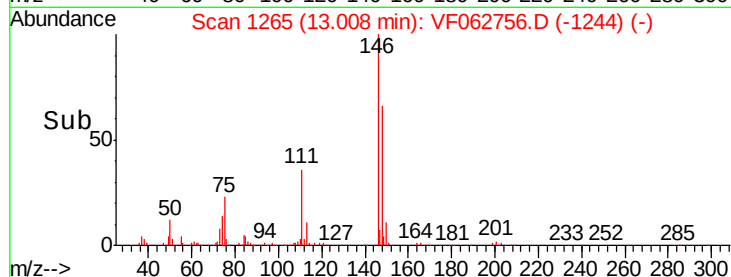
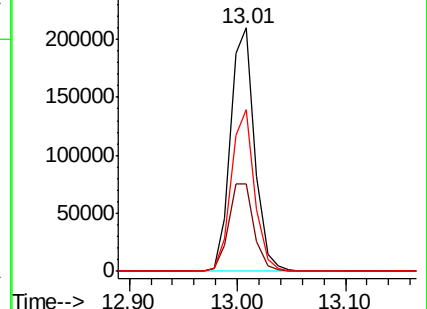
148 66.3 34.1 102.2



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: 22.495 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

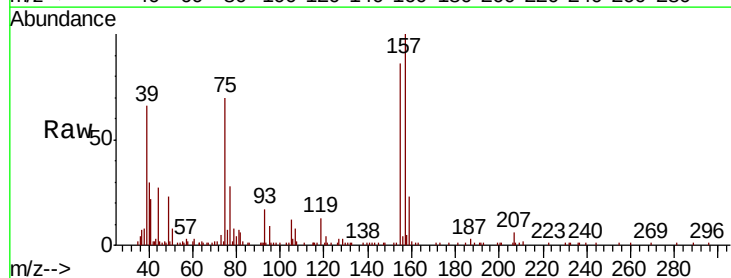
Tgt Ion: 75 Resp: 20480

Ion Ratio Lower Upper

75 100

155 122.4 58.1 174.3

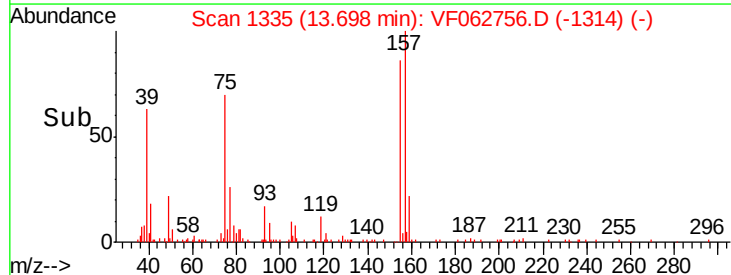
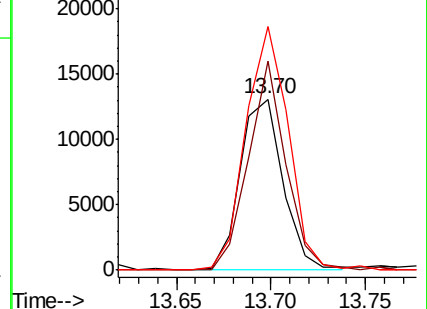
157 142.6 77.8 233.4

