

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062743.D
 Acq On : 24 May 2019 13:18
 Operator : FY/SY
 Sample : VF0524SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

Quant Time: May 24 23:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	749004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1263298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	911630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	447596	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	238220	45.01	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	4.32	113	432792	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
50) Toluene-d8	7.72	98	995297	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
62) 4-Bromofluorobenzene	11.50	95	371862	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	180326	17.691	ug/l	89
3) Chloromethane	1.14	50	160215	17.071	ug/l	94
4) Vinyl Chloride	1.20	62	154247	17.854	ug/l	100
5) Bromomethane	1.38	94	88809	18.791	ug/l	95
6) Chloroethane	1.44	64	59045	18.609	ug/l	92
7) Trichlorofluoromethane	1.56	101	233415	20.122	ug/l	95
8) Diethyl Ether	1.72	74	45304	19.714	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.92	101	149048	20.179	ug/l	98
10) Methyl Iodide	1.99	142	286417	19.740	ug/l	94
11) Tert butyl alcohol	2.72	59	28613	81.883	ug/l	95
12) 1,1-Dichloroethene	1.88	96	136794	20.331	ug/l	90
13) Acrolein	2.11	56	24192	66.323	ug/l #	74
14) Allyl chloride	2.20	41	133495	21.922	ug/l	97
15) Acrylonitrile	3.10	53	74806	75.891	ug/l	94
16) Acetone	2.36	43	122234	89.018	ug/l	96
17) Carbon Disulfide	1.91	76	378925	19.000	ug/l #	94
18) Methyl Acetate	2.47	43	37732	17.486	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	244726	20.346	ug/l	100
20) Methylene Chloride	2.30	84	69029	10.029	ug/l	93
21) trans-1,2-Dichloroethene	2.43	96	133111	20.240	ug/l	95
22) Diisopropyl ether	2.95	45	286075	19.047	ug/l	96
23) Vinyl Acetate	3.36	43	945903	93.360	ug/l	98
24) 1,1-Dichloroethane	3.02	63	225293	20.447	ug/l	99
25) 2-Butanone	4.54	43	310608	105.876	ug/l	96
26) 2,2-Dichloropropane	3.79	77	154085	24.441	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	226909	20.975	ug/l	95
28) Bromochloromethane	3.92	49	109712	17.754	ug/l	91
29) Tetrahydrofuran	4.28	42	105597	88.949	ug/l	95
30) Chloroform	4.07	83	314873	20.583	ug/l	98
31) Cyclohexane	3.89	56	292560	19.775	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	217860	21.444	ug/l	100
36) 1,1-Dichloropropene	4.49	75	253686	19.597	ug/l	93
37) Ethyl Acetate	4.32	43	83664	15.829	ug/l	92
38) Carbon Tetrachloride	4.20	117	195806	20.112	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	327684	21.038	ug/l	96
40) Benzene	4.83	78	745301	21.134	ug/l	100
41) Methacrylonitrile	4.95	41	49827	17.982	ug/l	93
42) 1,2-Dichloroethane	5.14	62	142001	20.192	ug/l	92
43) Isopropyl Acetate	7.13	43	112311	16.402	ug/l #	93
44) Trichloroethene	5.70	130	213827	21.574	ug/l	89
45) 1,2-Dichloropropane	6.42	63	182940	20.550	ug/l	97
46) Dibromomethane	6.27	93	106166	20.635	ug/l	96
47) Bromodichloromethane	6.57	83	212841	19.928	ug/l #	97
48) Methyl methacrylate	6.90	41	58622	16.379	ug/l	97
49) 1,4-Dioxane	6.89	88	13611	296.922	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	404216	86.362	ug/l	97
52) Toluene	7.79	92	373031	20.169	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	164167	18.787	ug/l	90
54) cis-1,3-Dichloropropene	7.48	75	241876	19.774	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	109598	20.014	ug/l	95
56) Ethyl methacrylate	8.77	69	117603	18.026	ug/l	95
57) 1,3-Dichloropropane	9.00	76	183898	19.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	168424	79.311	ug/l	94
59) 2-Hexanone	9.64	43	299690	86.776	ug/l	99
60) Dibromochloromethane	8.87	129	137302	19.238	ug/l	96
61) 1,2-Dibromoethane	9.14	107	113443	19.504	ug/l	94
64) Tetrachloroethene	8.31	164	150903	20.894	ug/l	97
65) Chlorobenzene	9.94	112	391352	21.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	155209	21.593	ug/l	98
67) Ethyl Benzene	10.04	91	701554	22.554	ug/l	96
68) m/p-Xylenes	10.27	106	505116	43.206	ug/l	85
69) o-Xylene	10.83	106	263757	21.904	ug/l	93
70) Styrene	10.90	104	393028	21.474	ug/l	99
71) Bromoform	10.89	173	73666	20.463	ug/l #	91
73) Isopropylbenzene	11.22	105	713298	22.235	ug/l	94
74) N-amyl acetate	11.46	43	186365	19.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	134836	20.567	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	83926	19.483	ug/l	86
77) Bromobenzene	11.59	156	166575	20.890	ug/l	98
78) n-propylbenzene	11.68	91	856246	22.553	ug/l	91
79) 2-Chlorotoluene	11.80	91	463652	21.670	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	581736	22.615	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	48525	25.342	ug/l	96
82) 4-Chlorotoluene	11.98	91	467929	22.177	ug/l	99
83) tert-Butylbenzene	12.20	119	577279	22.120	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	545635	21.916	ug/l	98
85) sec-Butylbenzene	12.38	105	790018	22.557	ug/l	95
86) p-Isopropyltoluene	12.52	119	640303	21.693	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	316215	21.919	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	284197	20.992	ug/l	98
89) n-Butylbenzene	12.90	91	662007	22.748	ug/l	88
90) Hexachloroethane	12.98	117	155269	21.929	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	276281	21.484	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15804	20.207	ug/l	59

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Instrument :
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ClientSampleId :
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Quant Time: May 24 23:03:05 2019
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

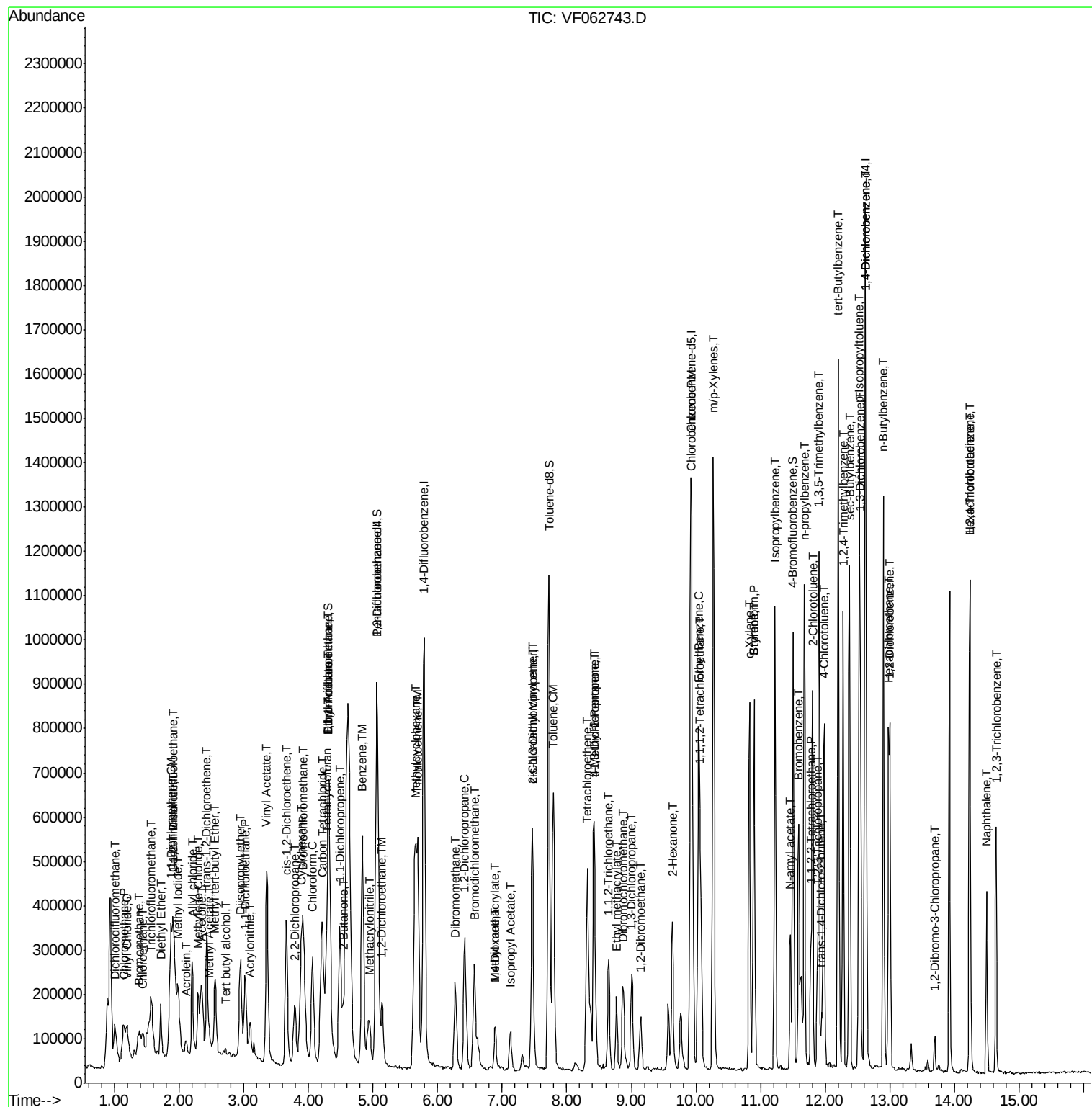
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	182194	19.793	ug/l	95
94) Hexachlorobutadiene	14.23	225	129159	20.106	ug/l	97
95) Naphthalene	14.50	128	287908	17.216	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	165045	18.929	ug/l	98

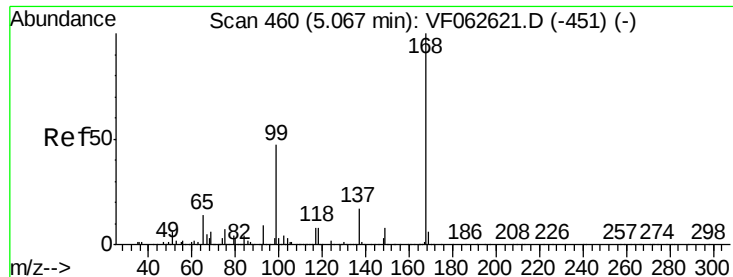
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

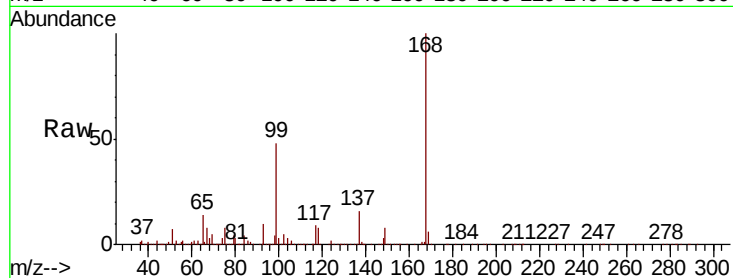
VF0524SBS01

Tot Ion:168 Resp: 749004

Ion Ratio Lower Upper

168 100

99 47.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

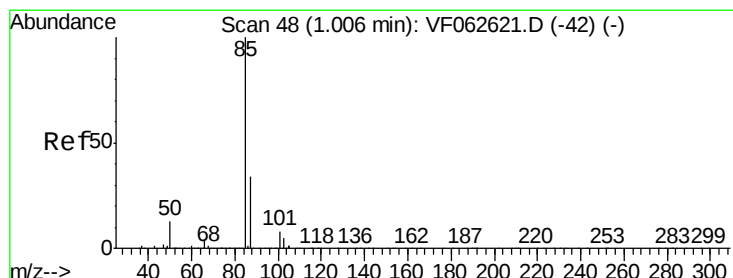
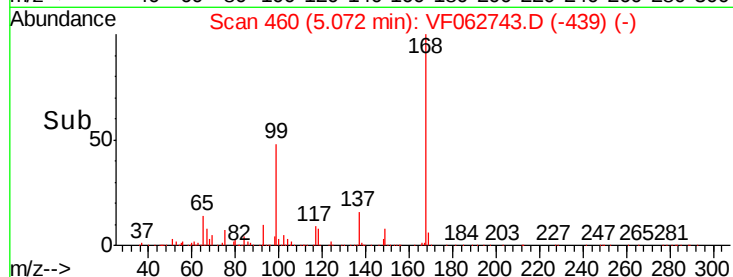
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.691 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062743.D

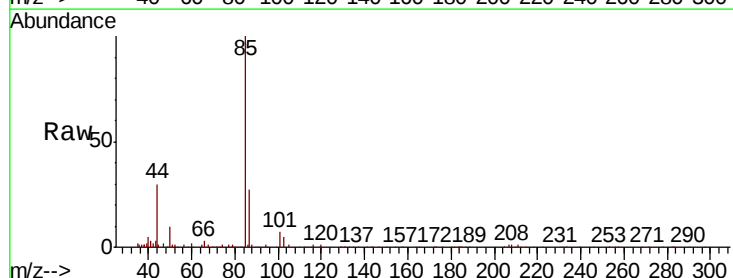
Acq: 24 May 2019 13:18

Tgt Ion: 85 Resp: 180326

Ion Ratio Lower Upper

85 100

87 27.0 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

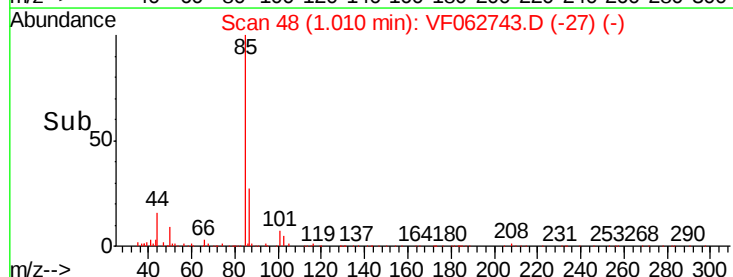
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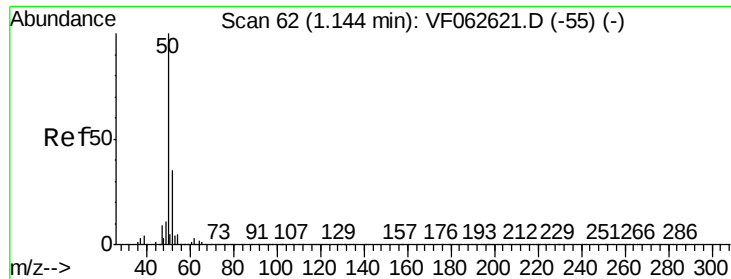
20000

10000

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Time-->

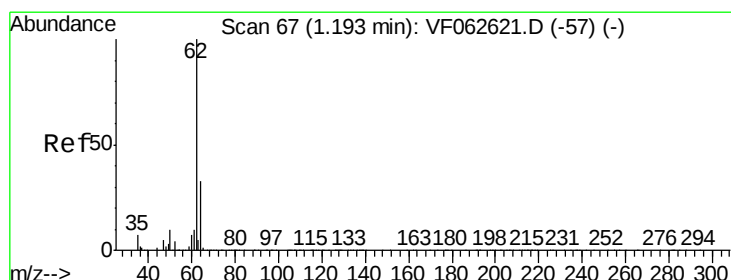
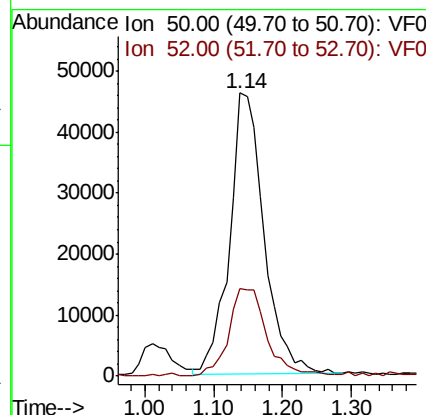
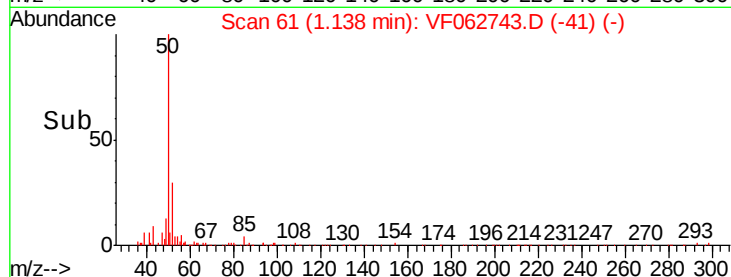
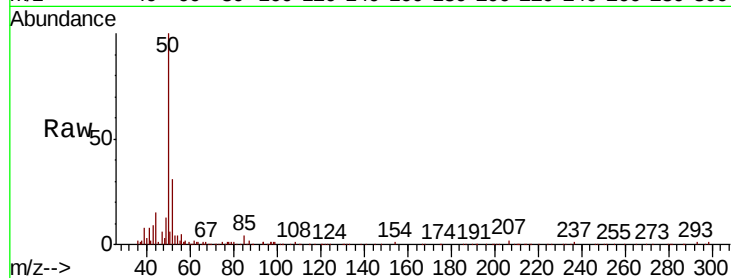




#3
Chloromethane
Concen: 17.071 ug/l
RT: 1.14 min Scan# 61
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

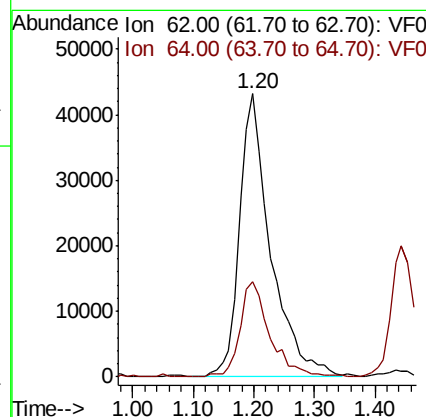
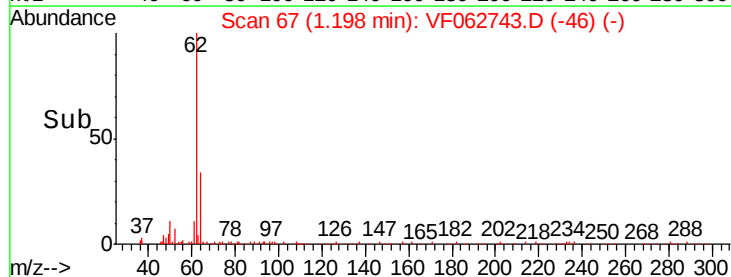
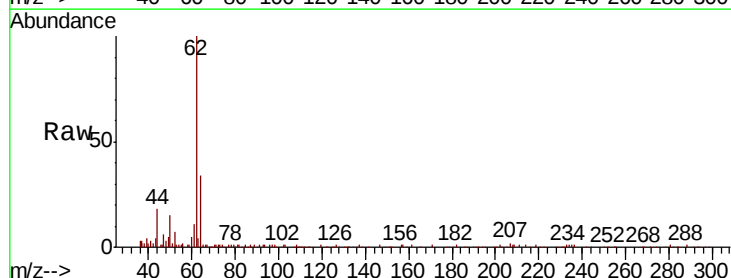
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

Tot Ion: 50 Resp: 160215
Ion Ratio Lower Upper
50 100
52 30.9 27.5 41.3



#4
Vinyl Chloride
Concen: 17.854 ug/l
RT: 1.20 min Scan# 67
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 62 Resp: 154247
Ion Ratio Lower Upper
62 100
64 33.6 26.7 40.1





#5

Bromomethane

Concen: 18.791 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

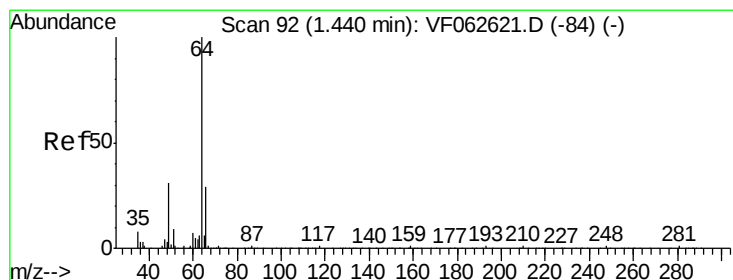
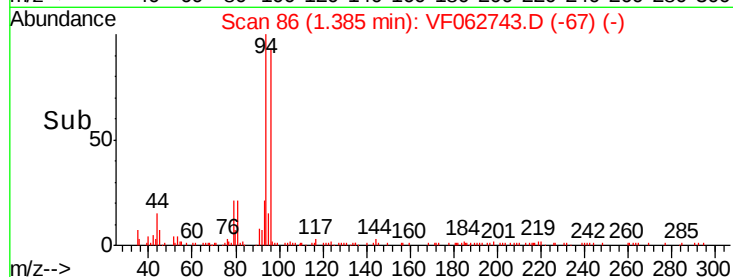
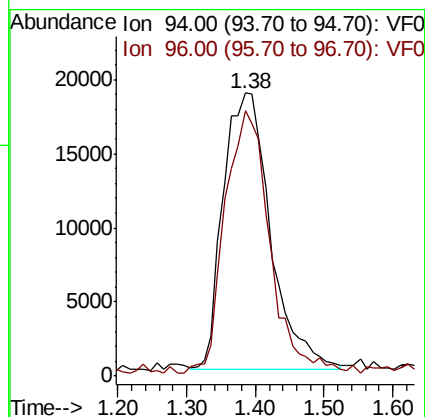
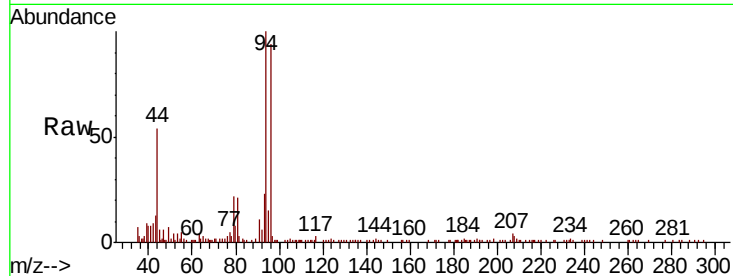
VF0524SBS01

Tot Ion: 94 Resp: 88809

Ion Ratio Lower Upper

94 100

96 96.7 73.2 109.8



#6

Chloroethane

Concen: 18.609 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062743.D

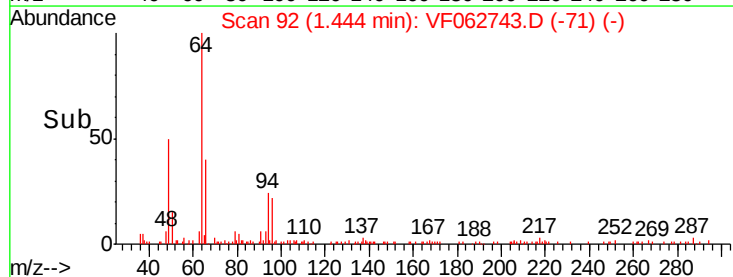
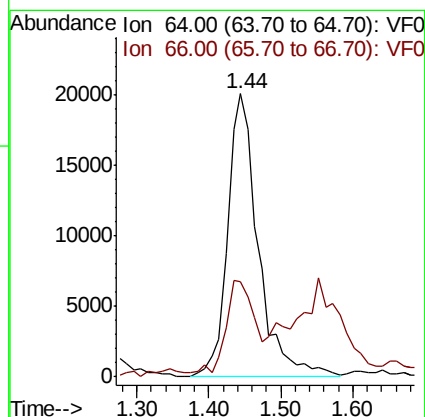
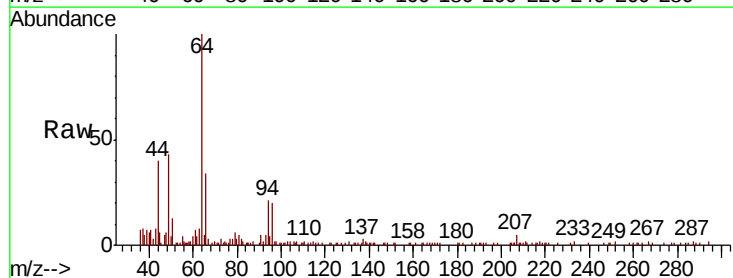
Acq: 24 May 2019 13:18

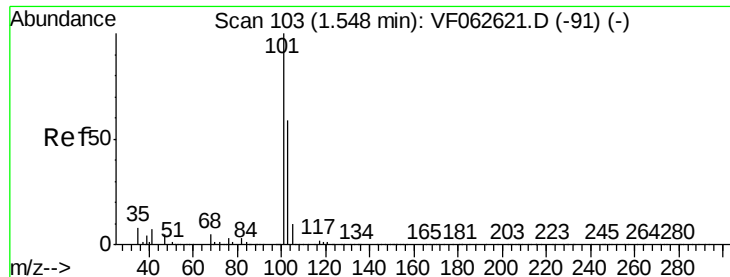
Tgt Ion: 64 Resp: 59045

Ion Ratio Lower Upper

64 100

66 33.6 23.4 35.2



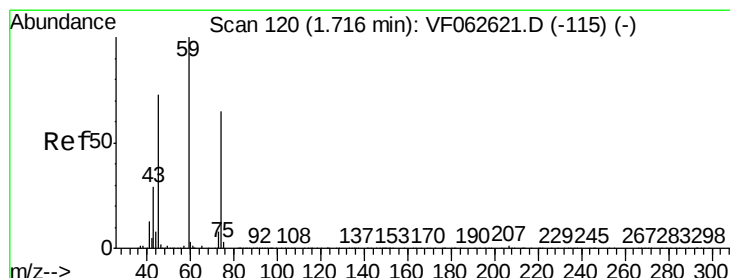
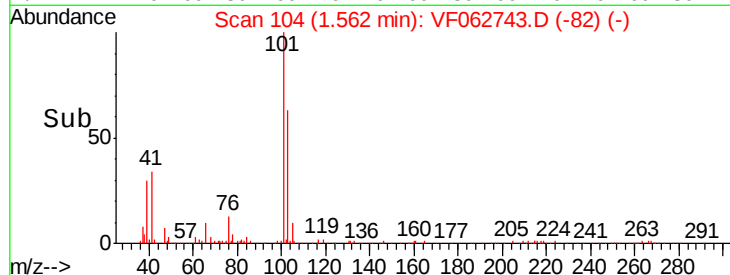
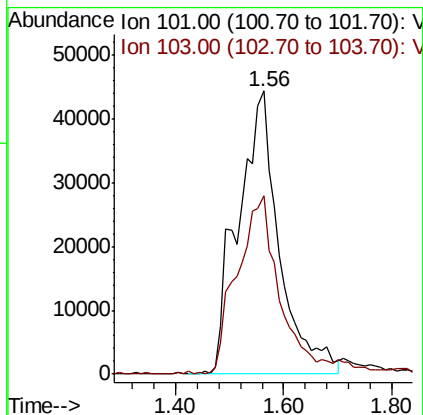
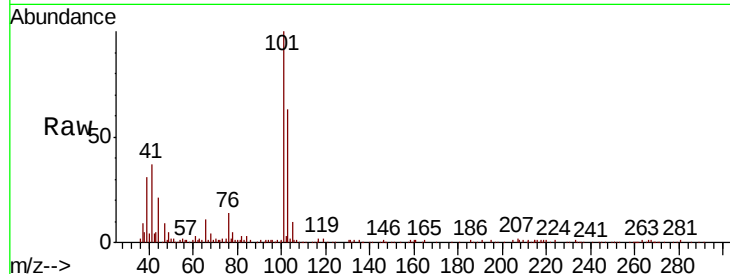


#7

Trichlorofluoromethane
 Concen: 20.122 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

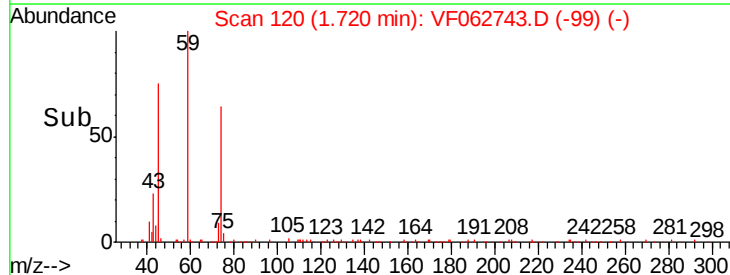
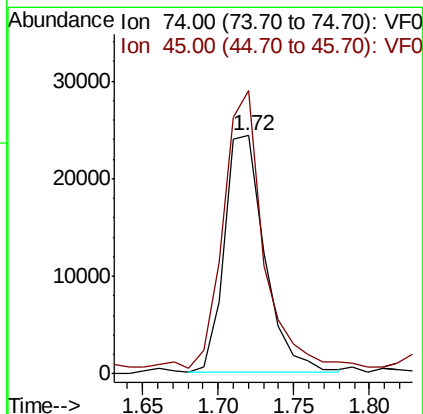
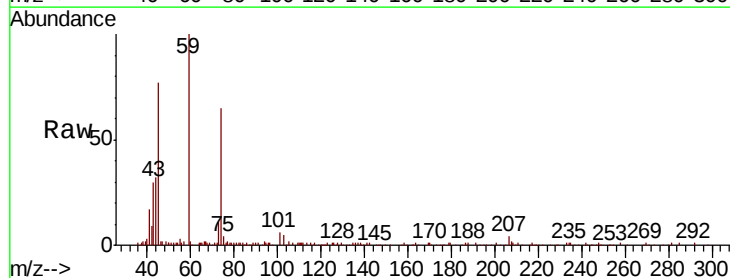
Tot Ion:101 Resp: 233415
 Ion Ratio Lower Upper
 101 100
 103 62.9 47.3 70.9

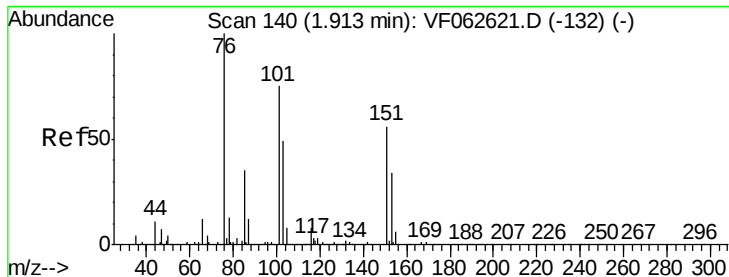


#8

Diethyl Ether
 Concen: 19.714 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion: 74 Resp: 45304
 Ion Ratio Lower Upper
 74 100
 45 118.7 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.179 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

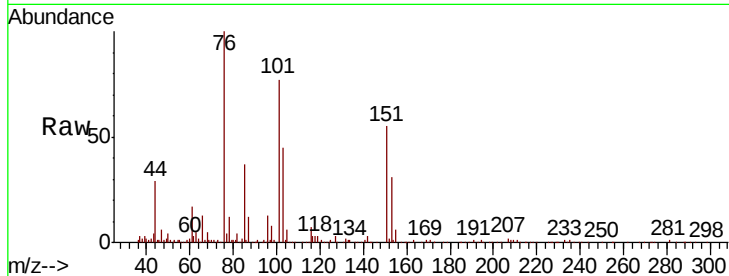
Tot Ion:101 Resp: 149048

Ion Ratio Lower Upper

101 100

85 47.8 37.1 55.7

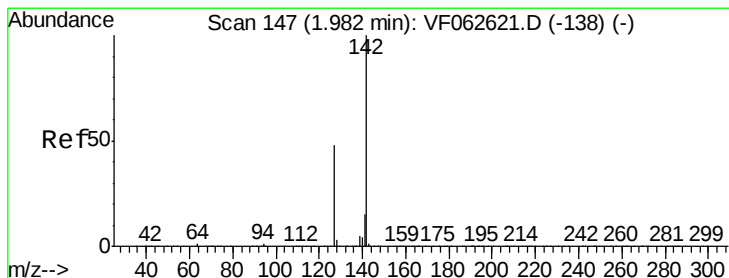
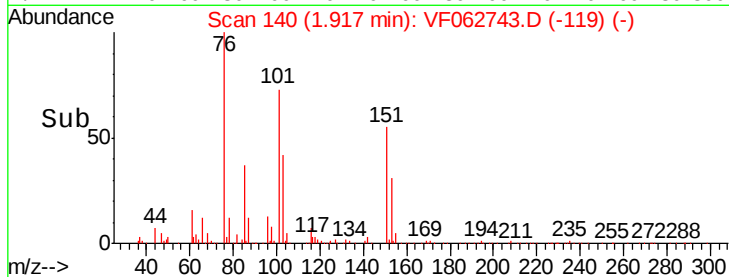
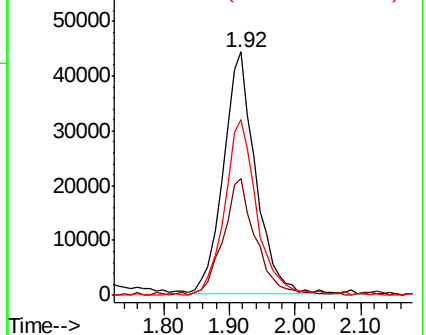
151 71.9 58.8 88.2



