

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051719\
 Data File : VF062632.D
 Acq On : 17 May 2019 11:48
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Quant Time: May 17 12:20:33 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	938338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1562806	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1260975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	518056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	304177	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	4.31	113	571377	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	7.72	98	1325850	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	11.50	95	429005	39.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	226769	17.759	ug/l	99
3) Chloromethane	1.15	50	210532	17.906	ug/l	97
4) Vinyl Chloride	1.20	62	207891	19.208	ug/l	100
5) Bromomethane	1.40	94	101069	17.070	ug/l	87
6) Chloroethane	1.44	64	63502	15.976	ug/l	90
7) Trichlorofluoromethane	1.57	101	258309	17.775	ug/l	92
8) Diethyl Ether	1.72	74	50940	17.694	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.91	101	156615	16.925	ug/l	95
10) Methyl Iodide	1.98	142	324600	17.857	ug/l	95
11) Tert butyl alcohol	2.72	59	48289	110.307	ug/l #	92
12) 1,1-Dichloroethene	1.88	96	143345	17.005	ug/l	97
13) Acrolein	2.11	56	42180	92.304	ug/l	99
14) Allyl chloride	2.20	41	173680	22.766	ug/l	98
15) Acrylonitrile	3.09	53	111952	90.659	ug/l	96
16) Acetone	2.36	43	121678	70.733	ug/l	98
17) Carbon Disulfide	1.93	76	298783	11.959	ug/l	100
18) Methyl Acetate	2.47	43	46271	17.117	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	309121	20.514	ug/l	97
20) Methylene Chloride	2.34	84	157079	18.217	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	158470	19.234	ug/l	94
22) Diisopropyl ether	2.94	45	392177	20.843	ug/l	99
23) Vinyl Acetate	3.36	43	1361723	107.283	ug/l	100
24) 1,1-Dichloroethane	3.02	63	288926	20.931	ug/l	99
25) 2-Butanone	4.54	43	340860	92.744	ug/l	97
26) 2,2-Dichloropropane	3.79	77	198145	25.088	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	281983	20.807	ug/l	90
28) Bromochloromethane	3.91	49	147547	19.059	ug/l	95
29) Tetrahydrofuran	4.28	42	143662	96.595	ug/l	97
30) Chloroform	4.07	83	436759	22.790	ug/l	100
31) Cyclohexane	3.89	56	402271	21.704	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	288760	22.687	ug/l	96
36) 1,1-Dichloropropene	4.48	75	328954	20.542	ug/l	96
37) Ethyl Acetate	4.31	43	133159	20.365	ug/l #	96
38) Carbon Tetrachloride	4.20	117	334287	27.756	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	398540	20.683	ug/l	97
40) Benzene	4.84	78	906272	20.774	ug/l	100
41) Methacrylonitrile	4.94	41	69810	20.365	ug/l	93
42) 1,2-Dichloroethane	5.14	62	172818	19.865	ug/l	99
43) Isopropyl Acetate	7.12	43	157054	18.540	ug/l #	93
44) Trichloroethene	5.69	130	268135	21.868	ug/l	100
45) 1,2-Dichloropropane	6.42	63	222045	20.162	ug/l	97
46) Dibromomethane	6.27	93	130758	20.545	ug/l	98
47) Bromodichloromethane	6.56	83	271198	20.525	ug/l	95
48) Methyl methacrylate	6.90	41	81574	18.424	ug/l	93
49) 1,4-Dioxane	6.88	88	22365	394.387	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	539634	93.198	ug/l	97
52) Toluene	7.79	92	505391	22.089	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	228110	21.102	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	323859	21.402	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	143101	21.124	ug/l	98
56) Ethyl methacrylate	8.77	69	162700	20.159	ug/l	92
57) 1,3-Dichloropropane	9.01	76	245654	21.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	265823	101.187	ug/l	98
59) 2-Hexanone	9.64	43	387074	91.444	ug/l	93
60) Dibromochloromethane	8.87	129	177672	20.123	ug/l	97
61) 1,2-Dibromoethane	9.14	107	157762	21.925	ug/l	97
64) Tetrachloroethene	8.32	164	190805	19.100	ug/l	97
65) Chlorobenzene	9.94	112	524579	21.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	215285	21.653	ug/l	99
67) Ethyl Benzene	10.04	91	909400	21.136	ug/l	97
68) m/p-Xylenes	10.27	106	726375	44.919	ug/l	91
69) o-Xylene	10.83	106	305625	18.349	ug/l	99
70) Styrene	10.90	104	545989	21.567	ug/l	98
71) Bromoform	10.89	173	100266	20.135	ug/l #	94
73) Isopropylbenzene	11.22	105	807236	21.741	ug/l	96
74) N-amyl acetate	11.45	43	200072	17.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	161724	21.313	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	103728	20.805	ug/l	96
77) Bromobenzene	11.59	156	204783	22.188	ug/l	98
78) n-propylbenzene	11.68	91	1011163	23.011	ug/l	92
79) 2-Chlorotoluene	11.80	91	561968	22.693	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	627775	21.086	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	57667	26.020	ug/l	93
82) 4-Chlorotoluene	11.98	91	523783	21.448	ug/l	99
83) tert-Butylbenzene	12.20	119	664208	21.990	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	520826	18.074	ug/l	90
85) sec-Butylbenzene	12.38	105	890145	21.959	ug/l	99
86) p-Isopropyltoluene	12.52	119	763321	22.344	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	378430	22.663	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	334672	21.358	ug/l	96
89) n-Butylbenzene	12.90	91	768204	22.807	ug/l	90
90) Hexachloroethane	12.98	117	173159	21.130	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	318668	21.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	20565	22.718	ug/l	78

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

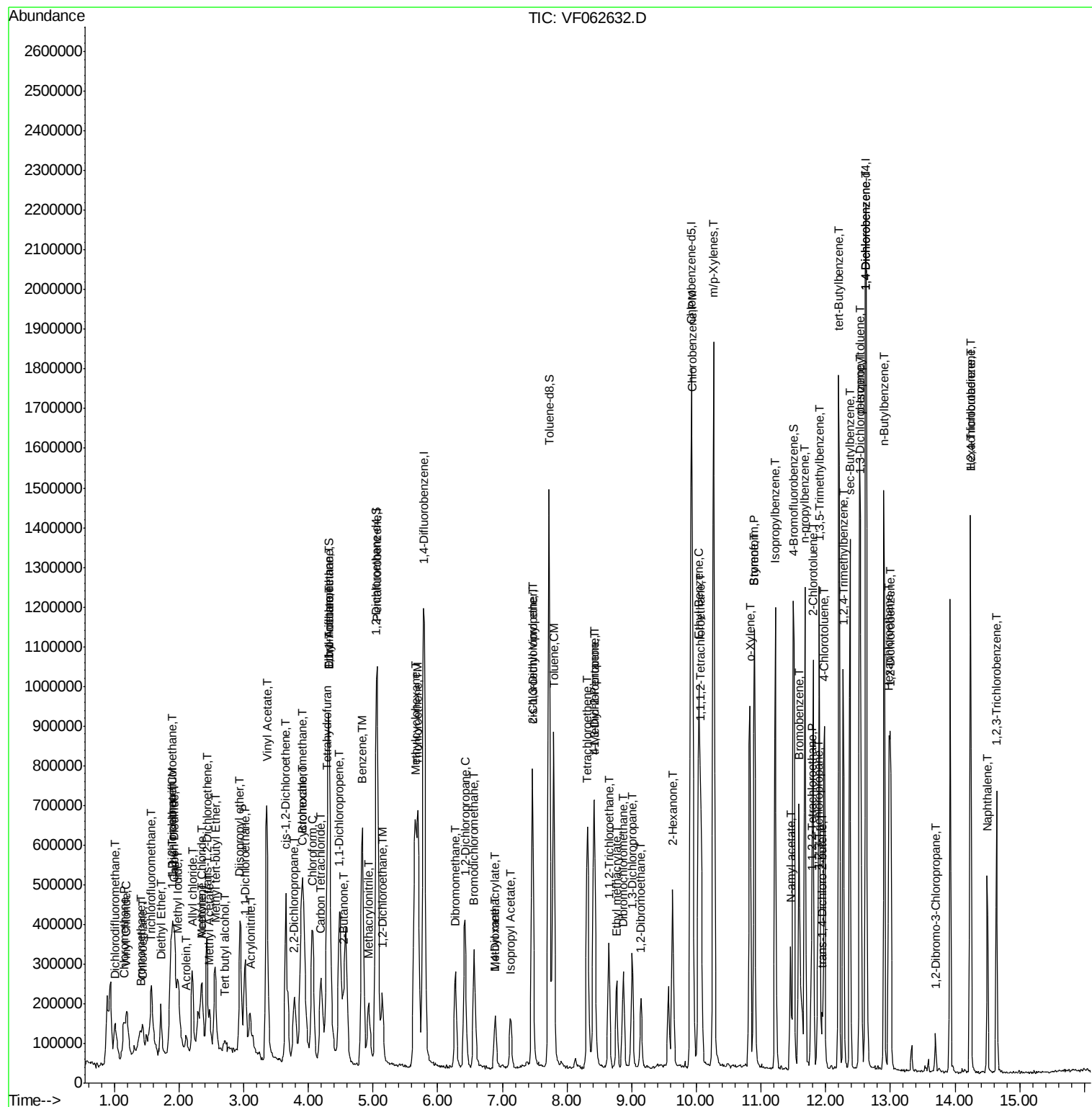
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	226814	21.289	ug/l	99
94) Hexachlorobutadiene	14.24	225	161160	21.675	ug/l	92
95) Naphthalene	14.50	128	351867	18.179	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	204510	20.265	ug/l	97

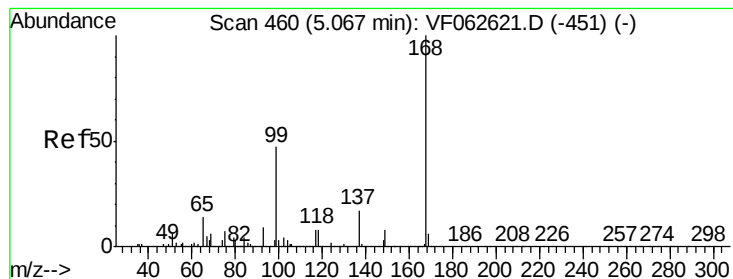
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

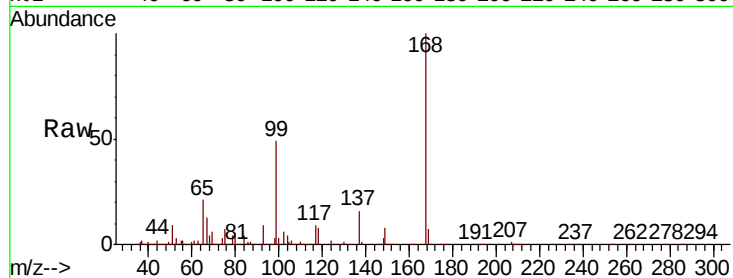
VF0517SBS01

Tgt Ion:168 Resp: 938338

Ion Ratio Lower Upper

168 100

99 48.5 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

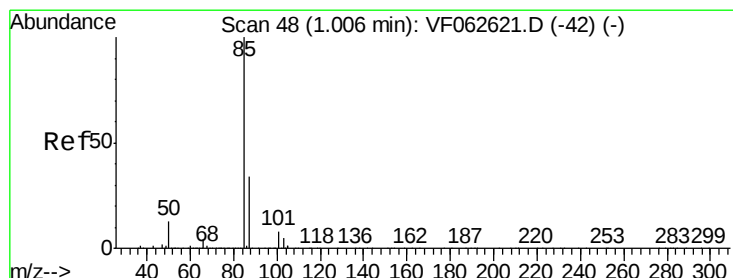
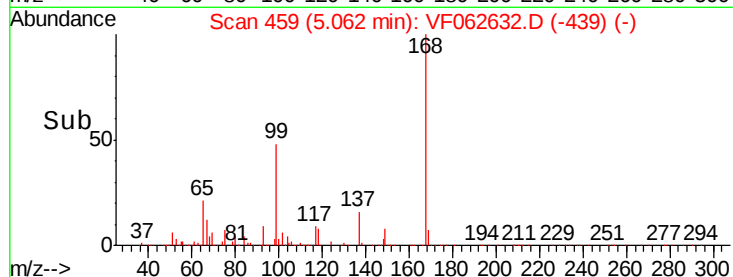
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.759 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062632.D

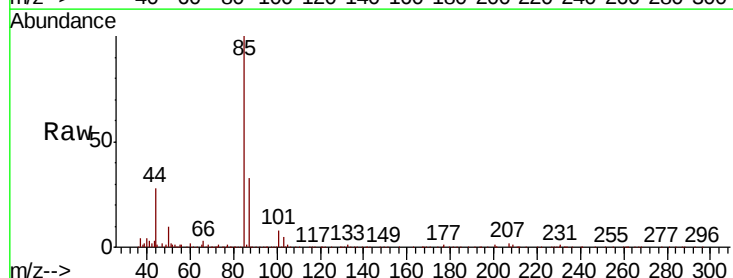
Acq: 17 May 2019 11:48

Tgt Ion: 85 Resp: 226769

Ion Ratio Lower Upper

85 100

87 32.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

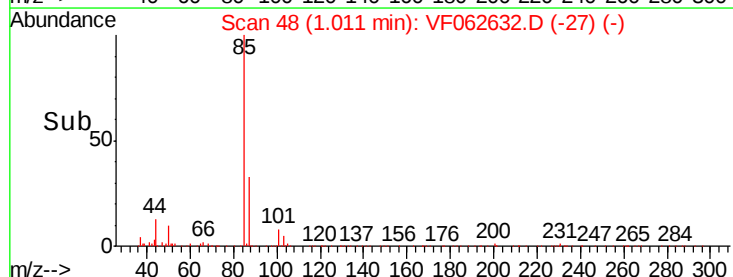
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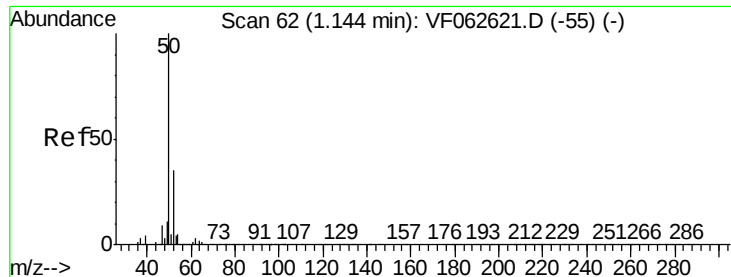
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.906 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

