

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062755.D
 Acq On : 28 May 2019 12:37
 Operator : FY/SY
 Sample : VF0528SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Quant Time: May 29 01:44:26 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	5.08	168	585947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	876698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	626496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	291664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	119847	28.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	57.88%	
35) Dibromofluoromethane	4.33	113	286838	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
50) Toluene-d8	7.73	98	710787	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.50	95	240559	39.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	168972	21.191	ug/l	99
3) Chloromethane	1.13	50	143385	19.529	ug/l	93
4) Vinyl Chloride	1.19	62	141447	20.929	ug/l	93
5) Bromomethane	1.37	94	80562	21.789	ug/l	93
6) Chloroethane	1.45	64	57872	23.315	ug/l #	77
7) Trichlorofluoromethane	1.55	101	228058	25.131	ug/l	85
8) Diethyl Ether	1.71	74	27321	15.197	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	141894	24.556	ug/l	97
10) Methyl Iodide	1.98	142	246143	21.685	ug/l	95
11) Tert butyl alcohol	2.71	59	16284	59.569	ug/l #	46
12) 1,1-Dichloroethene	1.87	96	125640	23.869	ug/l #	90
13) Acrolein	2.11	56	14223	49.843	ug/l	94
14) Allyl chloride	2.21	41	123913	26.010	ug/l	92
15) Acrylonitrile	3.10	53	55366	71.800	ug/l #	86
16) Acetone	2.36	43	54019	50.288	ug/l	93
17) Carbon Disulfide	1.89	76	373315	23.928	ug/l	95
18) Methyl Acetate	2.47	43	24868	14.732	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	142076	15.099	ug/l #	86
20) Methylene Chloride	2.30	84	102342	19.007	ug/l	92
21) trans-1,2-Dichloroethene	2.44	96	110623	21.502	ug/l	89
22) Diisopropyl ether	2.95	45	201561	17.155	ug/l	97
23) Vinyl Acetate	3.36	43	477683	60.267	ug/l	98
24) 1,1-Dichloroethane	3.03	63	178806	20.744	ug/l	99
25) 2-Butanone	4.54	43	91515	39.875	ug/l #	89
26) 2,2-Dichloropropane	3.79	77	157160	31.866	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	170930	20.198	ug/l	92
28) Bromochloromethane	3.92	49	70366	14.556	ug/l	83
29) Tetrahydrofuran	4.29	42	52846	56.902	ug/l #	90
30) Chloroform	4.07	83	250882	20.964	ug/l	95
31) Cyclohexane	3.89	56	276060	23.853	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	205220	25.821	ug/l	98
36) 1,1-Dichloropropene	4.49	75	196507	21.874	ug/l	97
38) Carbon Tetrachloride	4.21	117	202436	29.963	ug/l	95
39) Methylcyclohexane	5.65	83	296336	27.415	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)
40) Benzene	4.84	78	566572	23.151	ug/l	99
41) Methacrylonitrile	4.96	41	23591	12.268	ug/l #	87
42) 1,2-Dichloroethane	5.15	62	82388	16.881	ug/l	99
43) Isopropyl Acetate	7.13	43	50248	10.574	ug/l	91
44) Trichloroethene	5.71	130	152413	22.158	ug/l	86
45) 1,2-Dichloropropane	6.43	63	116806	18.907	ug/l	95
46) Dibromomethane	6.28	93	59323	16.615	ug/l	95
47) Bromodichloromethane	6.57	83	138195	18.644	ug/l	99
48) Methyl methacrylate	6.89	41	25143	10.123	ug/l	94
49) 1,4-Dioxane	6.89	88	7676	241.292	ug/l #	82
51) 4-Methyl-2-Pentanone	8.42	43	195191	60.093	ug/l	93
52) Toluene	7.80	92	290911	22.666	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	97386	16.060	ug/l	89
54) cis-1,3-Dichloropropene	7.47	75	157338	18.535	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	57294	15.076	ug/l	91
56) Ethyl methacrylate	8.77	69	62119	13.720	ug/l	96
57) 1,3-Dichloropropane	9.01	76	103030	15.917	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	89625	60.816	ug/l	92
59) 2-Hexanone	9.64	43	129629	46.855	ug/l	97
60) Dibromochloromethane	8.87	129	86238	17.411	ug/l	96
61) 1,2-Dibromoethane	9.15	107	63569	15.749	ug/l	97
64) Tetrachloroethene	8.32	164	128137	25.817	ug/l	93
65) Chlorobenzene	9.95	112	275383	22.380	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	117260	23.738	ug/l	98
67) Ethyl Benzene	10.04	91	542417	25.375	ug/l	99
68) m/p-Xylenes	10.27	106	400859	49.894	ug/l	84
69) o-Xylene	10.83	106	195299	23.600	ug/l	98
70) Stvrene	10.90	104	262761	20.891	ug/l	99
71) Bromoform	10.89	173	40150	16.229	ug/l #	96
73) Isopropylbenzene	11.23	105	588141	28.135	ug/l	96
74) N-amyl acetate	11.45	43	79129	10.628	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.78	83	68563	16.049	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	41004	14.608	ug/l	93
77) Bromobenzene	11.59	156	109946	21.159	ug/l	89
78) n-propylbenzene	11.68	91	704956	28.495	ug/l	91
79) 2-Chlorotoluene	11.81	91	347478	24.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	447446	26.694	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	16448	13.182	ug/l #	90
82) 4-Chlorotoluene	11.98	91	331592	24.118	ug/l	90
83) tert-Butylbenzene	12.20	119	477442	28.075	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	406572	25.061	ug/l	88
85) sec-Butylbenzene	12.38	105	656387	28.761	ug/l	97
86) p-Isopropyltoluene	12.53	119	521112	27.094	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	211909	22.542	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	196762	22.304	ug/l	96
89) n-Butylbenzene	12.90	91	537284	28.333	ug/l	90
90) Hexachloroethane	12.98	117	127678	27.673	ug/l	81
91) 1,2-Dichlorobenzene	13.00	146	175001	20.884	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7562	14.838	ug/l	82
93) 1,2,4-Trichlorobenzene	14.24	180	118035	19.678	ug/l	96

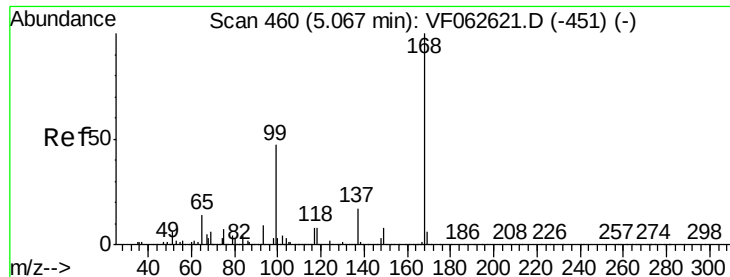
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.23	225	111517	26.640	ug/l	93
95) Naphthalene	14.50	128	133448	12.246	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	95536	16.815	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

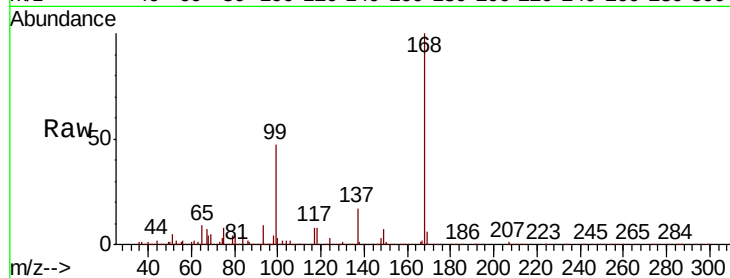
VF0528SBS01

Tot Ion:168 Resp: 585947

Ion Ratio Lower Upper

168 100

99 47.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

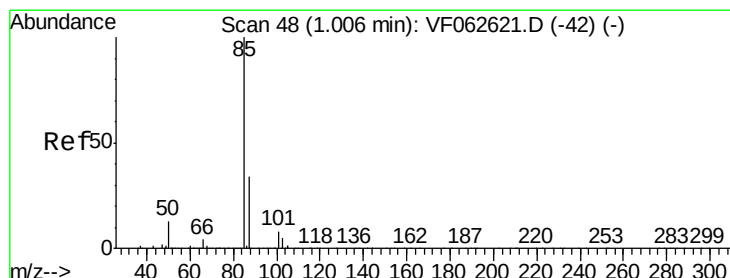
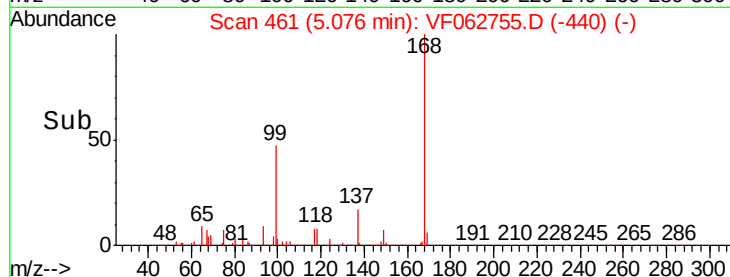
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.191 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062755.D

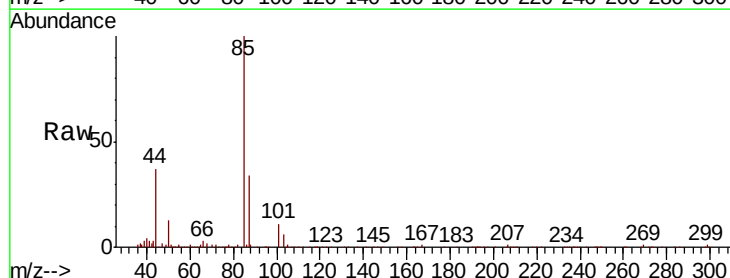
Acq: 28 May 2019 12:37

Tgt Ion: 85 Resp: 168972

Ion Ratio Lower Upper

85 100

87 33.8 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

60000

50000

40000

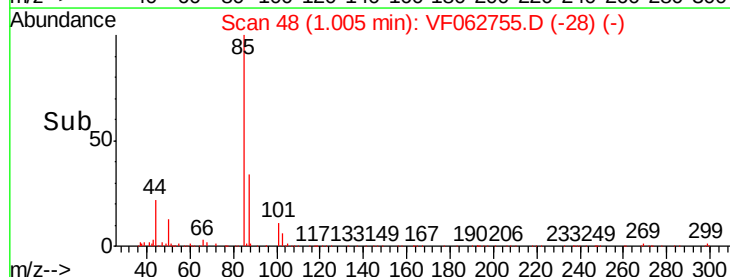
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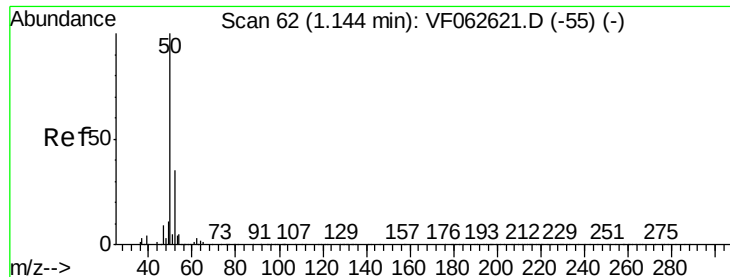
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.529 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

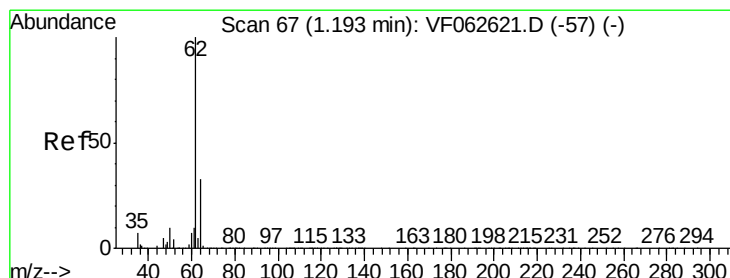
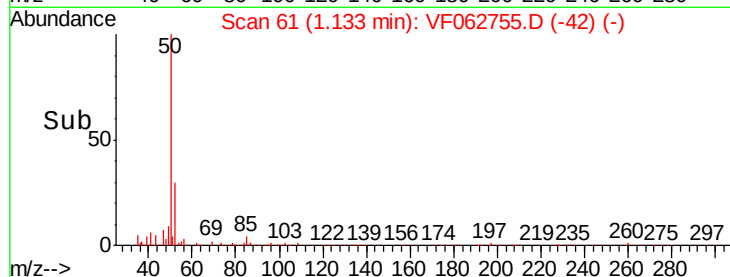
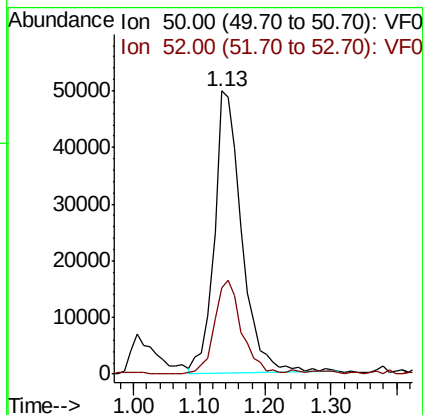
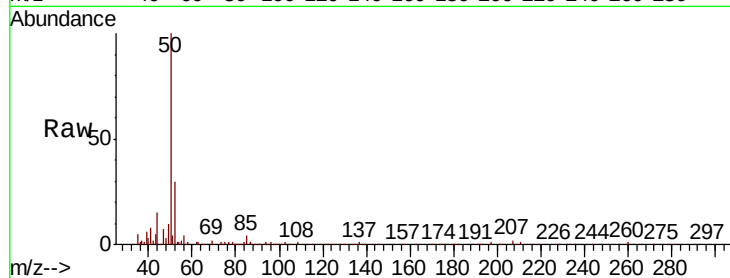
VF0528SBS01

Tot Ion: 50 Resp: 143385

Ion Ratio Lower Upper

50 100

52 30.3 27.5 41.3



#4

Vinyl Chloride

Concen: 20.929 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062755.D

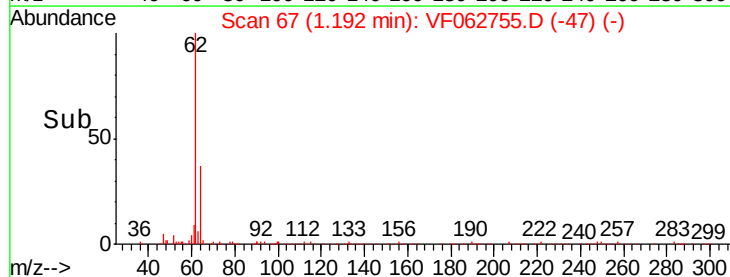
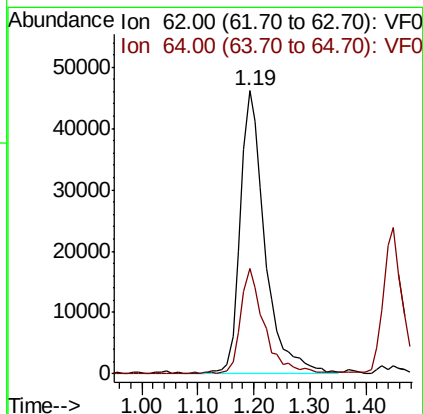
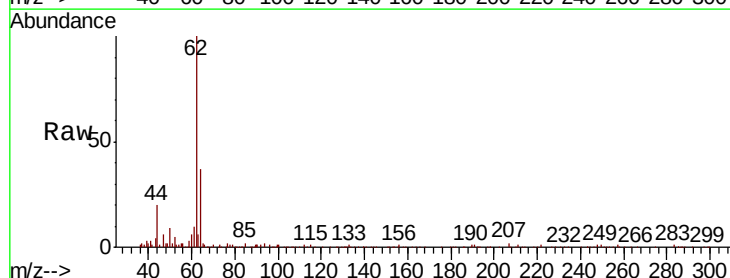
Acq: 28 May 2019 12:37

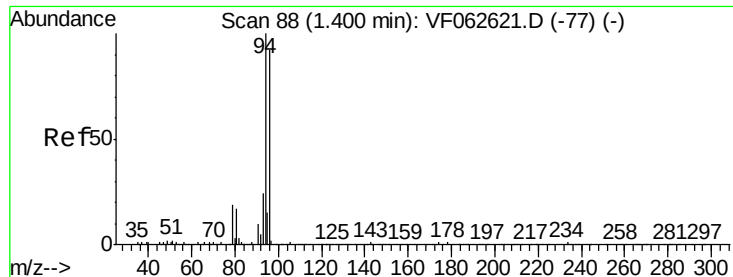
Tgt Ion: 62 Resp: 141447

Ion Ratio Lower Upper

62 100

64 37.3 26.7 40.1





#5

Bromomethane

Concen: 21.789 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

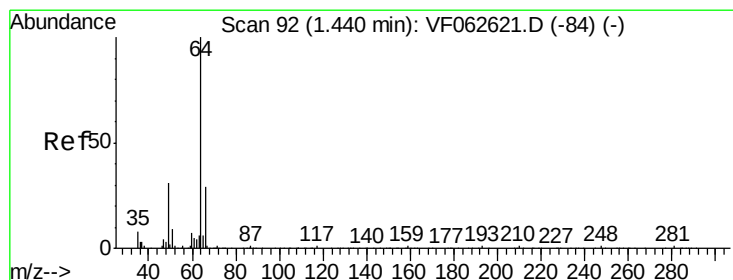
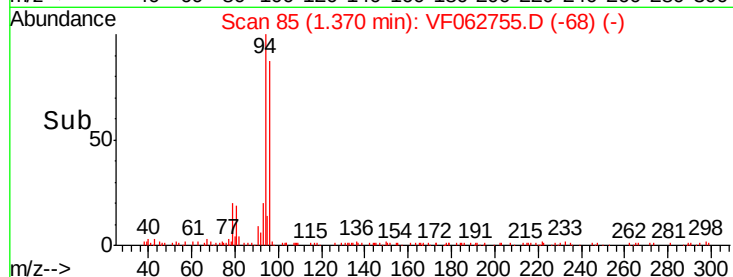
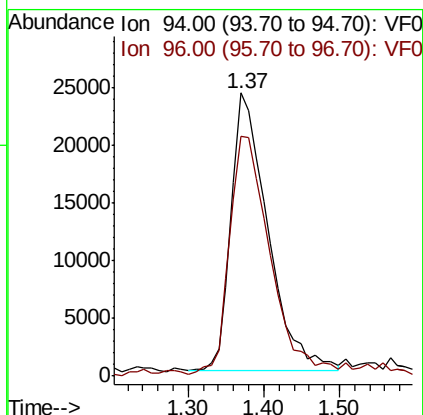
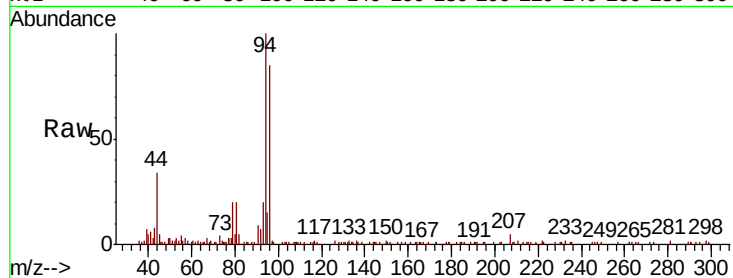
VF0528SBS01

Tot Ion: 94 Resp: 80562

Ion Ratio Lower Upper

94 100

96 84.8 73.2 109.8



#6

Chloroethane

Concen: 23.315 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062755.D

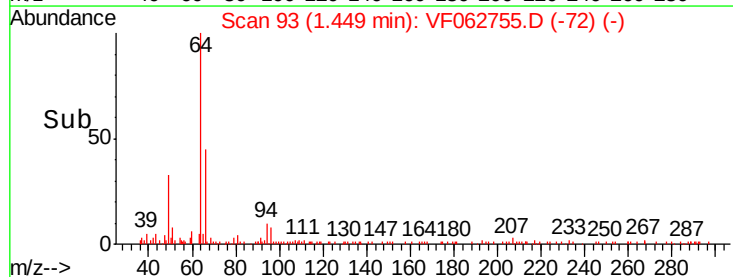
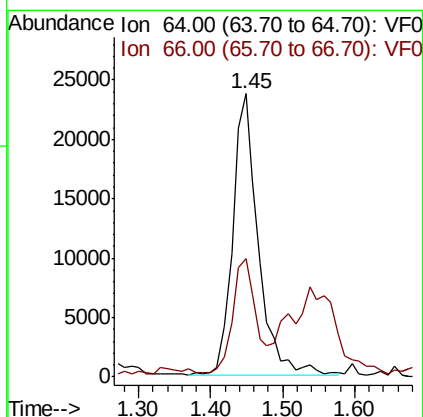
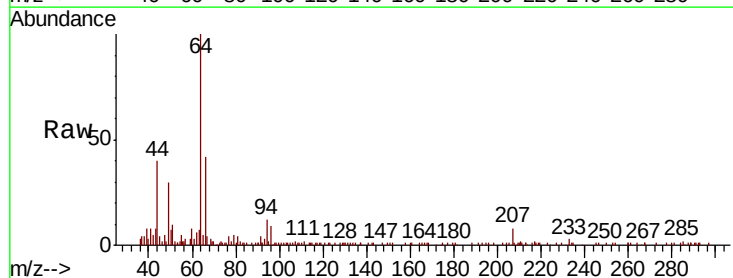
Acq: 28 May 2019 12:37

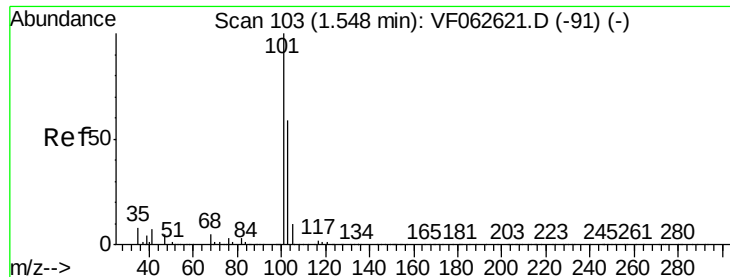
Tgt Ion: 64 Resp: 57872

Ion Ratio Lower Upper

64 100

66 41.7 23.4 35.2#



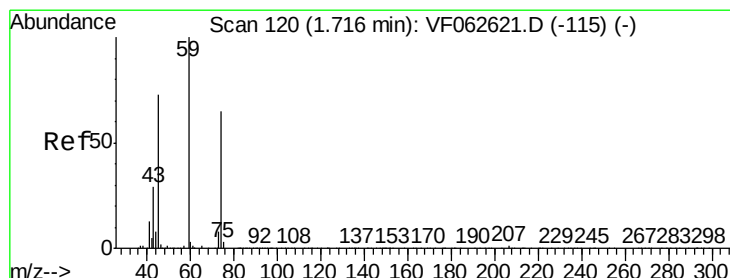
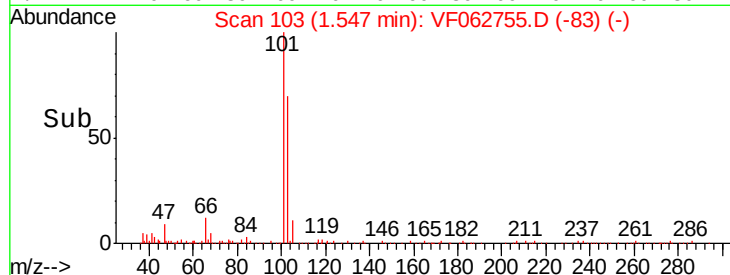
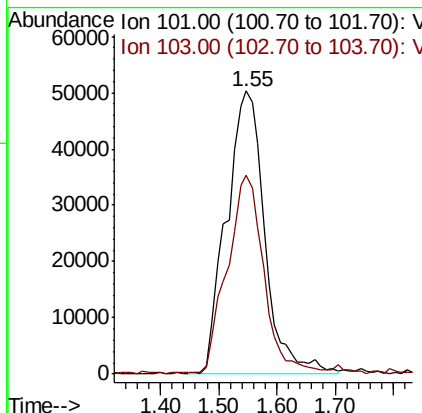
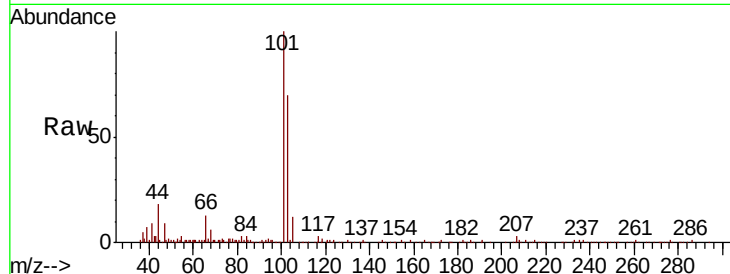


#7

Trichlorofluoromethane
 Concen: 25.131 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
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 ClientSampleId :
 VF0528SBS01

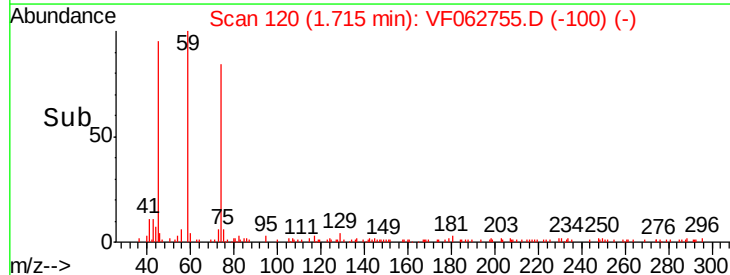
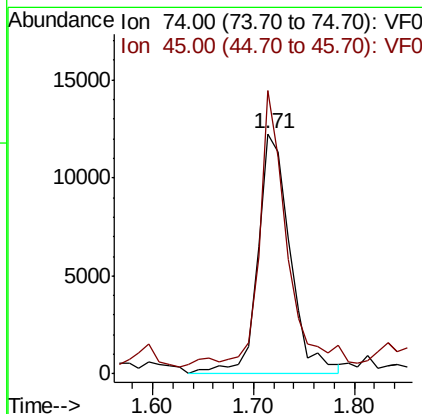
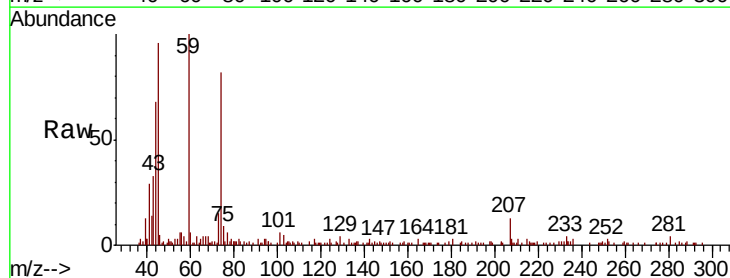
Tot Ion:101 Resp: 228058
 Ion Ratio Lower Upper
 101 100
 103 70.5 47.3 70.9

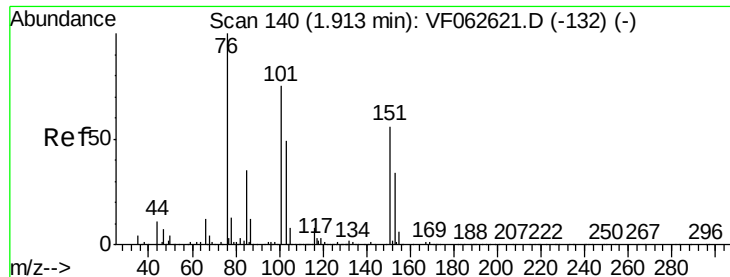


#8

Diethyl Ether
 Concen: 15.197 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion: 74 Resp: 27321
 Ion Ratio Lower Upper
 74 100
 45 117.8 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.556 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

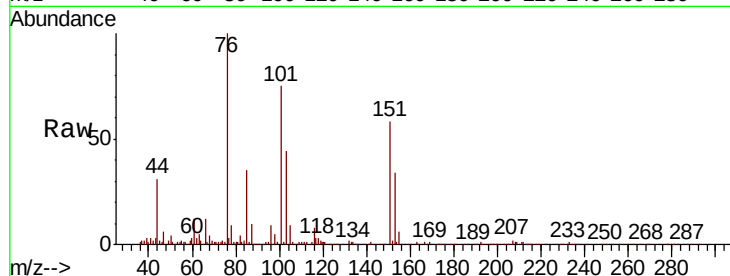
Tot Ion:101 Resp: 141894

Ion Ratio Lower Upper

101 100

85 45.9 37.1 55.7

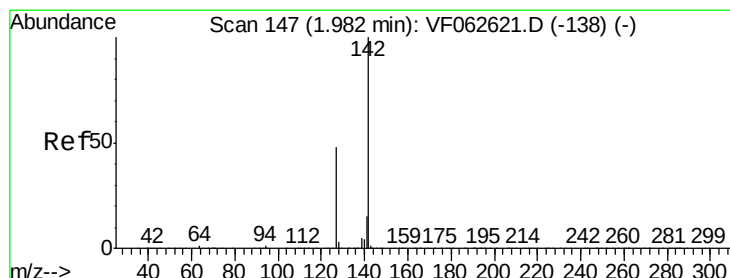
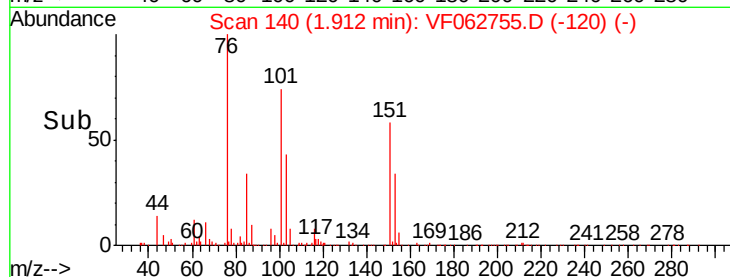
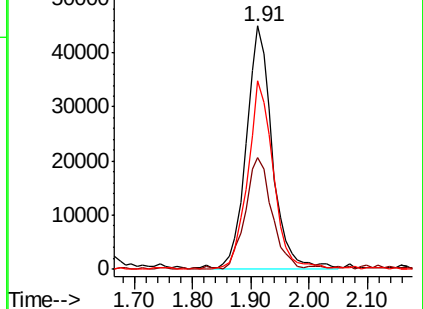
151 77.4 58.8 88.2



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: 21.685 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

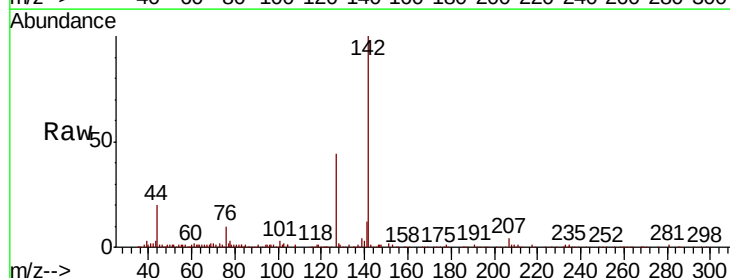
Tgt Ion:142 Resp: 246143

Ion Ratio Lower Upper

142 100

127 44.3 38.1 57.1

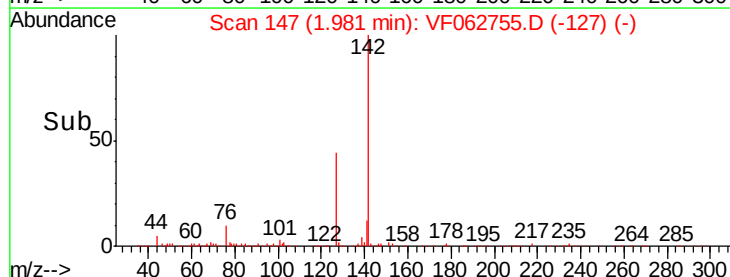
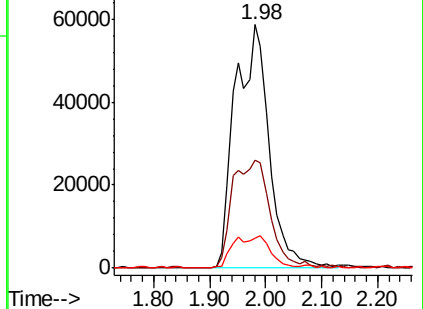
141 12.4 11.7 17.5