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: 19.740 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

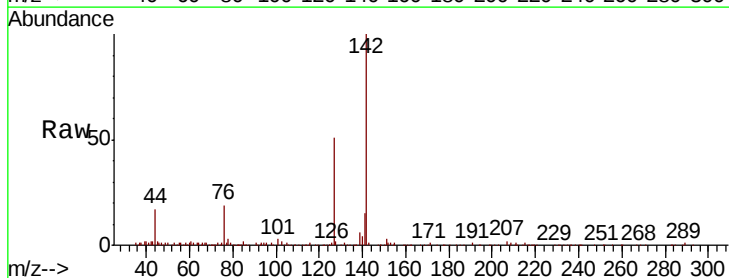
Tgt Ion:142 Resp: 286417

Ion Ratio Lower Upper

142 100

127 53.2 38.1 57.1

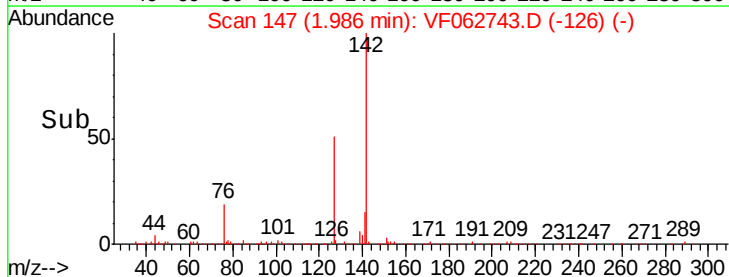
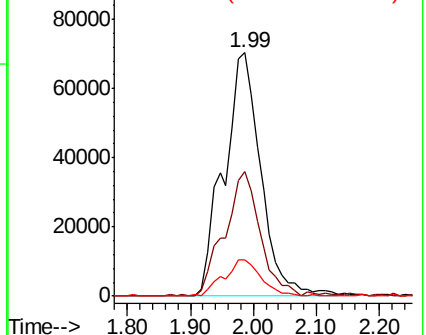
141 14.8 11.7 17.5

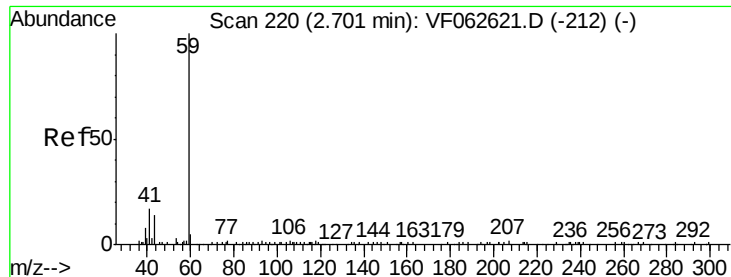


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

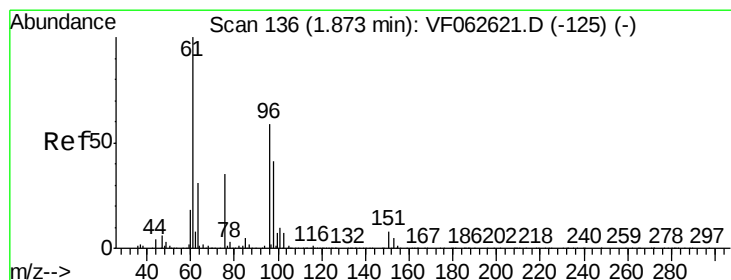
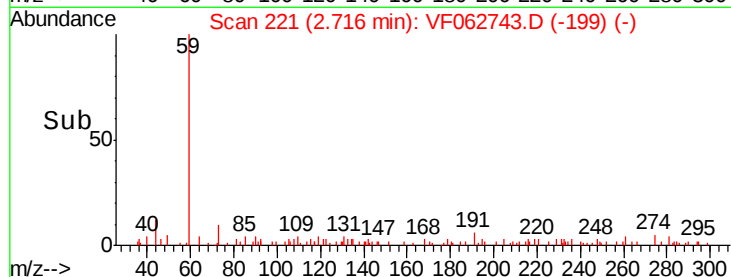
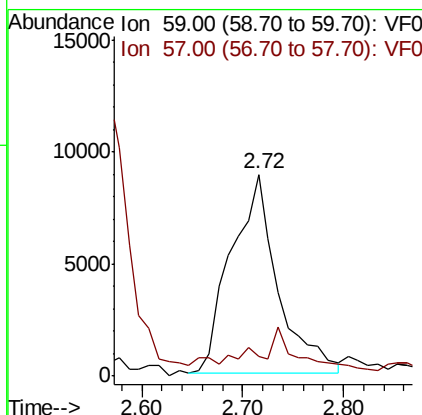
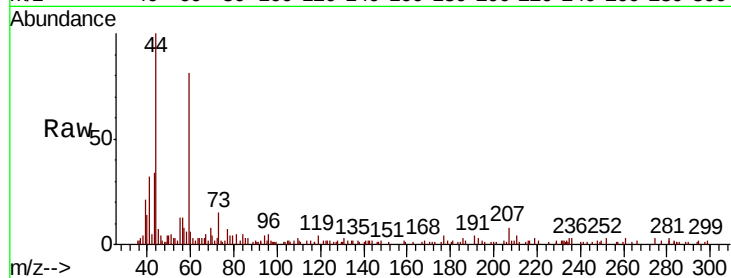




#11
Tert butyl alcohol
Concen: 81.883 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

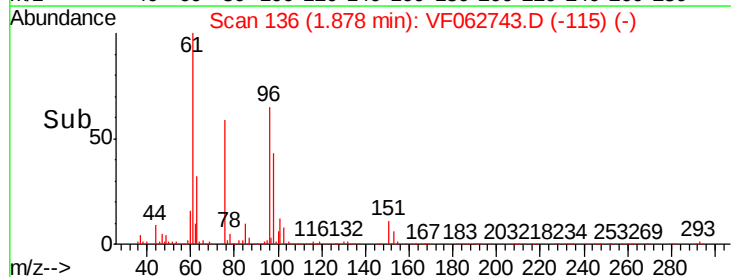
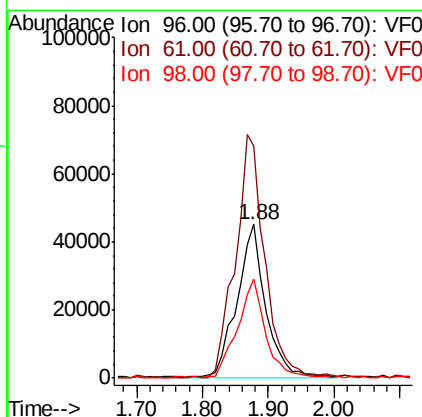
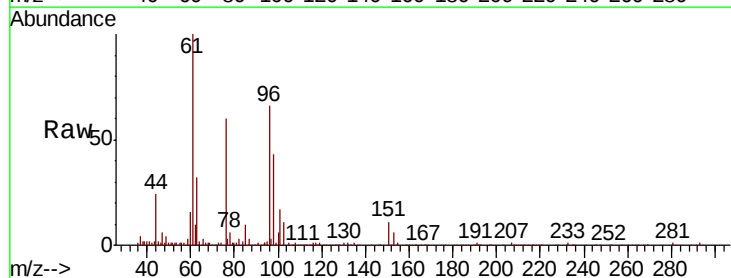
Instrument :
MSVOA_F
ClientSampleID :
VF0524SBS01

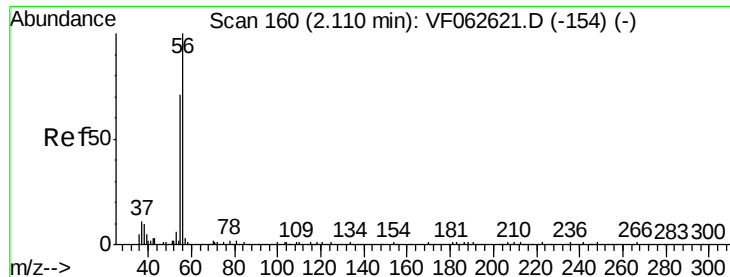
Tot Ion: 59 Resp: 28613
Ion Ratio Lower Upper
59 100
57 9.8 9.3 13.9



#12
1,1-Dichloroethene
Concen: 20.331 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 96 Resp: 136794
Ion Ratio Lower Upper
96 100
61 151.2 134.3 201.5
98 64.7 55.0 82.6





#13

Acrolein

Concen: 66.323 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

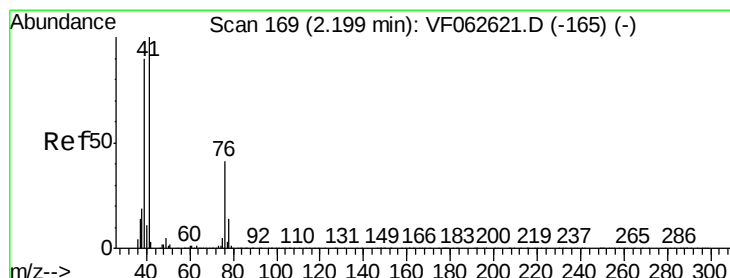
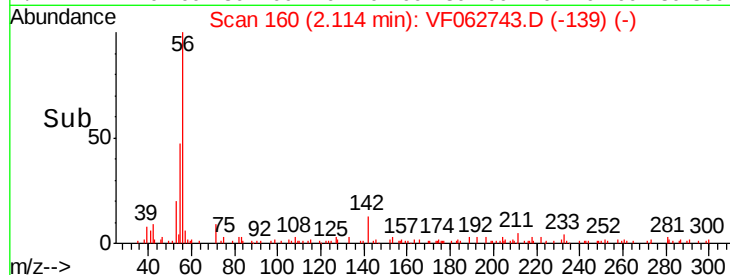
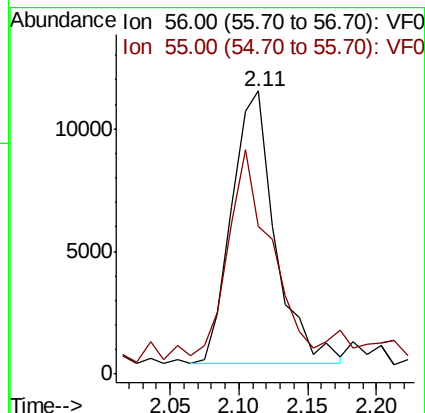
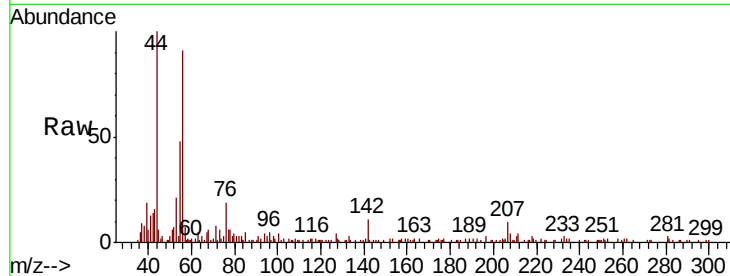
VF0524SBS01

Tot Ion: 56 Resp: 24192

Ion Ratio Lower Upper

56 100

55 52.2 59.4 89.0#



#14

Allyl chloride

Concen: 21.922 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

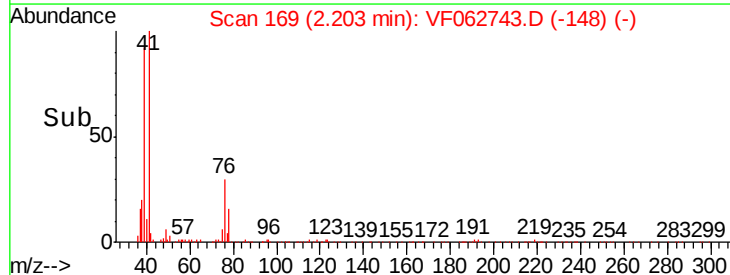
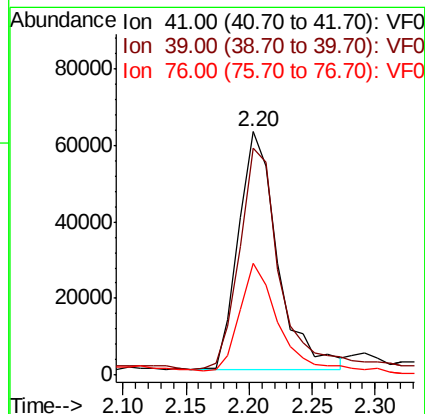
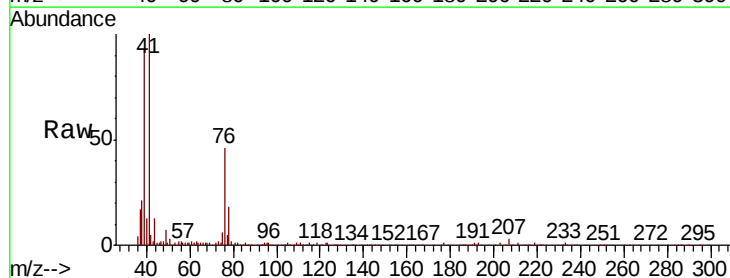
Tgt Ion: 41 Resp: 133495

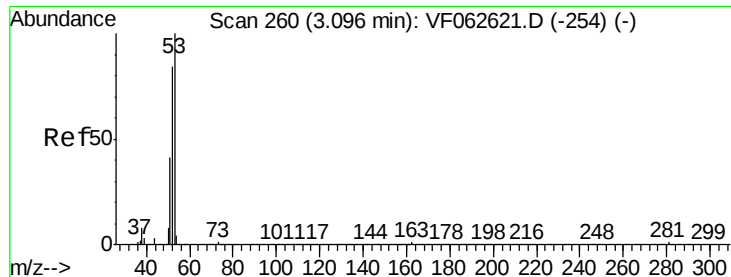
Ion Ratio Lower Upper

41 100

39 93.0 72.0 108.0

76 46.2 34.8 52.2





#15

Acrylonitrile

Concen: 75.891 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

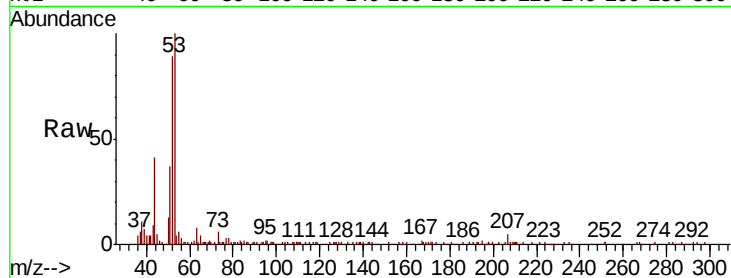
Tot Ion: 53 Resp: 74806

Ion Ratio Lower Upper

53 100

52 88.8 67.3 100.9

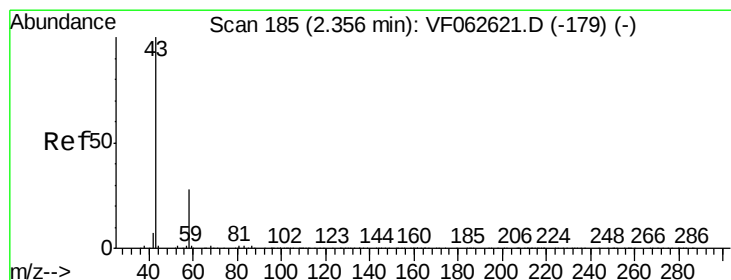
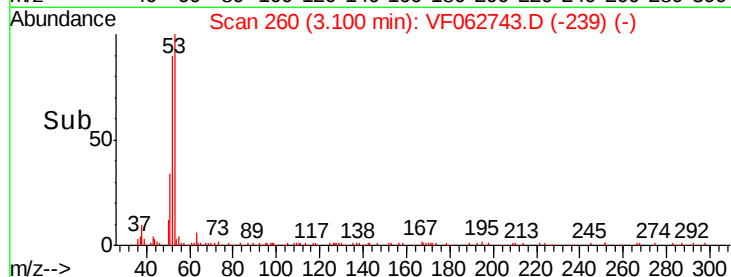
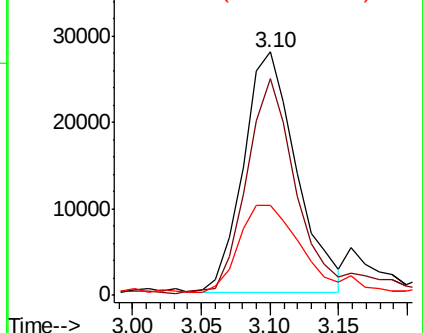
51 37.0 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 89.018 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062743.D

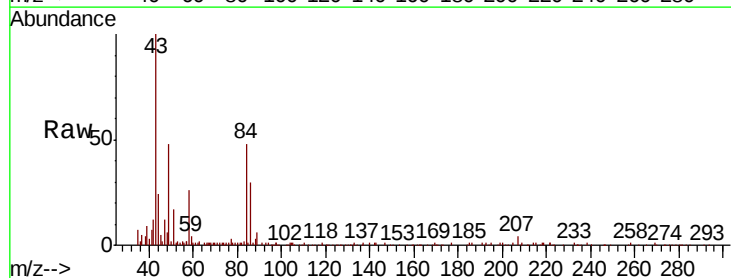
Acq: 24 May 2019 13:18

Tgt Ion: 43 Resp: 122234

Ion Ratio Lower Upper

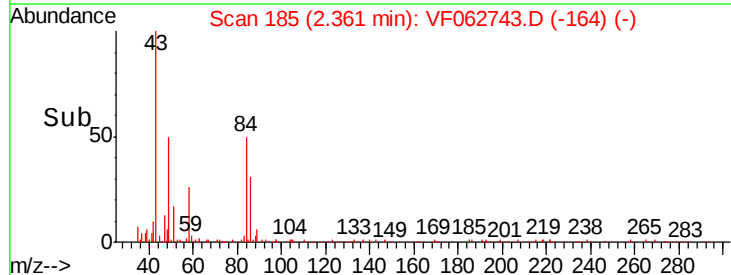
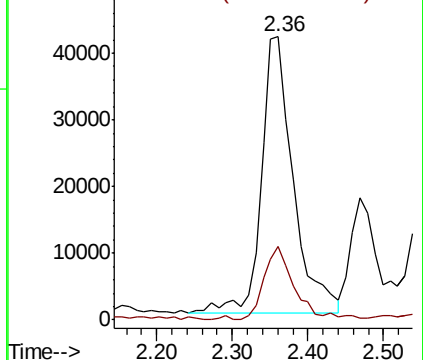
43 100

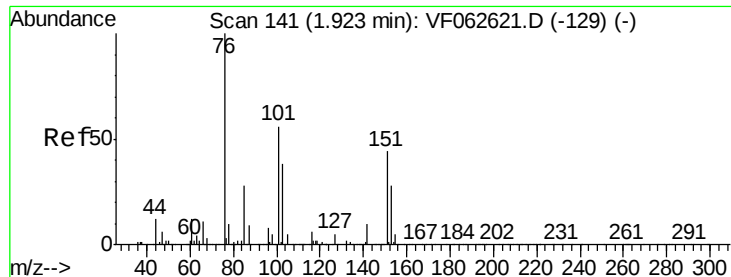
58 26.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 19.000 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

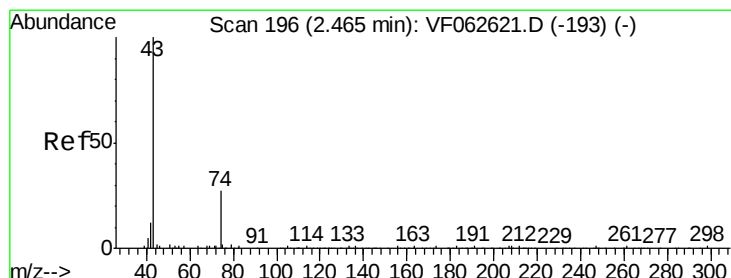
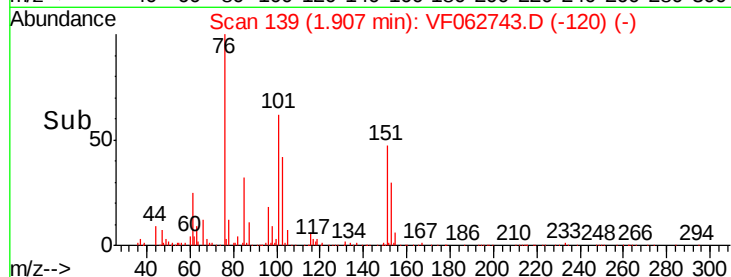
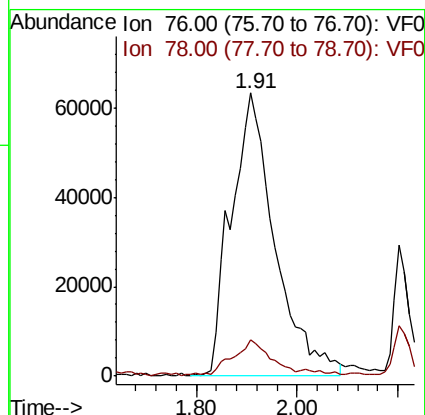
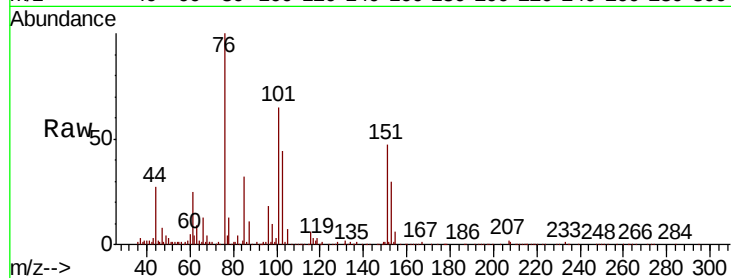
VF0524SBS01

Tot Ion: 76 Resp: 378925

Ion Ratio Lower Upper

76 100

78 12.9 8.4 12.6#



#18

Methyl Acetate

Concen: 17.486 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062743.D

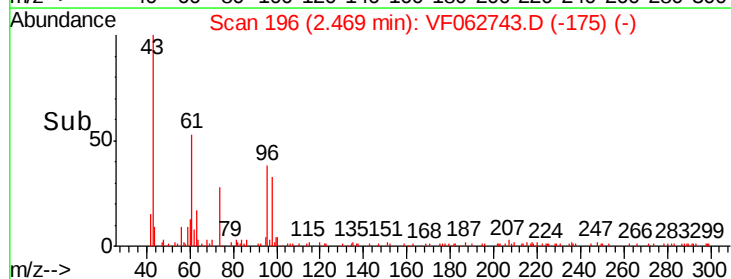
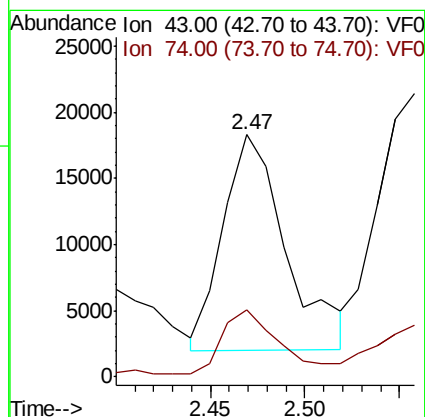
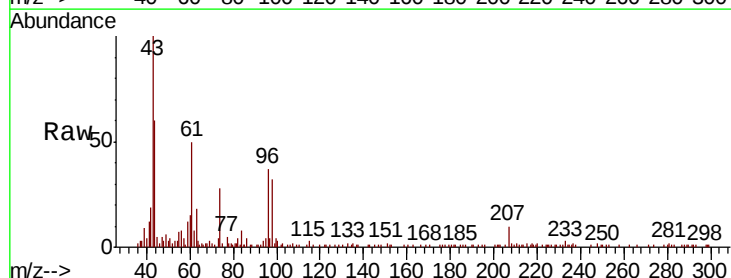
Acq: 24 May 2019 13:18

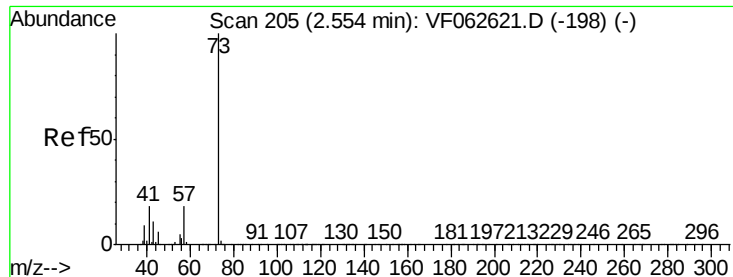
Tgt Ion: 43 Resp: 37732

Ion Ratio Lower Upper

43 100

74 27.9 18.9 28.3

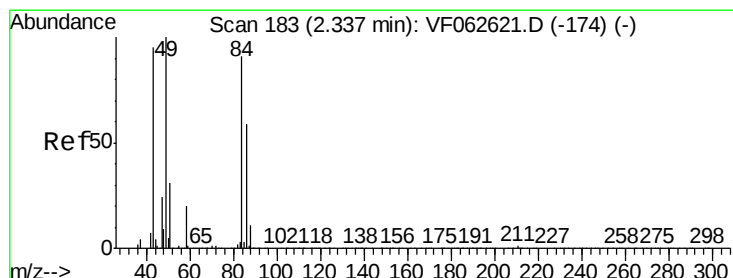
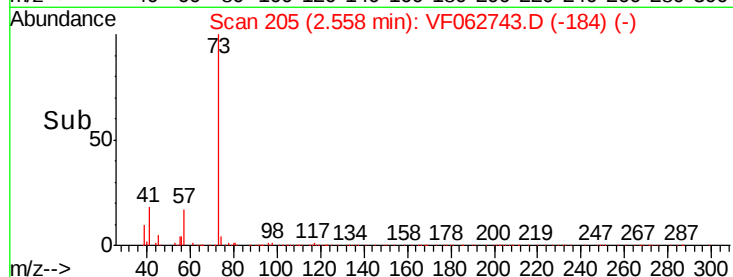
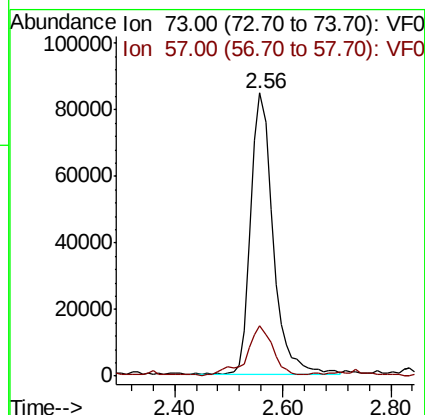
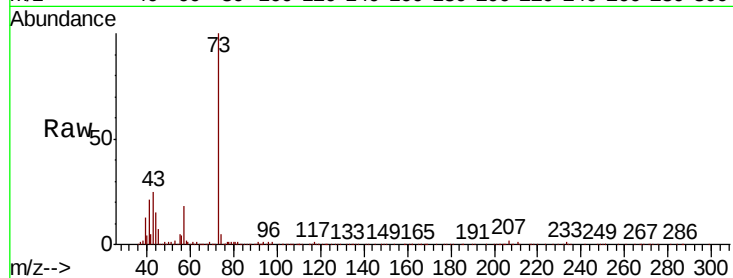




#19
Methyl tert-butyl Ether
Concen: 20.346 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

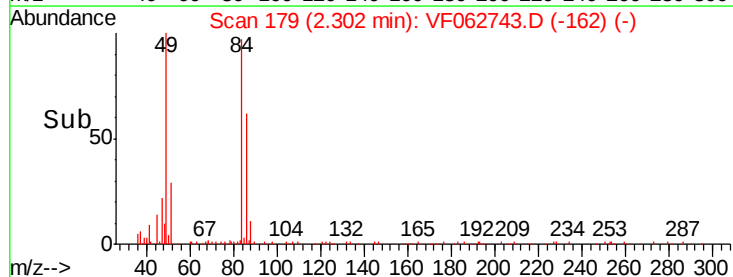
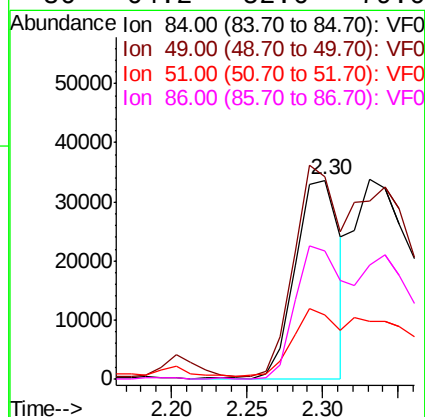
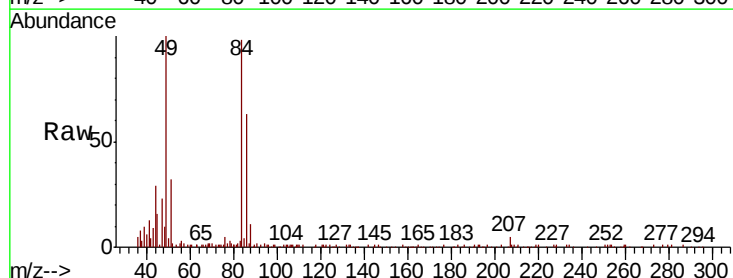
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

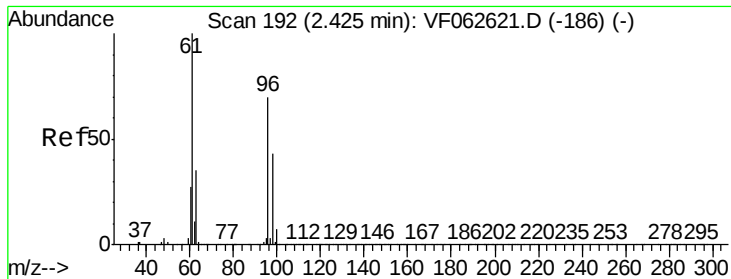
Tot Ion: 73 Resp: 244726
Ion Ratio Lower Upper
73 100
57 18.0 14.2 21.4



#20
Methylene Chloride
Concen: 10.029 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 84 Resp: 69029
Ion Ratio Lower Upper
84 100
49 101.9 89.8 134.8
51 32.3 28.4 42.6
86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.240 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

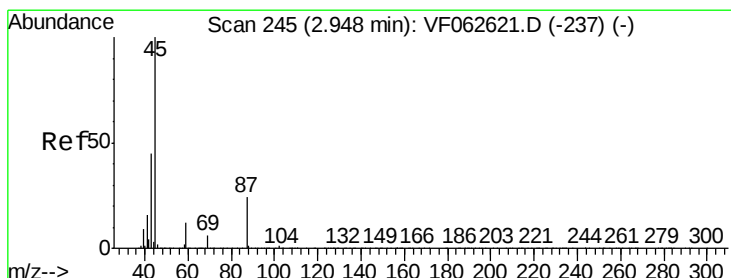
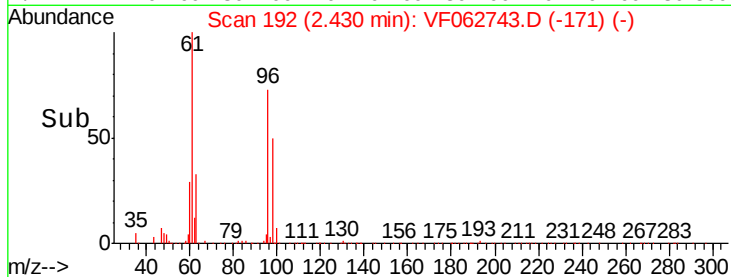
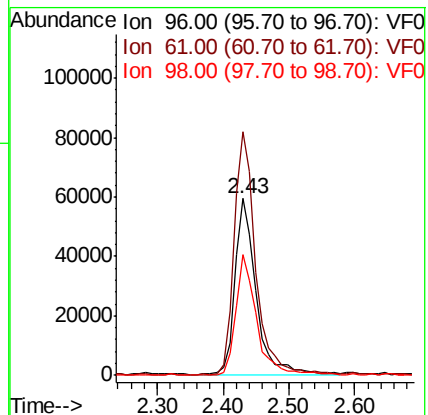
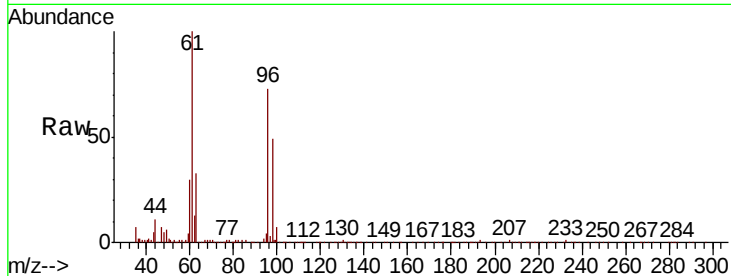
Tot Ion: 96 Resp: 133111