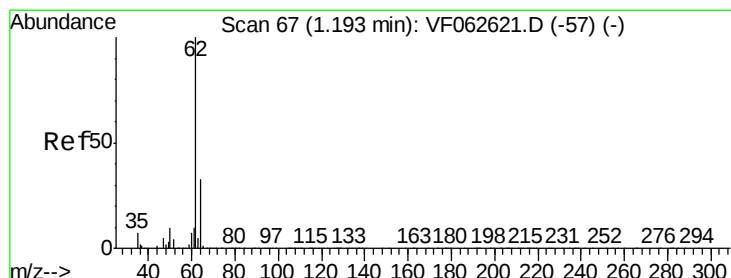
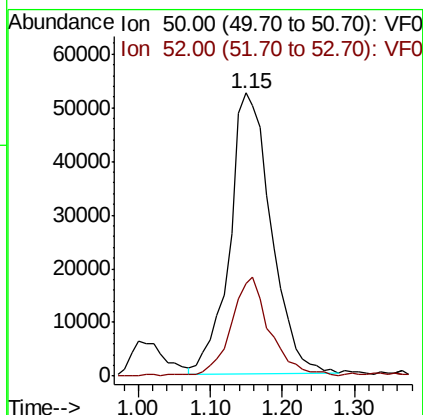
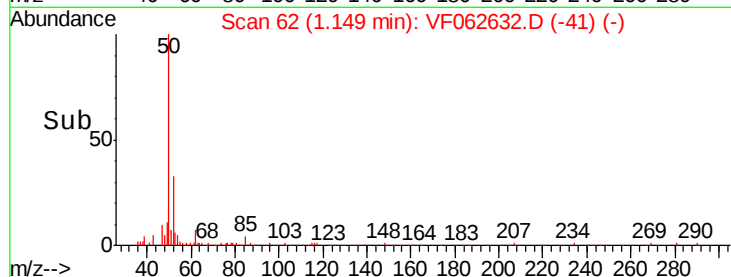
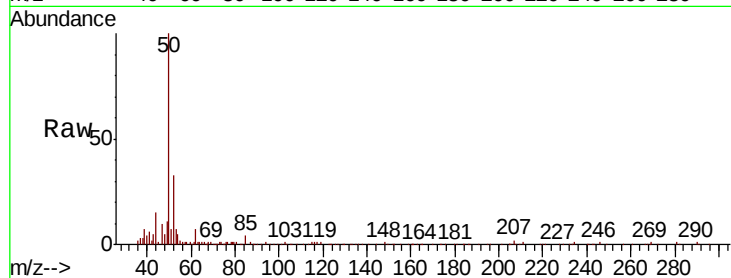
VF0517SBS01

Tgt Ion: 50 Resp: 210532

Ion Ratio Lower Upper

50 100

52 32.6 27.5 41.3



#4

Vinyl Chloride

Concen: 19.208 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062632.D

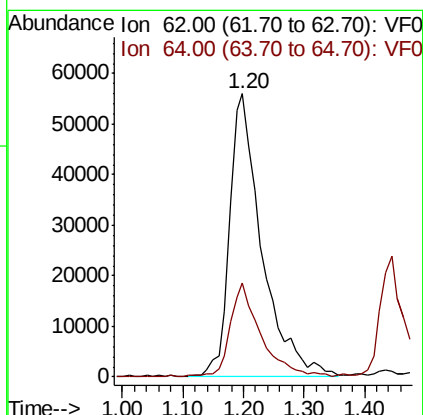
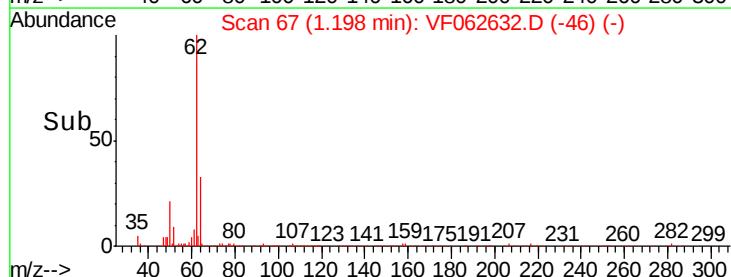
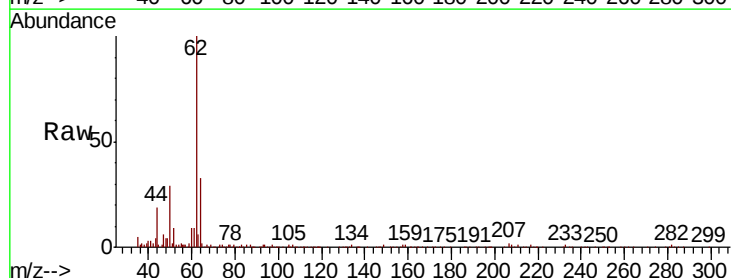
Acq: 17 May 2019 11:48

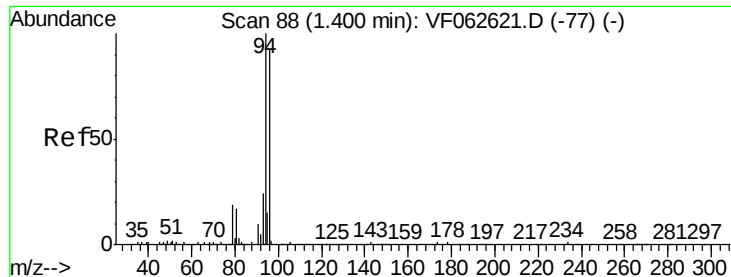
Tgt Ion: 62 Resp: 207891

Ion Ratio Lower Upper

62 100

64 33.4 26.7 40.1





#5

Bromomethane

Concen: 17.070 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

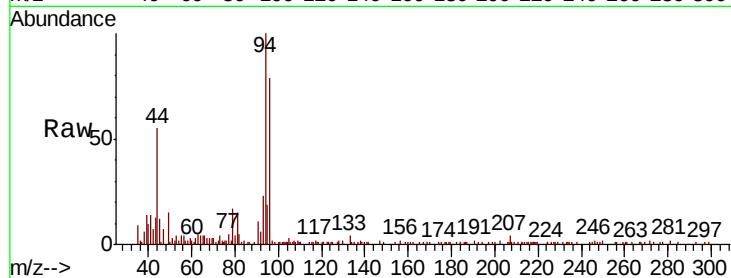
VF0517SBS01

Tgt Ion: 94 Resp: 101069

Ion Ratio Lower Upper

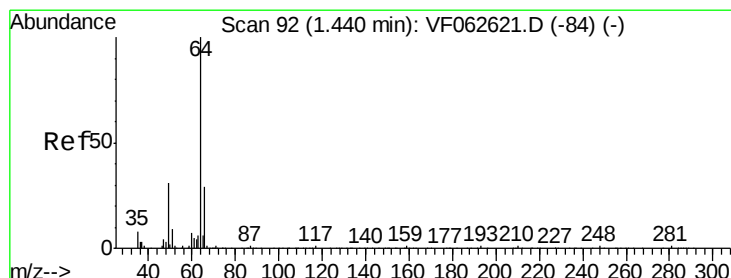
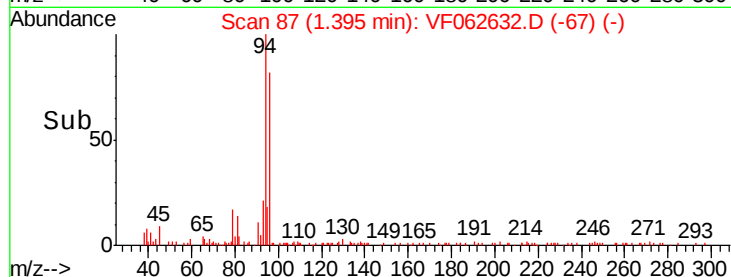
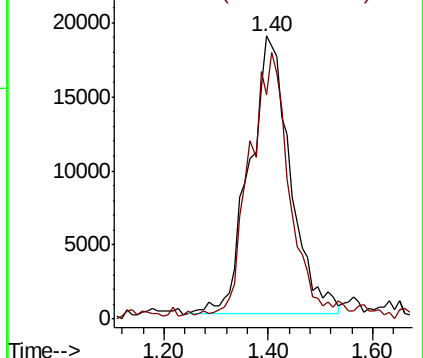
94 100

96 79.4 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 15.976 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062632.D

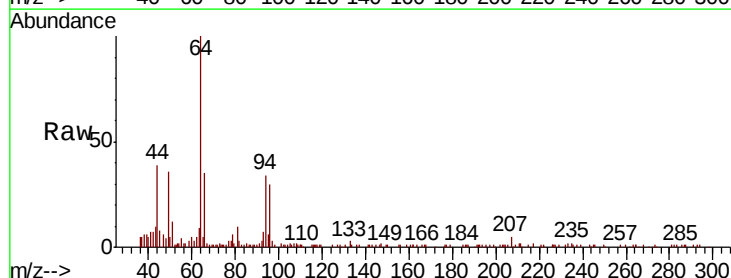
Acq: 17 May 2019 11:48

Tgt Ion: 64 Resp: 63502

Ion Ratio Lower Upper

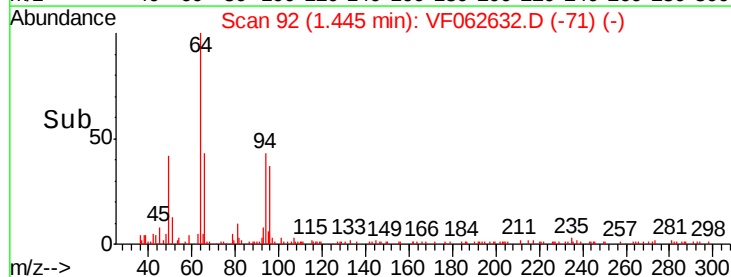
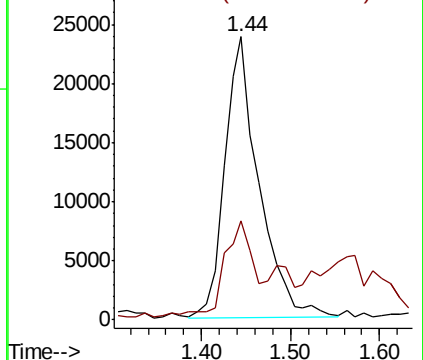
64 100

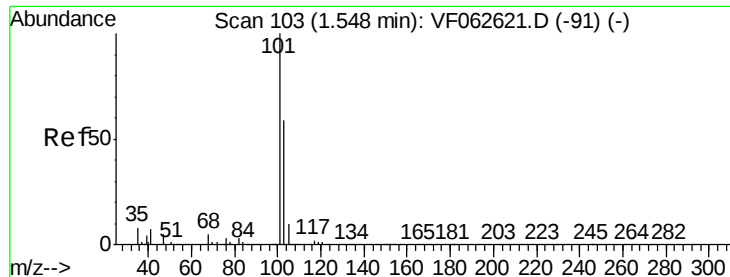
66 34.8 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



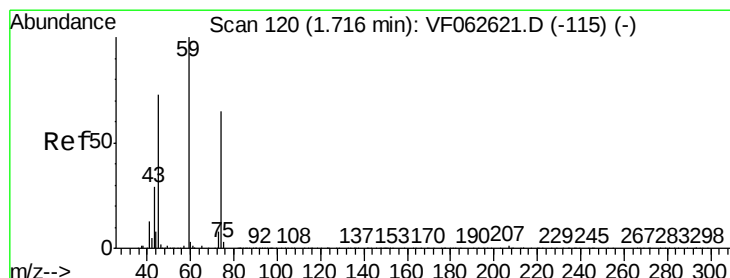
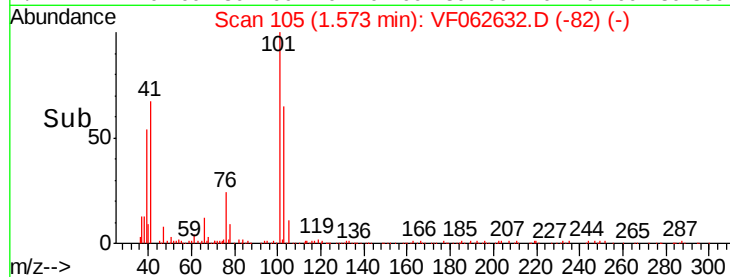
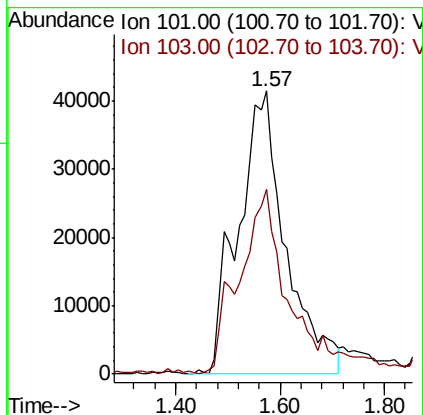
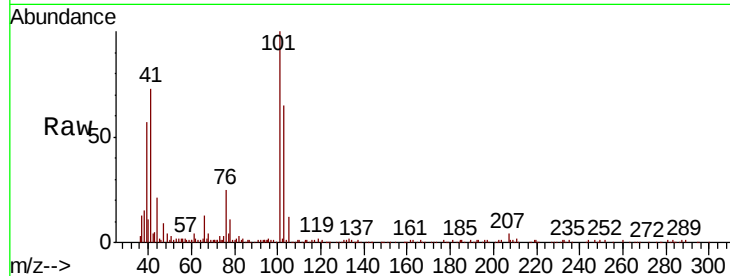


