

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062742.D
 Acq On : 24 May 2019 12:50
 Operator : FY/SY
 Sample : VF0524SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBSD01

Quant Time: May 24 23:02:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	702326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1314734	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	902634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	441661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	199908	40.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	80.56%		
35) Dibromofluoromethane	4.32	113	398890	39.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	79.30%		
50) Toluene-d8	7.72	98	923442	38.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.88%		
62) 4-Bromofluorobenzene	11.50	95	330023	36.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	72.46%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	177824	18.606	ug/l	99
3) Chloromethane	1.14	50	147859	16.801	ug/l	95
4) Vinyl Chloride	1.18	62	145994	18.022	ug/l	95
5) Bromomethane	1.39	94	81870	18.474	ug/l	99
6) Chloroethane	1.45	64	54006	18.152	ug/l	90
7) Trichlorofluoromethane	1.55	101	214965	19.763	ug/l	98
8) Diethyl Ether	1.71	74	38545	17.888	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	139959	20.208	ug/l	99
10) Methyl Iodide	1.99	142	275813	20.272	ug/l	98
11) Tert butyl alcohol	2.70	59	31911	97.391	ug/l #	84
12) 1,1-Dichloroethene	1.87	96	127128	20.150	ug/l	98
13) Acrolein	2.10	56	27817	81.329	ug/l	92
14) Allyl chloride	2.20	41	103681	18.157	ug/l	95
15) Acrylonitrile	3.09	53	86941	94.064	ug/l	92
16) Acetone	2.35	43	104635	81.266	ug/l	94
17) Carbon Disulfide	1.91	76	344469	18.421	ug/l #	93
18) Methyl Acetate	2.47	43	39934	19.737	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	224701	19.923	ug/l	96
20) Methylene Chloride	2.29	84	35255	5.463	ug/l	93
21) trans-1,2-Dichloroethene	2.43	96	134287	21.776	ug/l	96
22) Diisopropyl ether	2.95	45	285061	20.241	ug/l	99
23) Vinyl Acetate	3.35	43	945742	99.548	ug/l	100
24) 1,1-Dichloroethane	3.02	63	211512	20.472	ug/l	99
25) 2-Butanone	4.54	43	299765	108.971	ug/l	97
26) 2,2-Dichloropropane	3.79	77	120679	20.415	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	213755	21.073	ug/l	94
28) Bromochloromethane	3.91	49	107902	18.622	ug/l	94
29) Tetrahydrofuran	4.28	42	107617	96.675	ug/l	99
30) Chloroform	4.05	83	308316	21.494	ug/l	93
31) Cyclohexane	3.88	56	279683	20.161	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	193519	20.314	ug/l	98
36) 1,1-Dichloropropene	4.48	75	233699	17.347	ug/l	96
37) Ethyl Acetate	4.32	43	86550	15.735	ug/l #	78
38) Carbon Tetrachloride	4.19	117	163977	16.184	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	292131	18.021	ug/l	94
40) Benzene	4.83	78	702955	19.153	ug/l	100
41) Methacrylonitrile	4.94	41	54471	18.888	ug/l	90
42) 1,2-Dichloroethane	5.14	62	127435	17.412	ug/l	95
43) Isopropyl Acetate	7.13	43	112492	15.786	ug/l #	88
44) Trichloroethene	5.69	130	195629	18.965	ug/l	100
45) 1,2-Dichloropropane	6.42	63	174900	18.878	ug/l	99
46) Dibromomethane	6.27	93	98593	18.414	ug/l	99
47) Bromodichloromethane	6.56	83	207659	18.682	ug/l #	97
48) Methyl methacrylate	6.88	41	56121	15.067	ug/l	87
49) 1,4-Dioxane	6.89	88	15048	315.428	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	405918	83.332	ug/l	95
52) Toluene	7.79	92	349586	18.162	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	166977	18.361	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	231001	18.146	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	104414	18.321	ug/l	97
56) Ethyl methacrylate	8.76	69	104253	15.355	ug/l	97
57) 1,3-Dichloropropane	9.00	76	174285	17.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	190917	86.386	ug/l	98
59) 2-Hexanone	9.63	43	299245	82.479	ug/l	97
60) Dibromochloromethane	8.87	129	133776	18.011	ug/l	98
61) 1,2-Dibromoethane	9.14	107	110883	18.318	ug/l	98
64) Tetrachloroethene	8.31	164	144293	20.178	ug/l	93
65) Chlorobenzene	9.94	112	363176	20.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	148102	20.809	ug/l	95
67) Ethyl Benzene	10.04	91	646591	20.994	ug/l	93
68) m/p-Xylenes	10.26	106	463046	40.003	ug/l	81
69) o-Xylene	10.82	106	240616	20.181	ug/l	100
70) Styrene	10.89	104	352520	19.453	ug/l	96
71) Bromoform	10.88	173	71361	20.020	ug/l #	92
73) Isopropylbenzene	11.22	105	636287	20.101	ug/l	94
74) N-amyl acetate	11.46	43	181771	19.250	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	125841	19.453	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	82092	19.313	ug/l	81
77) Bromobenzene	11.58	156	154466	19.631	ug/l	96
78) n-propylbenzene	11.67	91	766082	20.449	ug/l	90
79) 2-Chlorotoluene	11.80	91	428290	20.286	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	544921	21.469	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	48671	25.760	ug/l	96
82) 4-Chlorotoluene	11.98	91	449144	21.573	ug/l	96
83) tert-Butylbenzene	12.20	119	548182	21.287	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	528162	21.499	ug/l	93
85) sec-Butylbenzene	12.37	105	714691	20.680	ug/l	94
86) p-Isopropyltoluene	12.52	119	618817	21.247	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	304837	21.414	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	272548	20.402	ug/l	99
89) n-Butylbenzene	12.90	91	629666	21.928	ug/l	93
90) Hexachloroethane	12.97	117	146446	20.961	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	256320	20.200	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15535	20.130	ug/l	87

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

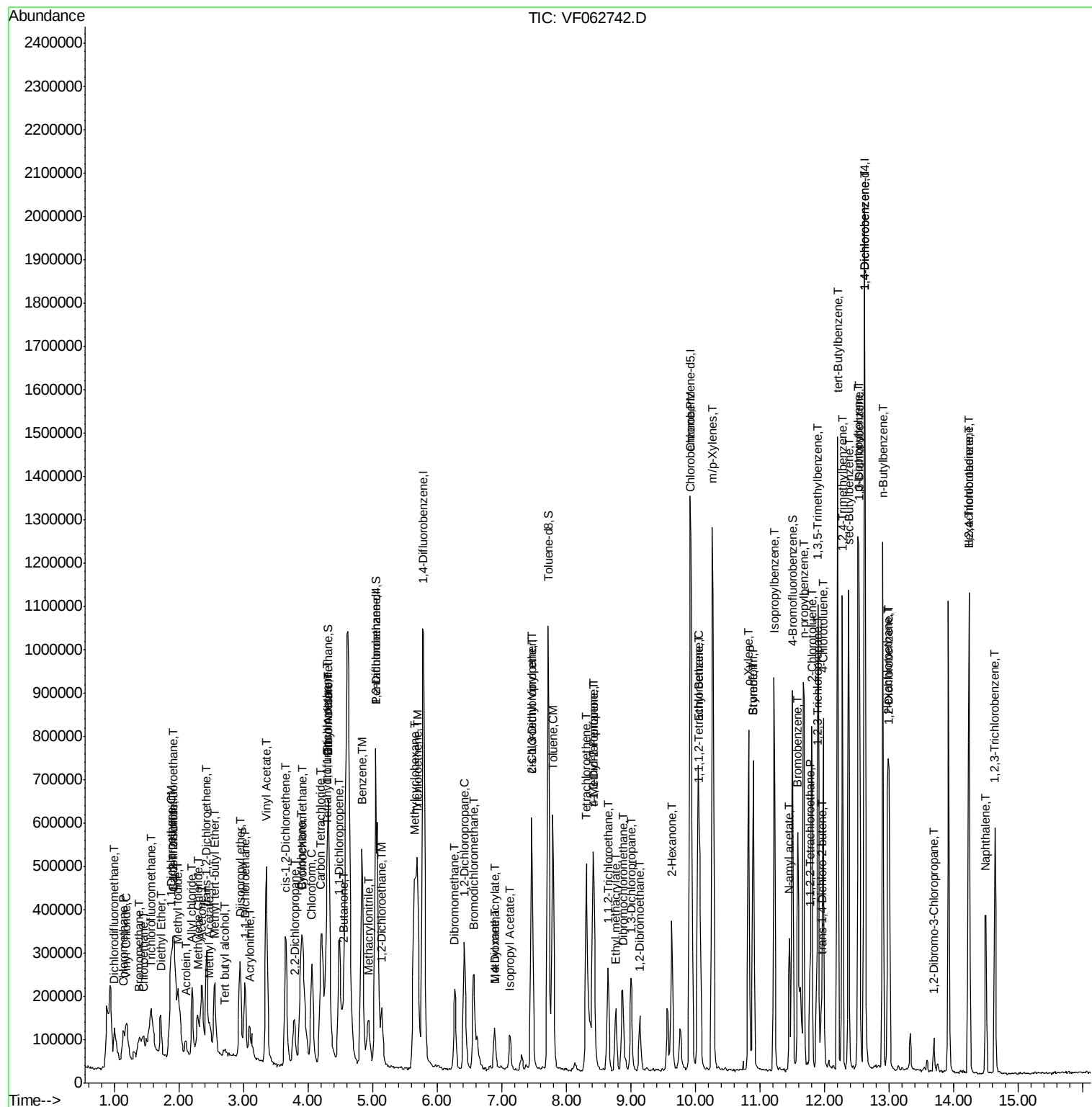
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	178611	19.664	ug/l	96
94) Hexachlorobutadiene	14.23	225	124078	19.574	ug/l	95
95) Naphthalene	14.50	128	281089	17.034	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	162512	18.889	ug/l	99

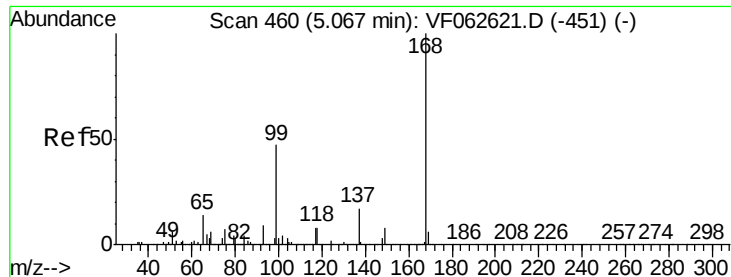
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

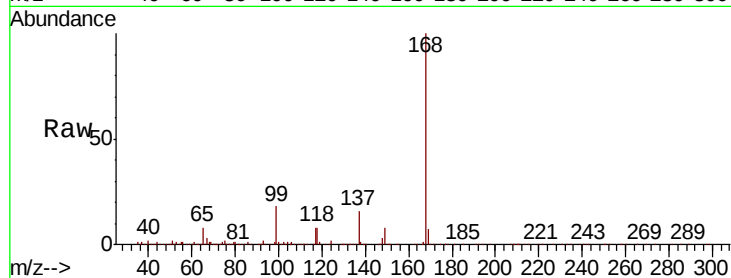
VF0524SBS01

Tot Ion:168 Resp: 702326

Ion Ratio Lower Upper

168 100

99 17.5 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

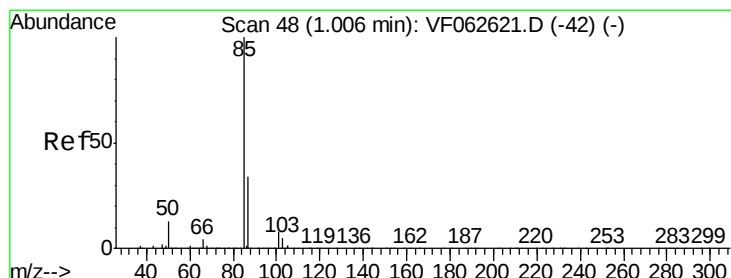
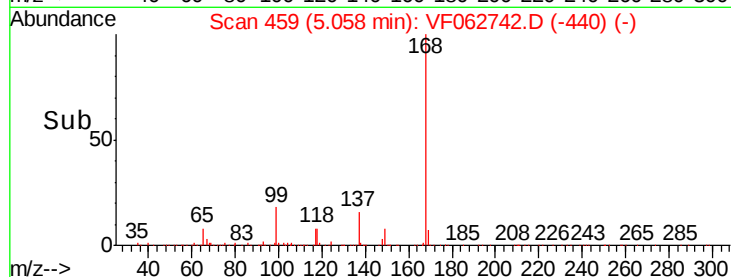
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.606 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062742.D

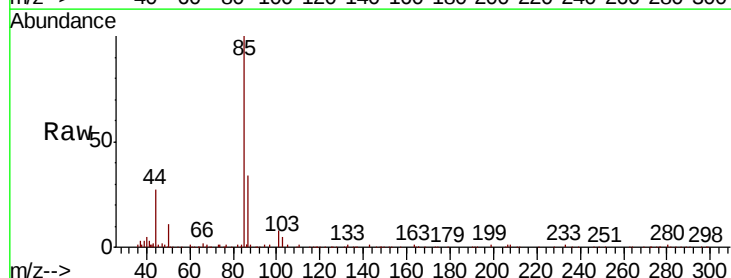
Acq: 24 May 2019 12:50

Tgt Ion: 85 Resp: 177824

Ion Ratio Lower Upper

85 100

87 34.3 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

50000

40000

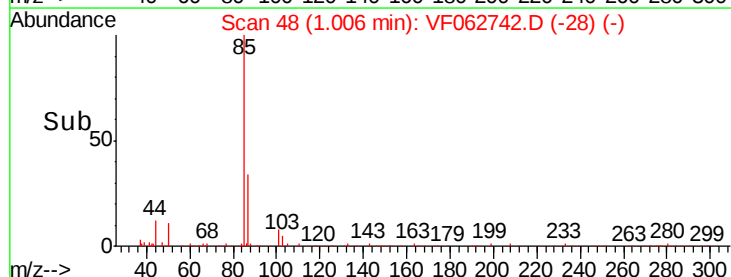
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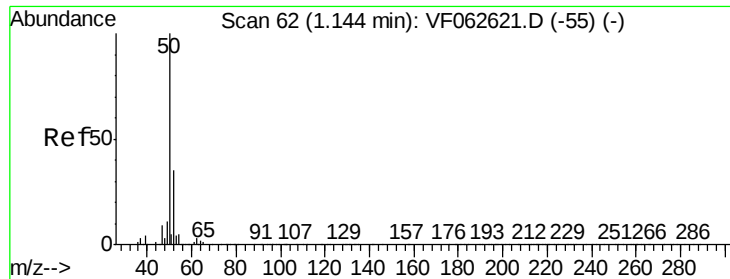
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.801 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

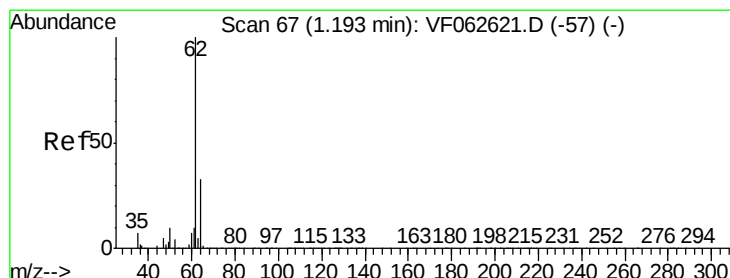
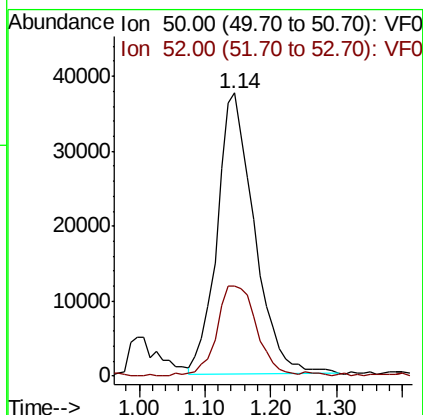
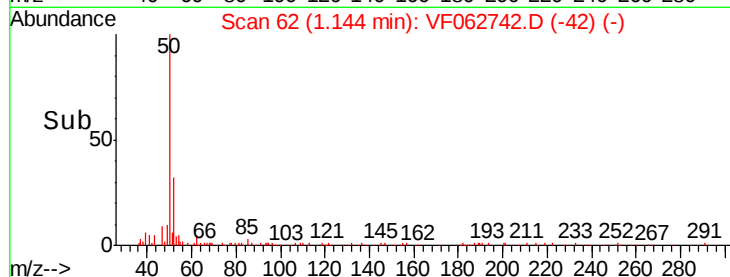
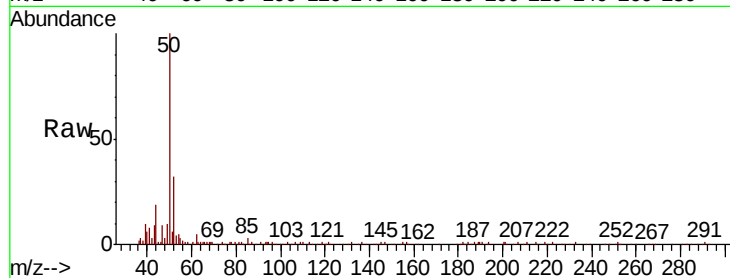
VF0524SBS01

Tot Ion: 50 Resp: 147859

Ion Ratio Lower Upper

50 100

52 31.8 27.5 41.3



#4

Vinyl Chloride

Concen: 18.022 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062742.D

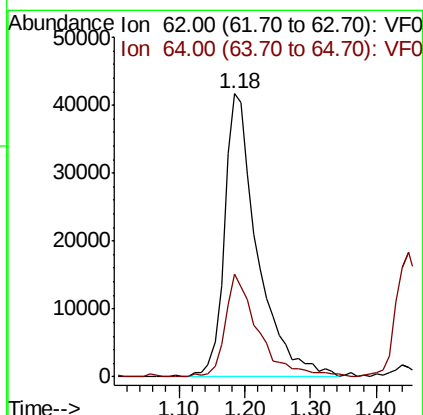
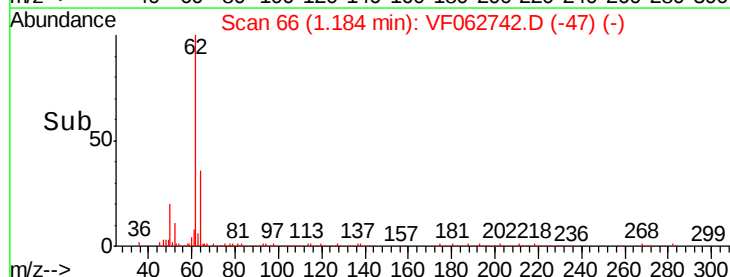
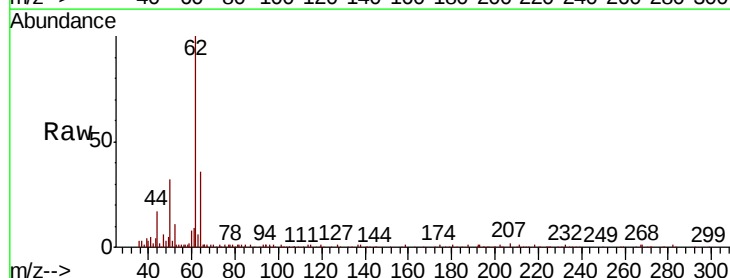
Acq: 24 May 2019 12:50

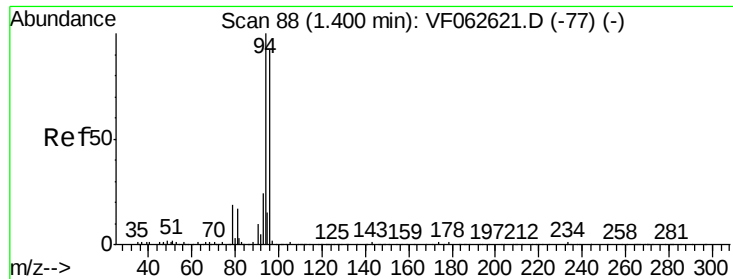
Tgt Ion: 62 Resp: 145994

Ion Ratio Lower Upper

62 100

64 36.4 26.7 40.1





#5

Bromomethane

Concen: 18.474 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

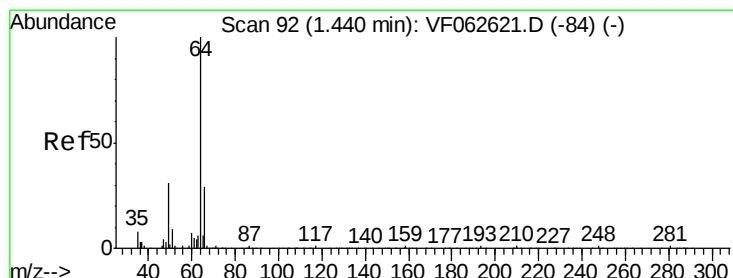
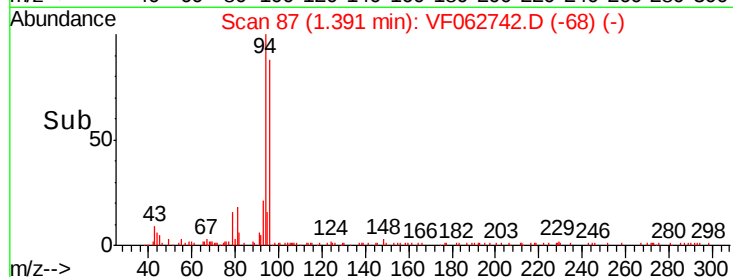
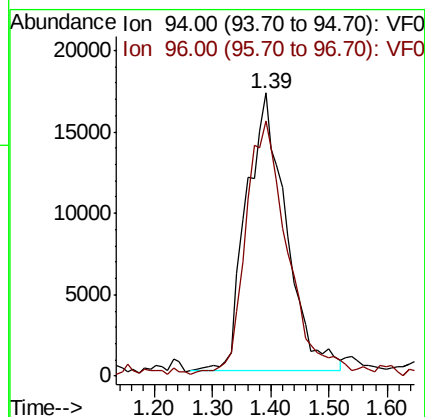
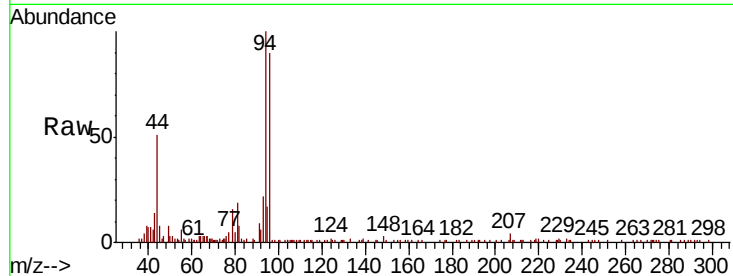
VF0524SBS01

Tot Ion: 94 Resp: 81870

Ion Ratio Lower Upper

94 100

96 90.3 73.2 109.8



#6

Chloroethane

Concen: 18.152 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062742.D

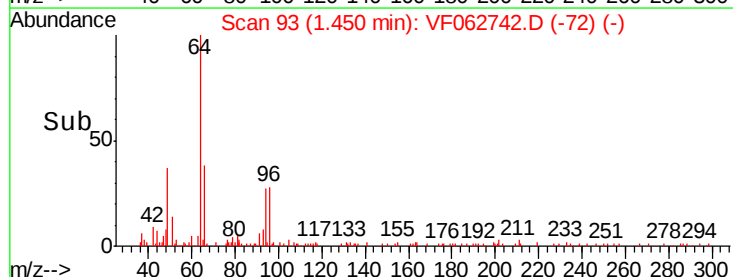
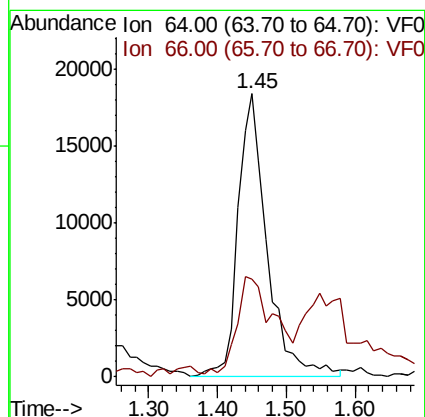
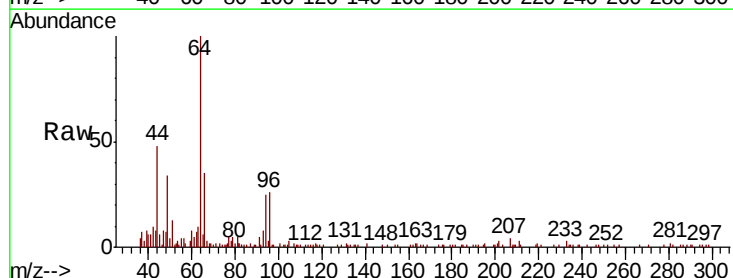
Acq: 24 May 2019 12:50

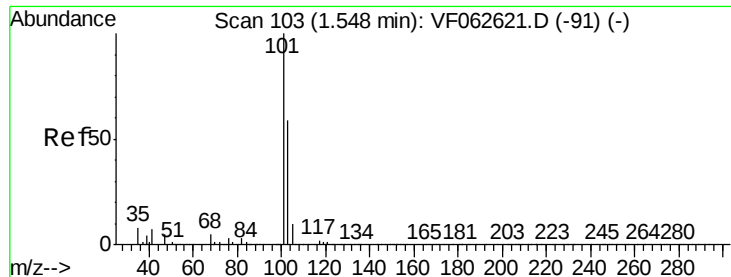
Tgt Ion: 64 Resp: 54006

Ion Ratio Lower Upper

64 100

66 34.7 23.4 35.2



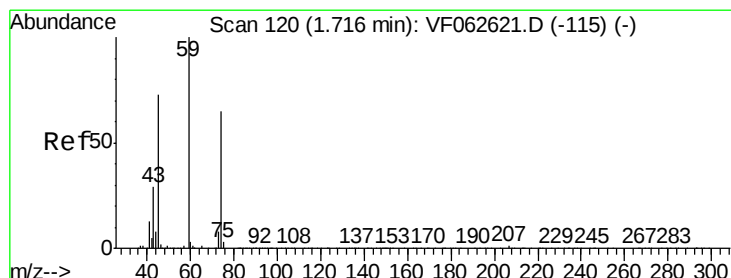
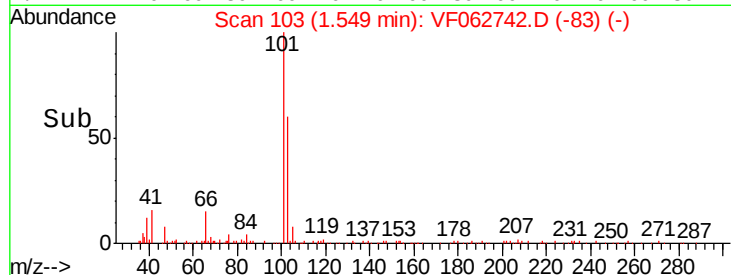
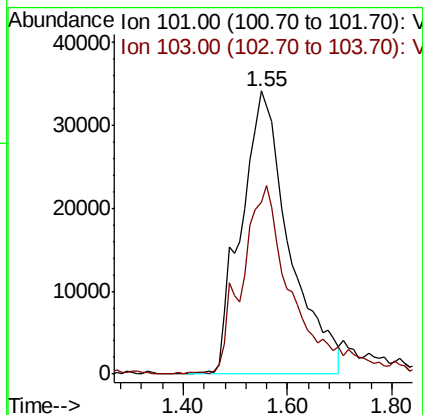
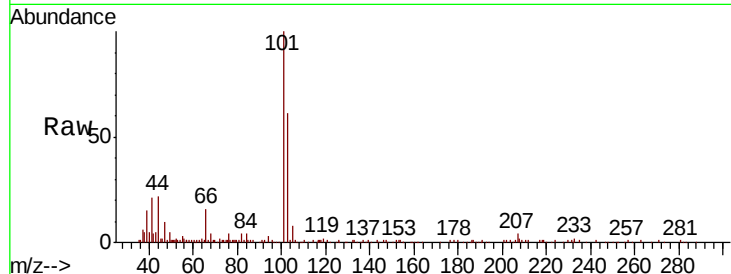


#7

Trichlorofluoromethane
Concen: 19.763 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

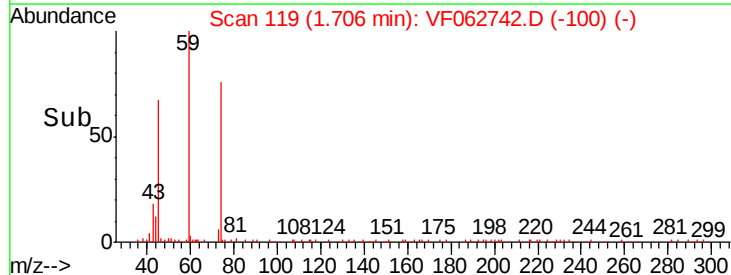
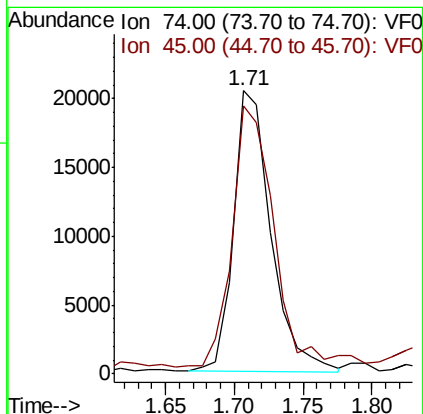
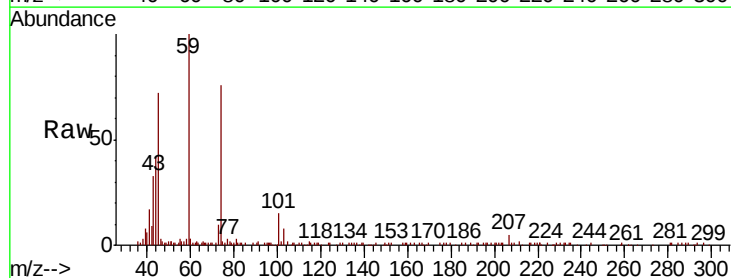
Tot Ion:101 Resp: 214965
Ion Ratio Lower Upper
101 100
103 61.0 47.3 70.9

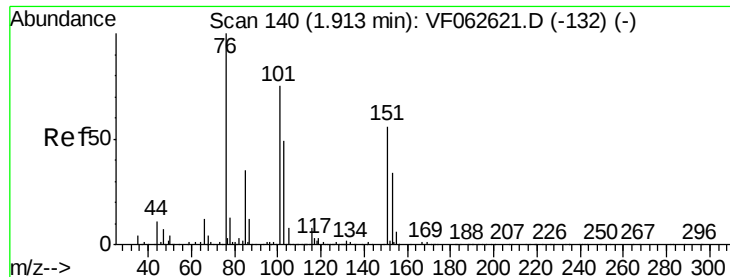


#8

Diethyl Ether
Concen: 17.888 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 74 Resp: 38545
Ion Ratio Lower Upper
74 100
45 94.7 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.208 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

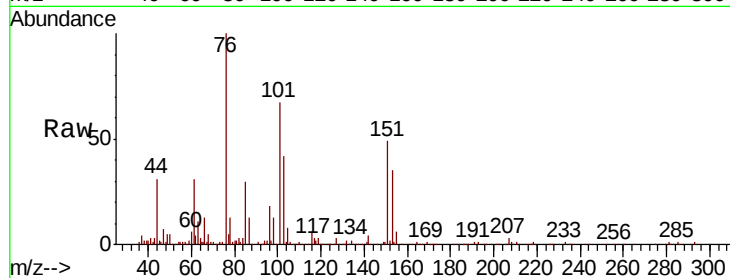
Tot Ion:101 Resp: 139959

Ion Ratio Lower Upper

101 100

85 44.7 37.1 55.7

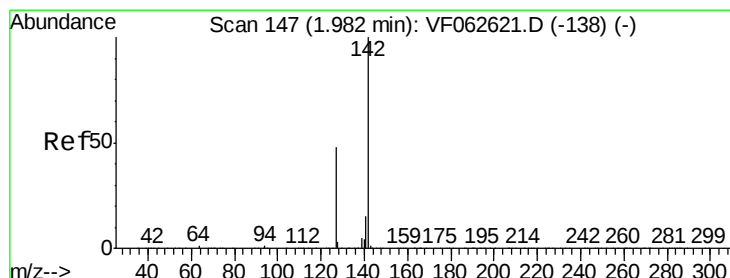
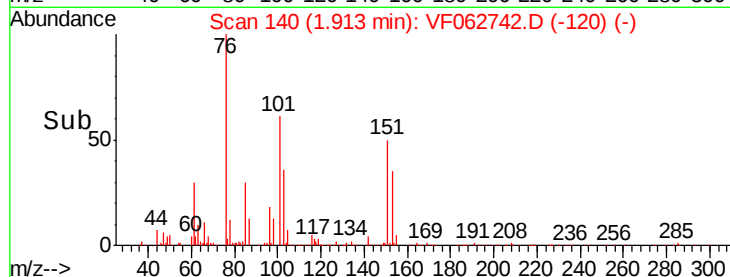
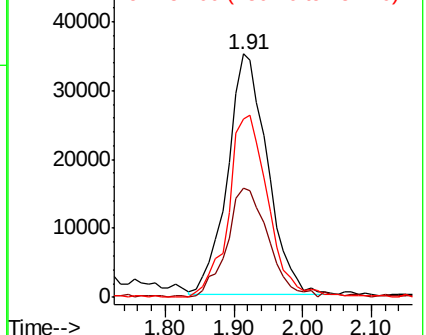
151 73.3 58.8 88.2