Ion Ratio Lower Upper

96 100

61 137.9 114.6 171.8

98 68.2 49.5 74.3



#22

Diisopropyl ether

Concen: 19.047 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Tgt Ion: 45 Resp: 286075

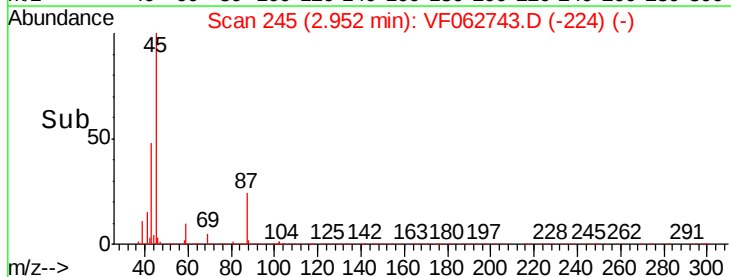
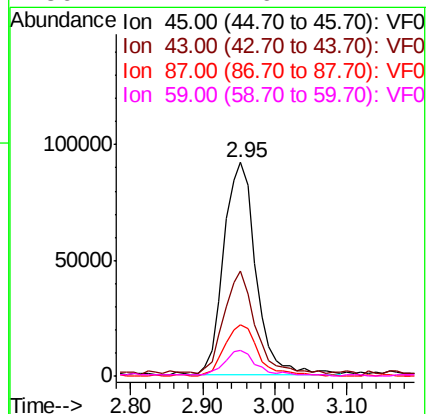
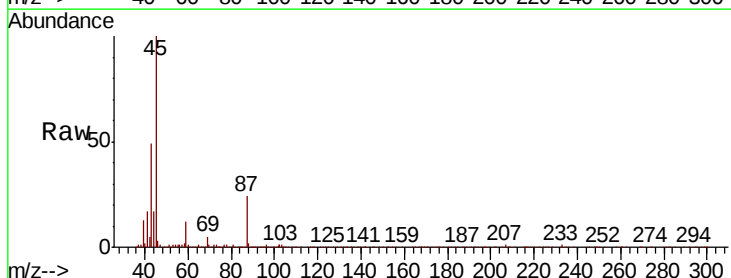
Ion Ratio Lower Upper

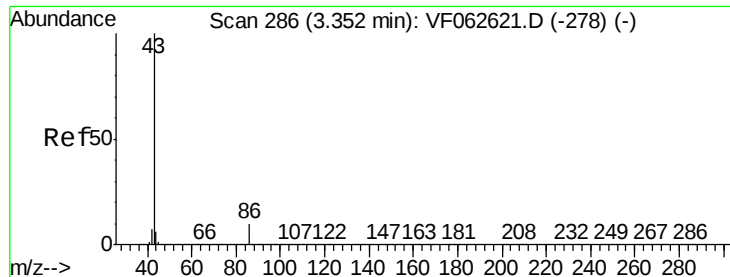
45 100

43 49.3 36.4 54.6

87 23.8 19.3 28.9

59 12.1 9.4 14.2

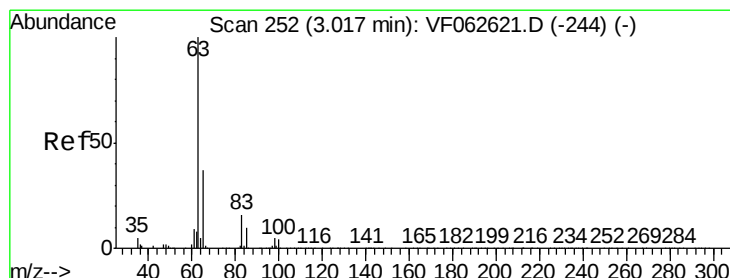
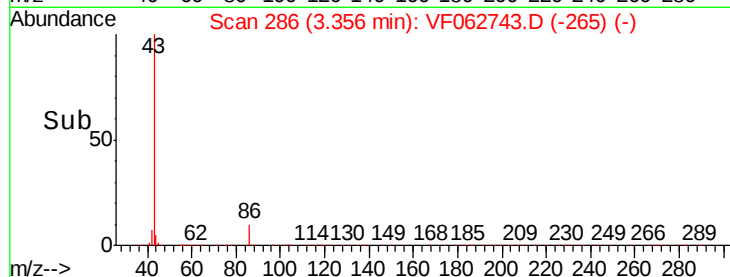
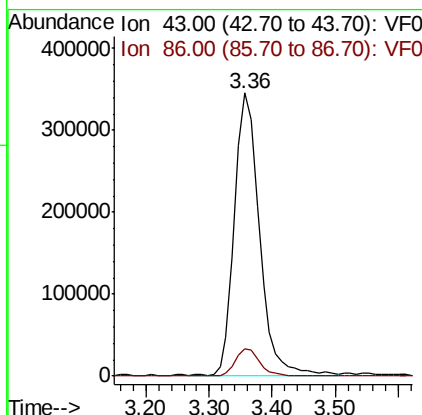
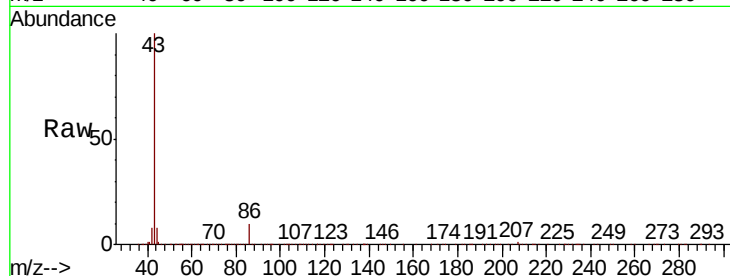




#23
 Vinyl Acetate
 Concen: 93.360 ug/l
 RT: 3.36 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

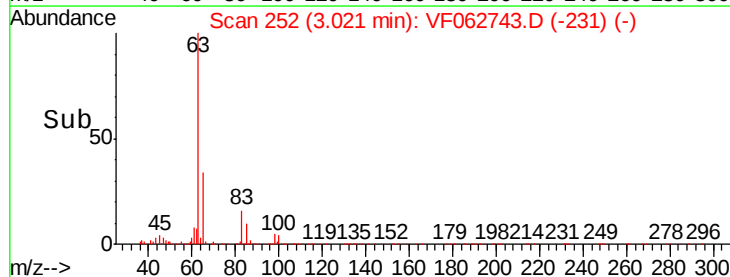
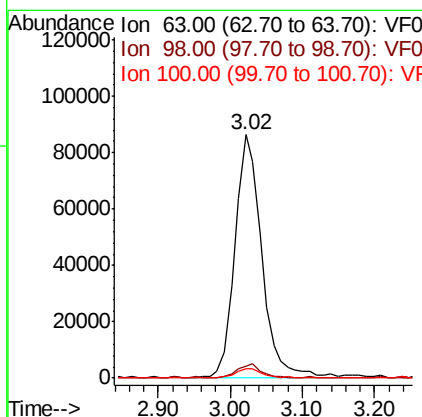
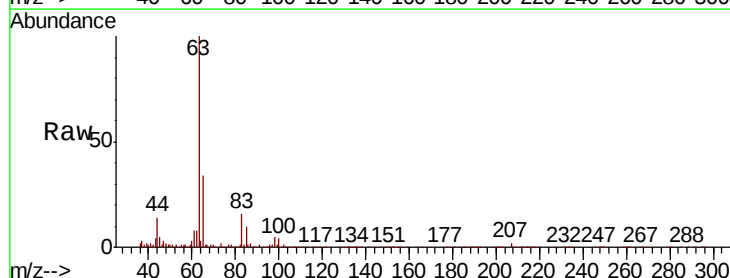
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

Tot Ion: 43 Resp: 945903
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.447 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion: 63 Resp: 225293
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.8 8.3
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 105.876 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

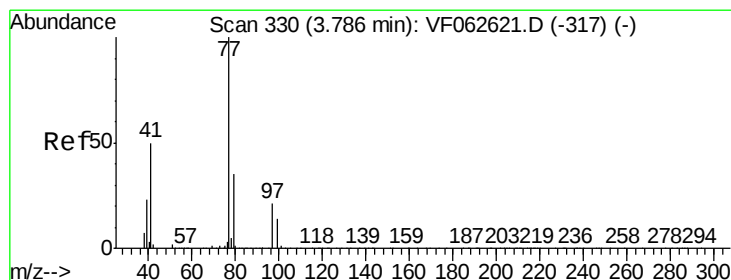
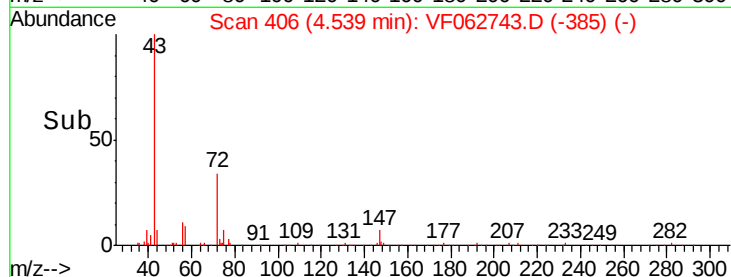
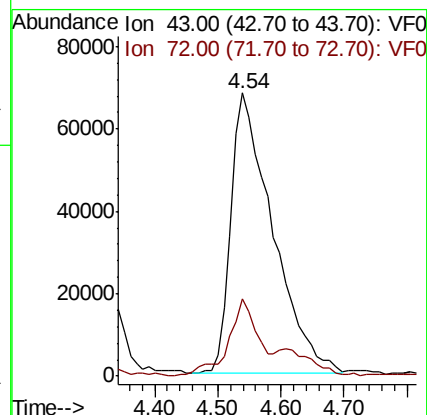
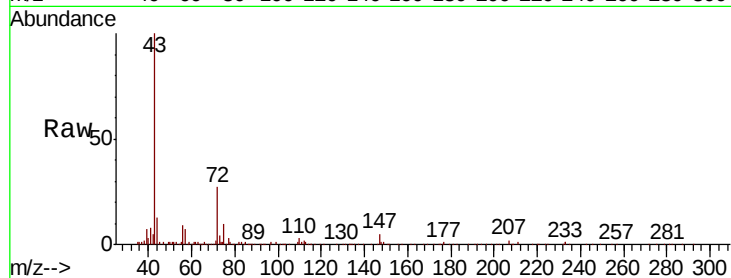
VF0524SBS01

Tot Ion: 43 Resp: 310608

Ion Ratio Lower Upper

43 100

72 27.2 20.1 30.1



#26

2,2-Dichloropropane

Concen: 24.441 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062743.D

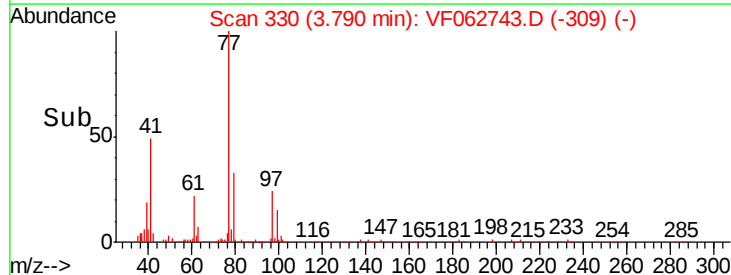
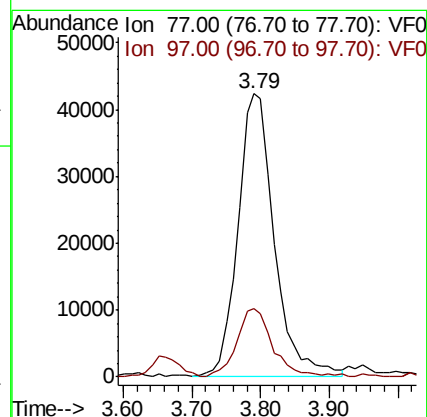
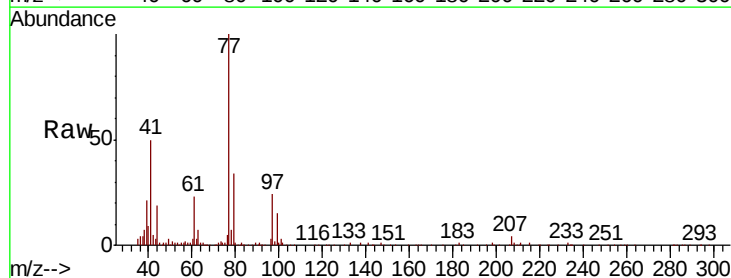
Acq: 24 May 2019 13:18

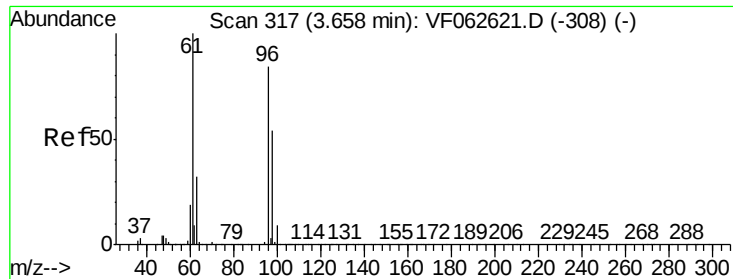
Tgt Ion: 77 Resp: 154085

Ion Ratio Lower Upper

77 100

97 24.3 14.1 42.4



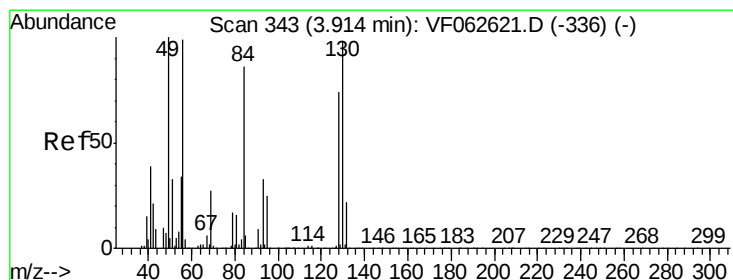
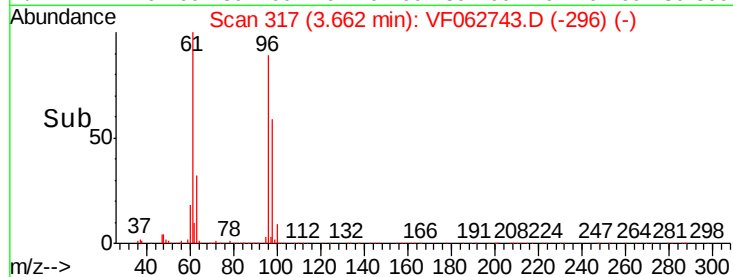
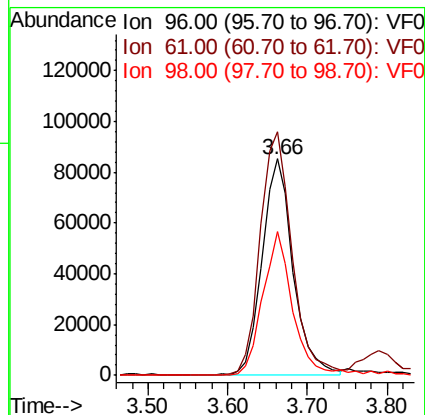
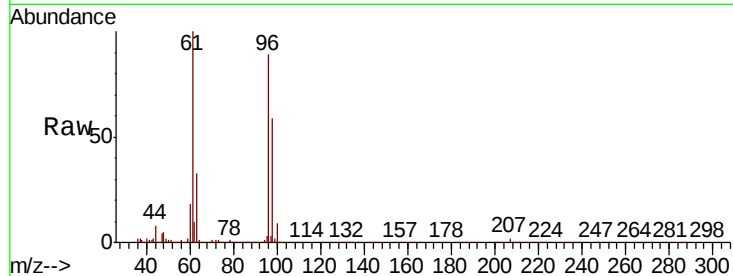


#27

cis-1,2-Dichloroethene
 Concen: 20.975 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

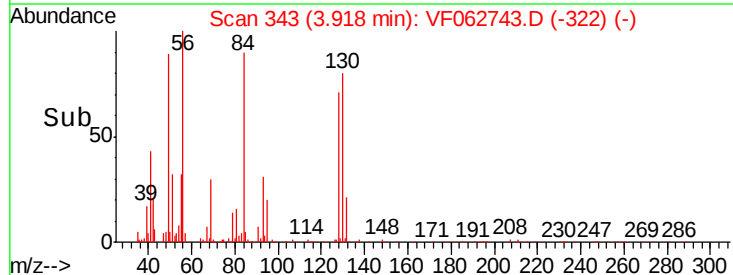
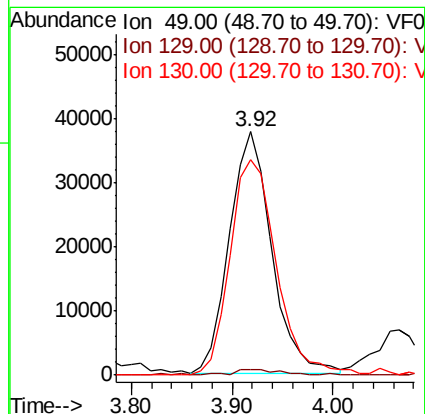
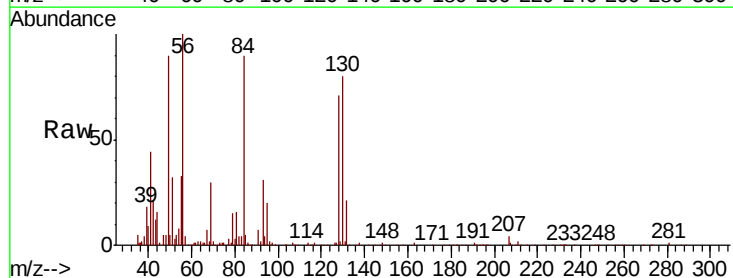
Tot Ion	96	Resp	226909
Ion	Ratio	Lower	Upper
96	100		
61	112.4	0.0	237.4
98	66.5	0.0	129.0

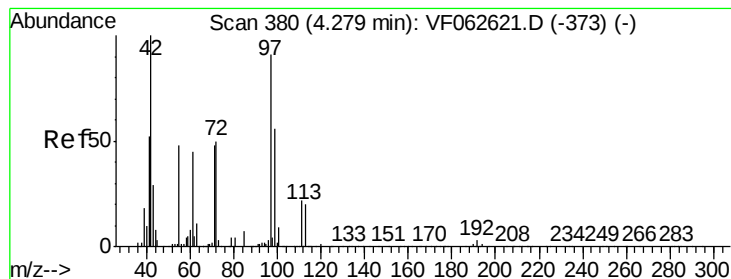


#28

Bromochloromethane
 Concen: 17.754 ug/l
 RT: 3.92 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion	49	Resp	109712
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	88.6	77.8	116.8





#29

Tetrahydrofuran

Concen: 88.949 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

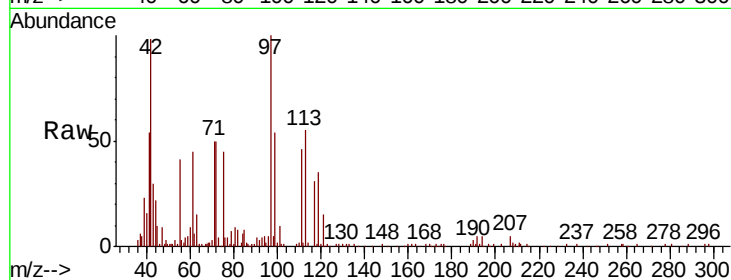
Tot Ion: 42 Resp: 105597

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.2

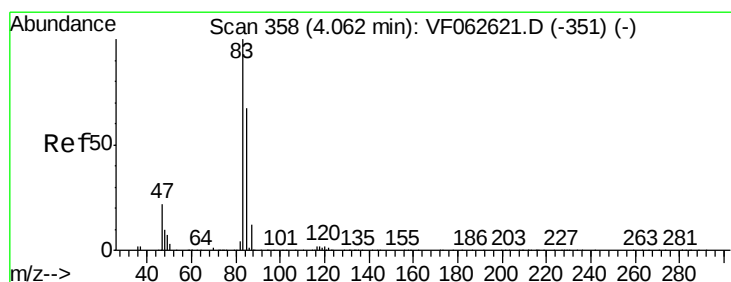
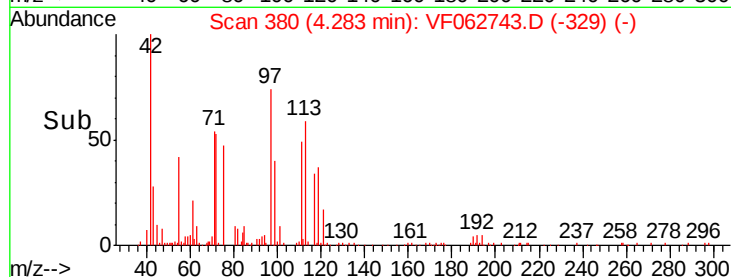
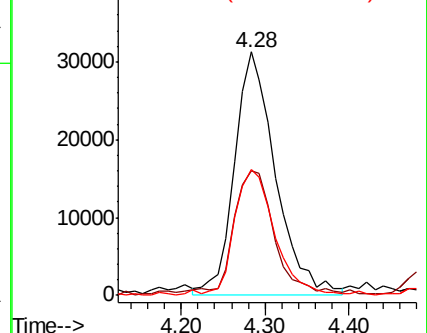
71 50.9 35.8 53.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.583 ug/l

RT: 4.07 min Scan# 358

Delta R.T. 0.00 min

Lab File: VF062743.D

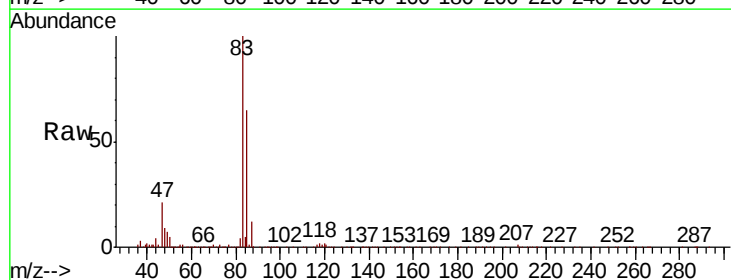
Acq: 24 May 2019 13:18

Tgt Ion: 83 Resp: 314873

Ion Ratio Lower Upper

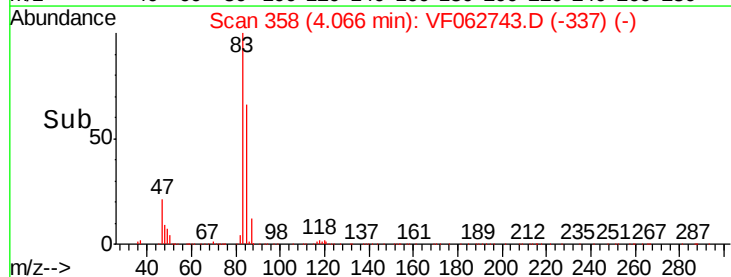
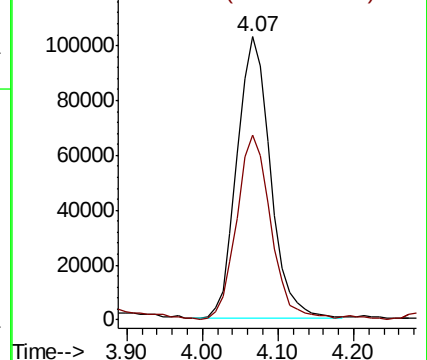
83 100

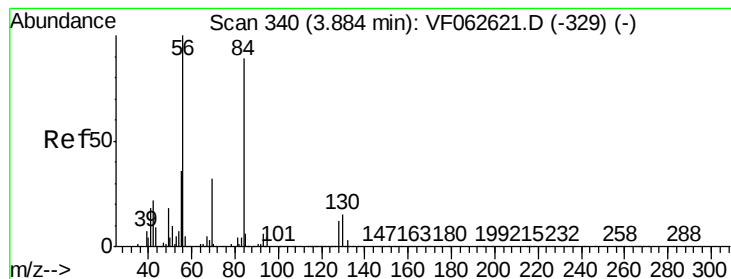
85 65.3 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 19.775 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

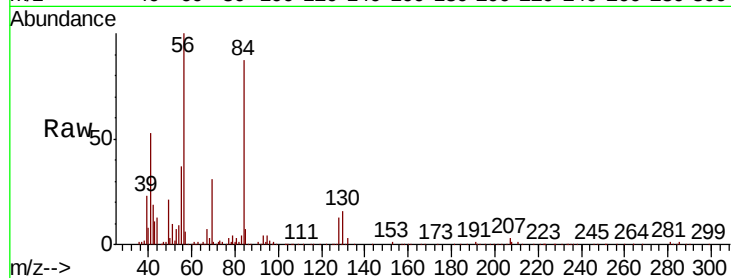
Tot Ion: 56 Resp: 292560

Ion Ratio Lower Upper

56 100

69 30.6 25.3 37.9

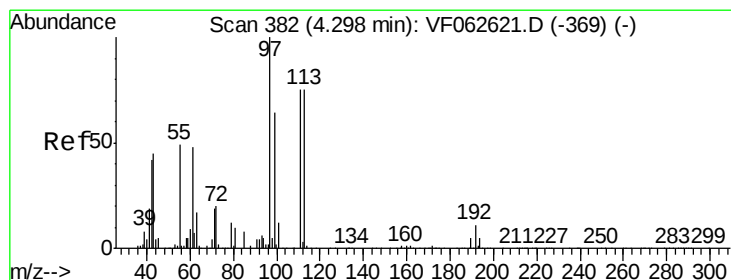
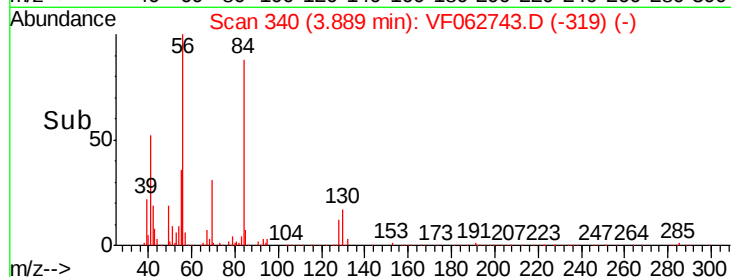
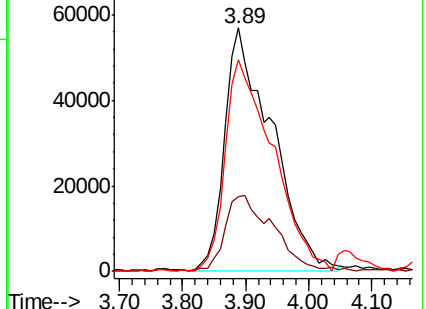
84 87.1 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.444 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

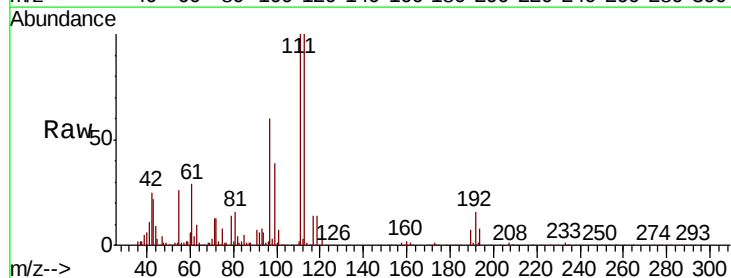
Tgt Ion: 97 Resp: 217860

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

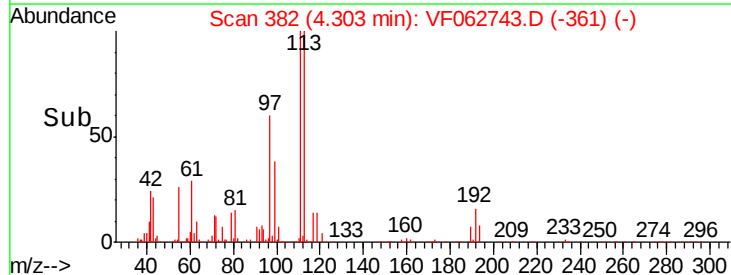
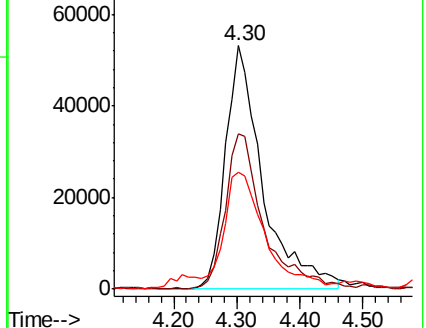
61 47.8 38.2 57.2

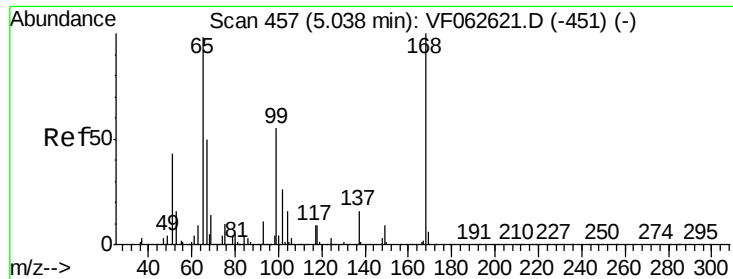


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.008 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

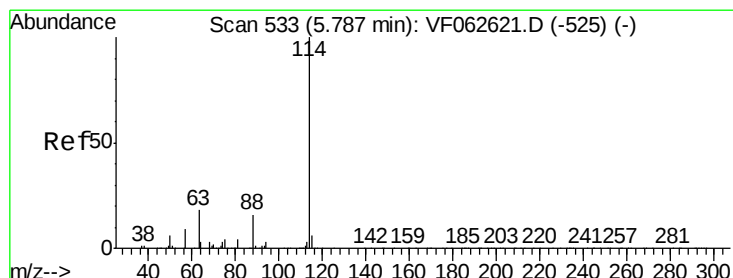
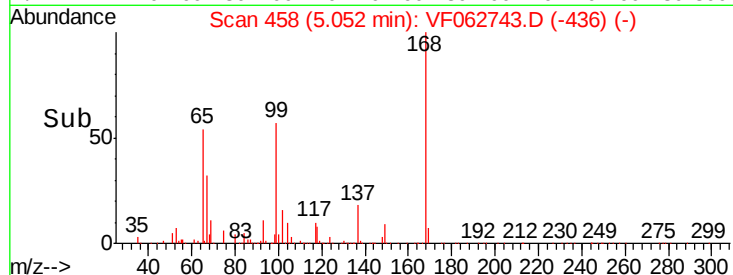
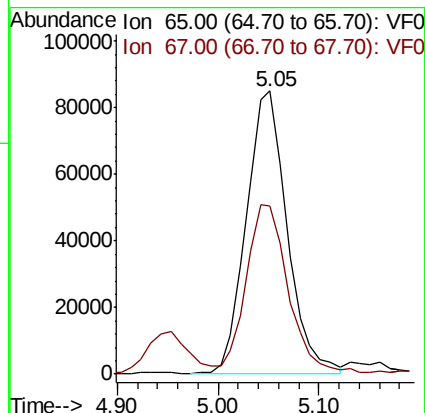
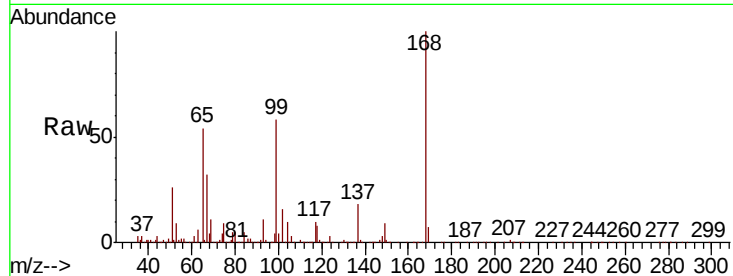
VF0524SBS01