#7

Trichlorofluoromethane
Concen: 17.775 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
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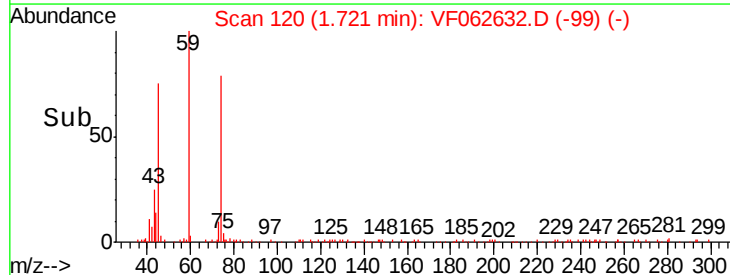
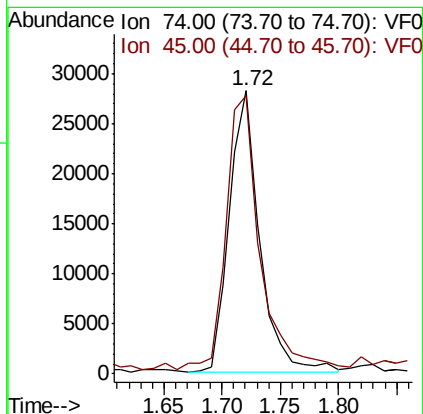
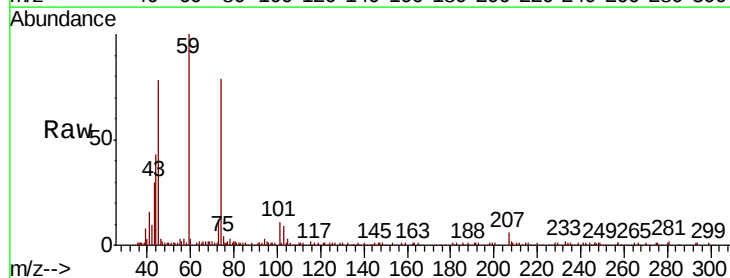
Tgt Ion: 101 Resp: 258309
Ion Ratio Lower Upper
101 100
103 65.3 47.3 70.9

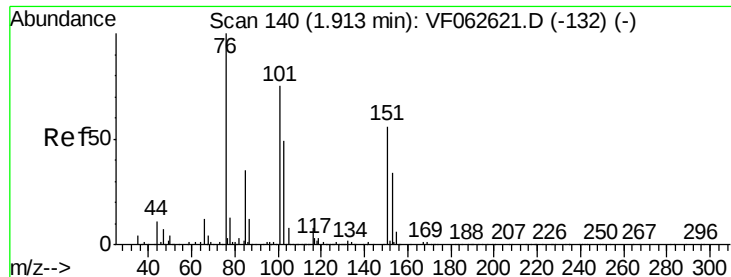


#8

Diethyl Ether
Concen: 17.694 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 74 Resp: 50940
Ion Ratio Lower Upper
74 100
45 98.5 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.925 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

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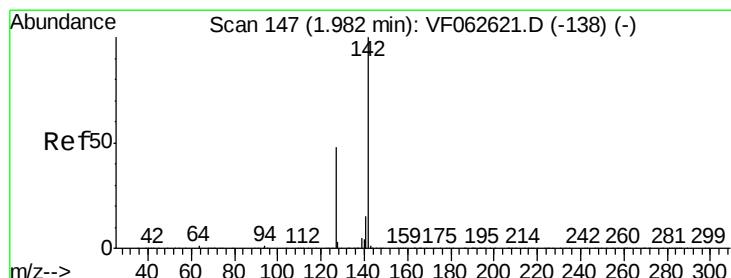
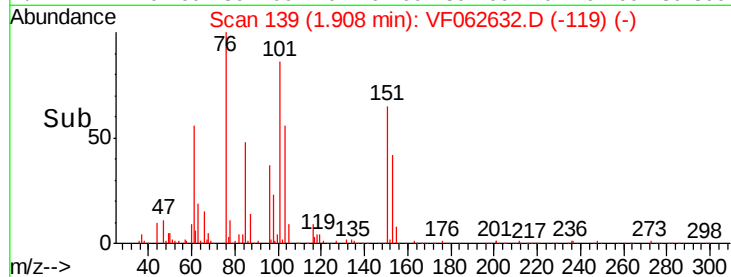
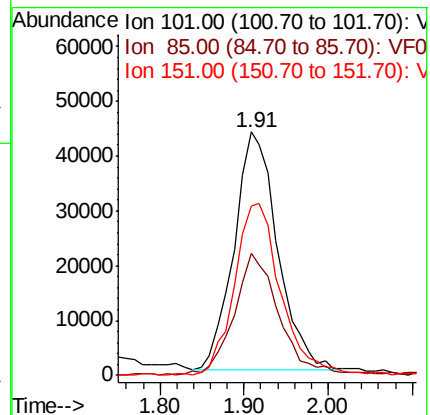
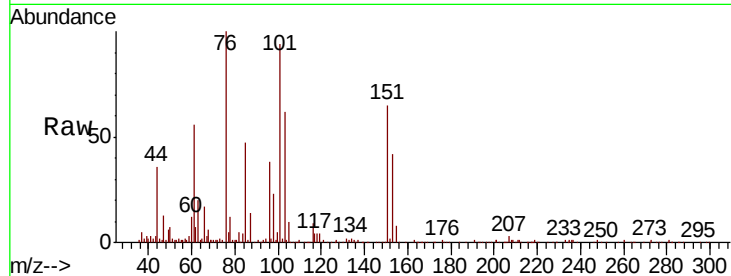
Tgt Ion:101 Resp: 156615

Ion Ratio Lower Upper

101 100

85 50.3 37.1 55.7

151 69.4 58.8 88.2



#10

Methyl Iodide

Concen: 17.857 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

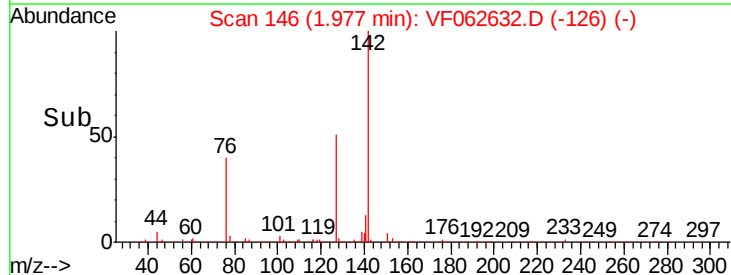
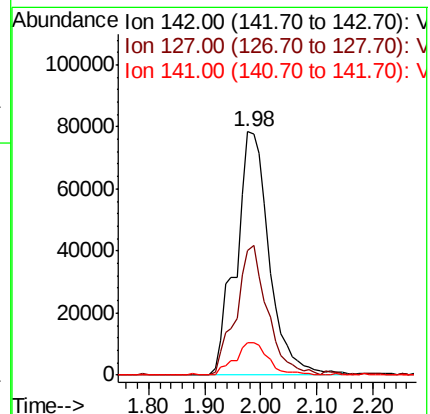
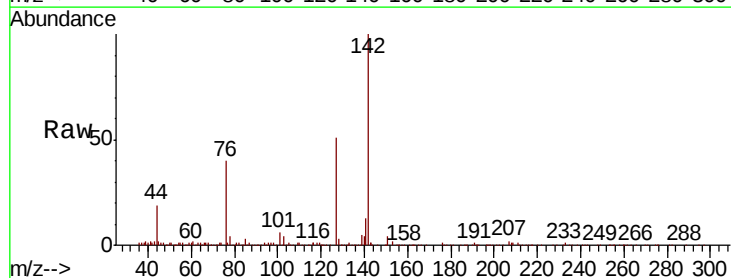
Tgt Ion:142 Resp: 324600

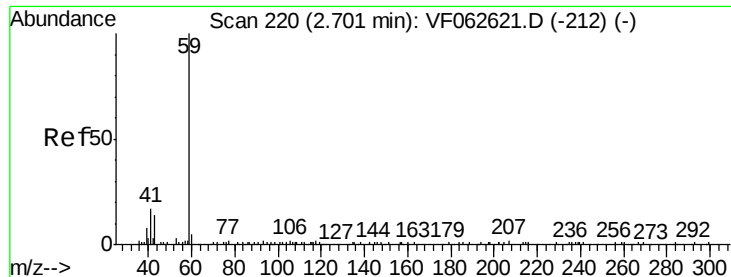
Ion Ratio Lower Upper

142 100

127 51.0 38.1 57.1

141 13.4 11.7 17.5

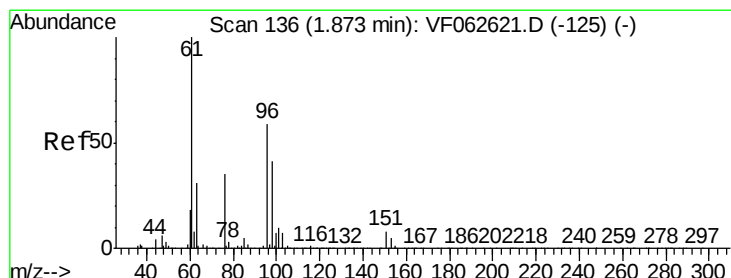
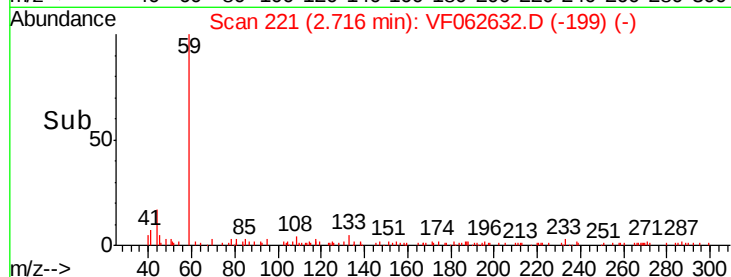
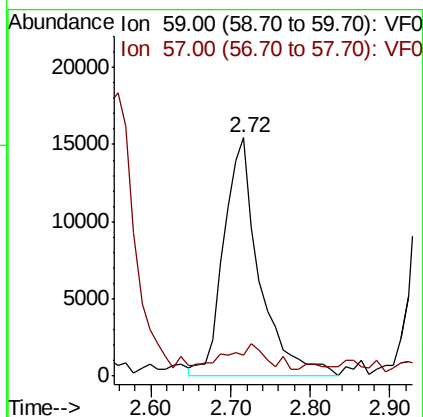
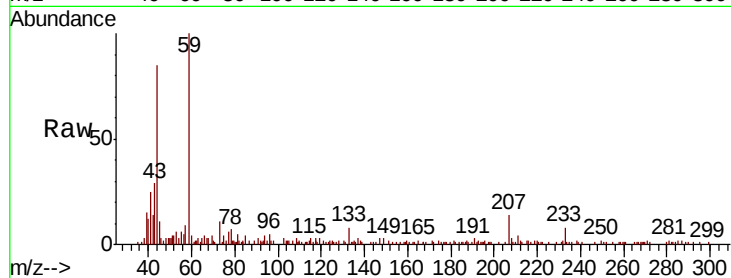




#11
Tert butyl alcohol
Concen: 110.307 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

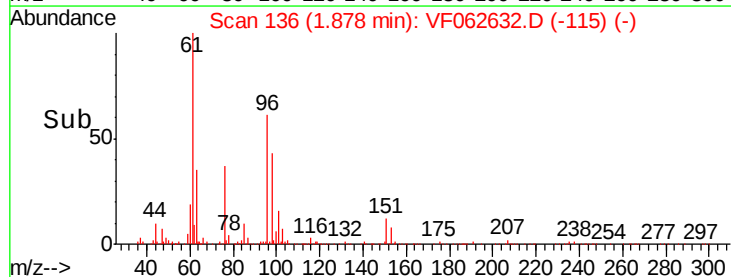
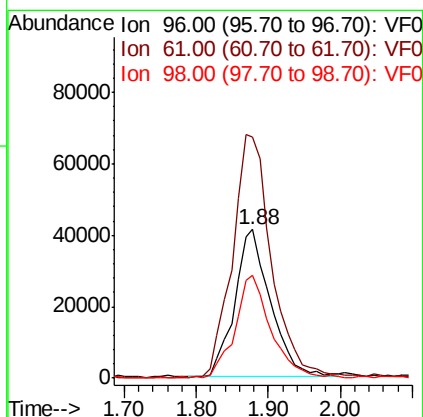
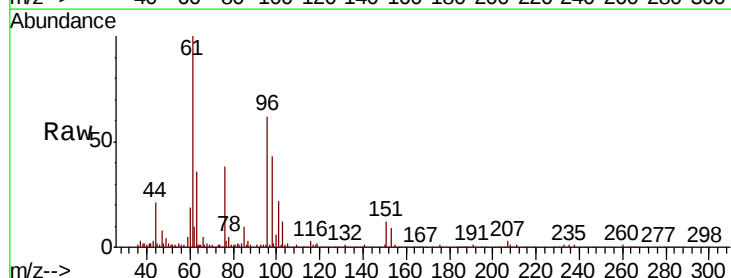
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

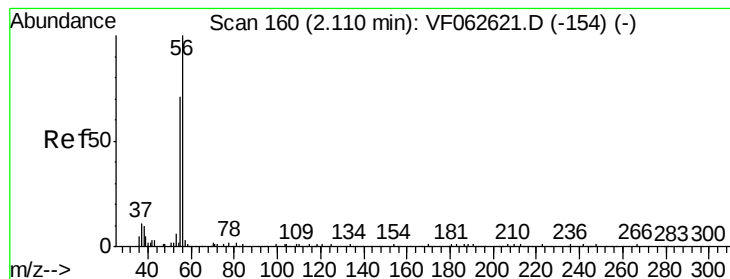
Tgt Ion: 59 Resp: 48289
Ion Ratio Lower Upper
59 100
57 8.6 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 17.005 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 96 Resp: 143345
Ion Ratio Lower Upper
96 100
61 161.8 134.3 201.5
98 69.5 55.0 82.6