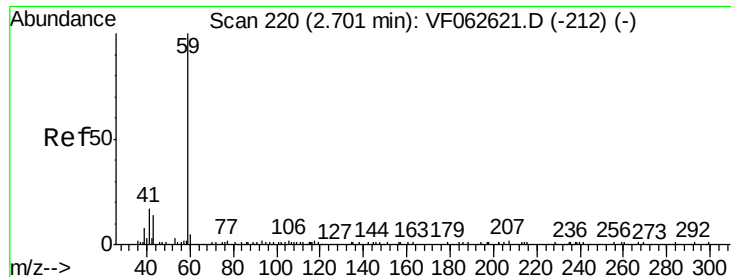


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

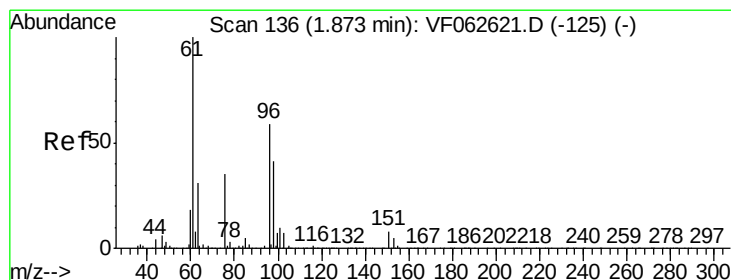
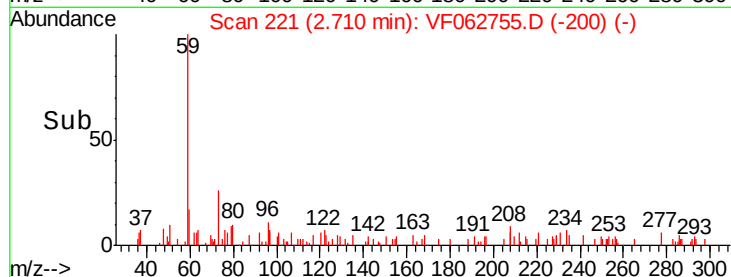
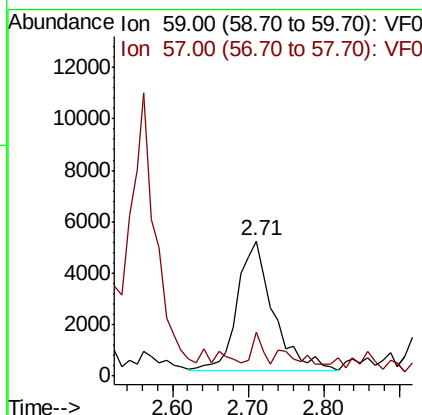
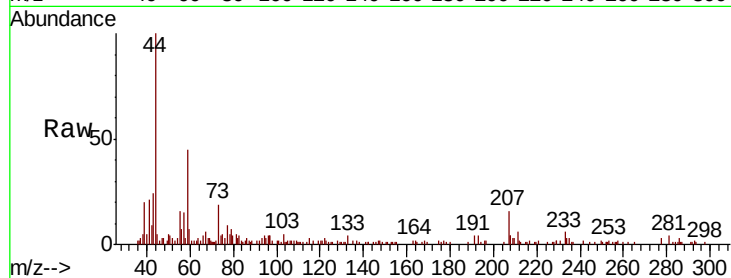




#11
Tert butyl alcohol
Concen: 59.569 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

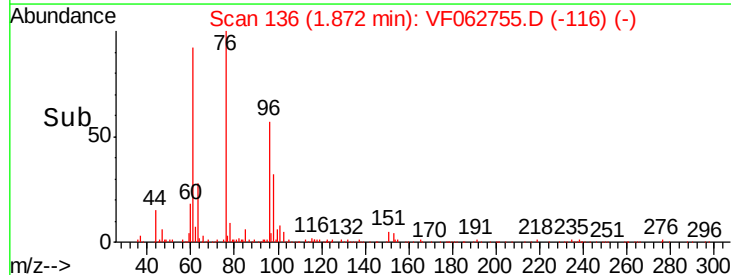
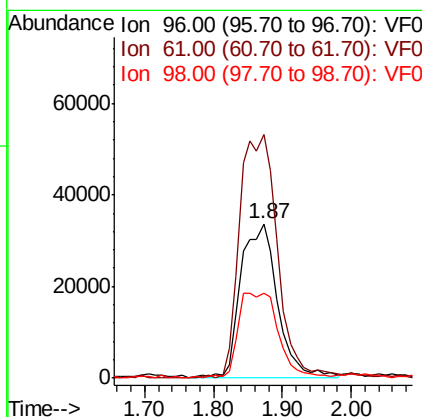
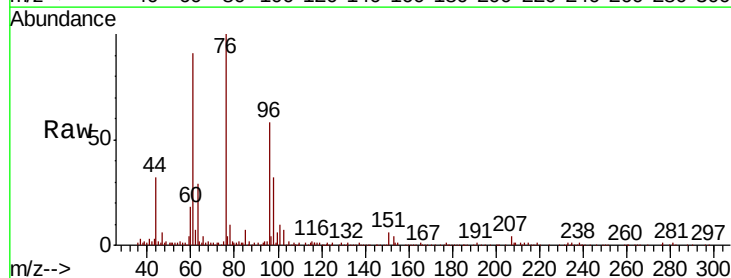
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

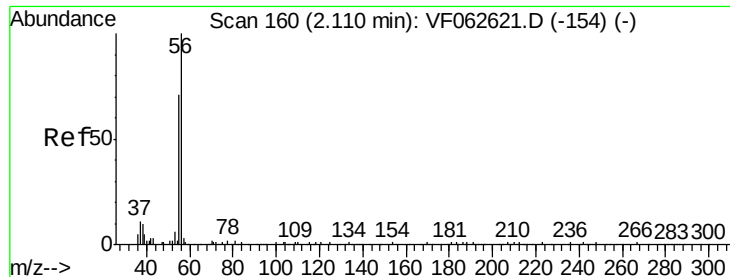
Tot Ion: 59 Resp: 16284
Ion Ratio Lower Upper
59 100
57 32.4 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 23.869 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 96 Resp: 125640
Ion Ratio Lower Upper
96 100
61 157.9 134.3 201.5
98 55.0 55.0 82.6#





#13

Acrolein

Concen: 49.843 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

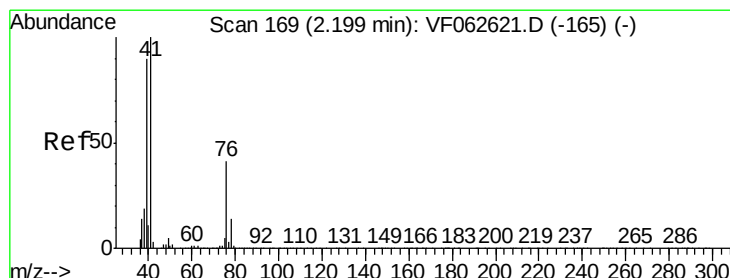
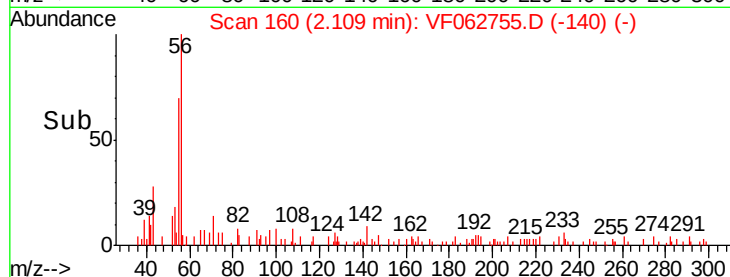
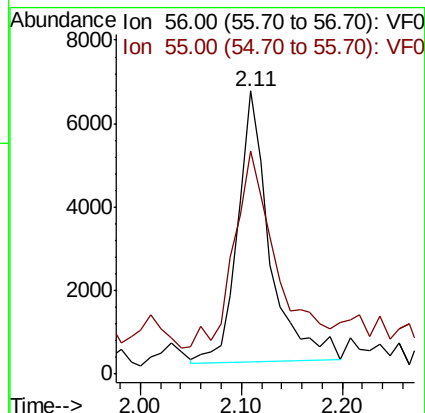
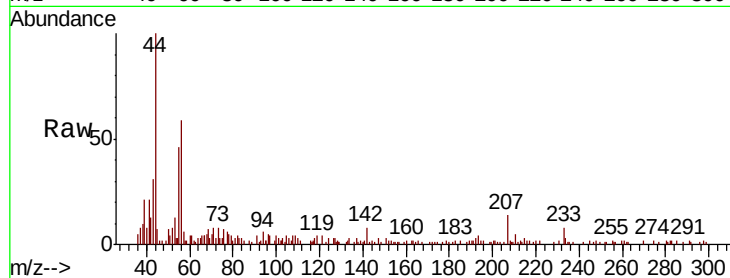
VF0528SBS01

Tot Ion: 56 Resp: 14223

Ion Ratio Lower Upper

56 100

55 78.9 59.4 89.0



#14

Allyl chloride

Concen: 26.010 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

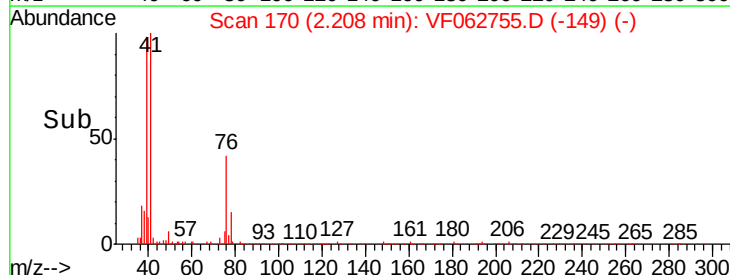
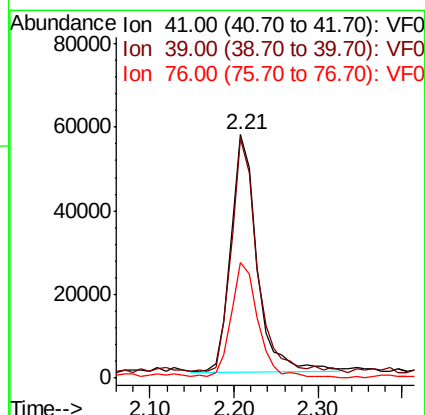
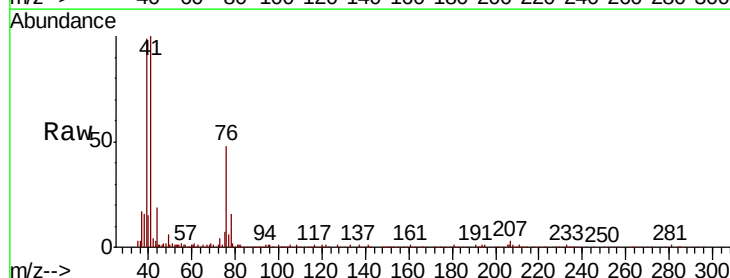
Tgt Ion: 41 Resp: 123913

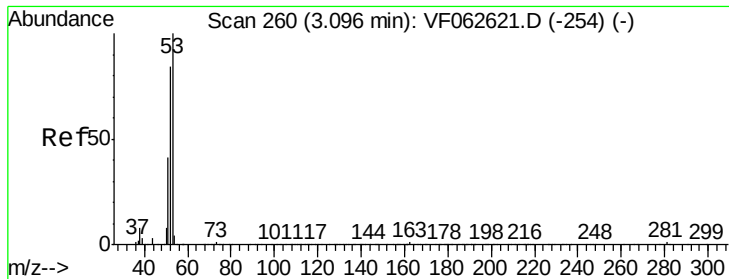
Ion Ratio Lower Upper

41 100

39 98.6 72.0 108.0

76 47.7 34.8 52.2

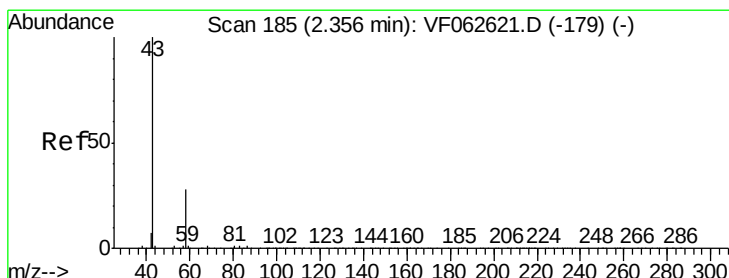
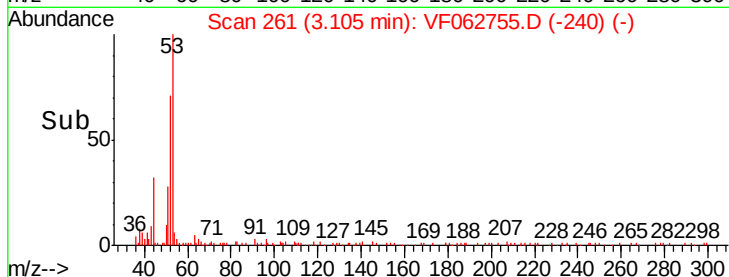
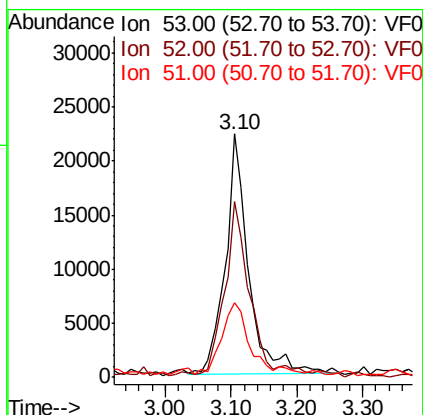
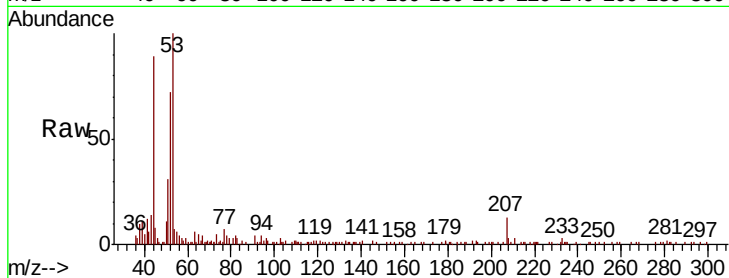




#15
 Acrylonitrile
 Concen: 71.800 ug/l
 RT: 3.10 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

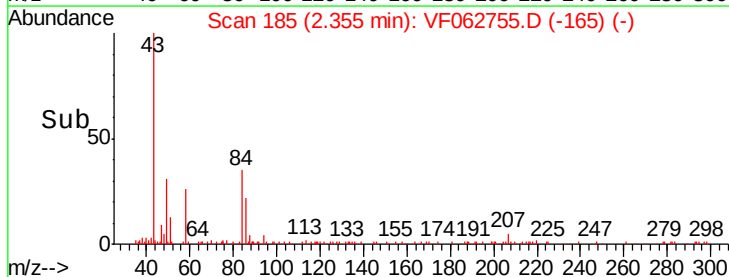
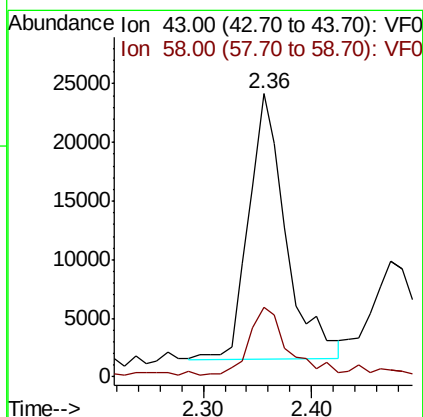
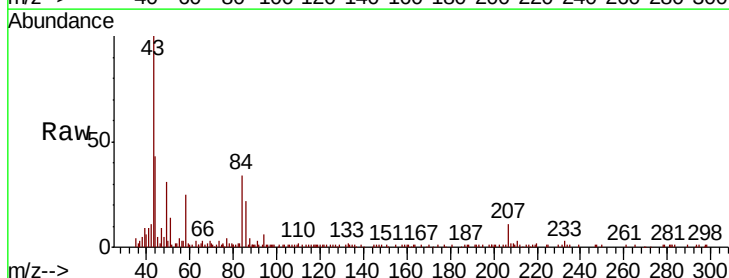
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

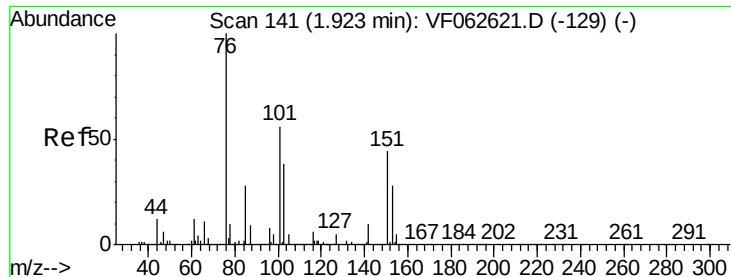
Tot Ion	53	Resp	55366
Ion	Ratio	Lower	Upper
53	100		
52	72.2	67.3	100.9
51	30.8	33.0	49.6#



#16
 Acetone
 Concen: 50.288 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	43	Resp	54019
Ion	Ratio	Lower	Upper
43	100		
58	24.7	22.6	33.8





#17

Carbon Disulfide

Concen: 23.928 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

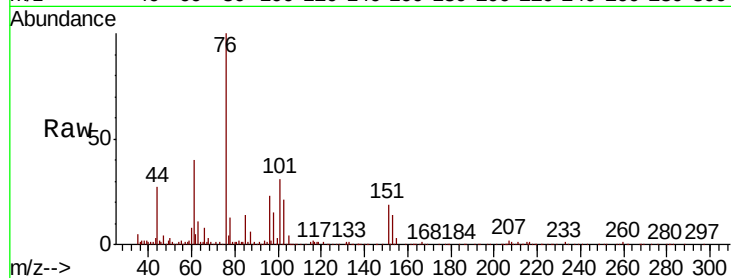
VF0528SBS01

Tot Ion: 76 Resp: 373315

Ion Ratio Lower Upper

76 100

78 12.5 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

80000

60000

40000

20000

0

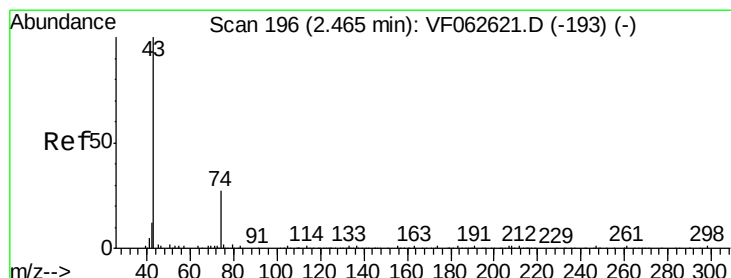
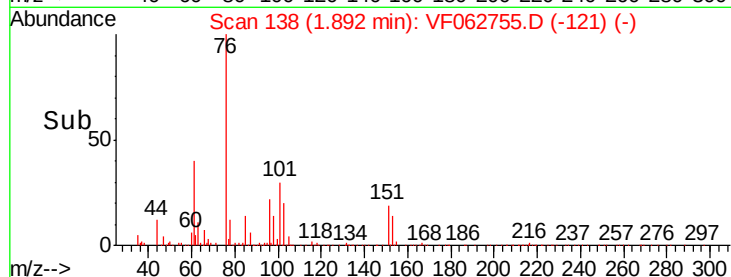
1.89

1.80

2.00

2.20

Time-->



#18

Methyl Acetate

Concen: 14.732 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062755.D

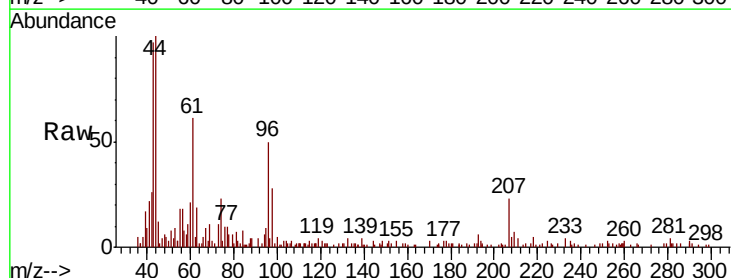
Acq: 28 May 2019 12:37

Tgt Ion: 43 Resp: 24868

Ion Ratio Lower Upper

43 100

74 23.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

15000

10000

5000

0

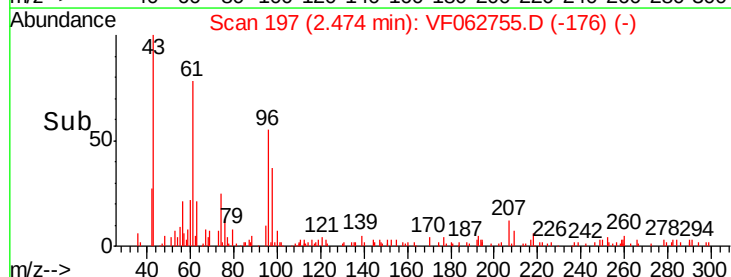
2.47

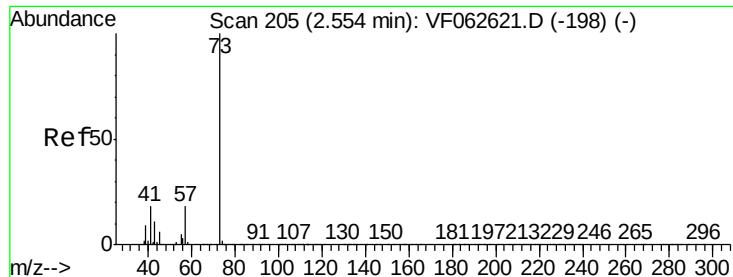
2.40

2.45

2.50

Time-->



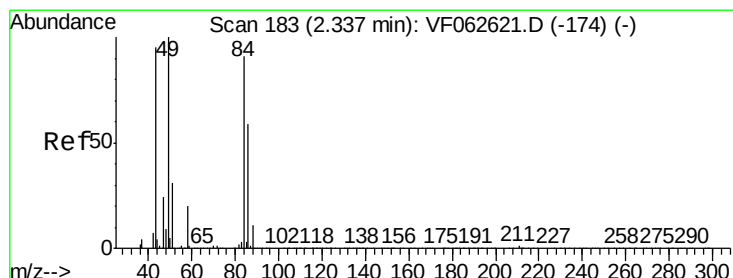
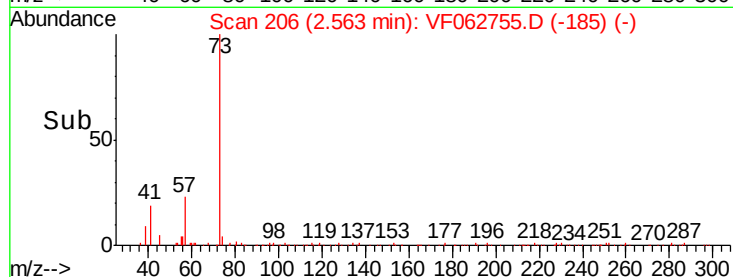
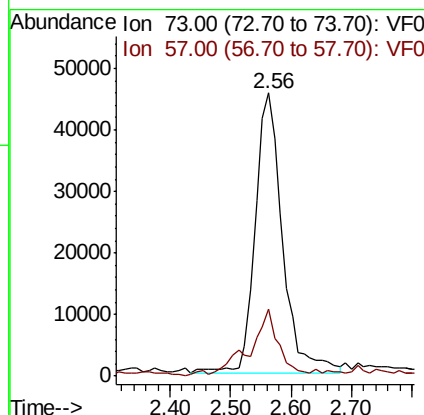
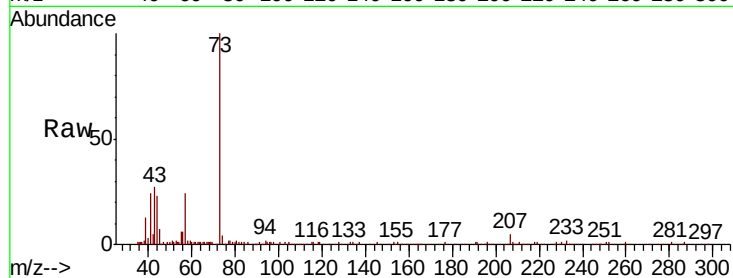


#19

Methyl tert-butyl Ether
 Concen: 15.099 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

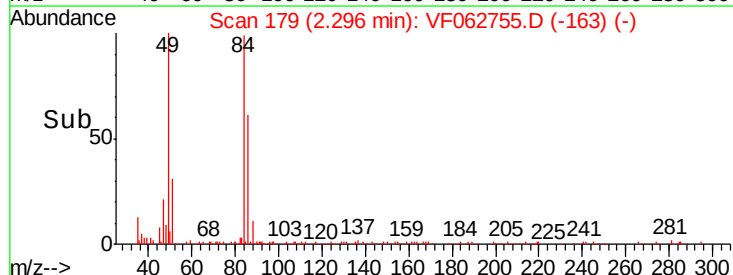
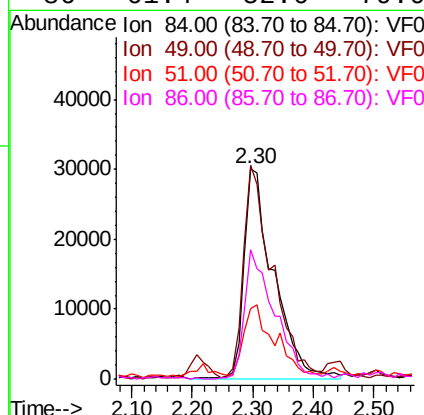
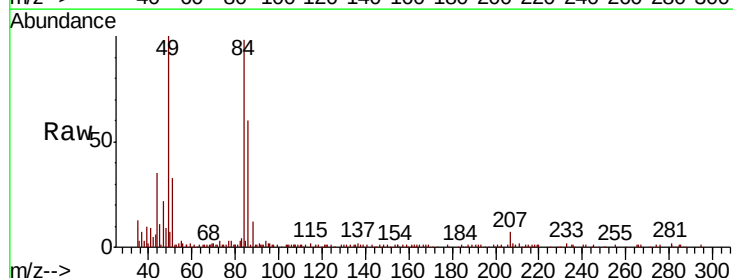
Tot Ion: 73 Resp: 142076
 Ion Ratio Lower Upper
 73 100
 57 23.9 14.2 21.4#

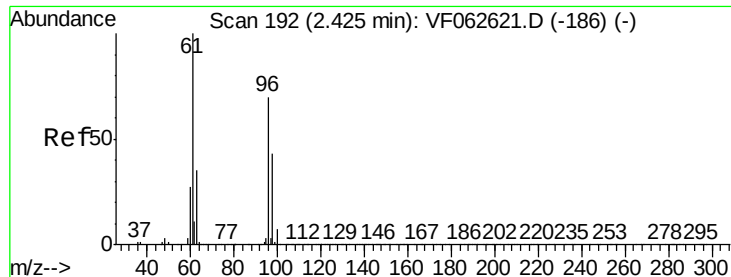


#20

Methylene Chloride
 Concen: 19.007 ug/l
 RT: 2.30 min Scan# 179
 Delta R.T. -0.04 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion: 84 Resp: 102342
 Ion Ratio Lower Upper
 84 100
 49 101.6 89.8 134.8
 51 33.4 28.4 42.6
 86 61.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.502 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.02 min

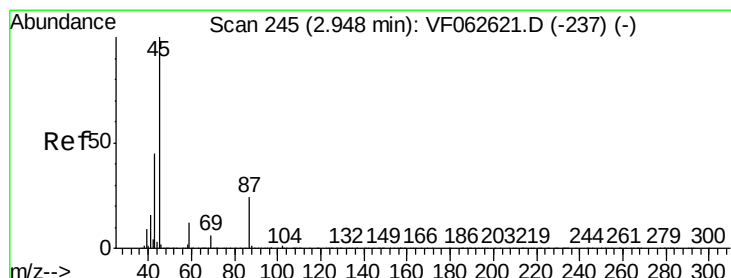
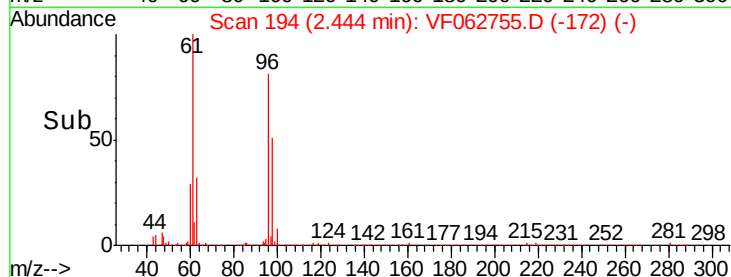
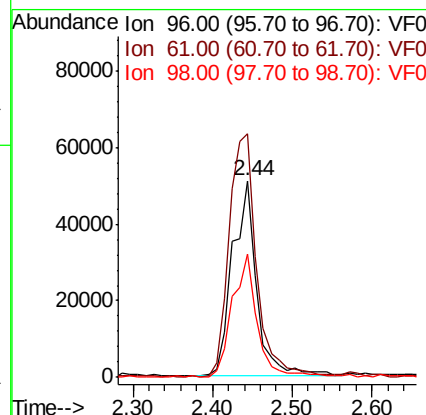
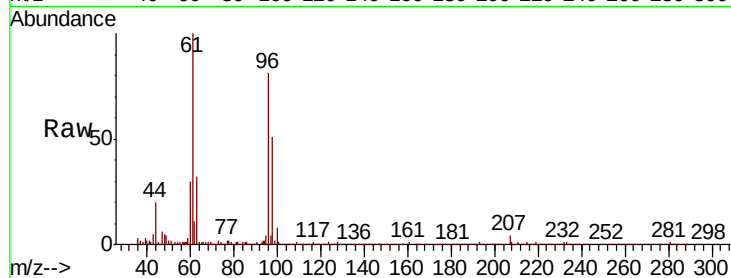
Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 96 Resp: 110623

Ion	Ratio	Lower	Upper
96	100		
61	123.8	114.6	171.8
98	62.8	49.5	74.3



#22

Diisopropyl ether

Concen: 17.155 ug/l

RT: 2.95 min Scan# 245

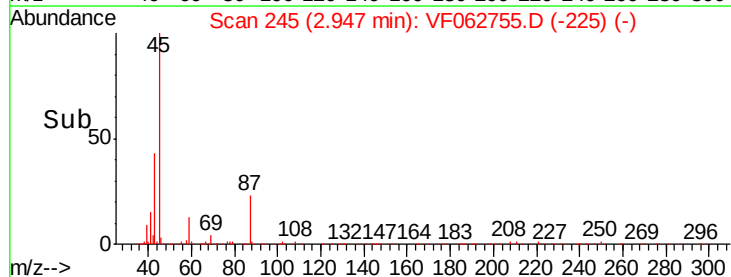
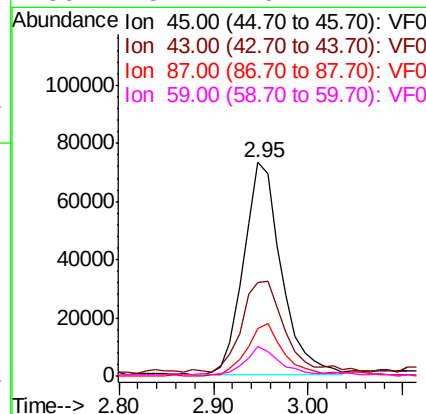
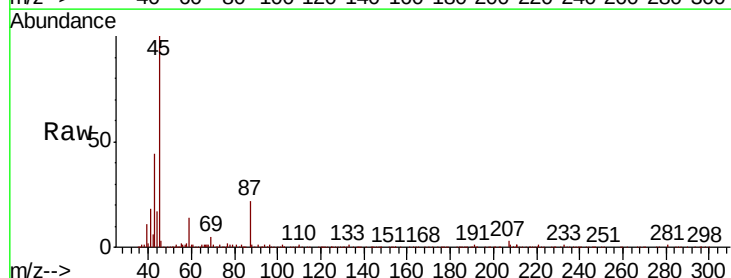
Delta R.T. -0.00 min