Tot Ion: 65 Resp: 238220

Ion Ratio Lower Upper

65 100

67 59.6 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

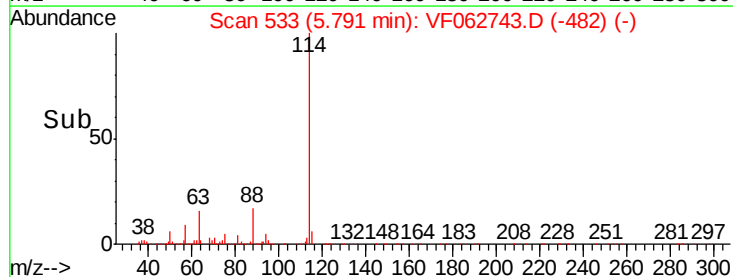
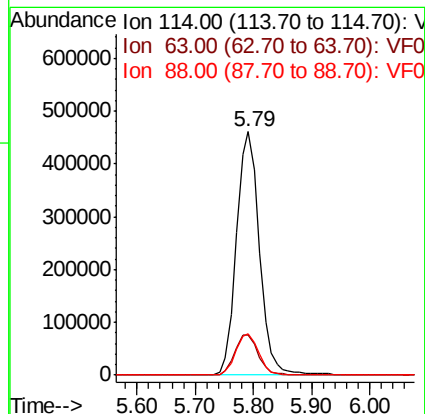
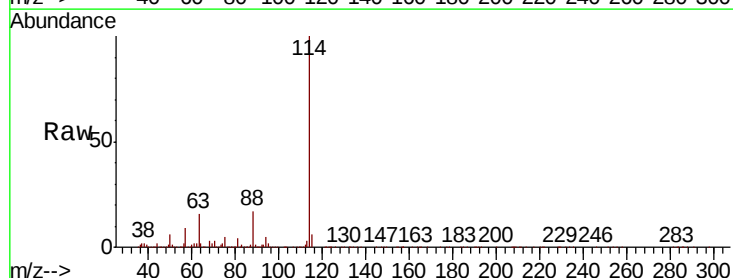
Tgt Ion: 114 Resp: 1263298

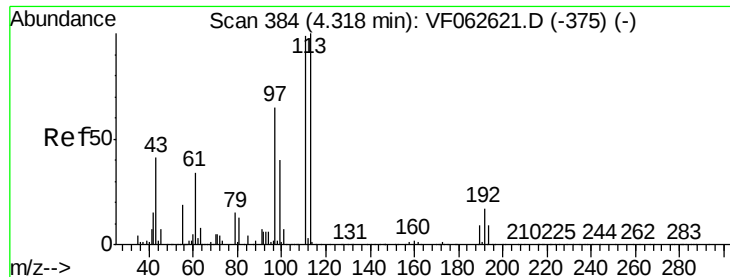
Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.4

88 16.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 44.771 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

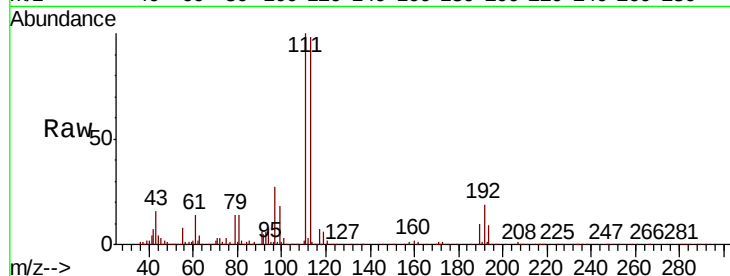
Tot Ion:113 Resp: 432792

Ion Ratio Lower Upper

113 100

111 102.1 79.4 119.2

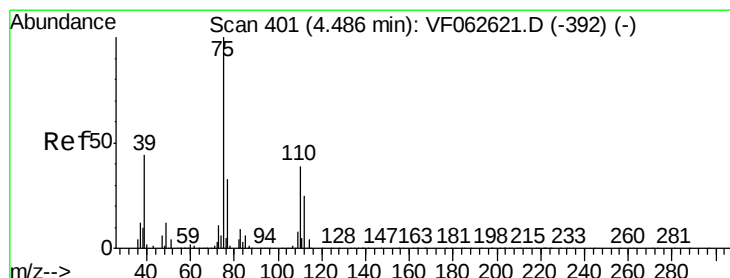
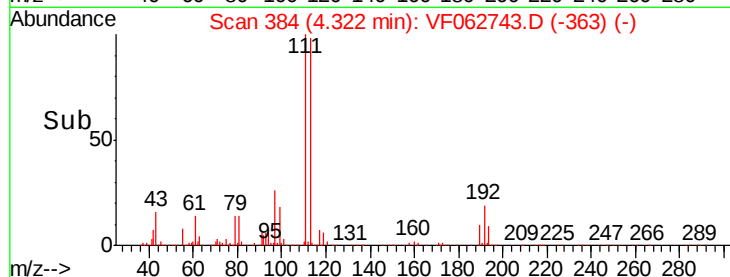
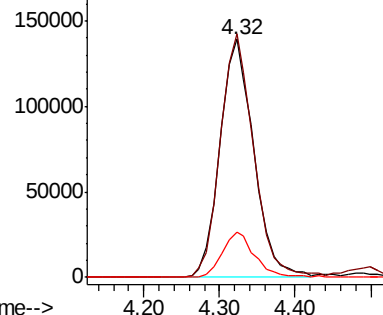
192 19.1 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 19.597 ug/l

RT: 4.49 min Scan# 401

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

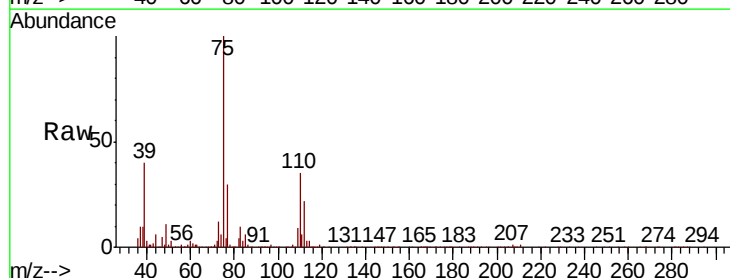
Tgt Ion: 75 Resp: 253686

Ion Ratio Lower Upper

75 100

110 34.6 19.7 59.1

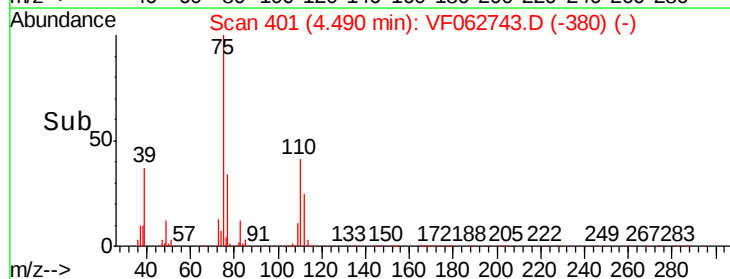
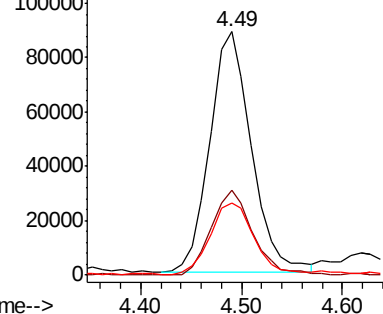
77 29.7 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

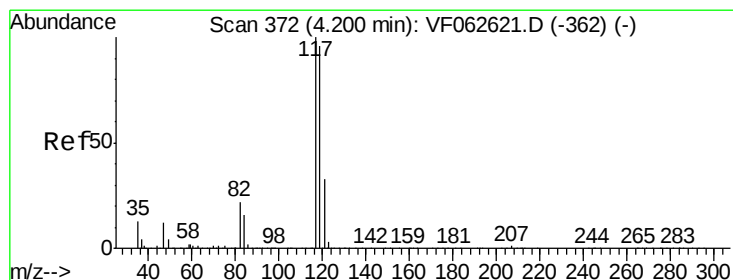
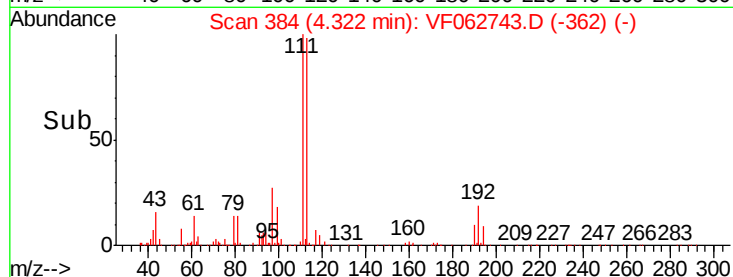
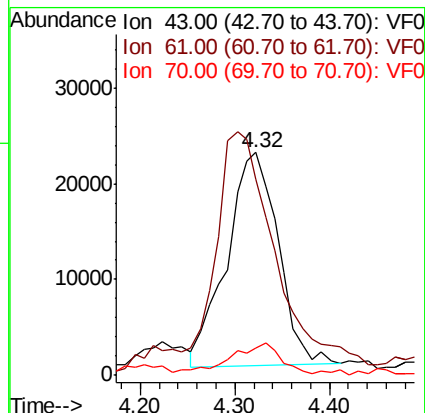
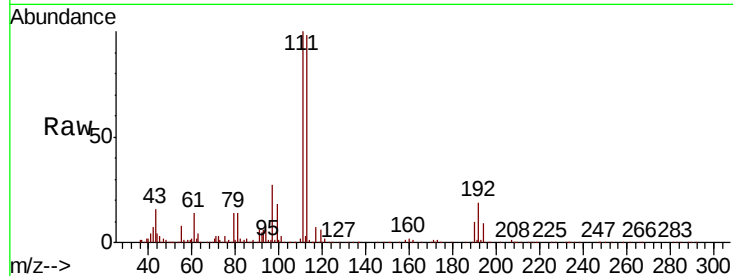




#37
Ethyl Acetate
Concen: 15.829 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

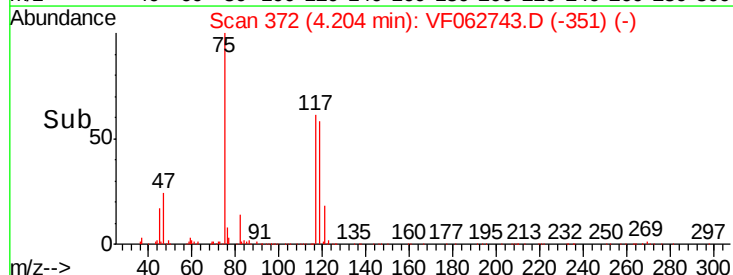
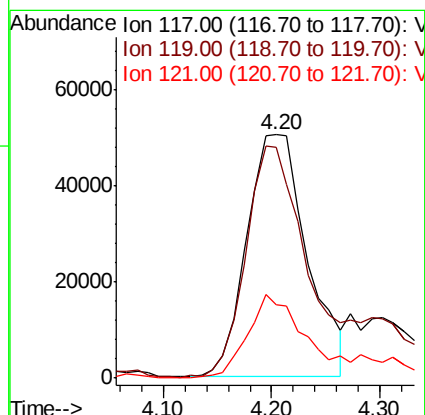
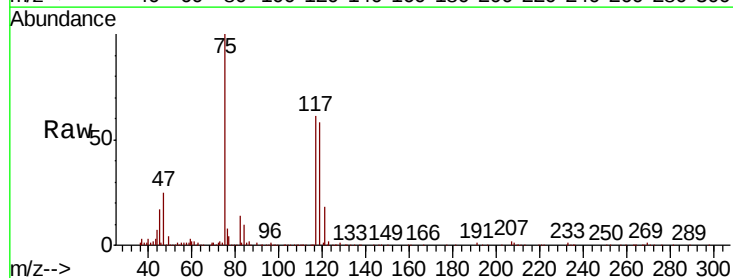
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

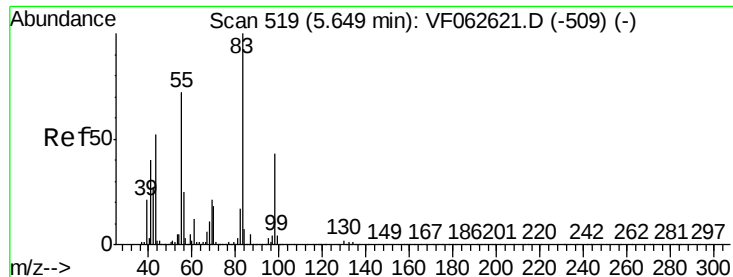
Tot Ion: 43 Resp: 83664
Ion Ratio Lower Upper
43 100
61 88.3 76.9 115.3
70 12.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 20.112 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 117 Resp: 195806
Ion Ratio Lower Upper
117 100
119 94.7 76.7 115.1
121 29.9 26.6 40.0

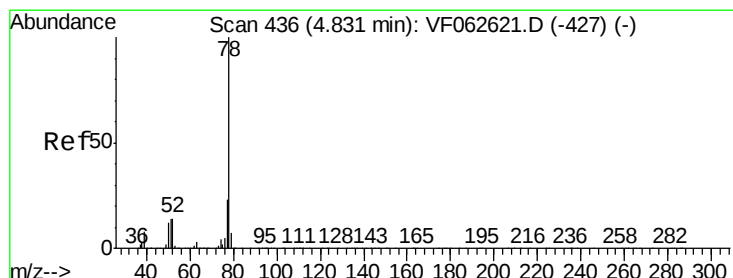
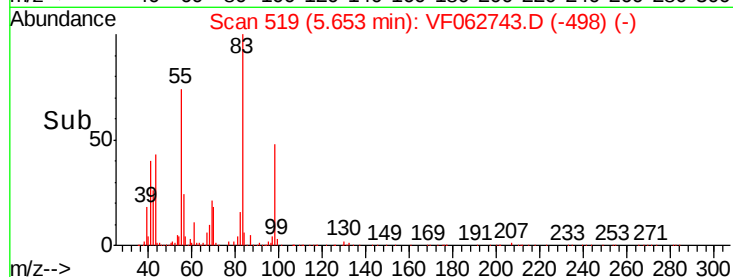
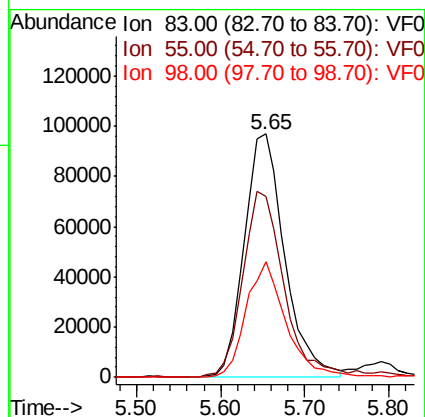
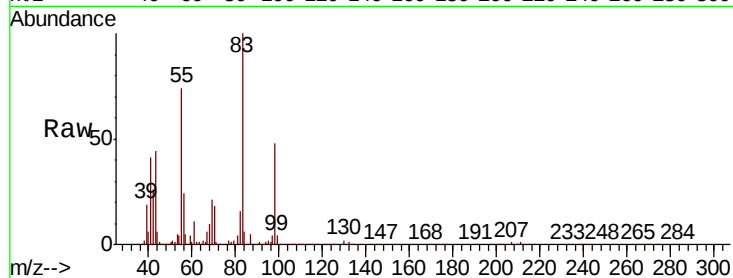




#39
Methylcyclohexane
Concen: 21.038 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

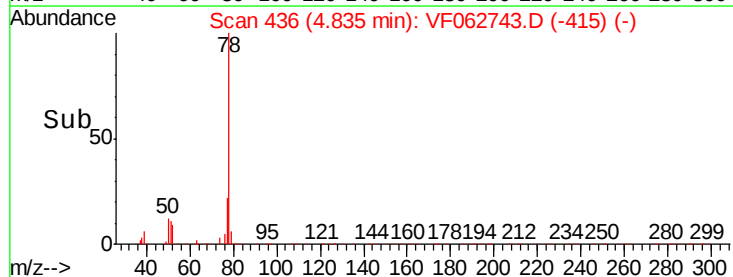
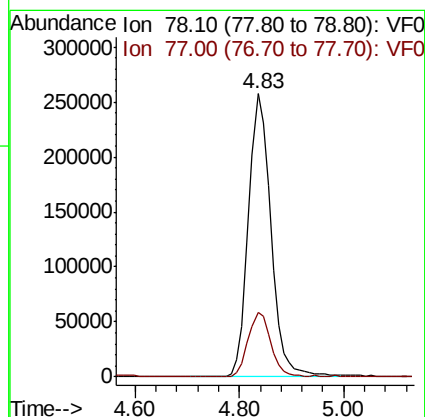
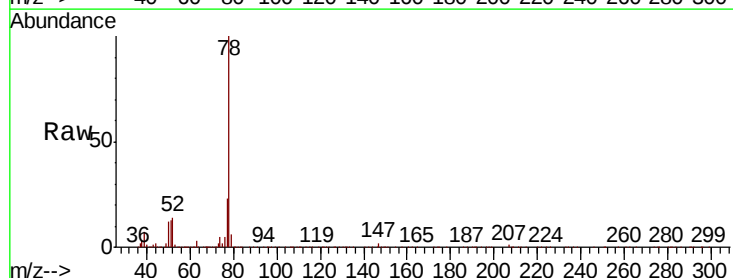
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

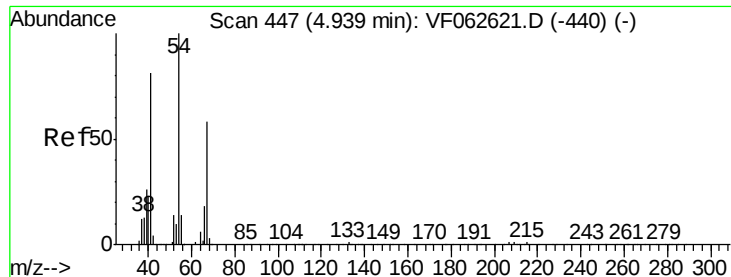
Tot Ion: 83 Resp: 327684
Ion Ratio Lower Upper
83 100
55 74.3 57.9 86.9
98 47.7 34.6 52.0



#40
Benzene
Concen: 21.134 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 78 Resp: 745301
Ion Ratio Lower Upper
78 100
77 22.6 18.2 27.2

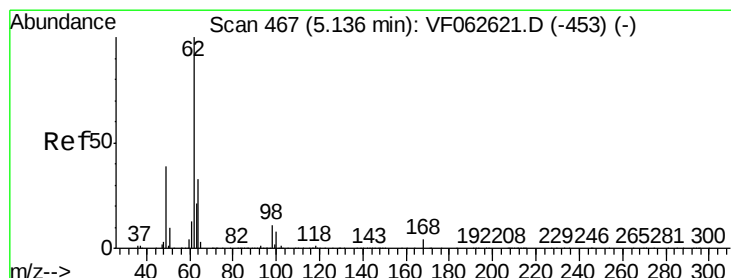
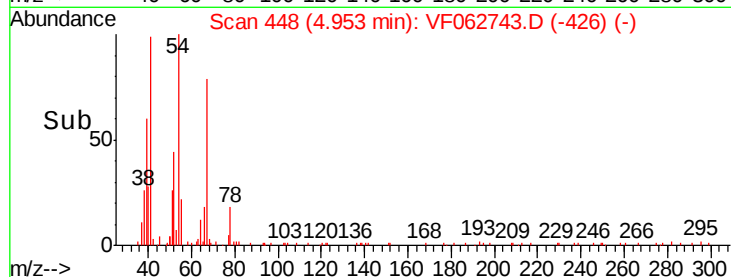
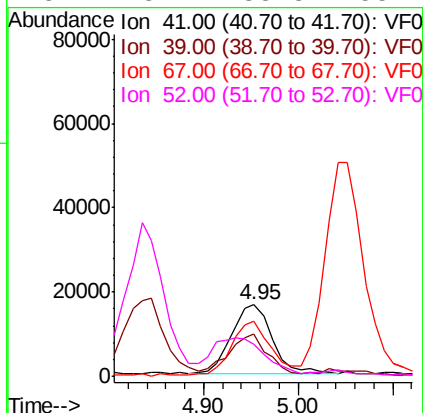
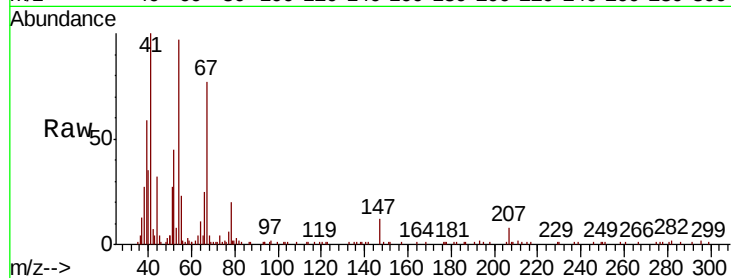




#41
Methacrylonitrile
Concen: 17.982 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

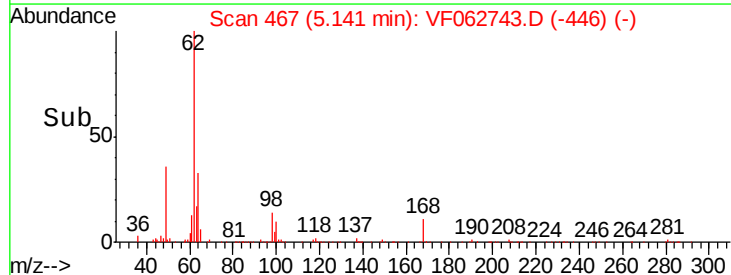
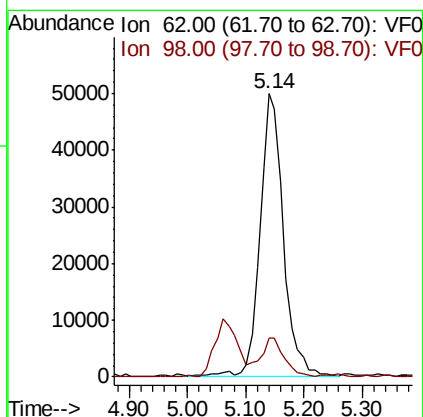
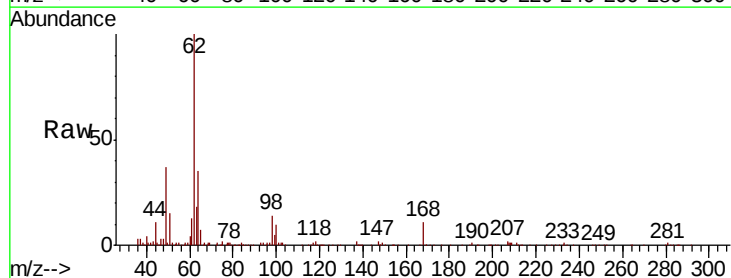
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

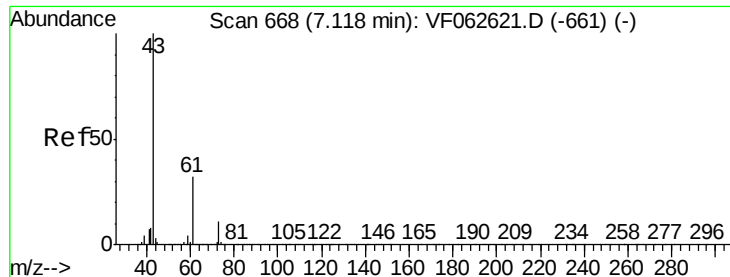
Tot Ion:	41	Resp:	49827
Ion	Ratio	Lower	Upper
41	100		
39	58.7	42.2	63.2
67	77.0	56.4	84.6
52	45.4	38.8	58.2



#42
1,2-Dichloroethane
Concen: 20.192 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion:	62	Resp:	142001
Ion	Ratio	Lower	Upper
62	100		
98	13.8	0.0	21.6





#43

Isopropyl Acetate

Concen: 16.402 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

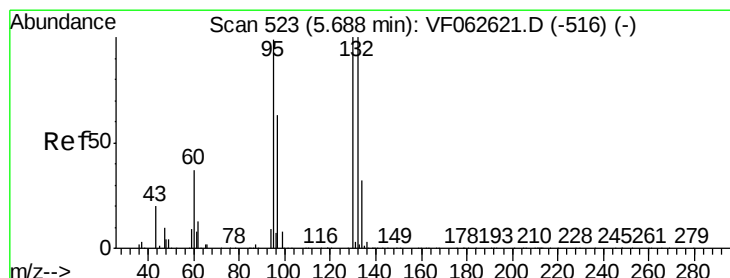
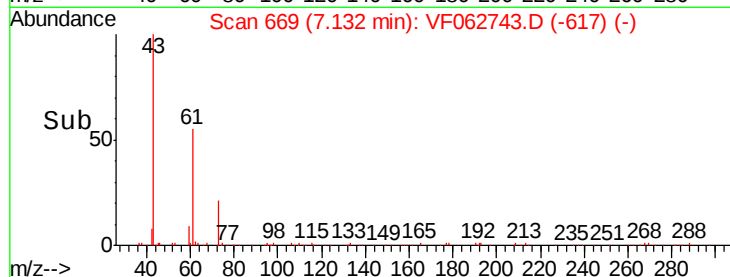
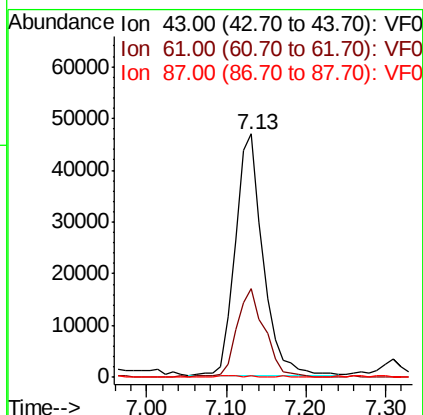
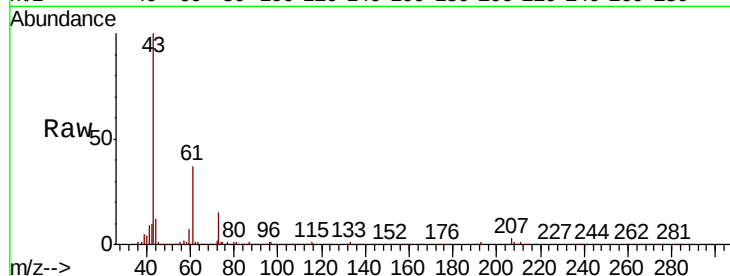
Tot Ion: 43 Resp: 112311

Ion Ratio Lower Upper

43 100

61 36.5 25.8 38.8

87 0.9 0.4 0.6#



#44

Trichloroethene

Concen: 21.574 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062743.D

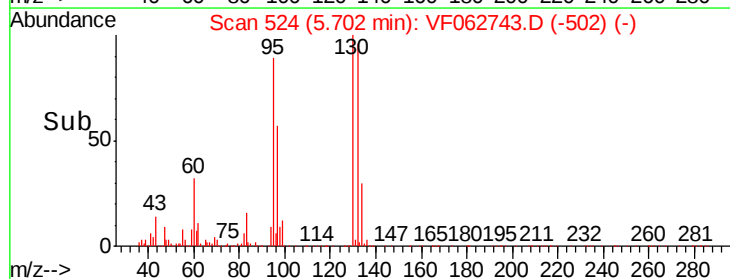
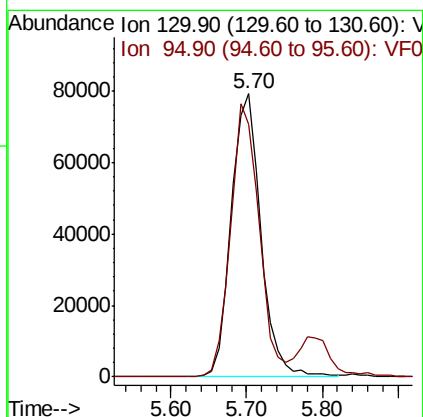
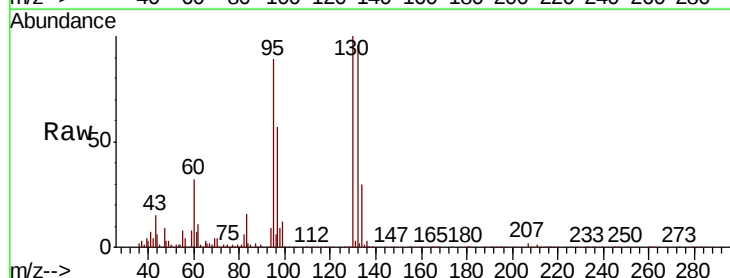
Acq: 24 May 2019 13:18

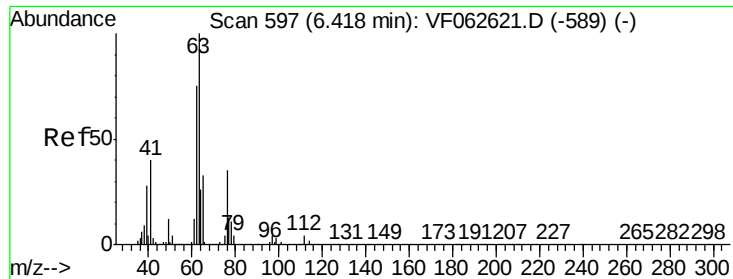
Tgt Ion: 130 Resp: 213827

Ion Ratio Lower Upper

130 100

95 89.2 0.0 199.4

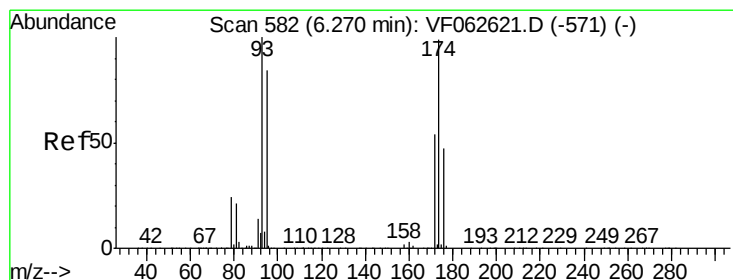
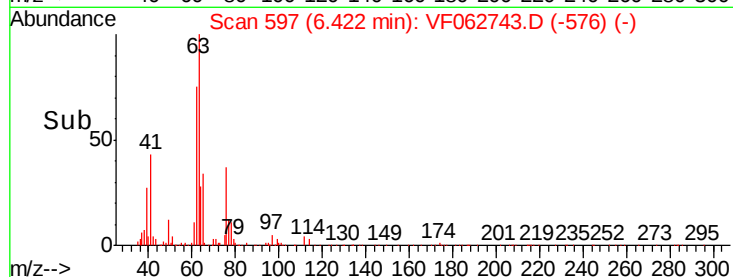
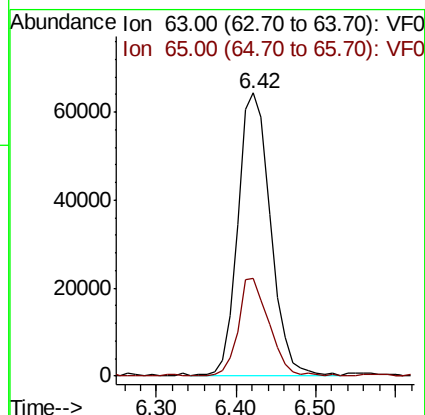
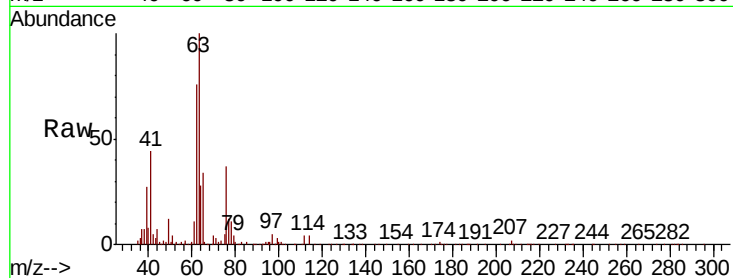




#45
 1,2-Dichloropropane
 Concen: 20.550 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

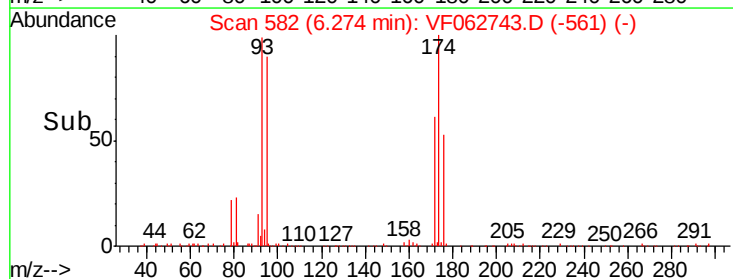
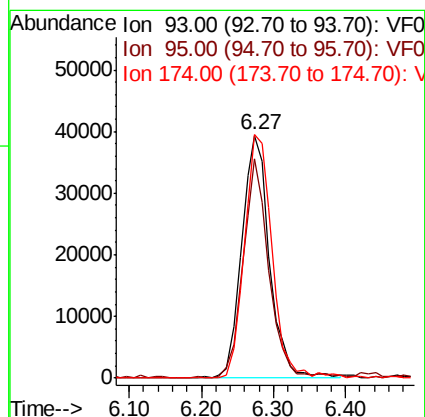
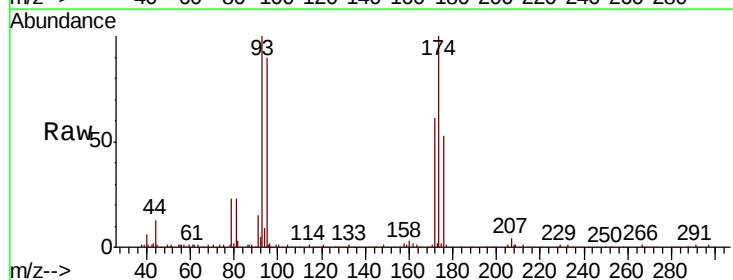
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