#13

Acrolein

Concen: 92.304 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

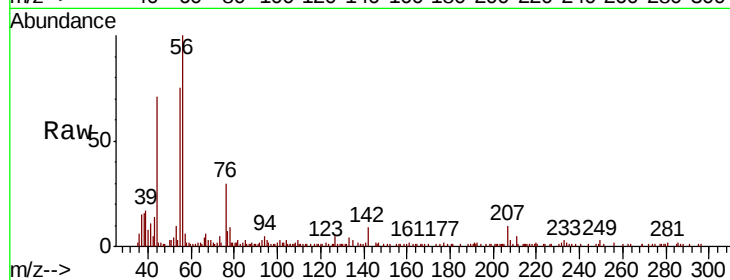
VF0517SBS01

Tgt Ion: 56 Resp: 42180

Ion Ratio Lower Upper

56 100

55 74.7 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

20000

15000

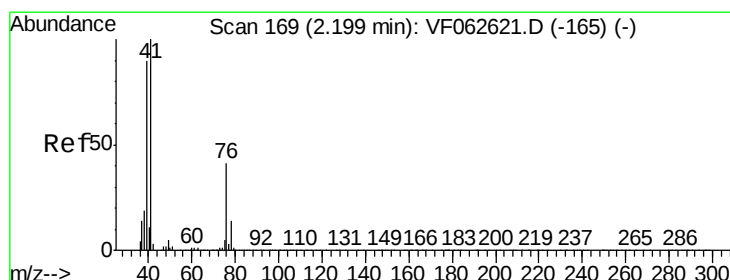
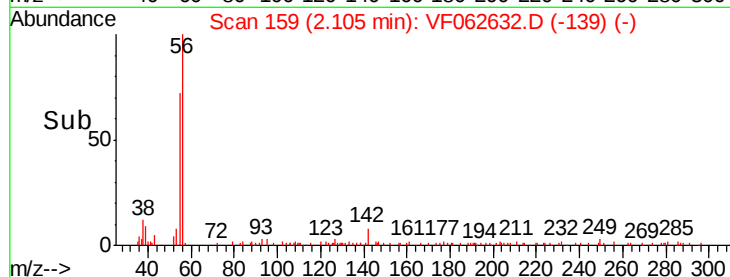
10000

5000

0

2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 22.766 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

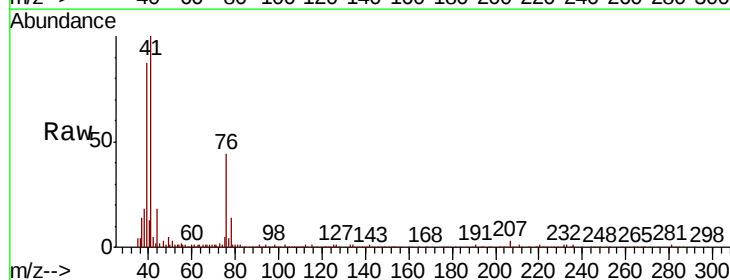
Tgt Ion: 41 Resp: 173680

Ion Ratio Lower Upper

41 100

39 87.5 72.0 108.0

76 44.1 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

80000

60000

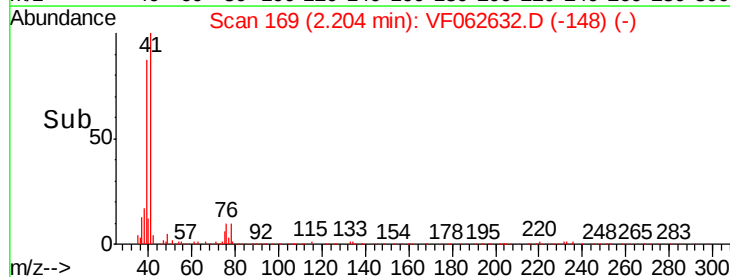
40000

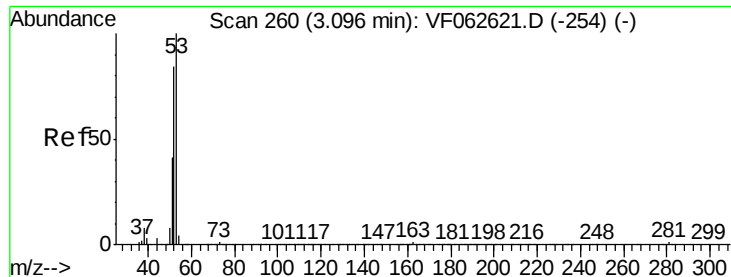
20000

0

2.10 2.20 2.30 2.40

Time-->





#15

Acrylonitrile

Concen: 90.659 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

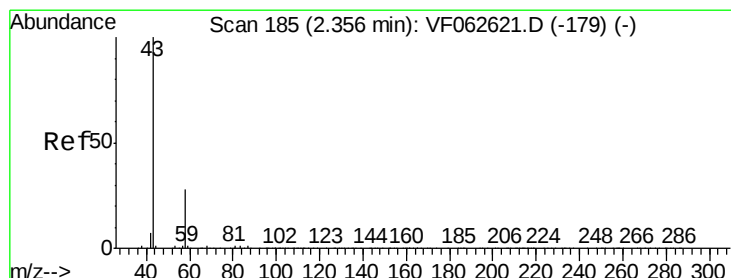
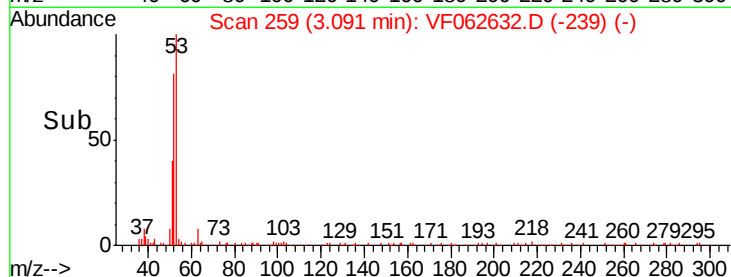
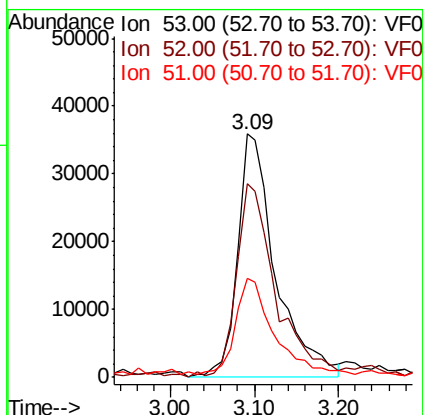
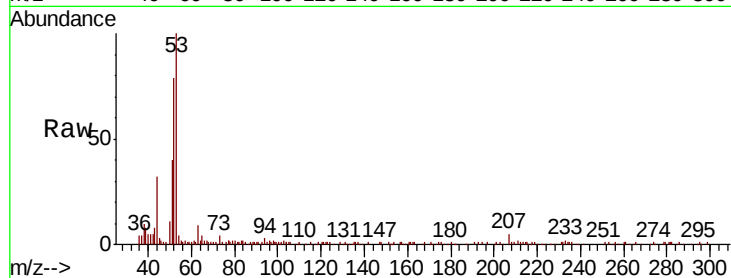
Tgt Ion: 53 Resp: 111952

Ion Ratio Lower Upper

53 100

52 79.3 67.3 100.9

51 40.5 33.0 49.6



#16

Acetone

Concen: 70.733 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062632.D

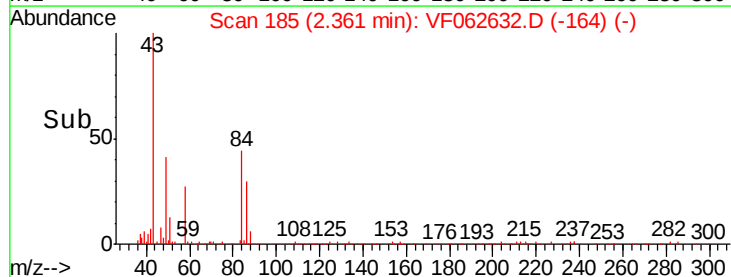
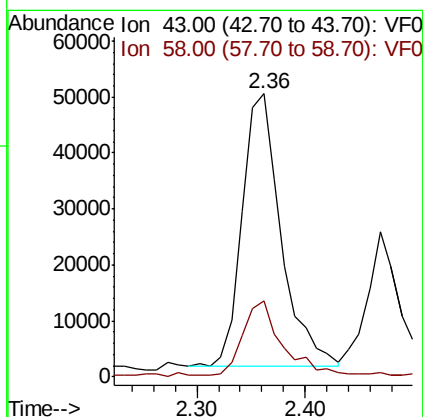
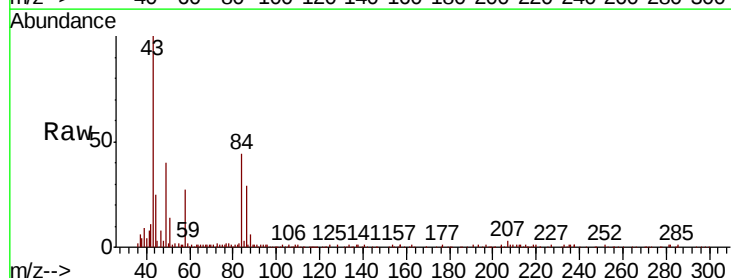
Acq: 17 May 2019 11:48

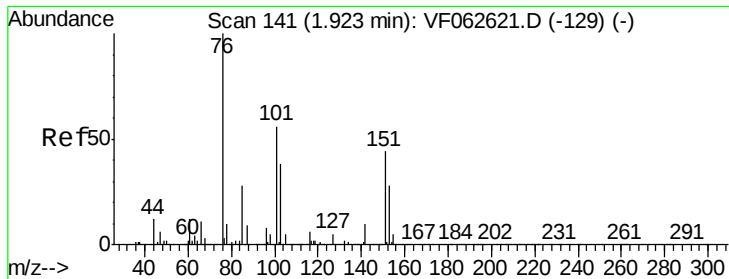
Tgt Ion: 43 Resp: 121678

Ion Ratio Lower Upper

43 100

58 27.0 22.6 33.8





#17

Carbon Disulfide

Concen: 11.959 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

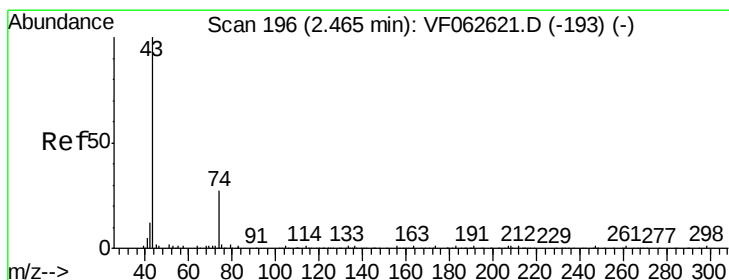
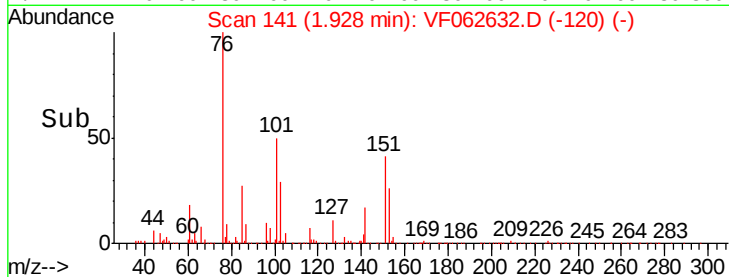
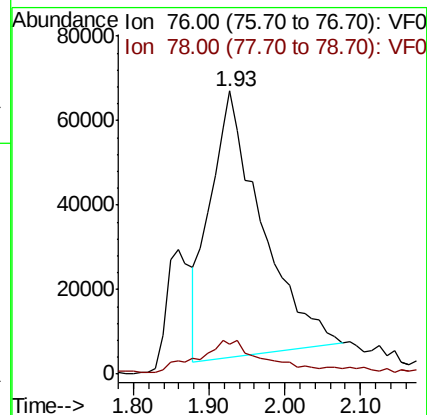
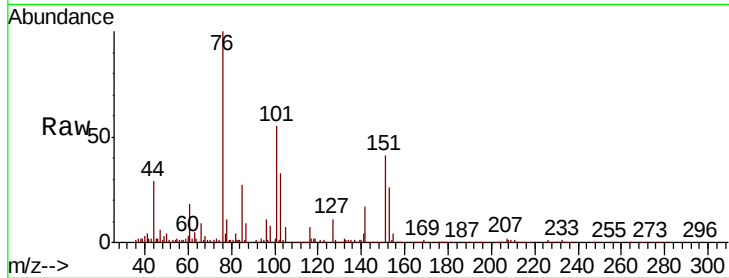
VF0517SBS01