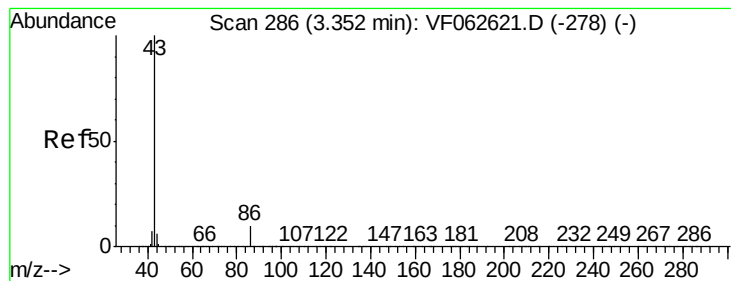
Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion: 45 Resp: 201561

Ion	Ratio	Lower	Upper
45	100		
43	43.9	36.4	54.6
87	22.4	19.3	28.9
59	13.7	9.4	14.2





#23

Vinyl Acetate

Concen: 60.267 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

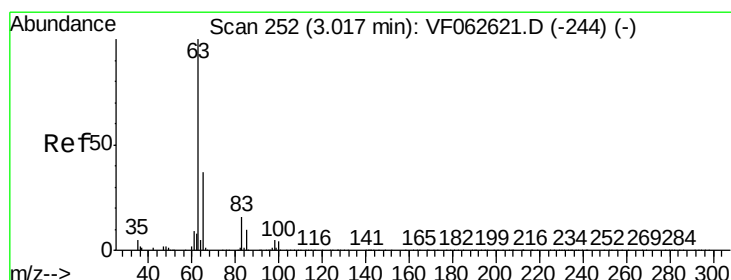
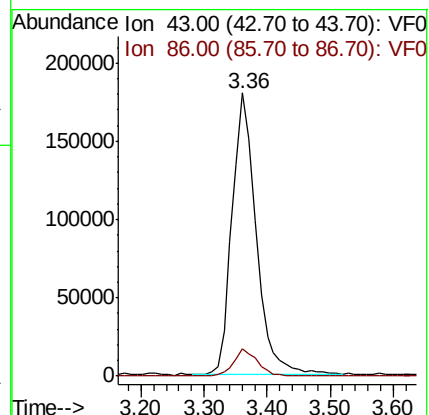
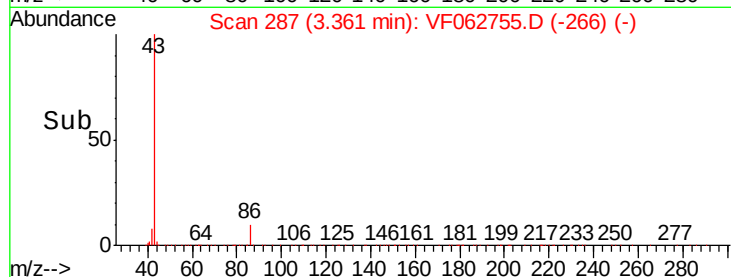
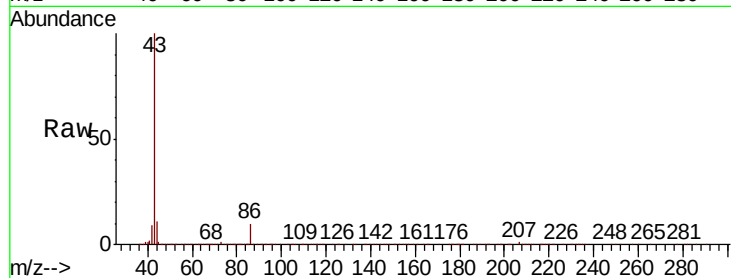
VF0528SBS01

Tot Ion: 43 Resp: 477683

Ion Ratio Lower Upper

43 100

86 9.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.744 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

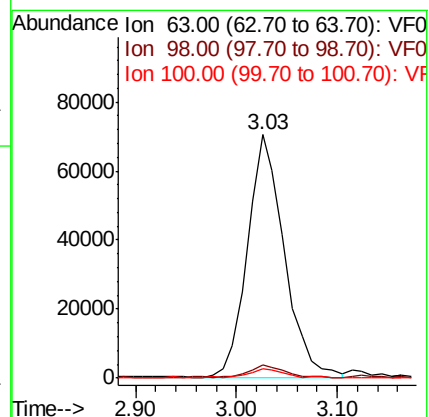
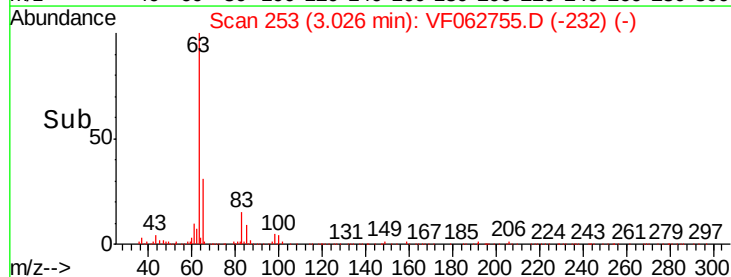
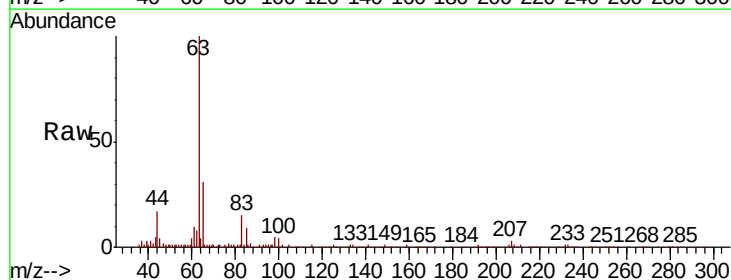
Tgt Ion: 63 Resp: 178806

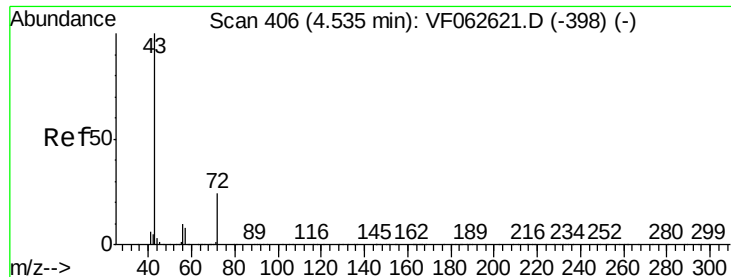
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 4.4 1.9 5.7





#25

2-Butanone

Concen: 39.875 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

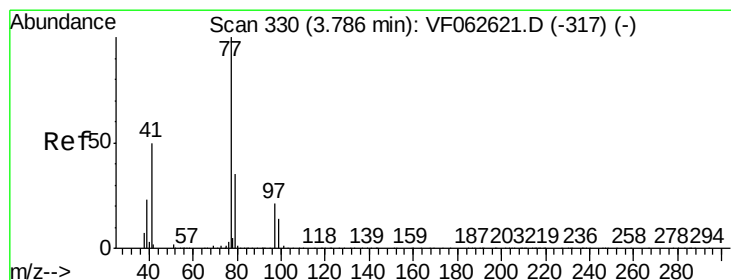
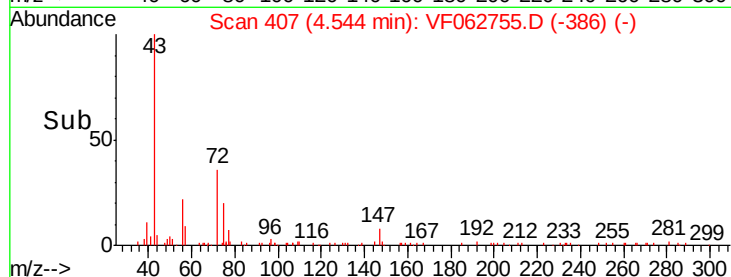
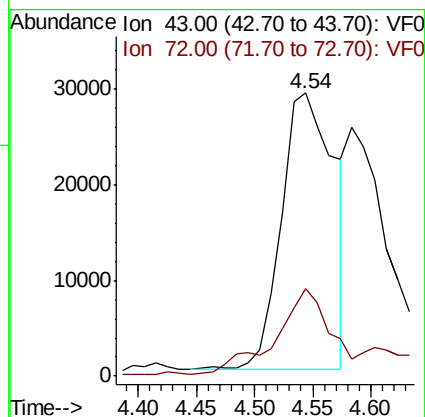
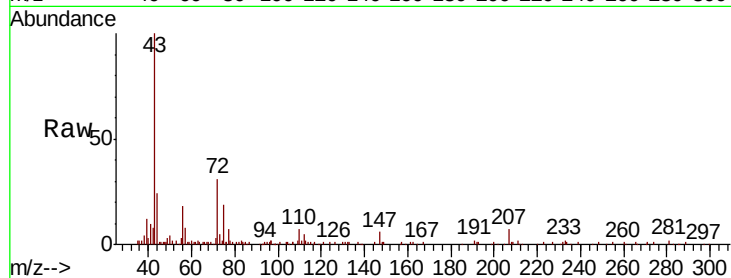
VF0528SBS01

Tot Ion: 43 Resp: 91515

Ion Ratio Lower Upper

43 100

72 30.8 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 31.866 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062755.D

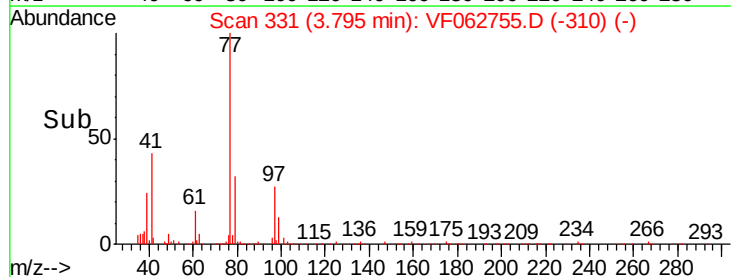
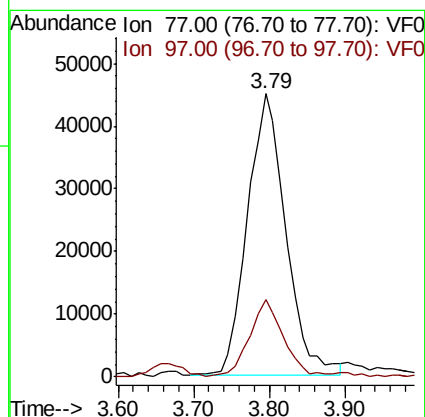
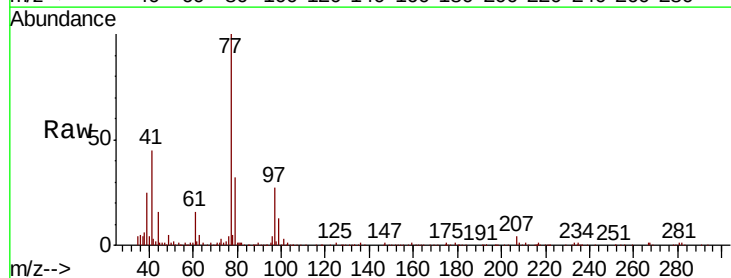
Acq: 28 May 2019 12:37

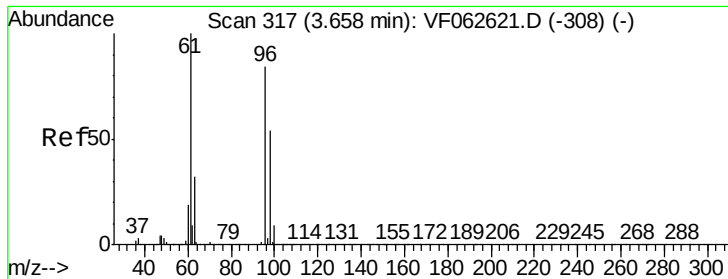
Tgt Ion: 77 Resp: 157160

Ion Ratio Lower Upper

77 100

97 27.4 14.1 42.4



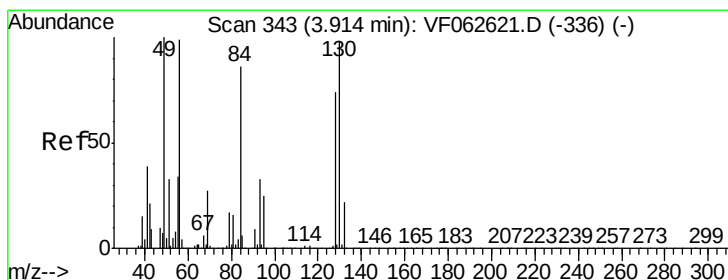
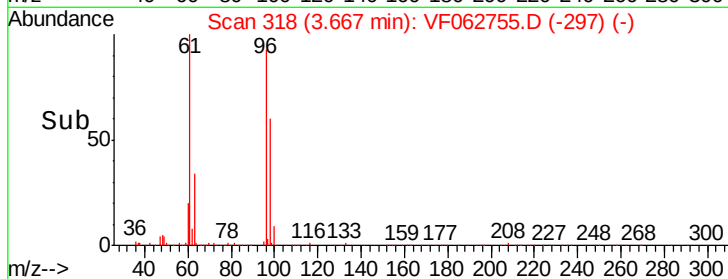
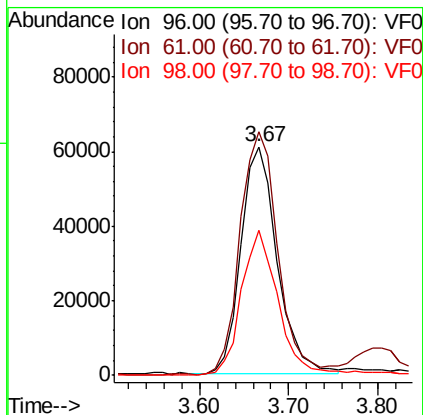


#27

cis-1,2-Dichloroethene
 Concen: 20.198 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

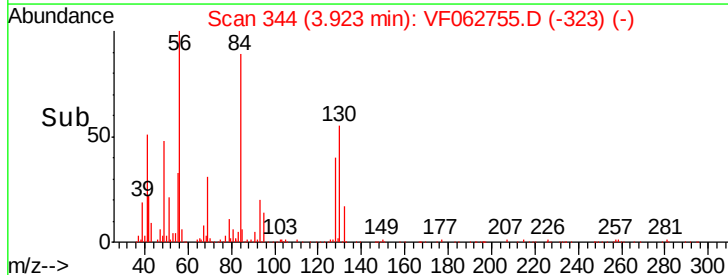
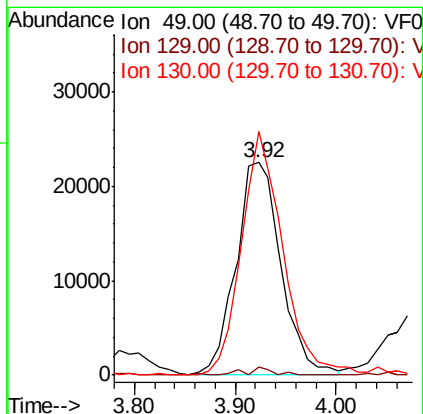
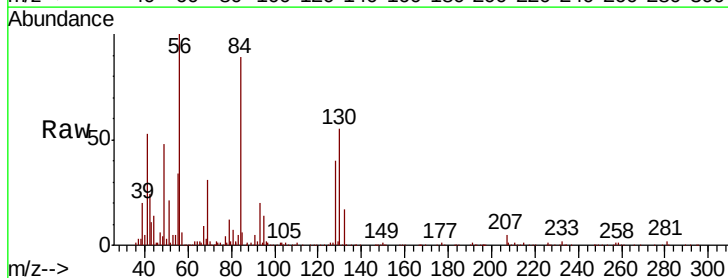
Tot Ion	Ratio	Lower	Upper
96	100		
61	106.5	0.0	237.4
98	63.3	0.0	129.0

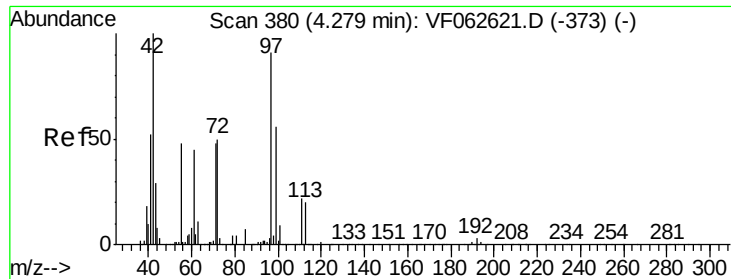


#28

Bromochloromethane
 Concen: 14.556 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	4.0
130	114.7	77.8	116.8

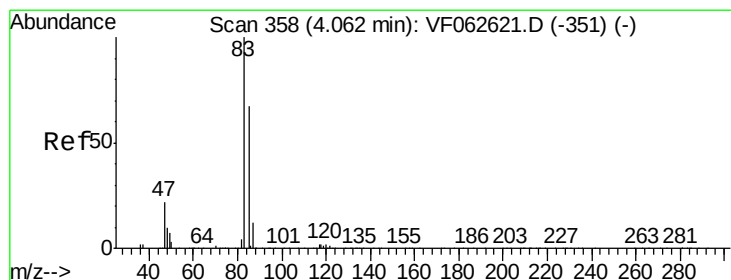
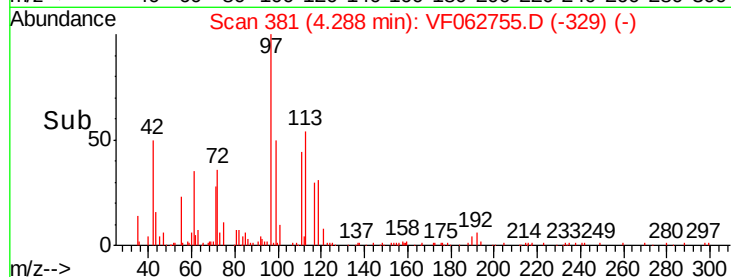
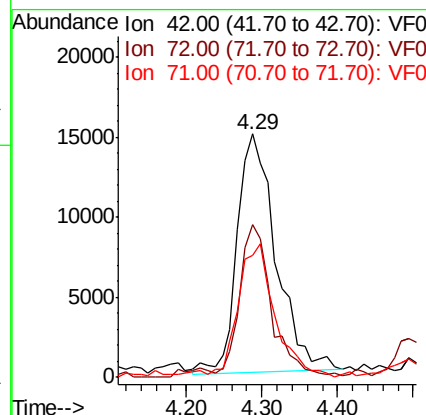
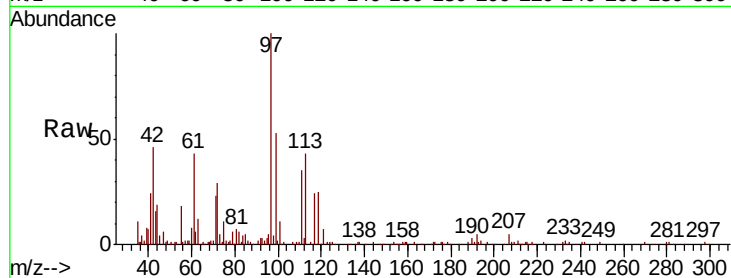




#29
Tetrahydrofuran
Concen: 56.902 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

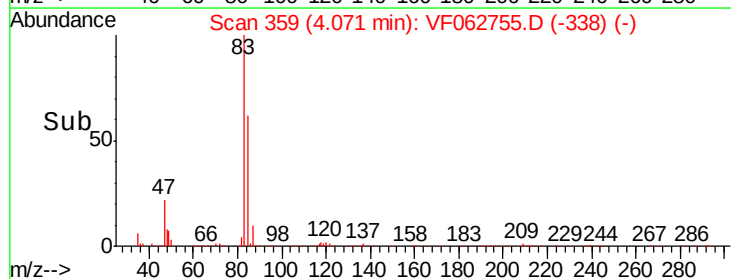
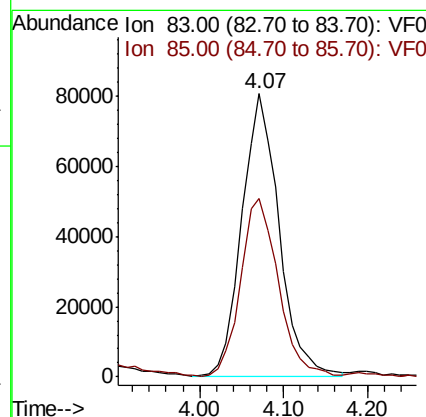
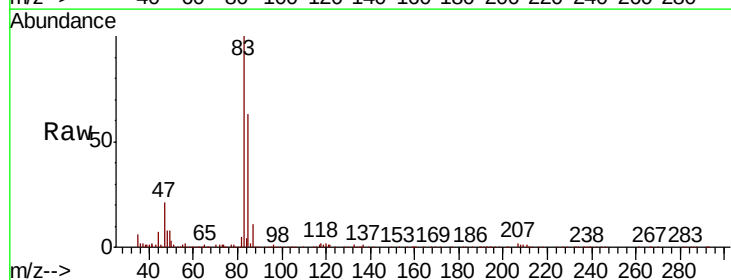
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

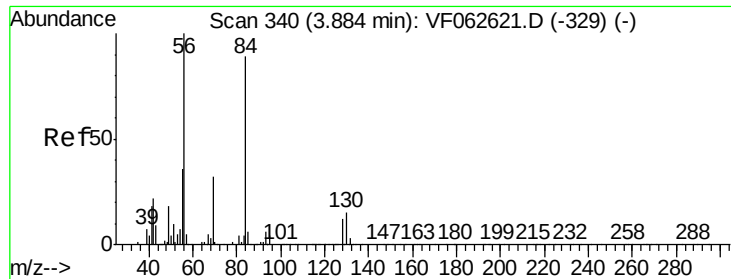
Tot Ion: 42 Resp: 52846
Ion Ratio Lower Upper
42 100
72 51.6 38.2 57.2
71 54.3 35.8 53.6#



#30
Chloroform
Concen: 20.964 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 83 Resp: 250882
Ion Ratio Lower Upper
83 100
85 63.2 53.6 80.4

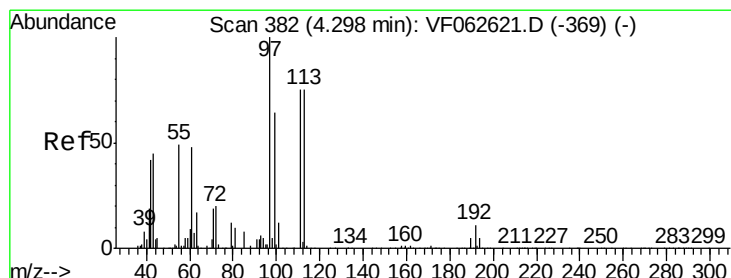
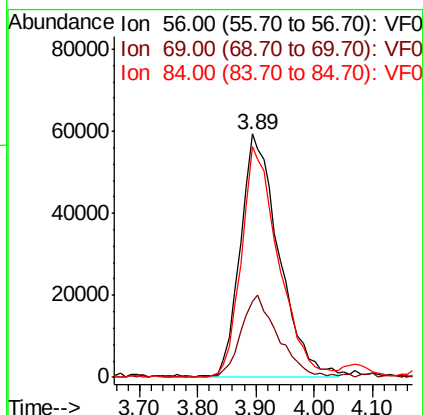
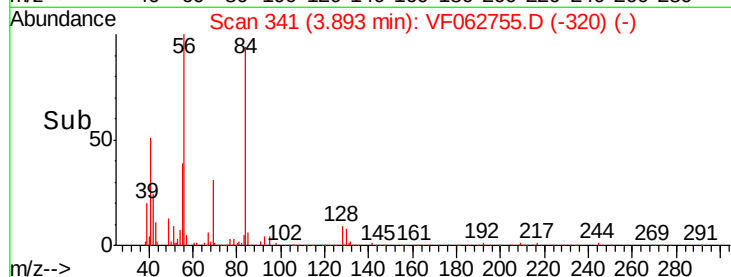
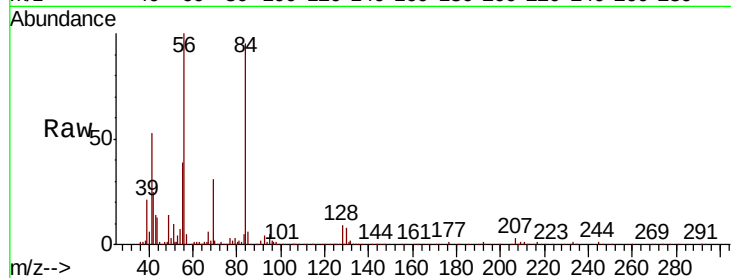




#31
Cyclohexane
Concen: 23.853 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

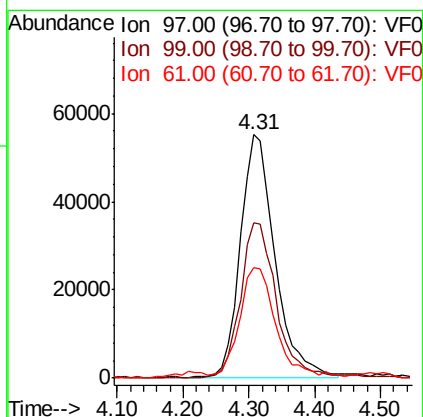
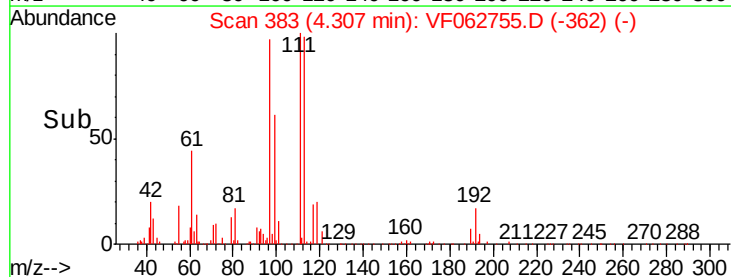
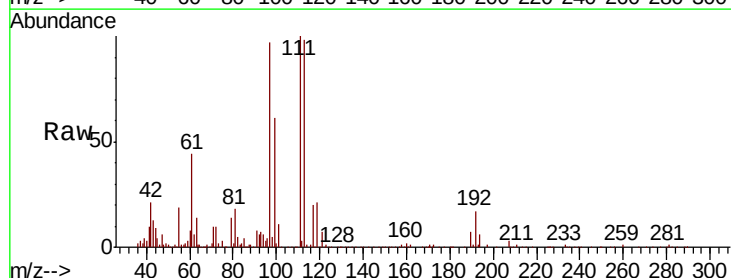
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

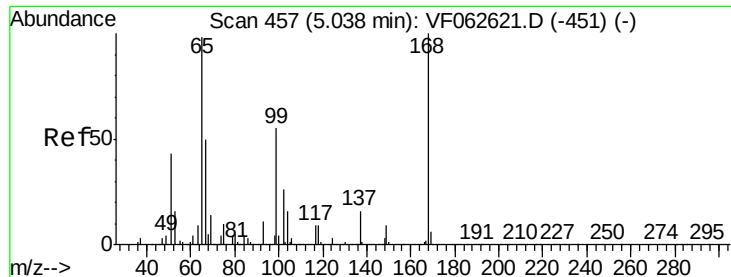
Tot Ion: 56 Resp: 276060
Ion Ratio Lower Upper
56 100
69 31.0 25.3 37.9
84 94.6 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 25.821 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 97 Resp: 205220
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 45.6 38.2 57.2

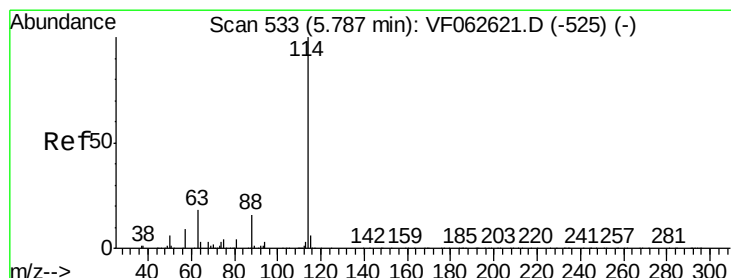
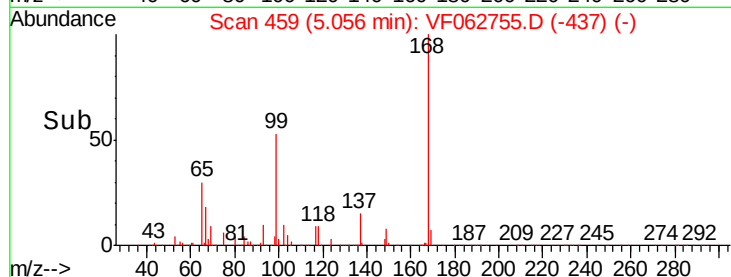
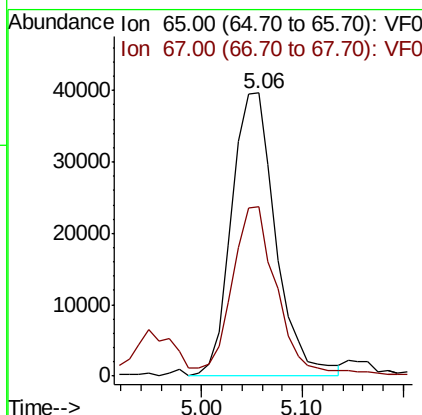
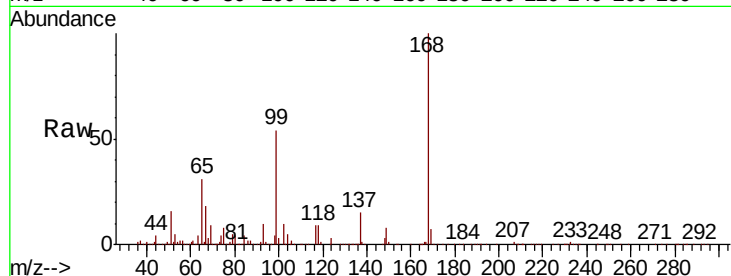




#33
 1,2-Dichloroethane-d4
 Concen: 28.944 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

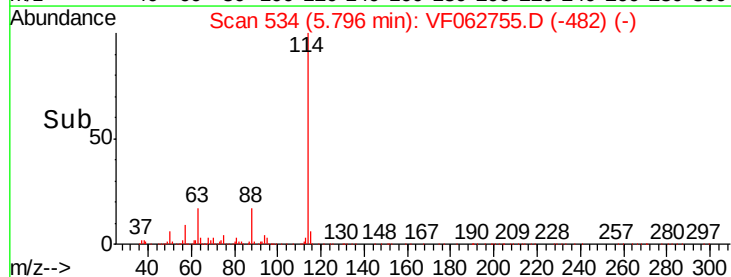
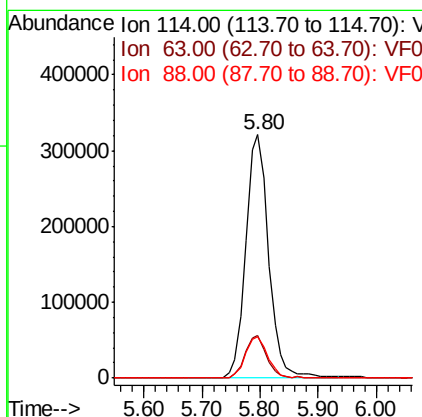
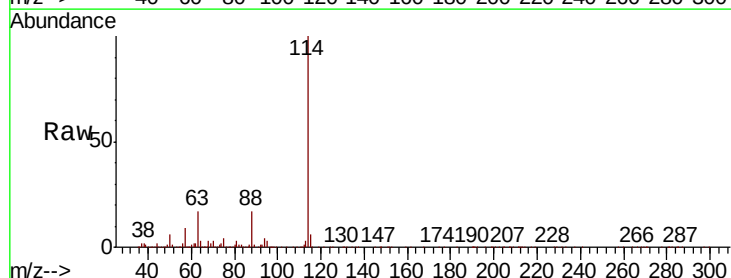
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

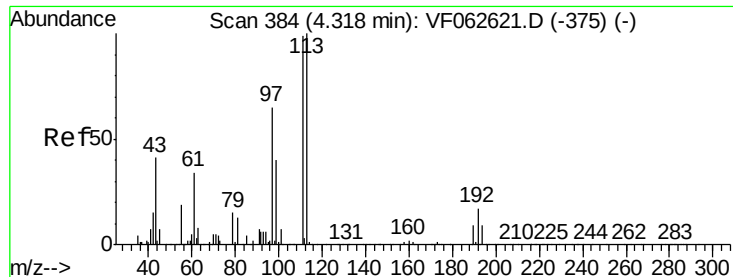
Tot Ion: 65 Resp: 119847
 Ion Ratio Lower Upper
 65 100
 67 60.1 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion: 114 Resp: 876698
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.4
 88 16.8 0.0 32.4