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: 20.272 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

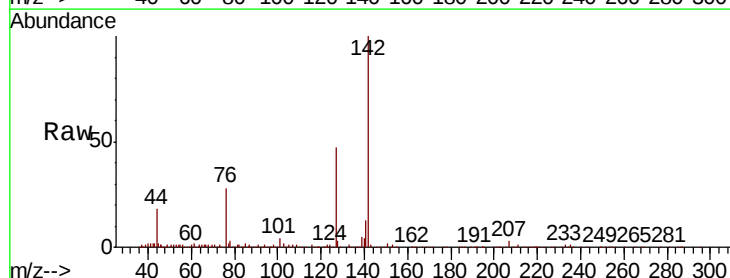
Tgt Ion:142 Resp: 275813

Ion Ratio Lower Upper

142 100

127 46.8 38.1 57.1

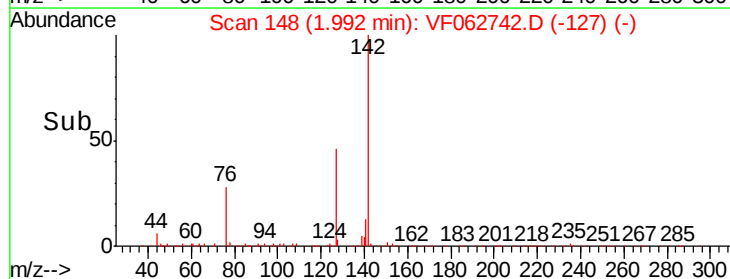
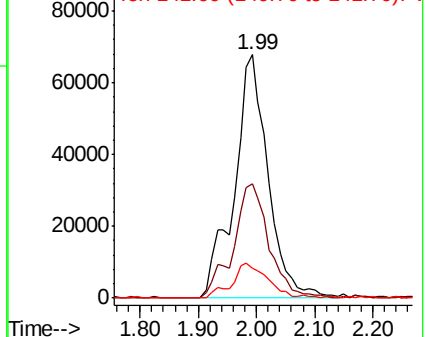
141 12.5 11.7 17.5

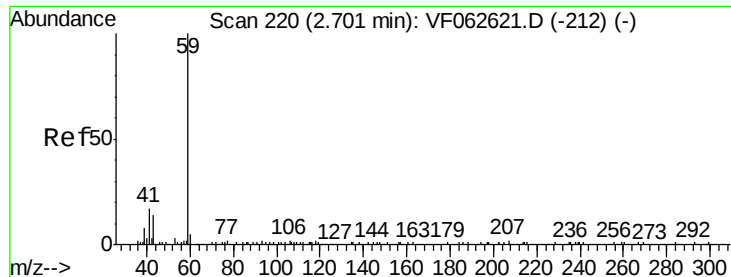


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

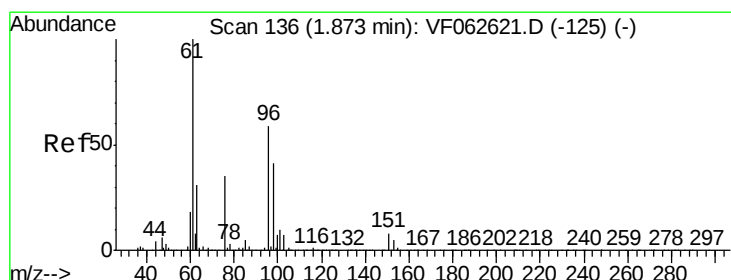
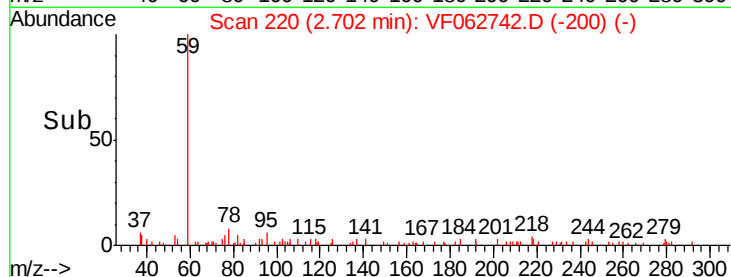
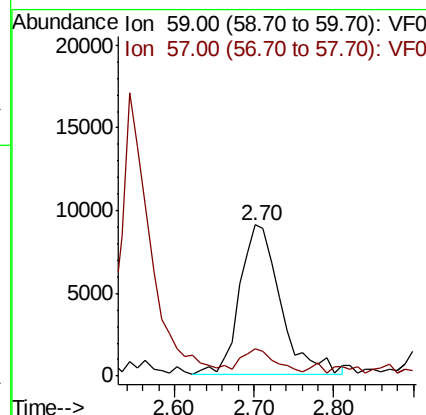
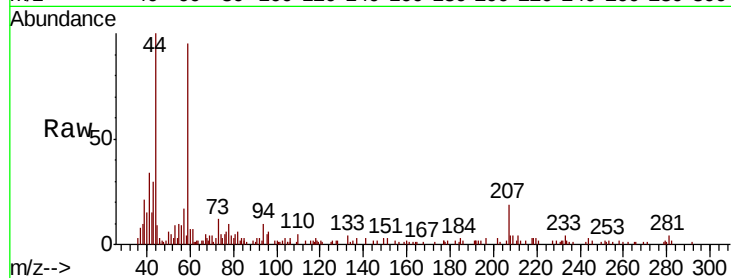




#11
Tert butyl alcohol
Concen: 97.391 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

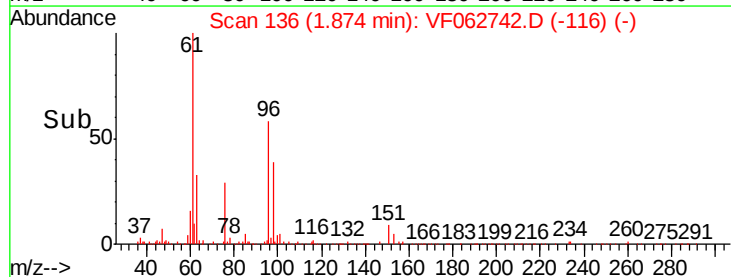
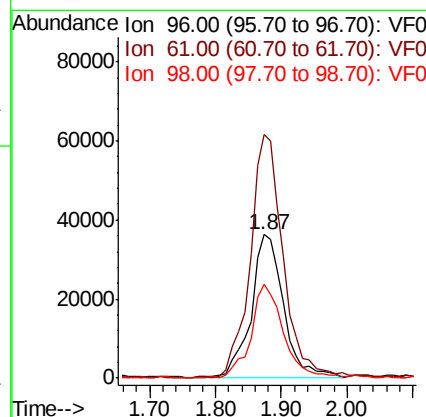
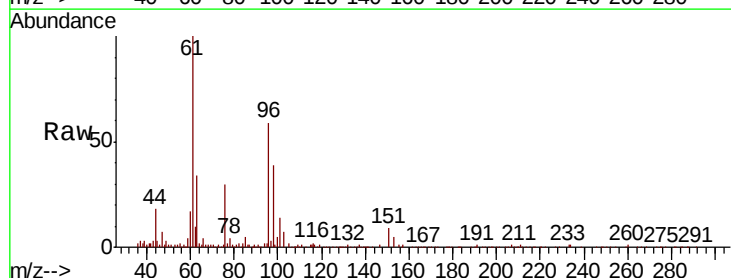
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

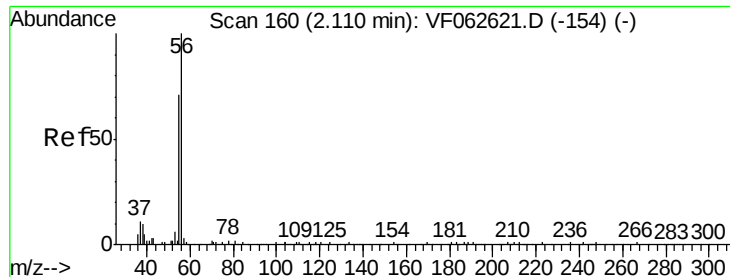
Tot Ion: 59 Resp: 31911
Ion Ratio Lower Upper
59 100
57 17.8 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 20.150 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 96 Resp: 127128
Ion Ratio Lower Upper
96 100
61 169.5 134.3 201.5
98 65.7 55.0 82.6





#13

Acrolein

Concen: 81.329 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

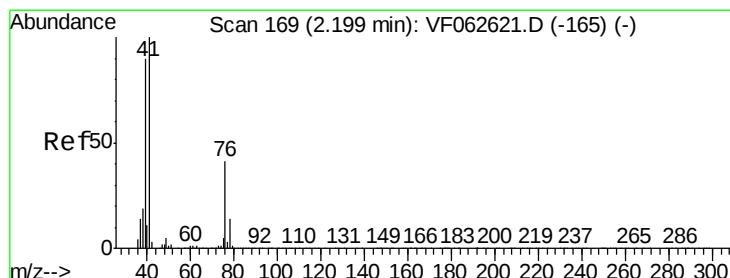
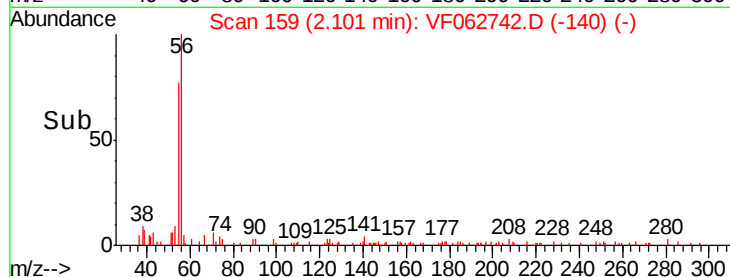
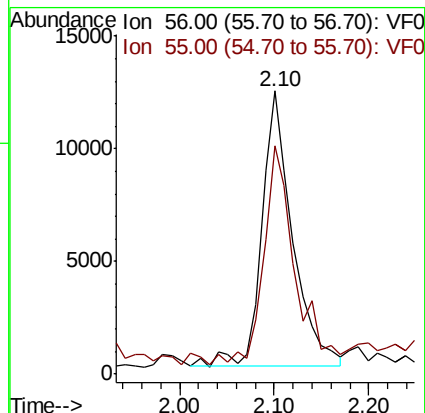
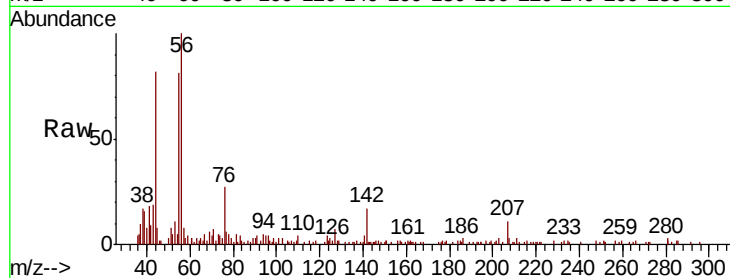
VF0524SBS01

Tot Ion: 56 Resp: 27817

Ion Ratio Lower Upper

56 100

55 80.6 59.4 89.0



#14

Allyl chloride

Concen: 18.157 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

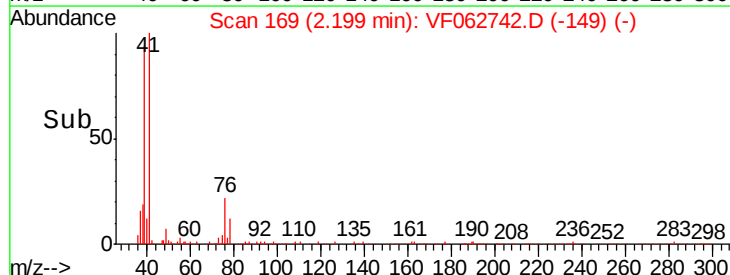
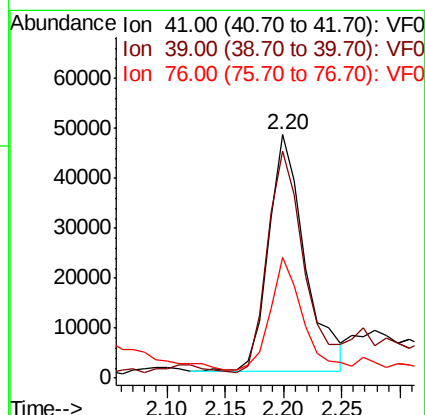
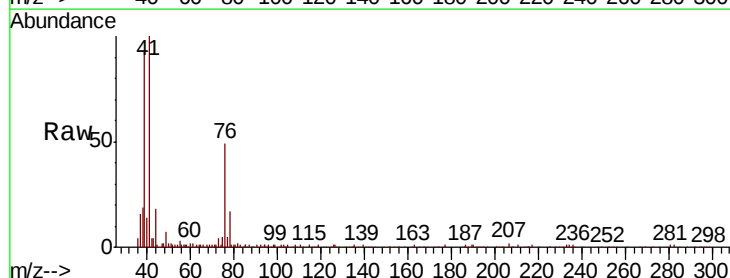
Tgt Ion: 41 Resp: 103681

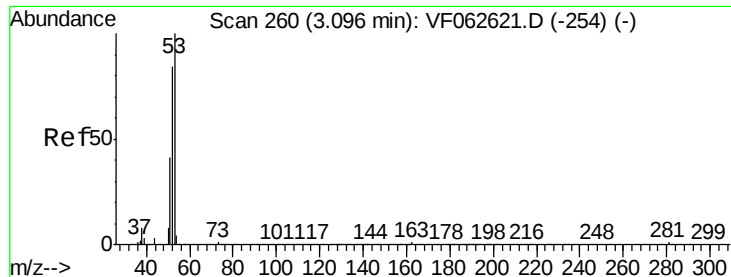
Ion Ratio Lower Upper

41 100

39 93.0 72.0 108.0

76 49.3 34.8 52.2





#15

Acrylonitrile

Concen: 94.064 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

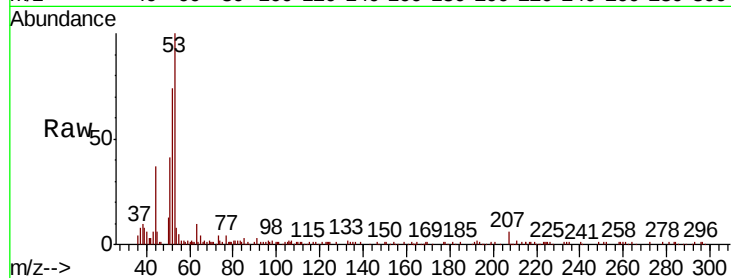
Tot Ion: 53 Resp: 86941

Ion Ratio Lower Upper

53 100

52 74.0 67.3 100.9

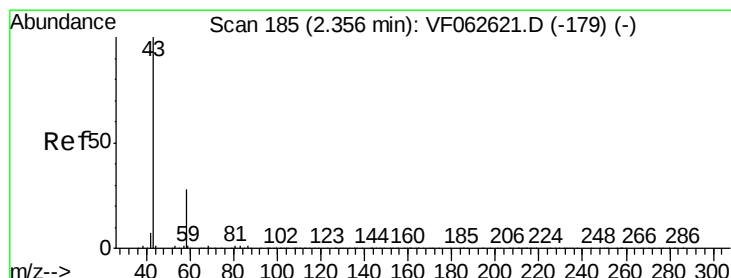
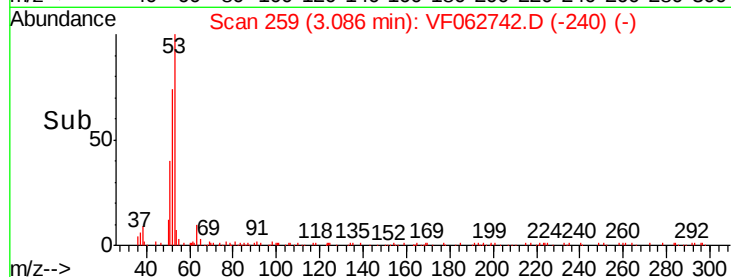
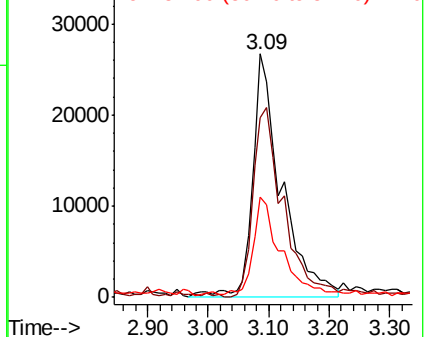
51 41.2 33.0 49.6



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: 81.266 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062742.D

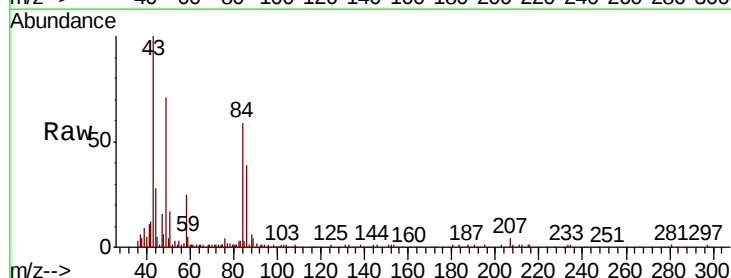
Acq: 24 May 2019 12:50

Tgt Ion: 43 Resp: 104635

Ion Ratio Lower Upper

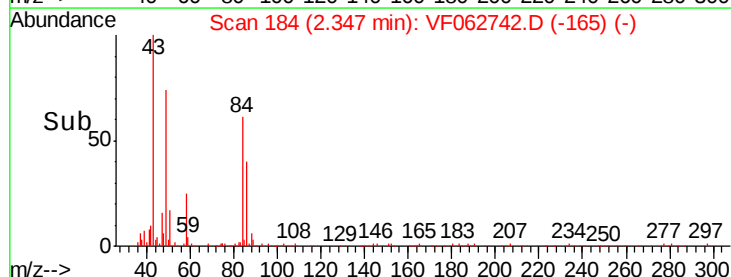
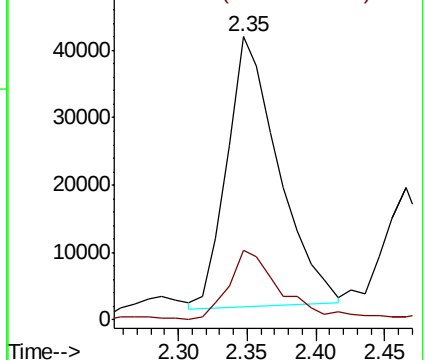
43 100

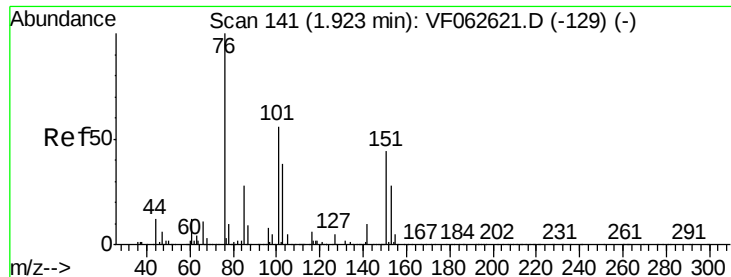
58 24.8 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.421 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

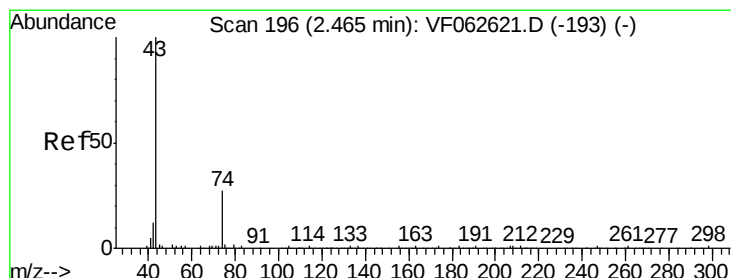
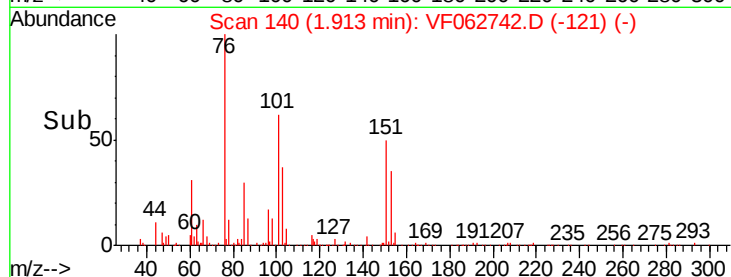
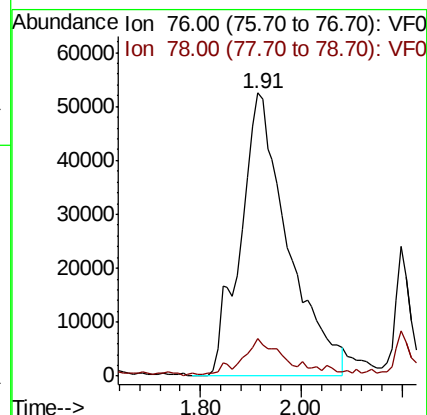
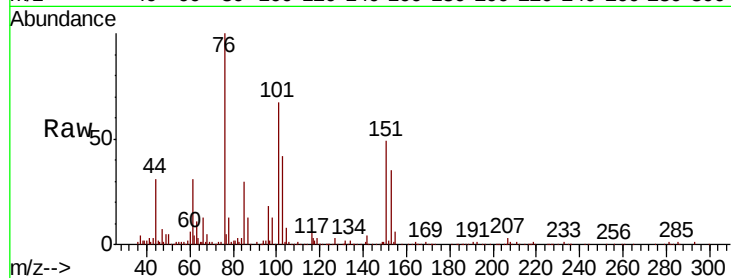
VF0524SBS01

Tot Ion: 76 Resp: 344469

Ion Ratio Lower Upper

76 100

78 13.1 8.4 12.6#



#18

Methyl Acetate

Concen: 19.737 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062742.D

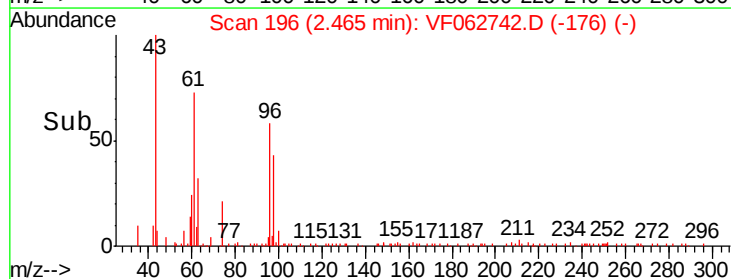
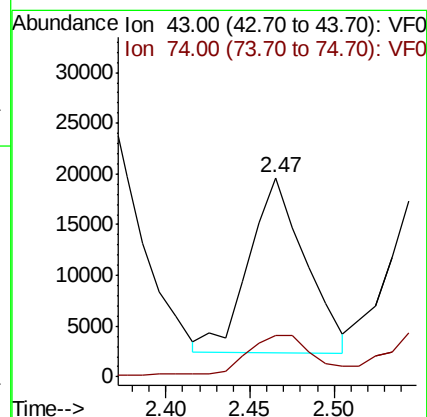
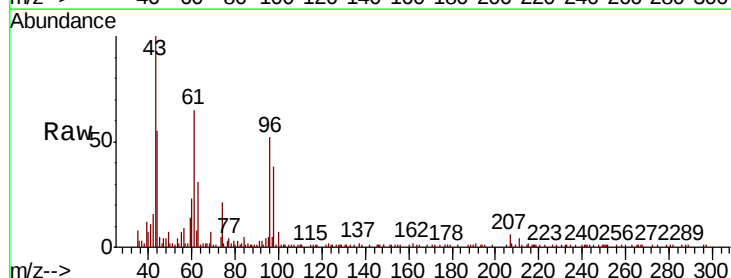
Acq: 24 May 2019 12:50

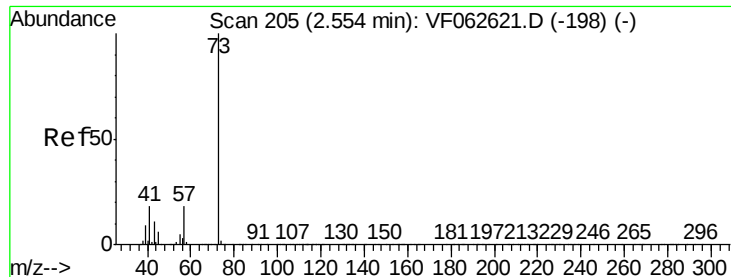
Tgt Ion: 43 Resp: 39934

Ion Ratio Lower Upper

43 100

74 20.9 18.9 28.3



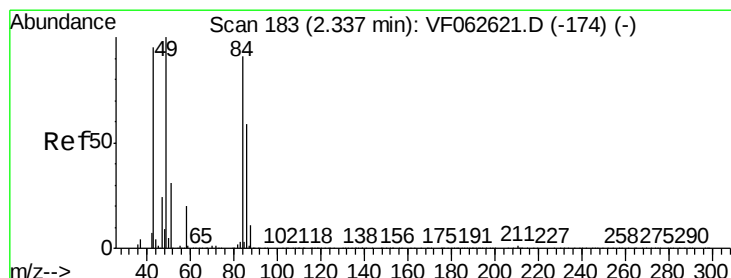
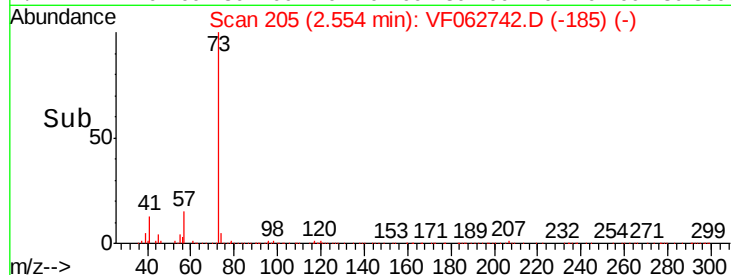
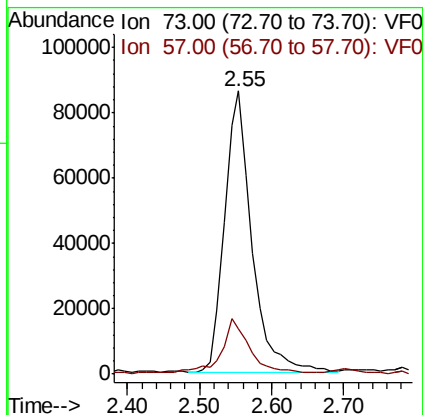
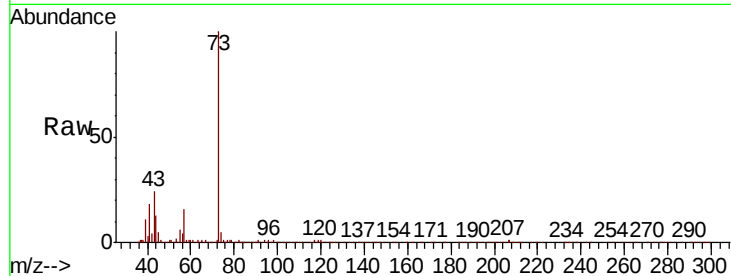


#19

Methyl tert-butyl Ether
Concen: 19.923 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

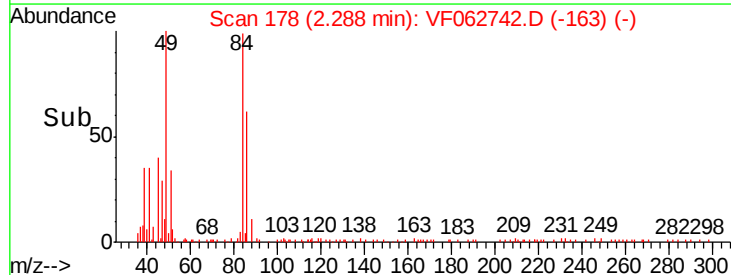
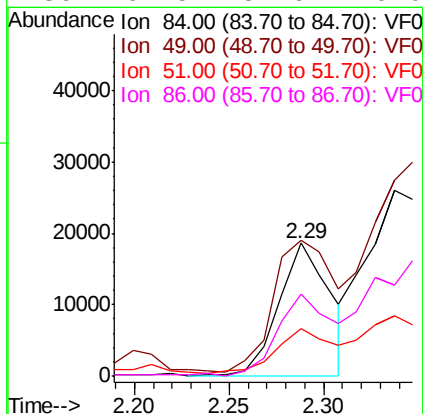
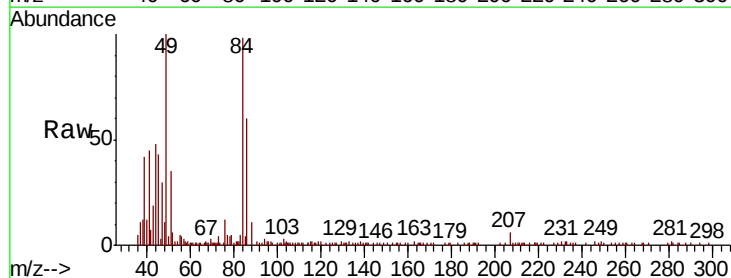
Tot Ion: 73 Resp: 224701
Ion Ratio Lower Upper
73 100
57 16.0 14.2 21.4

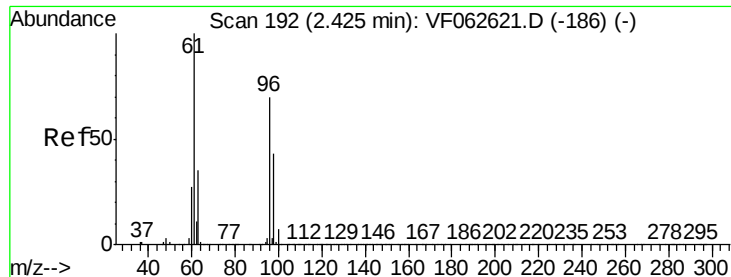


#20

Methylene Chloride
Concen: 5.463 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 84 Resp: 35255
Ion Ratio Lower Upper
84 100
49 101.8 89.8 134.8
51 36.1 28.4 42.6
86 61.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.776 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

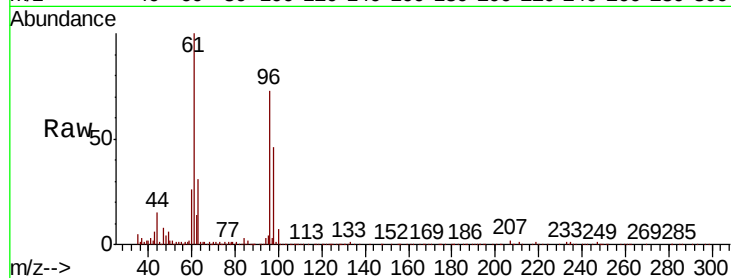
Tot Ion: 96 Resp: 134287

Ion Ratio Lower Upper

96 100

61 136.9 114.6 171.8

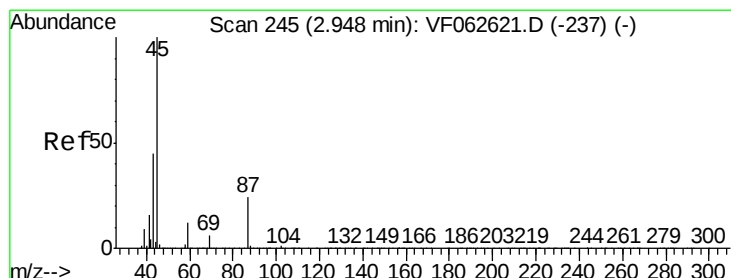
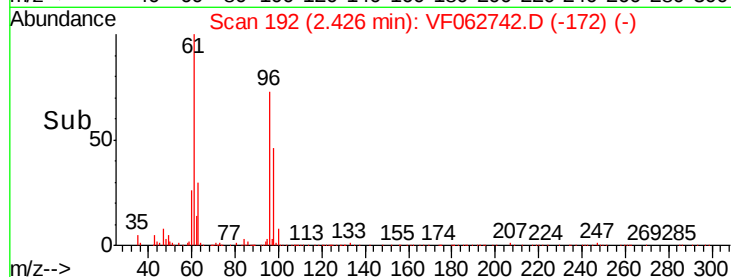
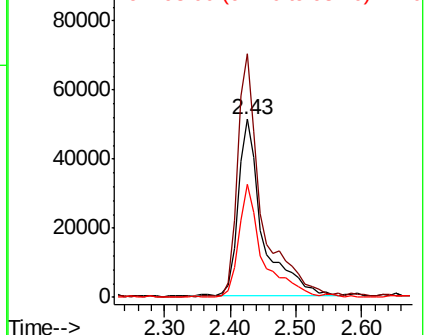
98 63.4 49.5 74.3