Tgt Ion: 76 Resp: 298783

Ion Ratio Lower Upper

76 100

78 10.7 8.4 12.6



#18

Methyl Acetate

Concen: 17.117 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062632.D

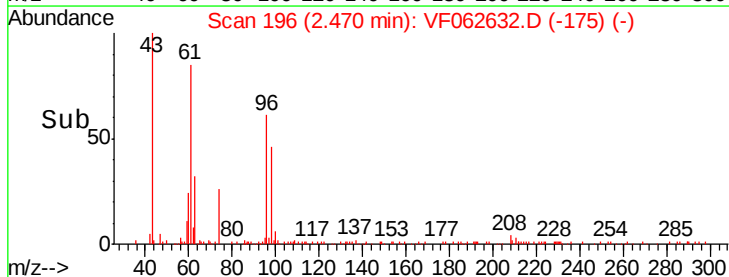
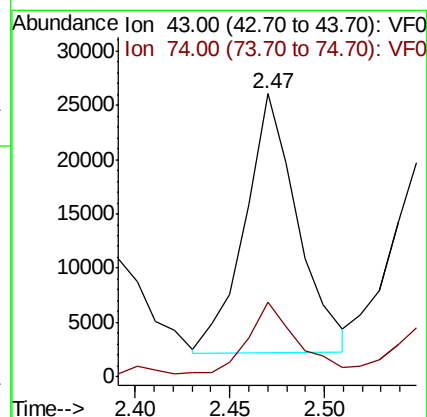
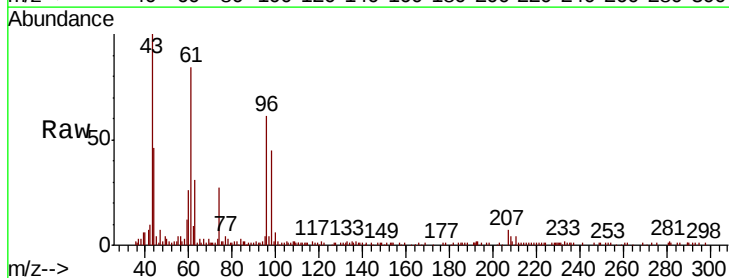
Acq: 17 May 2019 11:48

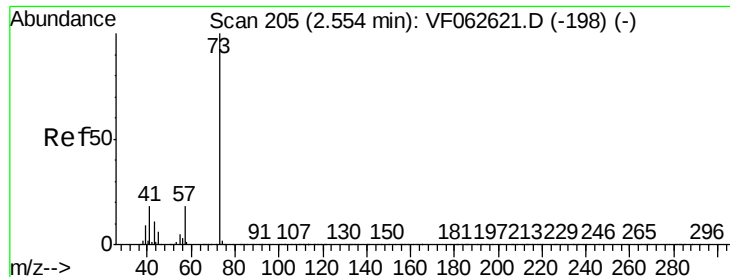
Tgt Ion: 43 Resp: 46271

Ion Ratio Lower Upper

43 100

74 26.5 18.9 28.3



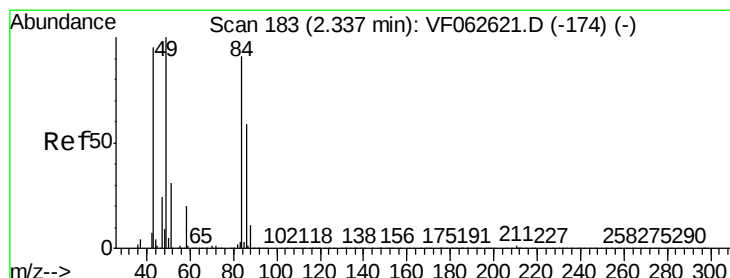
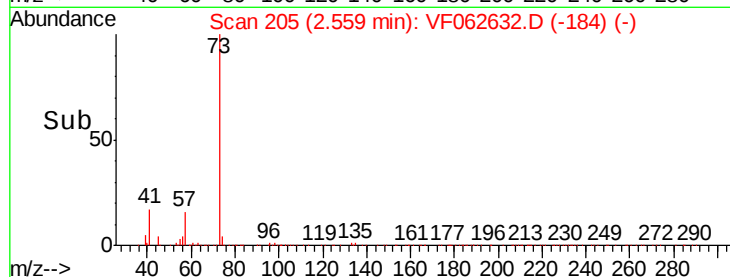
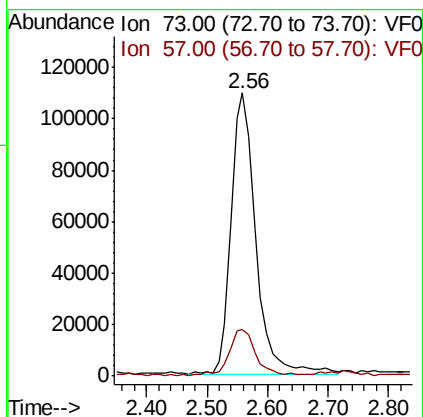
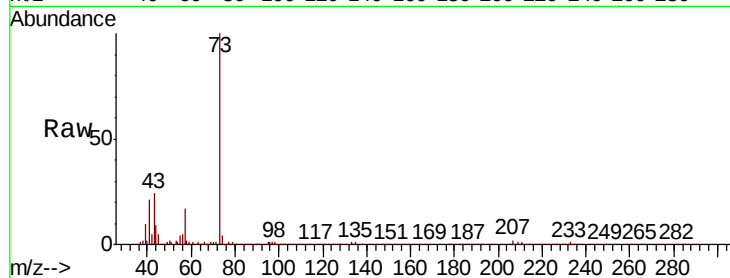


#19

Methyl tert-butyl Ether
Concen: 20.514 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

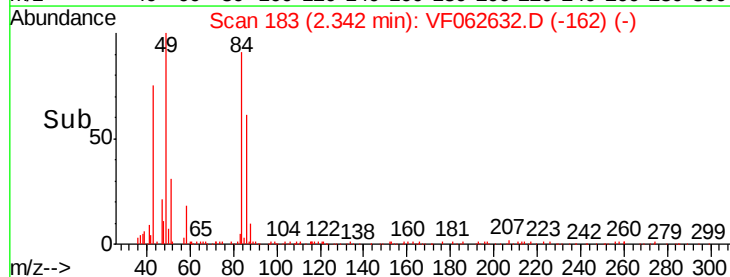
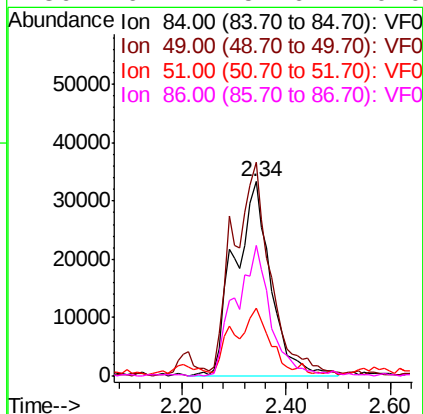
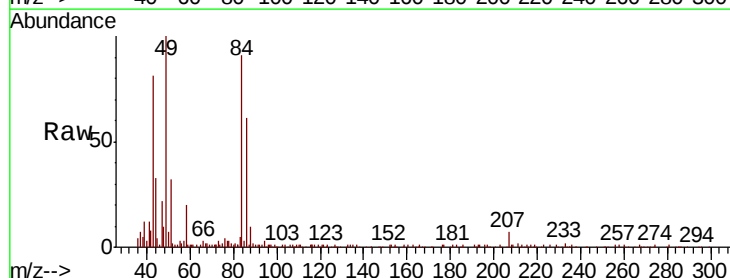
Tgt Ion: 73 Resp: 309121
Ion Ratio Lower Upper
73 100
57 16.7 14.2 21.4

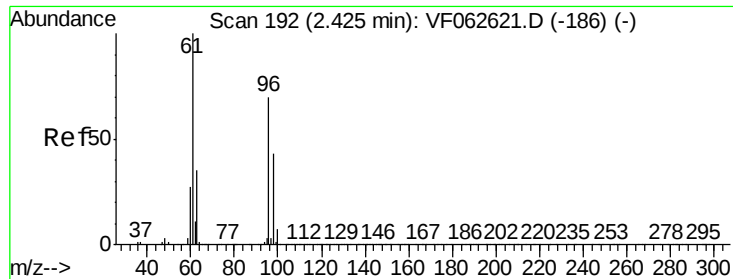


#20

Methylene Chloride
Concen: 18.217 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 84 Resp: 157079
Ion Ratio Lower Upper
84 100
49 109.9 89.8 134.8
51 34.9 28.4 42.6
86 67.1 52.6 79.0

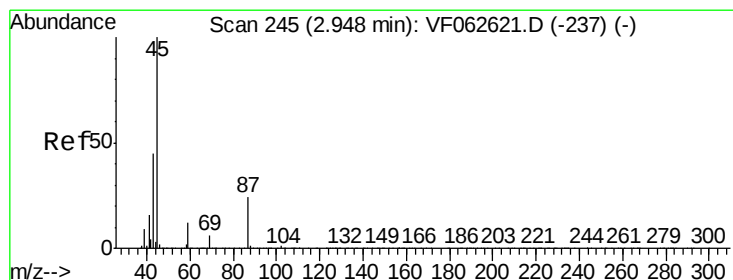
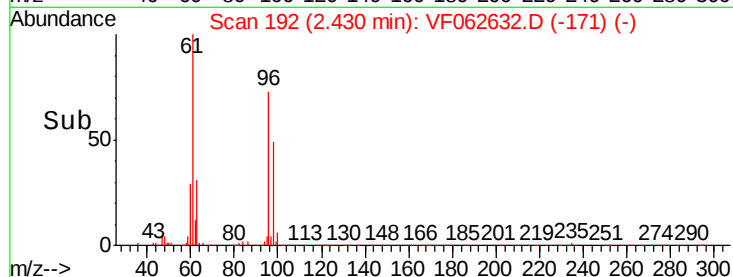
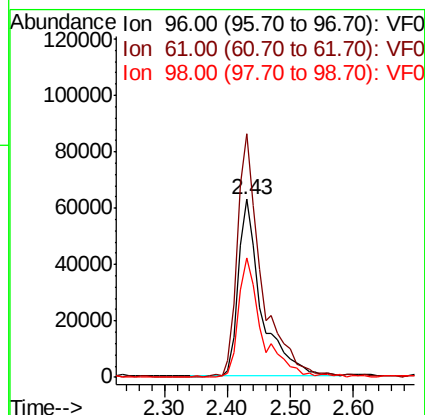
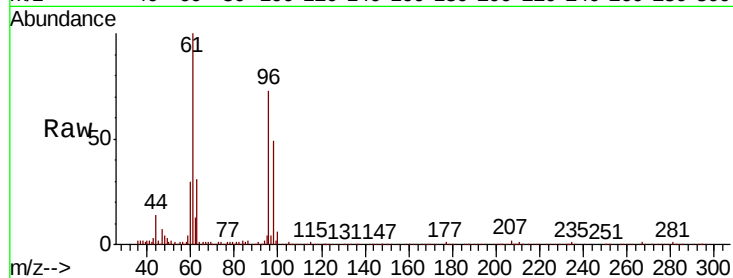




#21
trans-1,2-Dichloroethene
Concen: 19.234 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

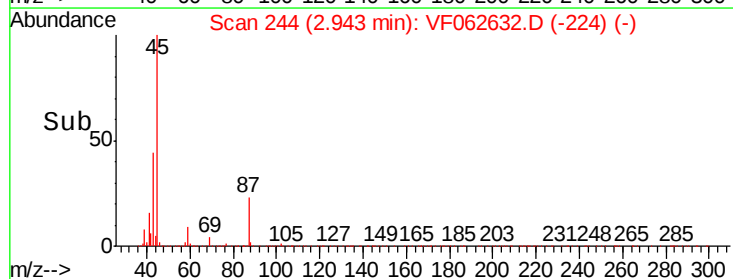
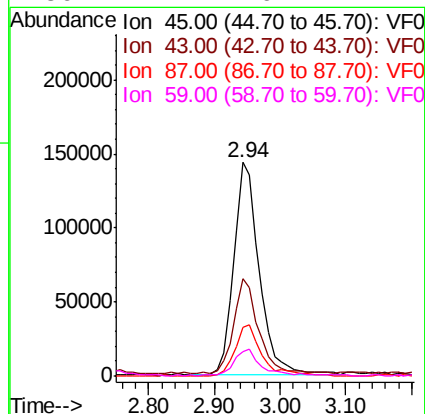
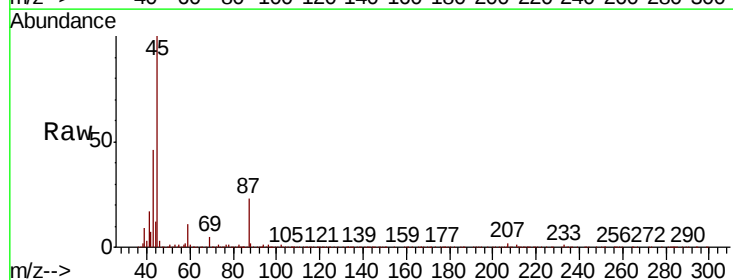
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

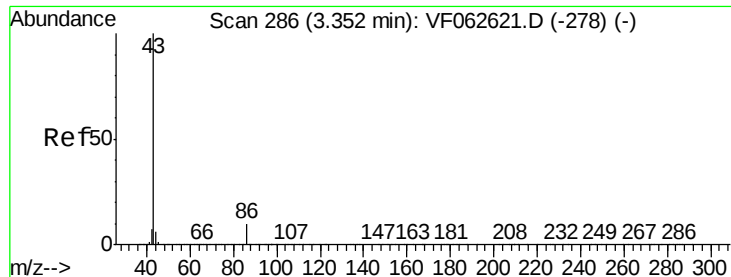
Tgt Ion: 96 Resp: 158470
Ion Ratio Lower Upper
96 100
61 137.0 114.6 171.8
98 67.0 49.5 74.3



#22
Diisopropyl ether
Concen: 20.843 ug/l
RT: 2.94 min Scan# 244
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 45 Resp: 392177
Ion Ratio Lower Upper
45 100
43 45.6 36.4 54.6
87 22.7 19.3 28.9
59 11.4 9.4 14.2