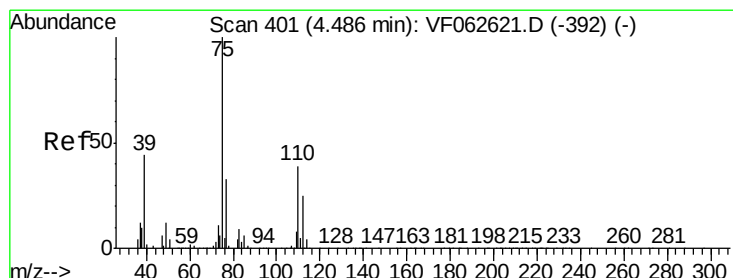
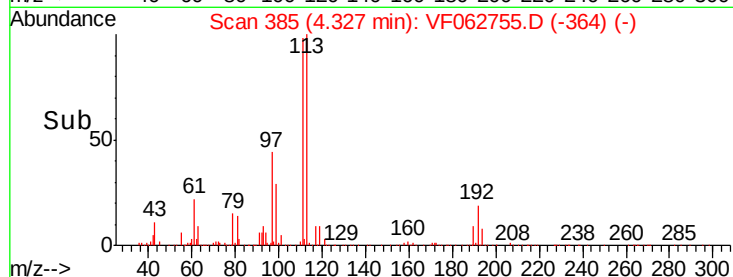
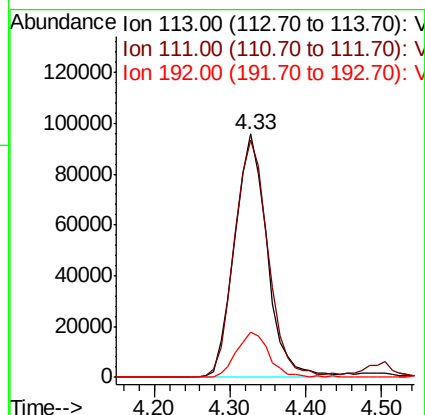
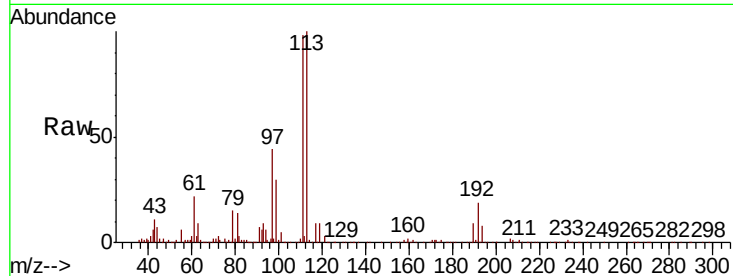




#35
 Dibromofluoromethane
 Concen: 42.757 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

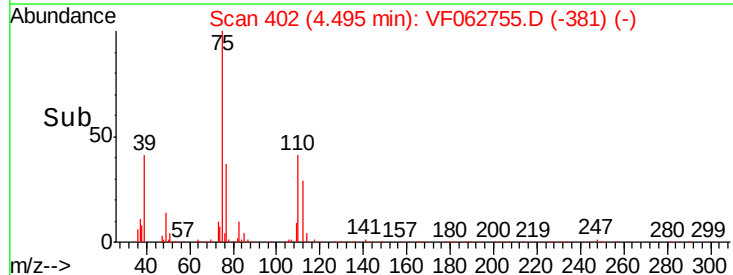
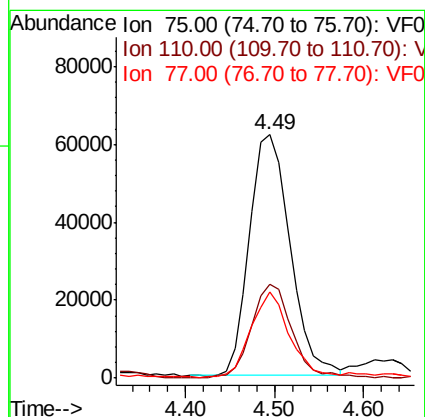
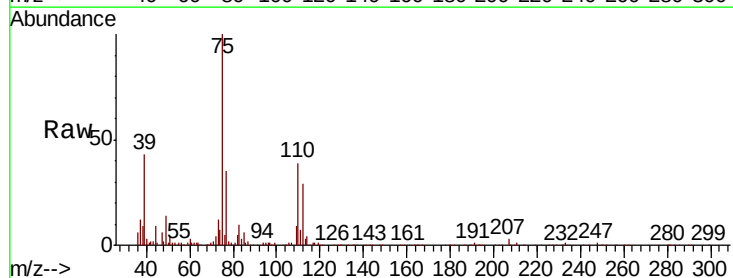
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

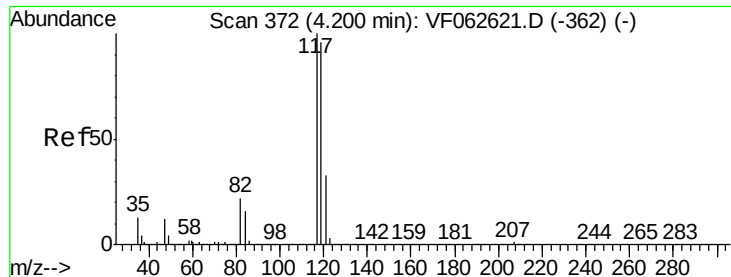
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.6	79.4	119.2
192	18.8	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 21.874 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.7	59.1
77	35.3	26.3	39.5





#38

Carbon Tetrachloride

Concen: 29.963 ug/l

RT: 4.21 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

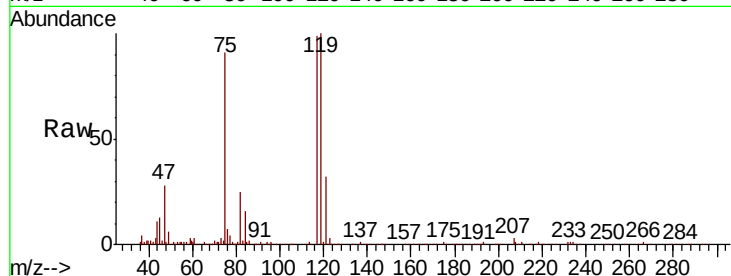
Tot Ion:117 Resp: 202436

Ion Ratio Lower Upper

117 100

119 101.4 76.7 115.1

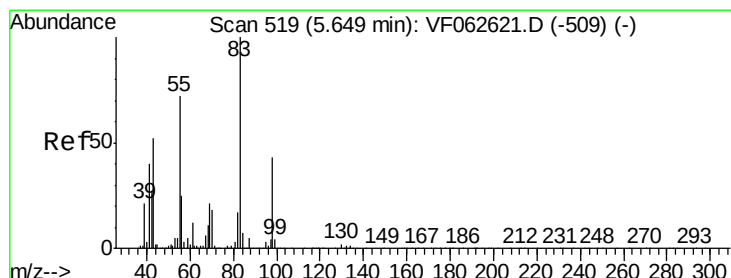
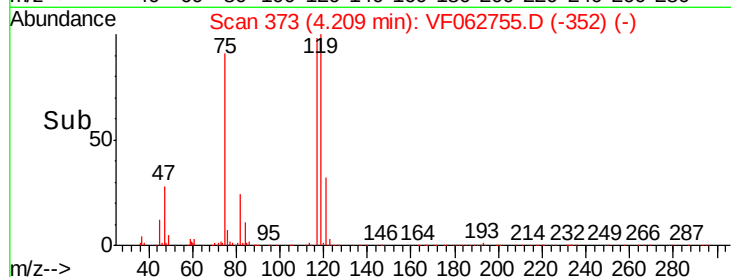
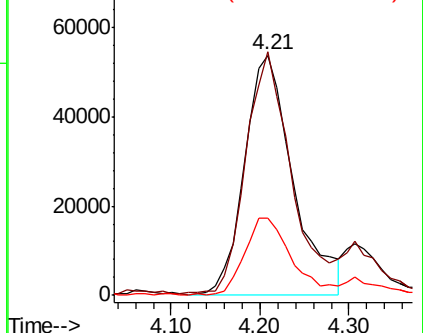
121 32.4 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 27.415 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

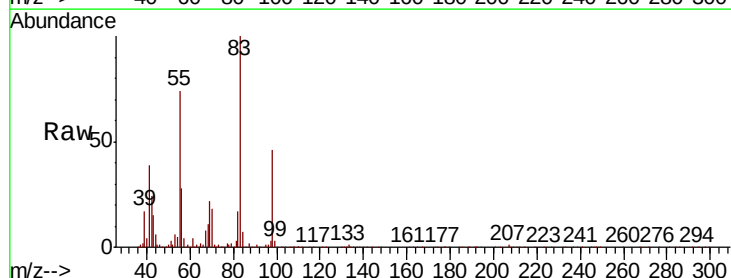
Tgt Ion: 83 Resp: 296336

Ion Ratio Lower Upper

83 100

55 73.8 57.9 86.9

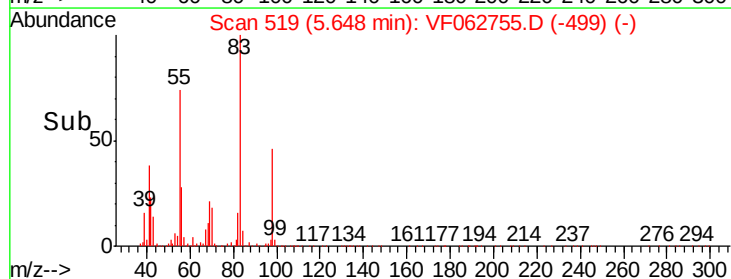
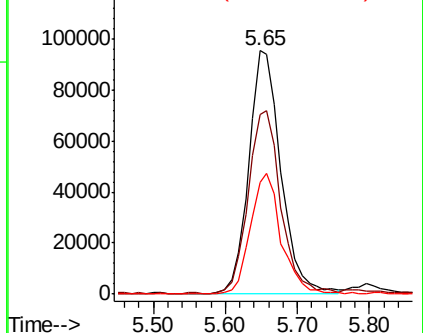
98 45.9 34.6 52.0

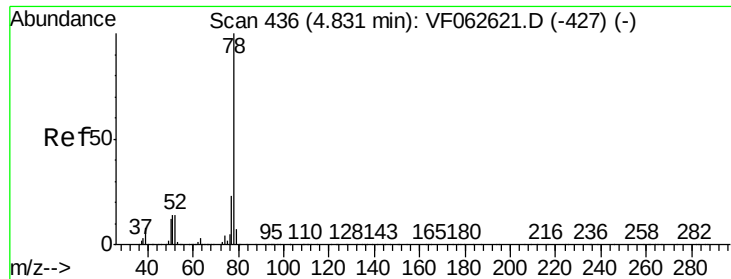


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 23.151 ug/l

RT: 4.84 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

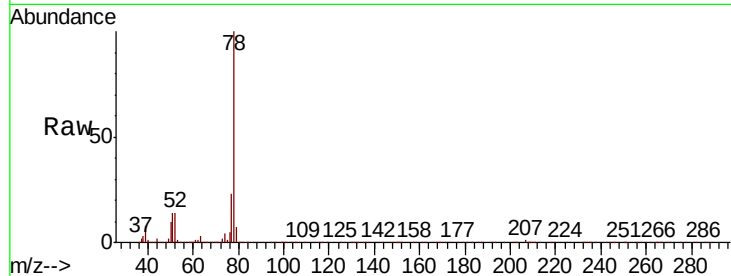
VF0528SBS01

Tot Ion: 78 Resp: 566572

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.84

200000

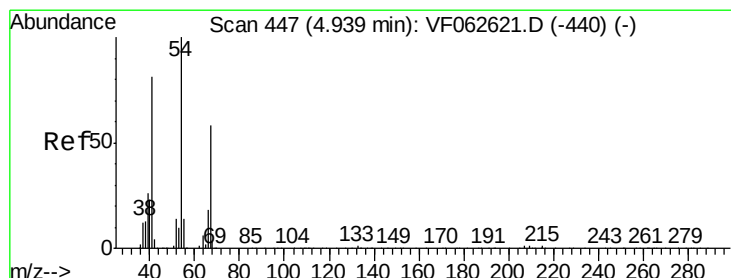
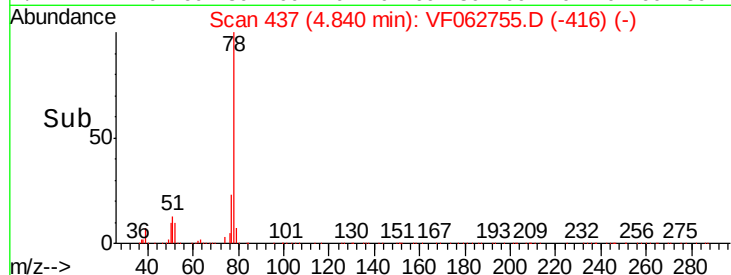
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 12.268 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion: 41 Resp: 23591

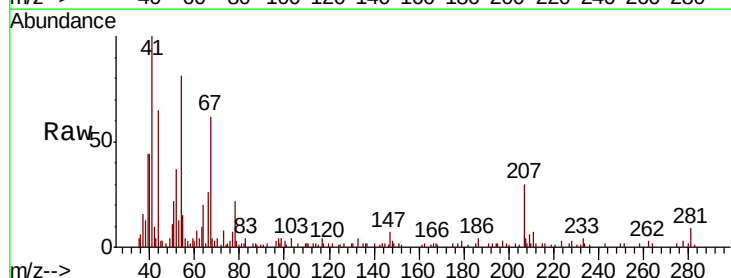
Ion Ratio Lower Upper

41 100

39 44.4 42.2 63.2

67 61.6 56.4 84.6

52 36.6 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

40000

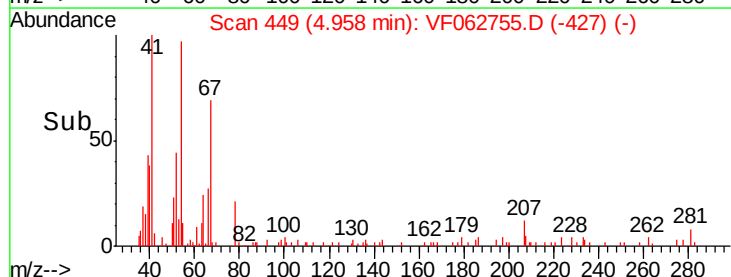
30000

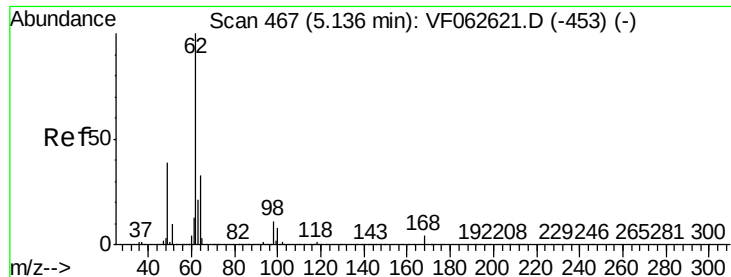
20000

10000

0

Time-->





#42

1,2-Dichloroethane

Concen: 16.881 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

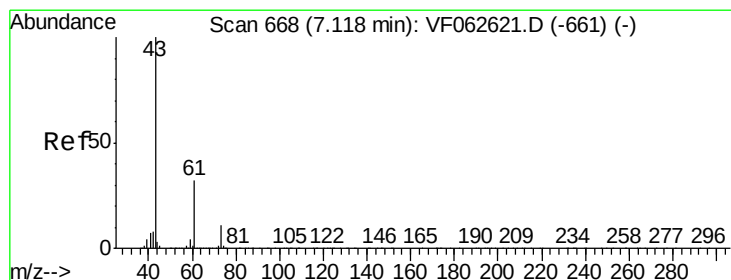
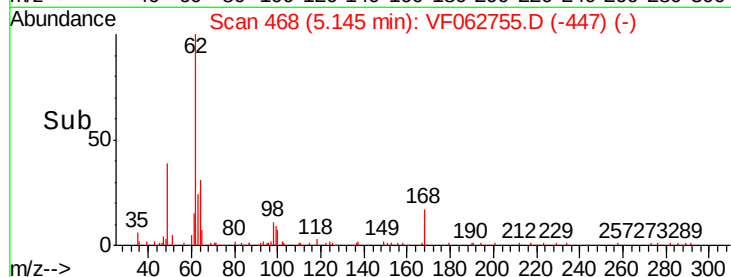
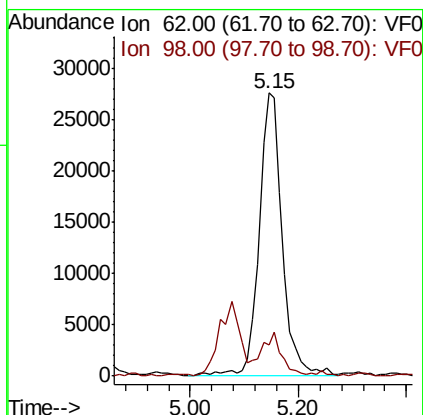
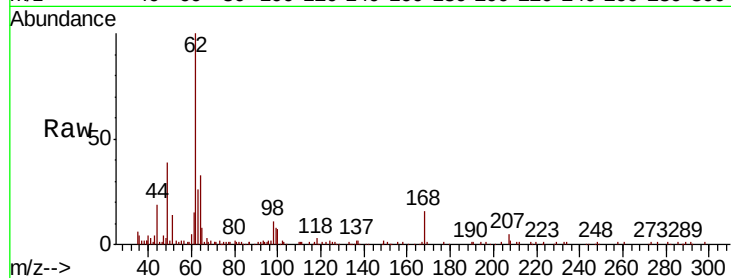
VF0528SBS01

Tot Ion: 62 Resp: 82388

Ion Ratio Lower Upper

62 100

98 11.1 0.0 21.6



#43

Isopropyl Acetate

Concen: 10.574 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

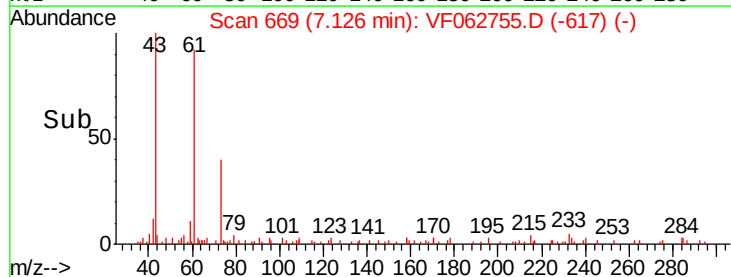
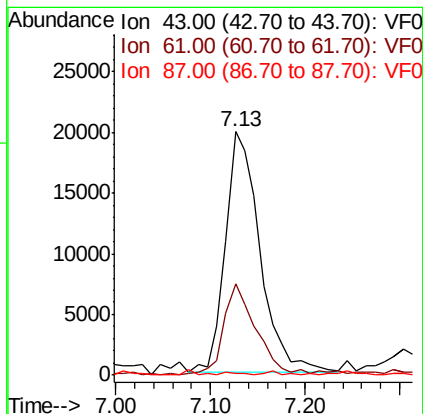
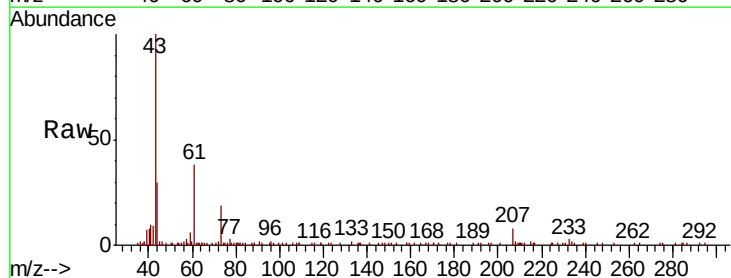
Tgt Ion: 43 Resp: 50248

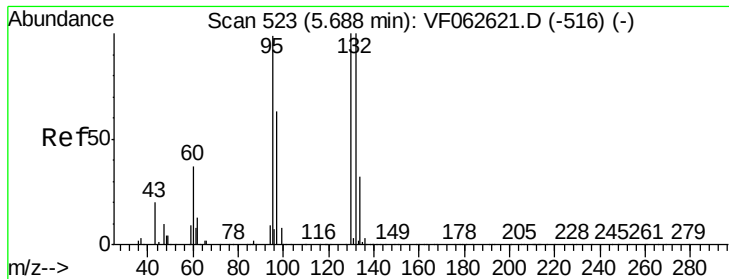
Ion Ratio Lower Upper

43 100

61 37.6 25.8 38.8

87 0.5 0.4 0.6

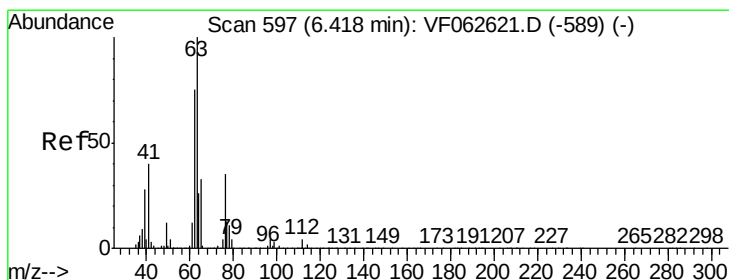
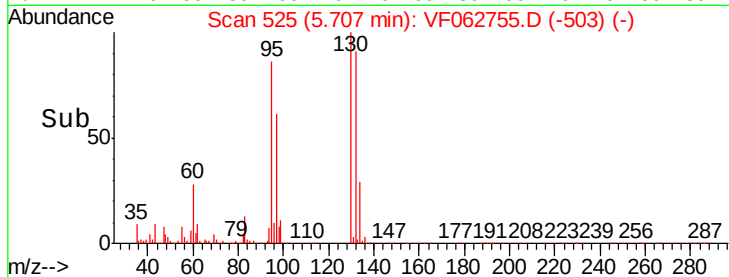
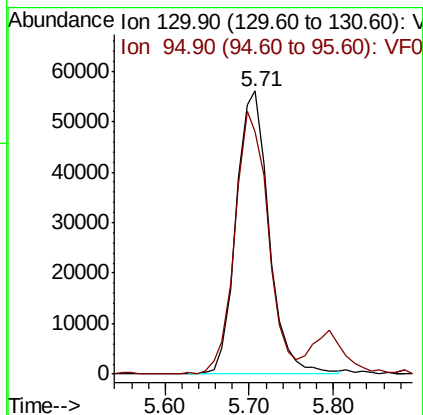
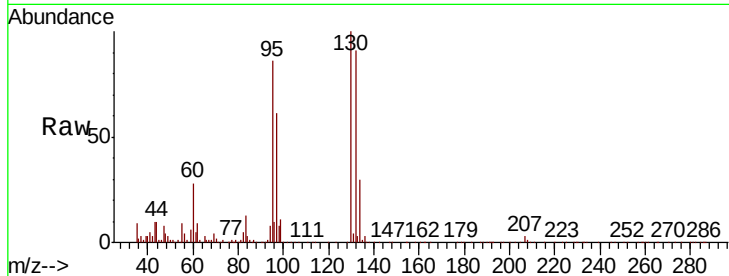




#44
 Trichloroethene
 Concen: 22.158 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

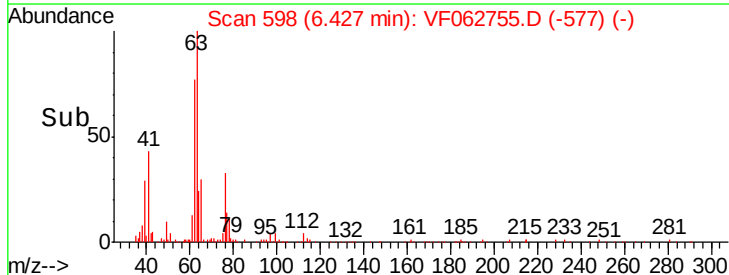
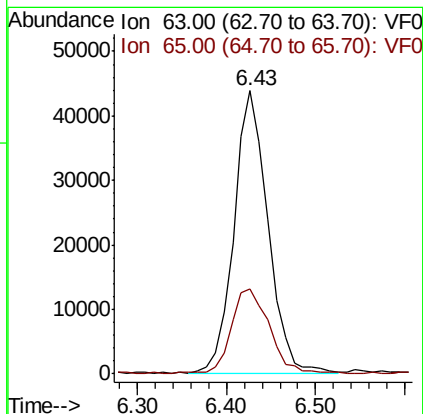
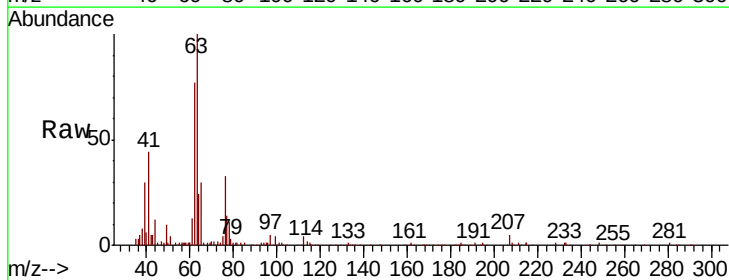
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

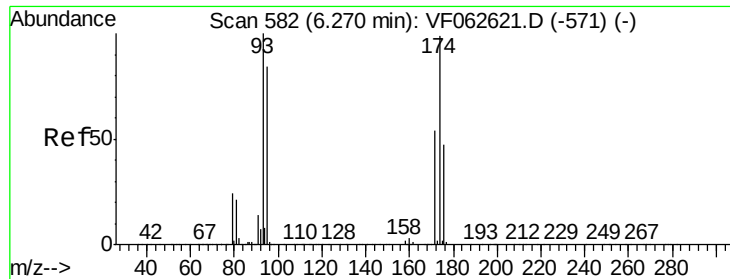
Tot Ion:130 Resp: 152413
 Ion Ratio Lower Upper
 130 100
 95 85.9 0.0 199.4



#45
 1,2-Dichloropropane
 Concen: 18.907 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion: 63 Resp: 116806
 Ion Ratio Lower Upper
 63 100
 65 30.0 26.3 39.5





#46

Dibromomethane

Concen: 16.615 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

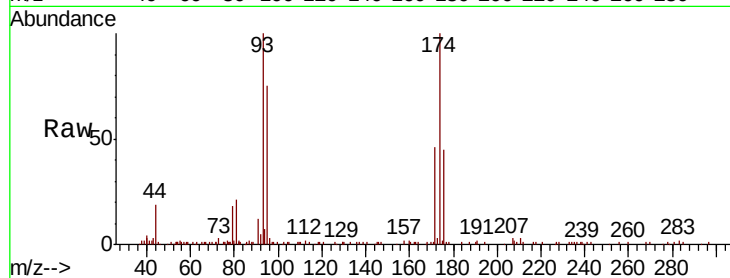
Tot Ion: 93 Resp: 59323

Ion Ratio Lower Upper

93 100

95 75.1 67.4 101.2

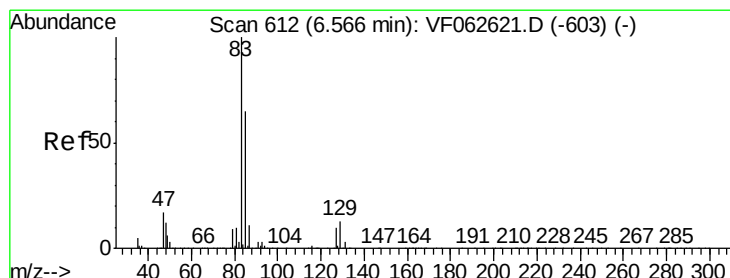
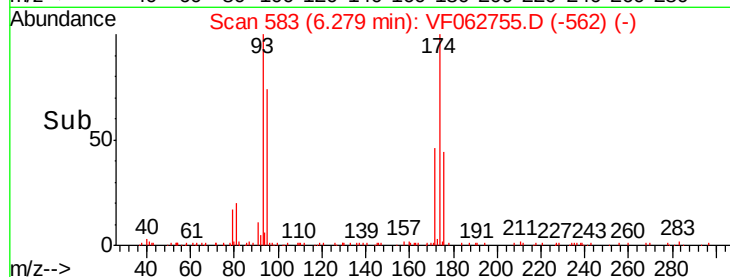
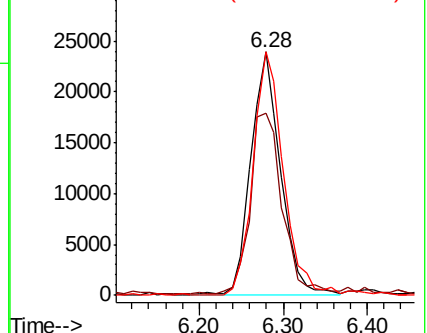
174 100.2 79.4 119.2



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: 18.644 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

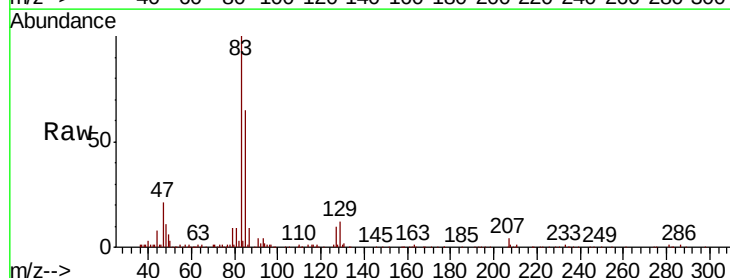
Tgt Ion: 83 Resp: 138195

Ion Ratio Lower Upper

83 100

85 65.3 52.0 78.0

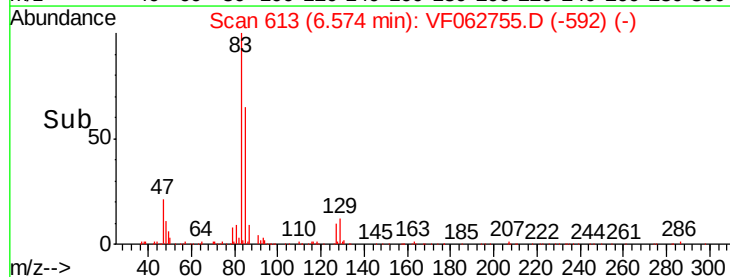
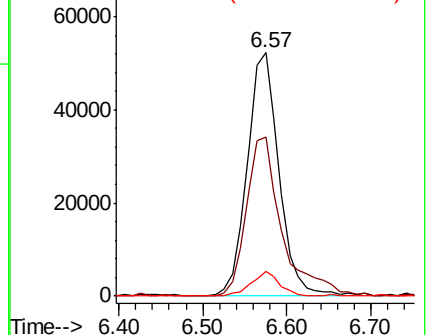
127 10.7 7.7 11.5