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.241 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Tgt Ion: 45 Resp: 285061

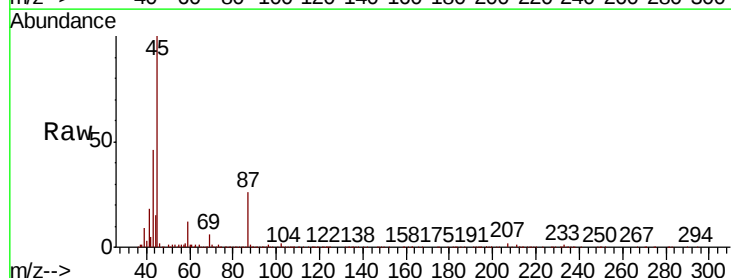
Ion Ratio Lower Upper

45 100

43 46.0 36.4 54.6

87 25.6 19.3 28.9

59 11.8 9.4 14.2

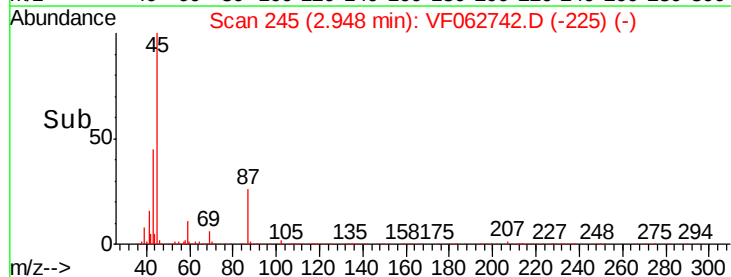
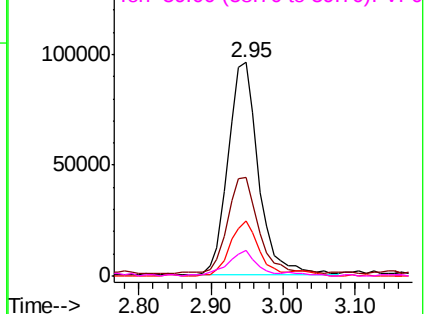


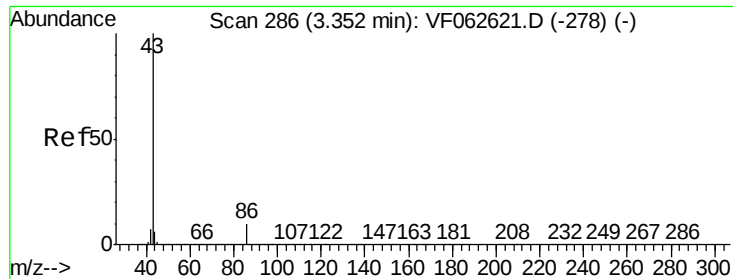
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

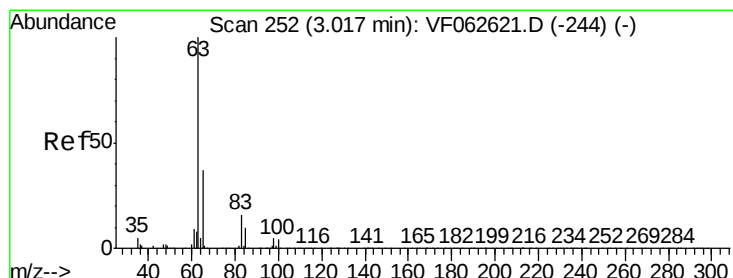
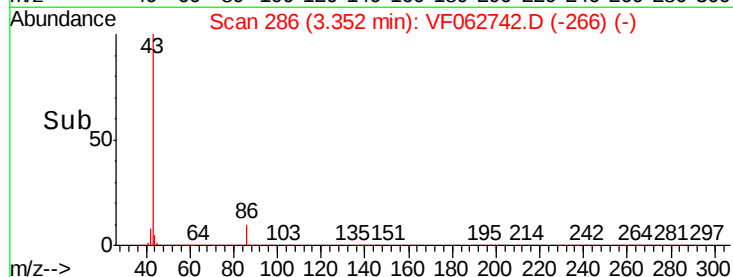
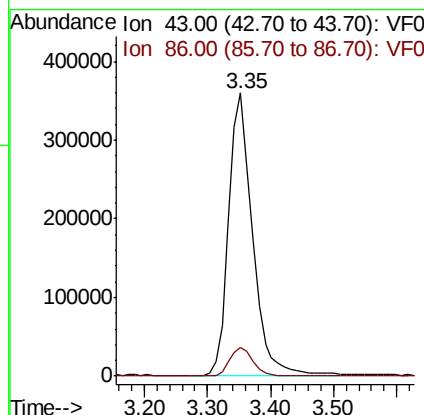
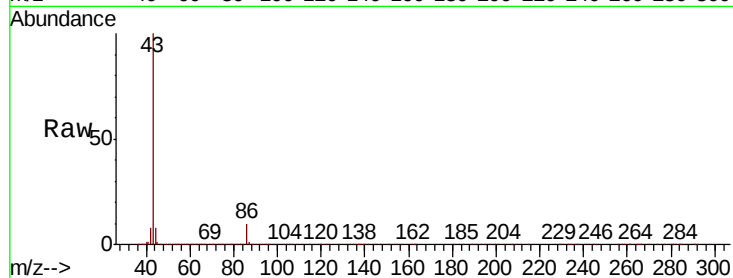




#23
 Vinyl Acetate
 Concen: 99.548 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

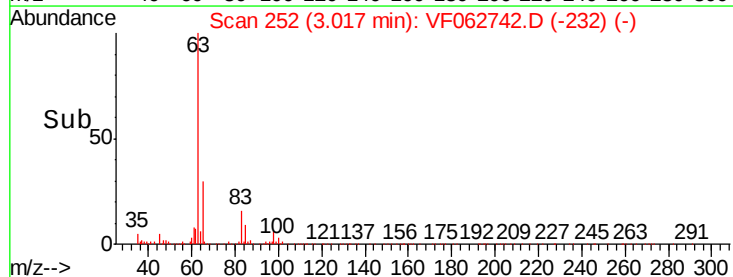
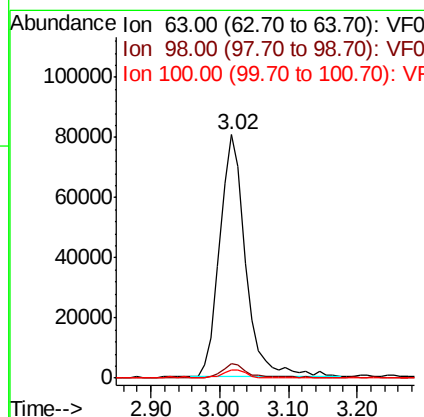
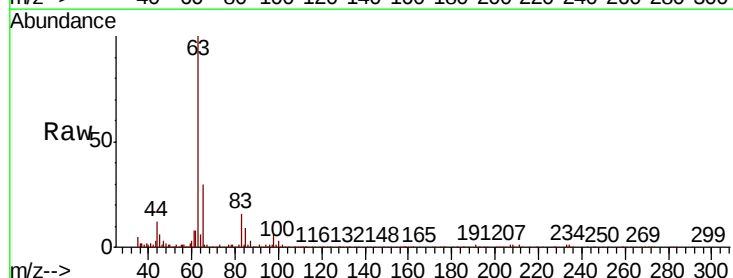
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

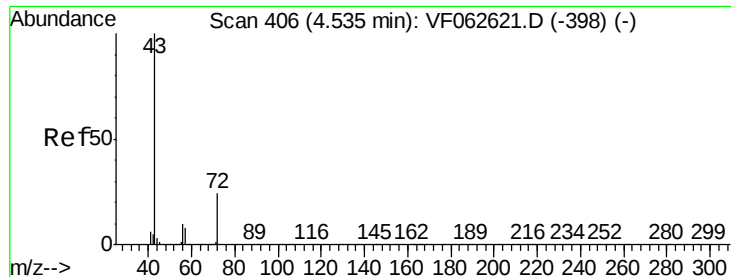
Tot Ion: 43 Resp: 945742
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.472 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion: 63 Resp: 211512
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.3
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 108.971 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

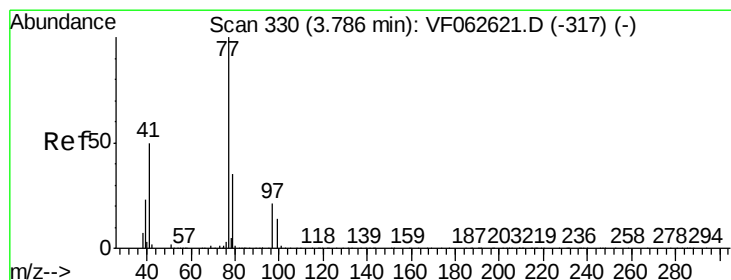
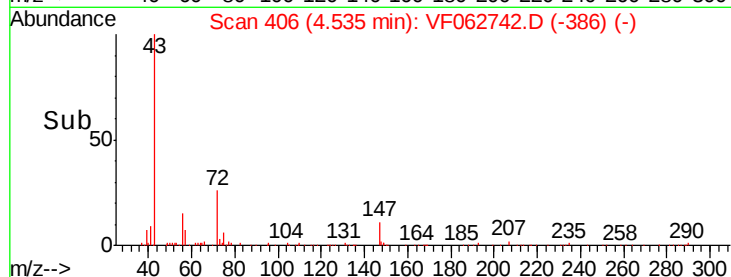
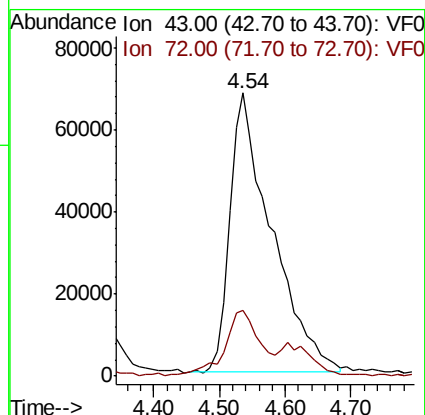
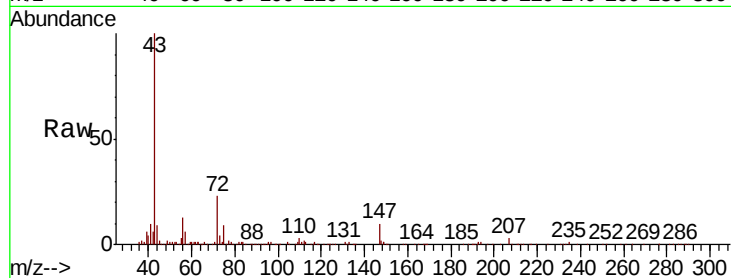
VF0524SBS01

Tot Ion: 43 Resp: 299765

Ion Ratio Lower Upper

43 100

72 23.4 20.1 30.1



#26

2,2-Dichloropropane

Concen: 20.415 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062742.D

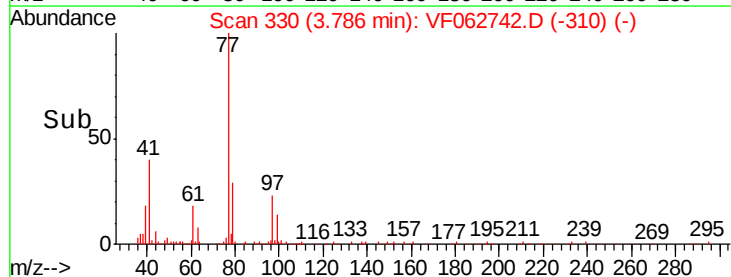
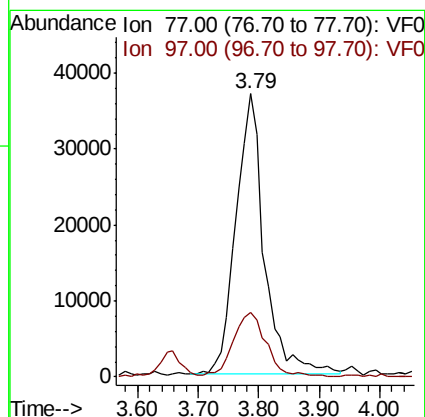
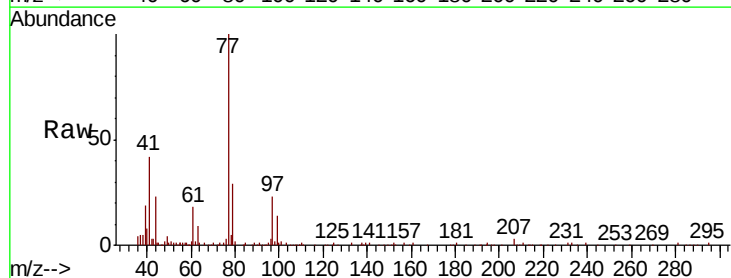
Acq: 24 May 2019 12:50

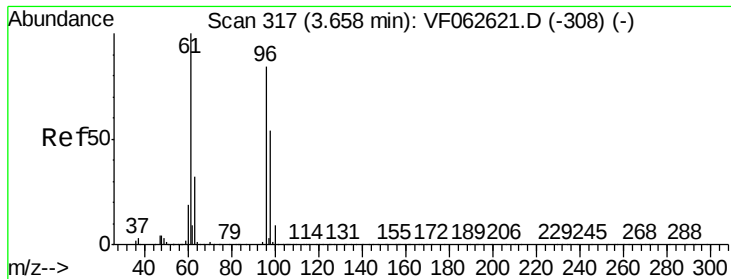
Tgt Ion: 77 Resp: 120679

Ion Ratio Lower Upper

77 100

97 22.6 14.1 42.4



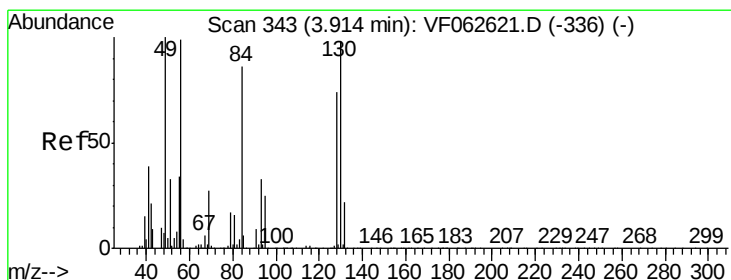
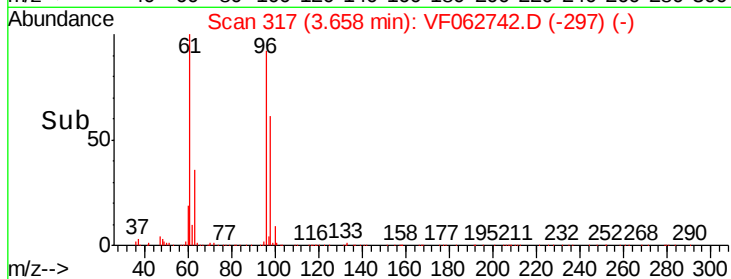
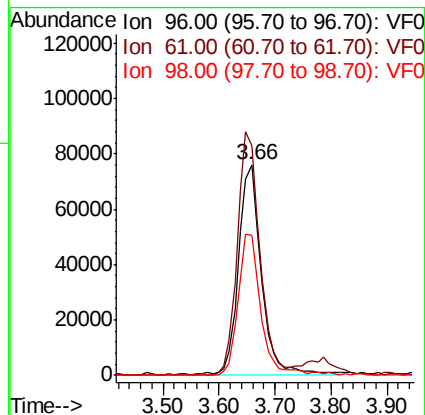
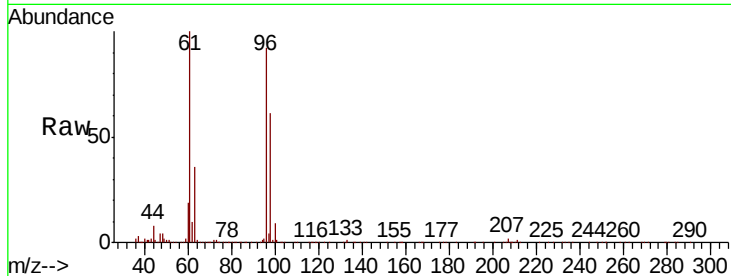


#27

cis-1,2-Dichloroethene
Concen: 21.073 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

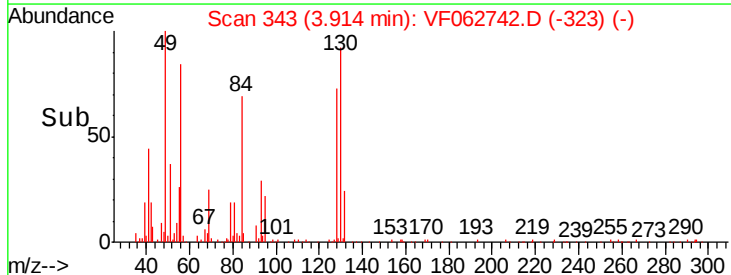
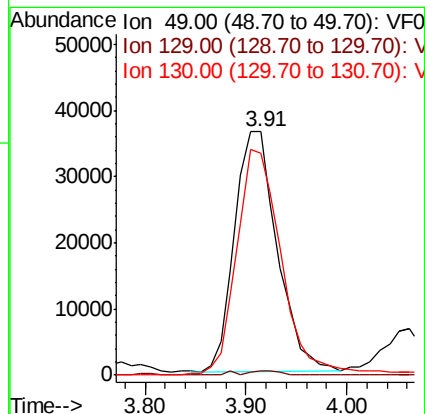
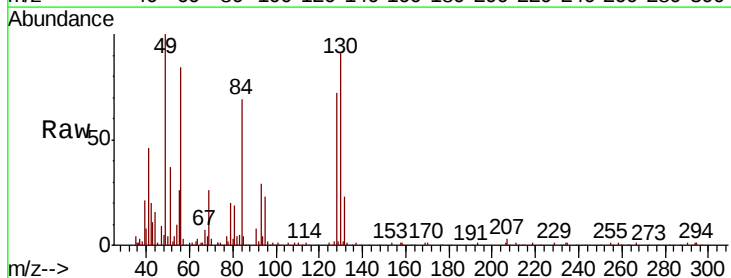
Tot Ion	Ratio	Lower	Upper
96	100		
61	108.8	0.0	237.4
98	66.1	0.0	129.0

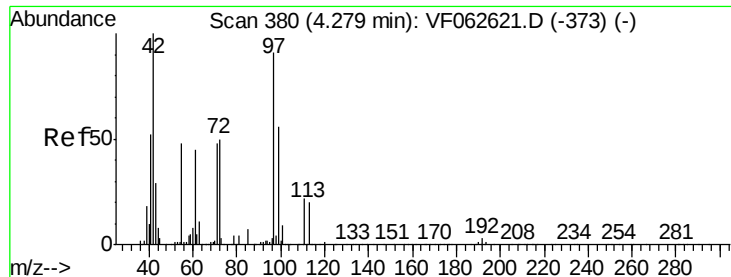


#28

Bromochloromethane
Concen: 18.622 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	91.4	77.8	116.8

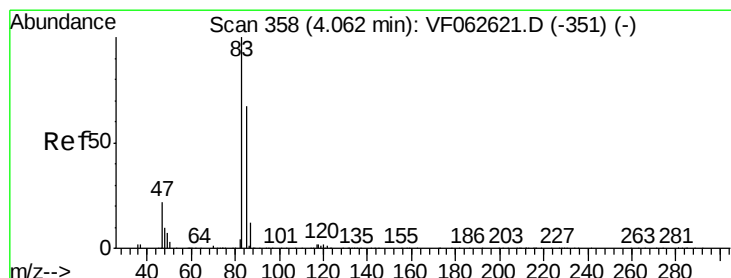
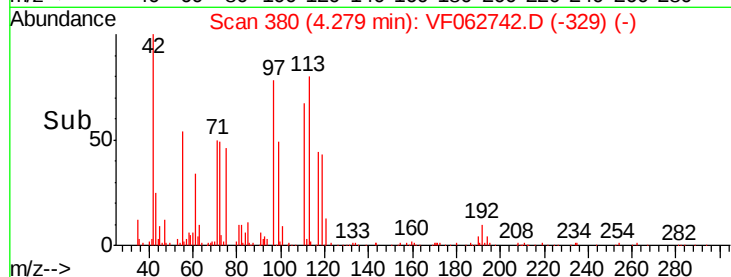
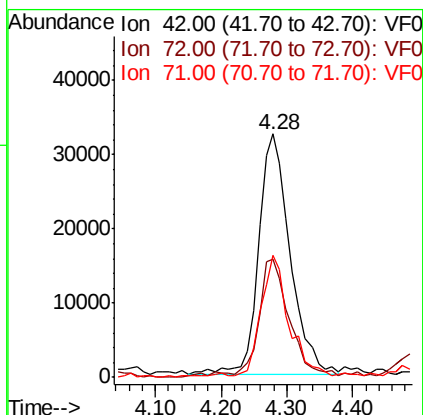
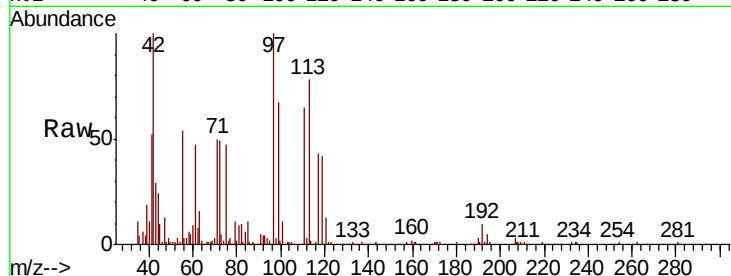




#29
Tetrahydrofuran
Concen: 96.675 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

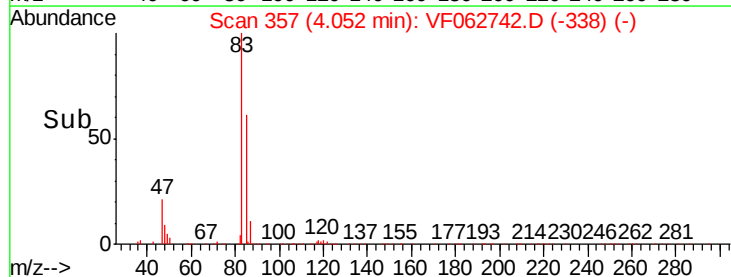
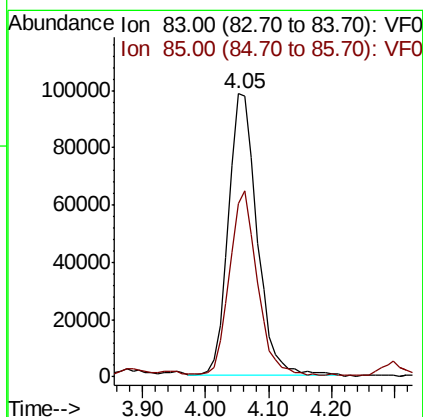
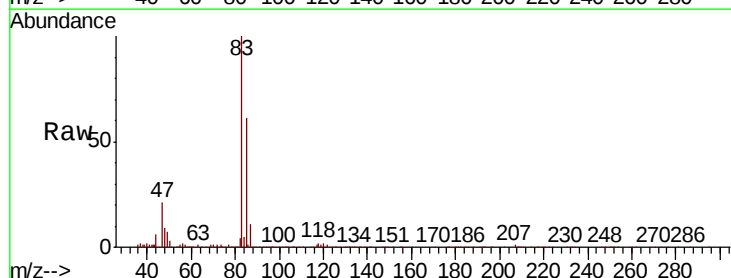
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

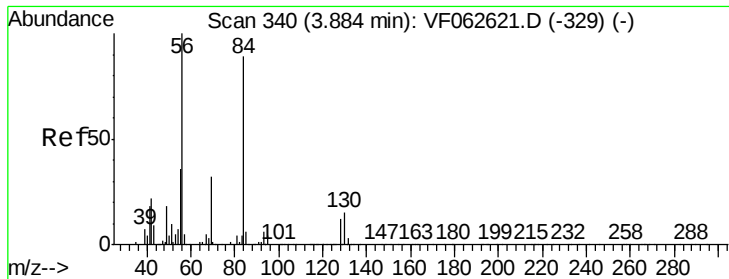
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	38.2	57.2
71	44.5	35.8	53.6



#30
Chloroform
Concen: 21.494 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	53.6	80.4





#31

Cyclohexane

Concen: 20.161 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

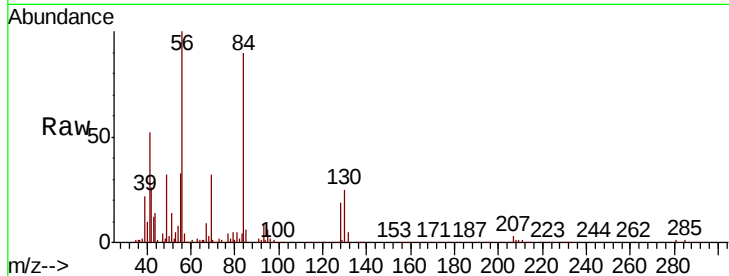
Tot Ion: 56 Resp: 279683

Ion Ratio Lower Upper

56 100

69 31.5 25.3 37.9

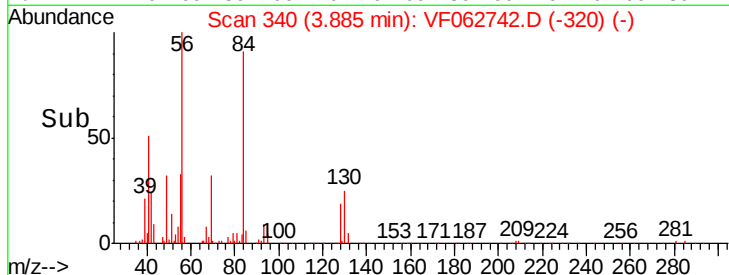
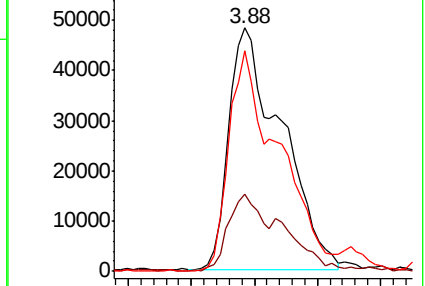
84 90.4 71.0 106.4



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: 20.314 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

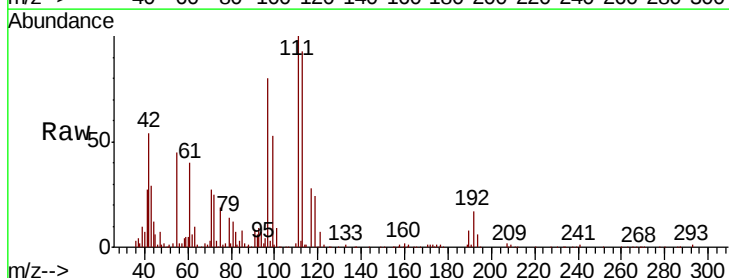
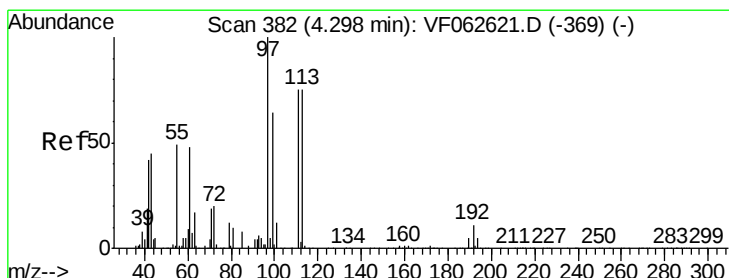
Tgt Ion: 97 Resp: 193519

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

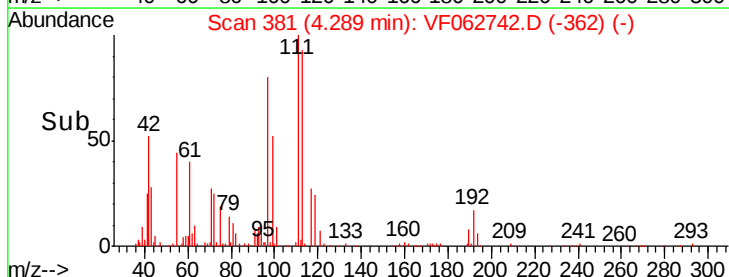
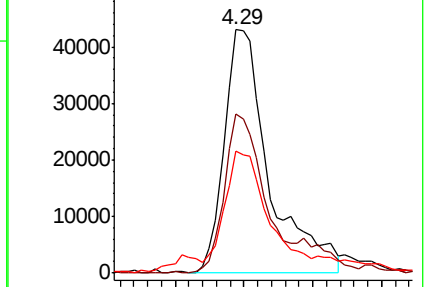
61 50.0 38.2 57.2

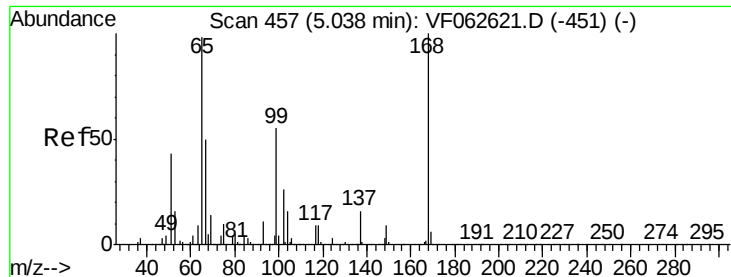


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 40.280 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

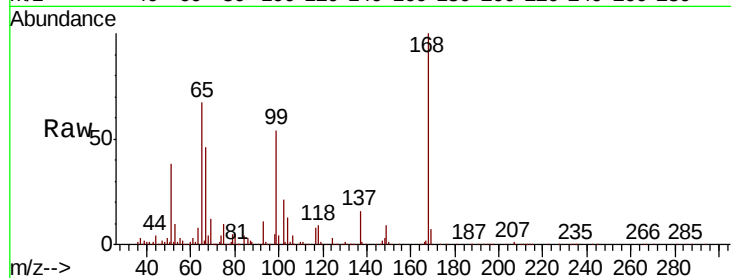
VF0524SBS01

Tot Ion: 65 Resp: 199908

Ion Ratio Lower Upper

65 100

67 69.2 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

80000

60000

40000

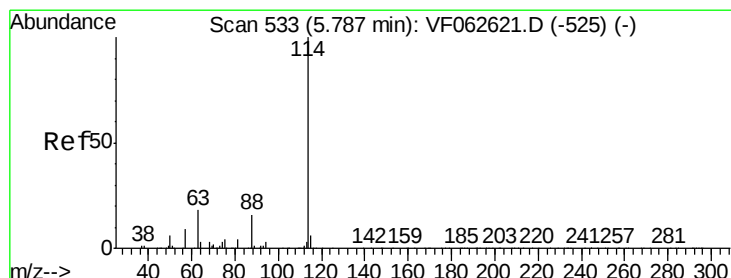
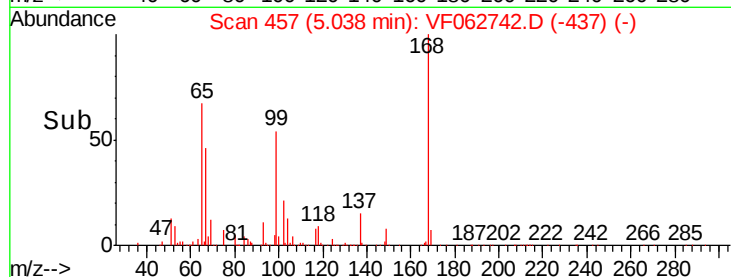
20000

0

Time-->

5.00

5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

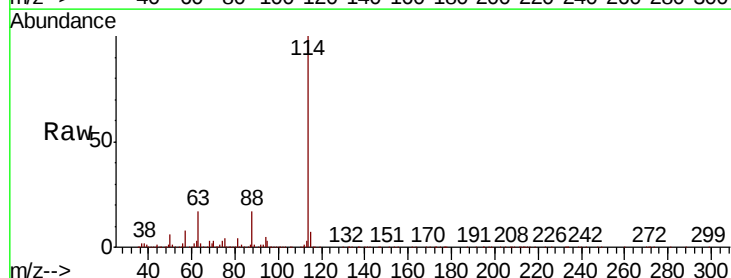
Tgt Ion:114 Resp: 1314734

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 16.7 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