#23

Vinyl Acetate

Concen: 107.283 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

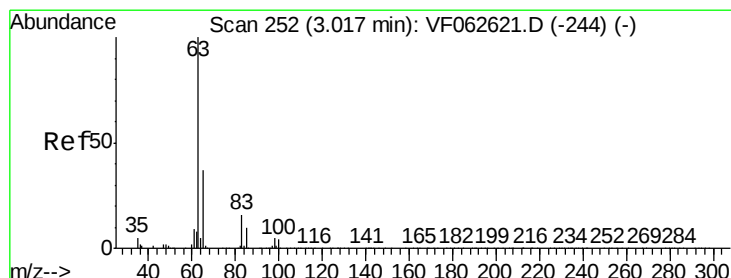
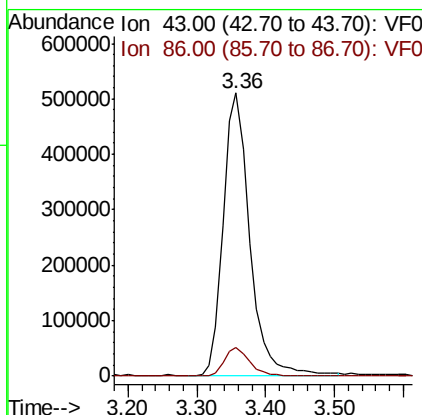
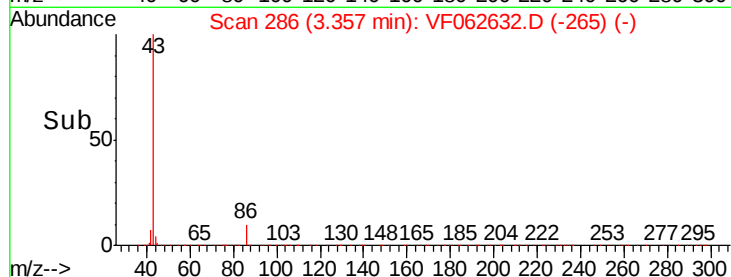
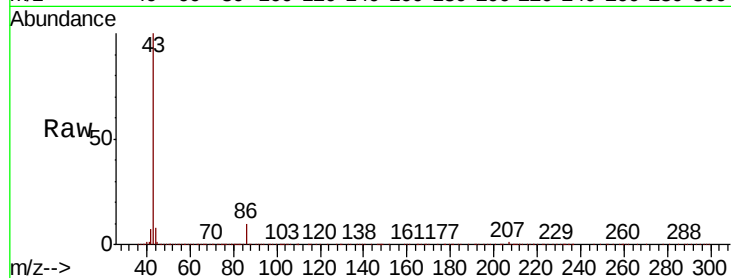
VF0517SBS01

Tgt Ion: 43 Resp: 1361723

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.931 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

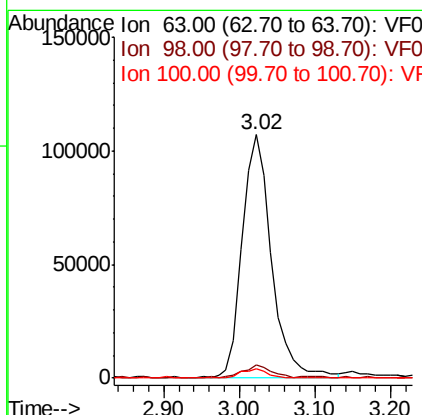
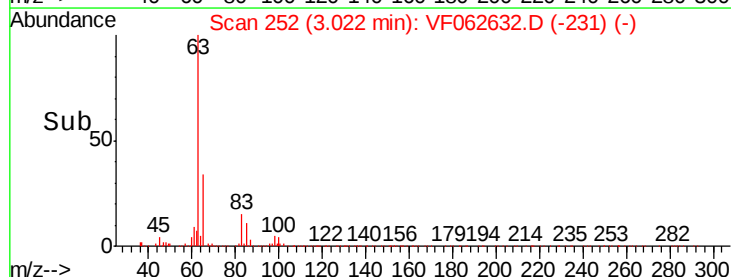
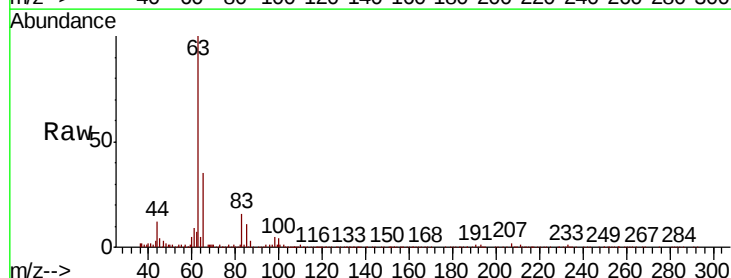
Tgt Ion: 63 Resp: 288926

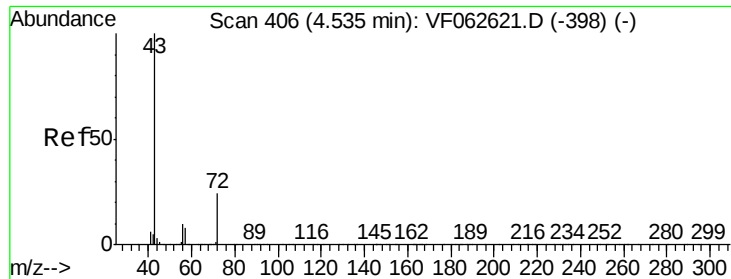
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 92.744 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

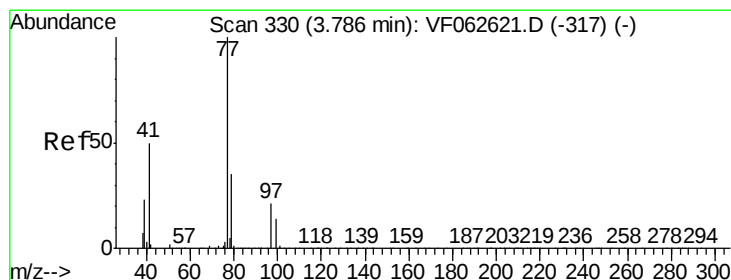
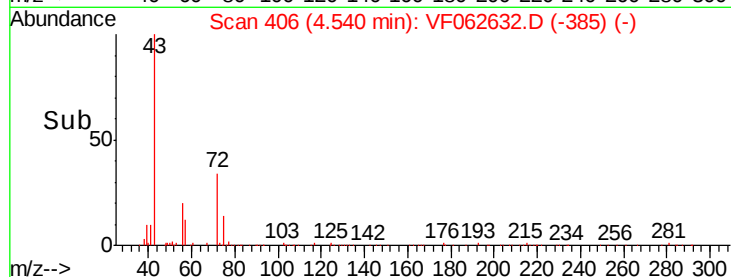
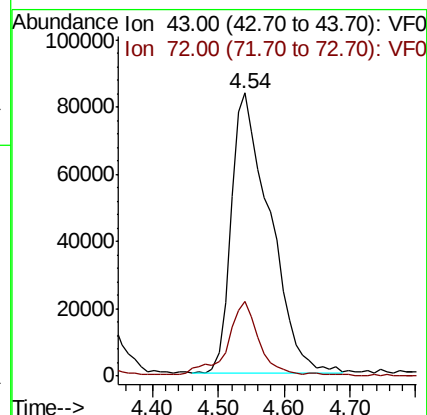
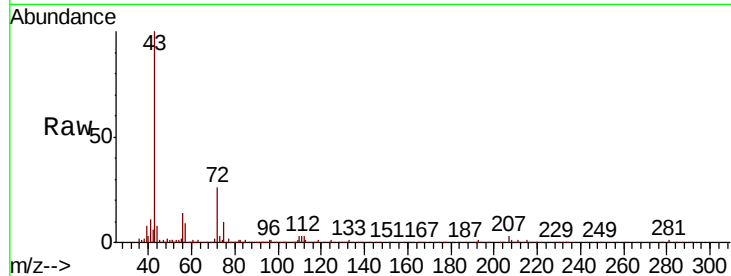
VF0517SBS01

Tgt Ion: 43 Resp: 340860

Ion Ratio Lower Upper

43 100

72 26.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 25.088 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062632.D

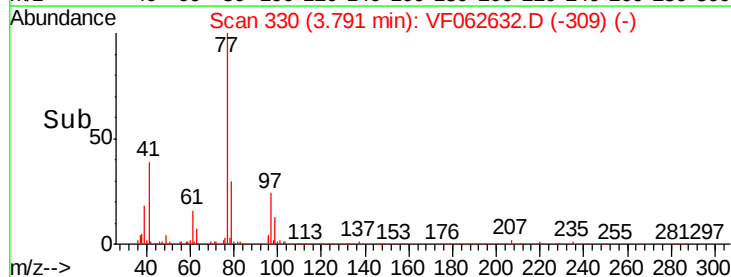
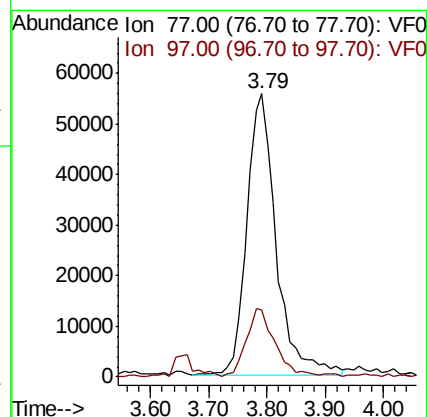
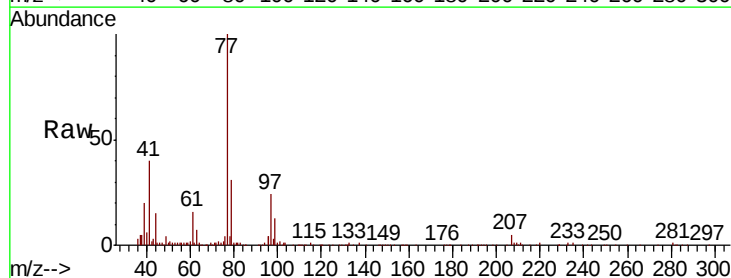
Acq: 17 May 2019 11:48

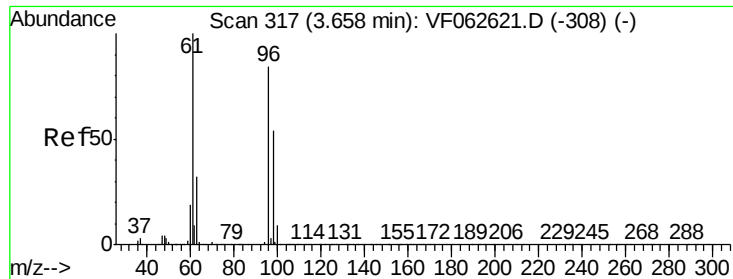
Tgt Ion: 77 Resp: 198145

Ion Ratio Lower Upper

77 100

97 23.9 14.1 42.4



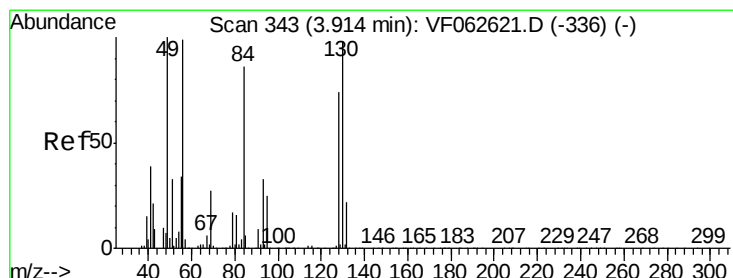
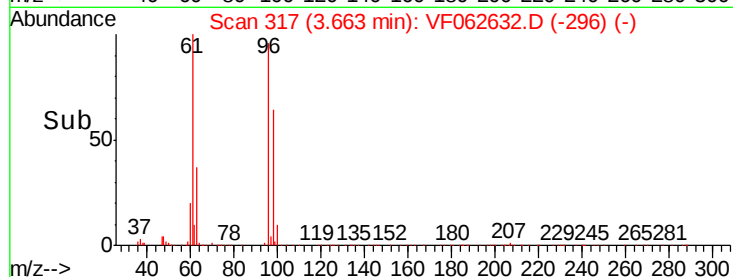
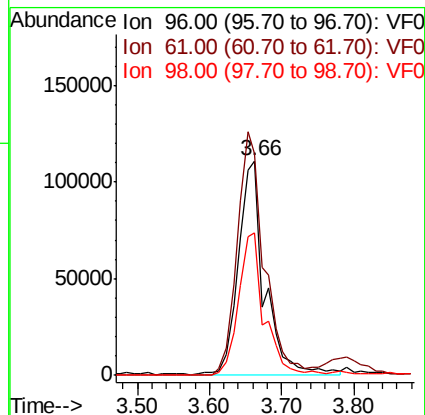
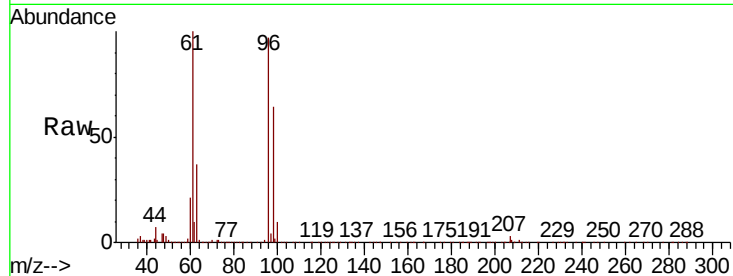


#27

cis-1,2-Dichloroethene
Concen: 20.807 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