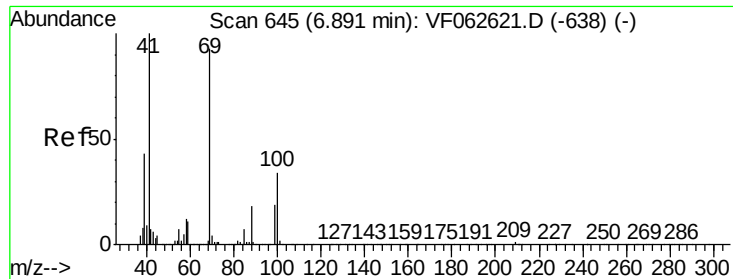


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V





#48

Methyl methacrylate

Concen: 10.123 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

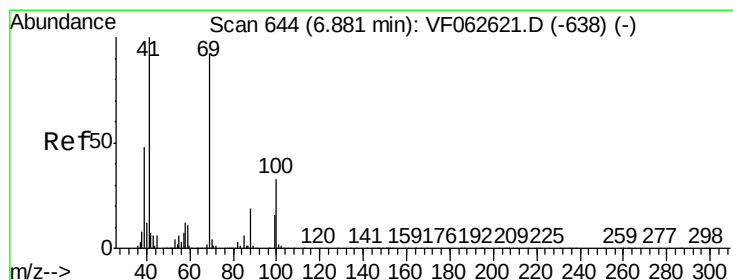
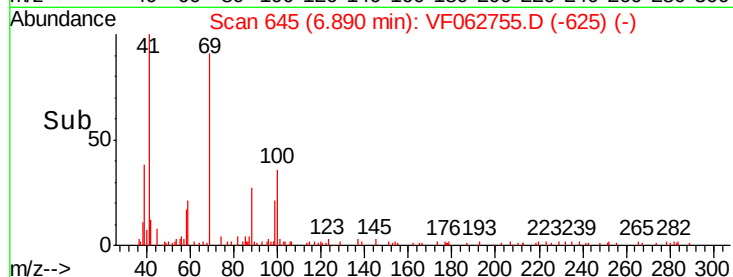
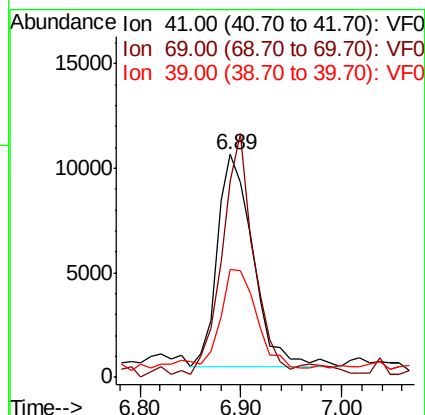
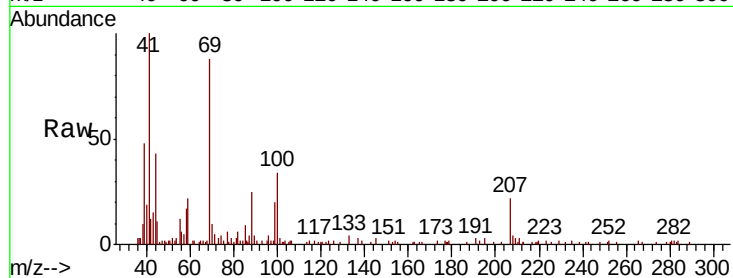
Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 41 Resp: 25143

Ion	Ratio	Lower	Upper
41	100		
69	88.1	74.2	111.2
39	48.4	34.2	51.4



#49

1,4-Dioxane

Concen: 241.292 ug/l

RT: 6.89 min Scan# 645

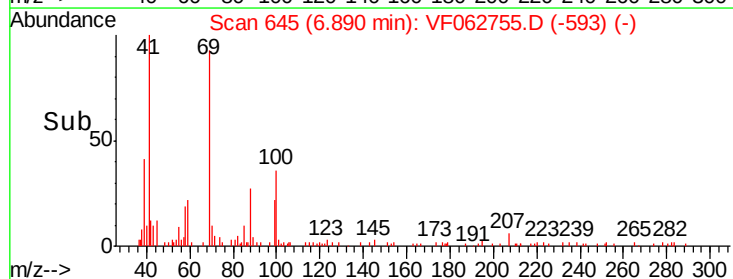
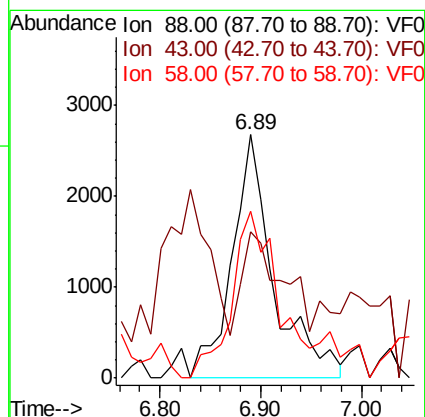
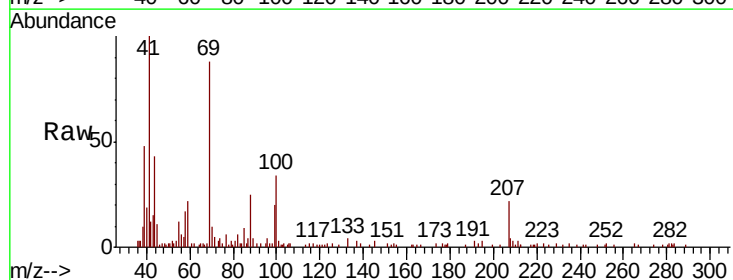
Delta R.T. 0.01 min

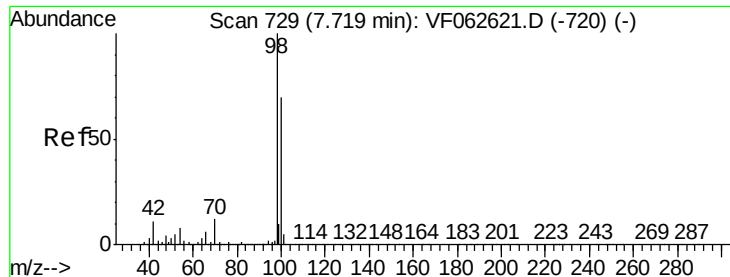
Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion: 88 Resp: 7676

Ion	Ratio	Lower	Upper
88	100		
43	60.1	30.0	45.0#
58	68.6	51.1	76.7

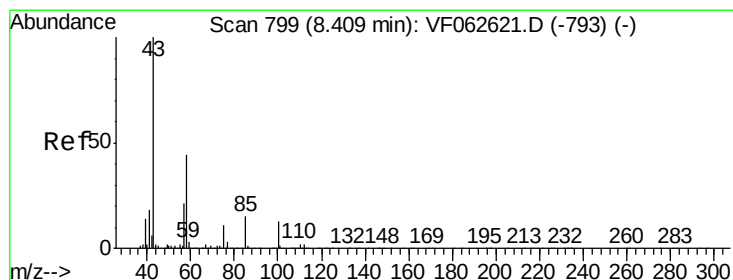
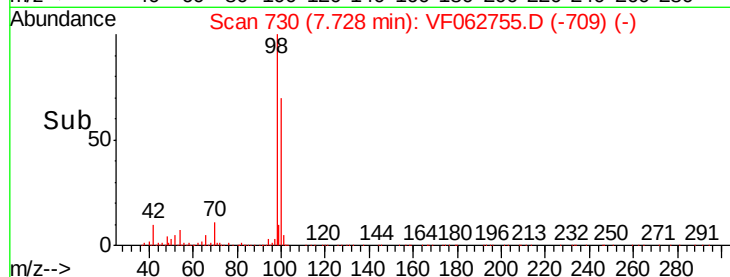
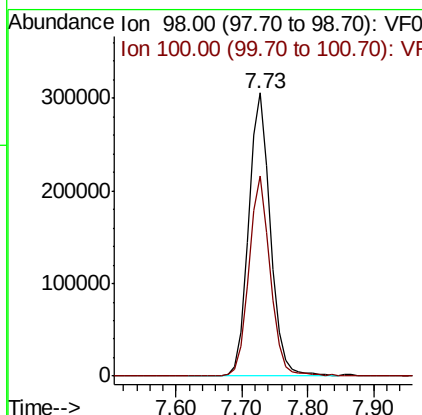
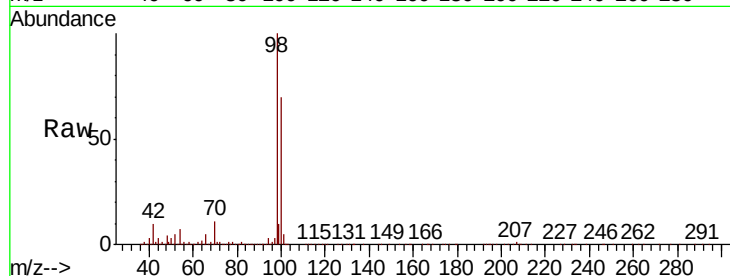




#50
Toluene-d8
Concen: 44.376 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

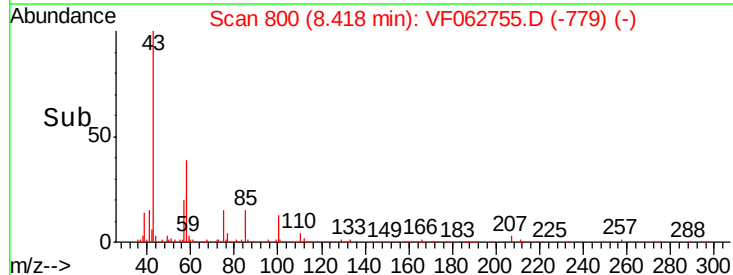
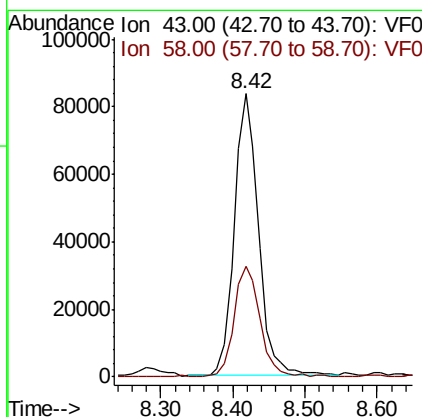
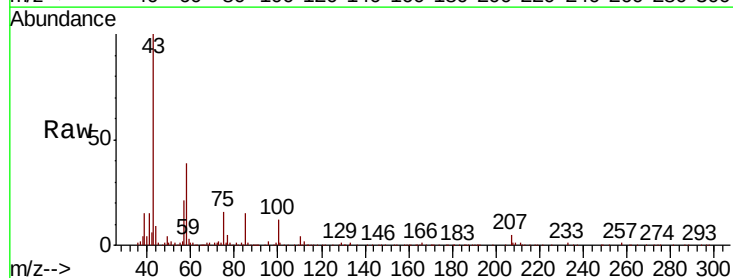
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

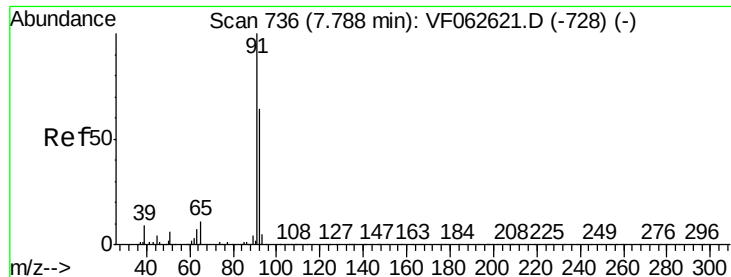
Tot Ion: 98 Resp: 710787
Ion Ratio Lower Upper
98 100
100 70.5 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 60.093 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 43 Resp: 195191
Ion Ratio Lower Upper
43 100
58 39.1 34.9 52.3





#52

Toluene

Concen: 22.666 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

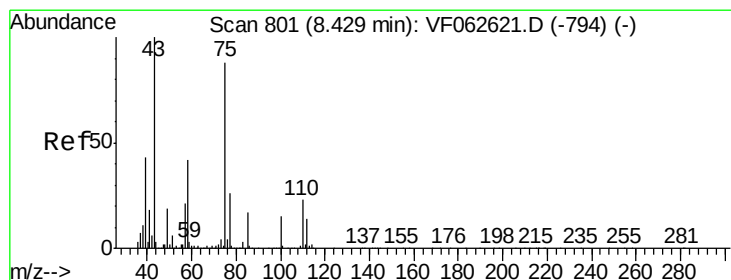
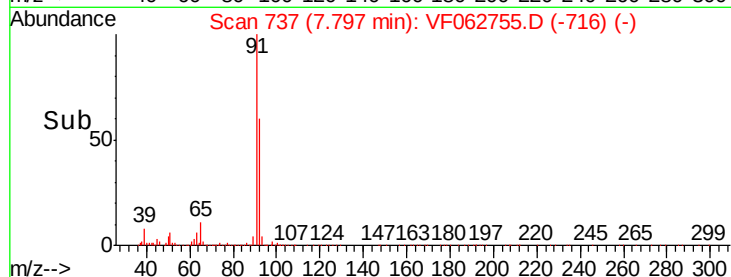
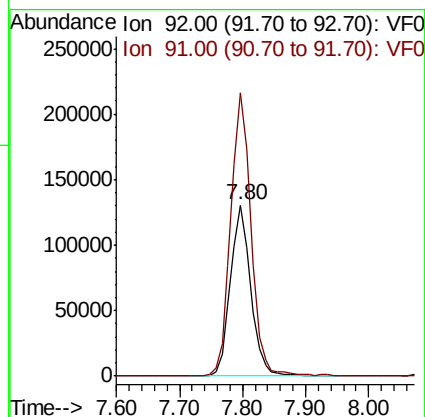
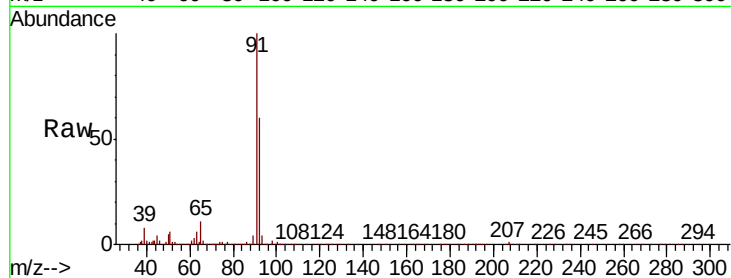
VF0528SBS01

Tot Ion: 92 Resp: 290911

Ion Ratio Lower Upper

92 100

91 165.7 125.4 188.0



#53

t-1,3-Dichloropropene

Concen: 16.060 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062755.D

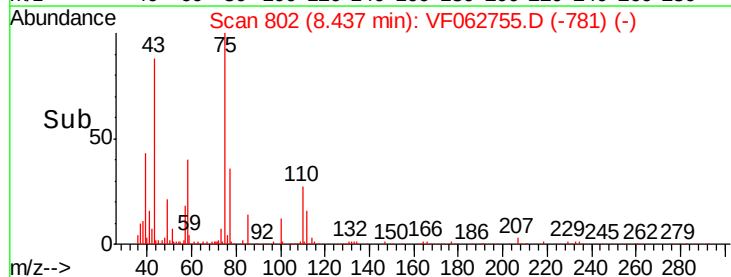
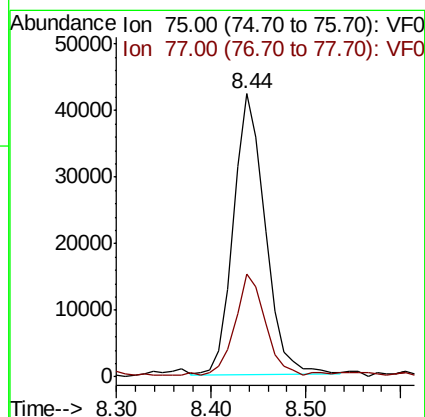
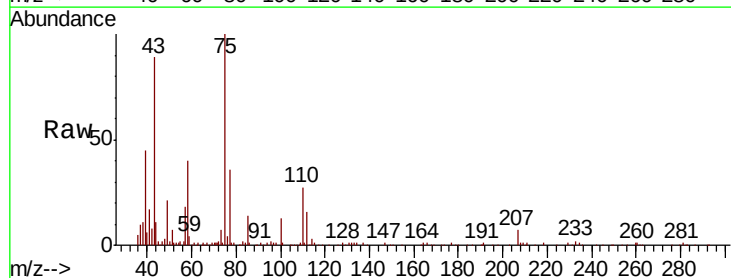
Acq: 28 May 2019 12:37

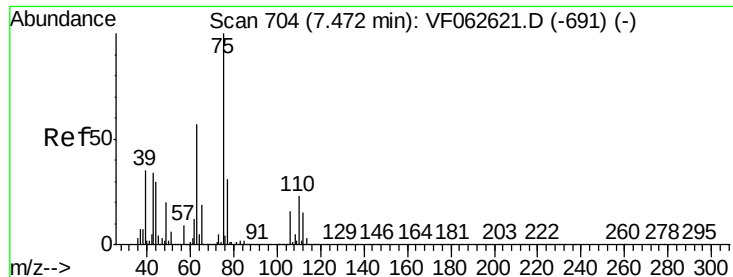
Tgt Ion: 75 Resp: 97386

Ion Ratio Lower Upper

75 100

77 36.2 24.2 36.4





#54

cis-1,3-Dichloropropene

Concen: 18.535 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

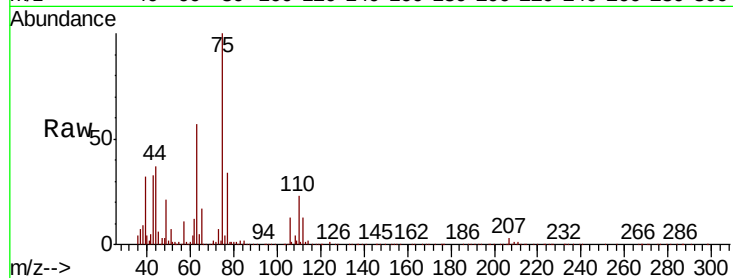
Tot Ion: 75 Resp: 157338

Ion Ratio Lower Upper

75 100

77 34.1 25.3 37.9

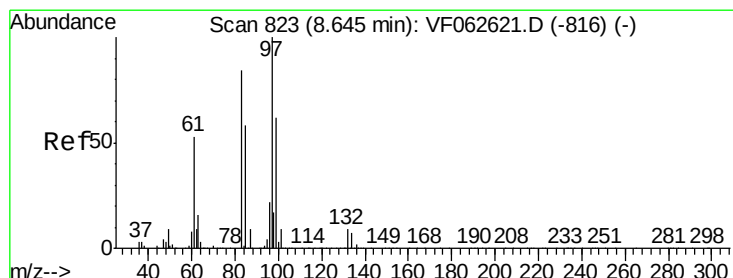
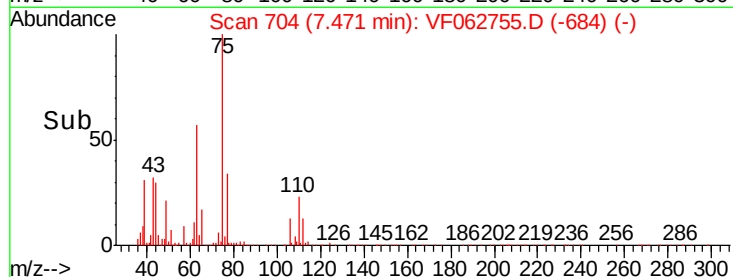
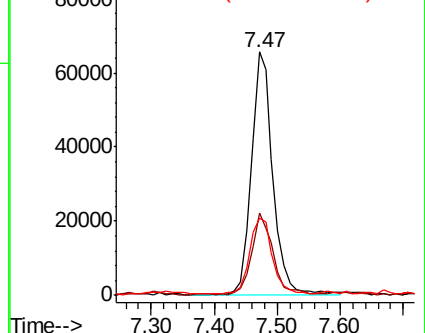
39 31.9 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 15.076 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion: 97 Resp: 57294

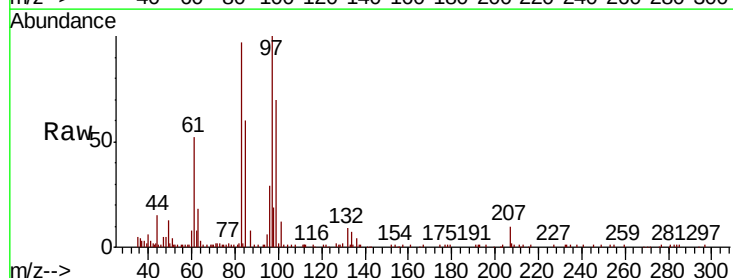
Ion Ratio Lower Upper

97 100

83 96.7 67.3 100.9

85 59.9 46.6 69.8

99 69.8 49.7 74.5

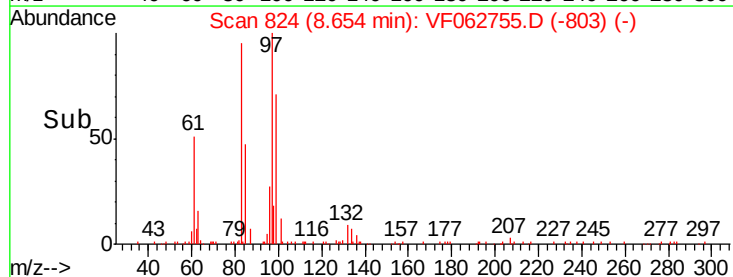
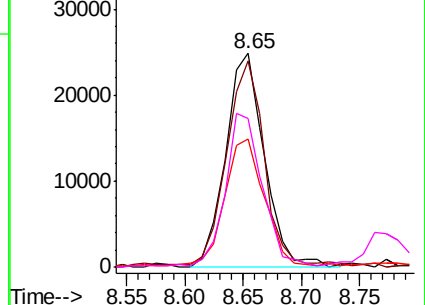


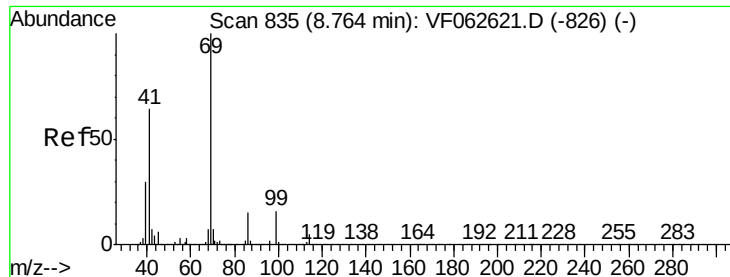
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 13.720 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

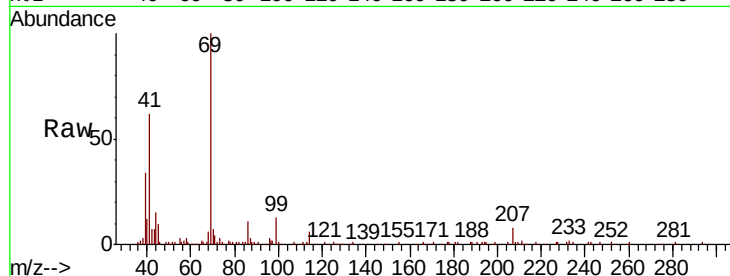
Tot Ion: 69 Resp: 62119

Ion Ratio Lower Upper

69 100

41 62.5 51.4 77.2

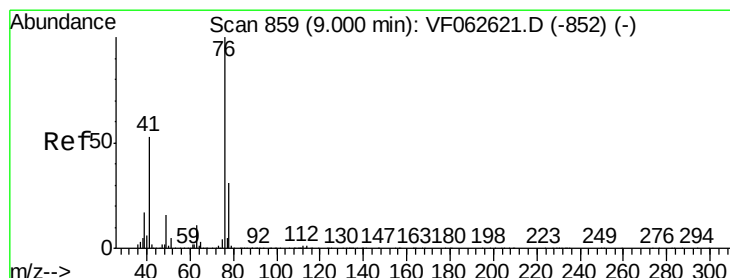
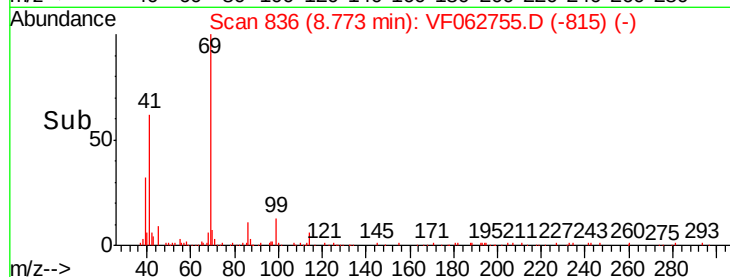
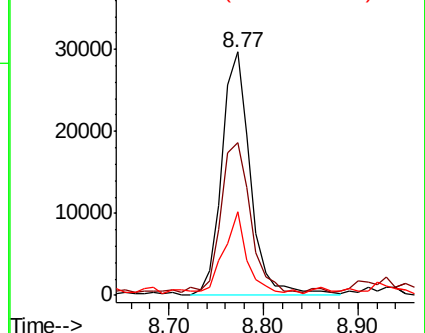
39 34.5 23.6 35.4



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 15.917 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062755.D

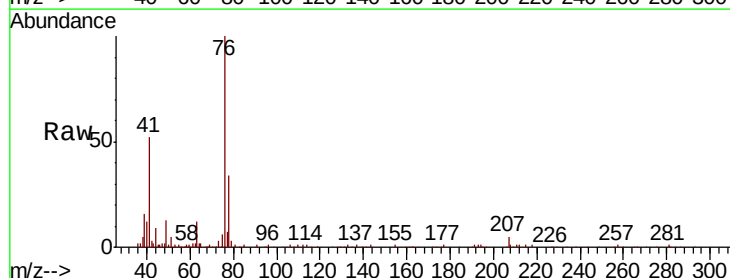
Acq: 28 May 2019 12:37

Tgt Ion: 76 Resp: 103030

Ion Ratio Lower Upper

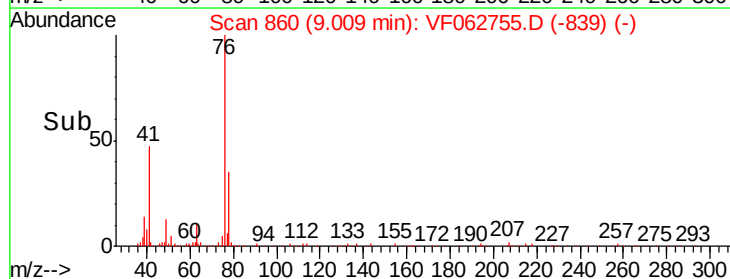
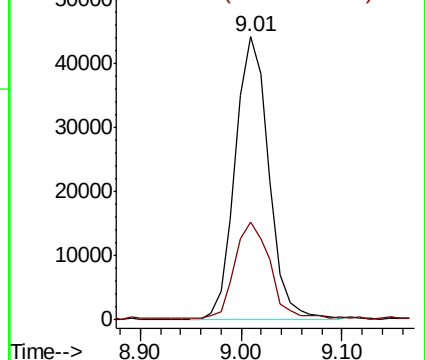
76 100

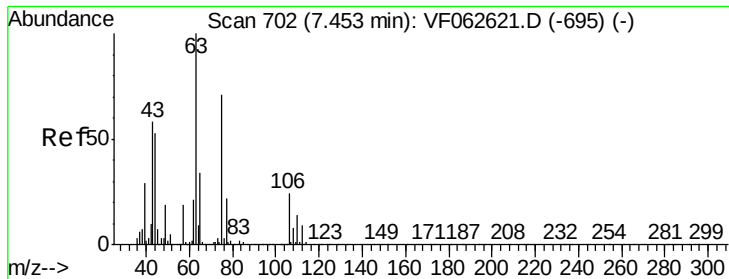
78 34.4 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

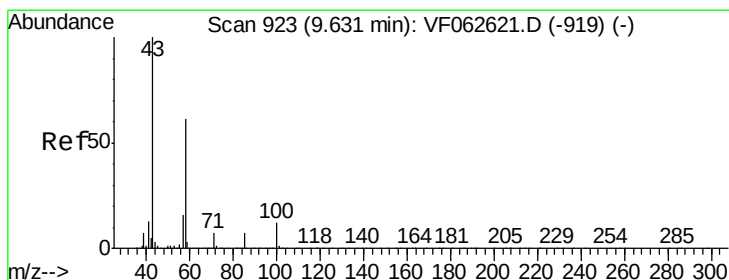
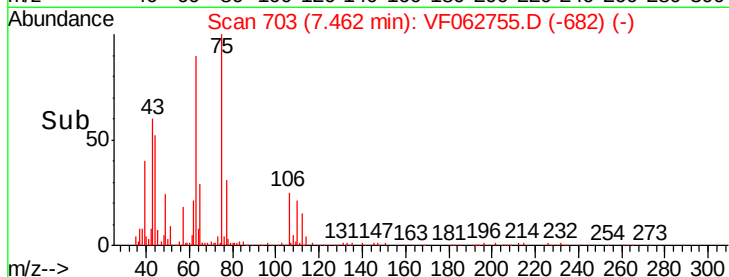
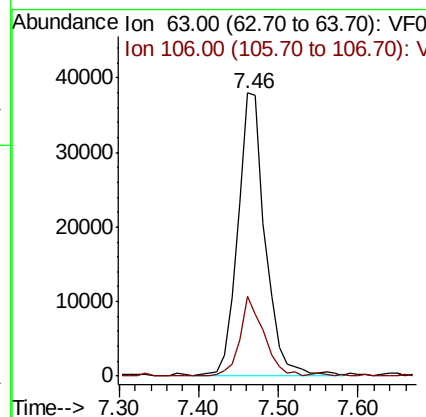
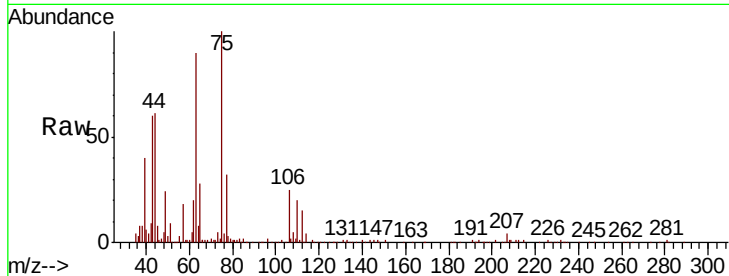




#58
2-Chloroethyl Vinyl ether
Concen: 60.816 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

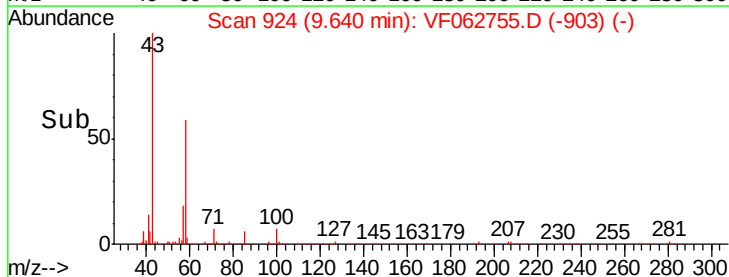
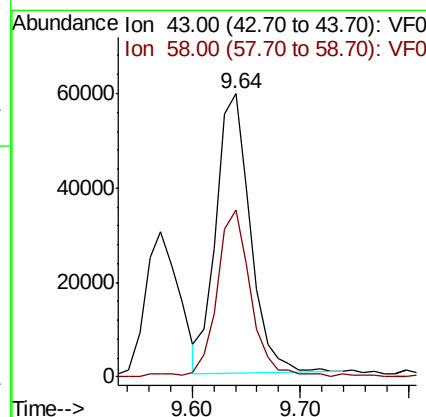
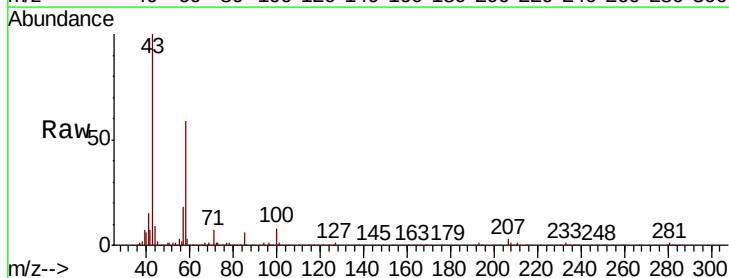
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

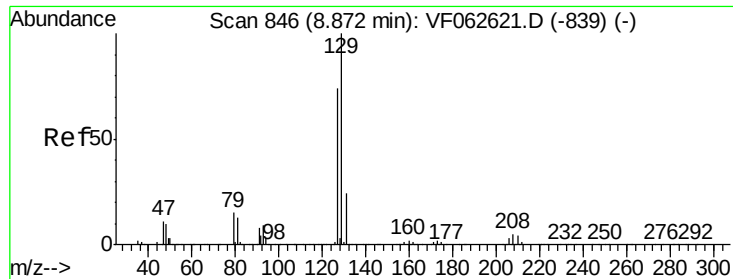
Tot Ion: 63 Resp: 89625
Ion Ratio Lower Upper
63 100
106 28.0 19.1 28.7



#59
2-Hexanone
Concen: 46.855 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 43 Resp: 129629
Ion Ratio Lower Upper
43 100
58 58.8 28.1 84.4