600000

500000

400000

300000

200000

100000

0

Time-->

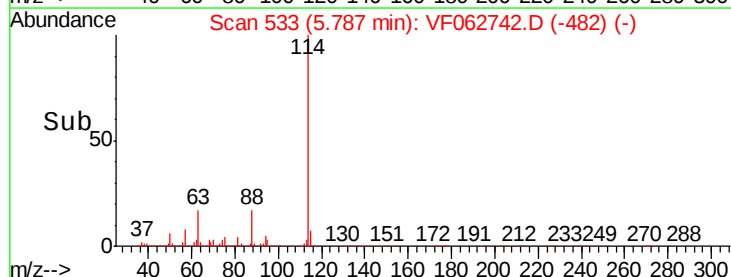
5.60

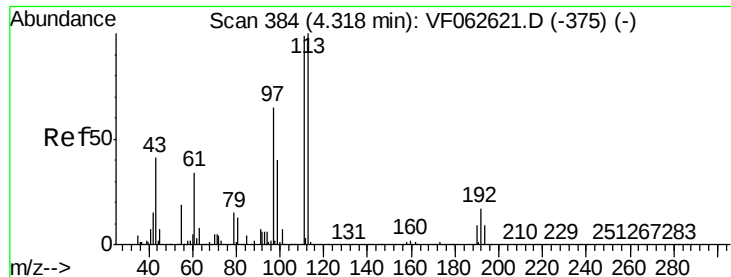
5.70

5.80

5.90

6.00

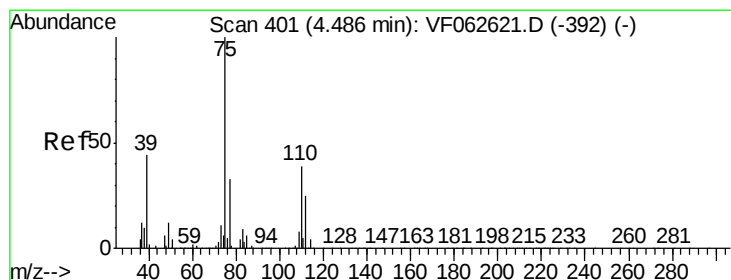
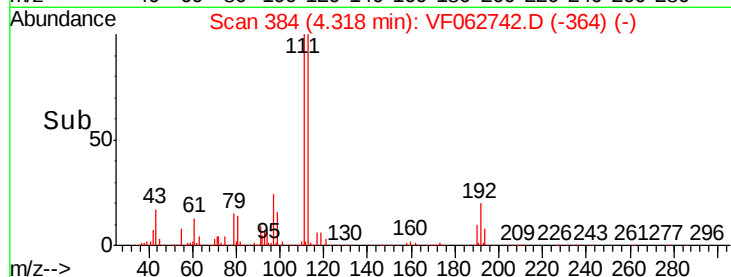
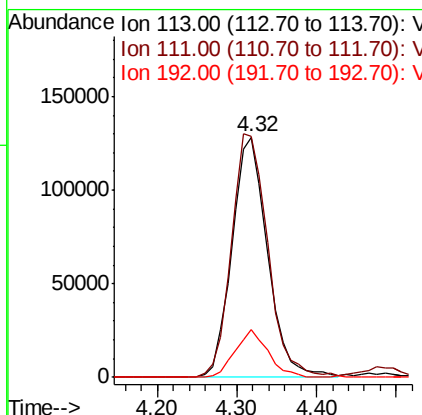
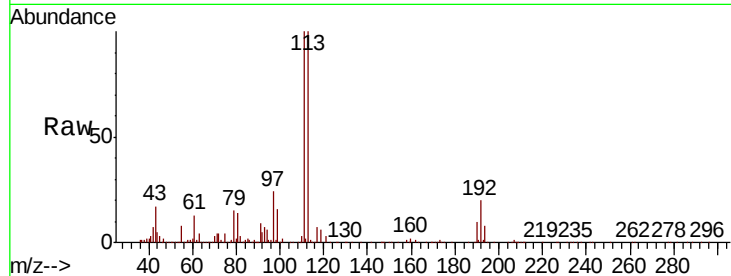




#35
 Dibromofluoromethane
 Concen: 39.650 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

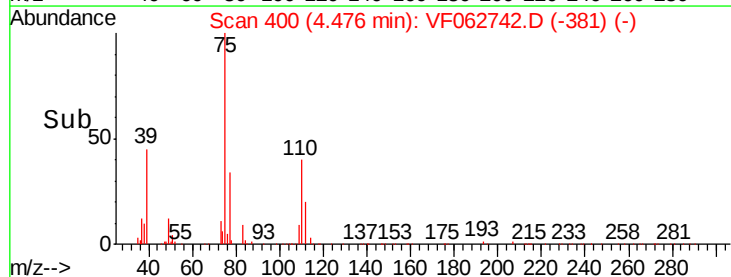
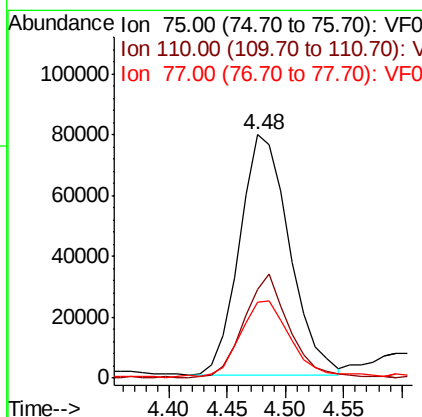
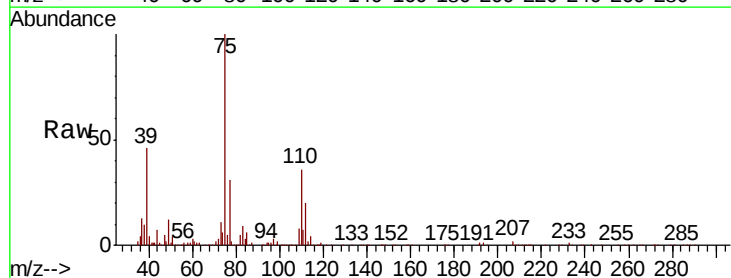
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

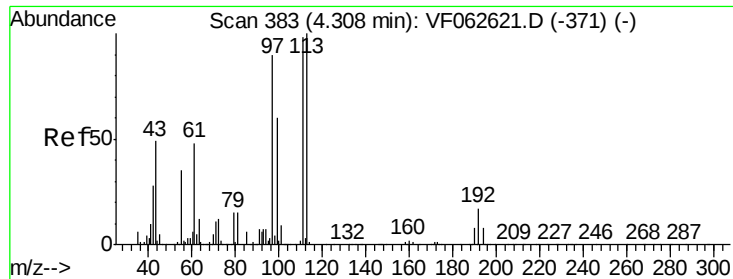
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.4	119.2
192	19.7	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 17.347 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	19.7	59.1
77	31.2	26.3	39.5

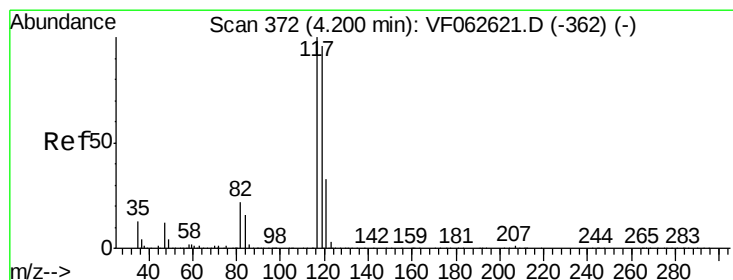
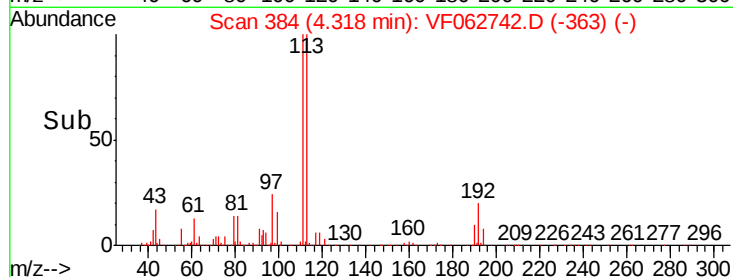
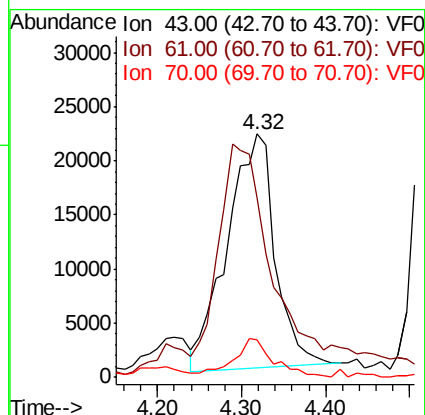
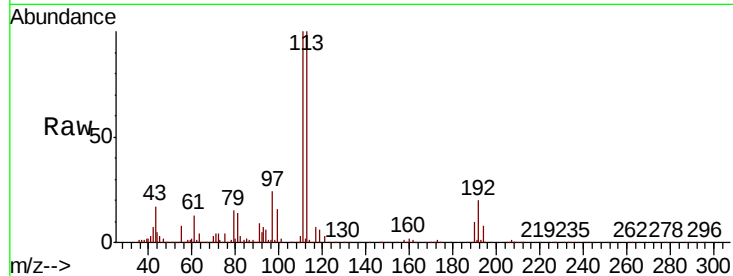




#37
Ethyl Acetate
Concen: 15.735 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

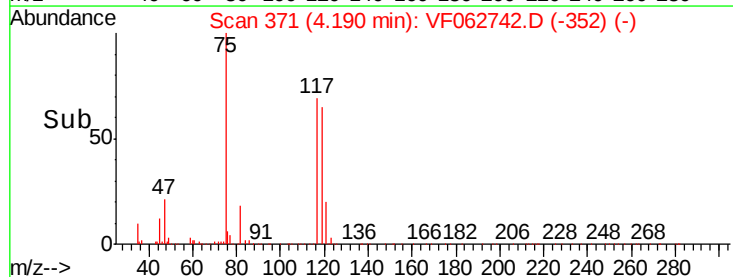
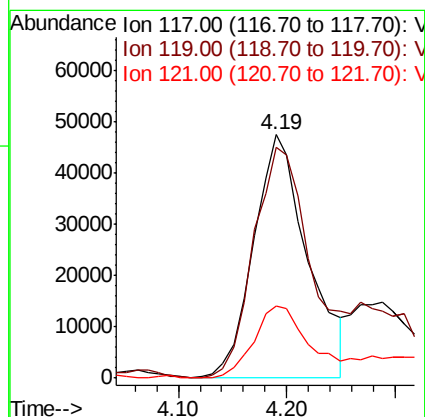
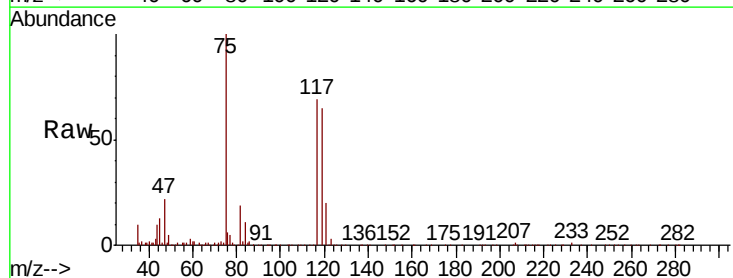
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

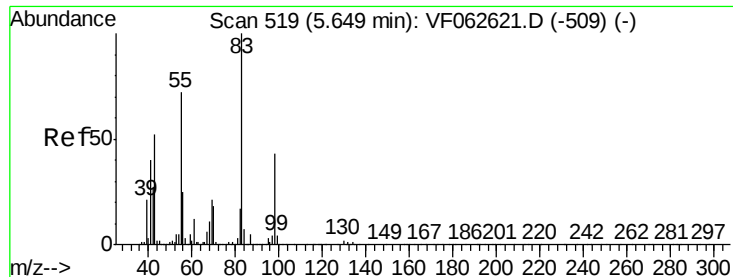
Tot Ion	Ratio	Lower	Upper
43	100		
61	74.0	76.9	115.3#
70	15.4	8.8	13.2#



#38
Carbon Tetrachloride
Concen: 16.184 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.7	115.1
121	29.4	26.6	40.0

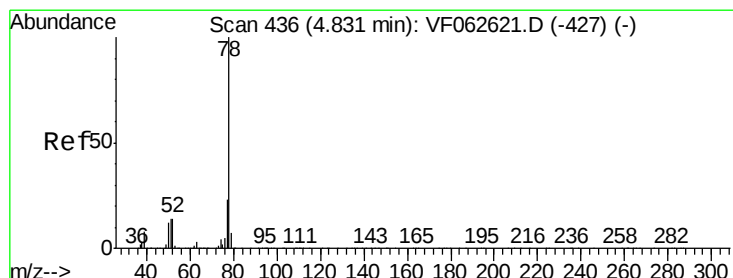
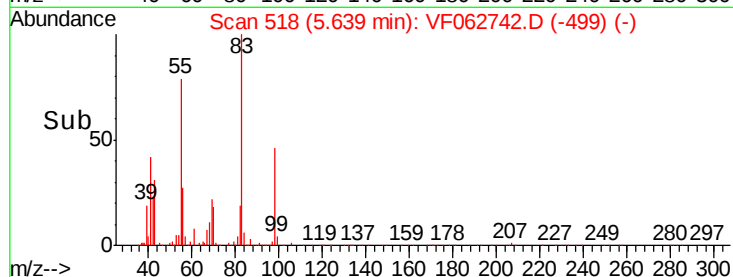
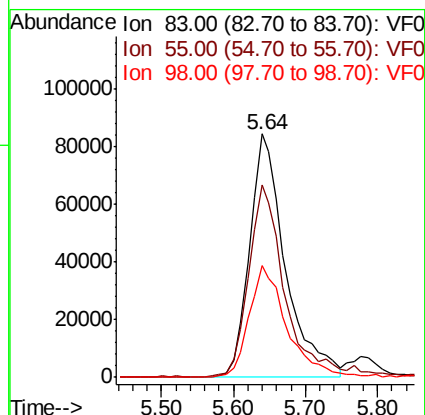
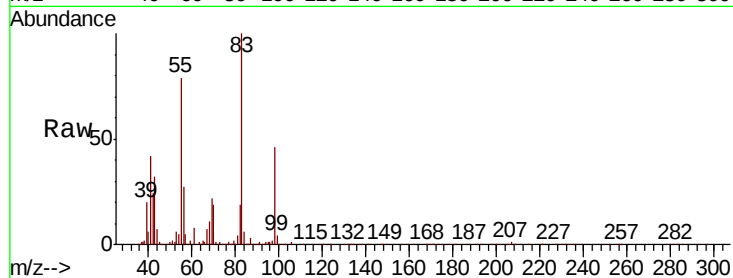




#39
Methvlcvclohexane
Concen: 18.021 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

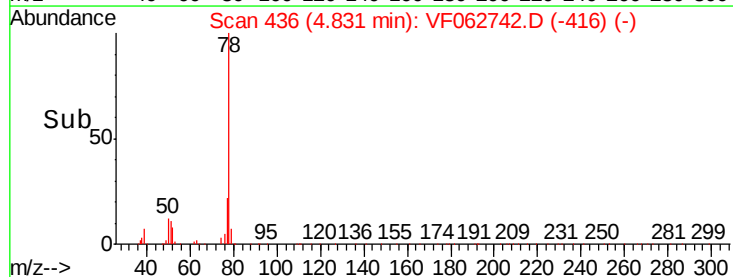
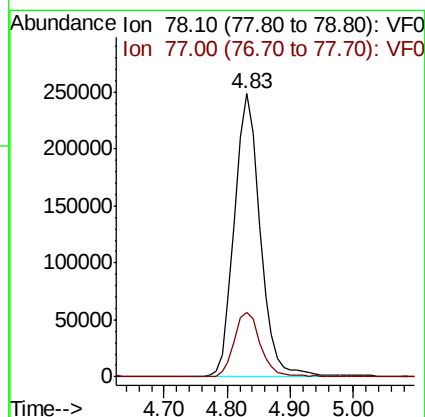
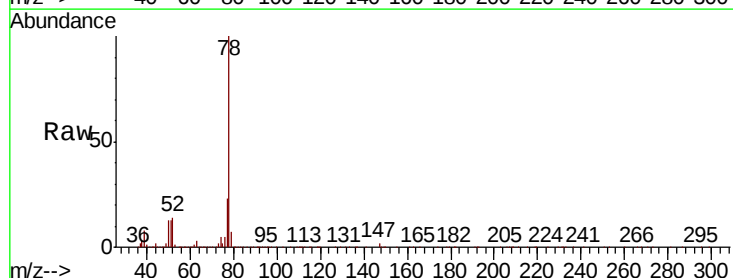
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

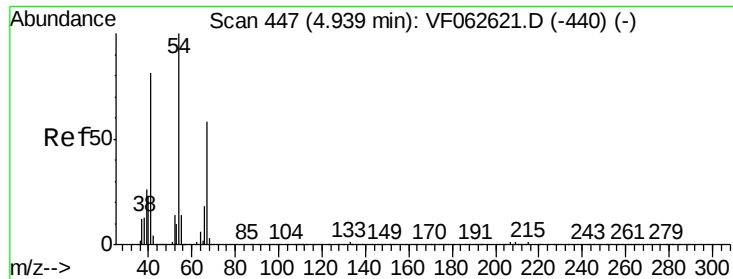
Tot Ion: 83 Resp: 292131
Ion Ratio Lower Upper
83 100
55 78.9 57.9 86.9
98 46.0 34.6 52.0



#40
Benzene
Concen: 19.153 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 78 Resp: 702955
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2





#41

Methacrylonitrile

Concen: 18.888 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

Tot Ion: 41 Resp: 54471

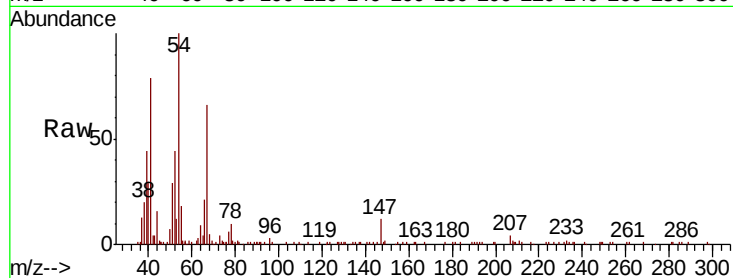
Ion Ratio Lower Upper

41 100

39 54.9 42.2 63.2

67 82.8 56.4 84.6

52 56.0 38.8 58.2

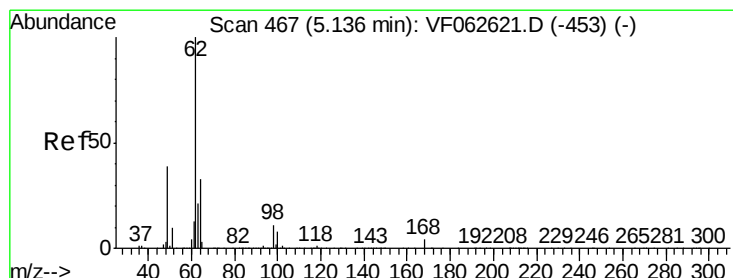
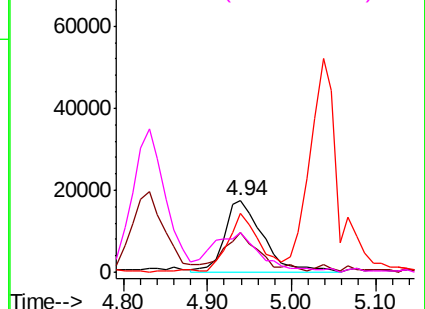
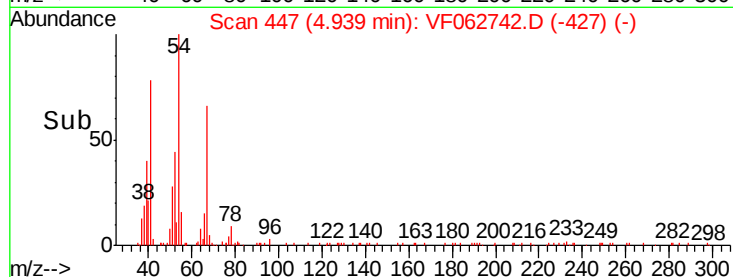


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 17.412 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF062742.D

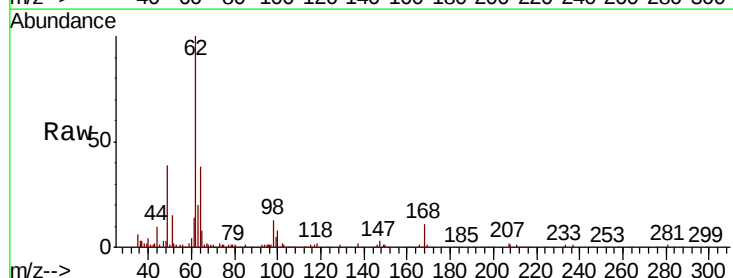
Acq: 24 May 2019 12:50

Tgt Ion: 62 Resp: 127435

Ion Ratio Lower Upper

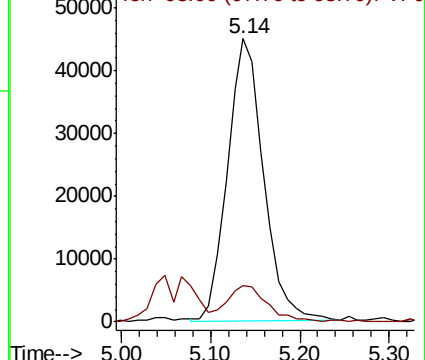
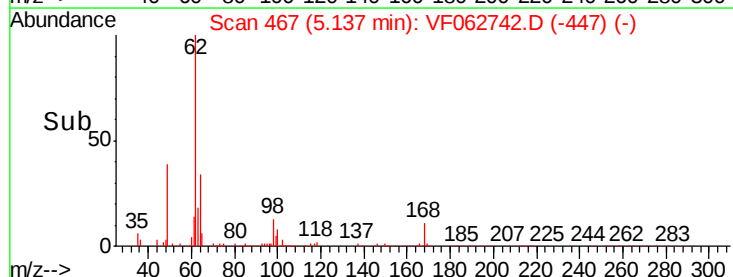
62 100

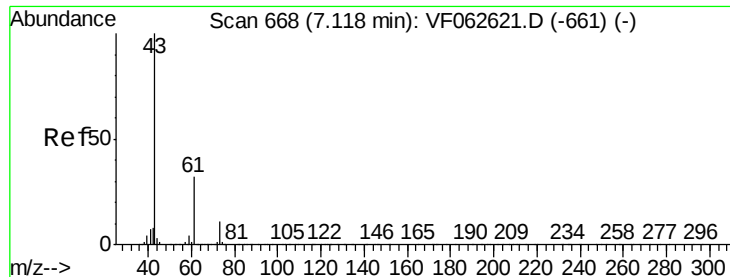
98 12.6 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



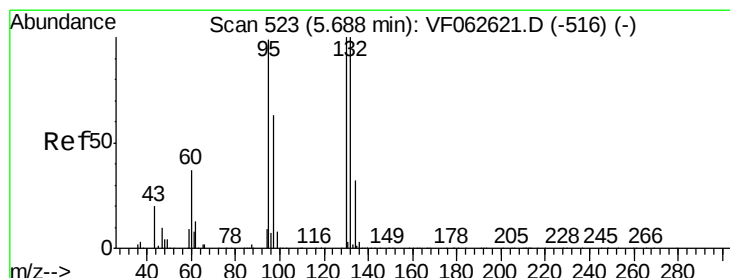
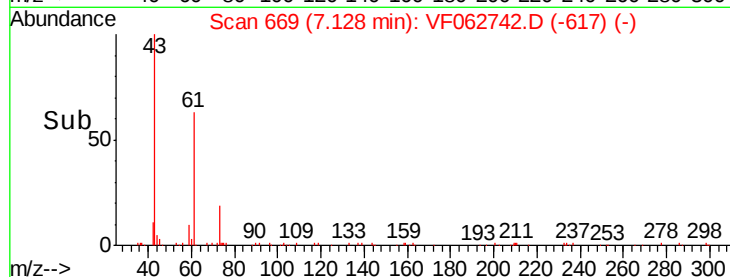
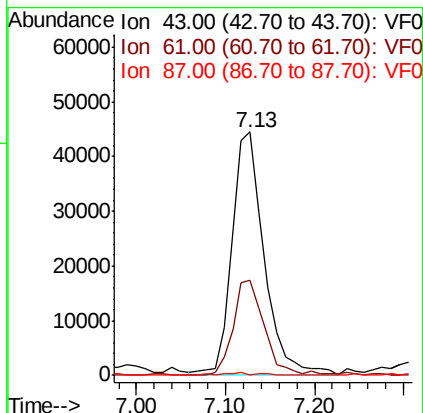
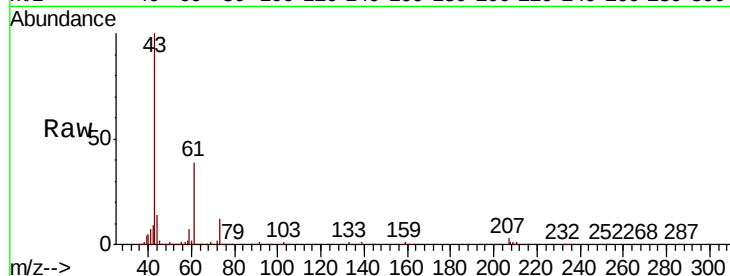


#43

Isopropyl Acetate
 Concen: 15.786 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

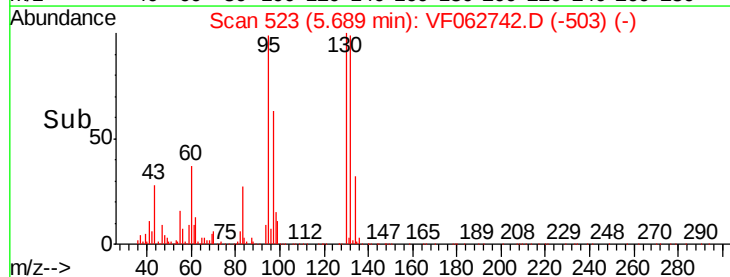
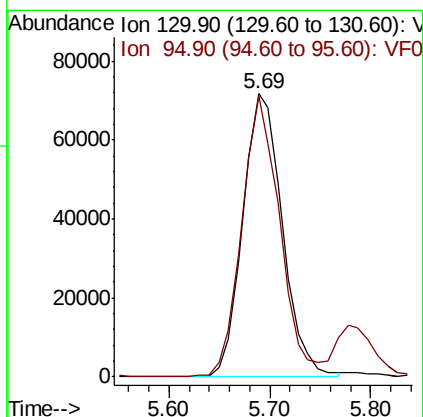
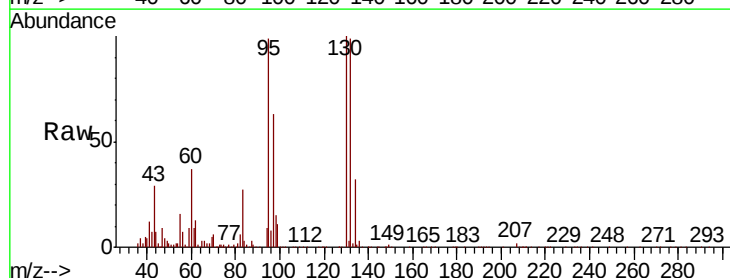
Tot Ion: 43 Resp: 112492
 Ion Ratio Lower Upper
 43 100
 61 38.9 25.8 38.8#
 87 0.2 0.4 0.6#

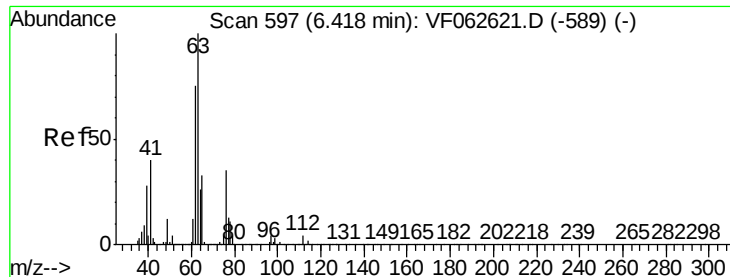


#44

Trichloroethene
 Concen: 18.965 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion:130 Resp: 195629
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 199.4





#45

1,2-Dichloropropane

Concen: 18.878 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

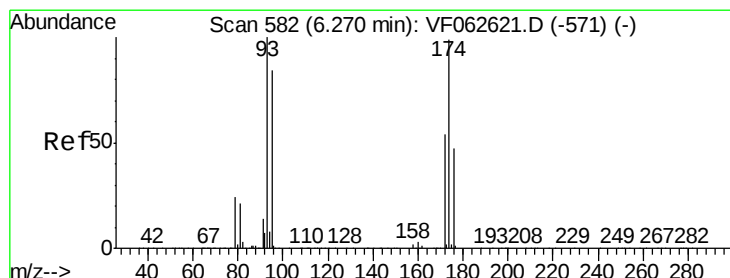
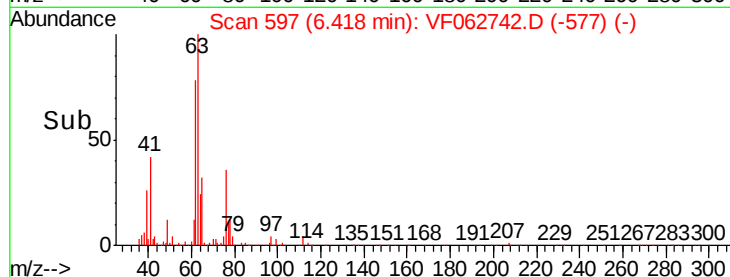
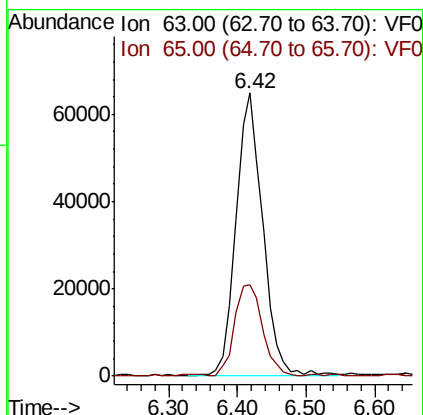
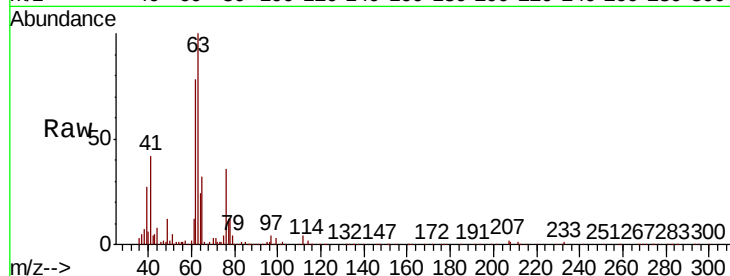
VF0524SBS01

Tot Ion: 63 Resp: 174900

Ion Ratio Lower Upper

63 100

65 32.3 26.3 39.5



#46

Dibromomethane

Concen: 18.414 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

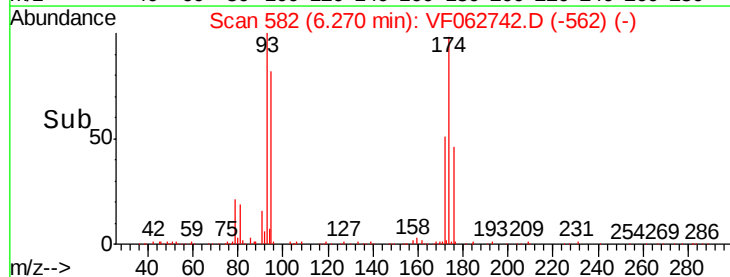
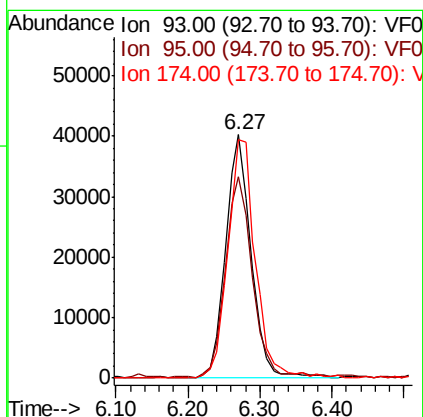
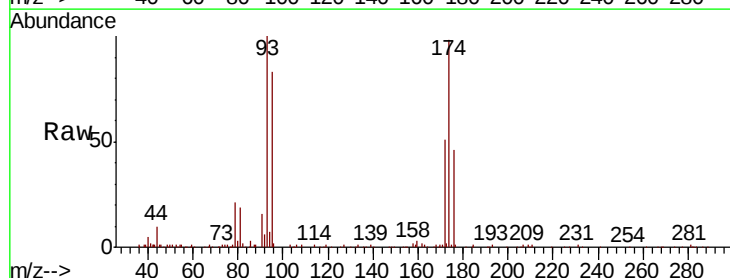
Tgt Ion: 93 Resp: 98593

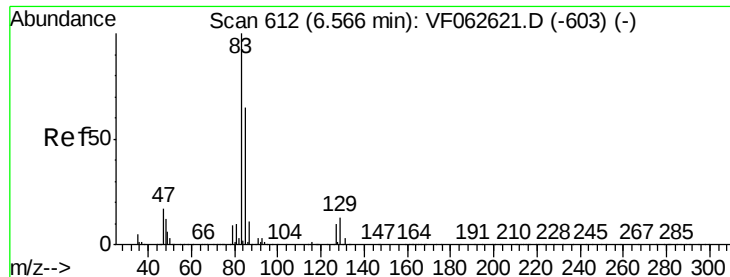
Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.2