Tot Ion: 63 Resp: 182940
 Ion Ratio Lower Upper
 63 100
 65 34.4 26.3 39.5



#46
 Dibromomethane
 Concen: 20.635 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion: 93 Resp: 106166
 Ion Ratio Lower Upper
 93 100
 95 90.3 67.4 101.2
 174 100.3 79.4 119.2





#47

Bromodichloromethane

Concen: 19.928 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

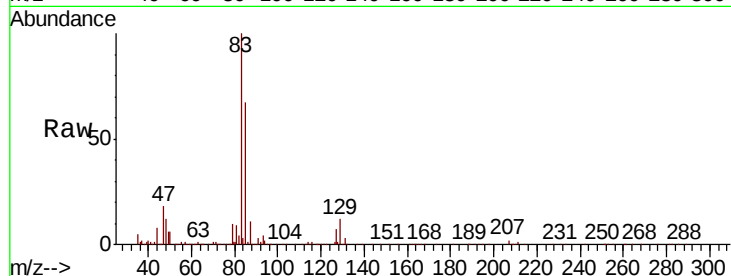
Tot Ion: 83 Resp: 212841

Ion Ratio Lower Upper

83 100

85 66.6 52.0 78.0

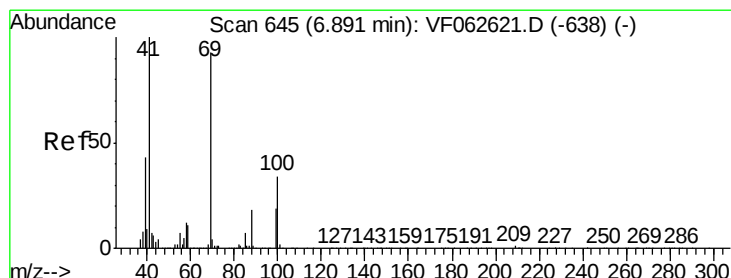
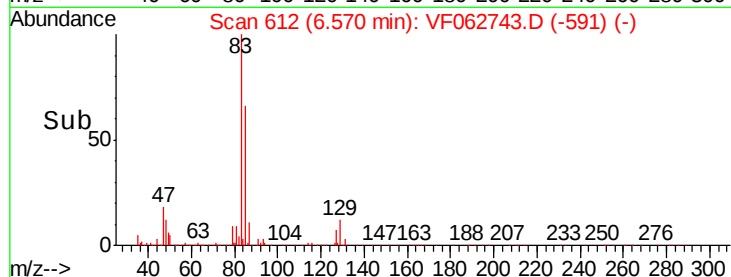
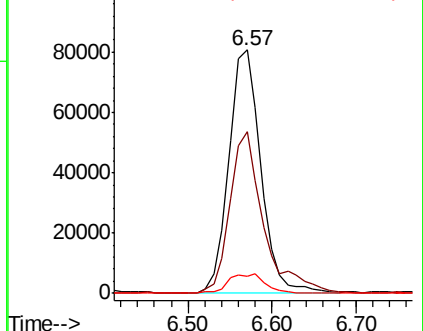
127 6.8 7.7 11.5#



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: 16.379 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

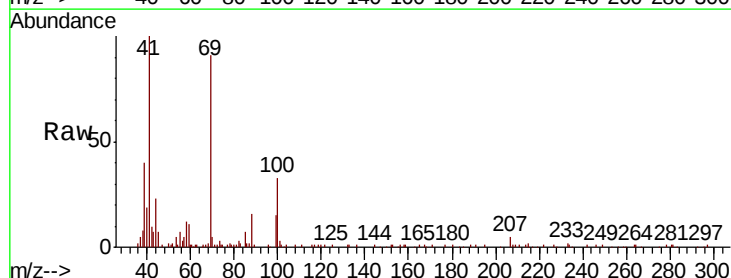
Tgt Ion: 41 Resp: 58622

Ion Ratio Lower Upper

41 100

69 90.8 74.2 111.2

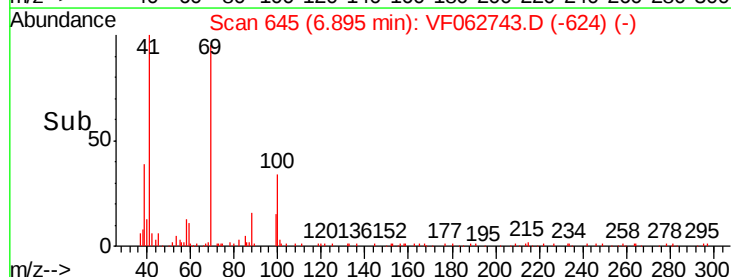
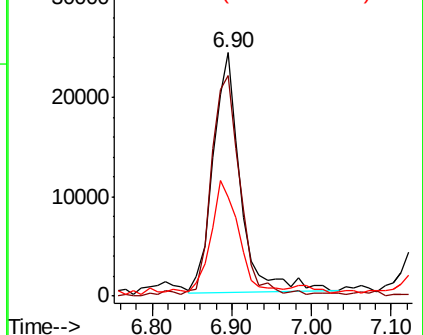
39 40.5 34.2 51.4

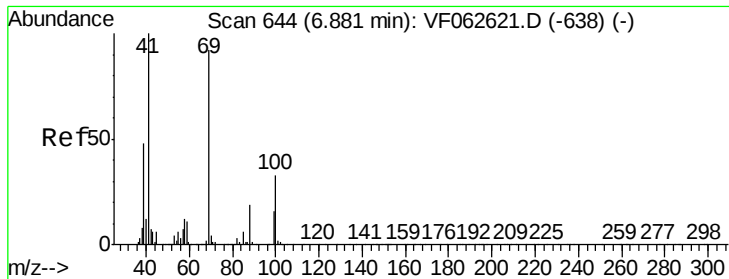


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

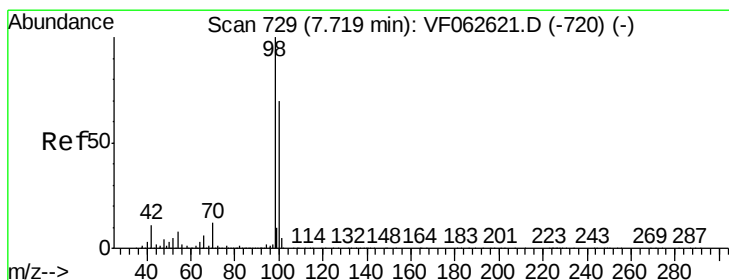
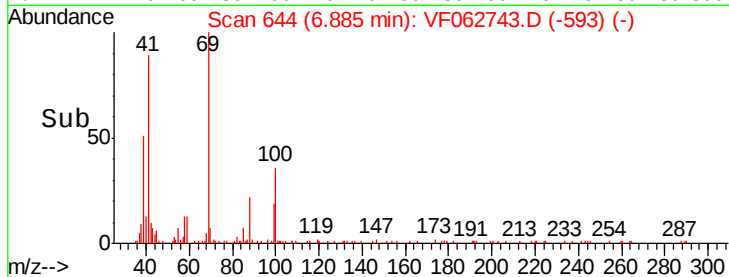
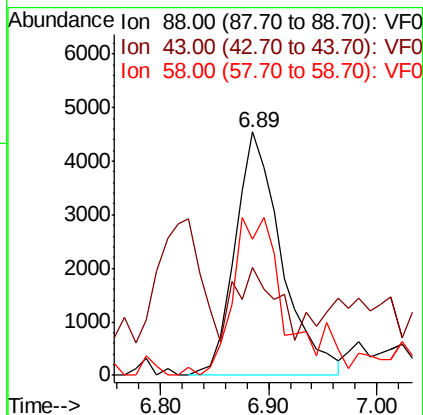
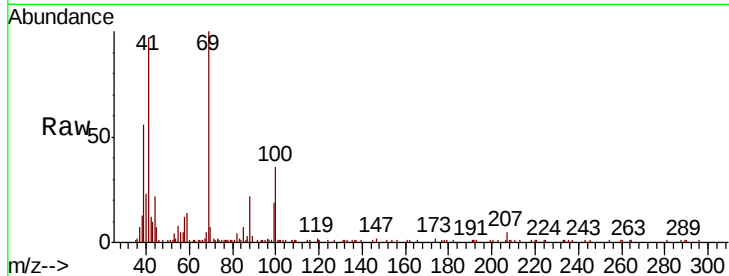




#49
1,4-Dioxane
Concen: 296.922 ug/l
RT: 6.89 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

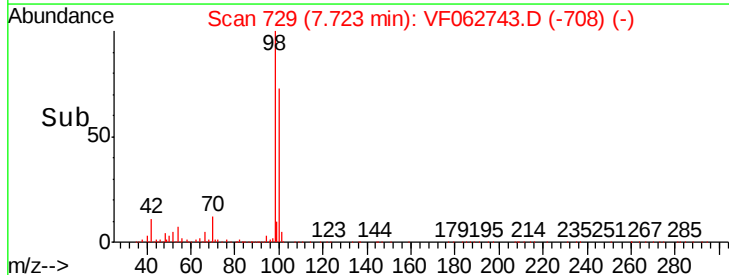
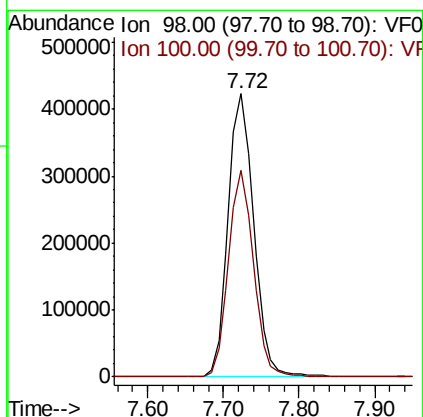
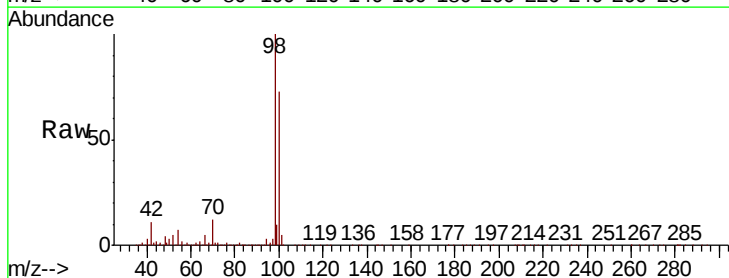
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

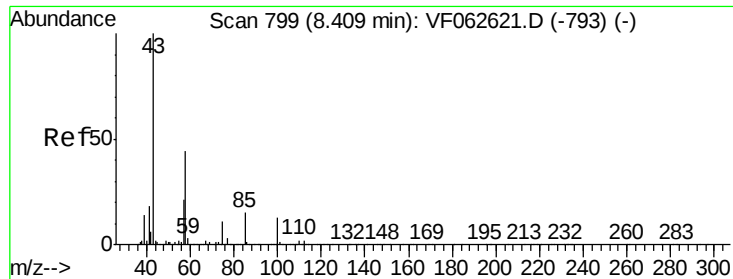
Tot Ion: 88 Resp: 13611
Ion Ratio Lower Upper
88 100
43 44.6 30.0 45.0
58 55.9 51.1 76.7



#50
Toluene-d8
Concen: 43.123 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 98 Resp: 995297
Ion Ratio Lower Upper
98 100
100 72.8 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 86.362 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

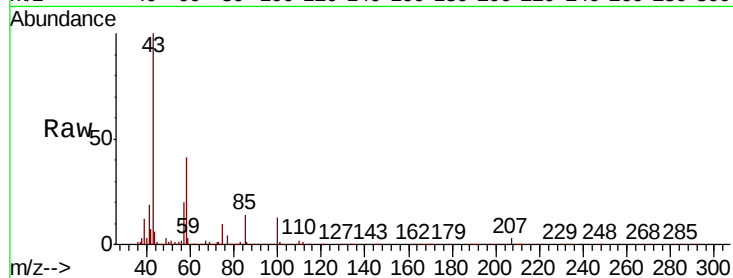
VF0524SBS01

Tot Ion: 43 Resp: 404216

Ion Ratio Lower Upper

43 100

58 41.4 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

200000

150000

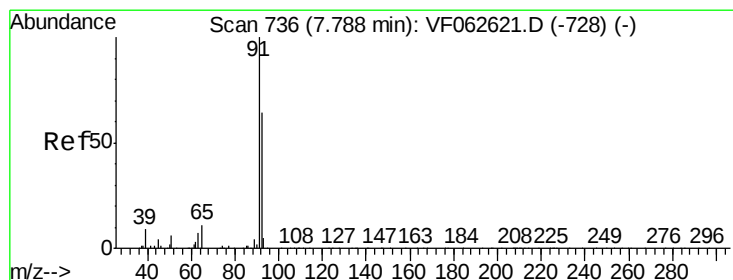
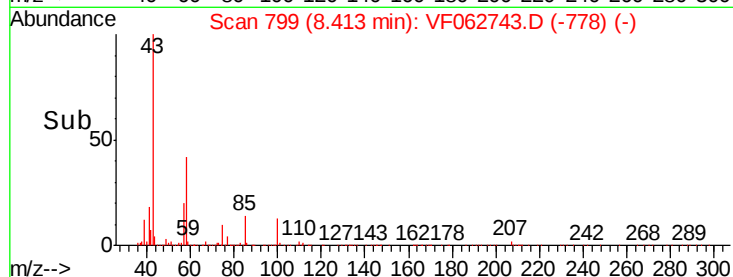
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 20.169 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062743.D

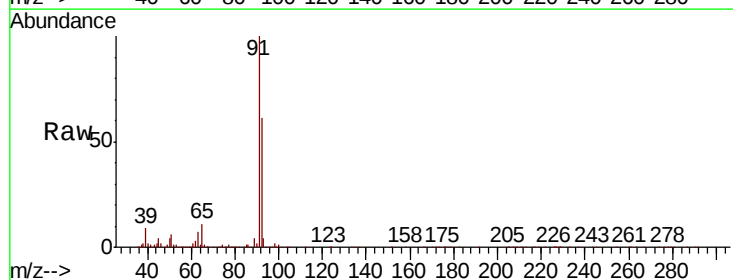
Acq: 24 May 2019 13:18

Tgt Ion: 92 Resp: 373031

Ion Ratio Lower Upper

92 100

91 164.6 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

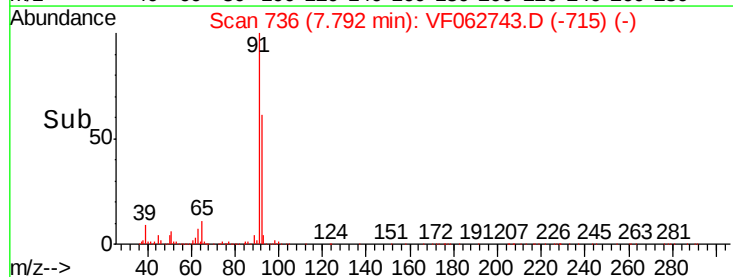
100000

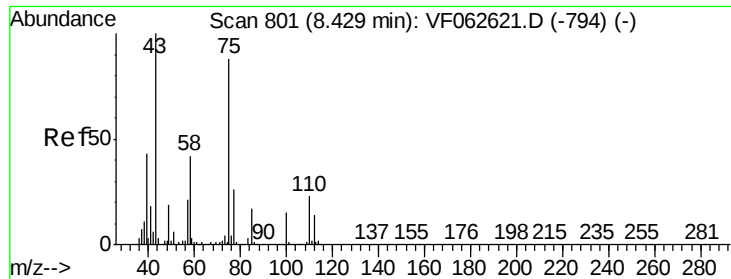
50000

0

7.60 7.70 7.80 7.90 8.00

Time-->

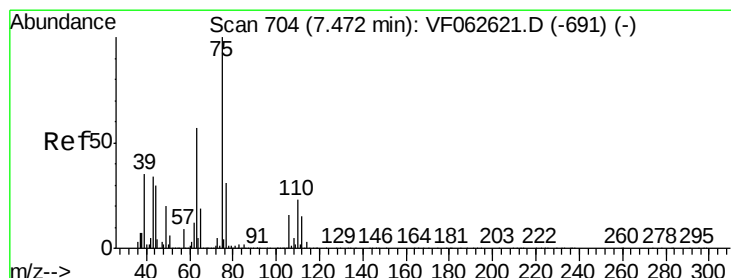
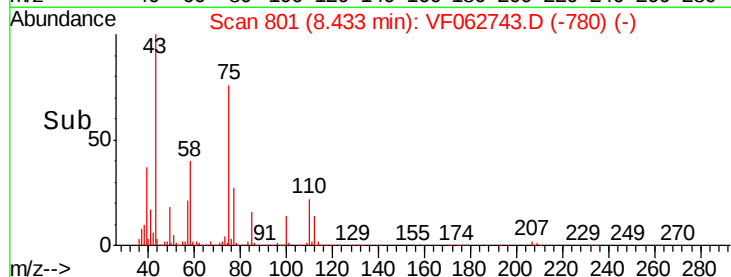
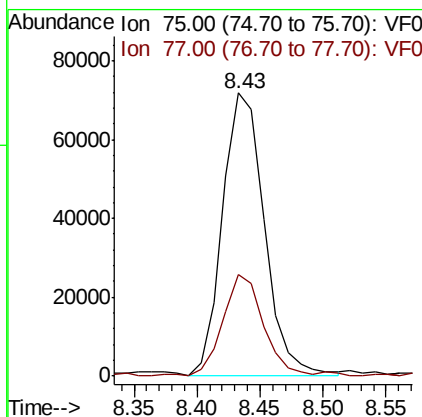
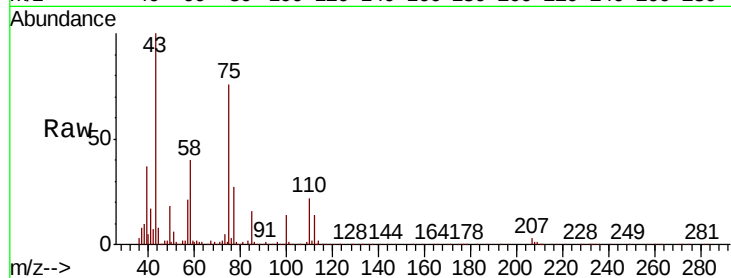




#53
 t-1,3-Dichloropropene
 Concen: 18.787 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

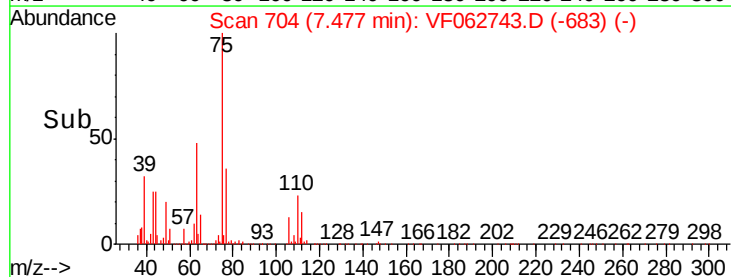
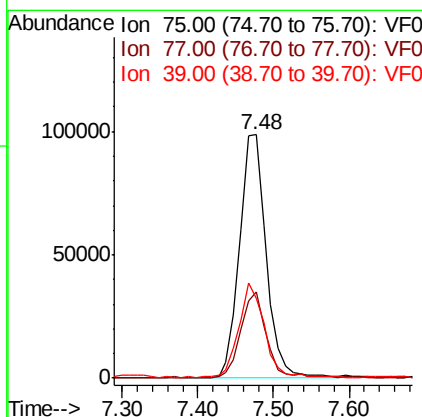
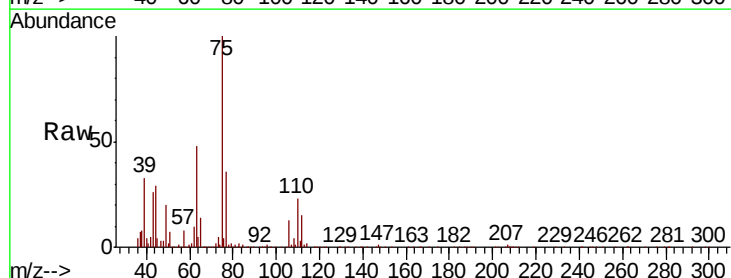
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

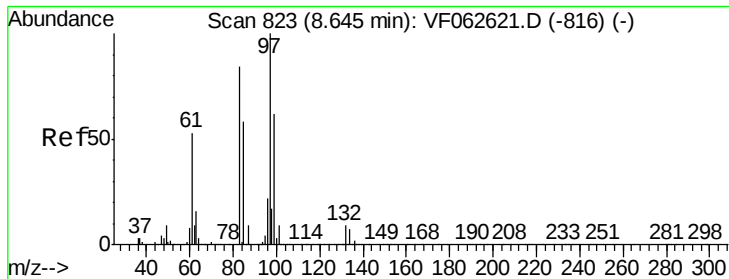
Tot Ion: 75 Resp: 164167
 Ion Ratio Lower Upper
 75 100
 77 35.8 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 19.774 ug/l
 RT: 7.48 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion: 75 Resp: 241876
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.3 37.9
 39 32.6 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 20.014 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

Tot Ion: 97 Resp: 109598

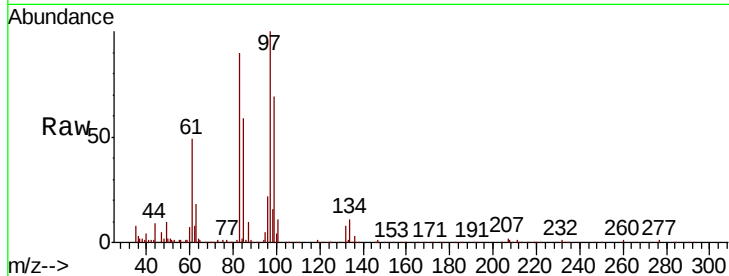
Ion Ratio Lower Upper

97 100

83 90.0 67.3 100.9

85 58.5 46.6 69.8

99 68.8 49.7 74.5

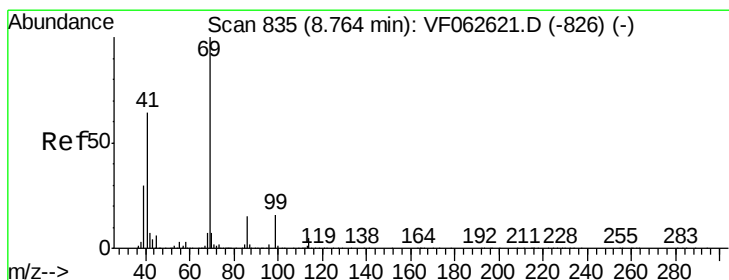
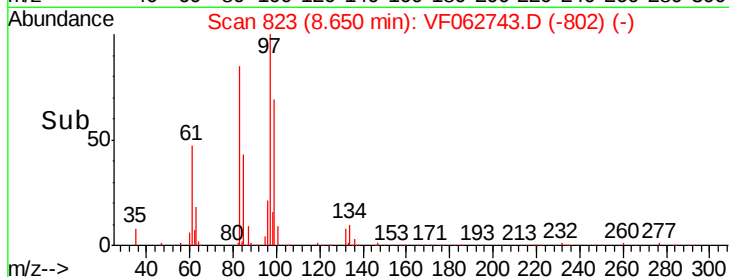
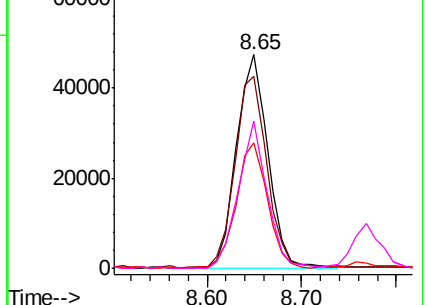


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.026 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

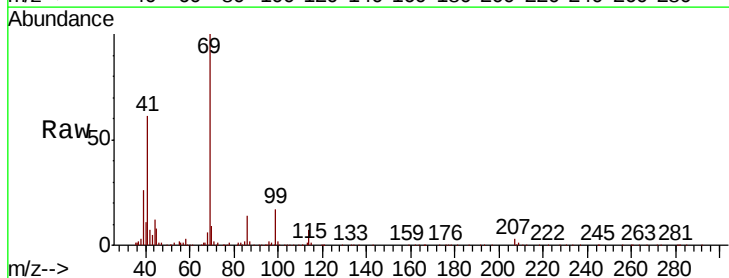
Tgt Ion: 69 Resp: 117603

Ion Ratio Lower Upper

69 100

41 60.8 51.4 77.2

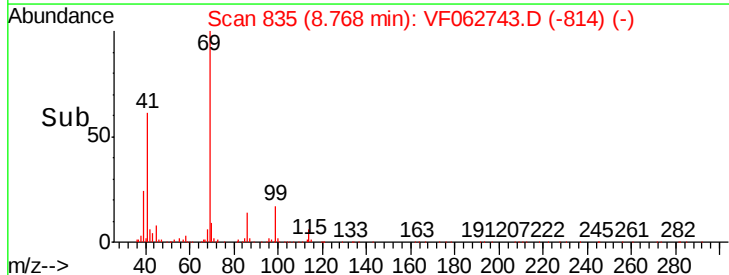
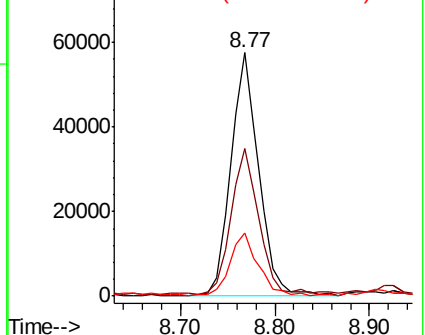
39 26.0 23.6 35.4

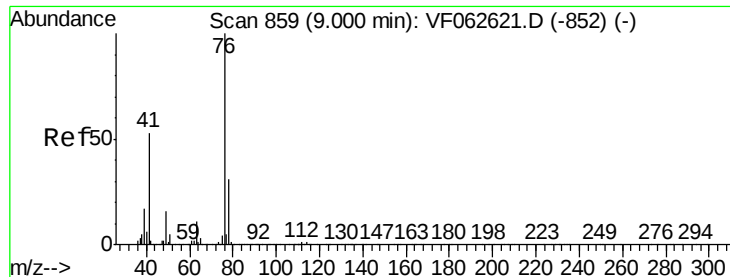


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.716 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

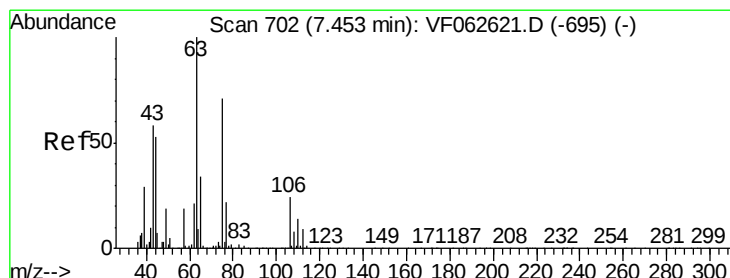
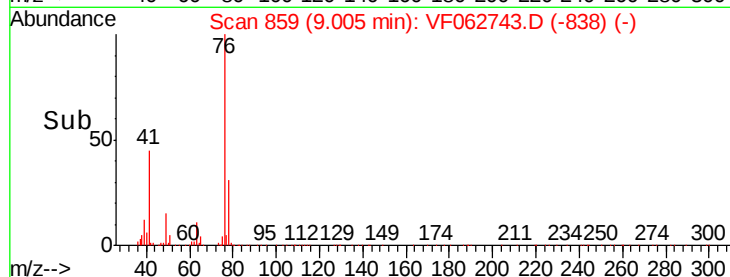
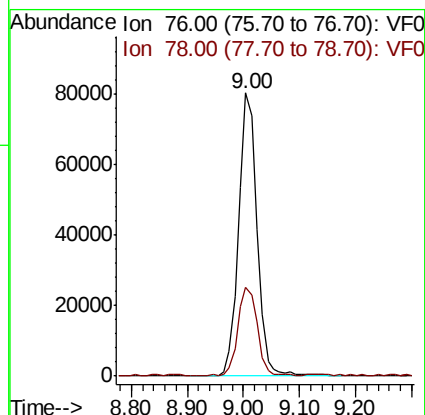
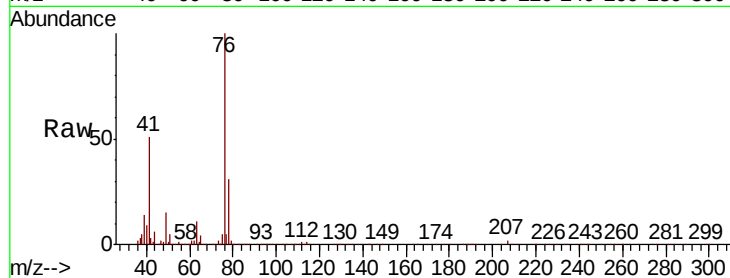
VF0524SBS01

Tot Ion: 76 Resp: 183898

Ion Ratio Lower Upper

76 100

78 31.2 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 79.311 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062743.D

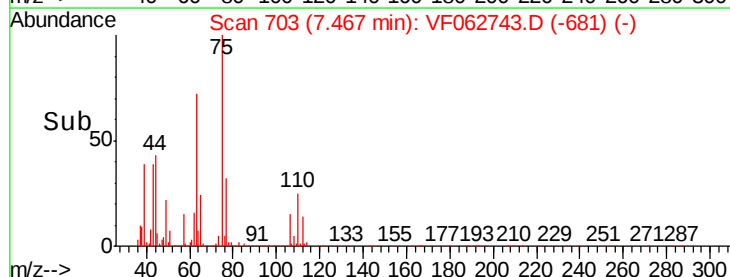
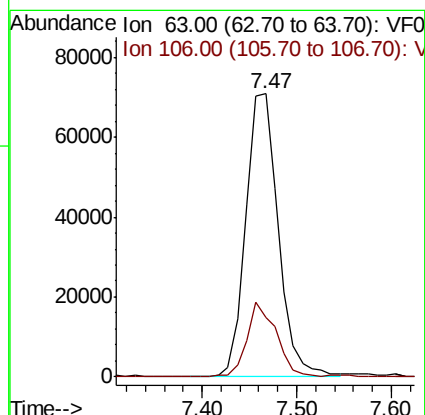
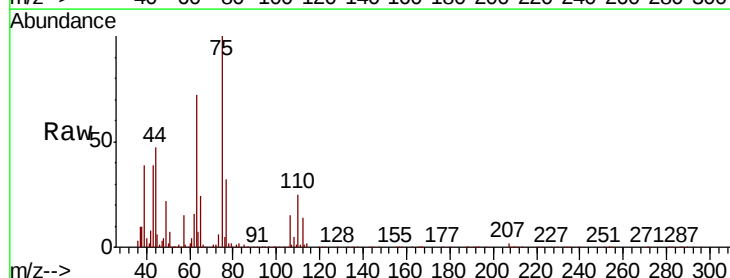
Acq: 24 May 2019 13:18

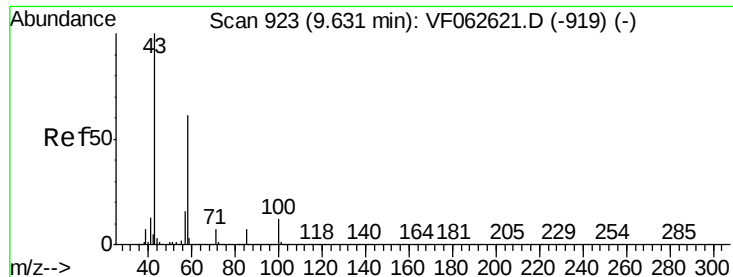
Tgt Ion: 63 Resp: 168424

Ion Ratio Lower Upper

63 100

106 21.2 19.1 28.7

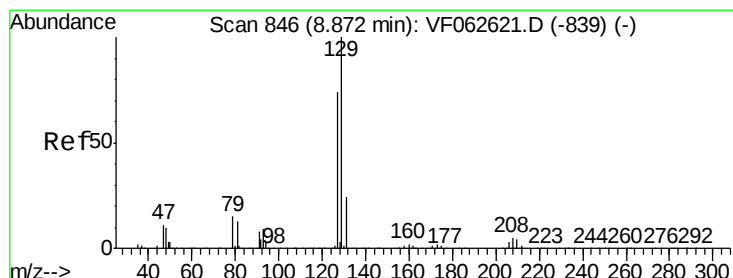
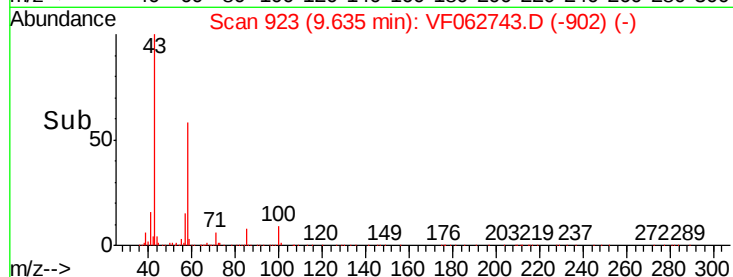
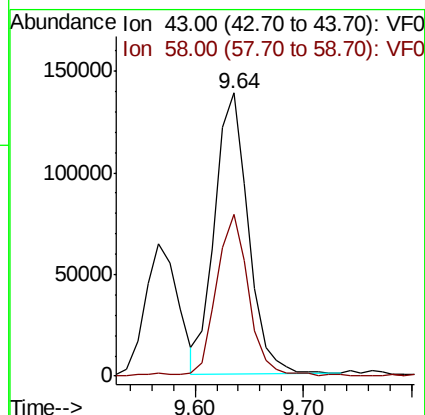
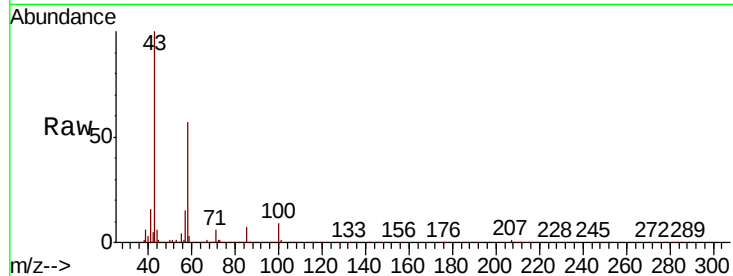