#60

Dibromochloromethane

Concen: 17.411 ug/l

RT: 8.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

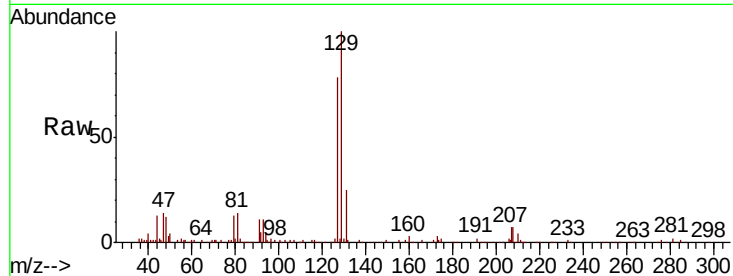
VF0528SBS01

Tot Ion:129 Resp: 86238

Ion Ratio Lower Upper

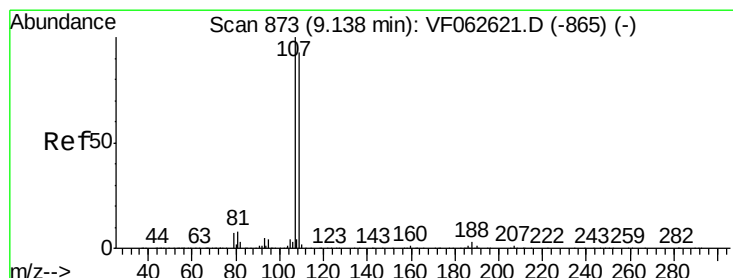
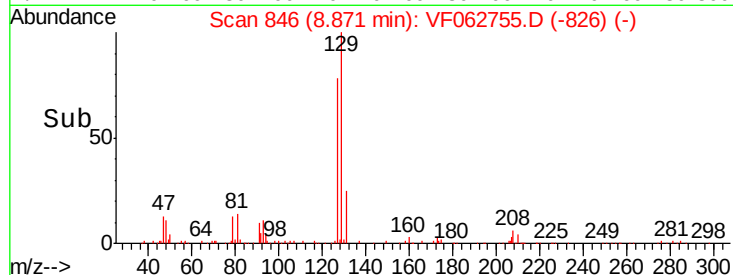
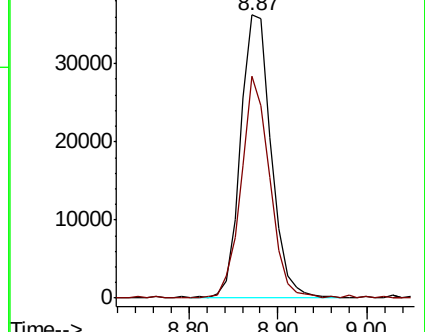
129 100

127 78.2 37.2 111.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 15.749 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062755.D

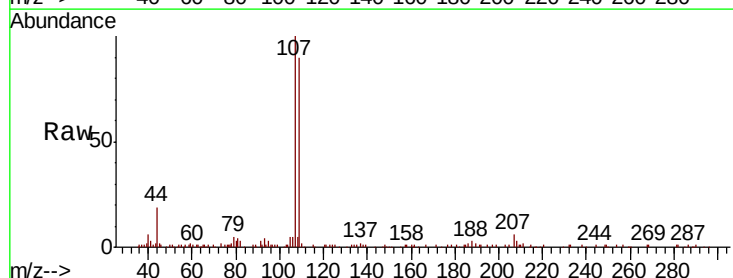
Acq: 28 May 2019 12:37

Tgt Ion:107 Resp: 63569

Ion Ratio Lower Upper

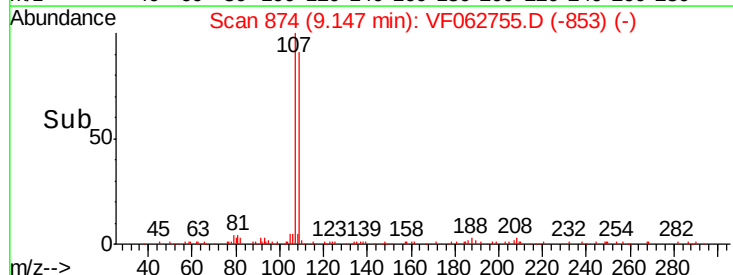
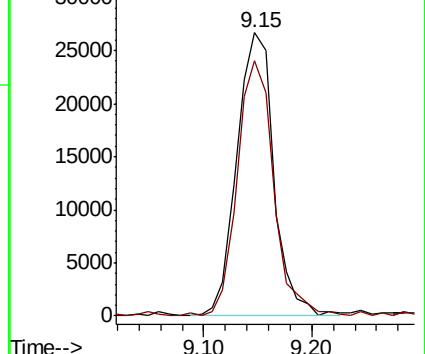
107 100

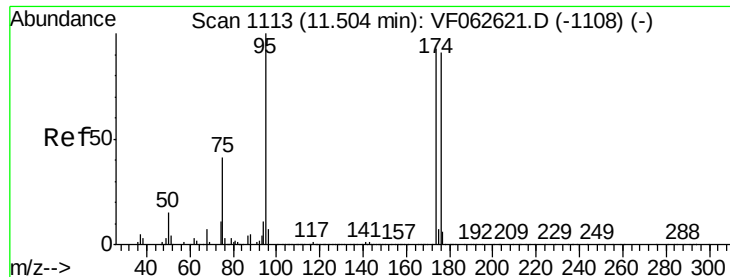
109 90.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 39.599 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

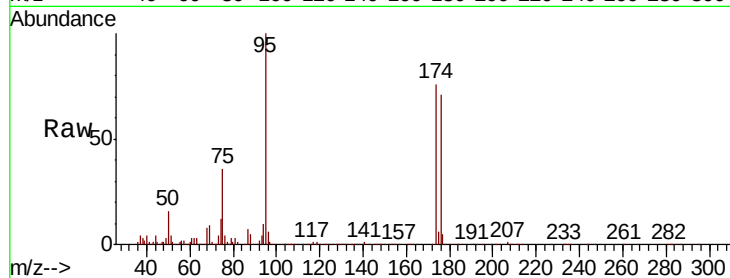
Tot Ion: 95 Resp: 240559

Ion Ratio Lower Upper

95 100

174 75.6 0.0 185.6

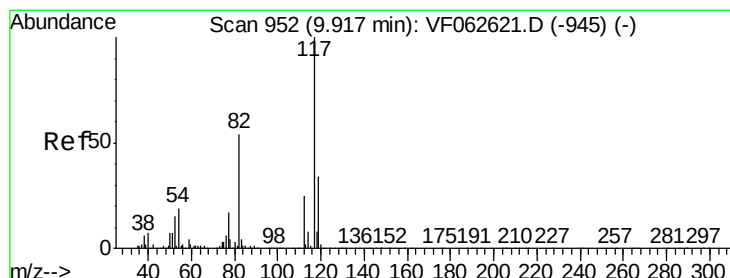
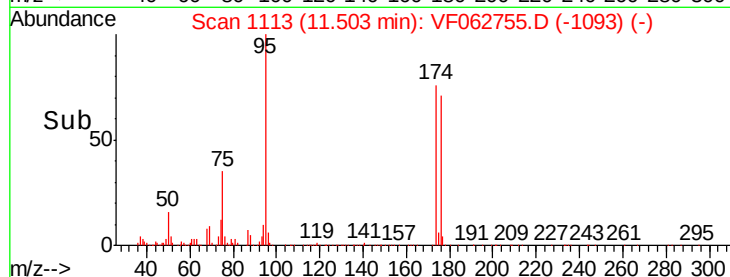
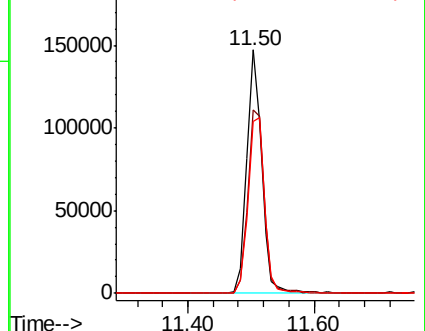
176 70.9 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

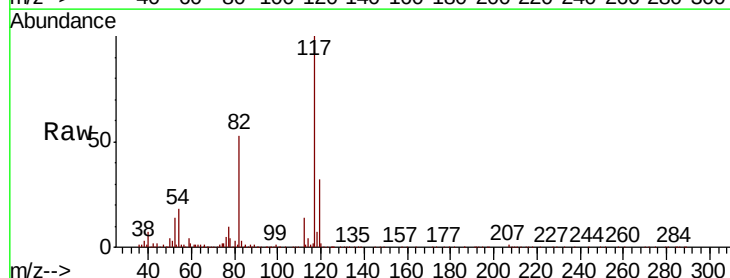
Tgt Ion: 117 Resp: 626496

Ion Ratio Lower Upper

117 100

82 53.4 43.3 64.9

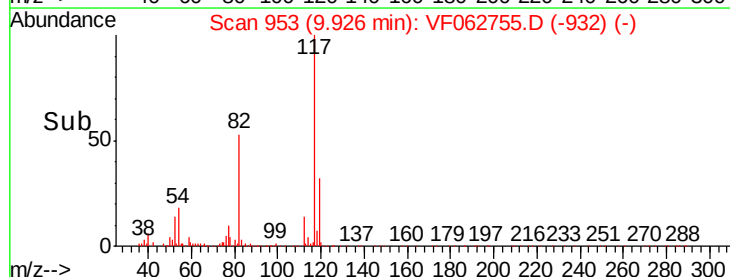
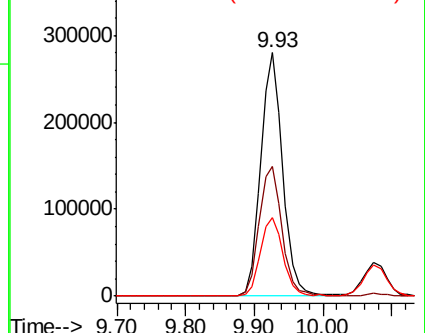
119 32.4 27.4 41.0

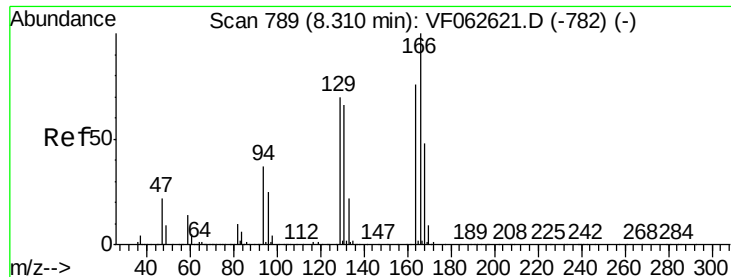


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 25.817 ug/l

RT: 8.32 min Scan# 790

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion:164 Resp: 128137

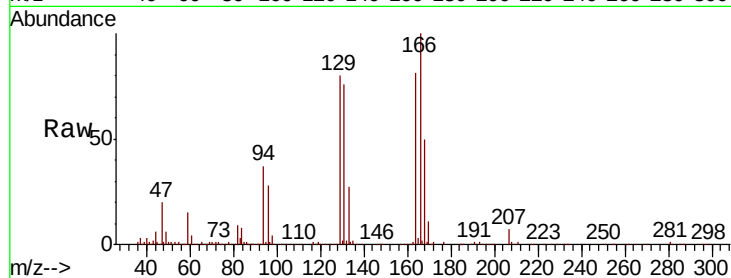
Ion Ratio Lower Upper

164 100

166 123.8 105.5 158.3

129 98.6 73.8 110.6

131 94.1 69.5 104.3

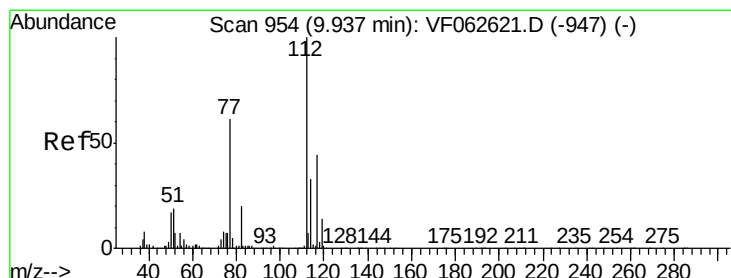
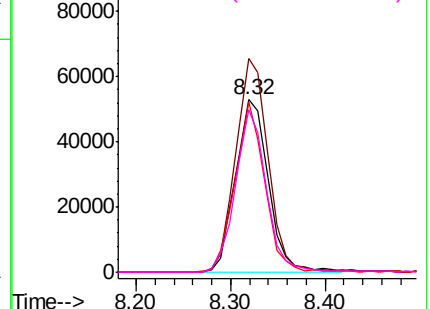
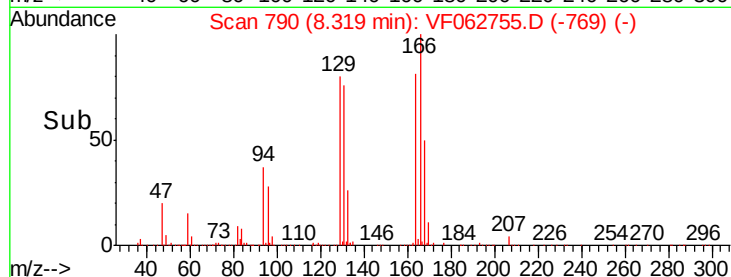


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65

Chlorobenzene

Concen: 22.380 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062755.D

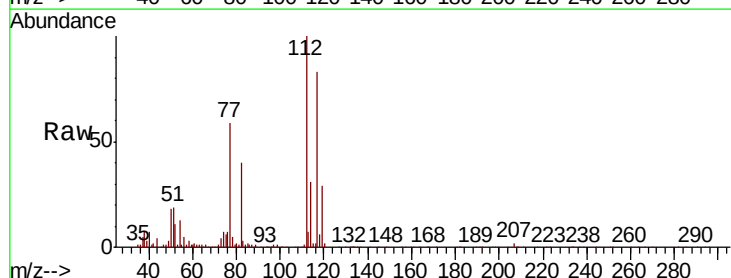
Acq: 28 May 2019 12:37

Tgt Ion:112 Resp: 275383

Ion Ratio Lower Upper

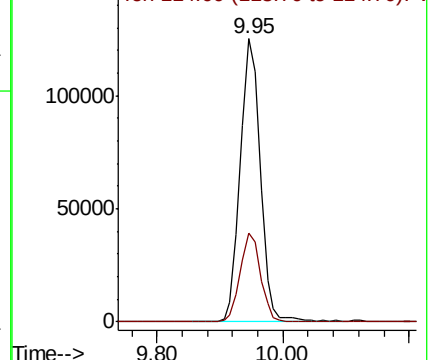
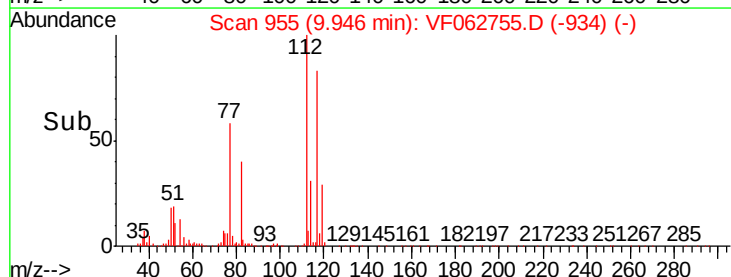
112 100

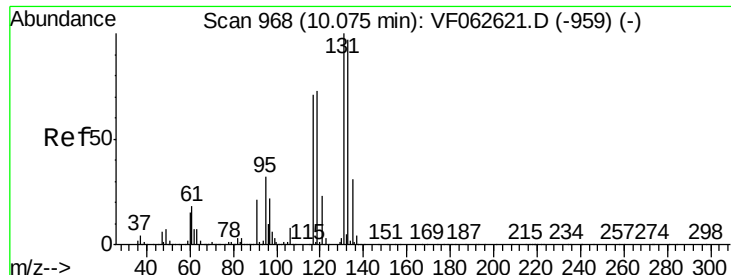
114 31.2 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 23.738 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

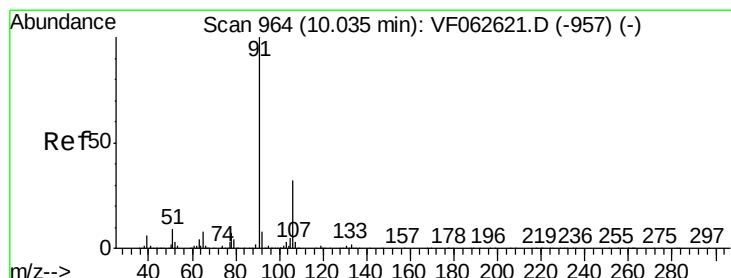
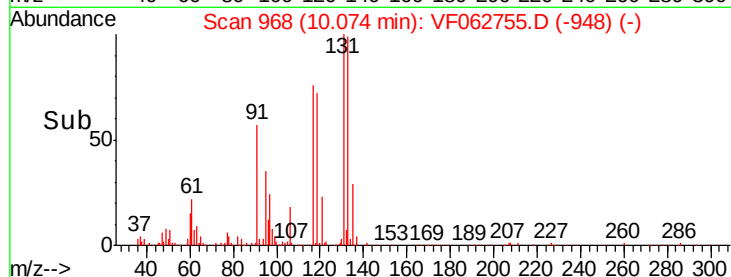
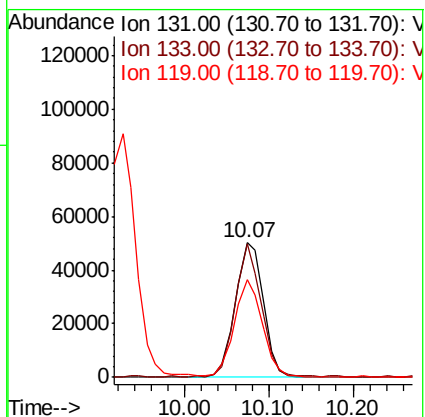
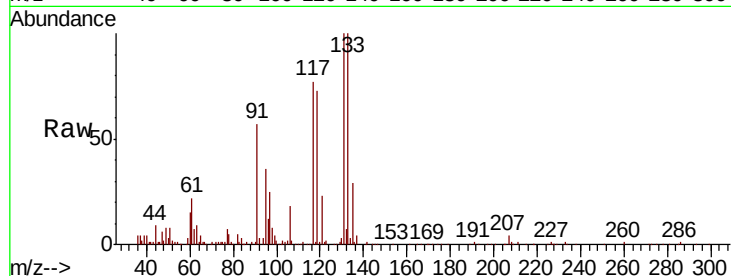
Tot Ion:131 Resp: 117260

Ion Ratio Lower Upper

131 100

133 99.9 48.5 145.5

119 72.6 36.8 110.4



#67

Ethyl Benzene

Concen: 25.375 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062755.D

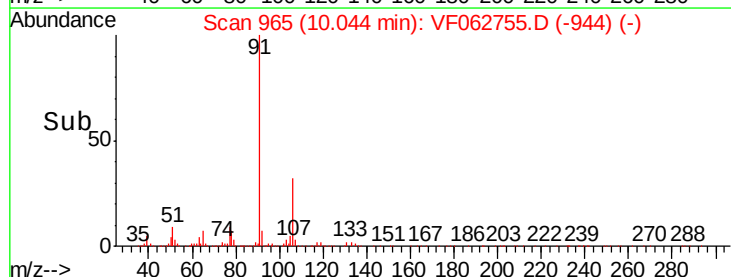
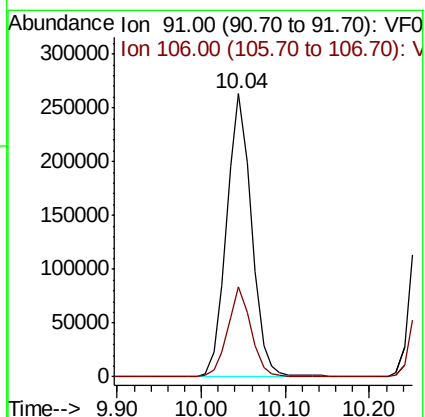
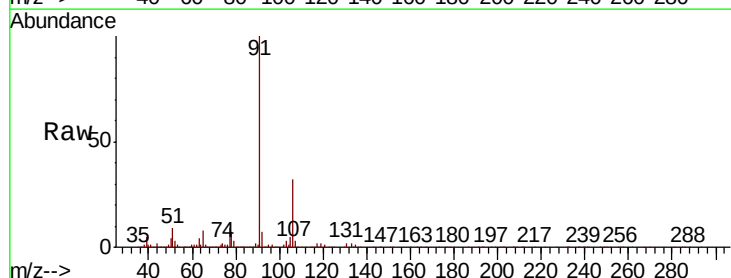
Acq: 28 May 2019 12:37

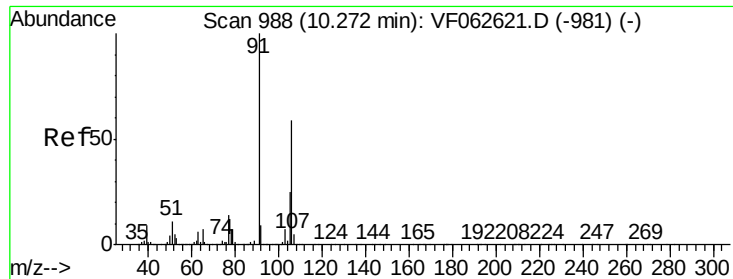
Tgt Ion: 91 Resp: 542417

Ion Ratio Lower Upper

91 100

106 31.7 25.8 38.8

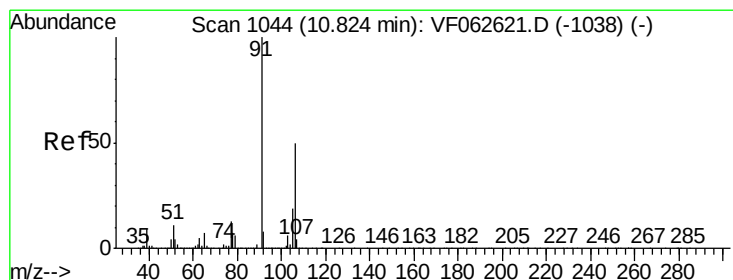
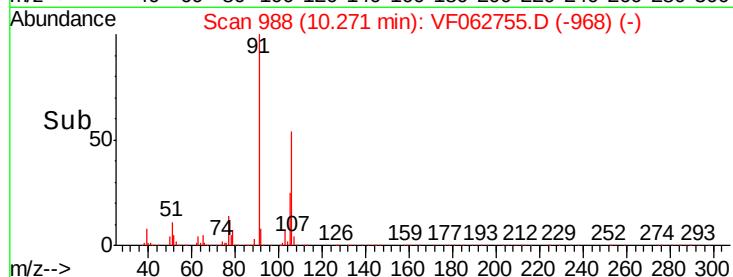
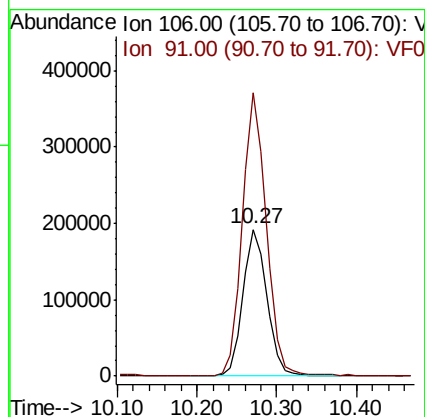
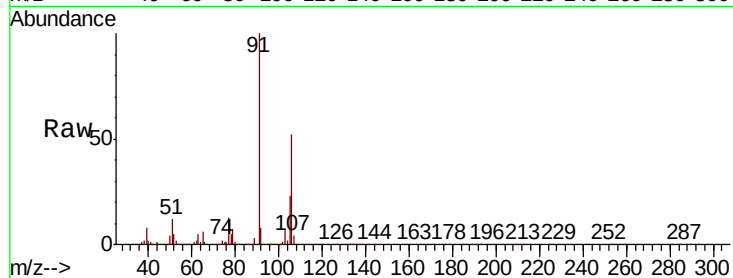




#68
m/p-Xylenes
Concen: 49.894 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

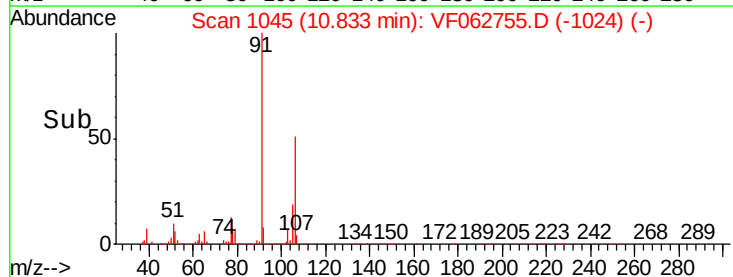
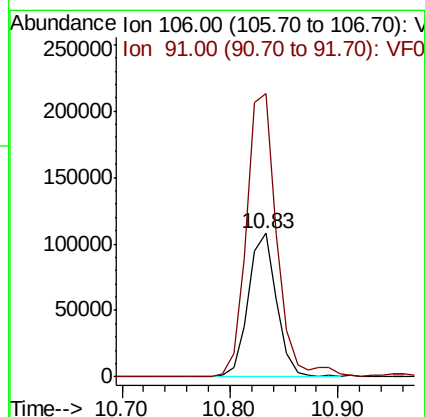
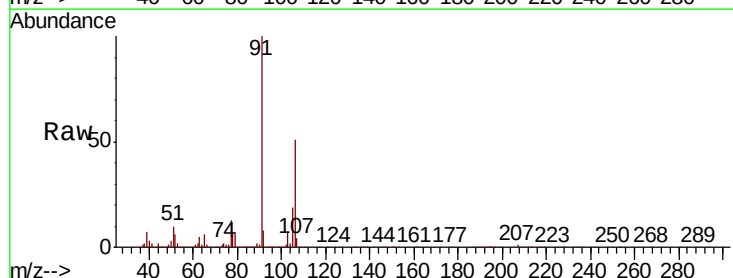
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

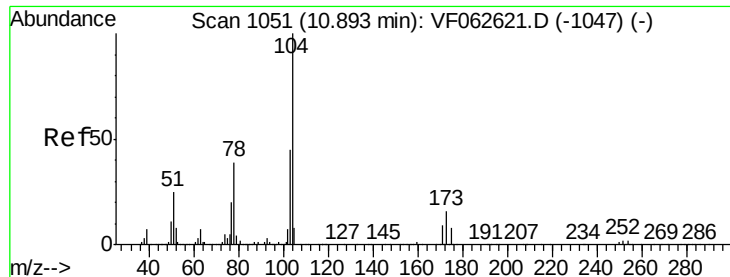
Tot Ion:106 Resp: 400859
Ion Ratio Lower Upper
106 100
91 192.7 136.9 205.3



#69
o-Xylene
Concen: 23.600 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion:106 Resp: 195299
Ion Ratio Lower Upper
106 100
91 197.1 100.2 300.5





#70

Stvrene

Concen: 20.891 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

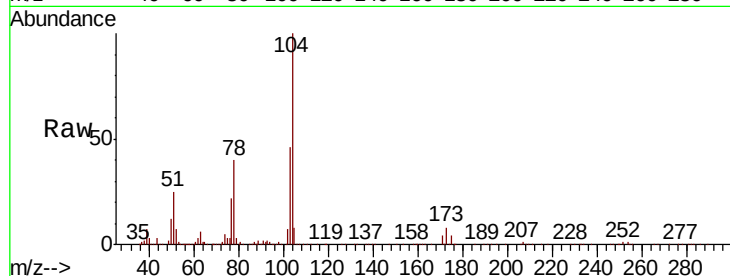
Tot Ion:104 Resp: 262761

Ion Ratio Lower Upper

104 100

78 40.0 31.9 47.9

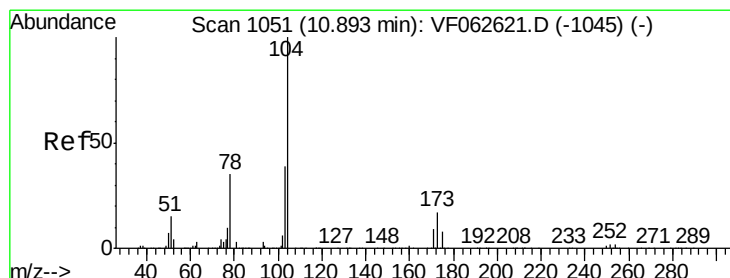
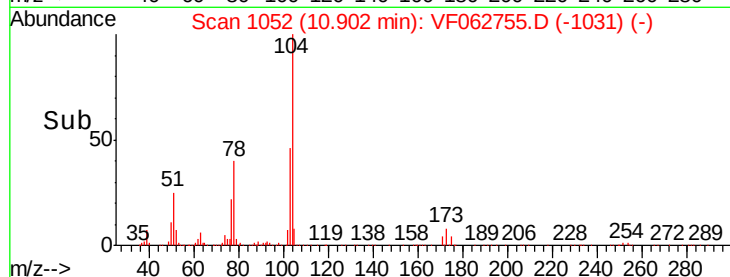
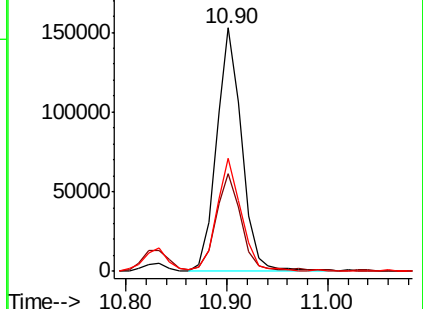
103 46.3 36.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 16.229 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

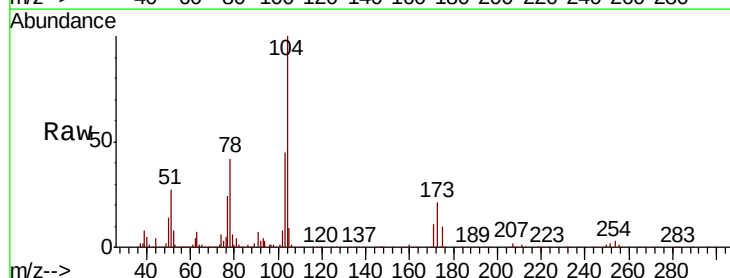
Tgt Ion:173 Resp: 40150

Ion Ratio Lower Upper

173 100

175 47.8 25.3 75.9

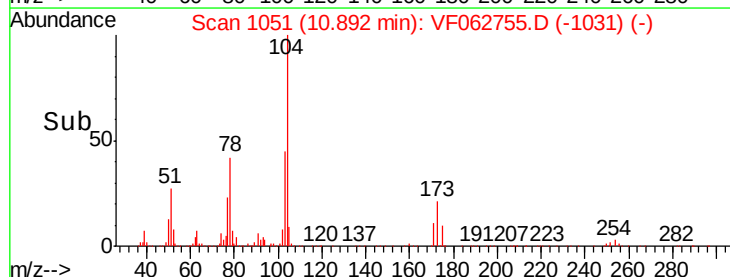
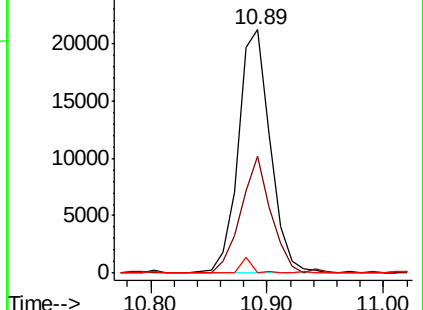
254 0.0 0.2 0.2#