174 99.0 79.4 119.2





#47

Bromodichloromethane

Concen: 18.682 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

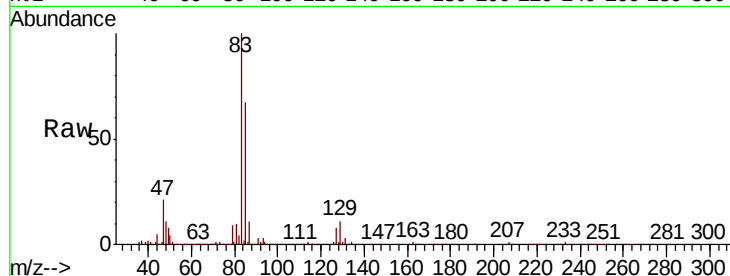
Tot Ion: 83 Resp: 207659

Ion Ratio Lower Upper

83 100

85 67.3 52.0 78.0

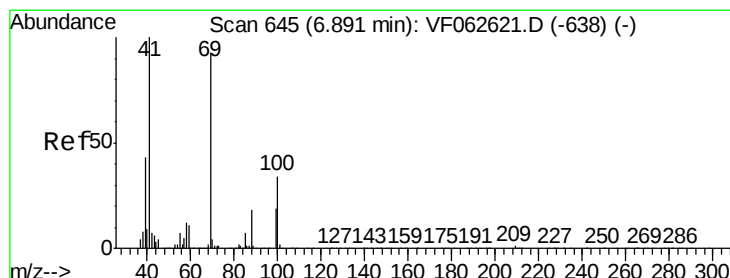
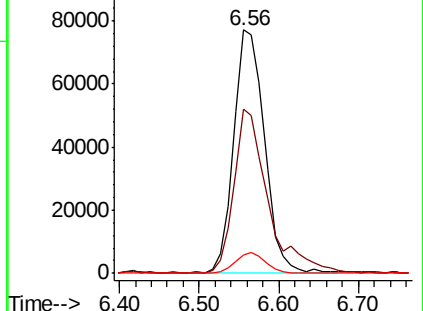
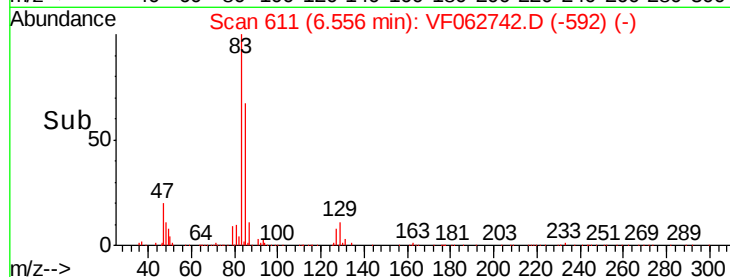
127 7.6 7.7 11.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 15.067 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

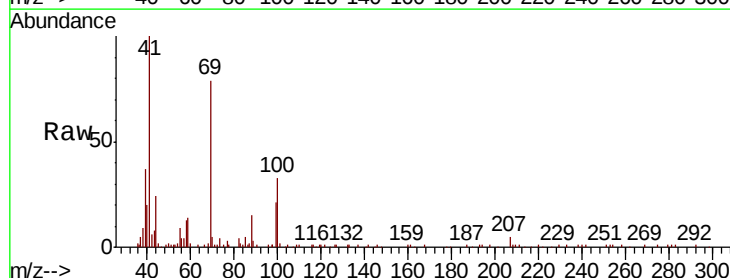
Tgt Ion: 41 Resp: 56121

Ion Ratio Lower Upper

41 100

69 78.6 74.2 111.2

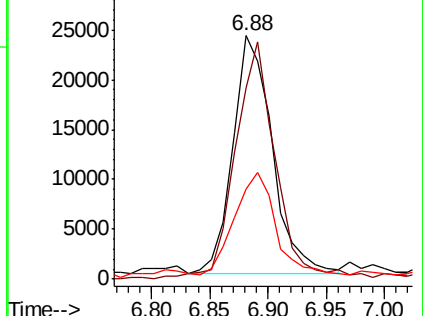
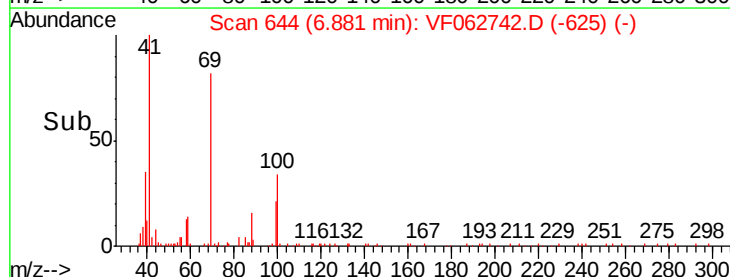
39 37.0 34.2 51.4

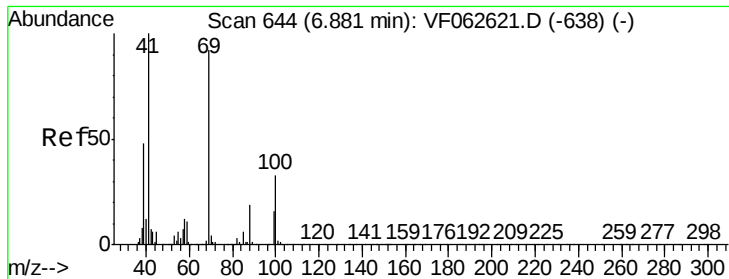


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

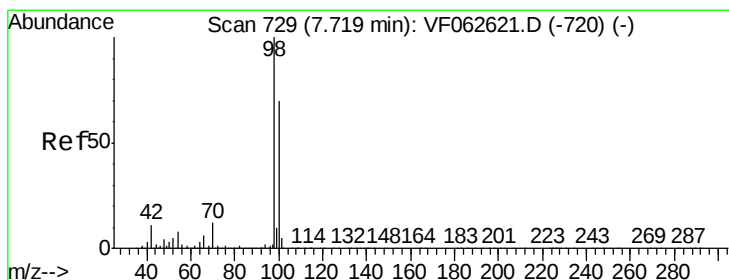
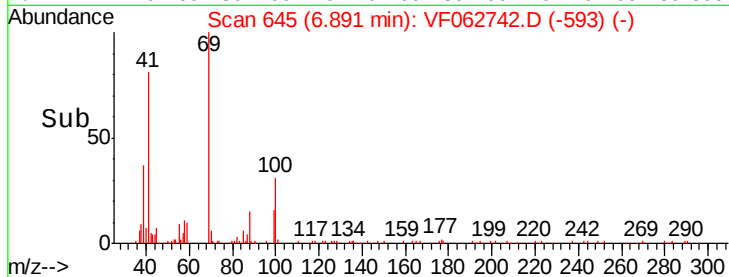
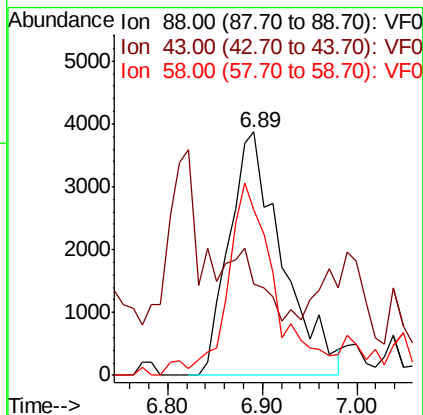
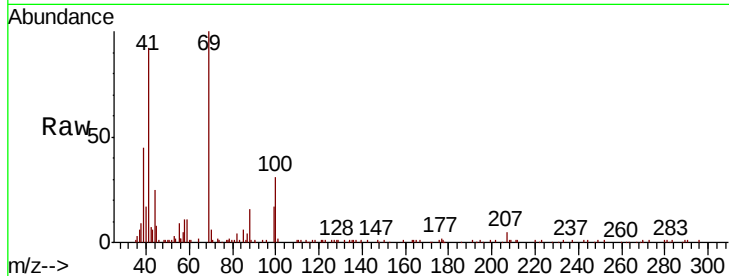




#49
1,4-Dioxane
Concen: 315.428 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

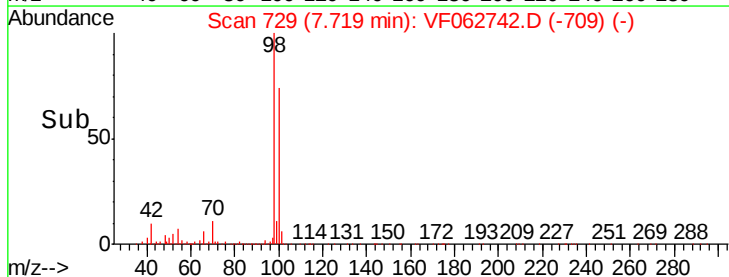
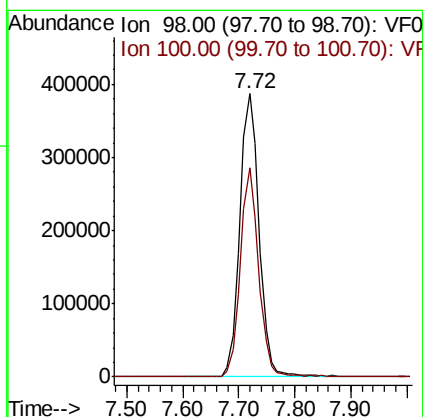
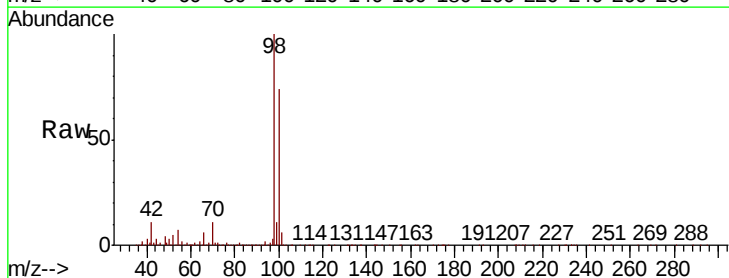
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

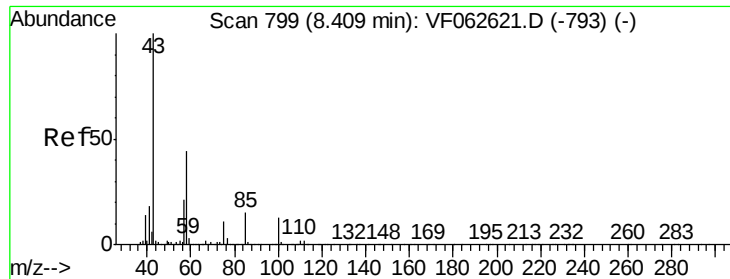
Tot Ion: 88 Resp: 15048
Ion Ratio Lower Upper
88 100
43 37.3 30.0 45.0
58 67.9 51.1 76.7



#50
Toluene-d8
Concen: 38.444 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 98 Resp: 923442
Ion Ratio Lower Upper
98 100
100 73.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 83.332 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

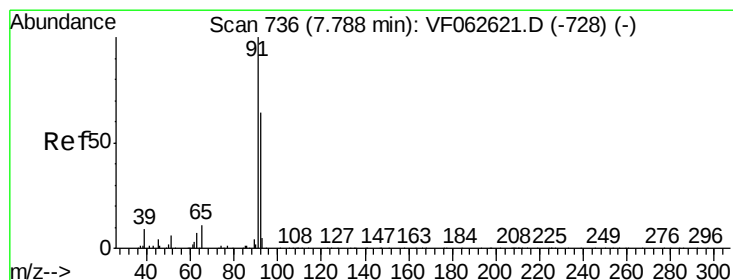
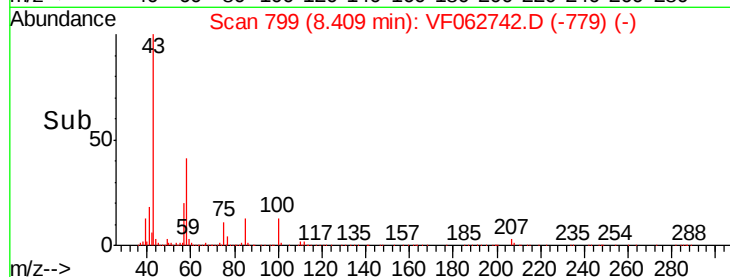
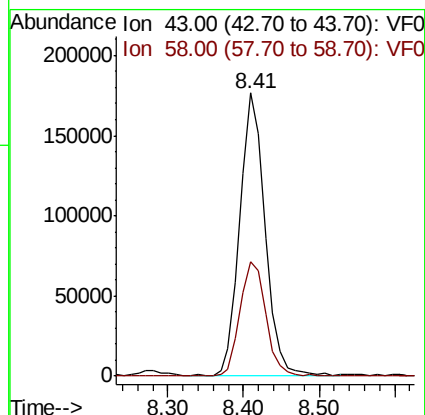
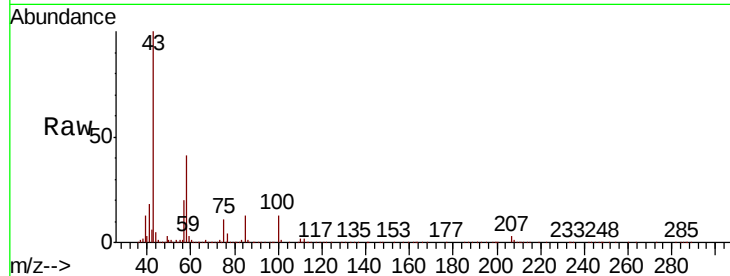
VF0524SBS01

Tot Ion: 43 Resp: 405918

Ion Ratio Lower Upper

43 100

58 40.5 34.9 52.3



#52

Toluene

Concen: 18.162 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062742.D

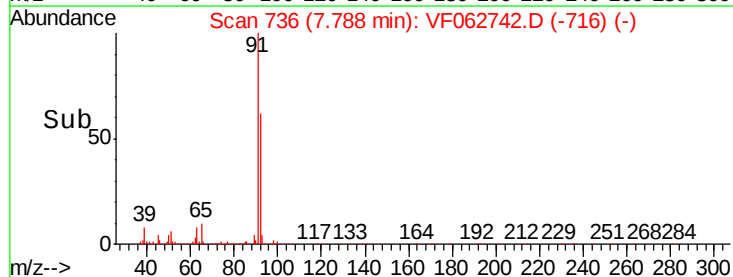
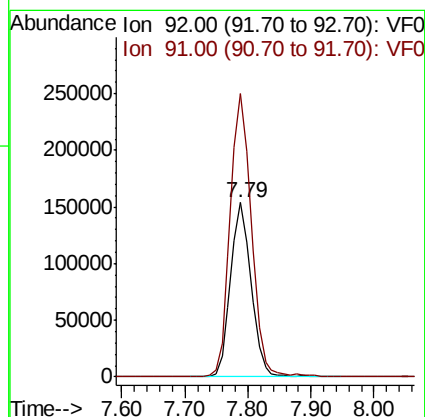
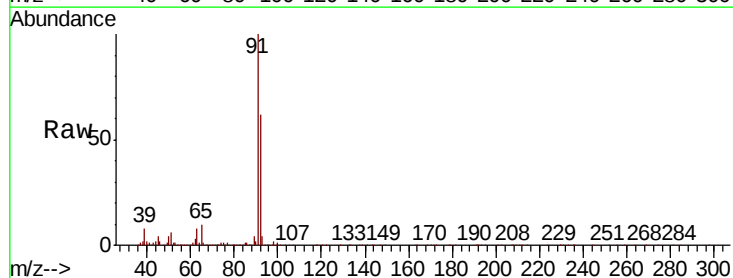
Acq: 24 May 2019 12:50

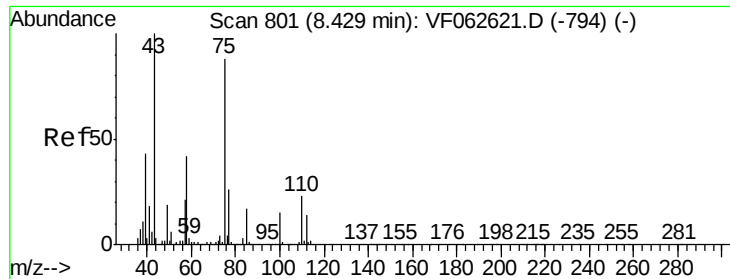
Tgt Ion: 92 Resp: 349586

Ion Ratio Lower Upper

92 100

91 162.4 125.4 188.0

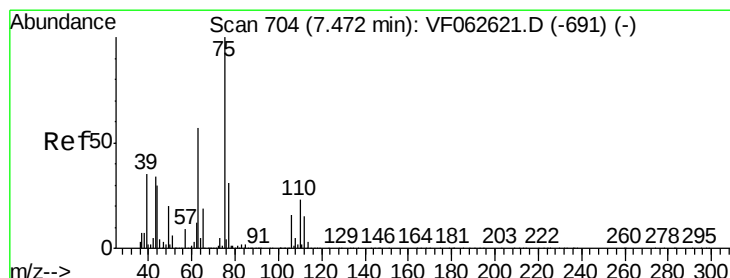
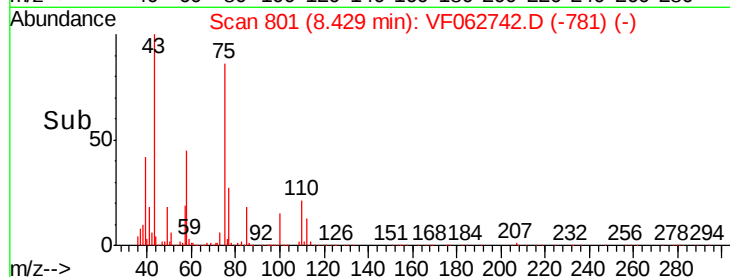
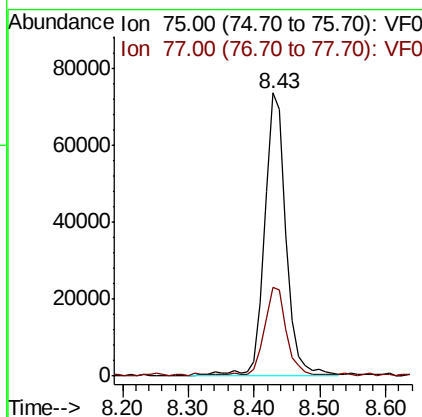
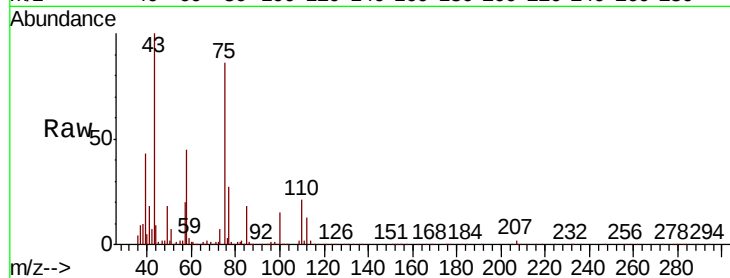




#53
 t-1,3-Dichloropropene
 Concen: 18.361 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

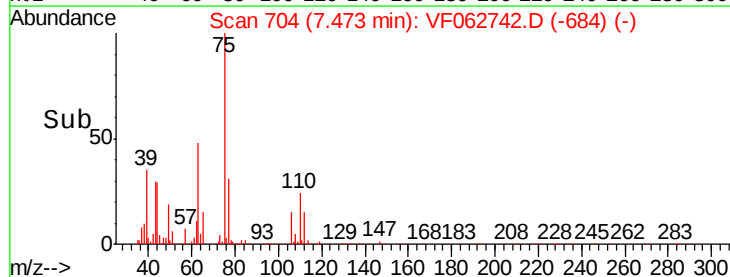
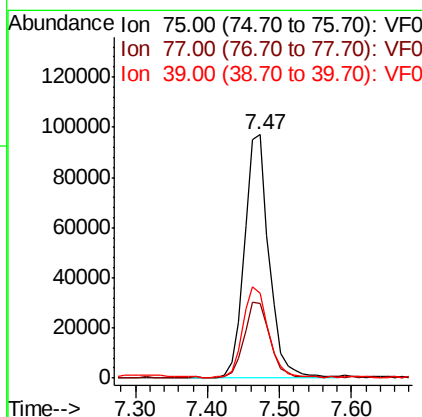
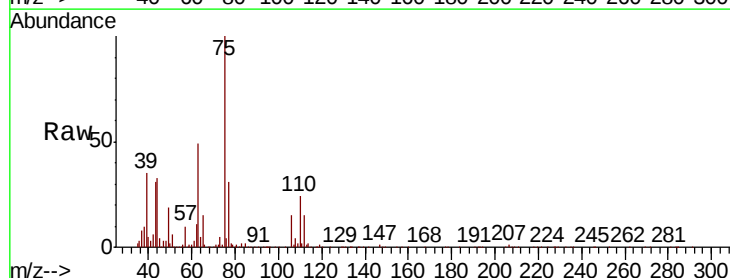
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

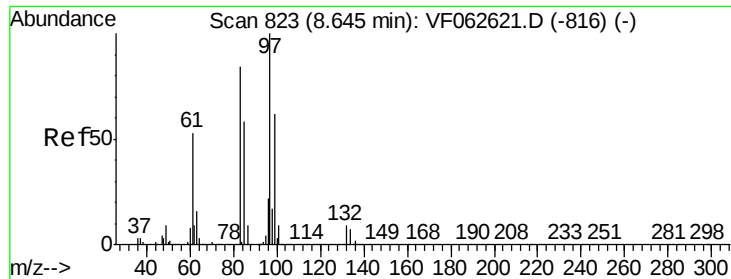
Tot Ion: 75 Resp: 166977
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 18.146 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion: 75 Resp: 231001
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.3 37.9
 39 34.7 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 18.321 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

Tot Ion: 97 Resp: 104414

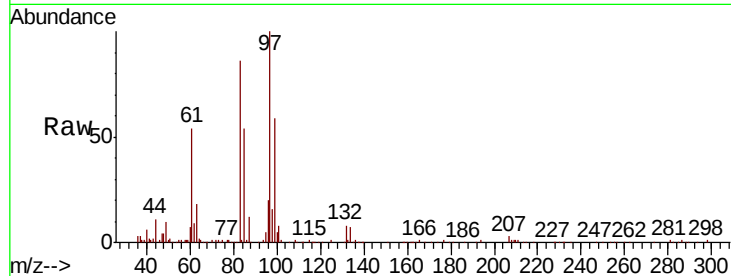
Ion Ratio Lower Upper

97 100

83 86.0 67.3 100.9

85 54.1 46.6 69.8

99 59.4 49.7 74.5

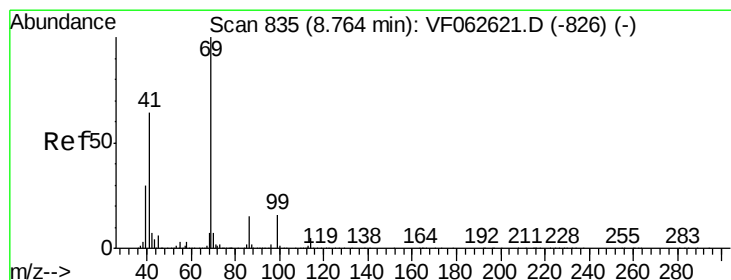
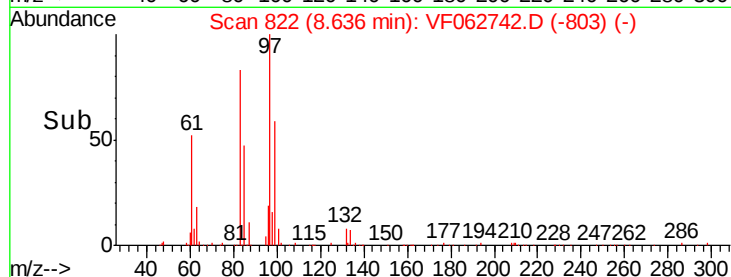
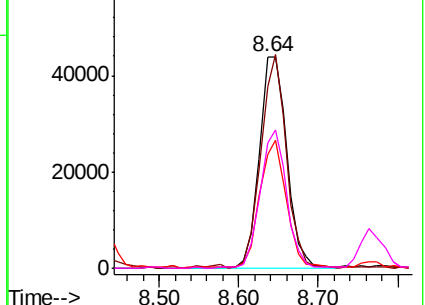


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 15.355 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

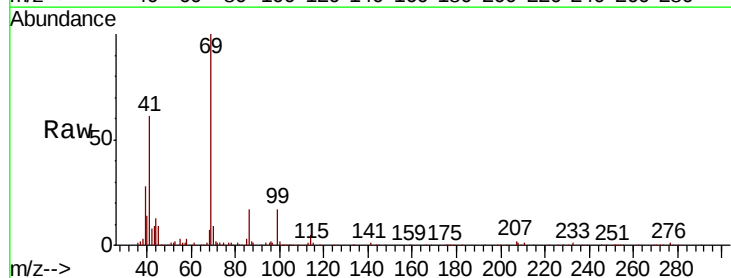
Tgt Ion: 69 Resp: 104253

Ion Ratio Lower Upper

69 100

41 61.2 51.4 77.2

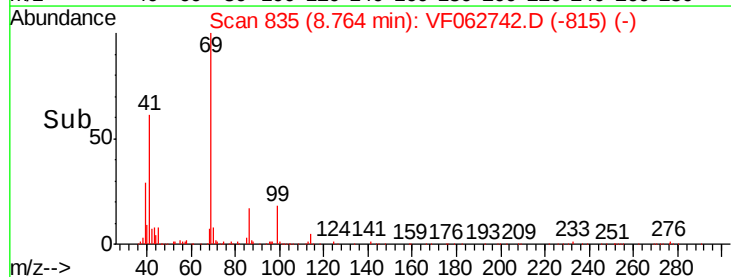
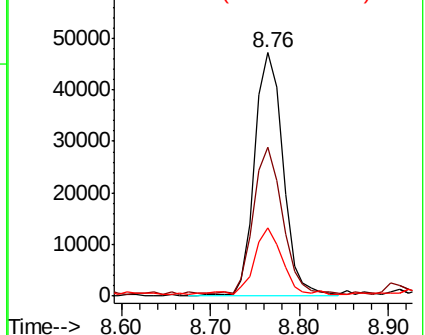
39 28.2 23.6 35.4

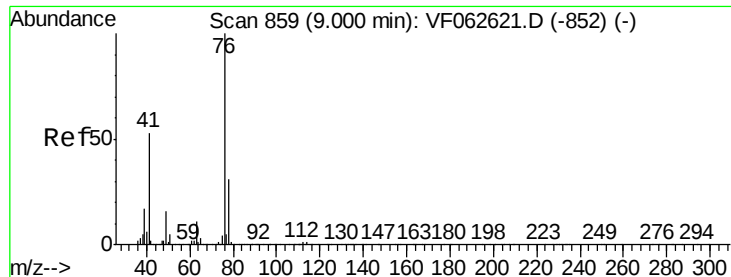


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

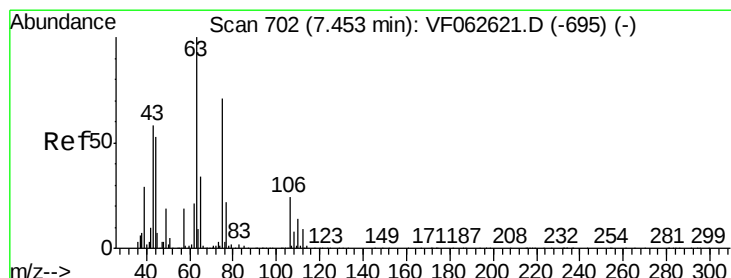
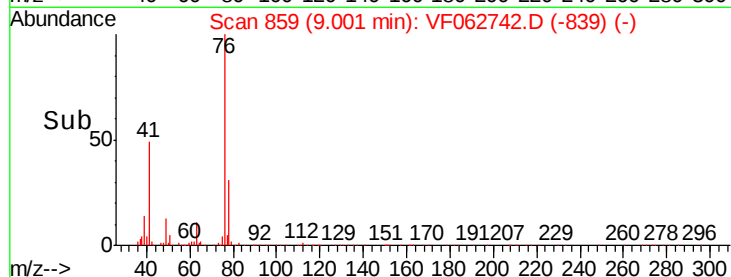
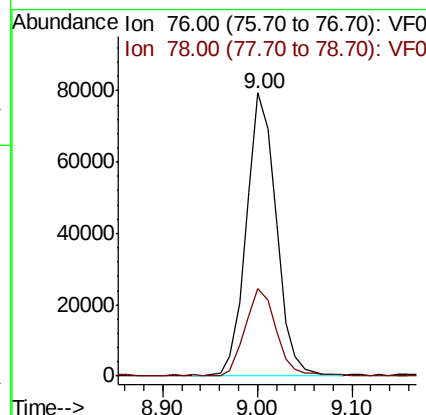
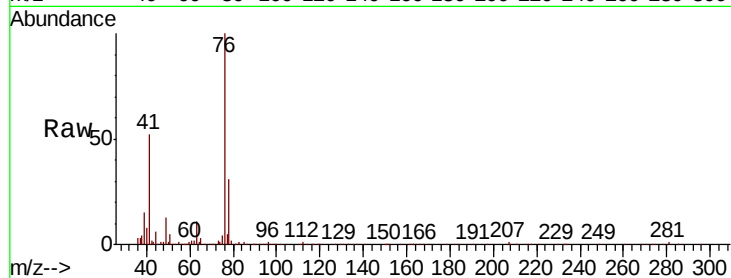




#57
 1,3-Dichloropropane
 Concen: 17.954 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

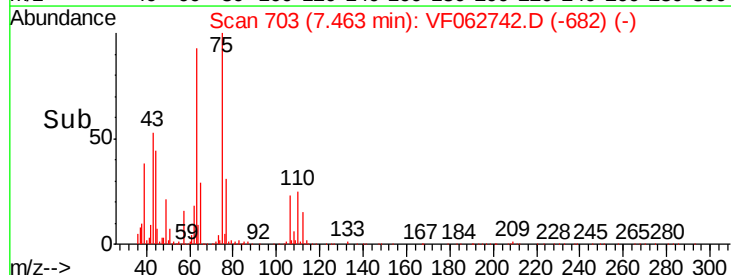
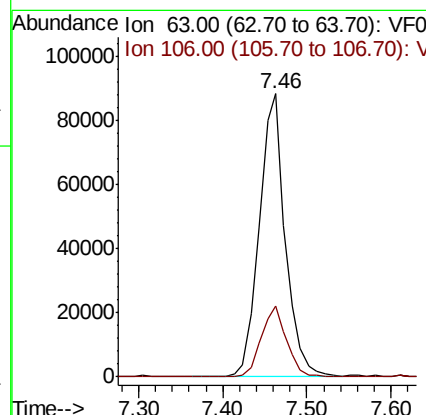
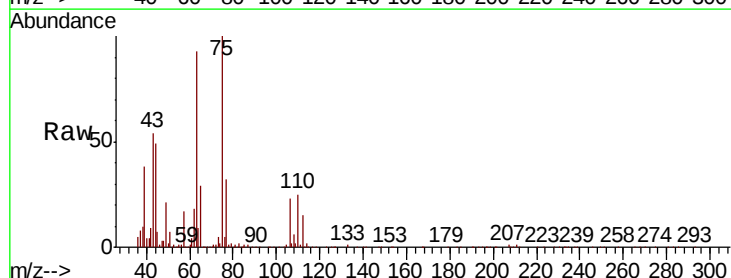
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

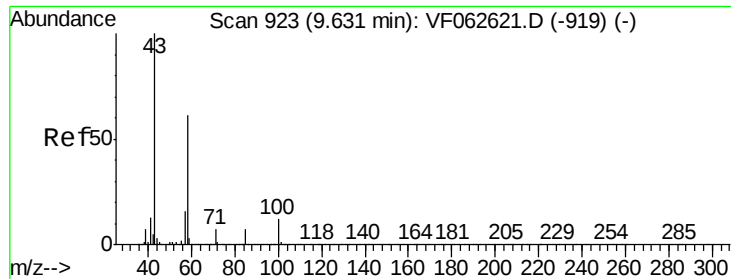
Tot Ion: 76 Resp: 174285
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.386 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion: 63 Resp: 190917
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.1 28.7