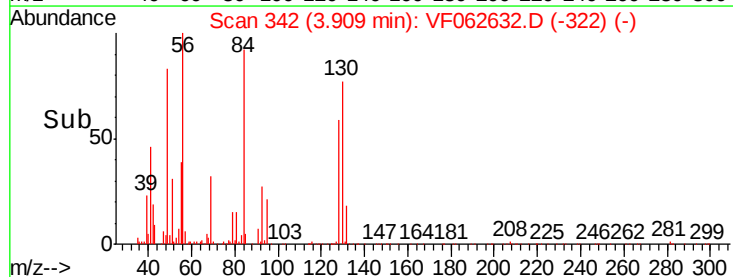
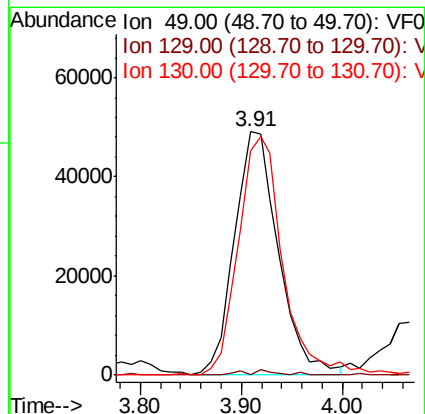
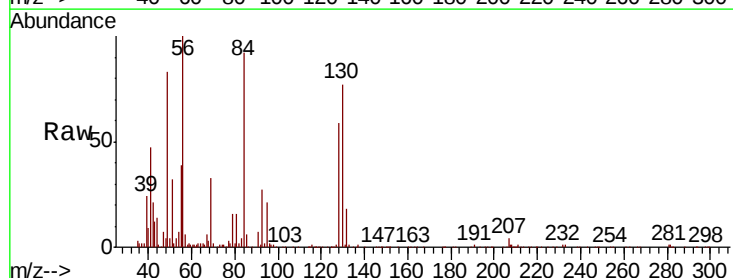
Tgt Ion: 96 Resp: 281983
Ion Ratio Lower Upper
96 100
61 103.4 0.0 237.4
98 66.2 0.0 129.0

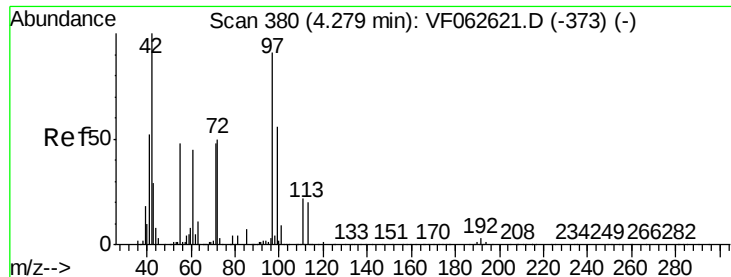


#28

Bromochloromethane
Concen: 19.059 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 49 Resp: 147547
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 92.1 77.8 116.8

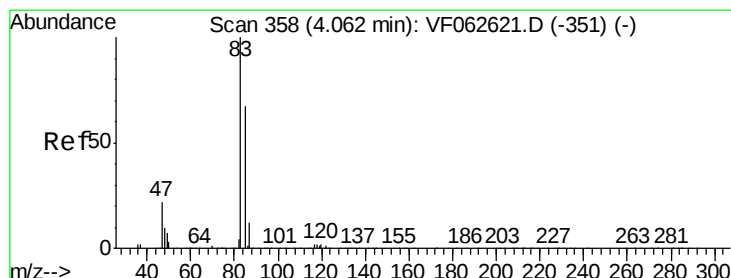
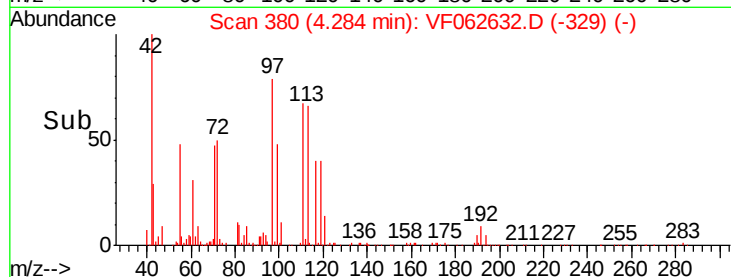
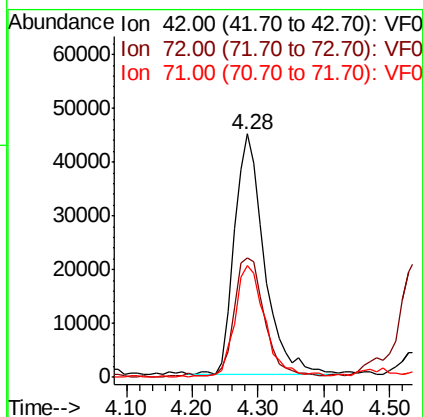
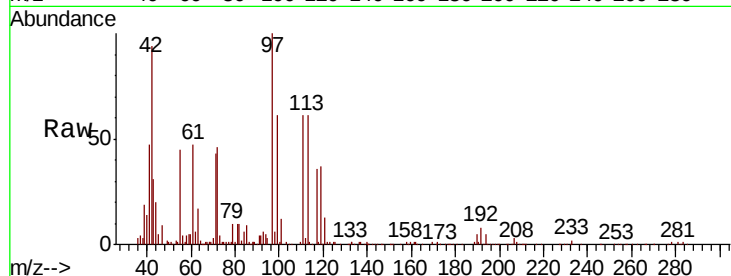




#29
Tetrahydrofuran
Concen: 96.595 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

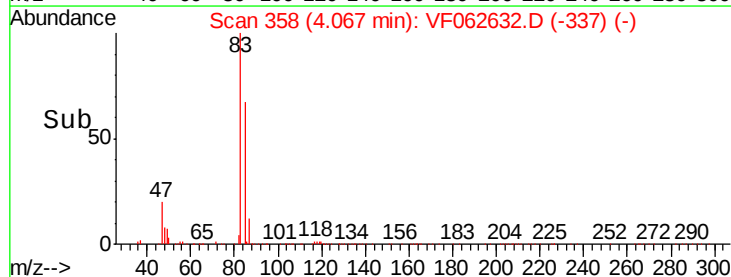
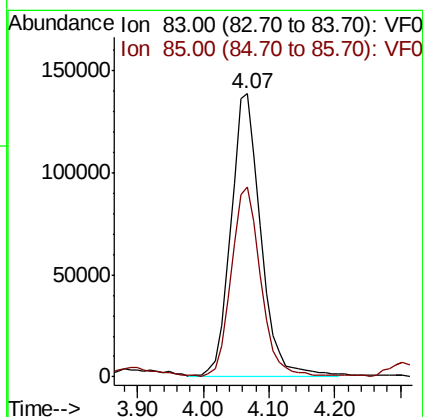
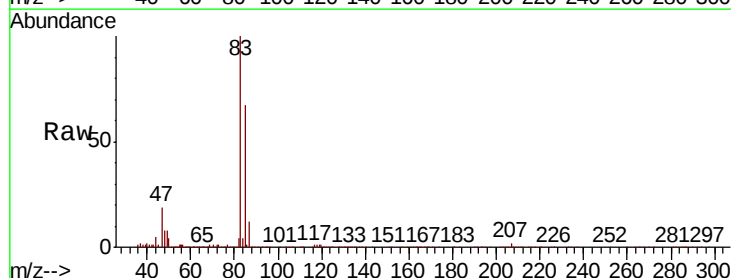
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

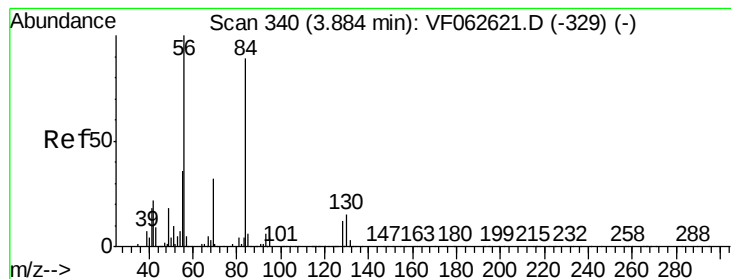
Tgt Ion: 42 Resp: 143662
Ion Ratio Lower Upper
42 100
72 49.2 38.2 57.2
71 46.7 35.8 53.6



#30
Chloroform
Concen: 22.790 ug/l
RT: 4.07 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 83 Resp: 436759
Ion Ratio Lower Upper
83 100
85 66.9 53.6 80.4





#31

Cyclohexane

Concen: 21.704 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

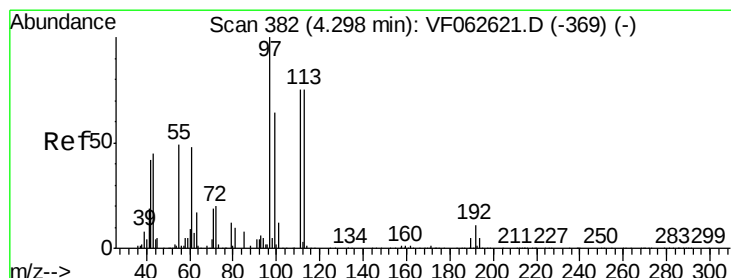
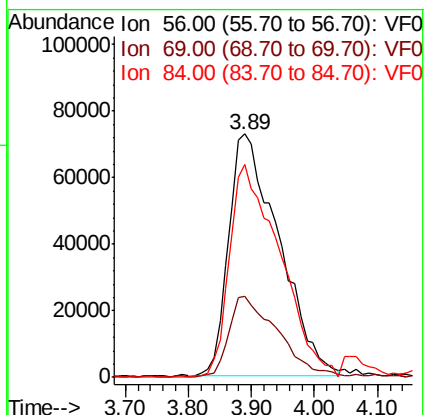
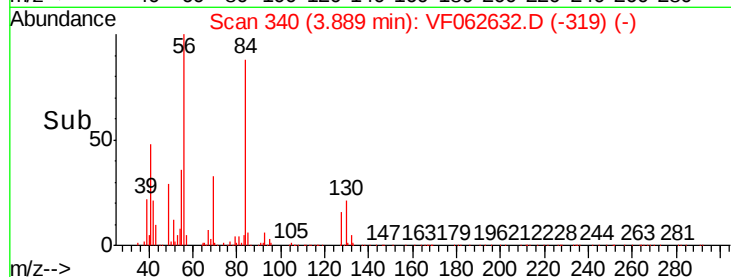
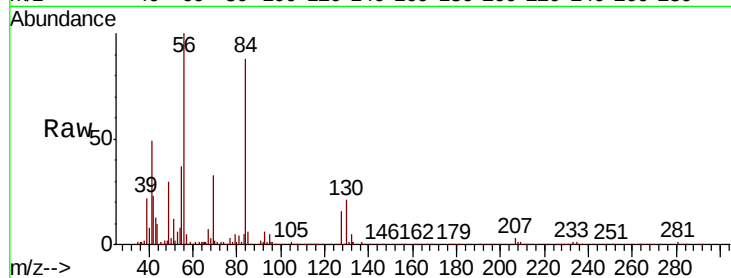
Tgt Ion: 56 Resp: 402271

Ion Ratio Lower Upper

56 100

69 33.4 25.3 37.9

84 87.7 71.0 106.4



#32

1,1,1-Trichloroethane

Concen: 22.687 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

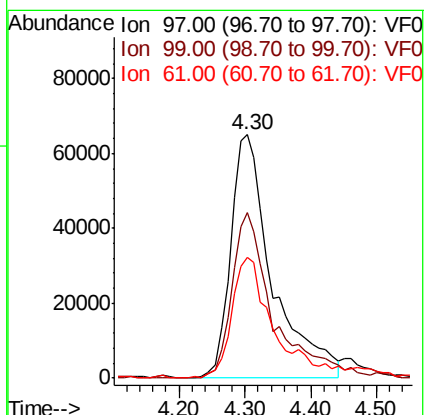
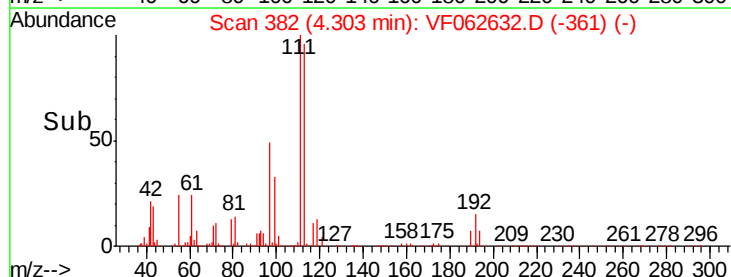
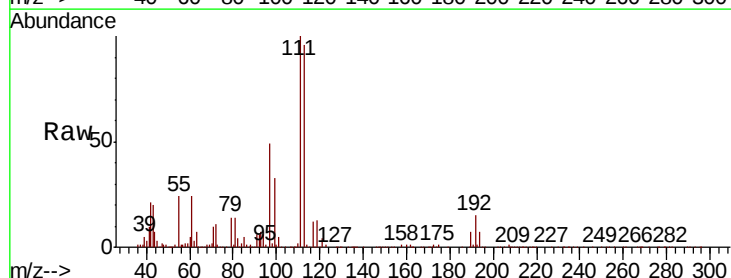
Tgt Ion: 97 Resp: 288760

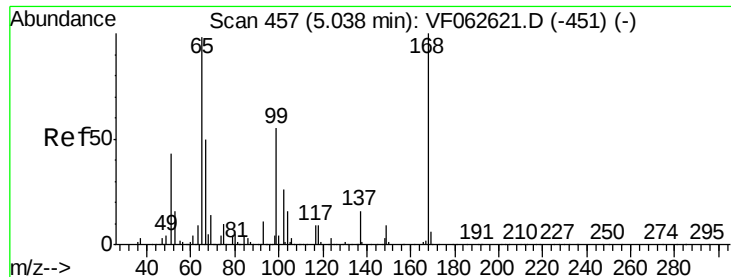
Ion Ratio Lower Upper

97 100

99 68.0 51.3 76.9

61 49.4 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 45.874 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