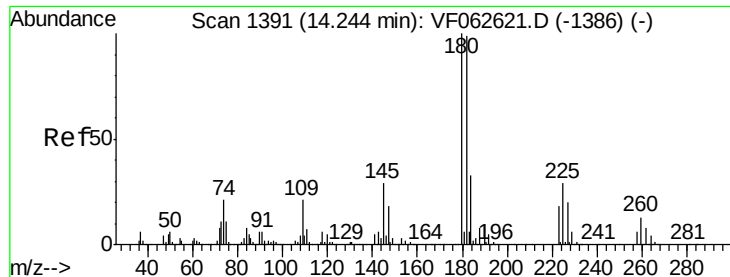


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

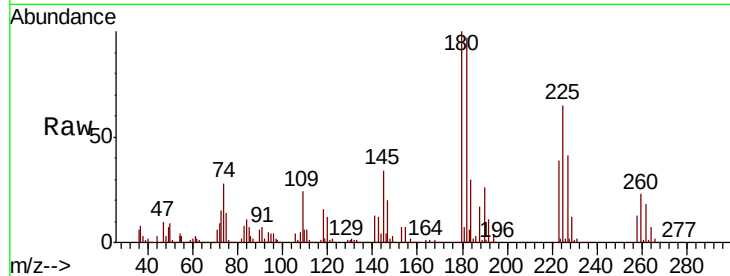




#93
 1,2,4-Trichlorobenzene
 Concen: 22.060 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	49.7	149.1
145	33.8	14.6	44.0

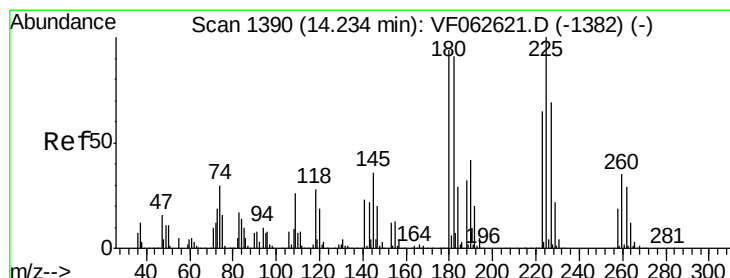
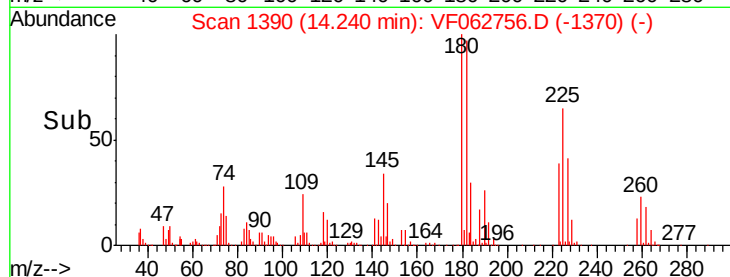
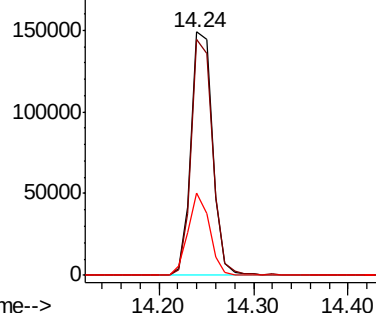


Abundance

Ion 180.00 (179.70 to 180.70): V

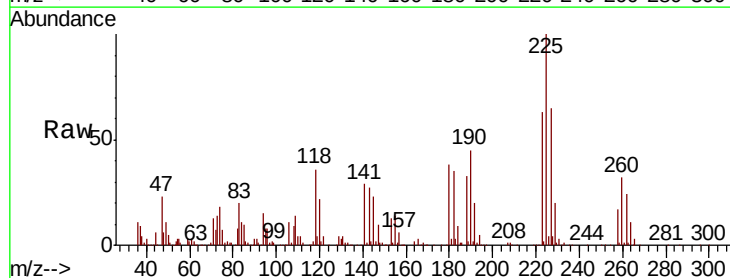
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.577 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.5	97.4
227	65.2	34.5	103.5

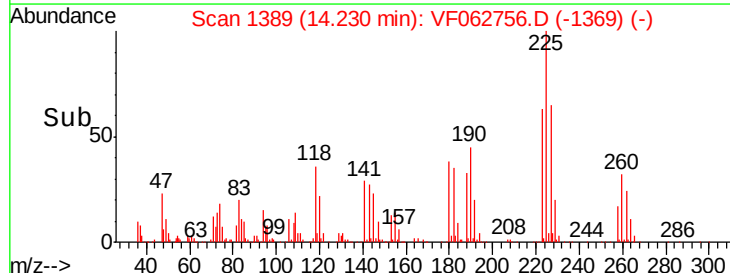
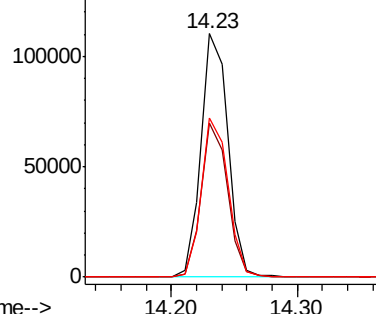