#59
2-Hexanone
Concen: 86.776 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

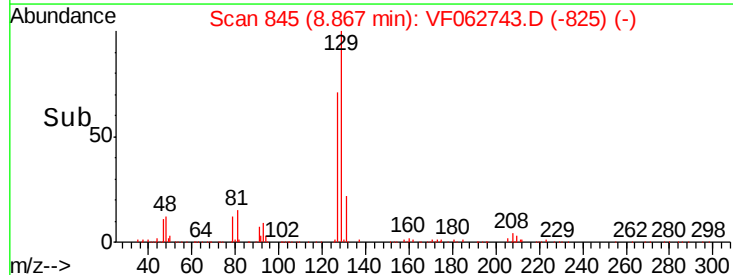
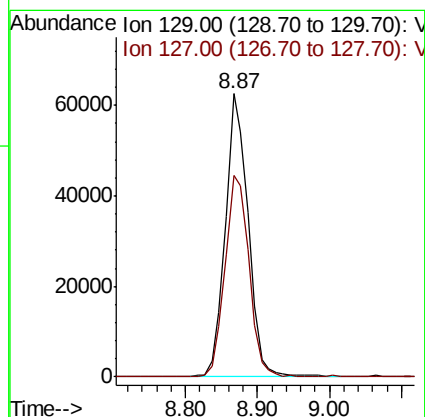
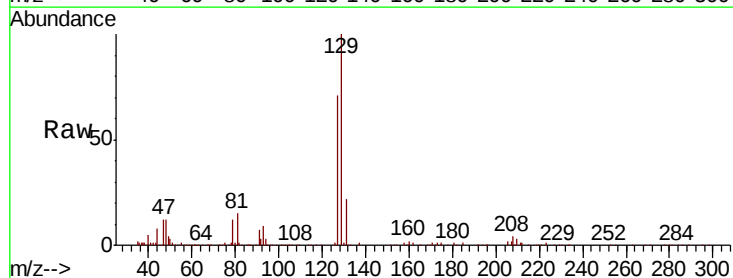
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

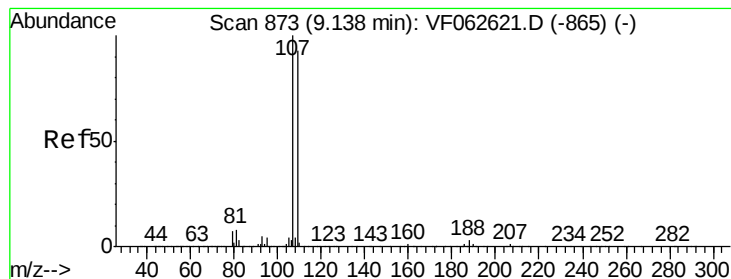
Tot Ion: 43 Resp: 299690
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.4



#60
Dibromochloromethane
Concen: 19.238 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 129 Resp: 137302
Ion Ratio Lower Upper
129 100
127 71.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 19.504 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

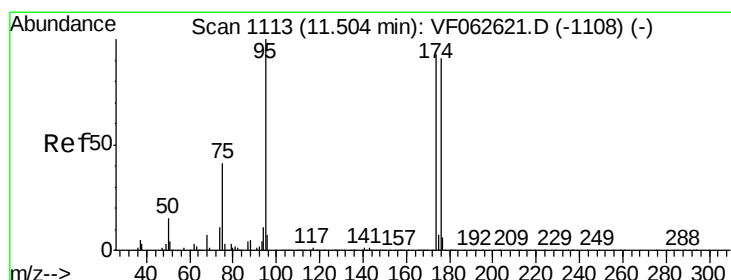
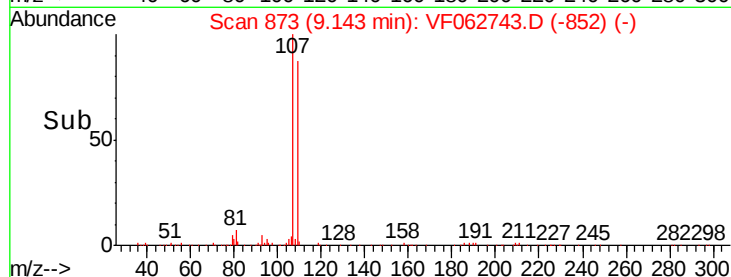
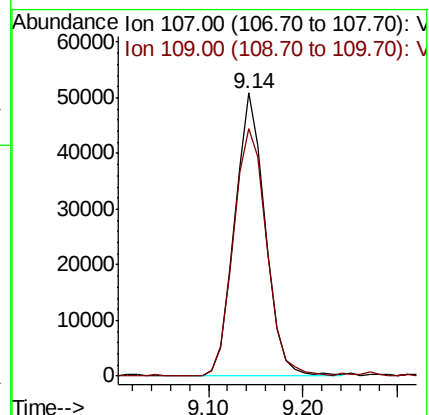
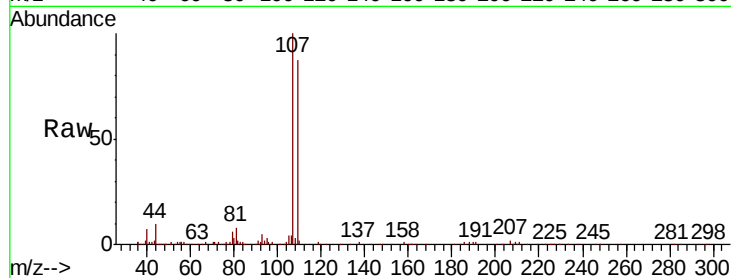
VF0524SBS01

Tot Ion:107 Resp: 113443

Ion Ratio Lower Upper

107 100

109 87.3 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 42.480 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

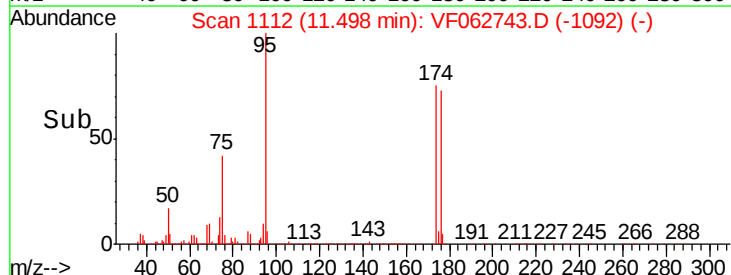
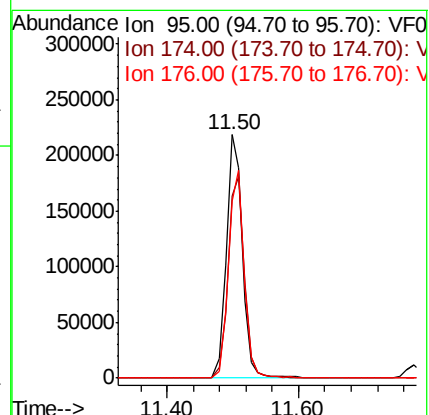
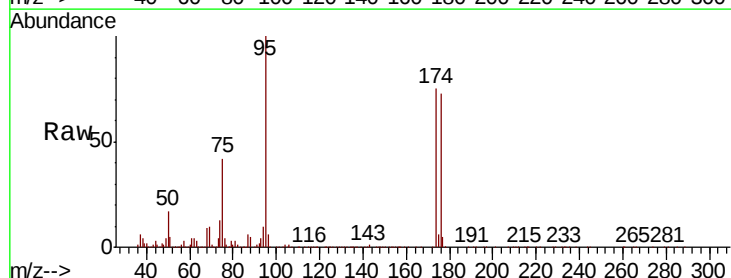
Tgt Ion: 95 Resp: 371862

Ion Ratio Lower Upper

95 100

174 75.0 0.0 185.6

176 72.6 0.0 182.4

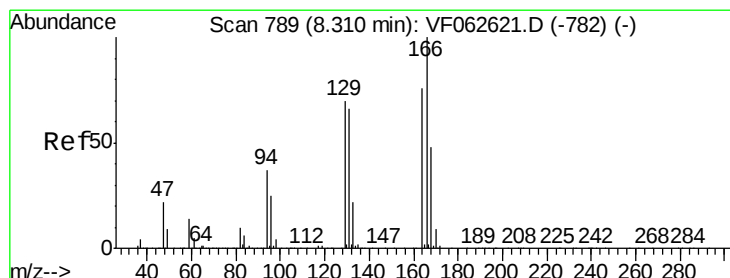
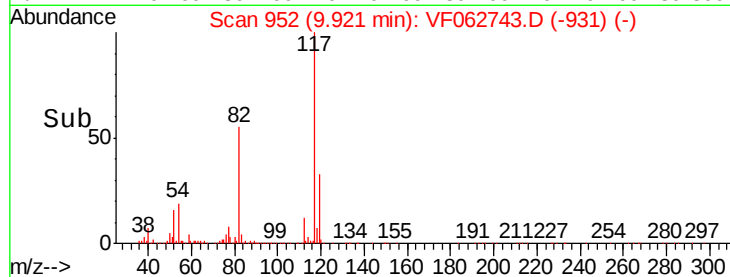
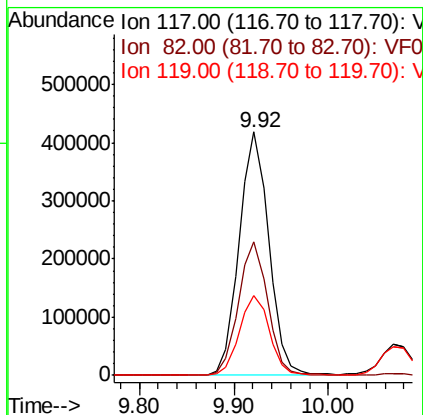
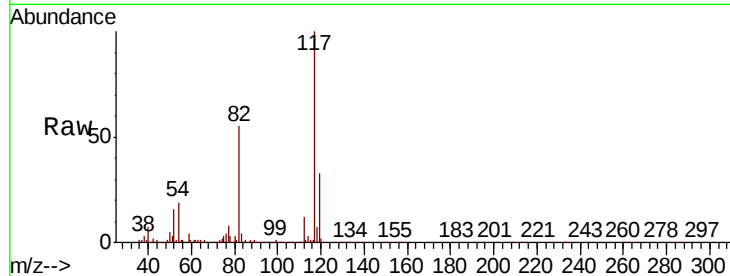




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

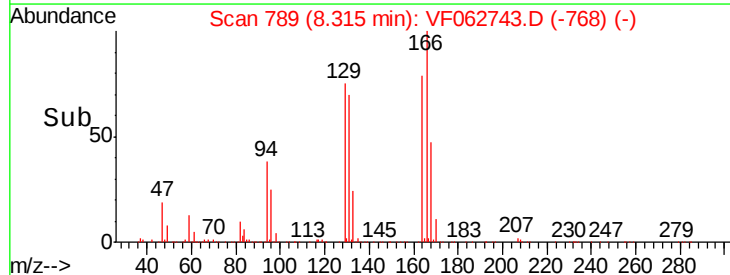
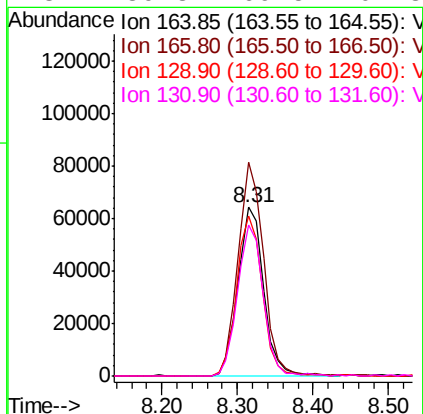
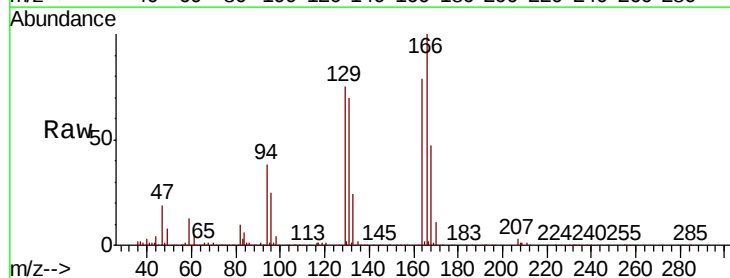
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

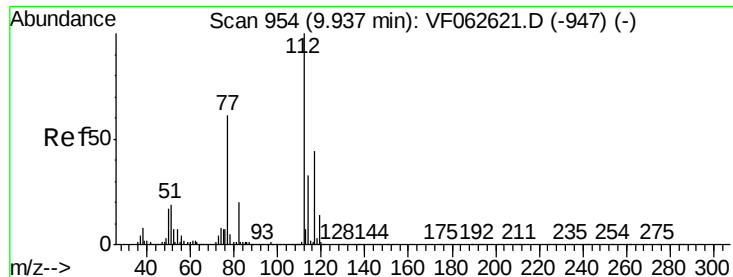
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.3	64.9
119	32.8	27.4	41.0



#64
Tetrachloroethene
Concen: 20.894 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	105.5	158.3
129	94.7	73.8	110.6
131	89.3	69.5	104.3

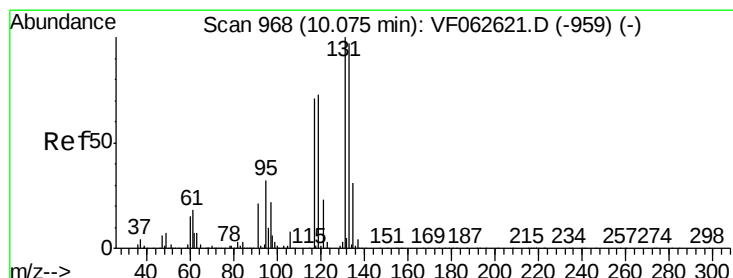
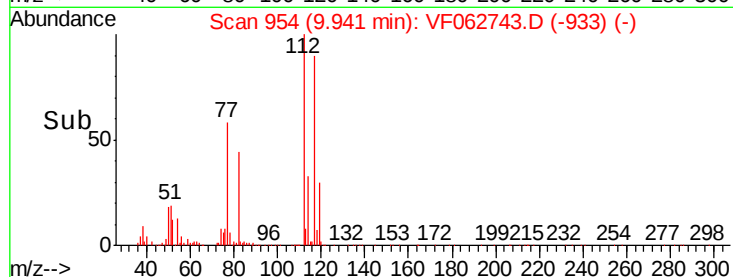
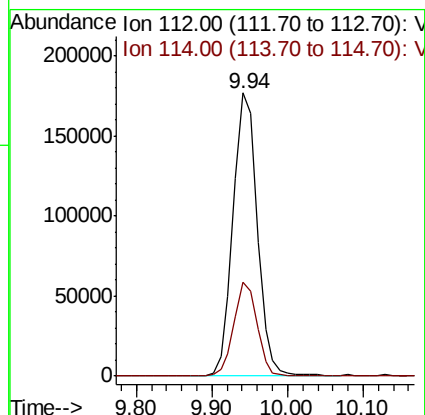
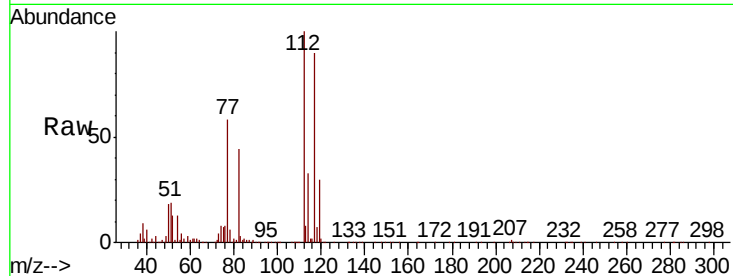




#65
Chlorobenzene
Concen: 21.857 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

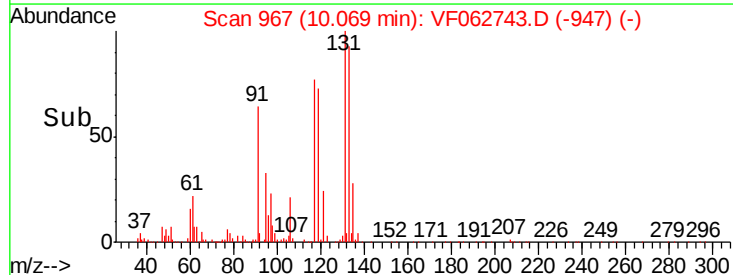
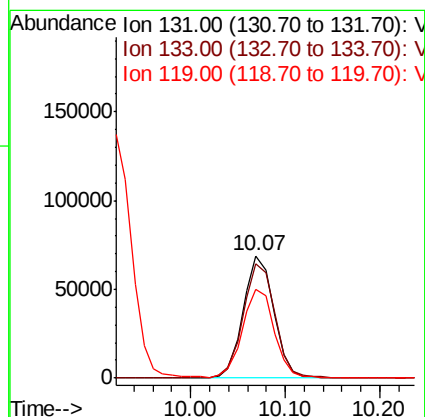
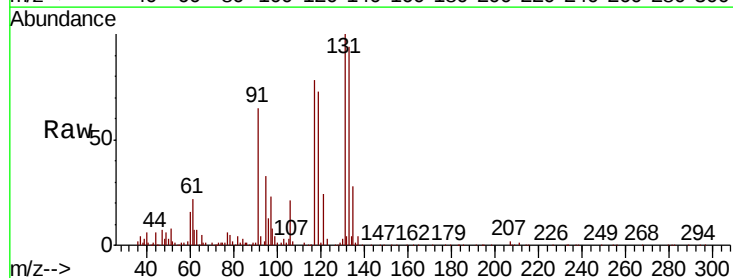
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

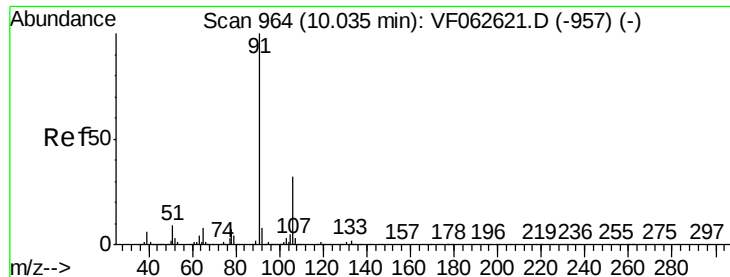
Tot Ion:112 Resp: 391352
Ion Ratio Lower Upper
112 100
114 33.2 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.593 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion:131 Resp: 155209
Ion Ratio Lower Upper
131 100
133 93.9 48.5 145.5
119 72.8 36.8 110.4

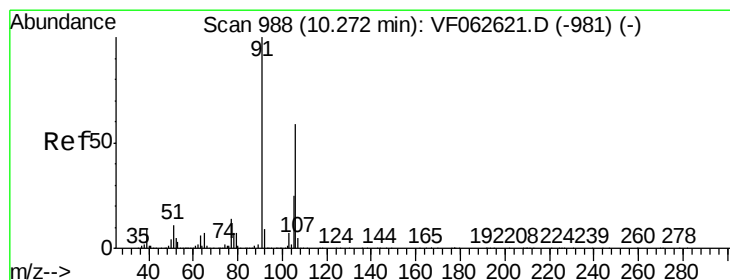
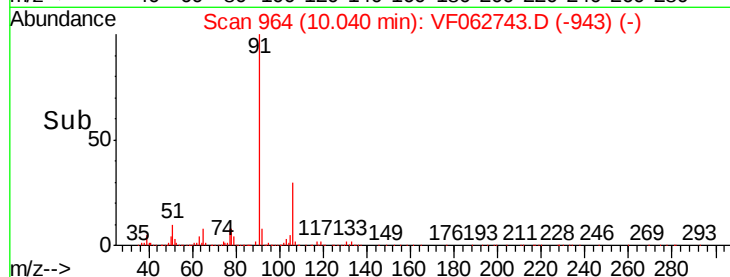
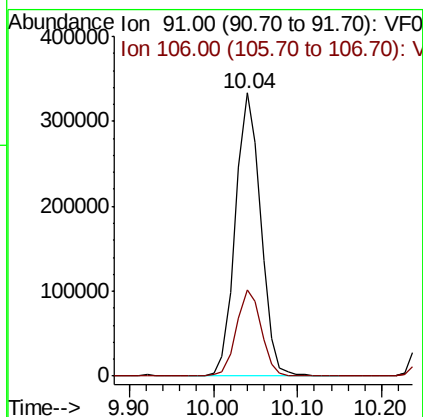
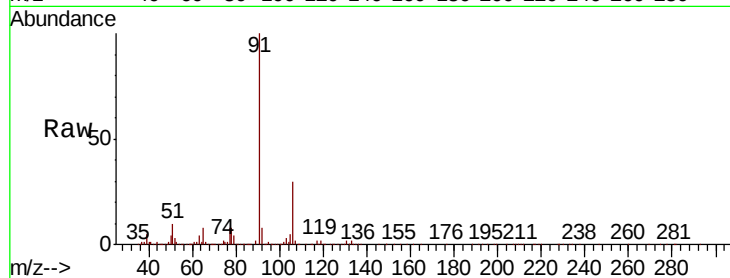




#67
Ethyl Benzene
Concen: 22.554 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

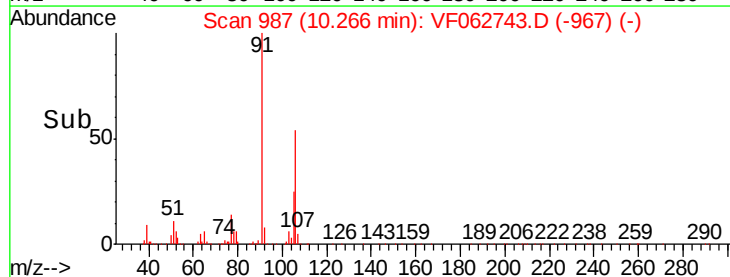
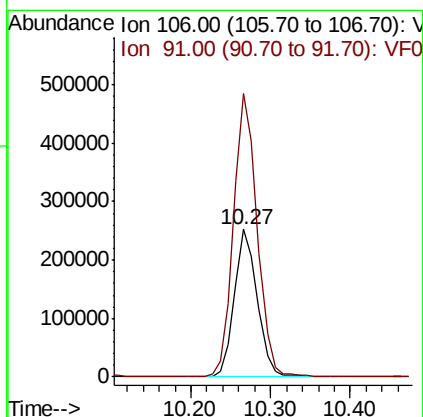
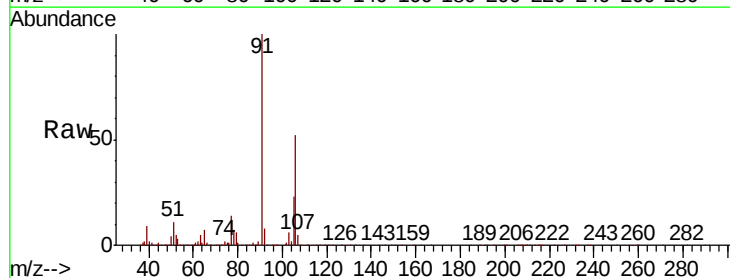
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

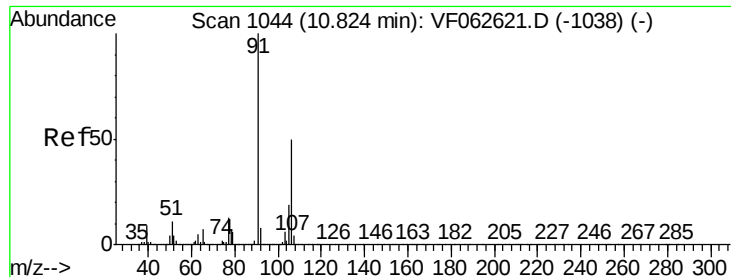
Tot Ion: 91 Resp: 701554
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8



#68
m/p-Xylenes
Concen: 43.206 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 106 Resp: 505116
Ion Ratio Lower Upper
106 100
91 192.3 136.9 205.3

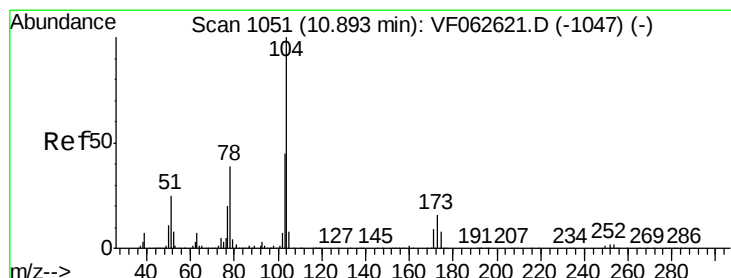
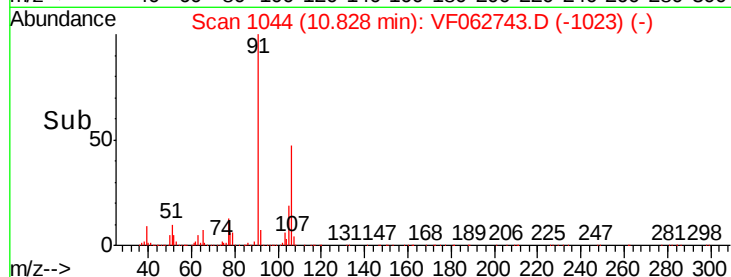
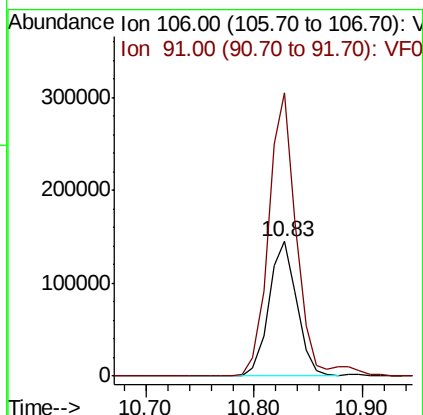
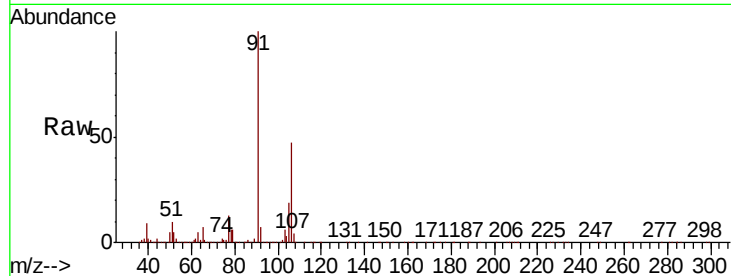




#69
o-Xylene
Concen: 21.904 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

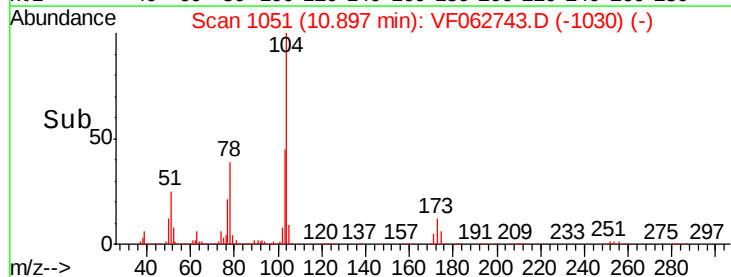
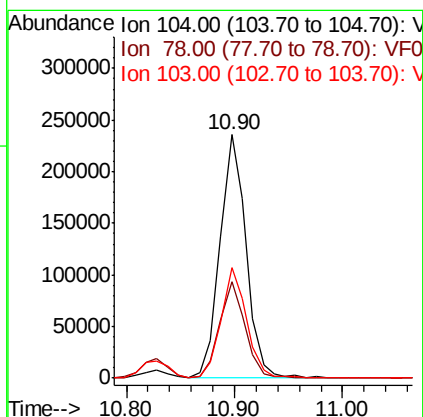
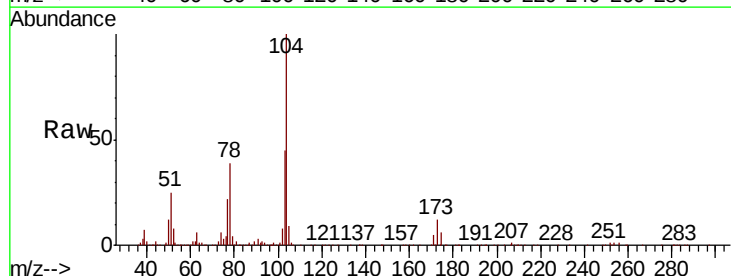
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

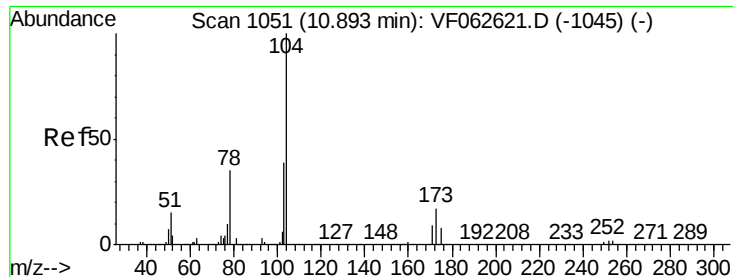
Tot Ion:106 Resp: 263757
Ion Ratio Lower Upper
106 100
91 210.8 100.2 300.5



#70
Styrene
Concen: 21.474 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion:104 Resp: 393028
Ion Ratio Lower Upper
104 100
78 39.4 31.9 47.9
103 45.3 36.1 54.1





#71

Bromoform

Concen: 20.463 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

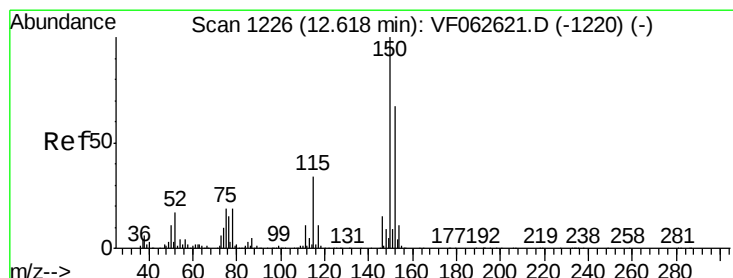
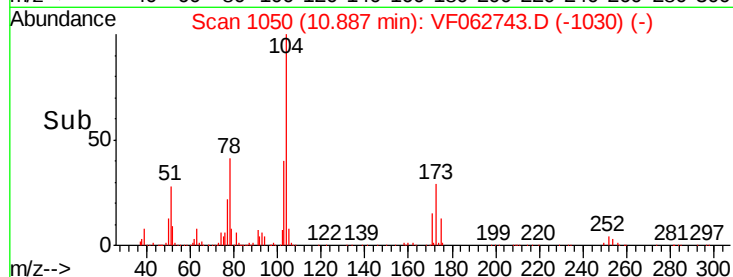
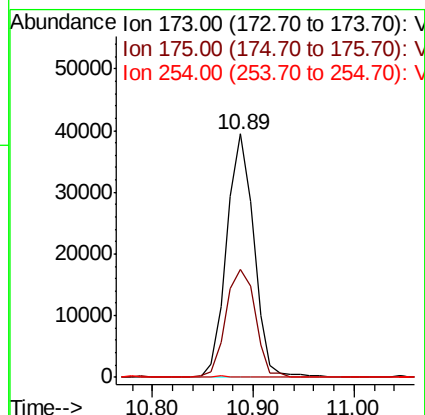
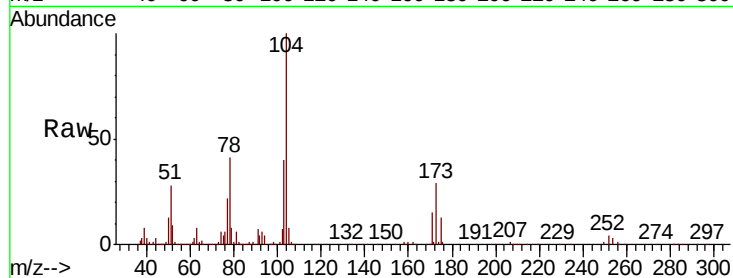
Tot Ion:173 Resp: 73666