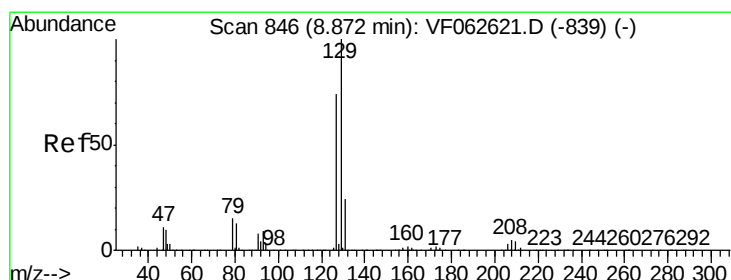
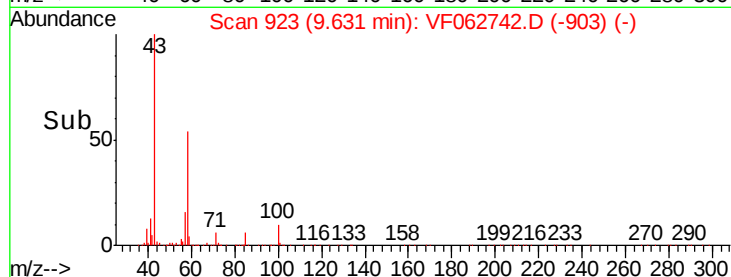
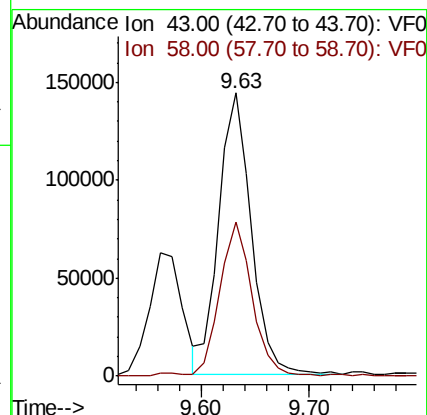
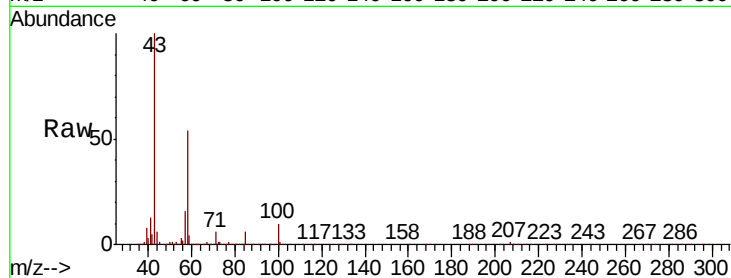




#59
2-Hexanone
Concen: 82.479 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

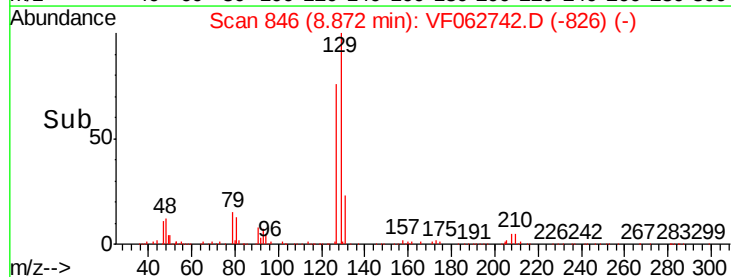
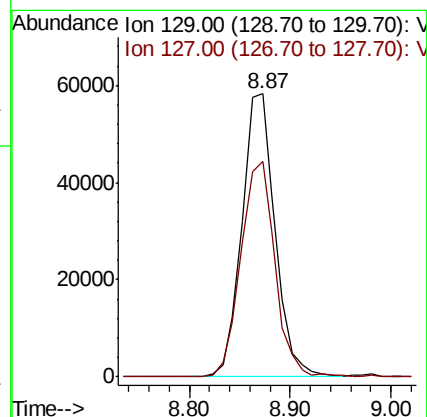
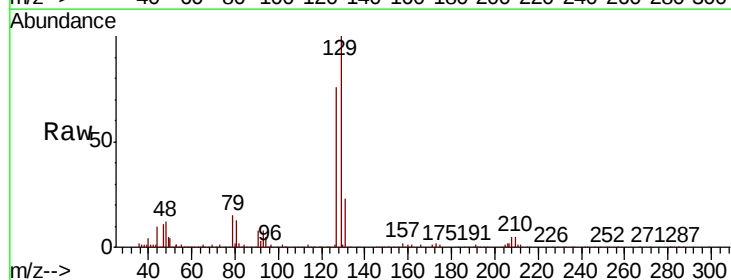
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

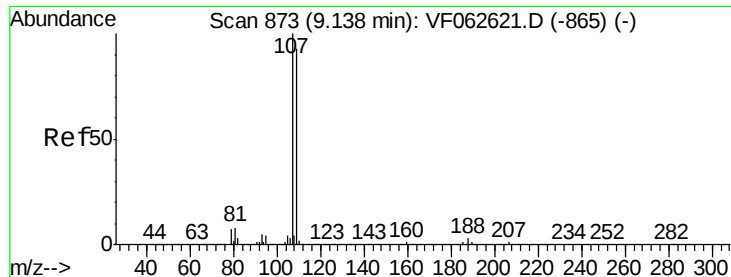
Tot Ion: 43 Resp: 299245
Ion Ratio Lower Upper
43 100
58 54.4 28.1 84.4



#60
Dibromochloromethane
Concen: 18.011 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 129 Resp: 133776
Ion Ratio Lower Upper
129 100
127 76.2 37.2 111.6





#61

1,2-Dibromoethane

Concen: 18.318 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

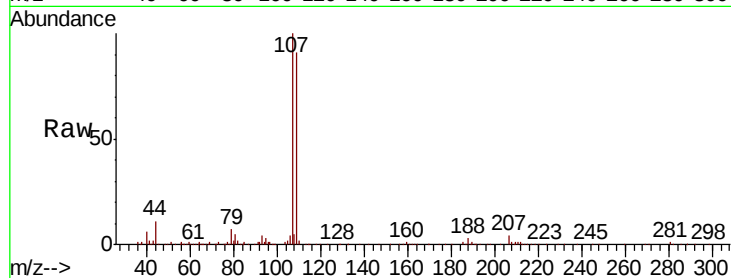
VF0524SBS01

Tot Ion:107 Resp: 110883

Ion Ratio Lower Upper

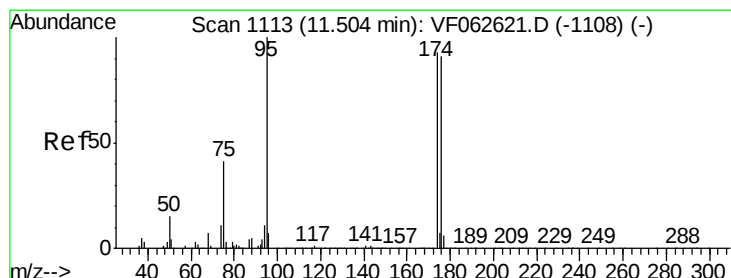
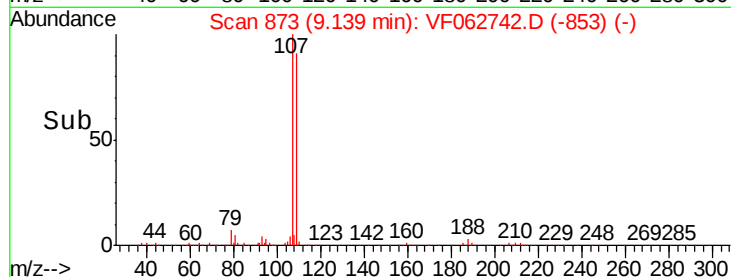
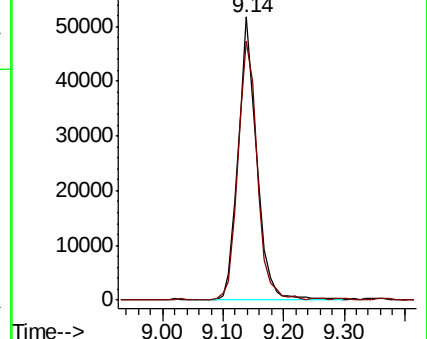
107 100

109 91.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 36.226 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

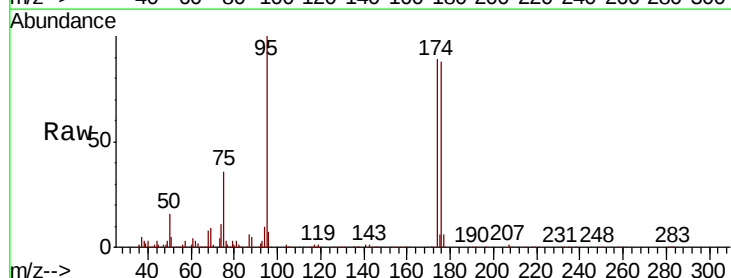
Tgt Ion: 95 Resp: 330023

Ion Ratio Lower Upper

95 100

174 89.4 0.0 185.6

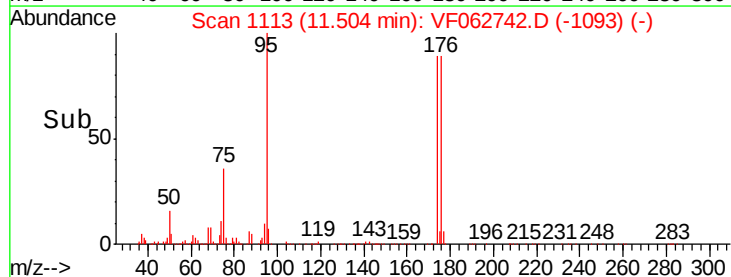
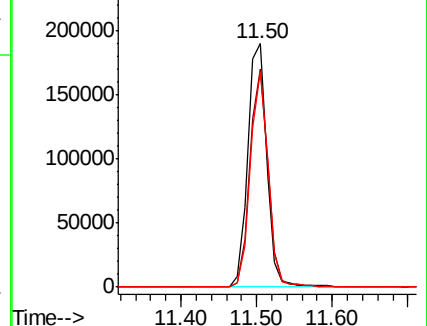
176 88.5 0.0 182.4

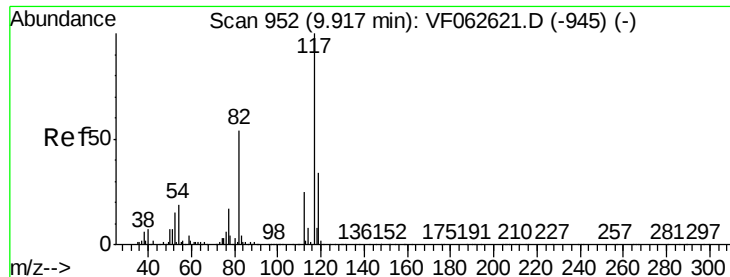


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

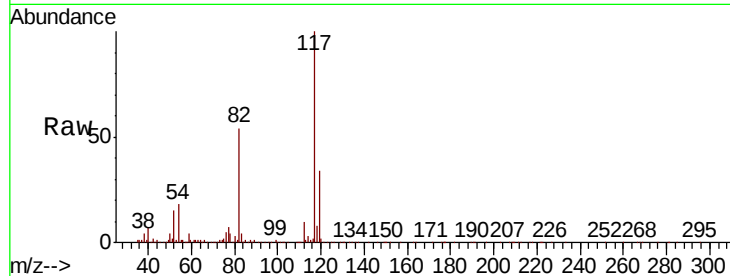




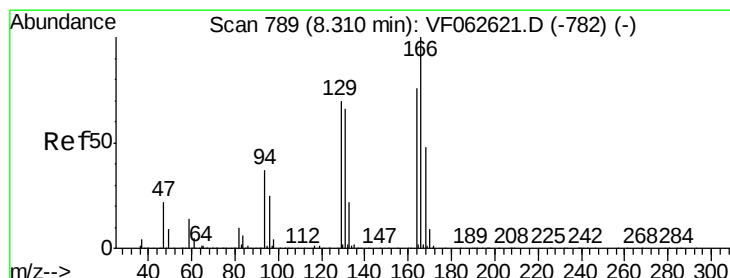
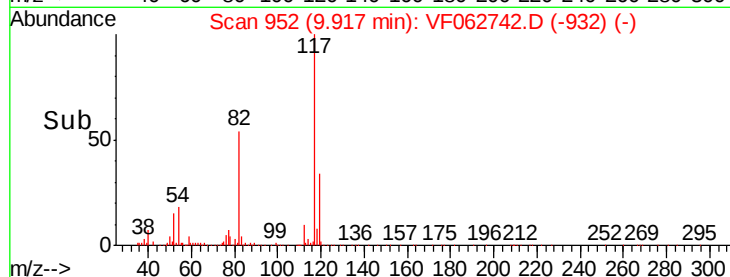
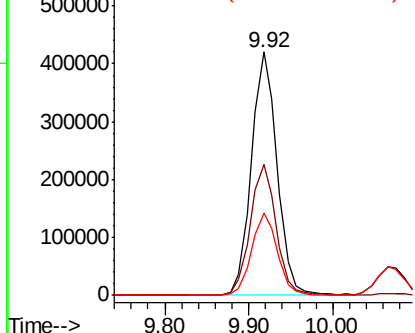
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.3	64.9
119	33.7	27.4	41.0



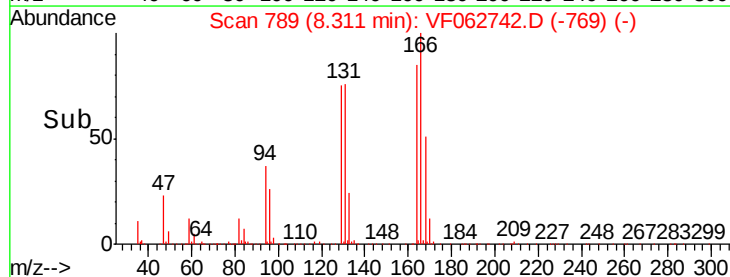
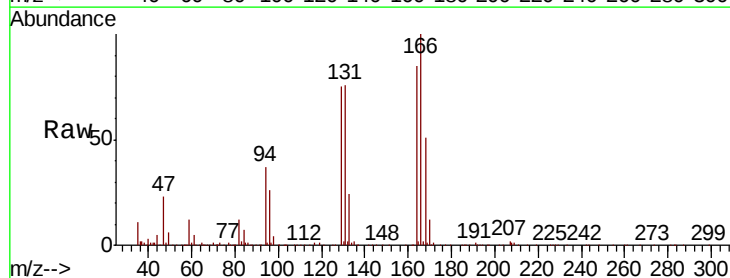
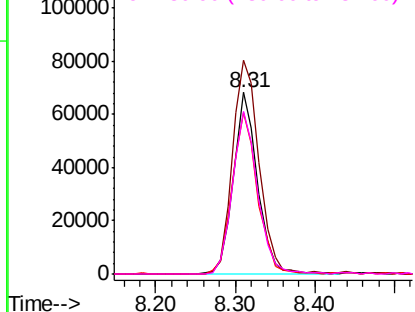
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

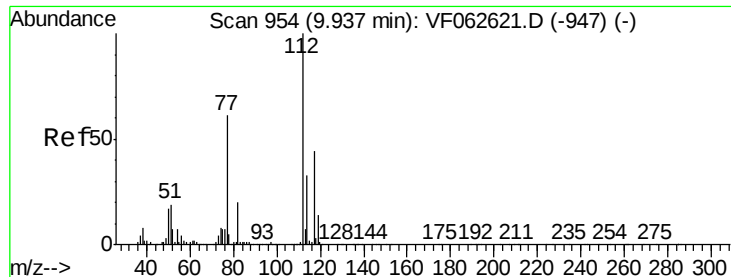


#64
Tetrachloroethene
Concen: 20.178 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.6	105.5	158.3
129	88.6	73.8	110.6
131	89.8	69.5	104.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

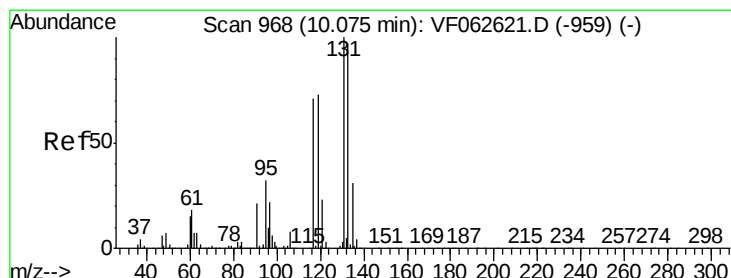
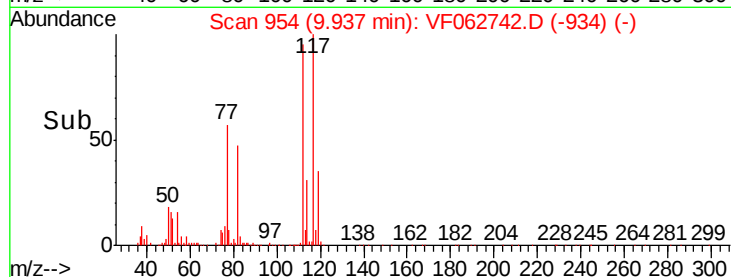
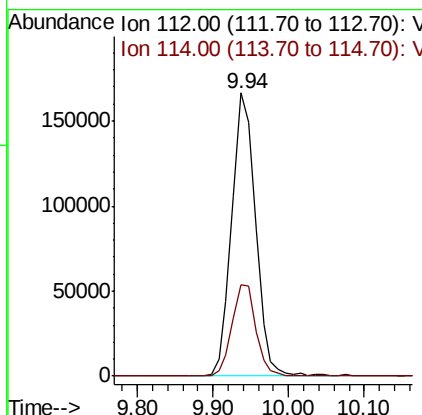
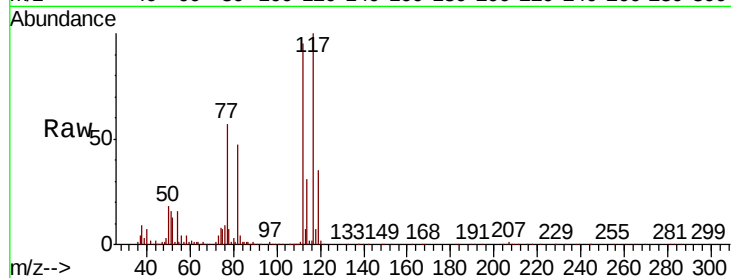




#65
Chlorobenzene
Concen: 20.485 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

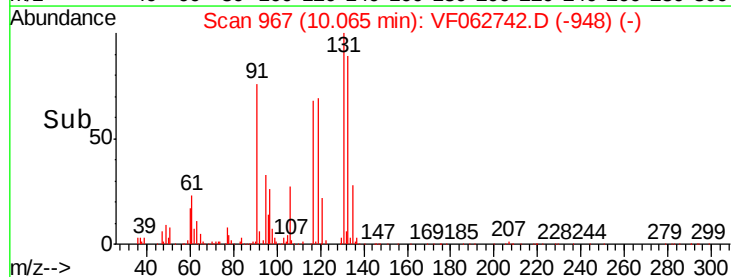
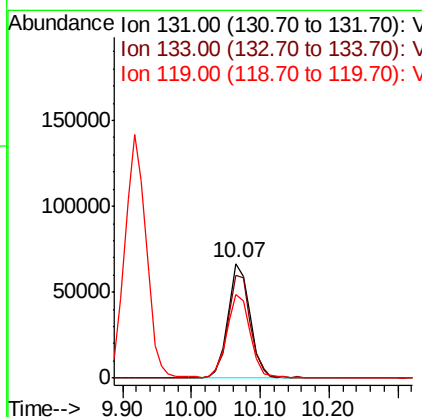
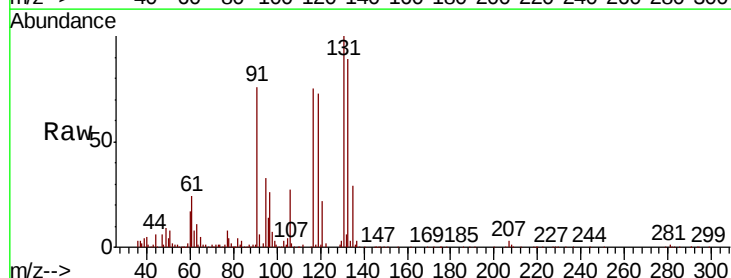
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

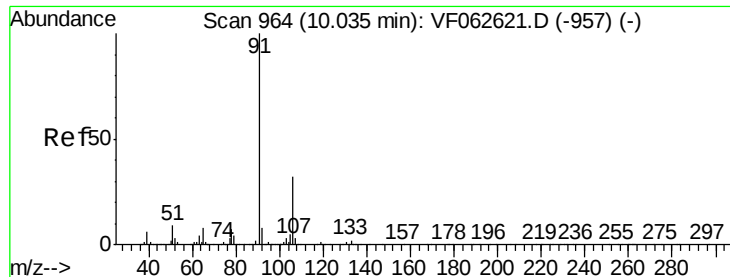
Tot Ion:112 Resp: 363176
Ion Ratio Lower Upper
112 100
114 32.2 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.809 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion:131 Resp: 148102
Ion Ratio Lower Upper
131 100
133 89.3 48.5 145.5
119 72.7 36.8 110.4

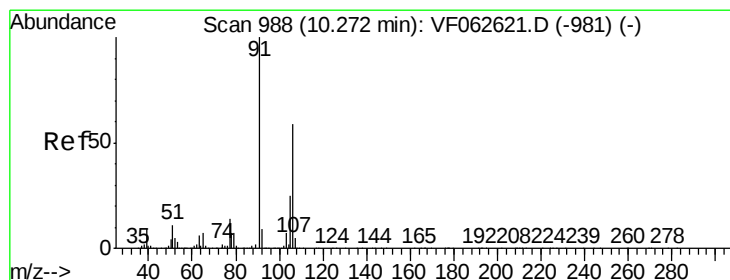
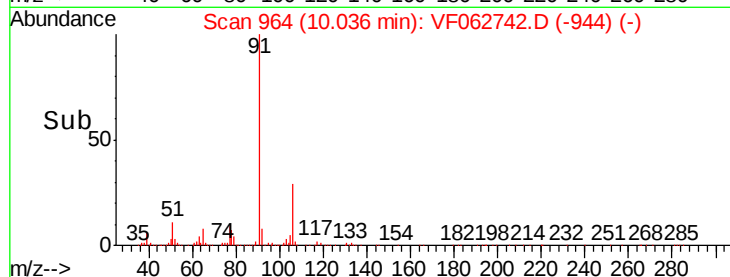
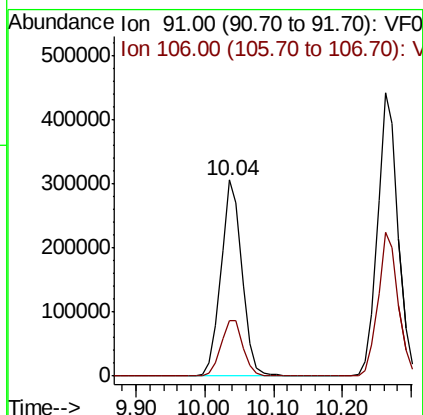
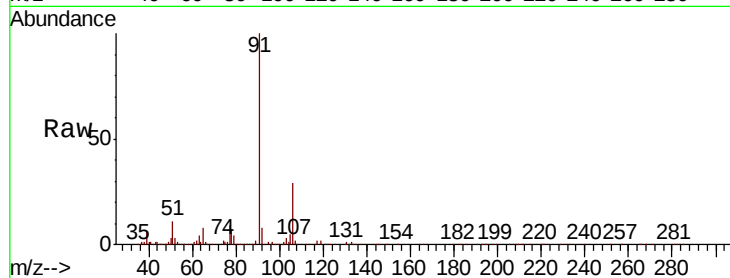




#67
Ethyl Benzene
Concen: 20.994 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

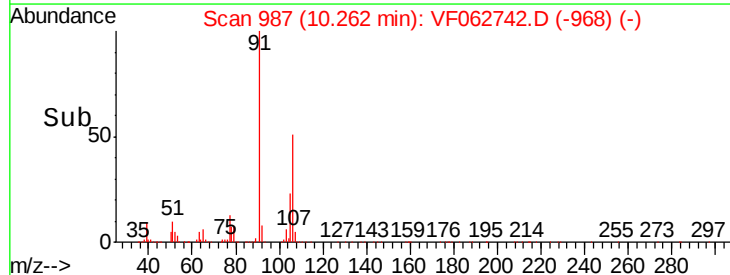
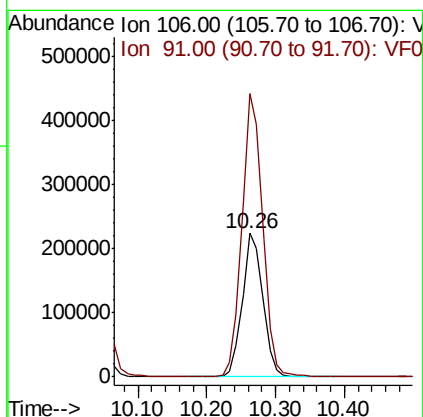
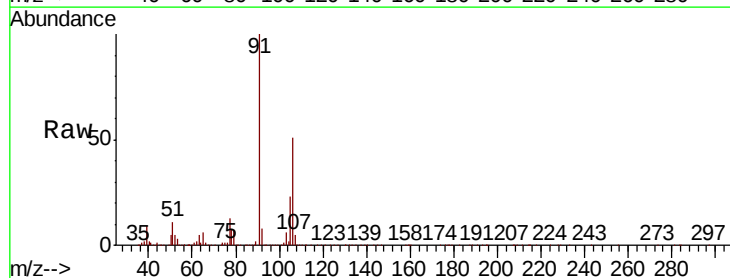
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

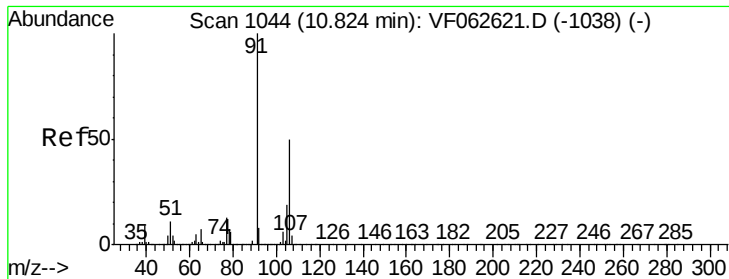
Tot Ion: 91 Resp: 646591
Ion Ratio Lower Upper
91 100
106 28.6 25.8 38.8



#68
m/p-Xylenes
Concen: 40.003 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion: 106 Resp: 463046
Ion Ratio Lower Upper
106 100
91 197.5 136.9 205.3

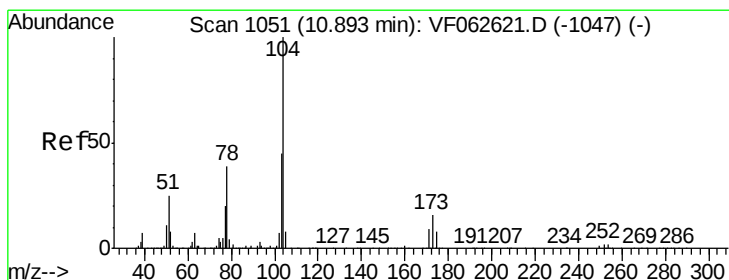
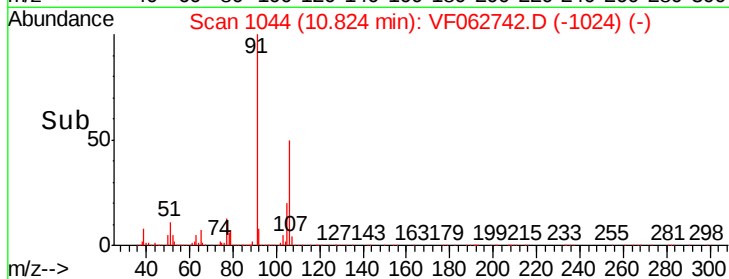
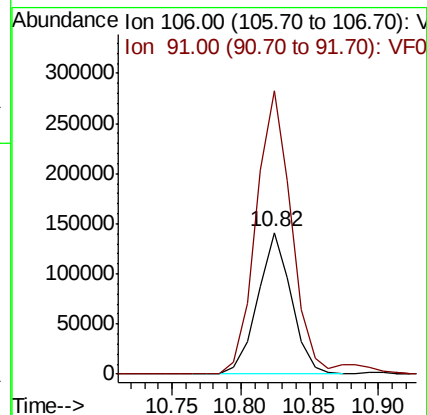
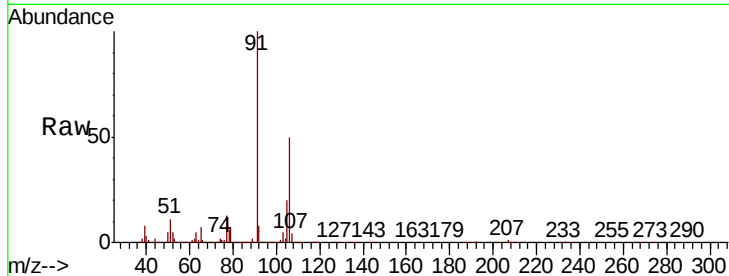




#69
o-Xylene
Concen: 20.181 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

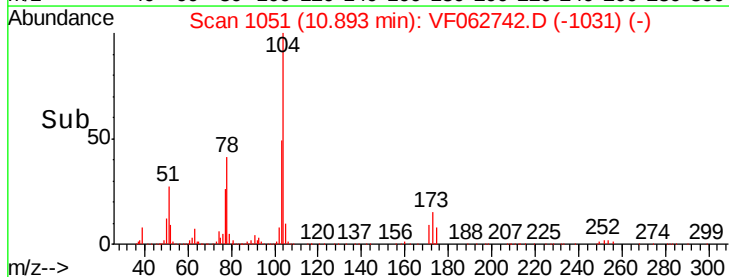
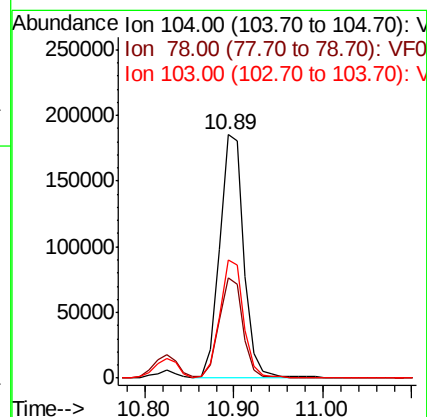
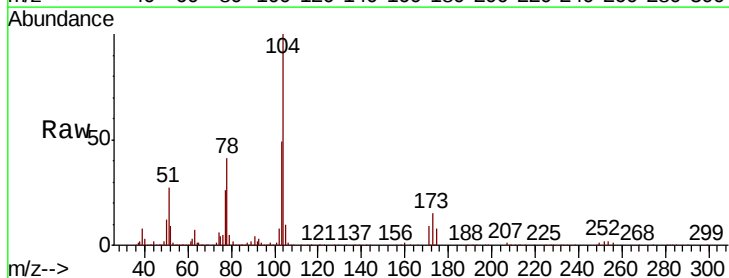
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

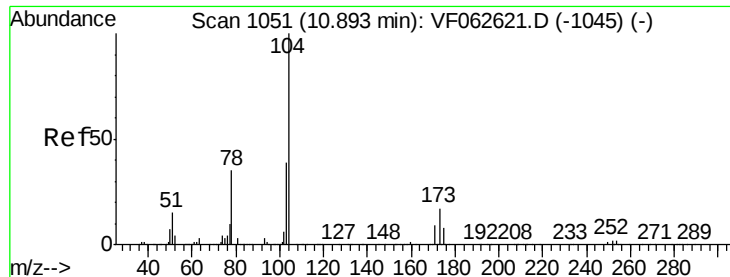
Tot Ion:106 Resp: 240616
Ion Ratio Lower Upper
106 100
91 200.0 100.2 300.5



#70
Styrene
Concen: 19.453 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion:104 Resp: 352520
Ion Ratio Lower Upper
104 100
78 41.1 31.9 47.9
103 48.8 36.1 54.1





#71

Bromoform

Concen: 20.020 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

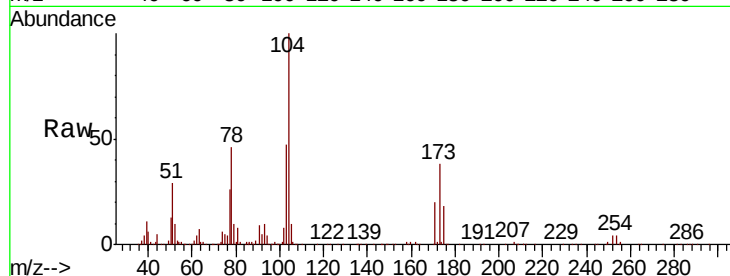
Tot Ion:173 Resp: 71361

Ion Ratio Lower Upper

173 100

175 45.2 25.3 75.9

254 0.0 0.2 0.2#

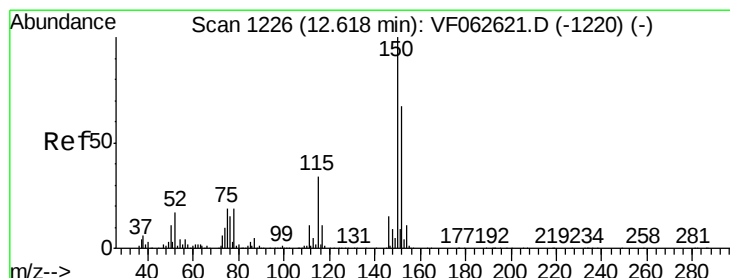
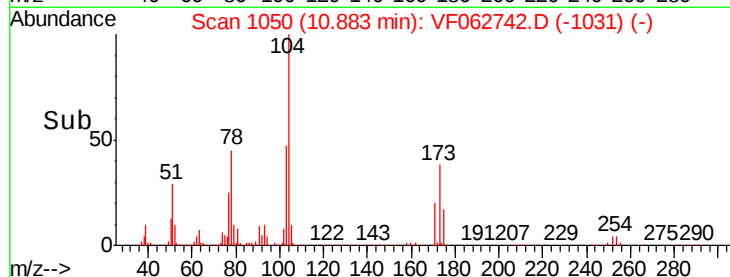
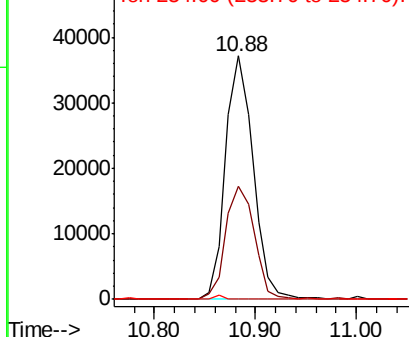