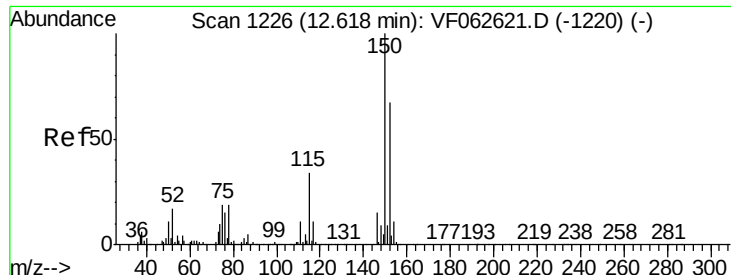


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



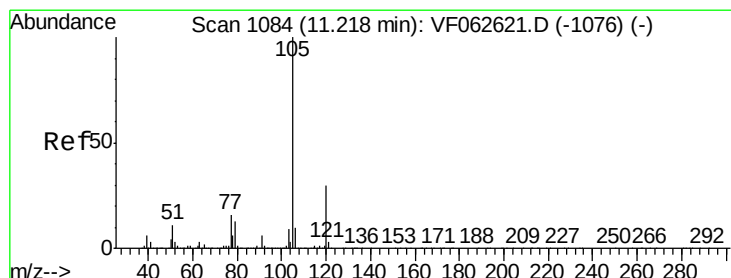
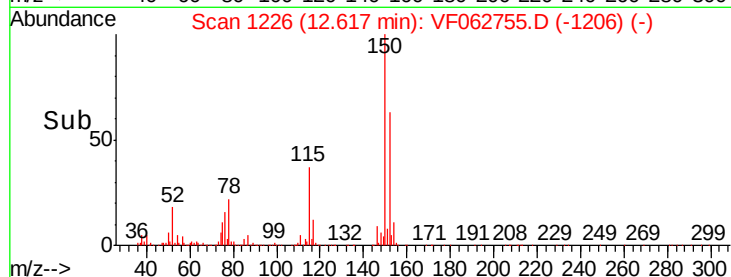
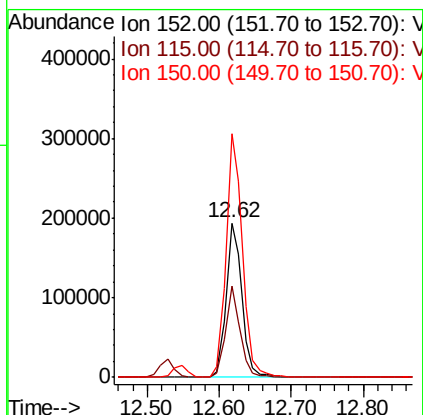
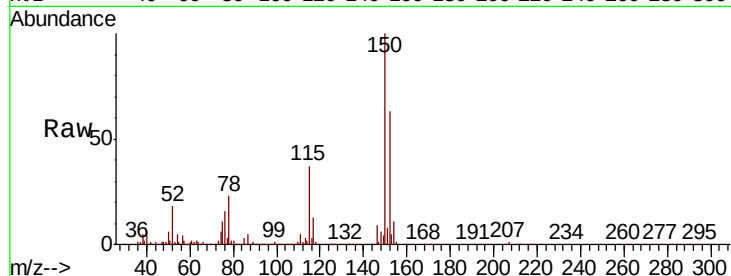


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

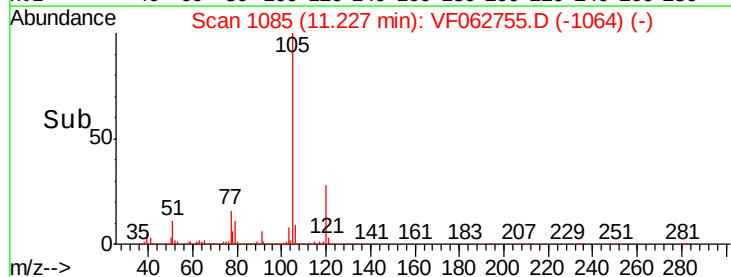
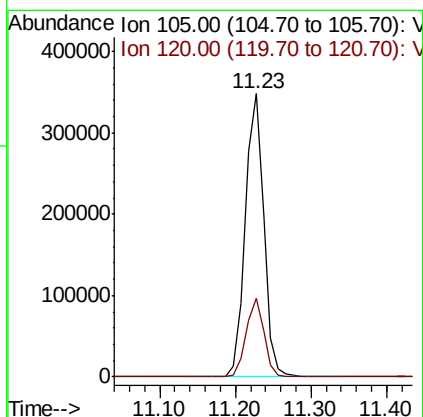
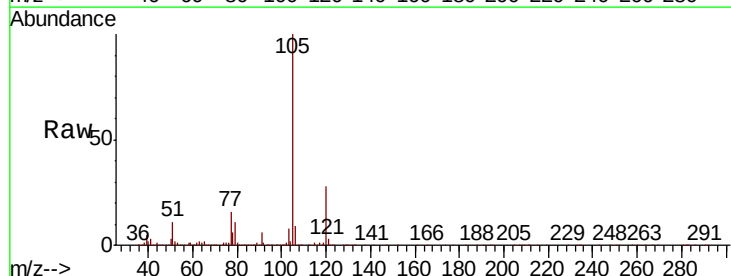
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.2	25.2	75.6
150	158.1	0.0	306.2

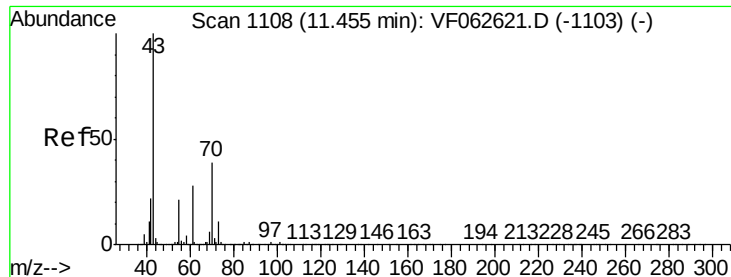


#73

Isopropylbenzene
Concen: 28.135 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	14.8	44.4





#74

N-amvl acetate

Concen: 10.628 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

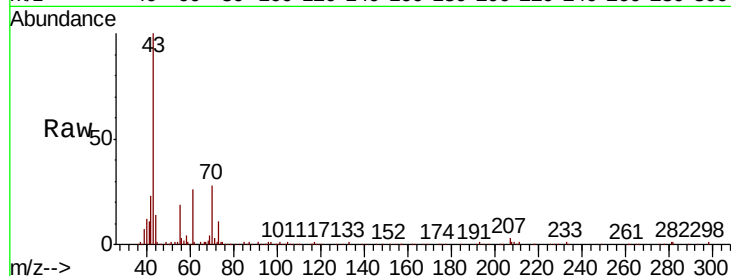
MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 43 Resp: 79129

Ion	Ratio	Lower	Upper
43	100		
70	28.2	30.9	46.3#
55	19.1	17.0	25.4
61	25.9	22.6	34.0

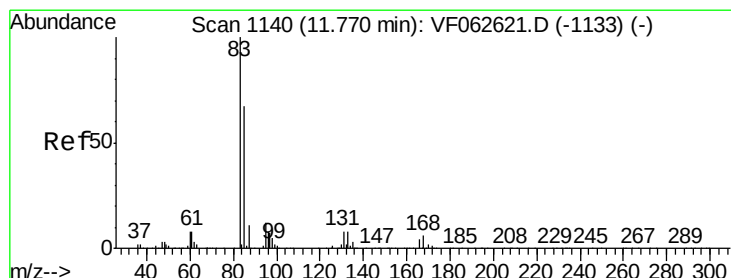
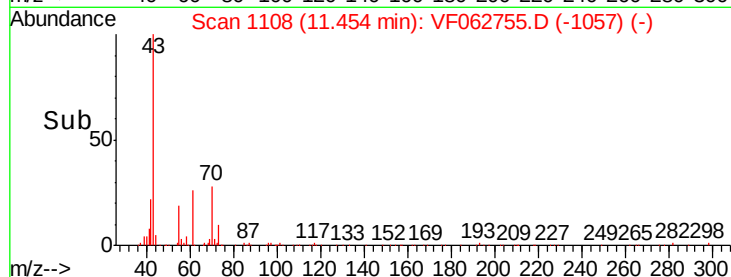
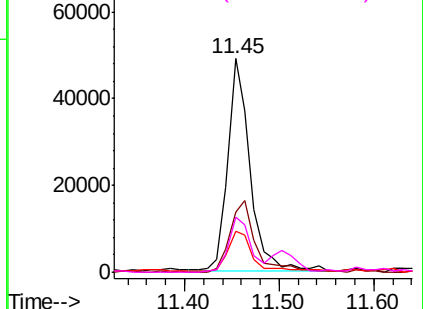


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 16.049 ug/l

RT: 11.78 min Scan# 1141

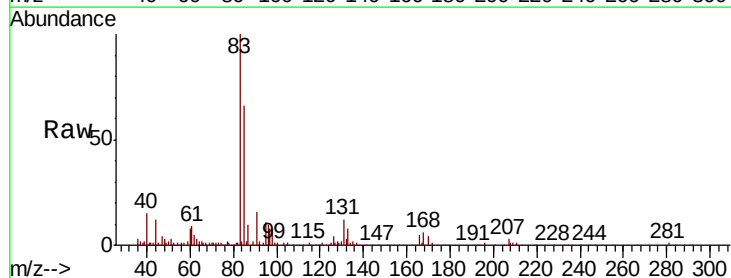
Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion: 83 Resp: 68563

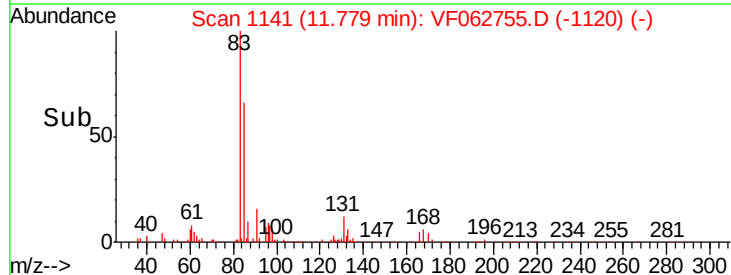
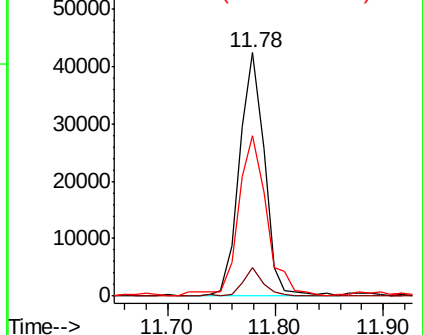
Ion	Ratio	Lower	Upper
83	100		
131	12.0	4.0	12.0
85	65.9	33.5	100.5

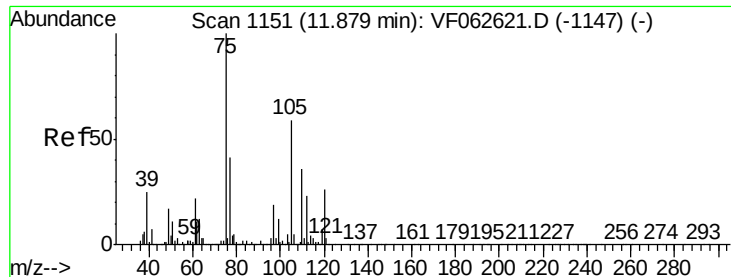


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

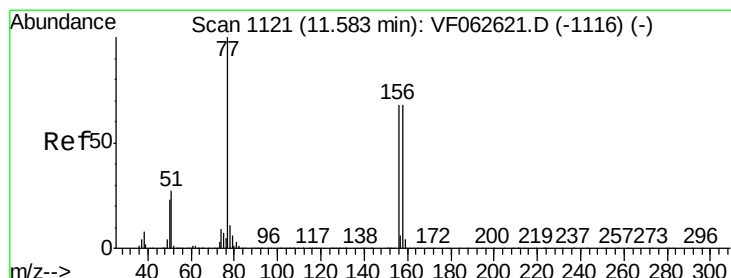
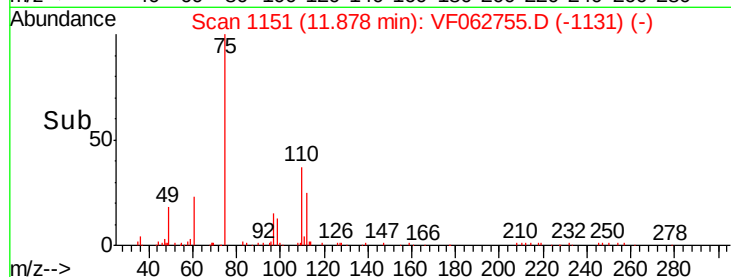
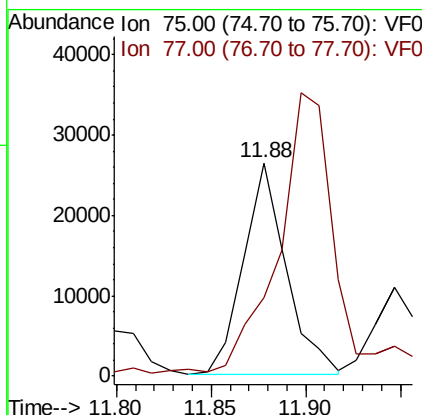
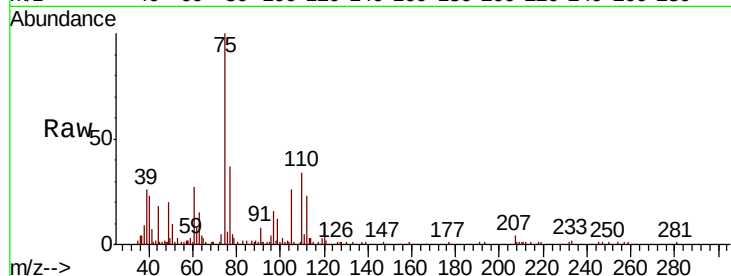




#76
 1,2,3-Trichloropropane
 Concen: 14.608 ug/l
 RT: 11.88 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

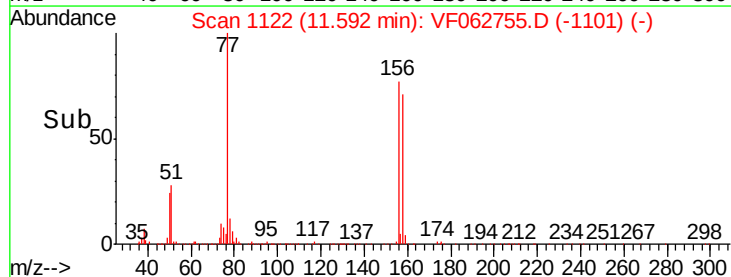
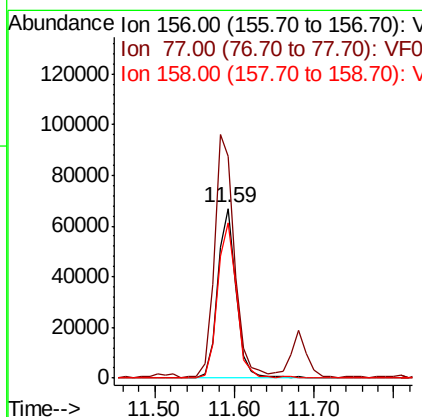
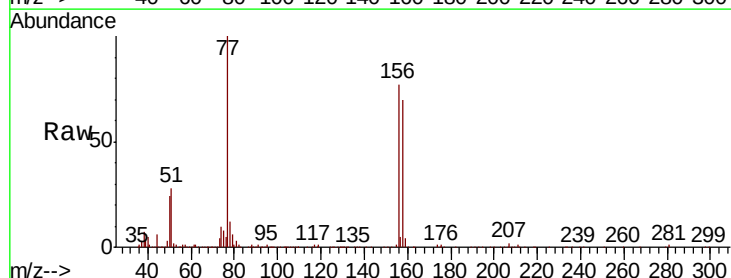
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

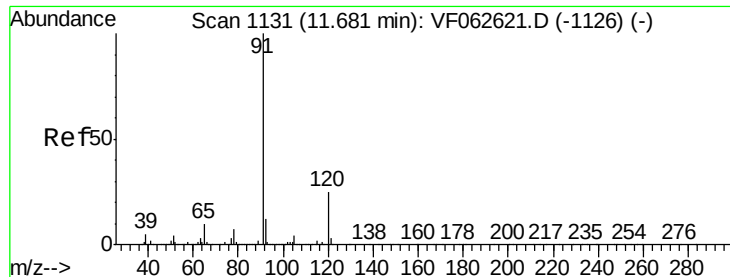
Tot Ion: 75 Resp: 41004
 Ion Ratio Lower Upper
 75 100
 77 37.0 20.6 61.8



#77
 Bromobenzene
 Concen: 21.159 ug/l
 RT: 11.59 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion: 156 Resp: 109946
 Ion Ratio Lower Upper
 156 100
 77 130.7 73.6 220.8
 158 92.0 49.6 148.8





#78

n-propylbenzene

Concen: 28.495 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

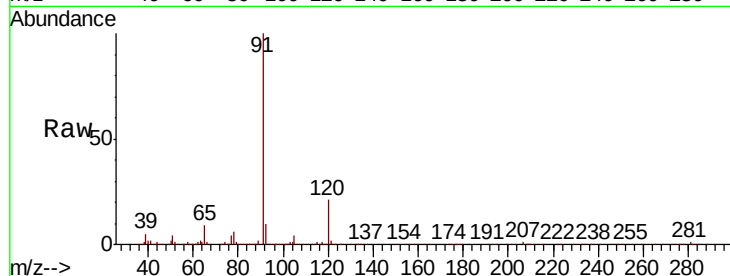
VF0528SBS01

Tot Ion: 91 Resp: 704956

Ion Ratio Lower Upper

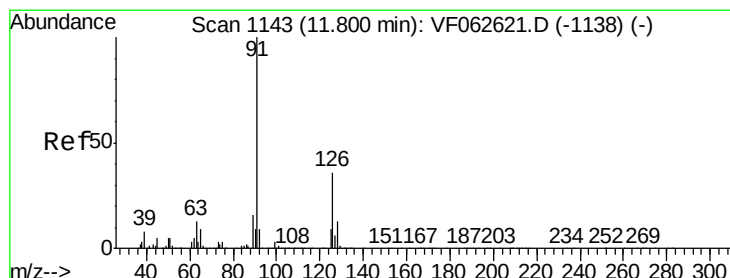
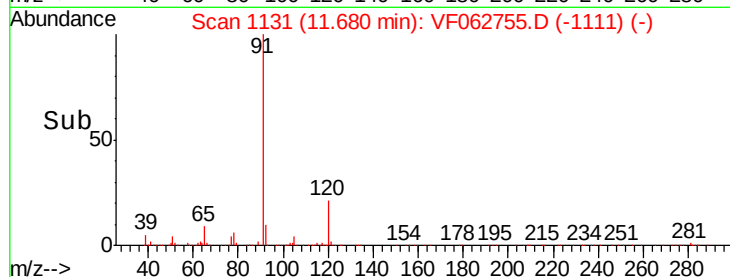
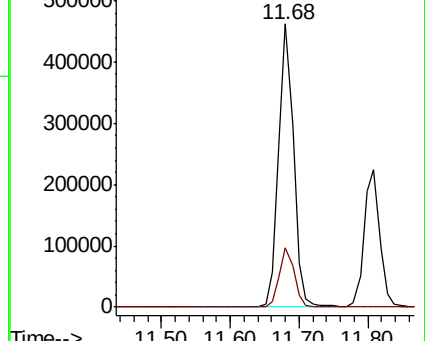
91 100

120 20.8 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: 24.923 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062755.D

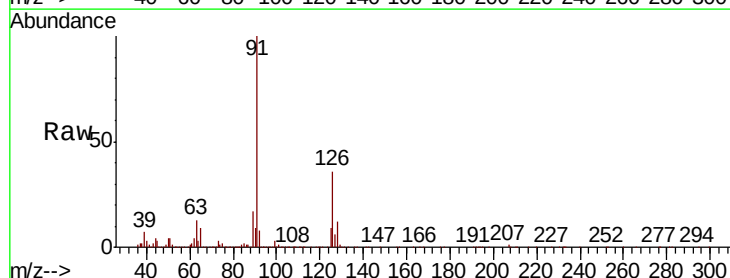
Acq: 28 May 2019 12:37

Tgt Ion: 91 Resp: 347478

Ion Ratio Lower Upper

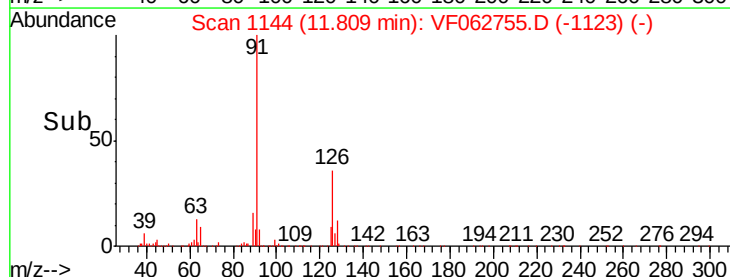
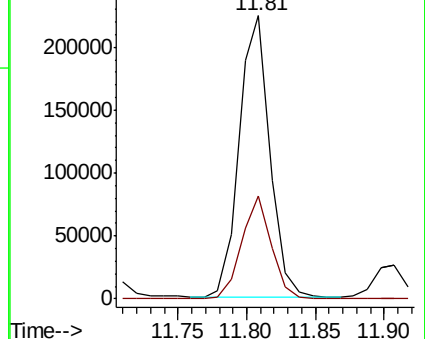
91 100

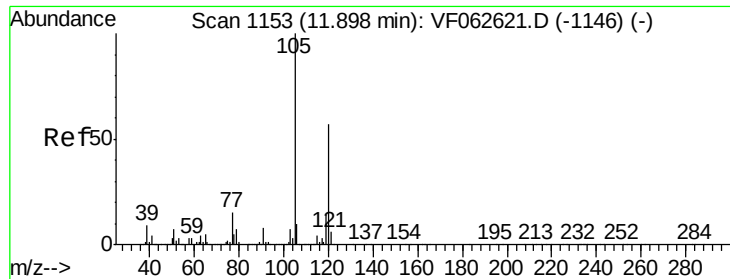
126 36.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 26.694 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

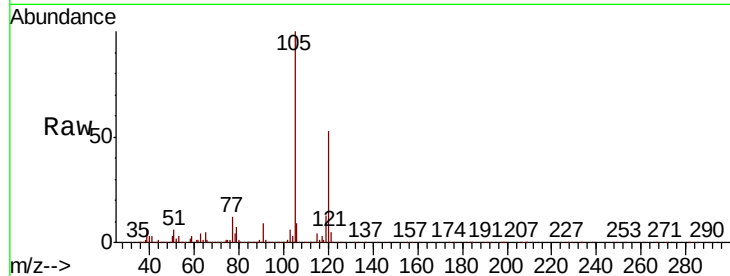
VF0528SBS01

Tot Ion:105 Resp: 447446

Ion Ratio Lower Upper

105 100

120 53.0 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

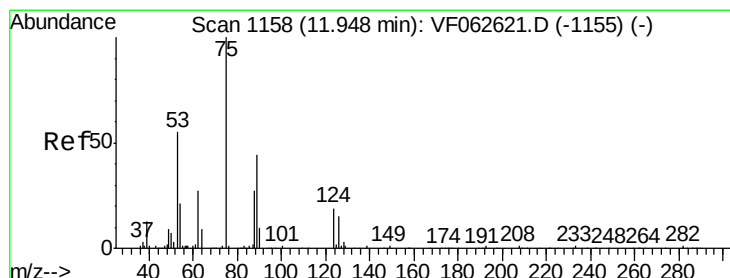
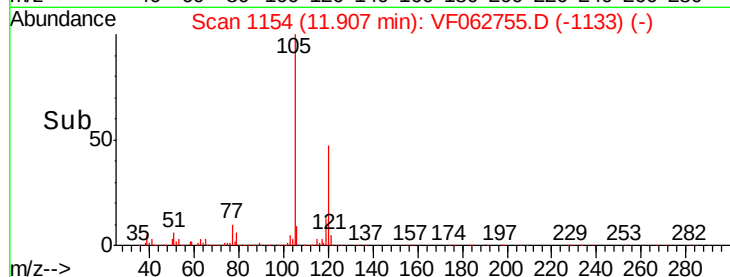
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 13.182 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

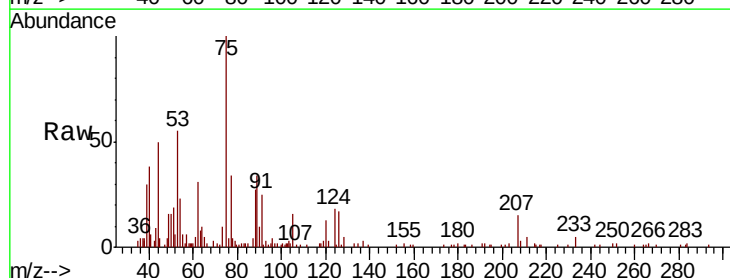
Tgt Ion: 75 Resp: 16448

Ion Ratio Lower Upper

75 100

53 55.0 46.9 70.3

89 34.1 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

25000

20000

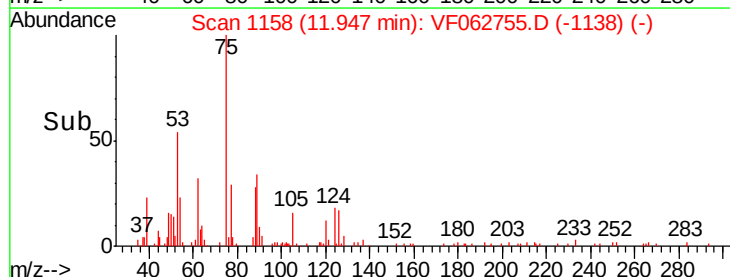
15000

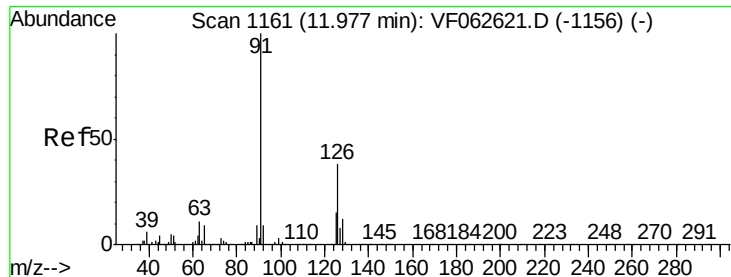
10000

5000

0

Time-->

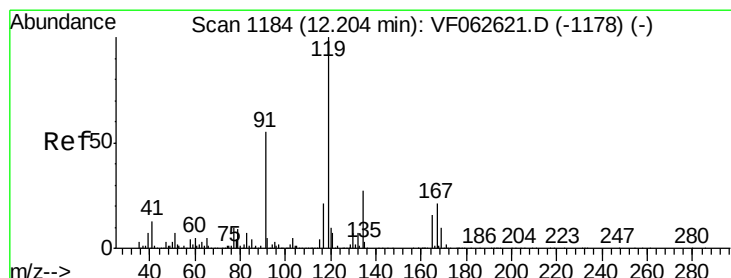
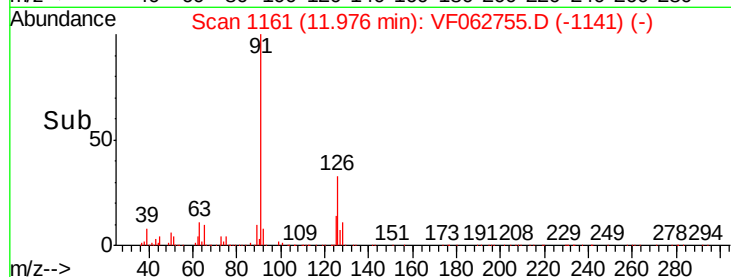
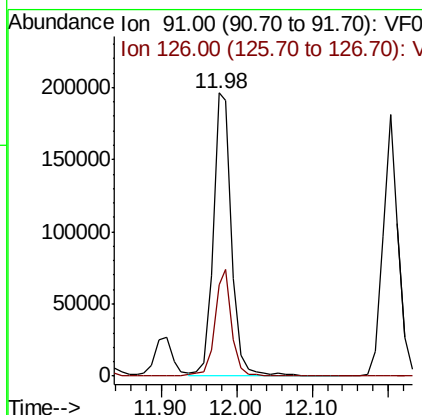
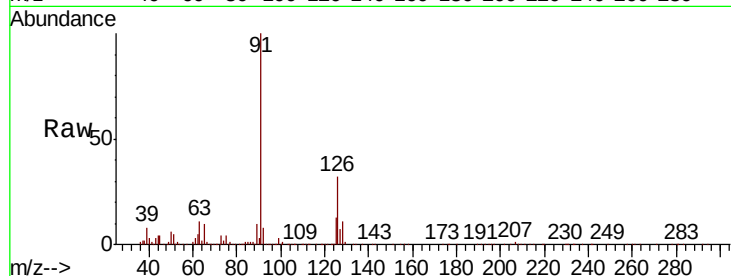




#82
4-Chlorotoluene
Concen: 24.118 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

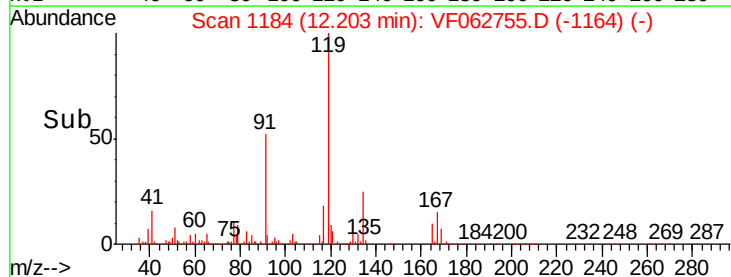
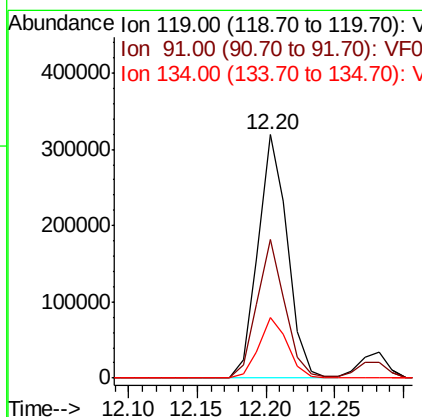
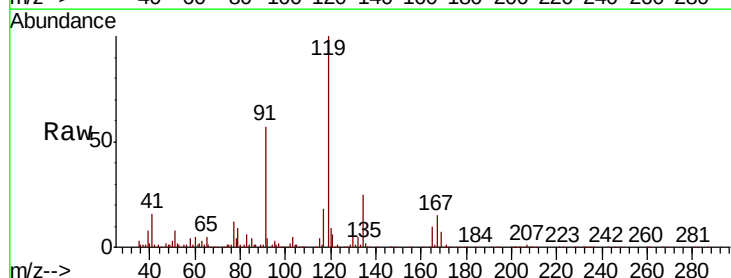
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

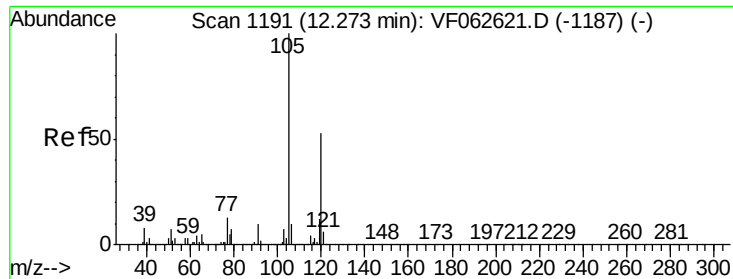
Tot Ion: 91 Resp: 331592
Ion Ratio Lower Upper
91 100
126 32.2 19.1 57.1



#83
tert-Butylbenzene
Concen: 28.075 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 119 Resp: 477442
Ion Ratio Lower Upper
119 100
91 56.8 27.3 81.9
134 25.0 13.6 40.7