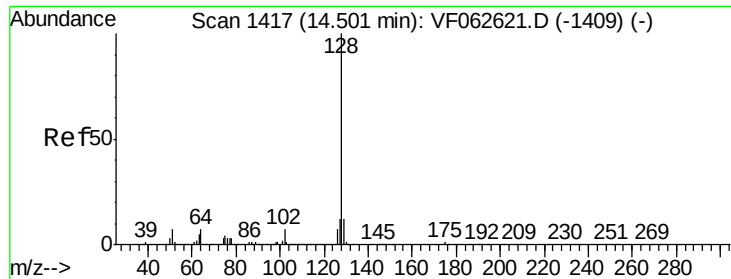
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

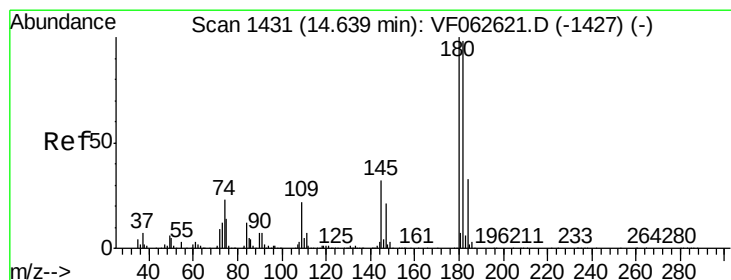
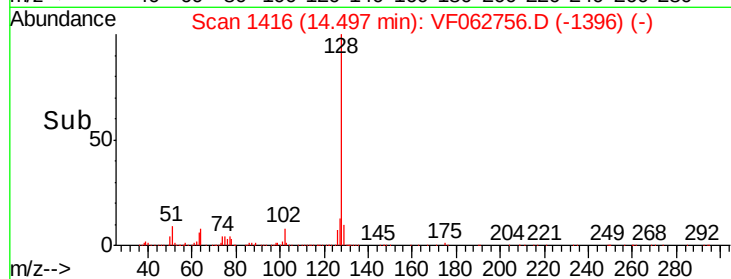
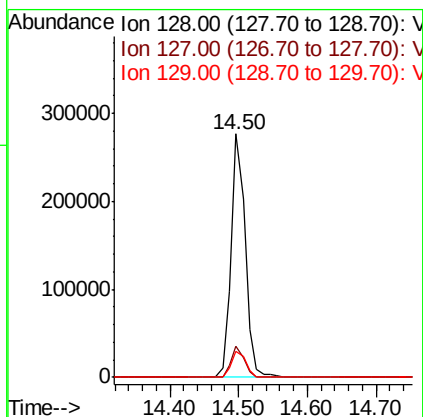
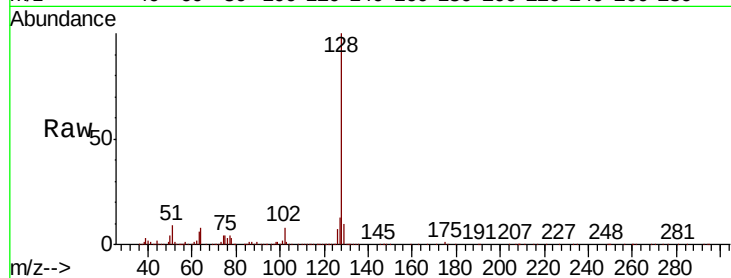




#95
Naphthalene
Concen: 20.213 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

Tot Ion:128 Resp: 393489
Ion Ratio Lower Upper
128 100
127 12.6 9.7 14.5
129 10.5 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 21.190 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion:180 Resp: 215078
Ion Ratio Lower Upper
180 100
182 96.2 48.9 146.7
145 28.0 16.1 48.2