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

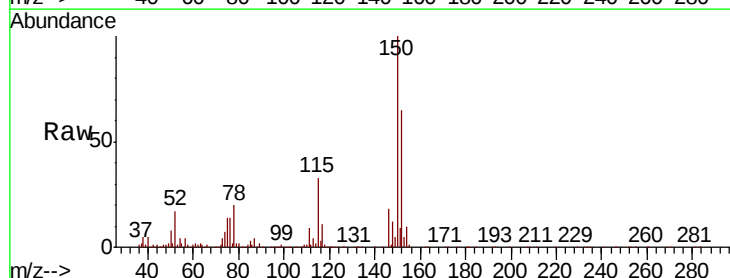
Tgt Ion:152 Resp: 441661

Ion Ratio Lower Upper

152 100

115 50.6 25.2 75.6

150 153.8 0.0 306.2

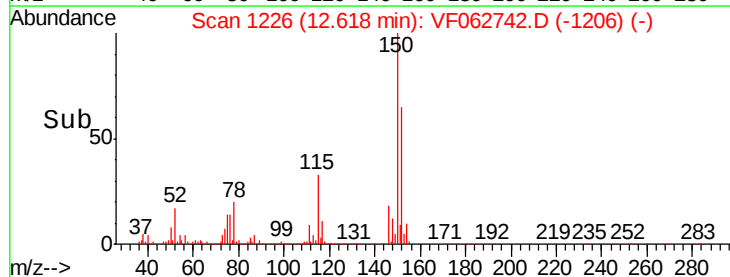
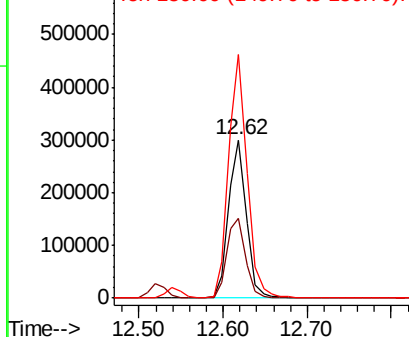


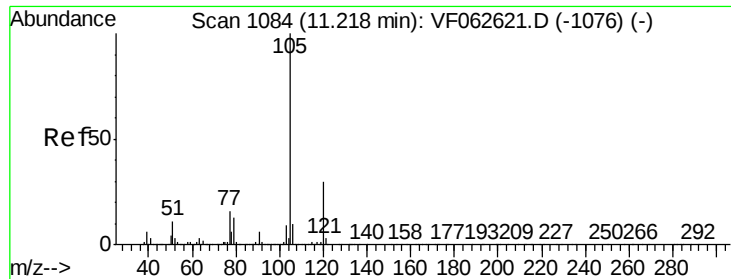
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.101 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

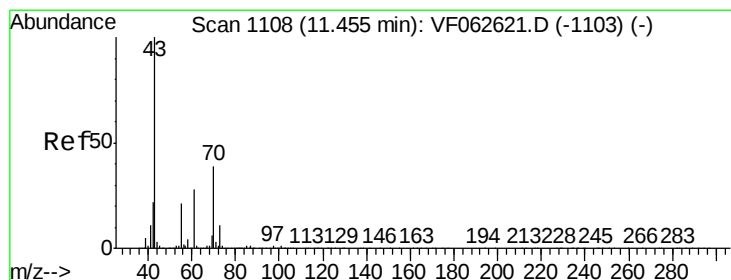
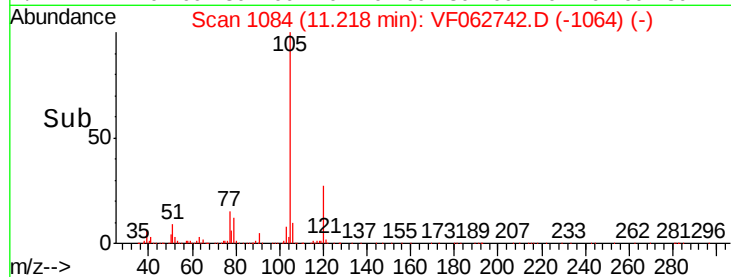
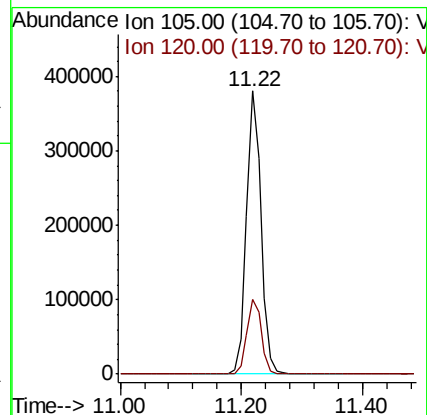
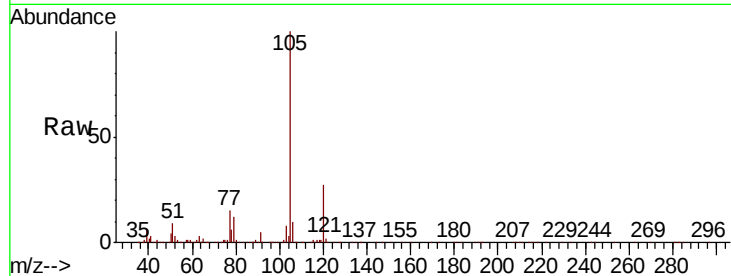
VF0524SBS01

Tot Ion:105 Resp: 636287

Ion Ratio Lower Upper

105 100

120 26.6 14.8 44.4



#74

N-ethyl acetate

Concen: 19.250 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Tgt Ion: 43 Resp: 181771

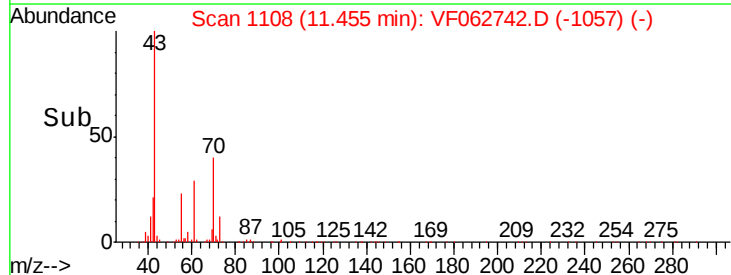
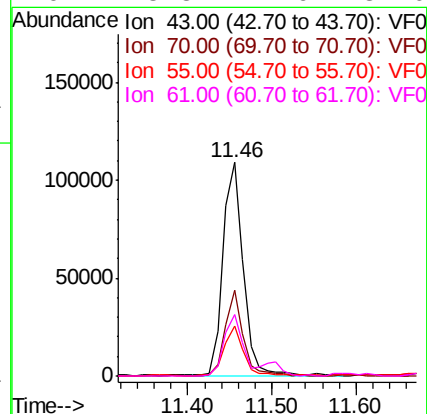
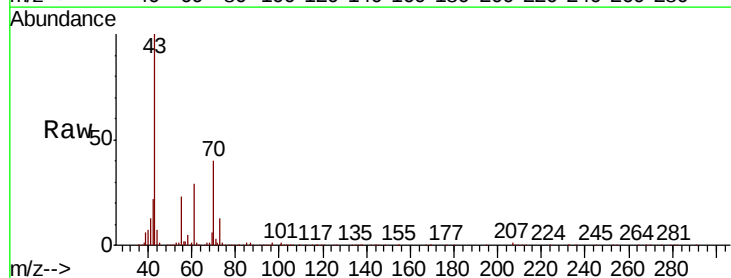
Ion Ratio Lower Upper

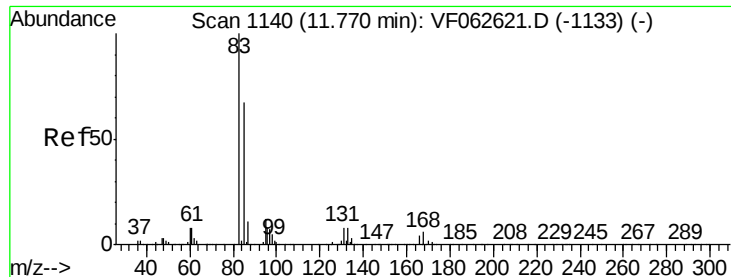
43 100

70 40.2 30.9 46.3

55 23.2 17.0 25.4

61 28.8 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.453 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

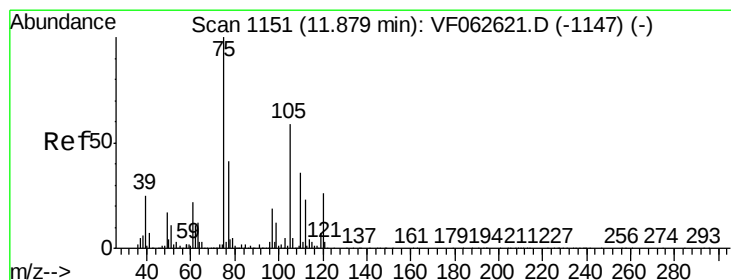
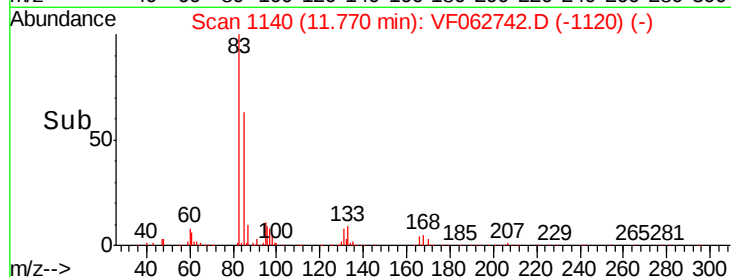
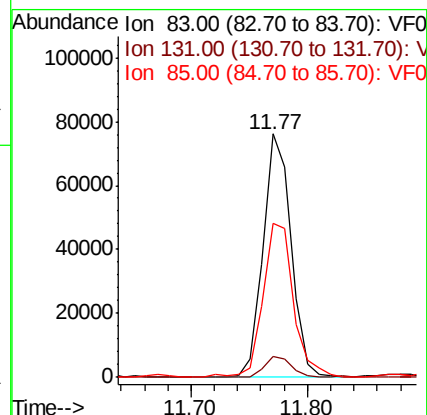
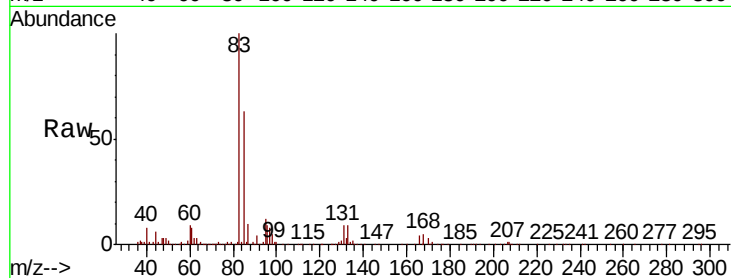
Tot Ion: 83 Resp: 125841

Ion Ratio Lower Upper

83 100

131 8.7 4.0 12.0

85 63.2 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 19.313 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062742.D

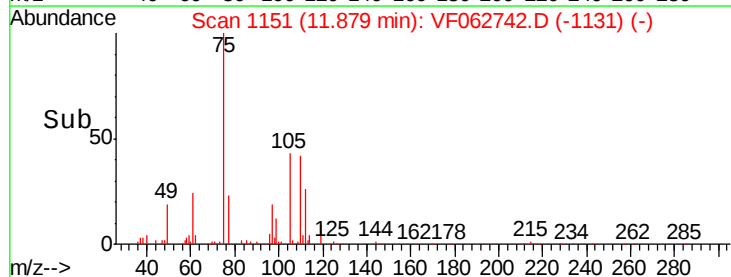
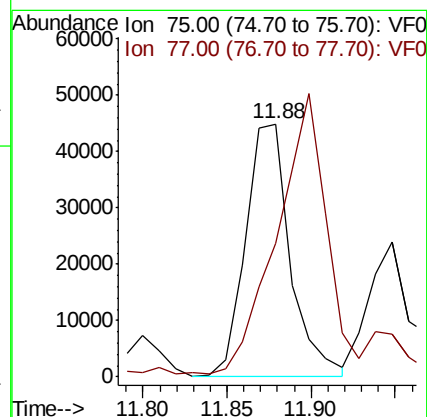
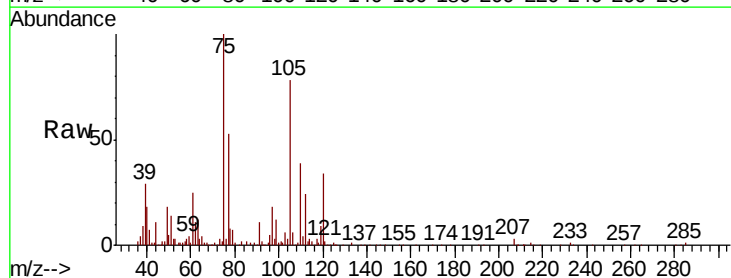
Acq: 24 May 2019 12:50

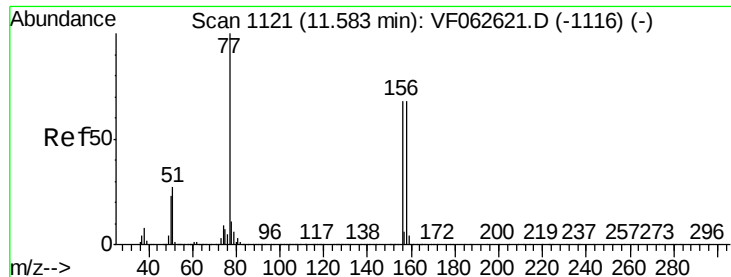
Tgt Ion: 75 Resp: 82092

Ion Ratio Lower Upper

75 100

77 52.9 20.6 61.8





#77

Bromobenzene

Concen: 19.631 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

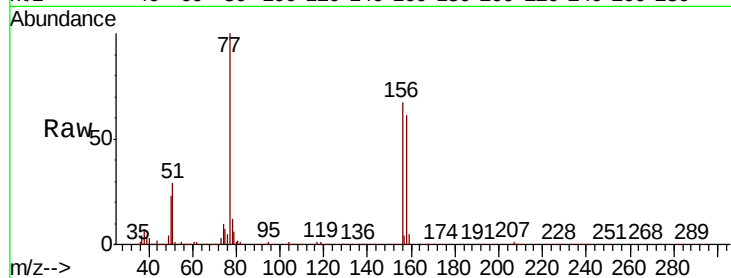
Tot Ion:156 Resp: 154466

Ion Ratio Lower Upper

156 100

77 150.3 73.6 220.8

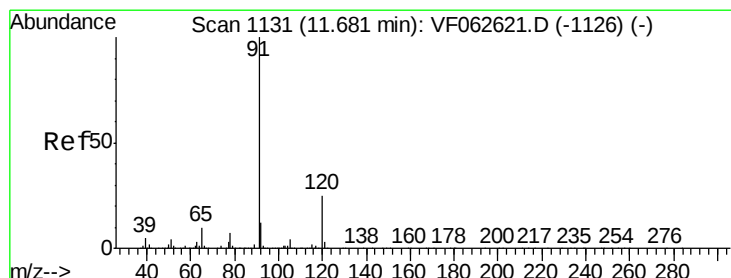
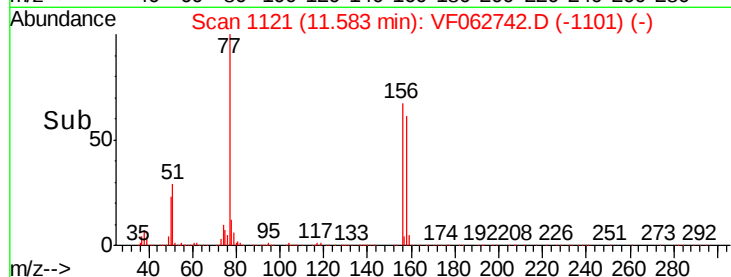
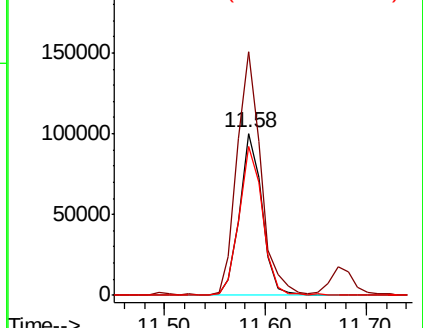
158 92.0 49.6 148.8



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: 20.449 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062742.D

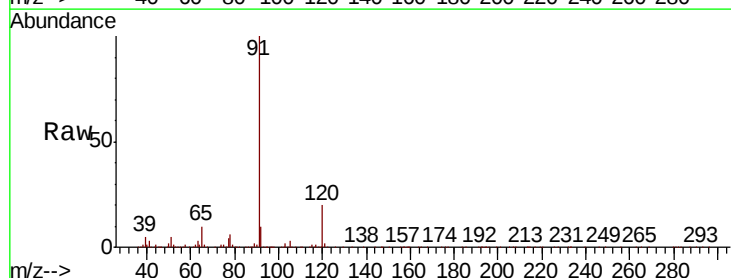
Acq: 24 May 2019 12:50

Tgt Ion: 91 Resp: 766082

Ion Ratio Lower Upper

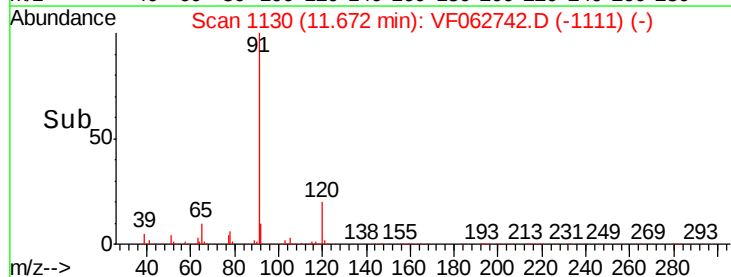
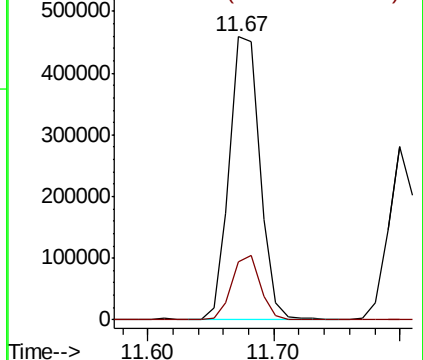
91 100

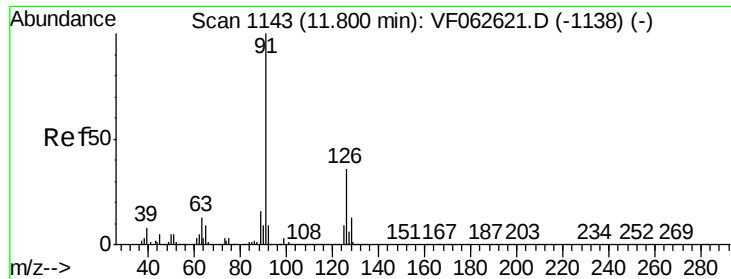
120 20.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.286 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

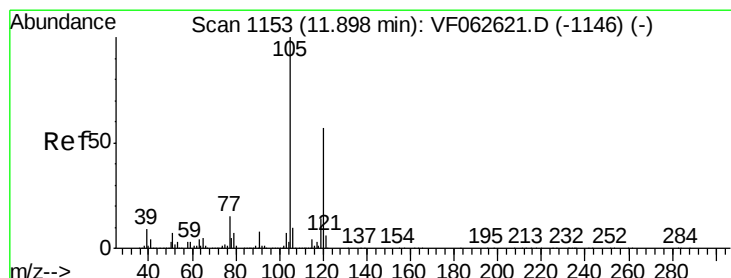
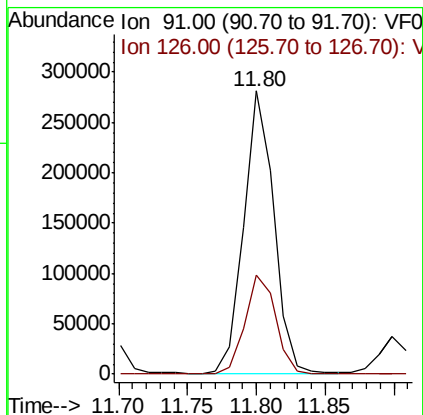
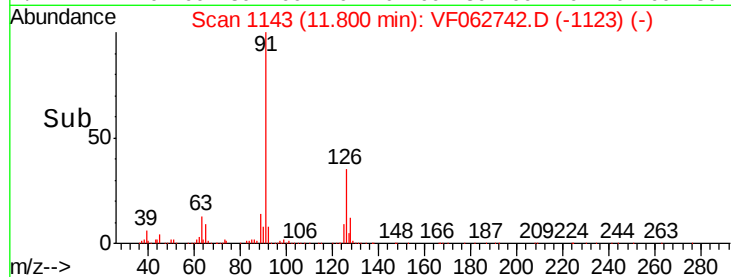
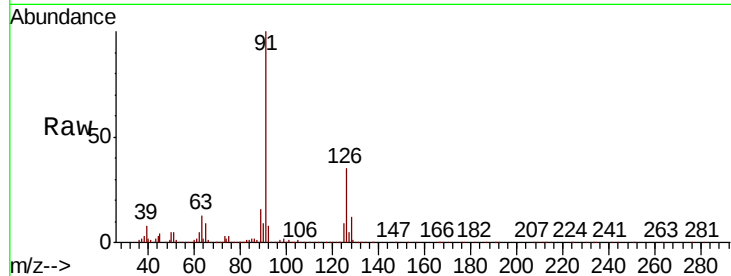
VF0524SBSD01

Tot Ion: 91 Resp: 428290

Ion Ratio Lower Upper

91 100

126 34.9 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.469 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062742.D

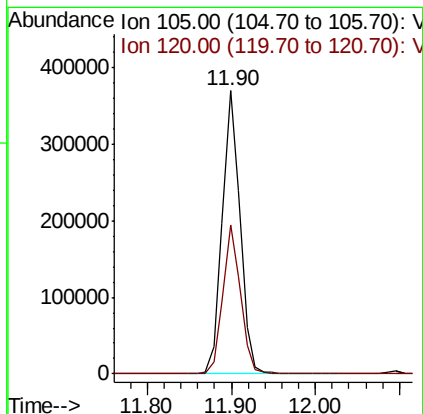
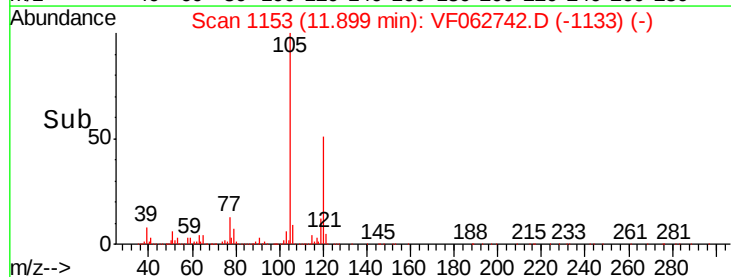
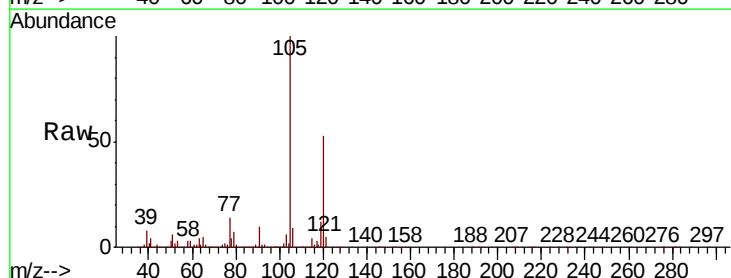
Acq: 24 May 2019 12:50

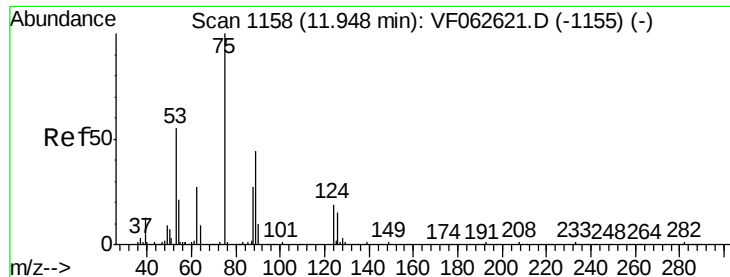
Tgt Ion:105 Resp: 544921

Ion Ratio Lower Upper

105 100

120 52.6 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 25.760 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

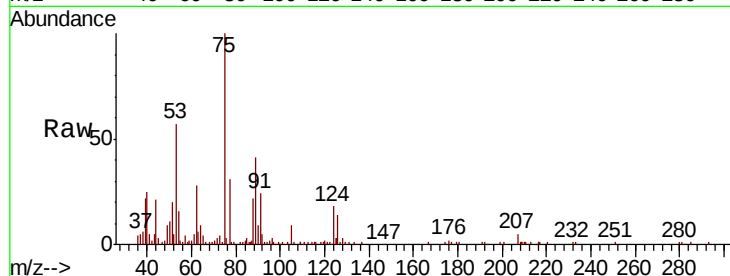
Tot Ion: 75 Resp: 48671

Ion Ratio Lower Upper

75 100

53 56.5 46.9 70.3

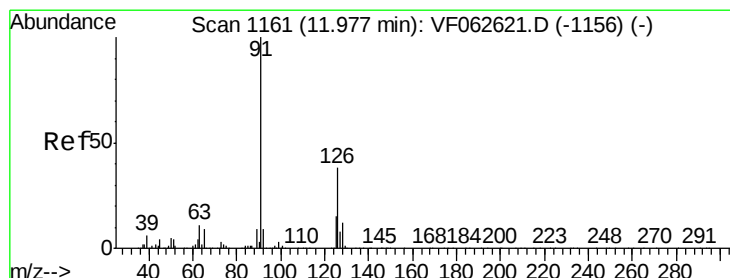
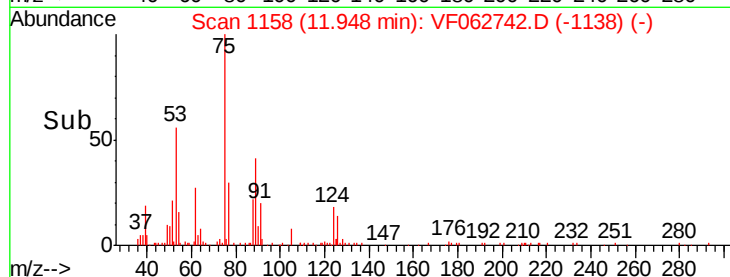
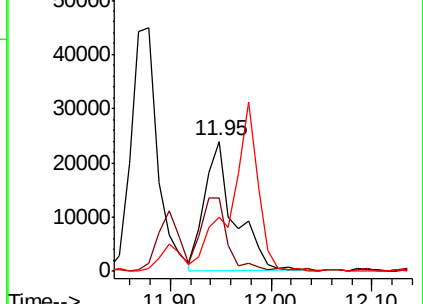
89 41.3 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.573 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062742.D

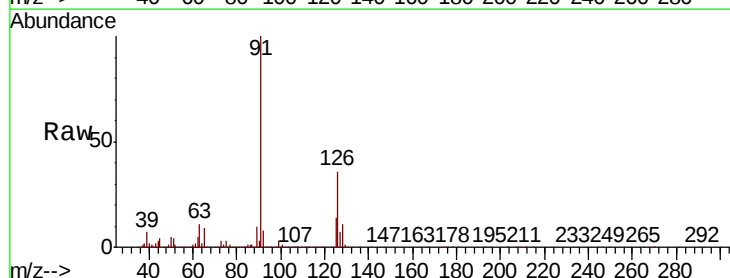
Acq: 24 May 2019 12:50

Tgt Ion: 91 Resp: 449144

Ion Ratio Lower Upper

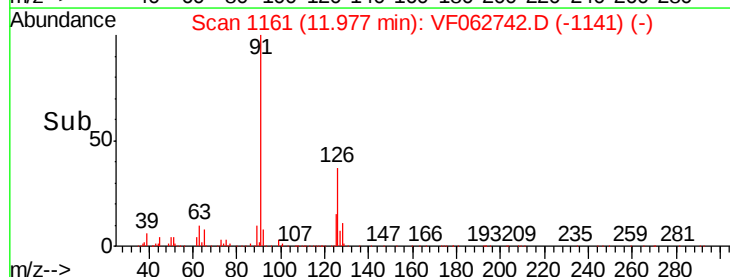
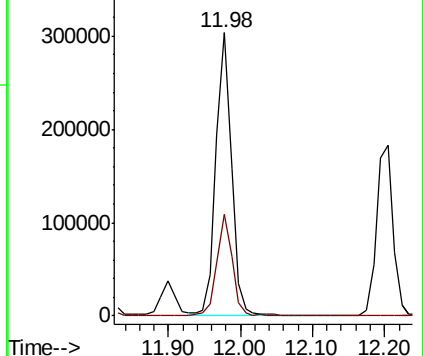
91 100

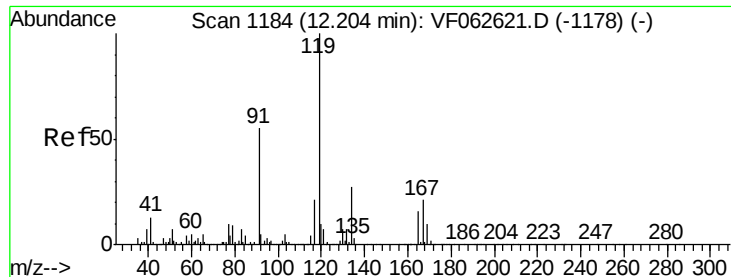
126 35.9 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.287 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

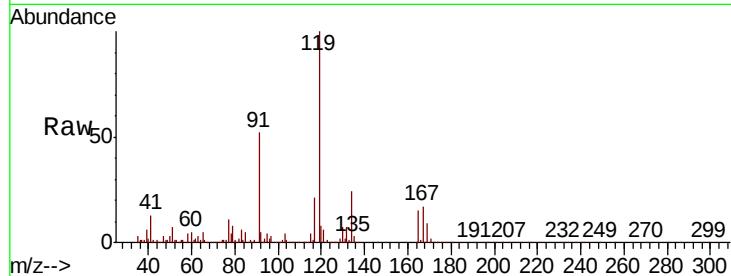
Tot Ion:119 Resp: 548182

Ion Ratio Lower Upper

119 100

91 51.8 27.3 81.9

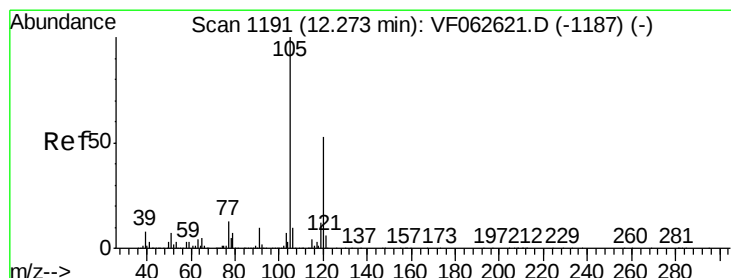
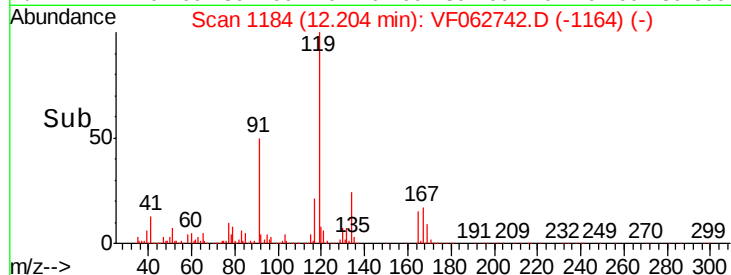
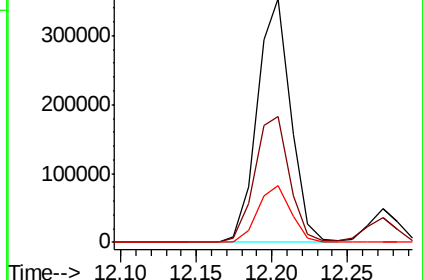
134 23.5 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.499 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062742.D