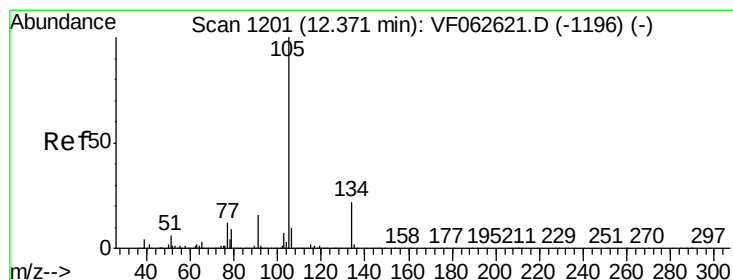
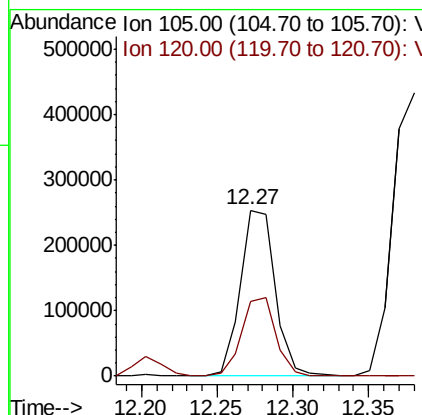
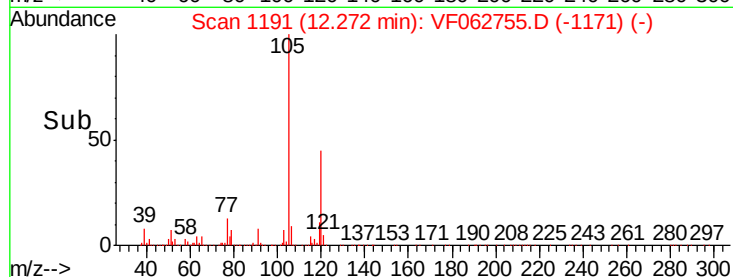
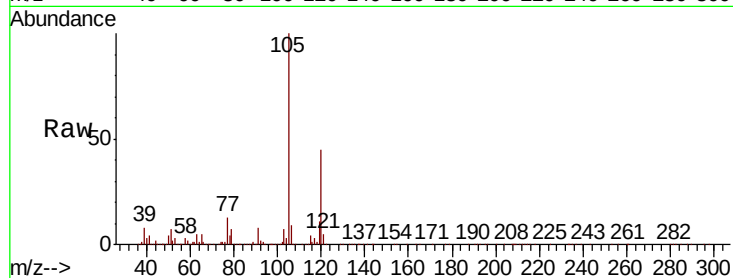




#84
 1,2,4-Trimethylbenzene
 Concen: 25.061 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

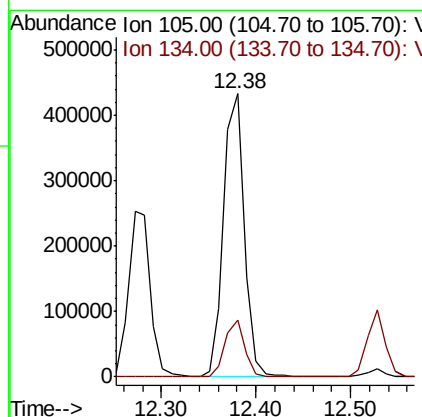
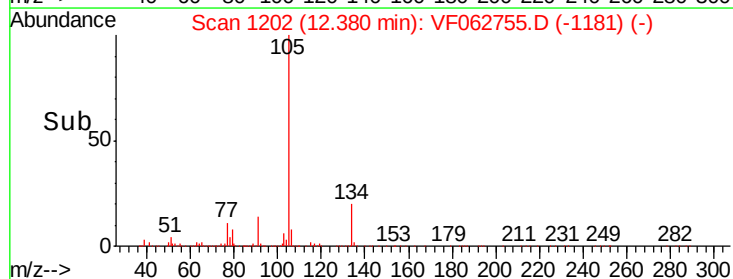
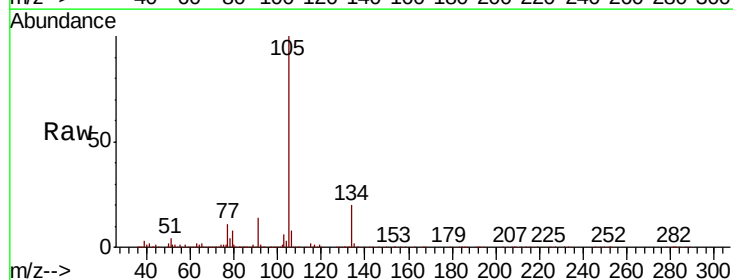
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

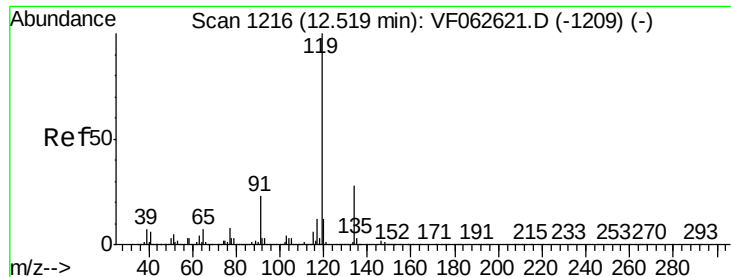
Tot Ion:105 Resp: 406572
 Ion Ratio Lower Upper
 105 100
 120 44.8 26.7 80.1



#85
 sec-Butylbenzene
 Concen: 28.761 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion:105 Resp: 656387
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.8 32.4

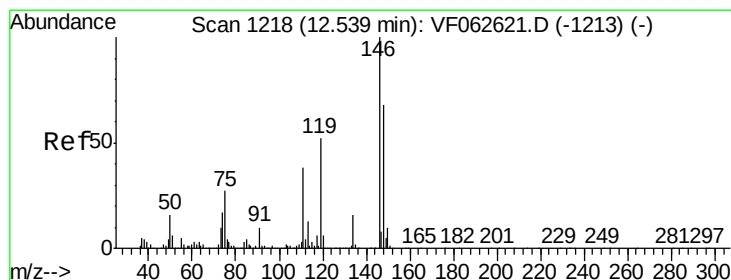
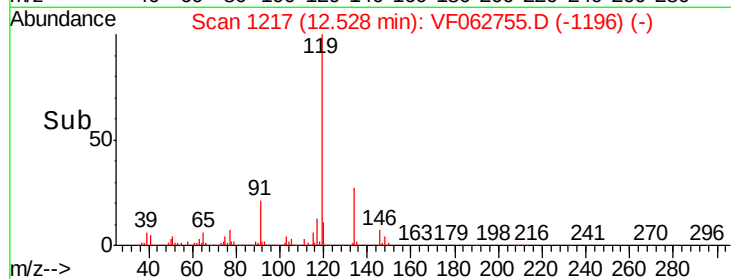
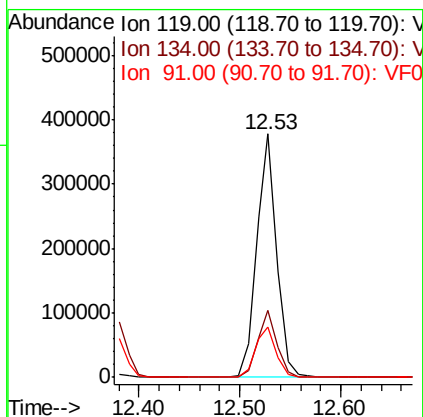
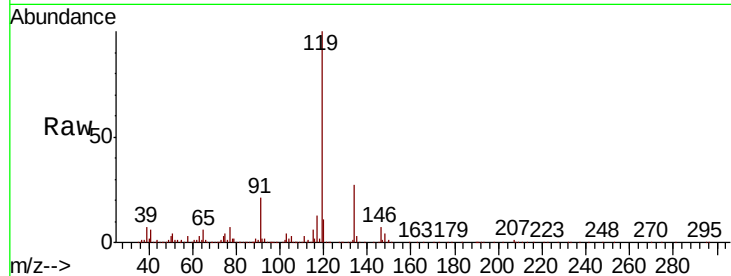




#86
p-Isopropyltoluene
Concen: 27.094 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

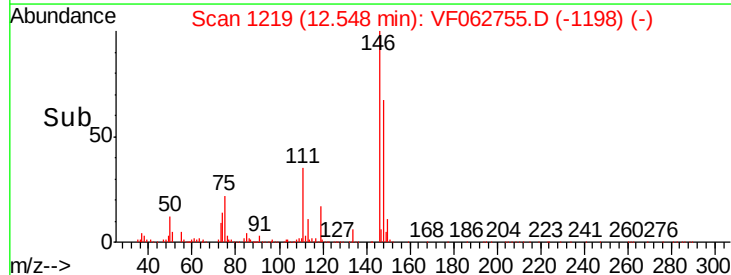
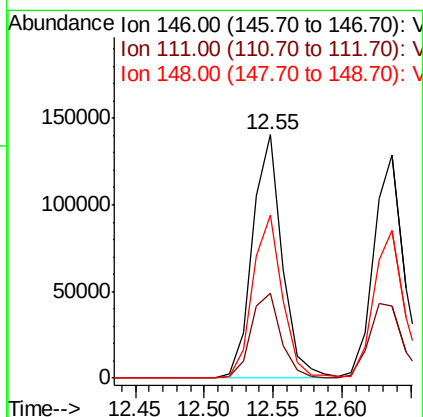
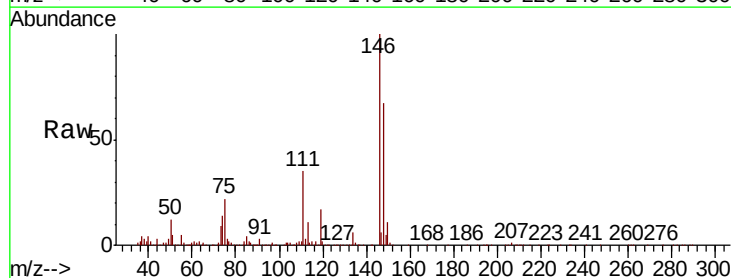
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

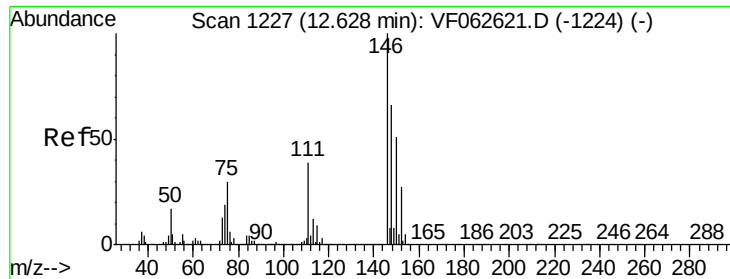
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	14.1	42.3
91	20.9	11.4	34.2



#87
1,3-Dichlorobenzene
Concen: 22.542 ug/l
RT: 12.55 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.9	56.9
148	66.9	34.0	101.8





#88

1,4-Dichlorobenzene

Concen: 22.304 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

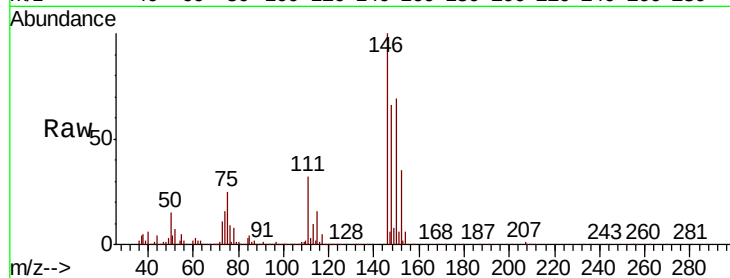
Tot Ion:146 Resp: 196762

Ion Ratio Lower Upper

146 100

111 32.2 19.4 58.2

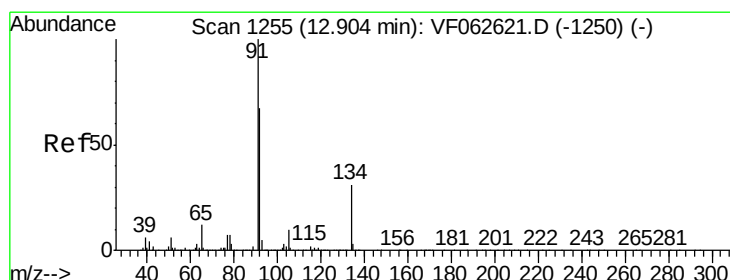
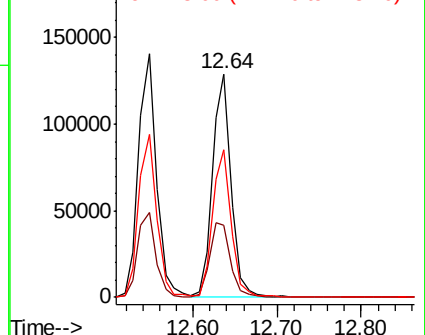
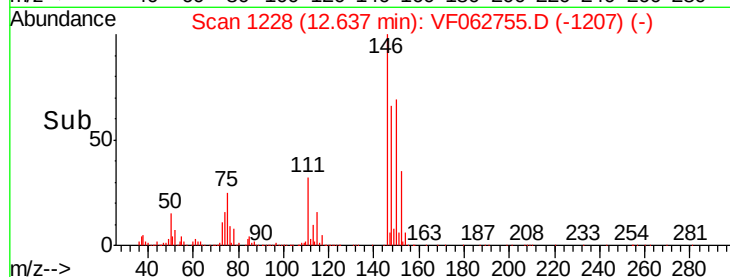
148 66.3 33.2 99.6



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



#89

n-Butylbenzene

Concen: 28.333 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

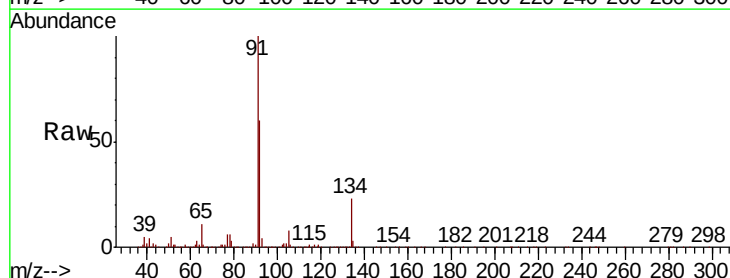
Tgt Ion: 91 Resp: 537284

Ion Ratio Lower Upper

91 100

92 59.9 33.3 99.8

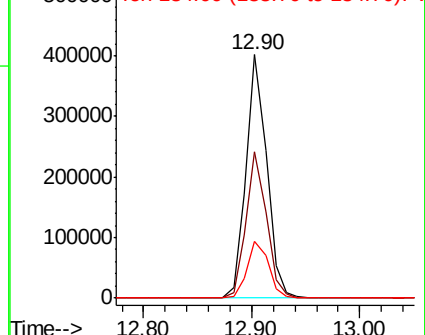
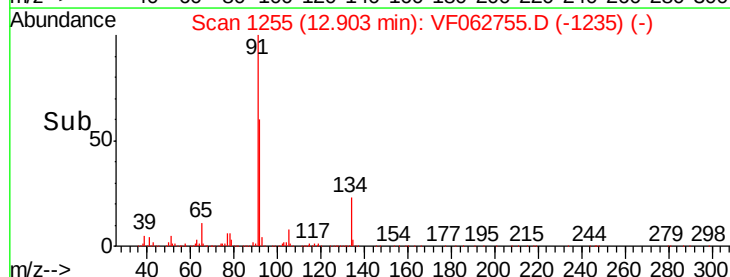
134 23.4 15.4 46.4

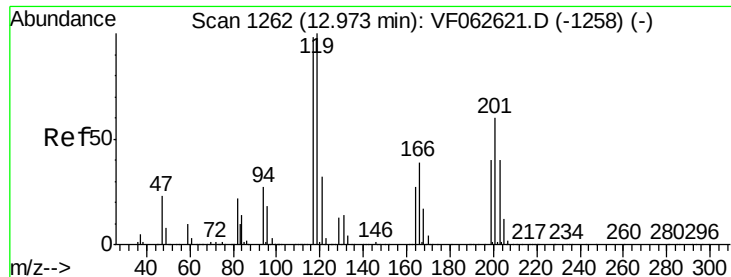


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

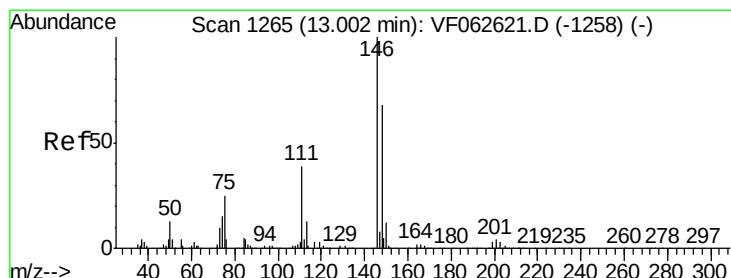
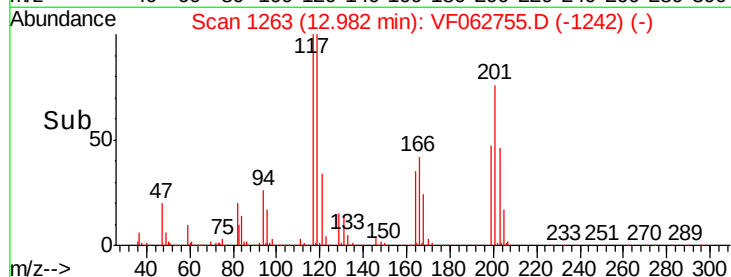
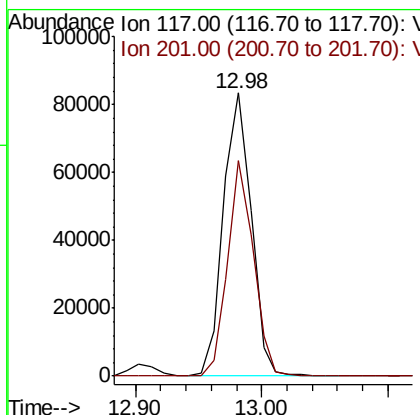
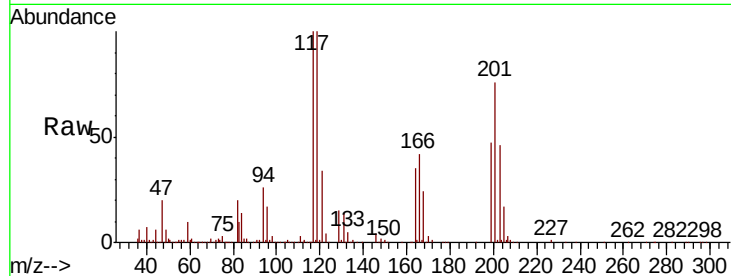




#90
Hexachloroethane
Concen: 27.673 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

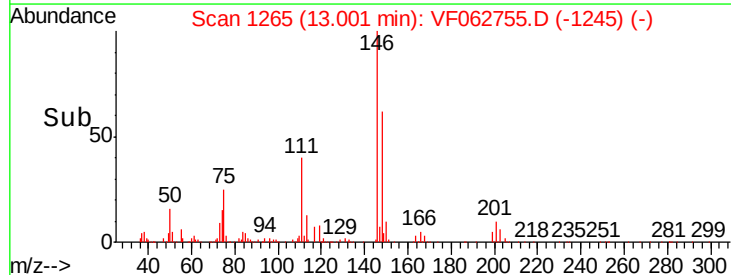
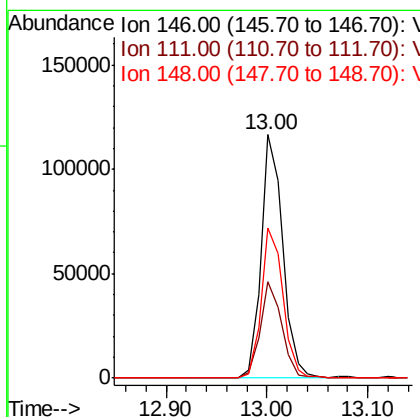
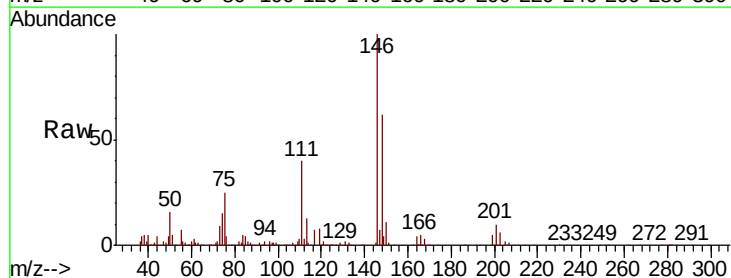
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

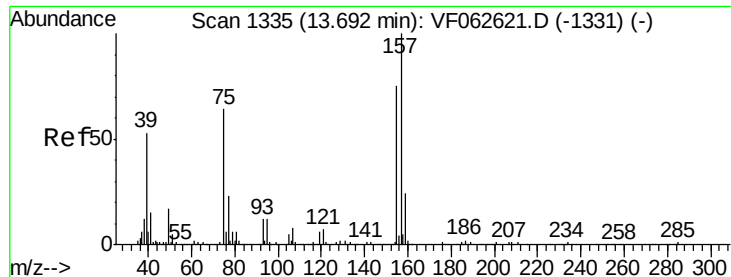
Tot Ion:117 Resp: 127678
Ion Ratio Lower Upper
117 100
201 76.1 30.7 92.1



#91
1,2-Dichlorobenzene
Concen: 20.884 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion:146 Resp: 175001
Ion Ratio Lower Upper
146 100
111 39.5 19.8 59.3
148 61.8 34.1 102.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.838 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

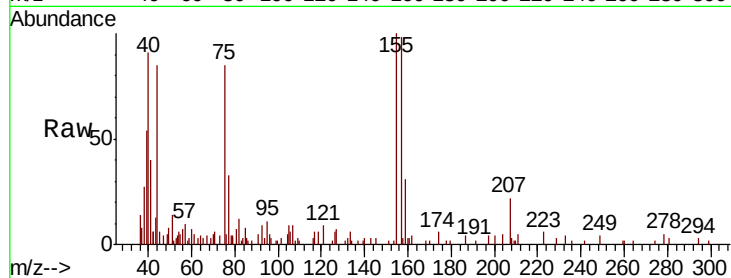
Tot Ion: 75 Resp: 7562

Ion Ratio Lower Upper

75 100

155 117.4 58.1 174.3

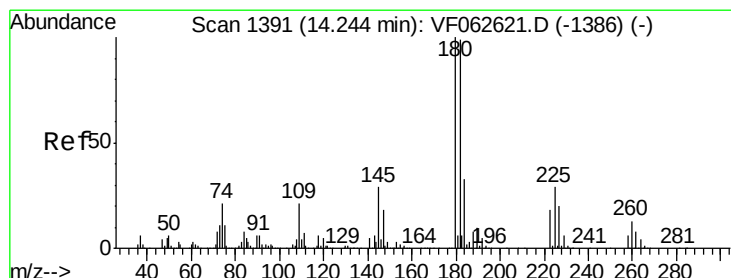
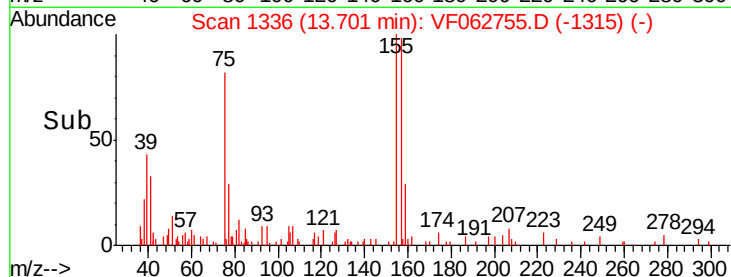
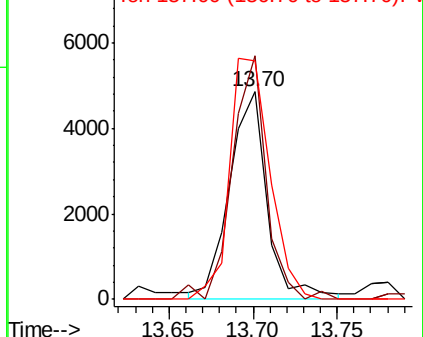
157 115.1 77.8 233.4



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: 19.678 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

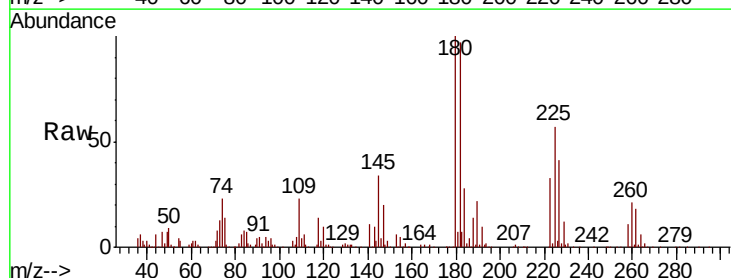
Tgt Ion:180 Resp: 118035

Ion Ratio Lower Upper

180 100

182 96.5 49.7 149.1

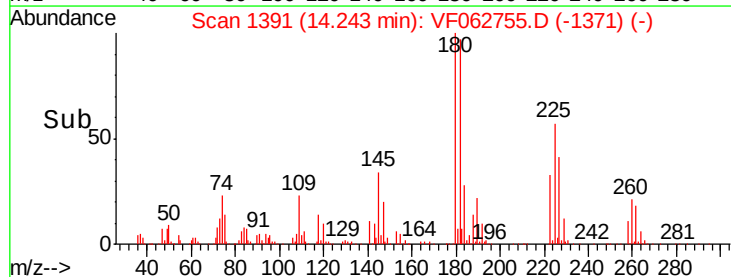
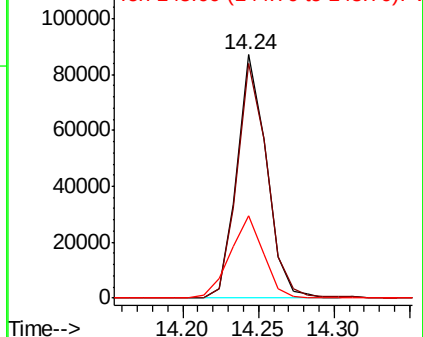
145 33.6 14.6 44.0

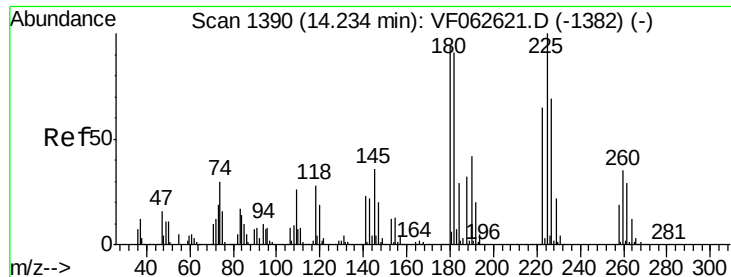


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

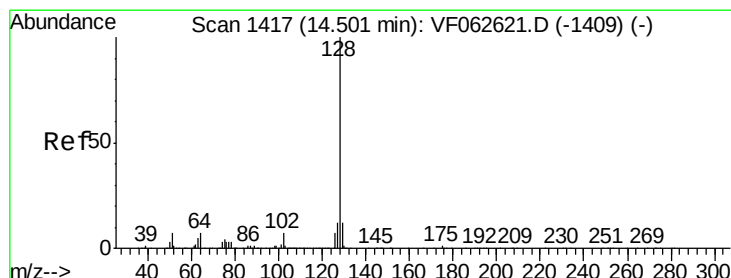
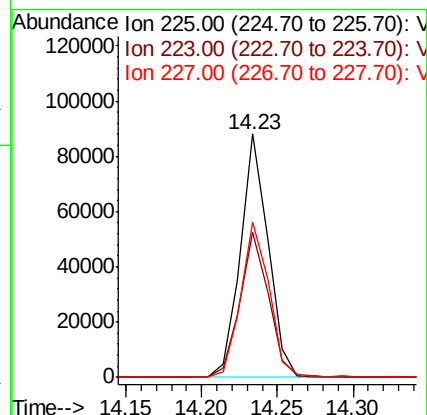
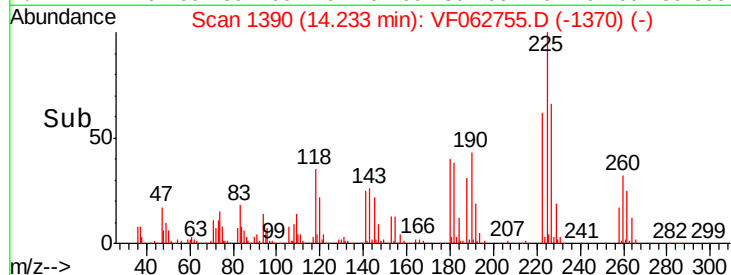
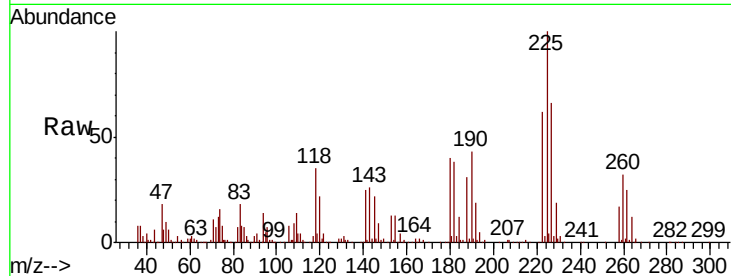




#94
Hexachlorobutadiene
Concen: 26.640 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

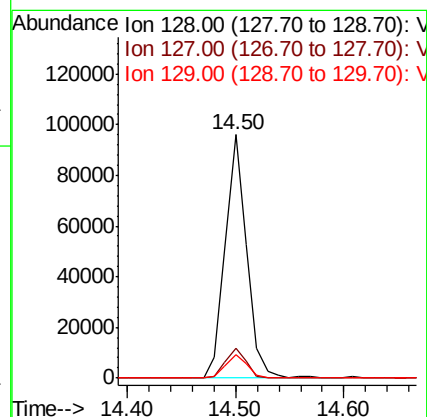
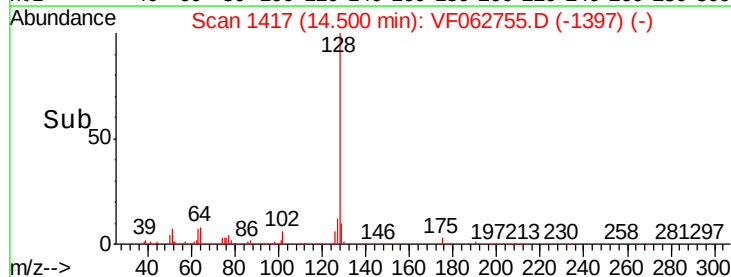
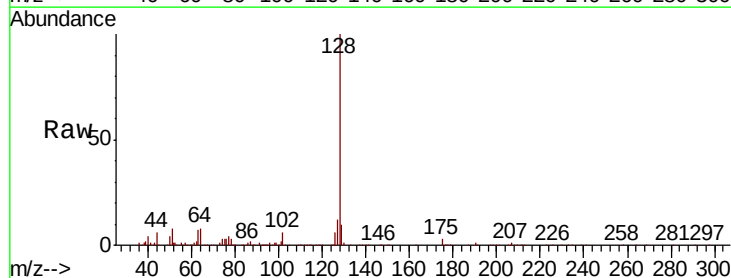
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

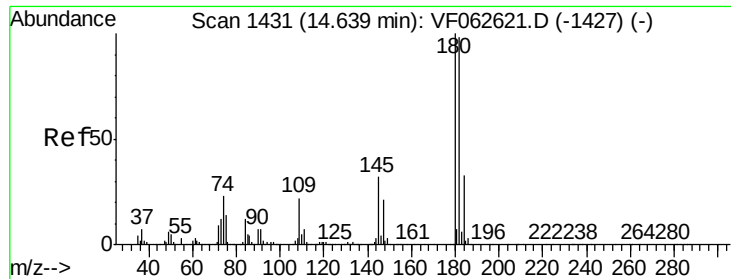
Tot Ion:225 Resp: 111517
Ion Ratio Lower Upper
225 100
223 59.7 32.5 97.4
227 63.6 34.5 103.5



#95
Naphthalene
Concen: 12.246 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion:128 Resp: 133448
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 9.7 9.3 13.9

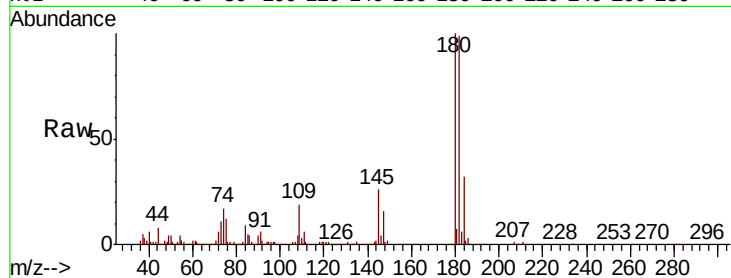




#96
 1,2,3-Trichlorobenzene
 Concen: 16.815 ug/l
 RT: 14.65 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.9	146.7
145	25.7	16.1	48.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