Ion Ratio Lower Upper

173 100

175 44.5 25.3 75.9

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

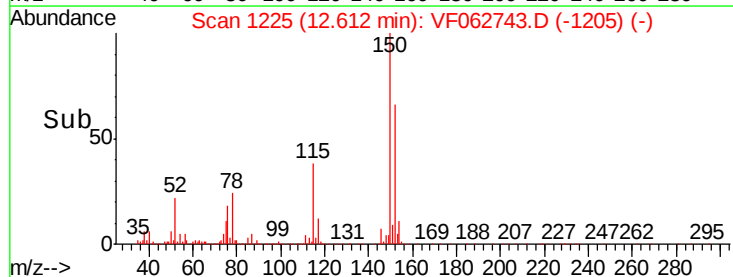
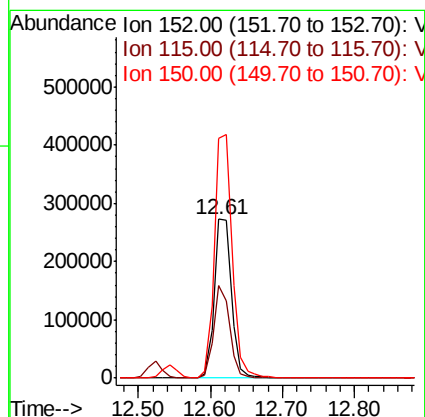
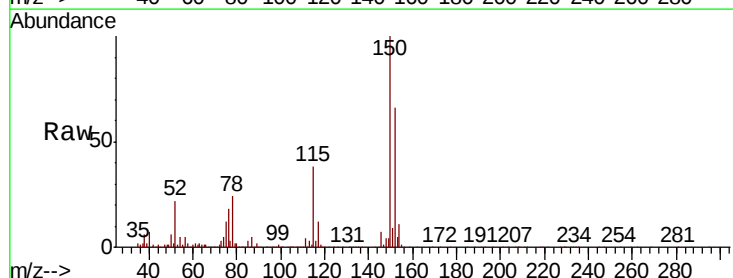
Tgt Ion:152 Resp: 447596

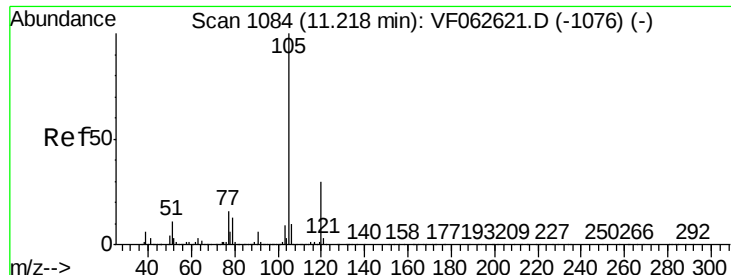
Ion Ratio Lower Upper

152 100

115 57.8 25.2 75.6

150 151.1 0.0 306.2





#73

Isopropylbenzene

Concen: 22.235 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

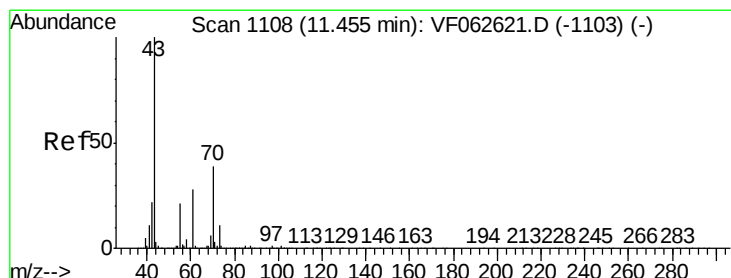
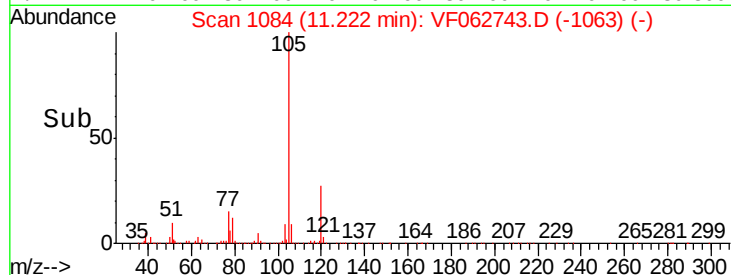
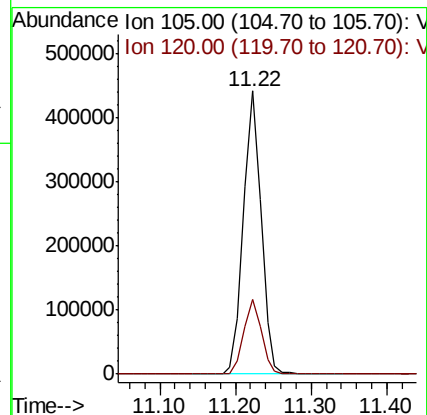
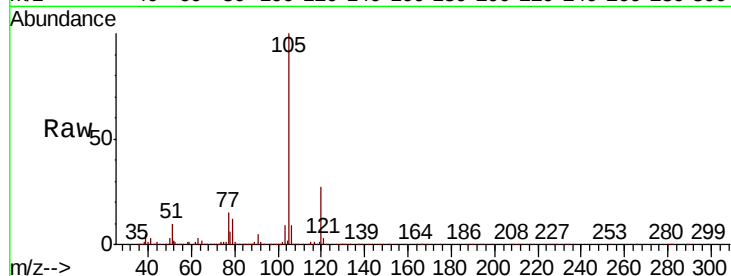
VF0524SBS01

Tot Ion:105 Resp: 713298

Ion Ratio Lower Upper

105 100

120 26.6 14.8 44.4



#74

N-ethyl acetate

Concen: 19.545 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Tgt Ion: 43 Resp: 186365

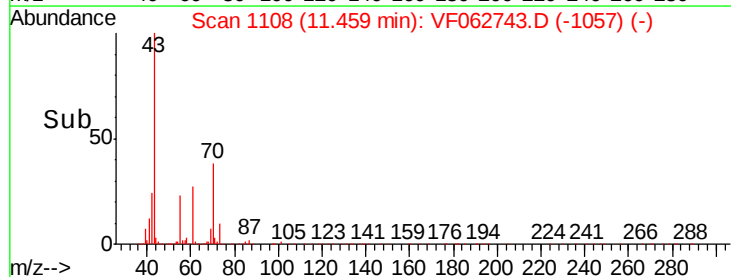
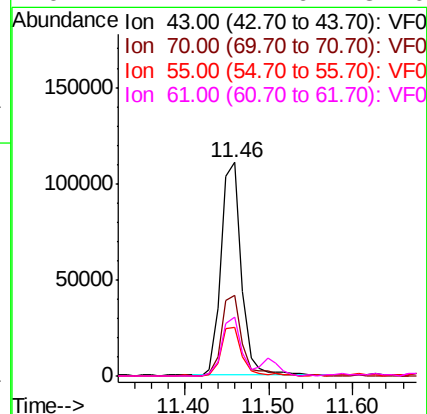
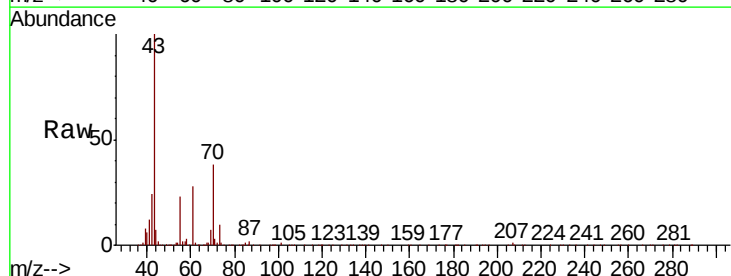
Ion Ratio Lower Upper

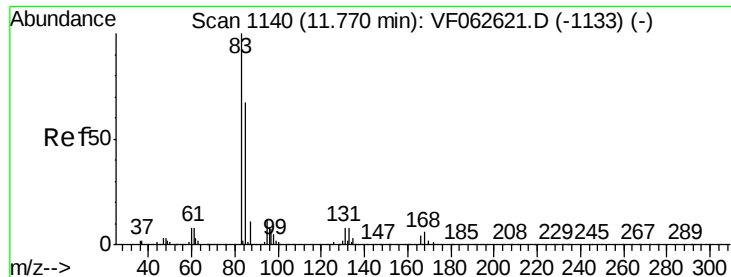
43 100

70 38.1 30.9 46.3

55 23.0 17.0 25.4

61 27.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.567 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

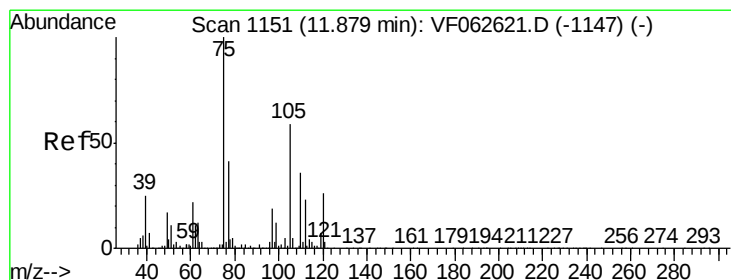
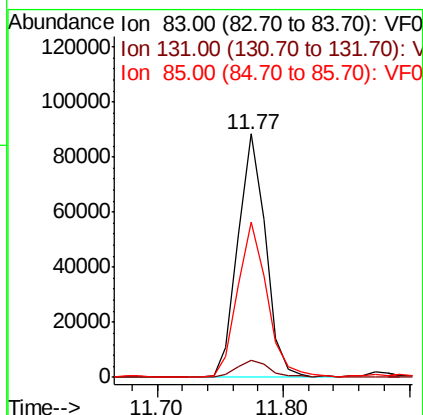
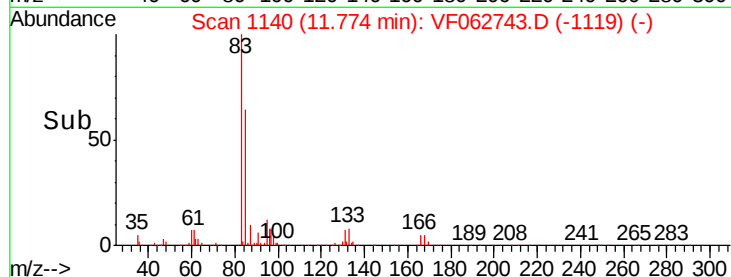
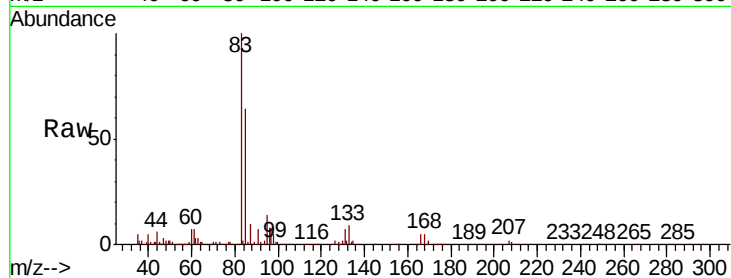
Tot Ion: 83 Resp: 134836

Ion Ratio Lower Upper

83 100

131 7.2 4.0 12.0

85 63.7 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 19.483 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062743.D

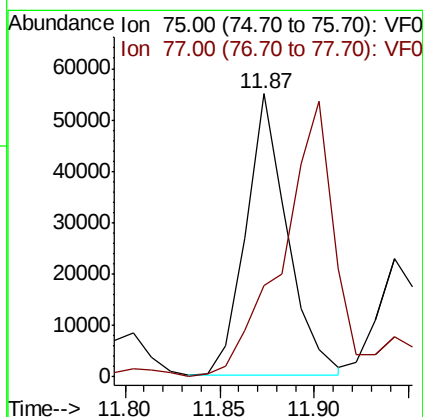
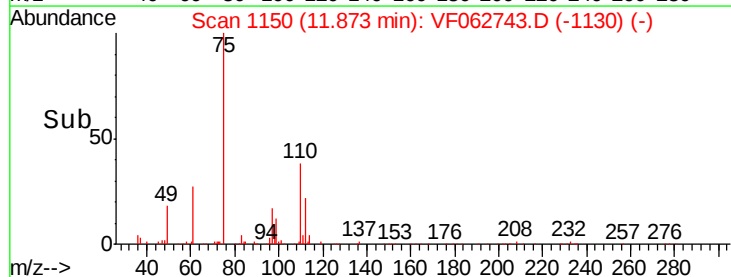
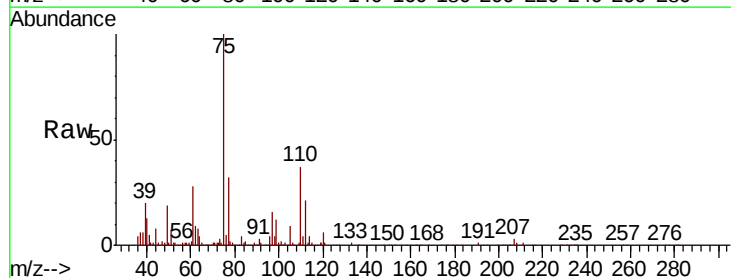
Acq: 24 May 2019 13:18

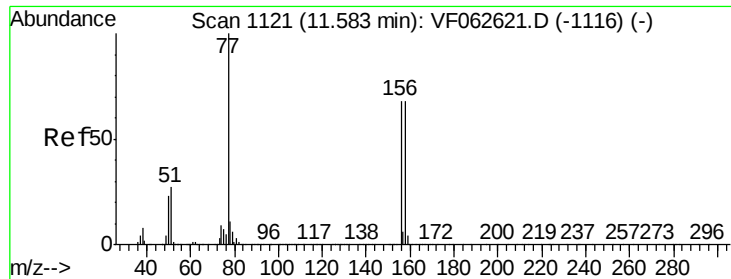
Tgt Ion: 75 Resp: 83926

Ion Ratio Lower Upper

75 100

77 32.5 20.6 61.8





#77

Bromobenzene

Concen: 20.890 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

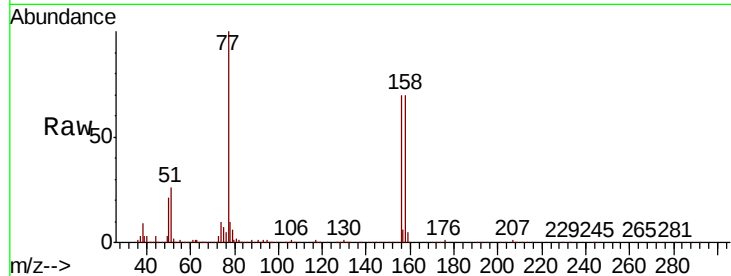
Tot Ion:156 Resp: 166575

Ion Ratio Lower Upper

156 100

77 142.9 73.6 220.8

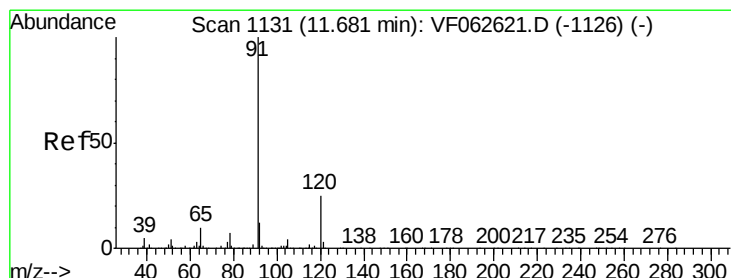
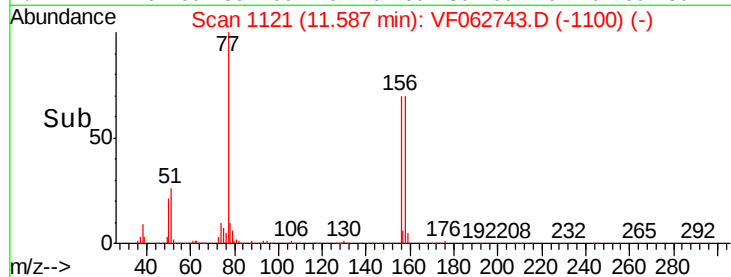
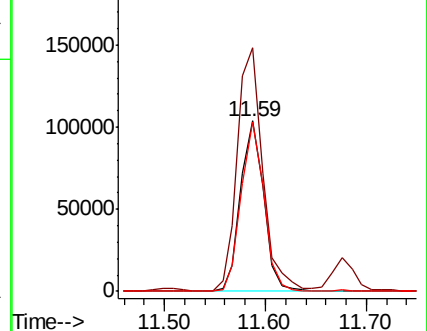
158 99.5 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.553 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062743.D

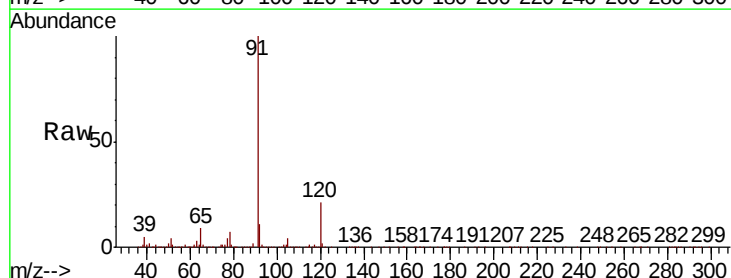
Acq: 24 May 2019 13:18

Tgt Ion: 91 Resp: 856246

Ion Ratio Lower Upper

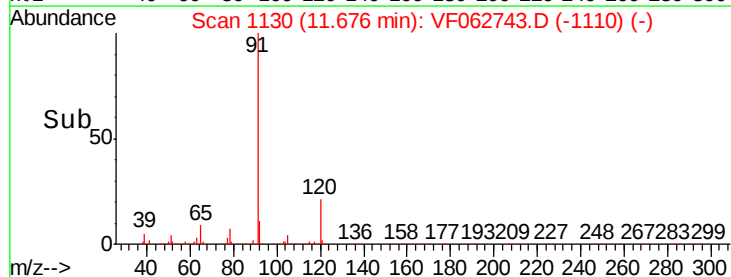
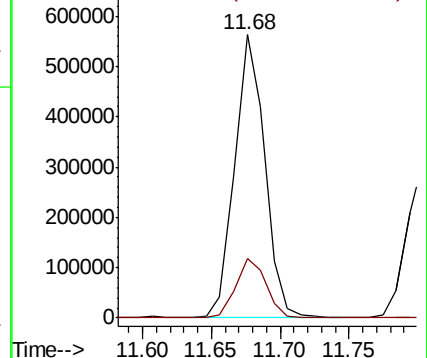
91 100

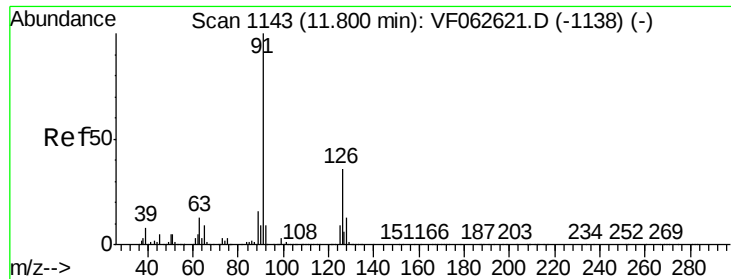
120 21.1 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

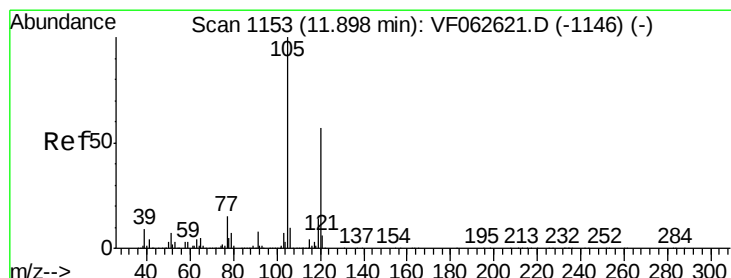
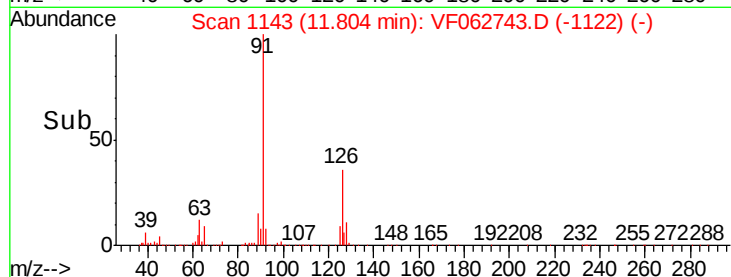
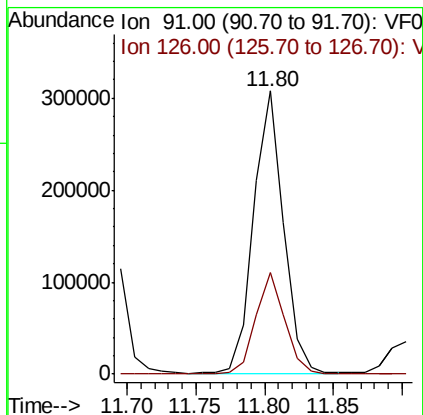
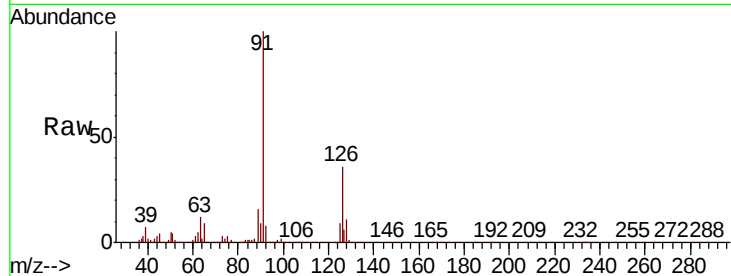




#79
 2-Chlorotoluene
 Concen: 21.670 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

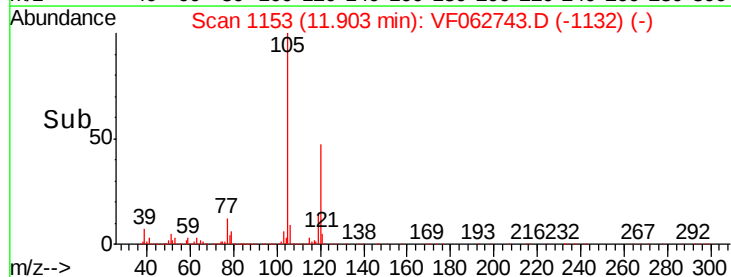
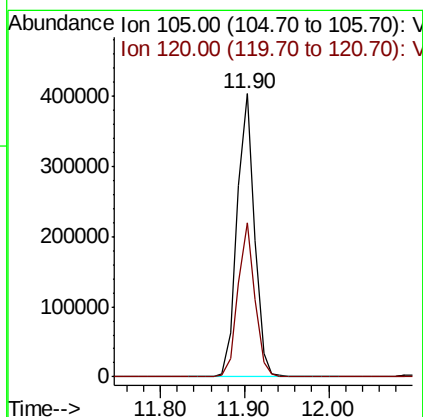
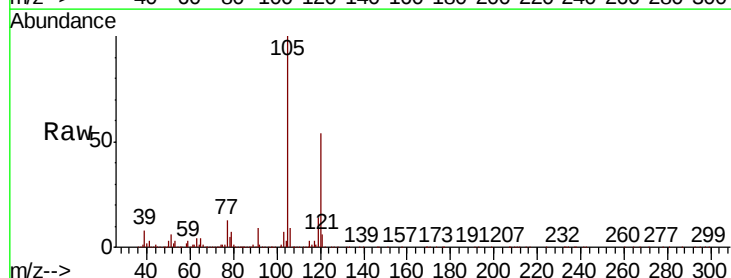
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

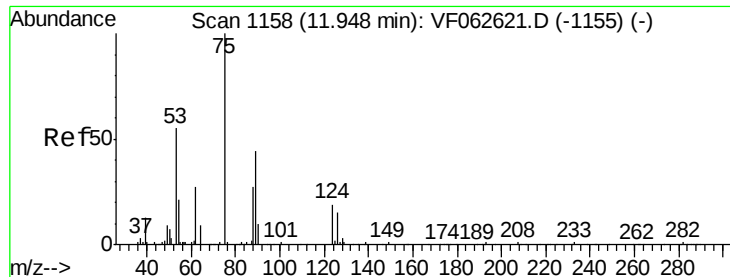
Tot Ion: 91 Resp: 463652
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.615 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion: 105 Resp: 581736
 Ion Ratio Lower Upper
 105 100
 120 54.3 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 25.342 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062743.D

Acq: 24 May 2019 13:18

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

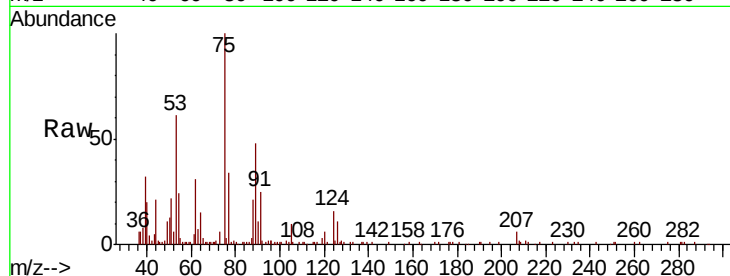
Tot Ion: 75 Resp: 48525

Ion Ratio Lower Upper

75 100

53 61.2 46.9 70.3

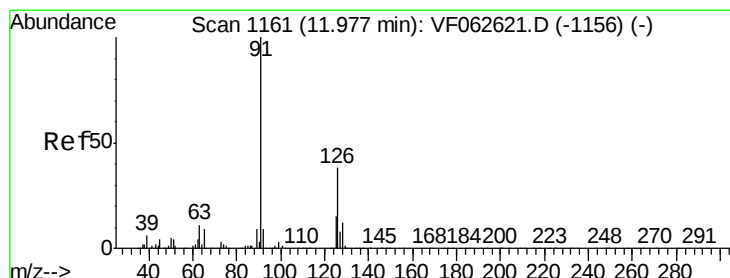
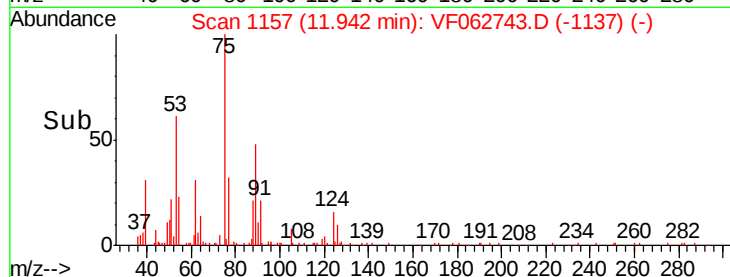
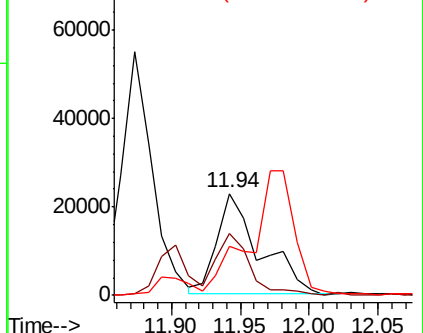
89 48.4 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.177 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062743.D

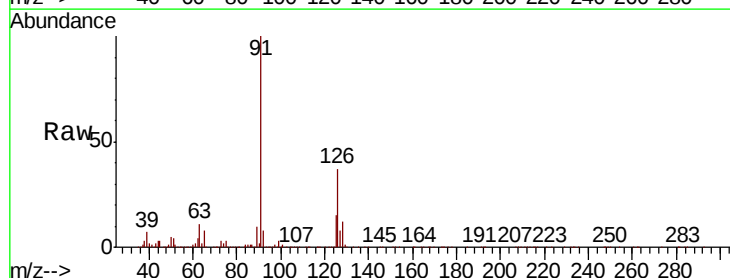
Acq: 24 May 2019 13:18

Tgt Ion: 91 Resp: 467929

Ion Ratio Lower Upper

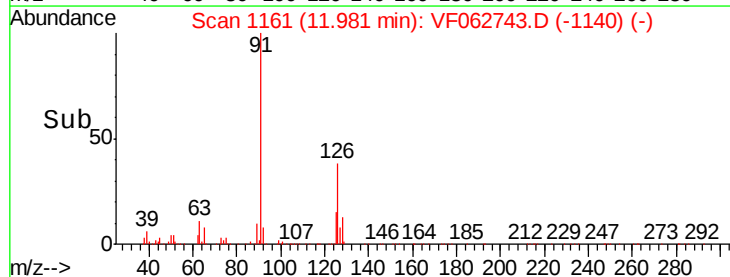
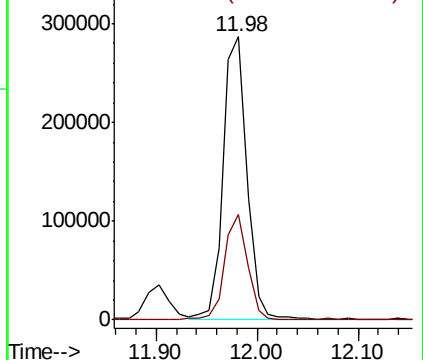
91 100

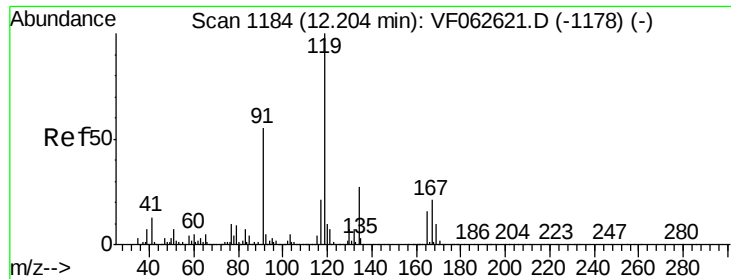
126 37.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

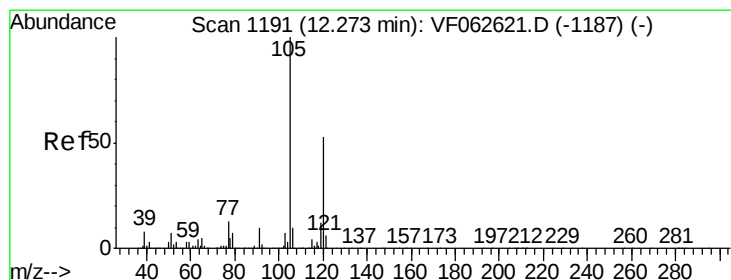
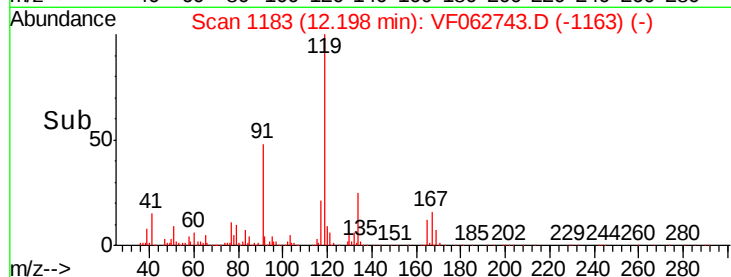
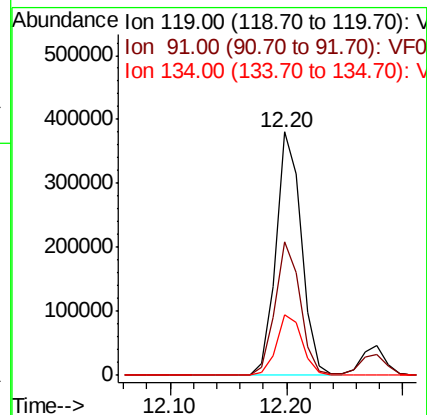
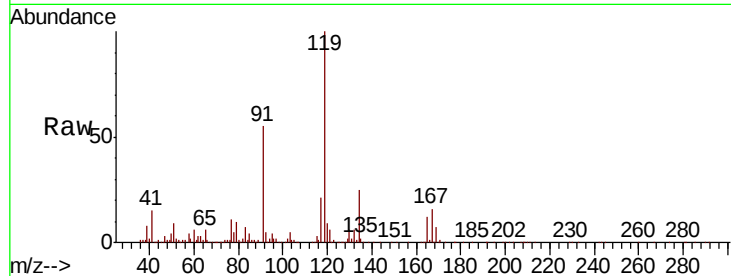