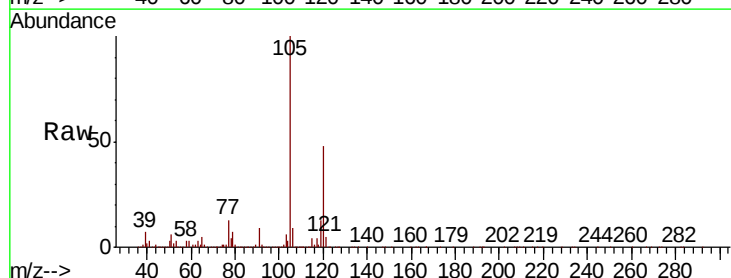
Acq: 24 May 2019 12:50

Tgt Ion:105 Resp: 528162

Ion Ratio Lower Upper

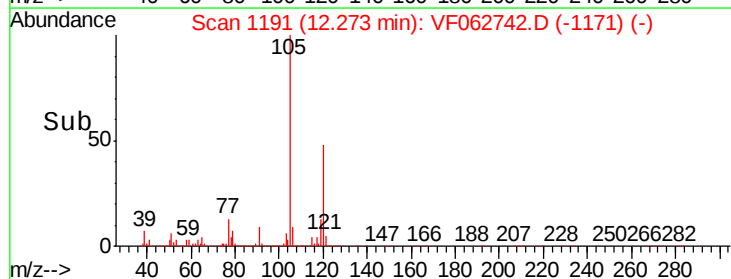
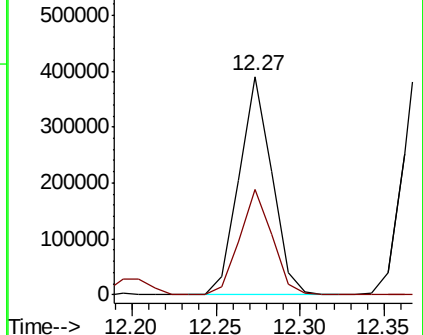
105 100

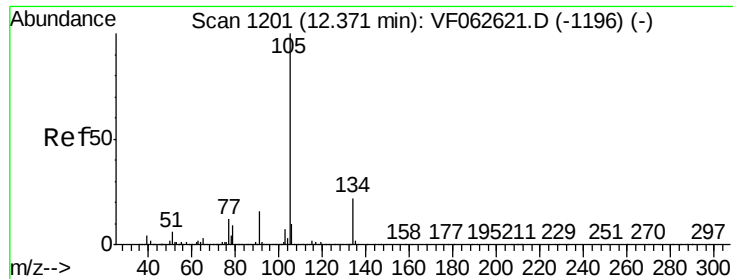
120 48.3 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

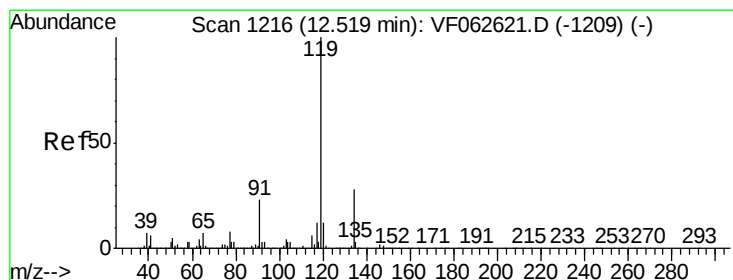
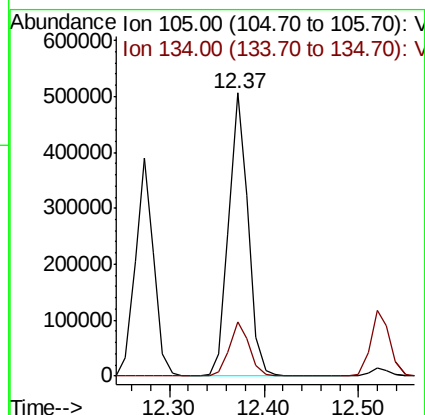
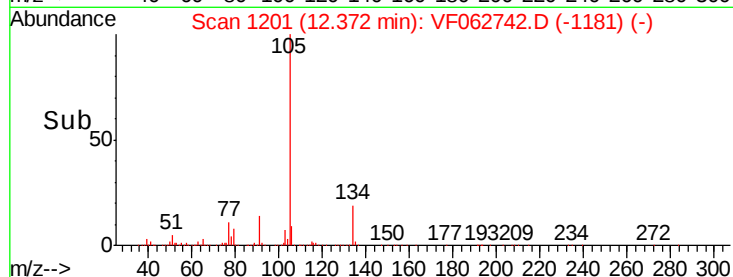
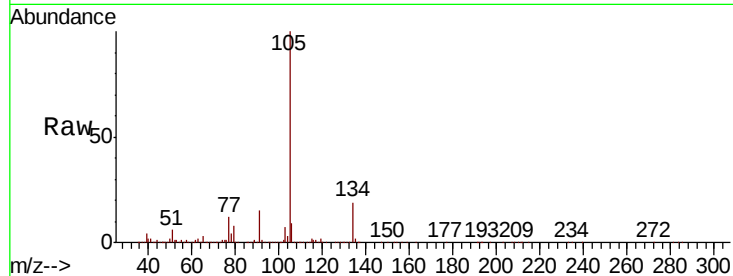




#85
 sec-Butylbenzene
 Concen: 20.680 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

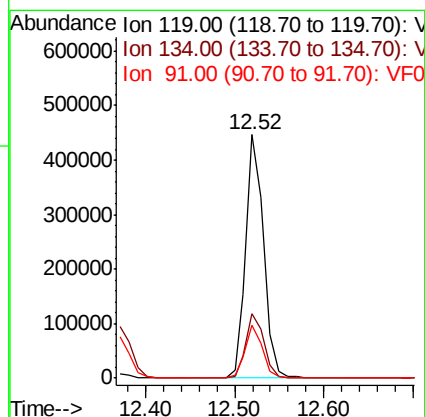
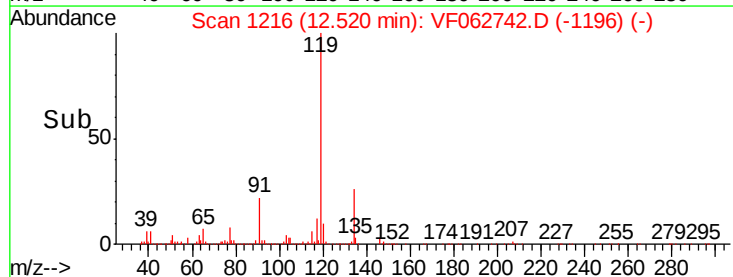
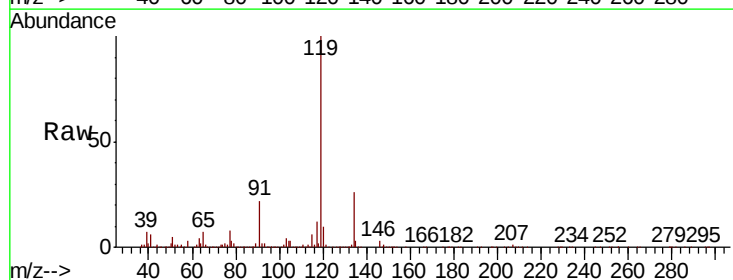
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

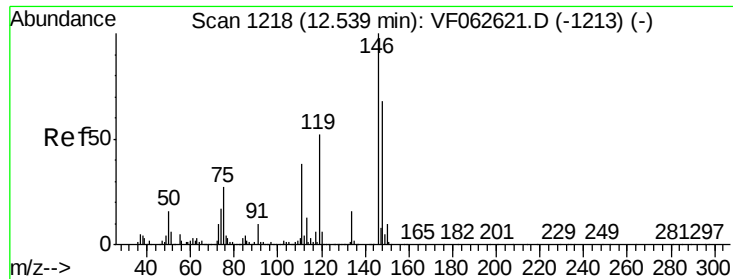
Tot Ion:105 Resp: 714691
 Ion Ratio Lower Upper
 105 100
 134 19.0 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 21.247 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion:119 Resp: 618817
 Ion Ratio Lower Upper
 119 100
 134 26.3 14.1 42.3
 91 21.7 11.4 34.2

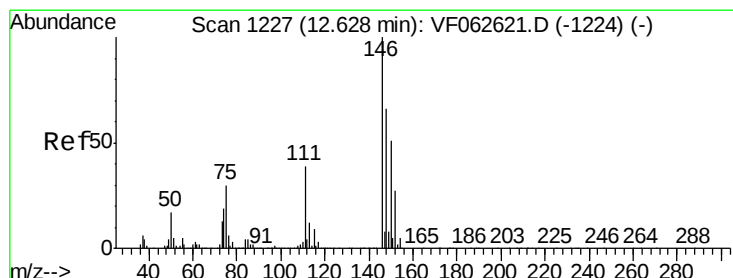
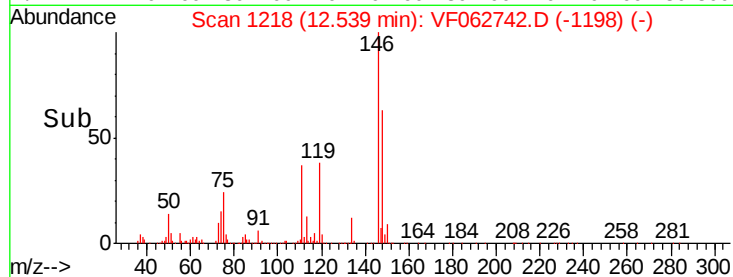
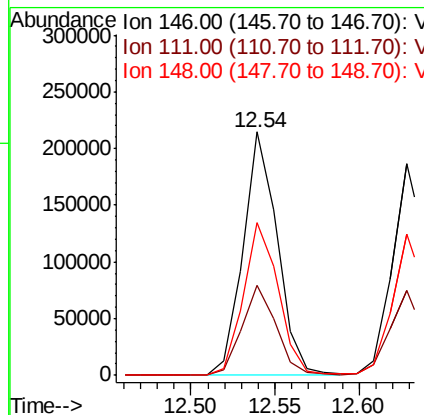
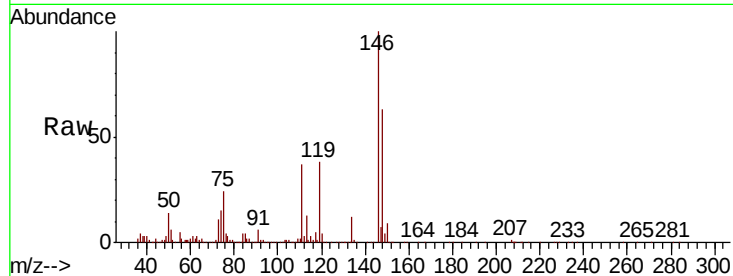




#87
 1,3-Dichlorobenzene
 Concen: 21.414 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

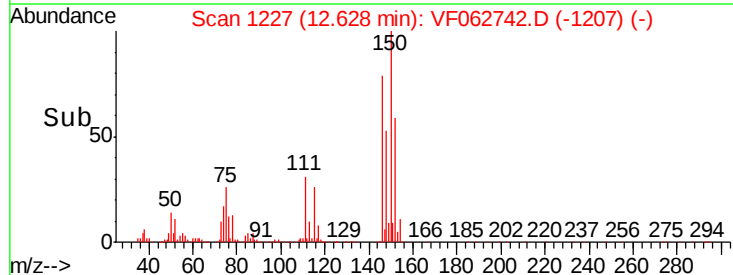
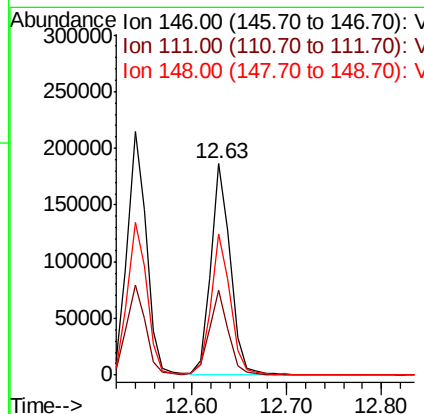
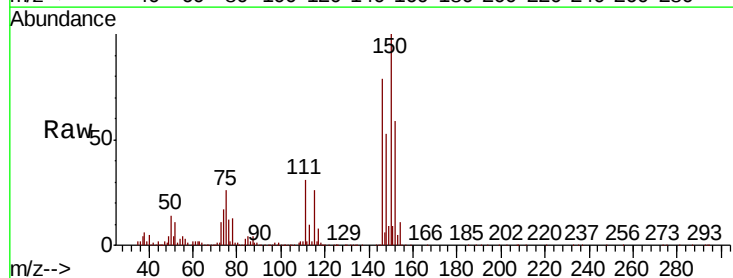
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

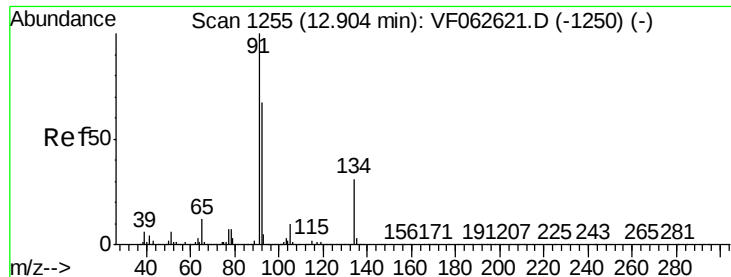
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	62.9	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 20.402 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.2
148	67.0	33.2	99.6

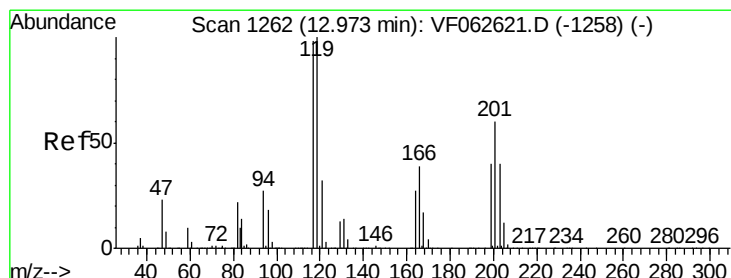
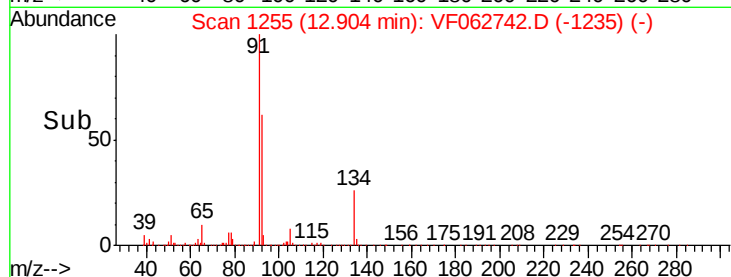
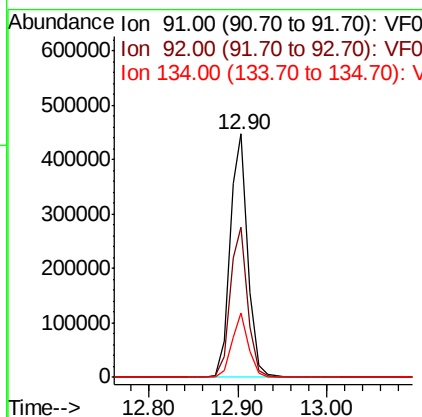
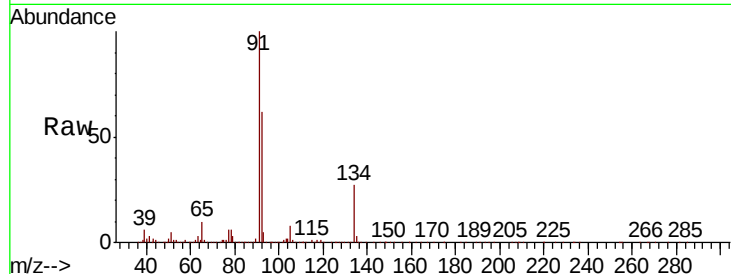




#89
n-Butylbenzene
Concen: 21.928 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

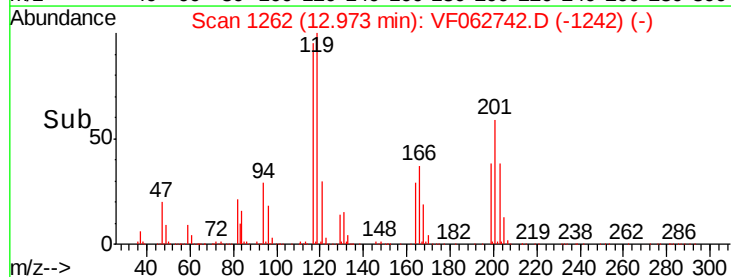
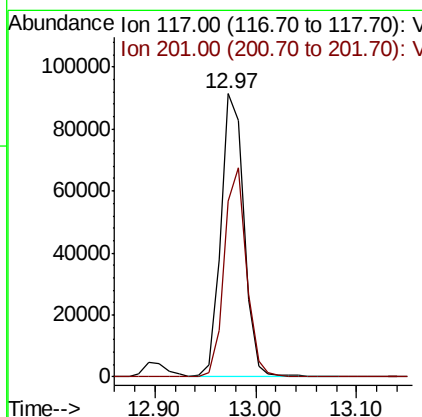
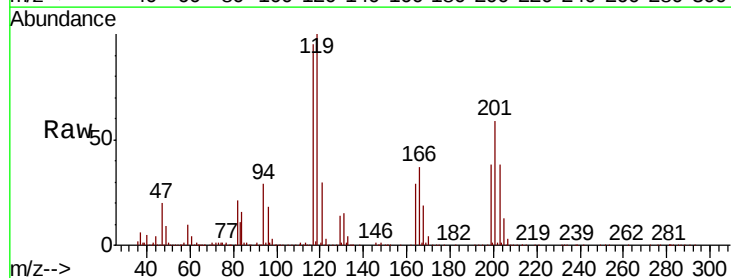
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

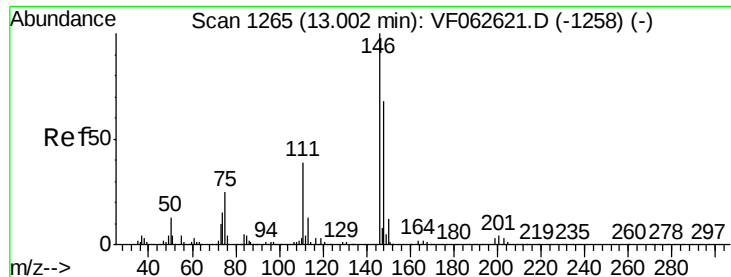
Tot Ion	Ratio	Lower	Upper
91	100		
92	61.7	33.3	99.8
134	26.5	15.4	46.4



#90
Hexachloroethane
Concen: 20.961 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062742.D
Acq: 24 May 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 20.200 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

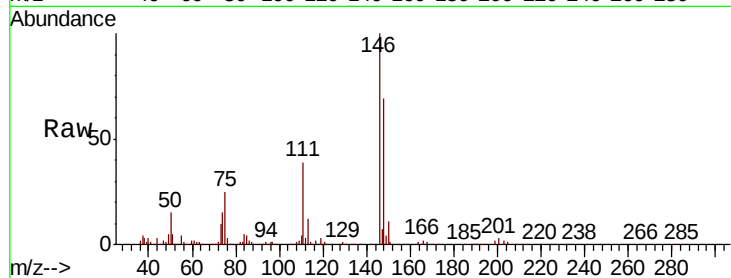
Tot Ion:146 Resp: 256320

Ion Ratio Lower Upper

146 100

111 38.7 19.8 59.3

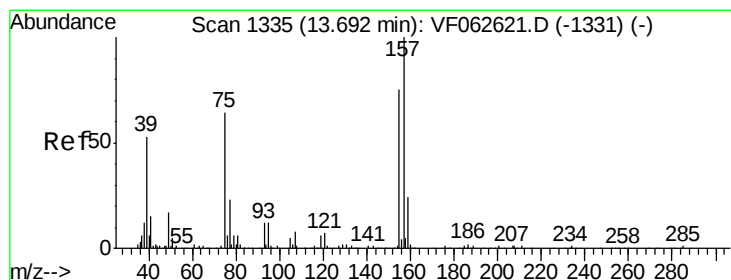
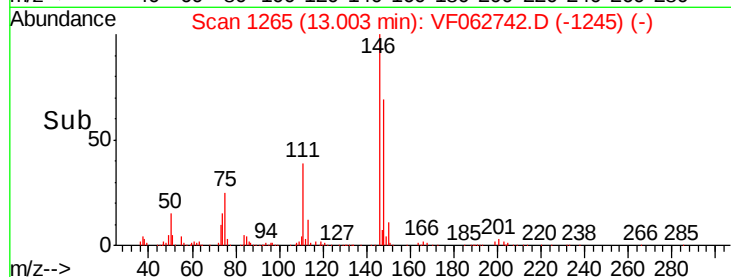
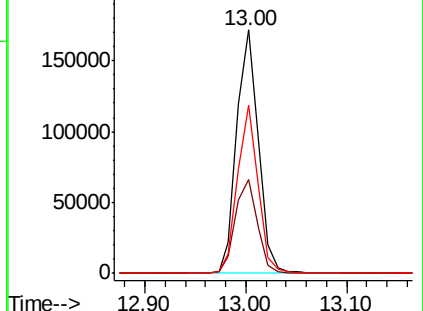
148 69.0 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.130 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

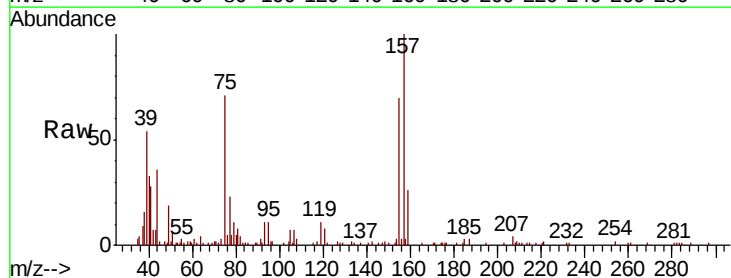
Tgt Ion: 75 Resp: 15535

Ion Ratio Lower Upper

75 100

155 98.5 58.1 174.3

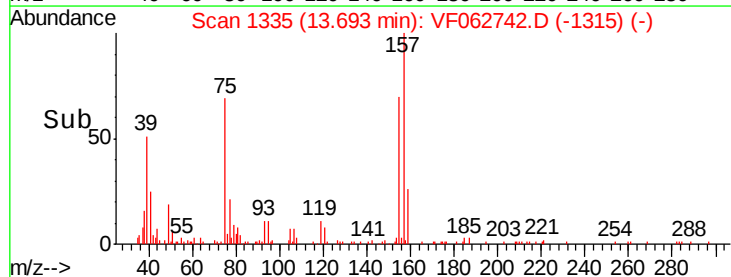
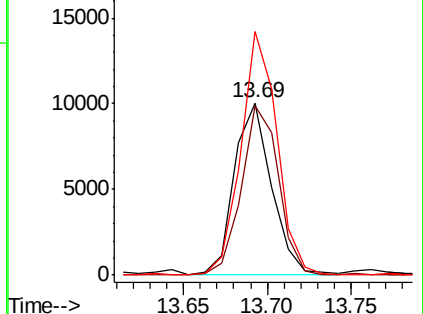
157 141.2 77.8 233.4

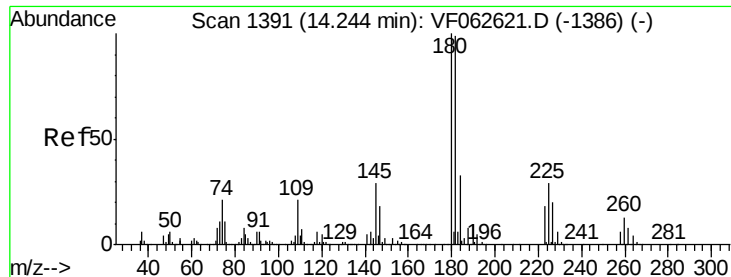


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

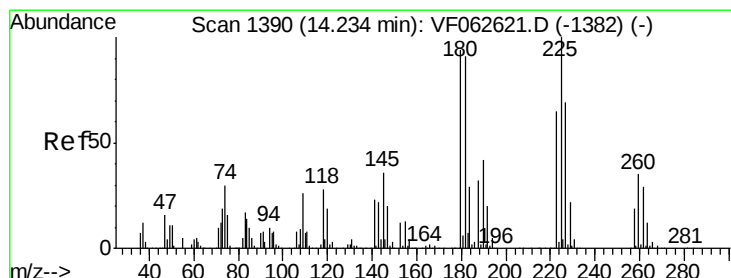
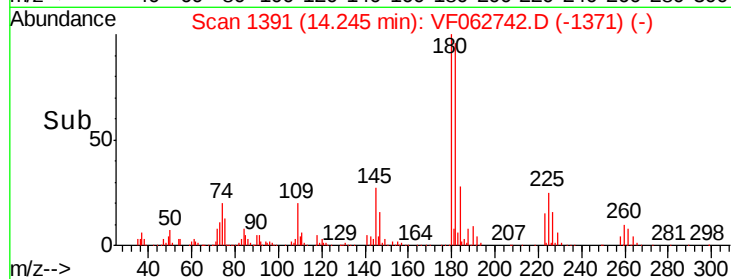
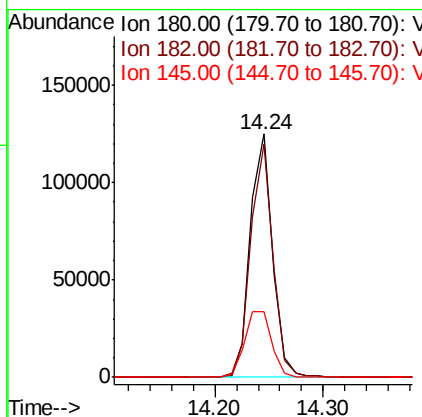
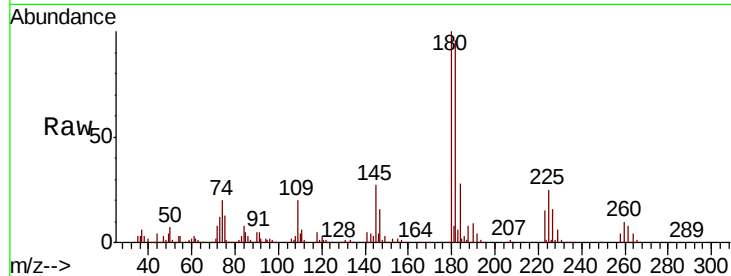




#93
 1,2,4-Trichlorobenzene
 Concen: 19.664 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

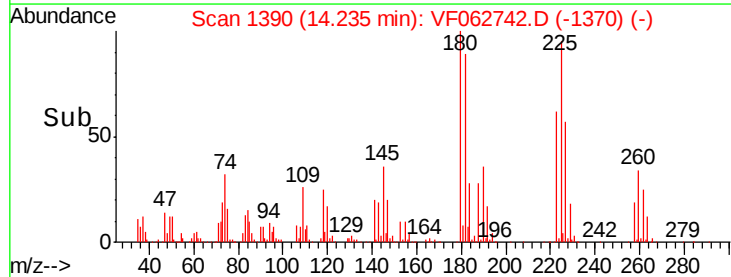
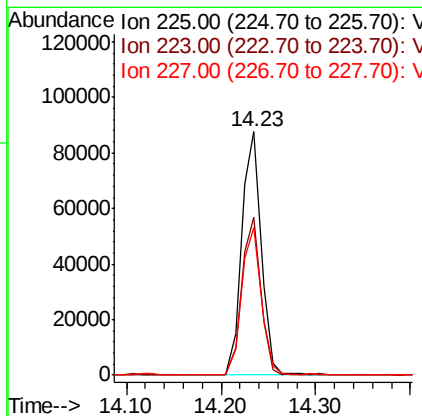
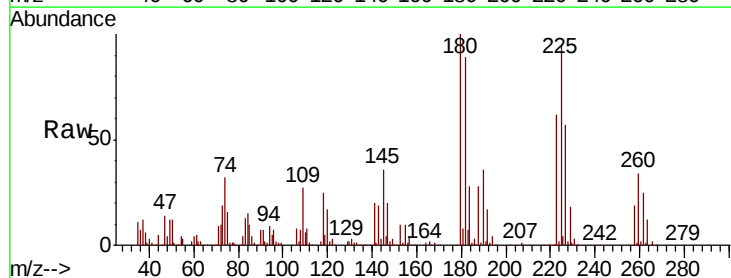
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

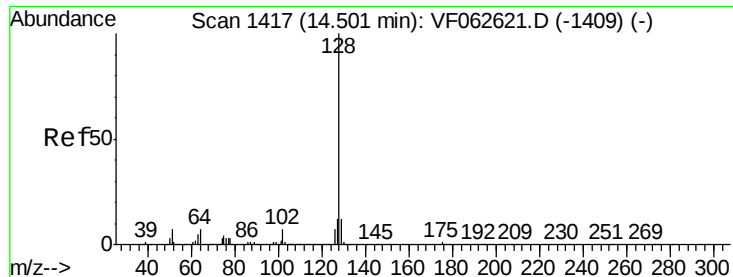
Tot Ion:180 Resp: 178611
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.7 149.1
 145 26.7 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 19.574 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062742.D
 Acq: 24 May 2019 12:50

Tgt Ion:225 Resp: 124078
 Ion Ratio Lower Upper
 225 100
 223 65.0 32.5 97.4
 227 60.5 34.5 103.5





#95

Naphthalene

Concen: 17.034 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

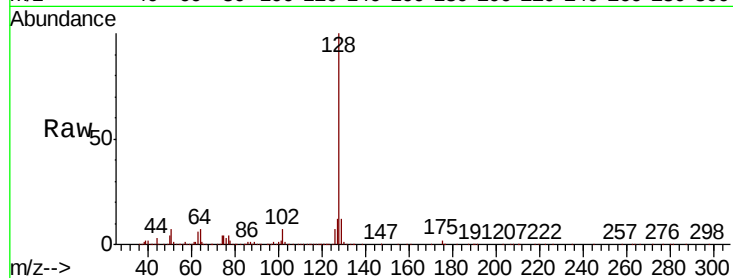
Tot Ion:128 Resp: 281089

Ion Ratio Lower Upper

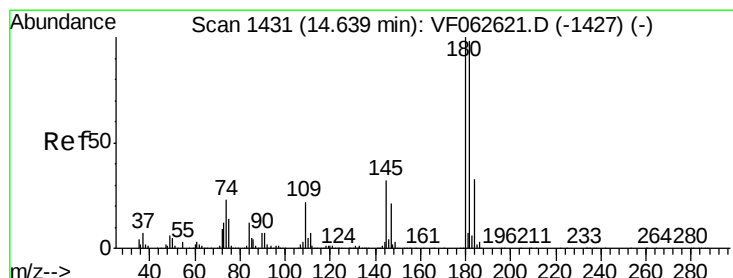
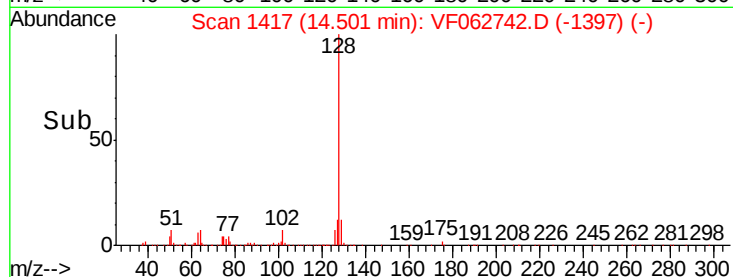
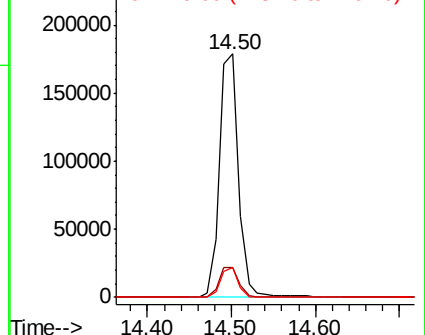
128 100

127 12.5 9.7 14.5

129 12.4 9.3 13.9



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



#96

1,2,3-Trichlorobenzene

Concen: 18.889 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062742.D

Acq: 24 May 2019 12:50

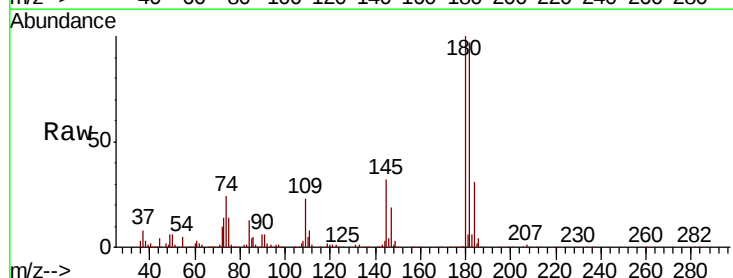
Tgt Ion:180 Resp: 162512

Ion Ratio Lower Upper

180 100

182 96.5 48.9 146.7

145 32.3 16.1 48.2



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