#83
tert-Butylbenzene
Concen: 22.120 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

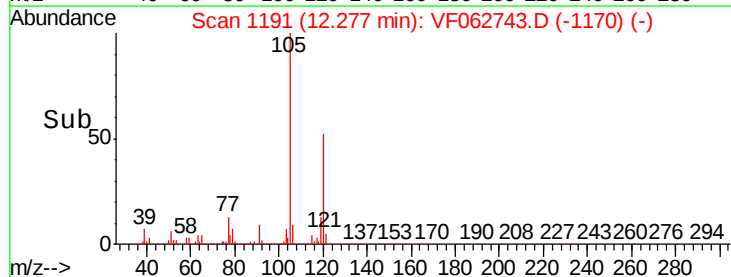
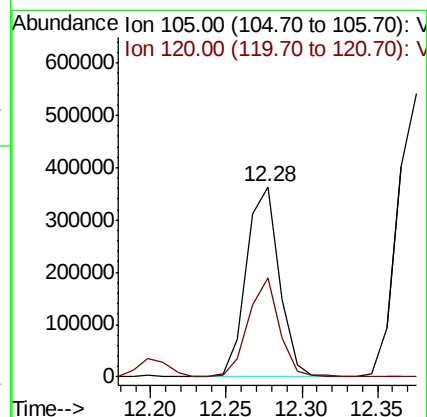
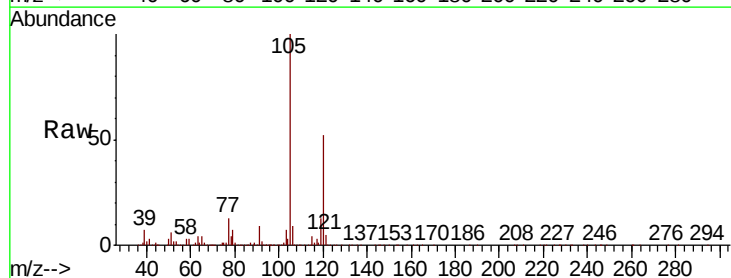
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

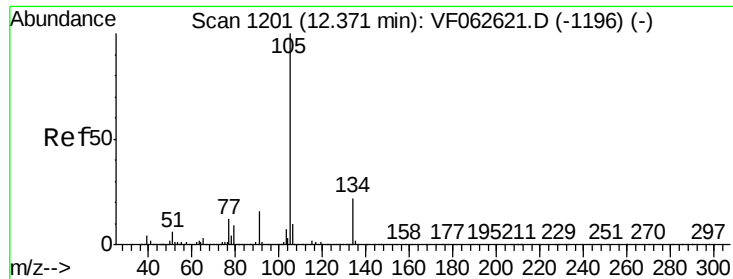
Tot Ion:119 Resp: 577279
Ion Ratio Lower Upper
119 100
91 54.7 27.3 81.9
134 25.0 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 21.916 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion:105 Resp: 545635
Ion Ratio Lower Upper
105 100
120 51.8 26.7 80.1

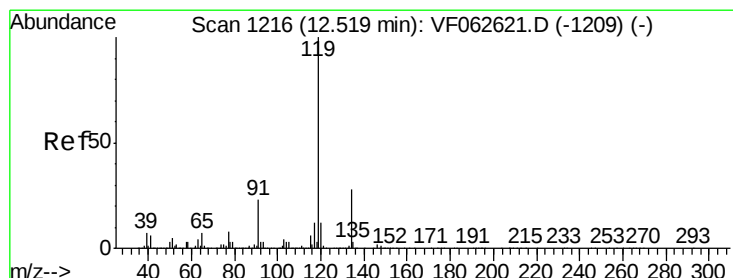
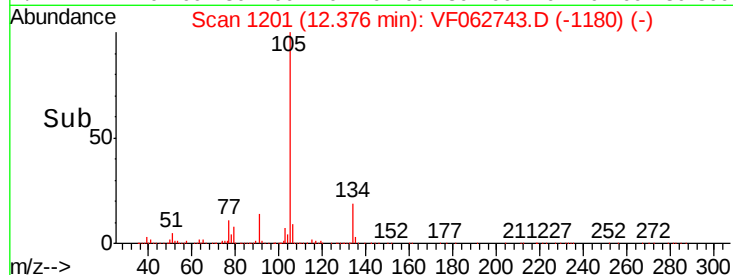
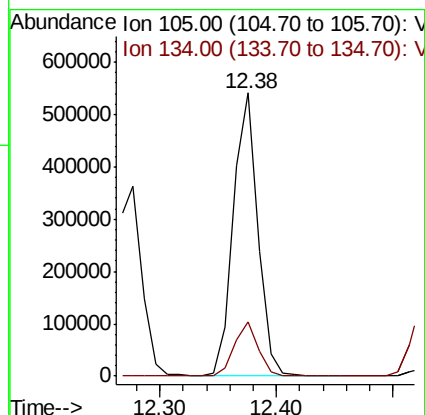
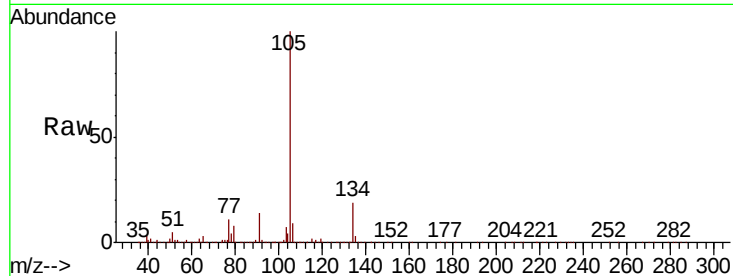




#85
 sec-Butylbenzene
 Concen: 22.557 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

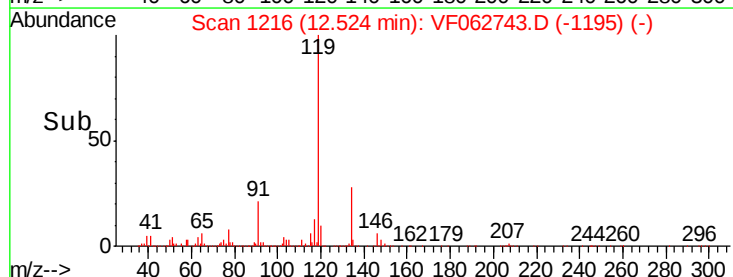
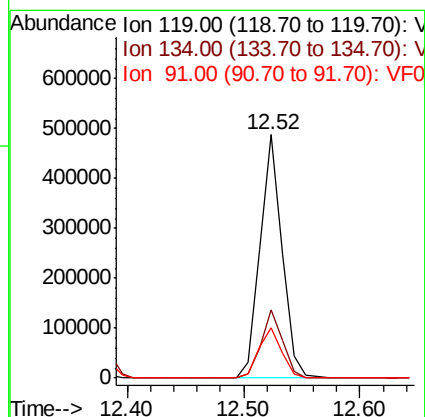
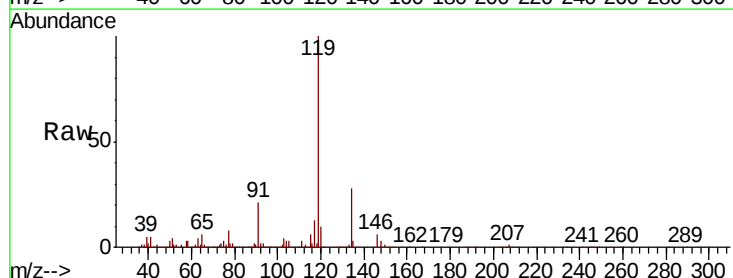
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

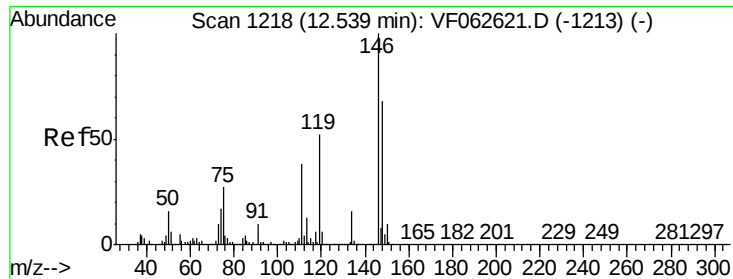
Tot Ion:105 Resp: 790018
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 21.693 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion:119 Resp: 640303
 Ion Ratio Lower Upper
 119 100
 134 27.8 14.1 42.3
 91 20.9 11.4 34.2

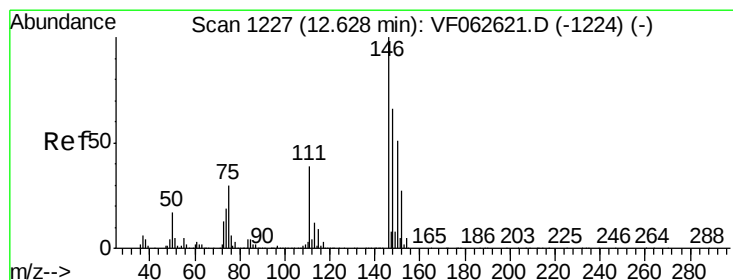
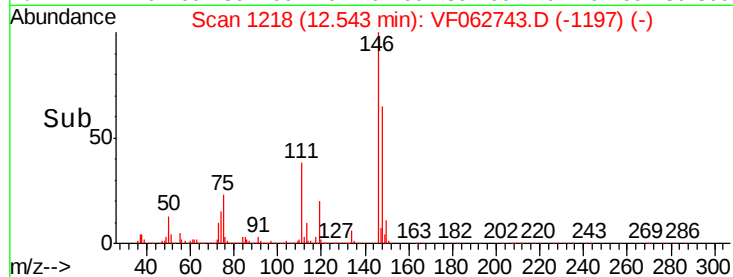
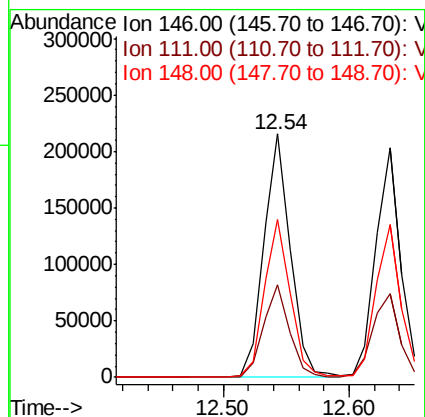
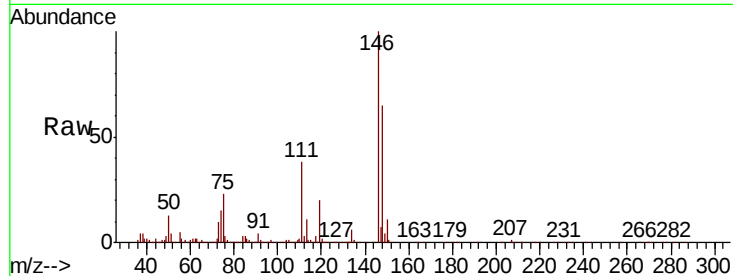




#87
 1,3-Dichlorobenzene
 Concen: 21.919 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

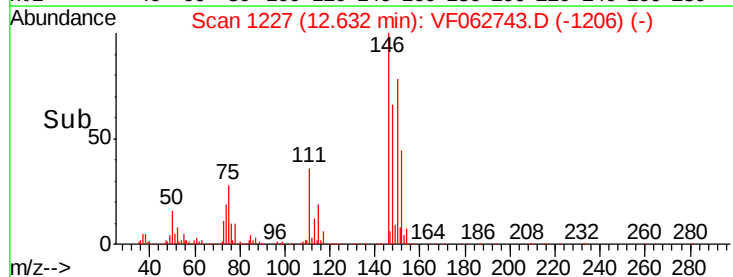
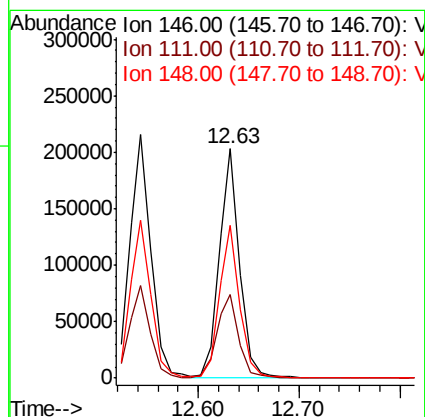
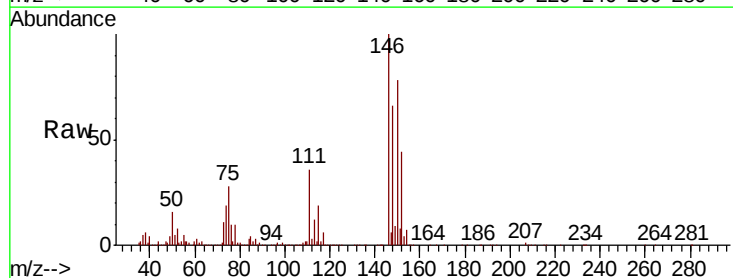
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

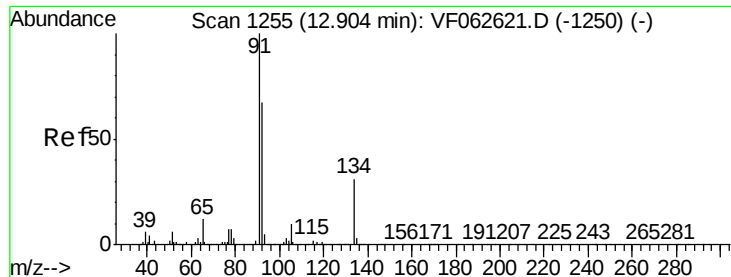
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.6	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 20.992 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.4	58.2
148	66.5	33.2	99.6

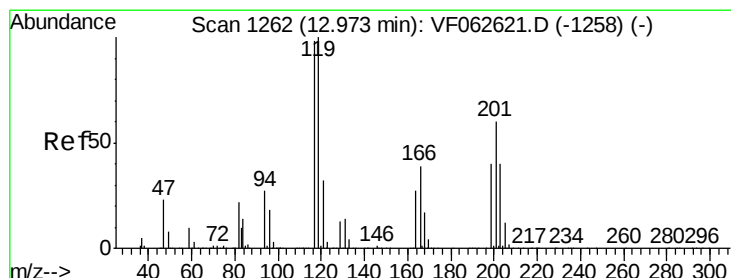
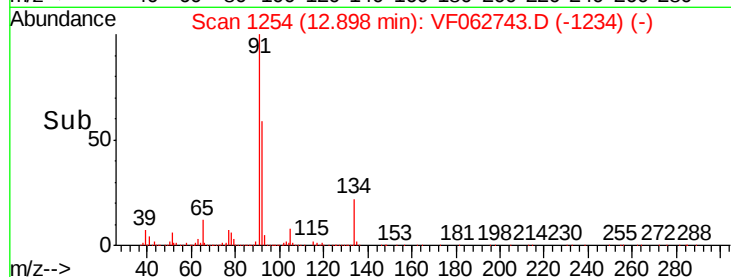
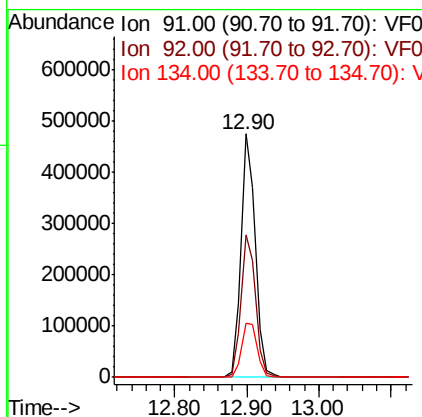
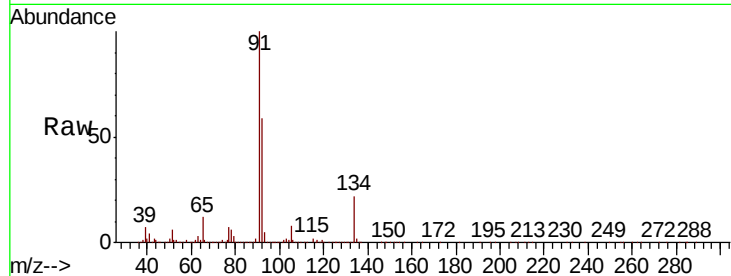




#89
n-Butylbenzene
Concen: 22.748 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

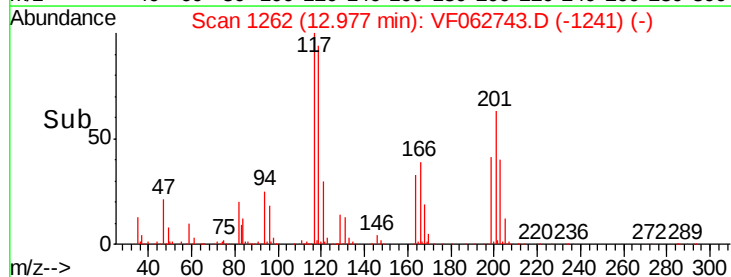
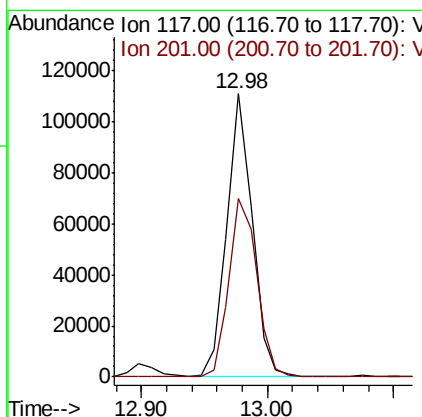
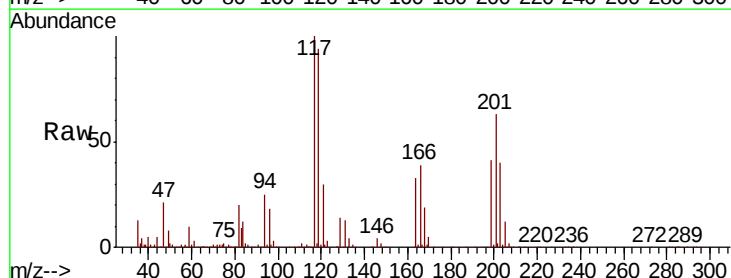
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

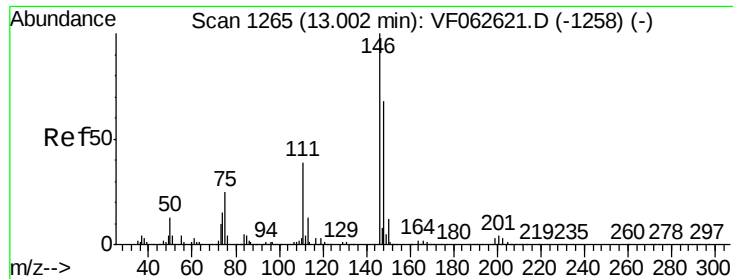
Tot Ion: 91 Resp: 662007
Ion Ratio Lower Upper
91 100
92 58.6 33.3 99.8
134 22.2 15.4 46.4



#90
Hexachloroethane
Concen: 21.929 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion: 117 Resp: 155269
Ion Ratio Lower Upper
117 100
201 64.6 30.7 92.1

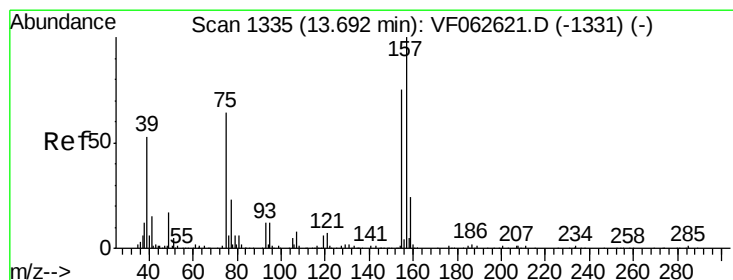
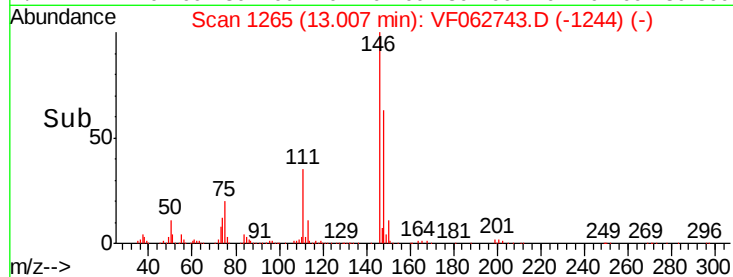
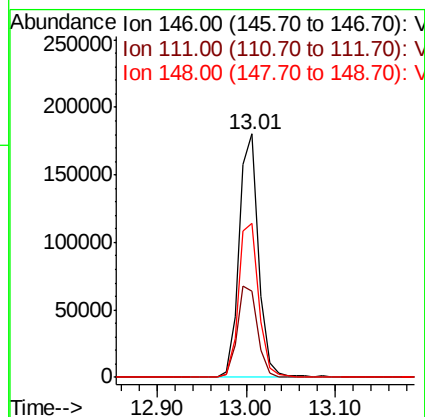
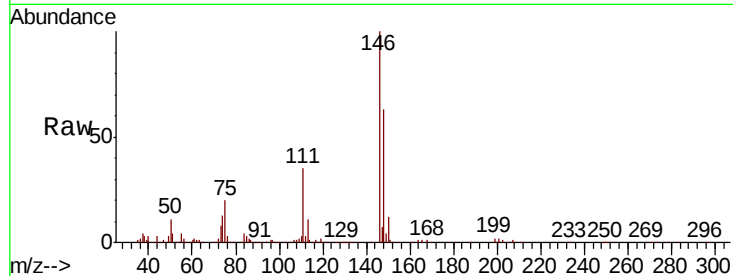




#91
 1,2-Dichlorobenzene
 Concen: 21.484 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

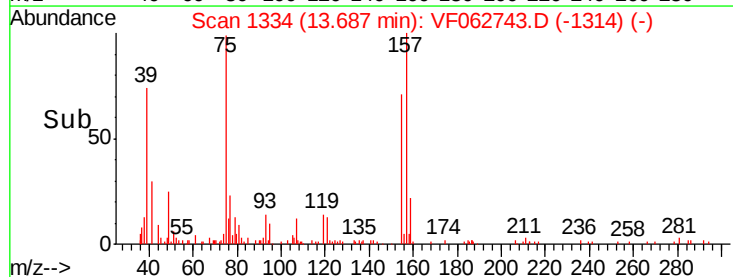
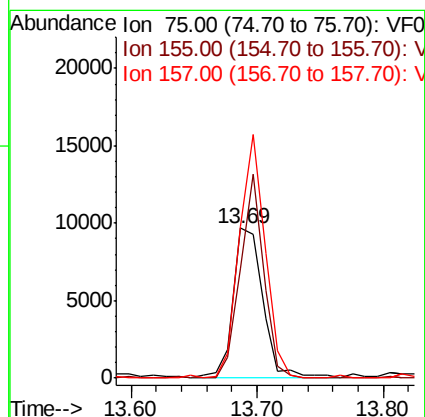
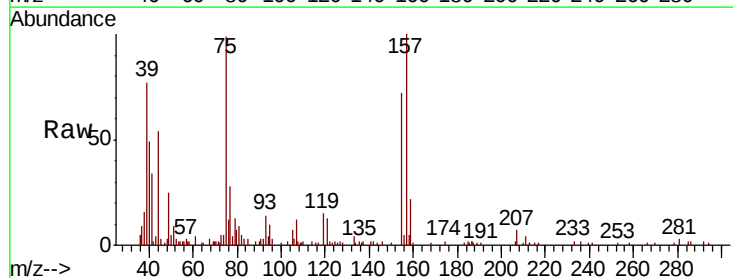
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

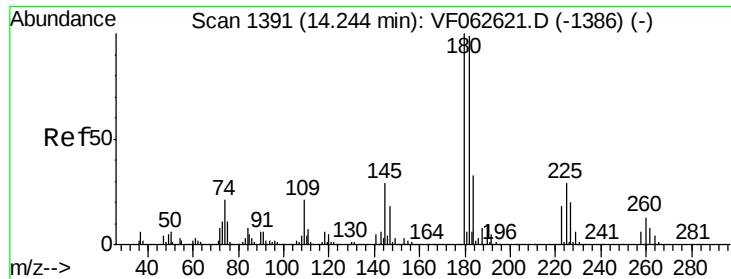
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	19.8	59.3
148	63.3	34.1	102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.207 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	58.1	174.3
157	101.1	77.8	233.4

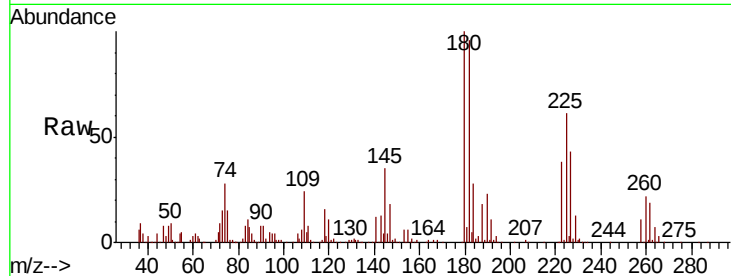




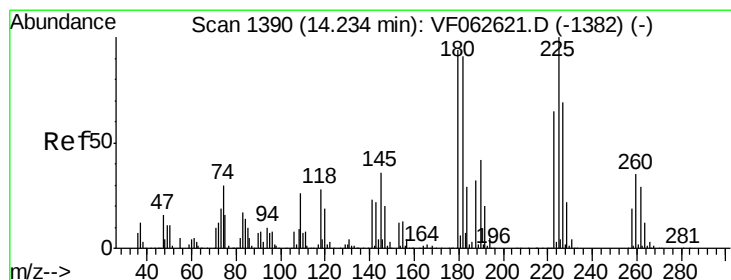
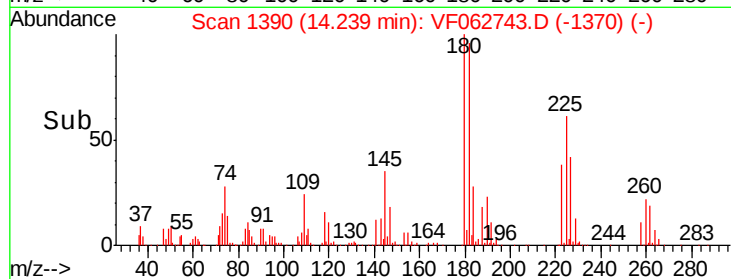
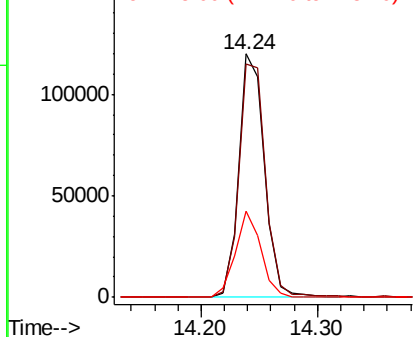
#93
 1,2,4-Trichlorobenzene
 Concen: 19.793 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

Tot Ion:180 Resp: 182194
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.7 149.1
 145 35.2 14.6 44.0

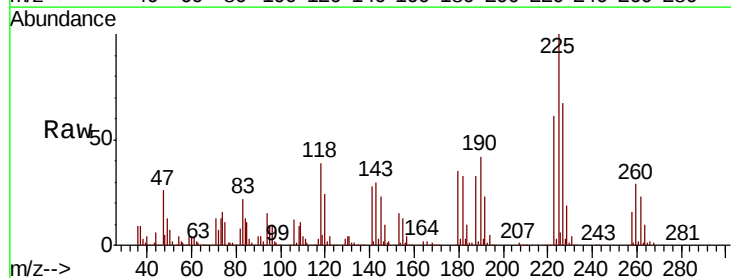


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

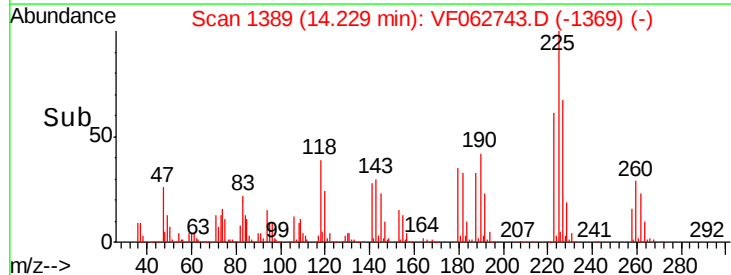
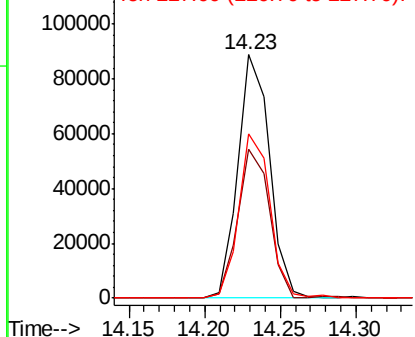


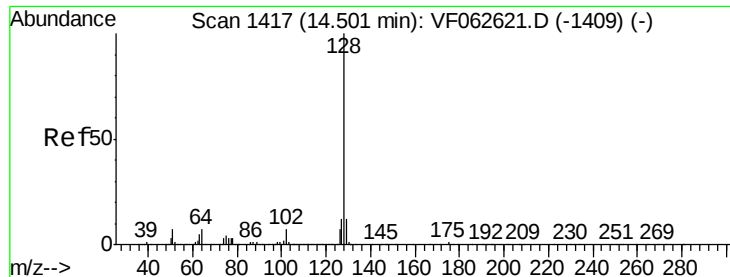
#94
 Hexachlorobutadiene
 Concen: 20.106 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062743.D
 Acq: 24 May 2019 13:18

Tgt Ion:225 Resp: 129159
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.5 97.4
 227 67.2 34.5 103.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

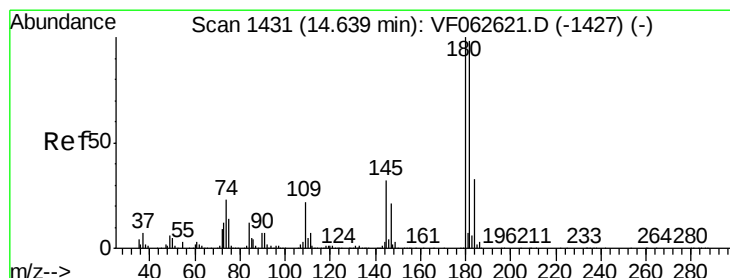
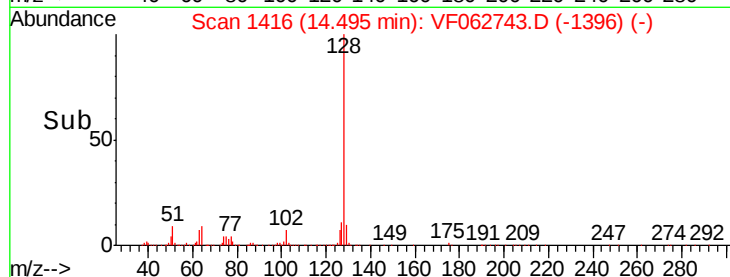
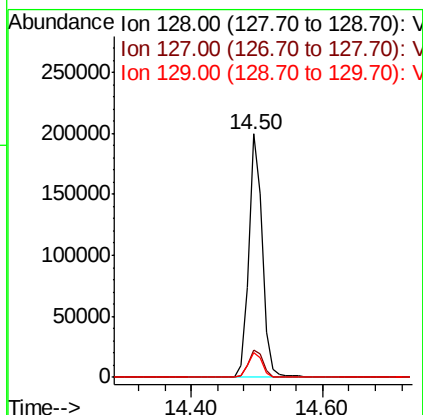
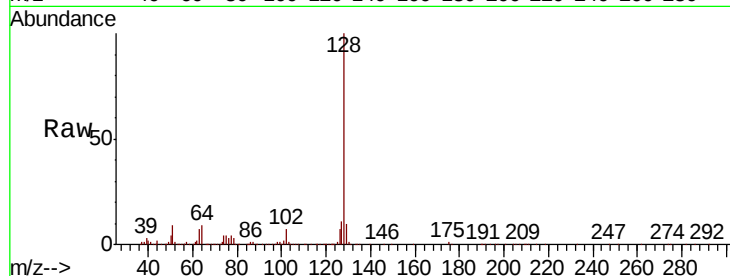




#95
Naphthalene
Concen: 17.216 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

Tot Ion:128 Resp: 287908
Ion Ratio Lower Upper
128 100
127 11.4 9.7 14.5
129 10.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 18.929 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062743.D
Acq: 24 May 2019 13:18

Tgt Ion:180 Resp: 165045
Ion Ratio Lower Upper
180 100
182 96.8 48.9 146.7
145 28.8 16.1 48.2