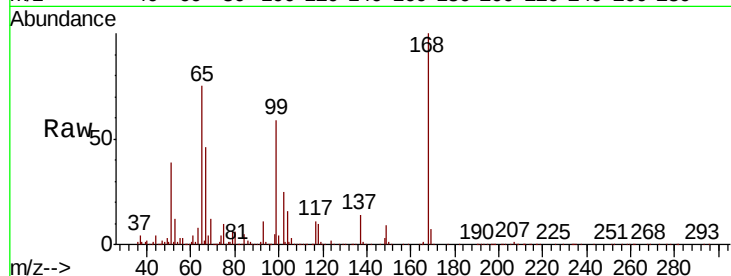
VF0517SBS01

Tgt Ion: 65 Resp: 304177

Ion Ratio Lower Upper

65 100

67 60.7 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

120000

100000

80000

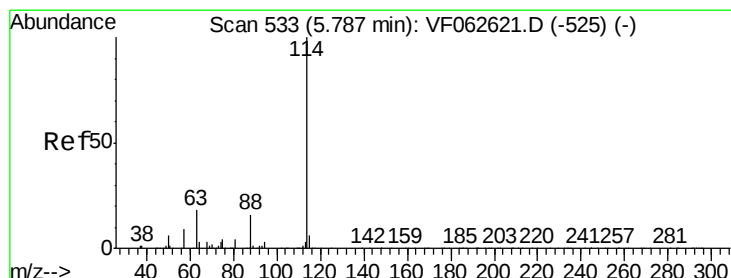
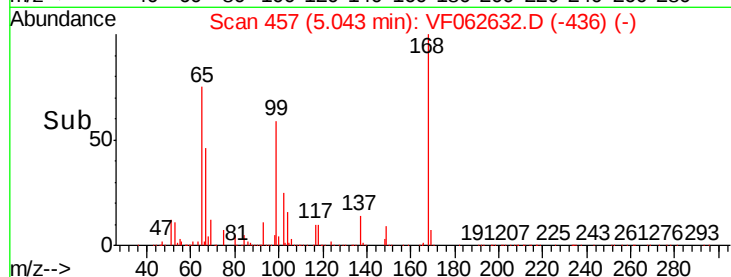
60000

40000

20000

0

Time--> 4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

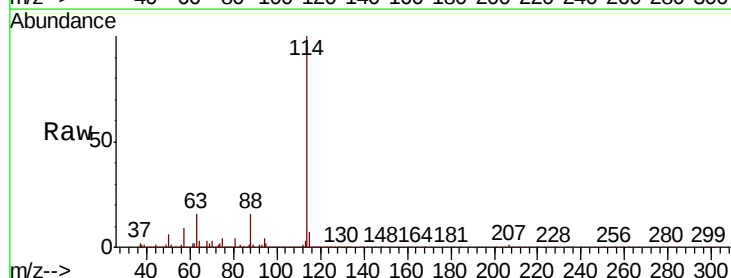
Tgt Ion: 114 Resp: 1562806

Ion Ratio Lower Upper

114 100

63 15.7 0.0 35.4

88 16.2 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

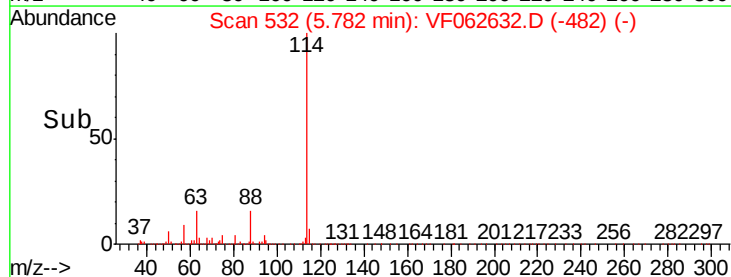
600000

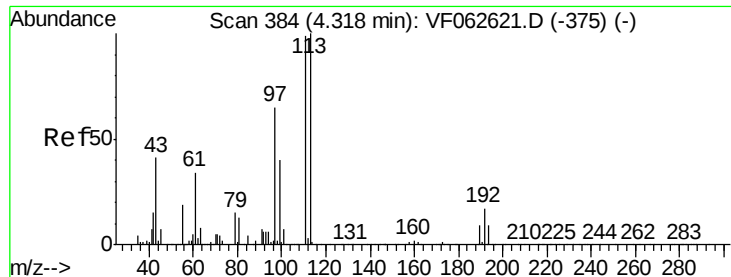
400000

200000

0

Time--> 5.60 5.80 6.00

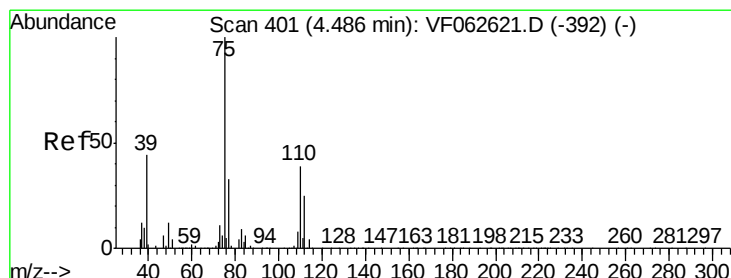
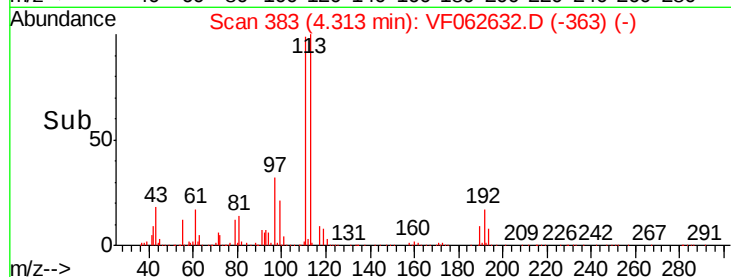
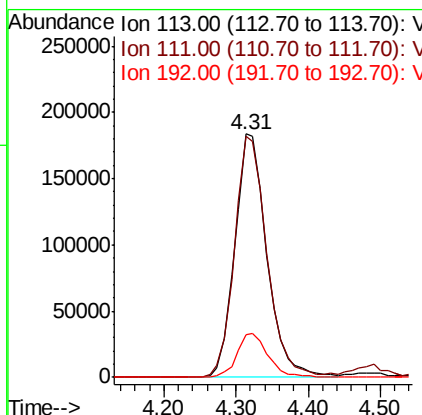
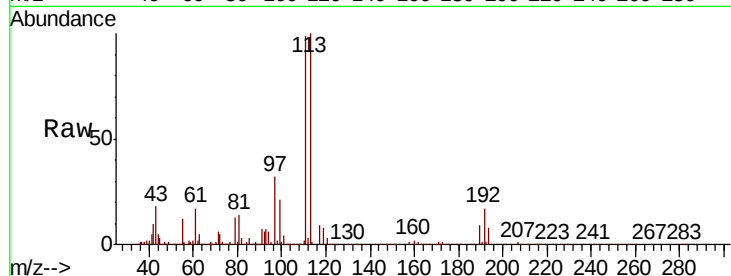




#35
 Dibromofluoromethane
 Concen: 47.779 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

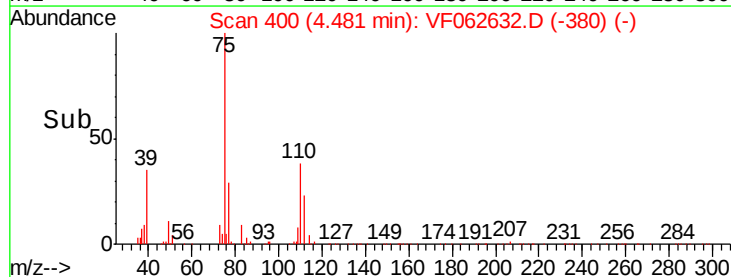
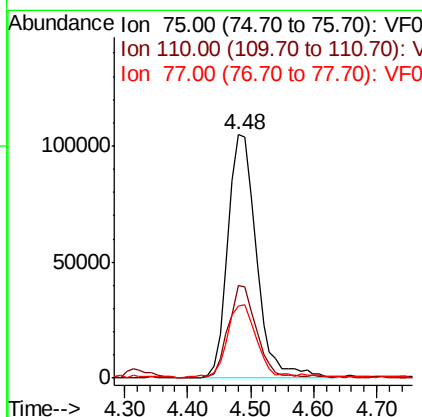
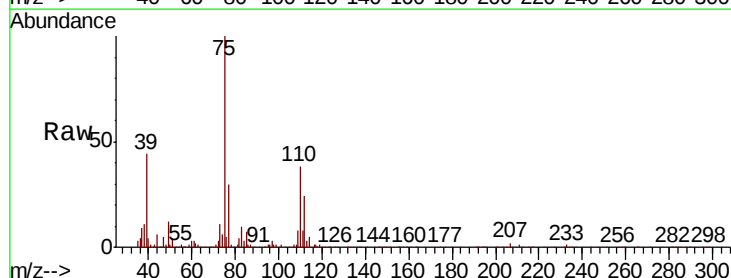
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.0	79.4	119.2
192	17.6	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 20.542 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.7	59.1
77	29.5	26.3	39.5

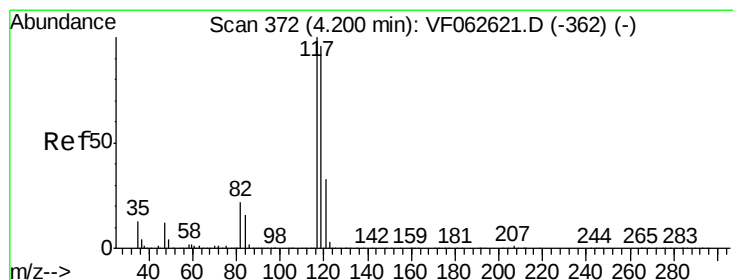
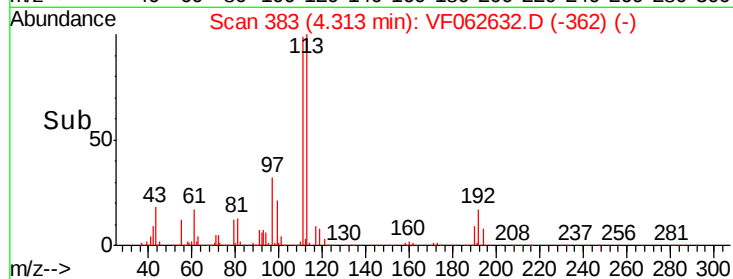
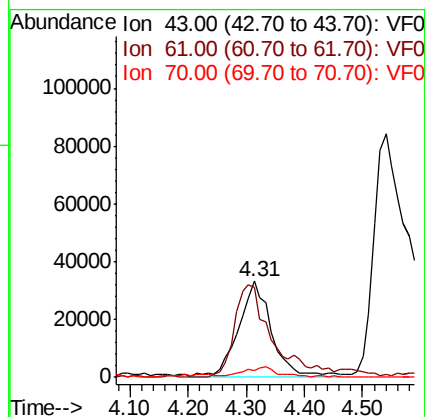
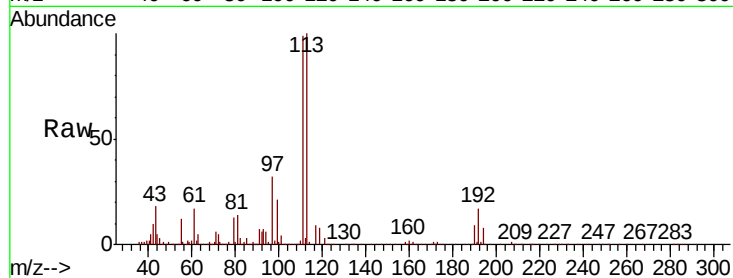




#37
Ethyl Acetate
Concen: 20.365 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

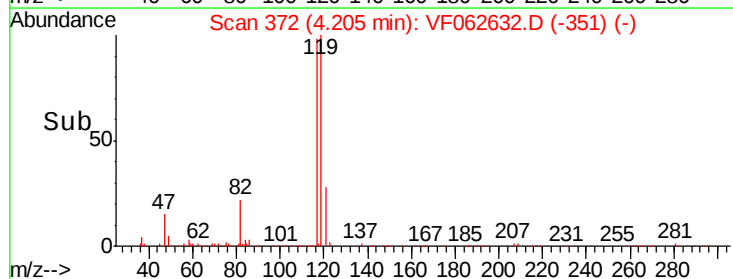
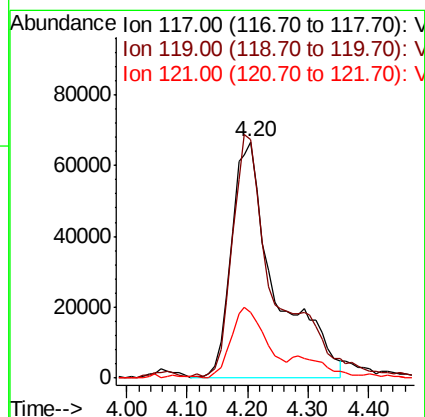
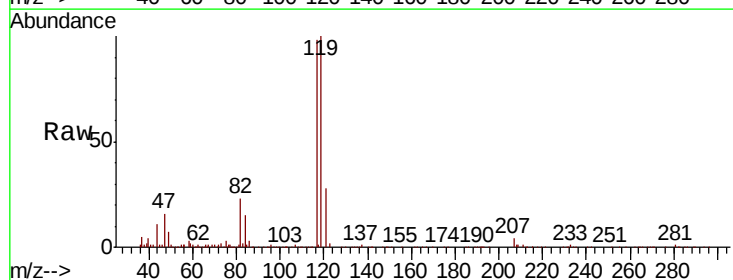
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

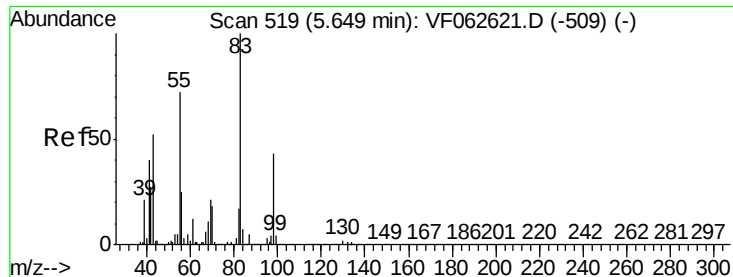
Tgt Ion: 43 Resp: 133159
Ion Ratio Lower Upper
43 100
61 93.2 76.9 115.3
70 7.7 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 27.756 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 117 Resp: 334287
Ion Ratio Lower Upper
117 100
119 101.0 76.7 115.1
121 28.0 26.6 40.0

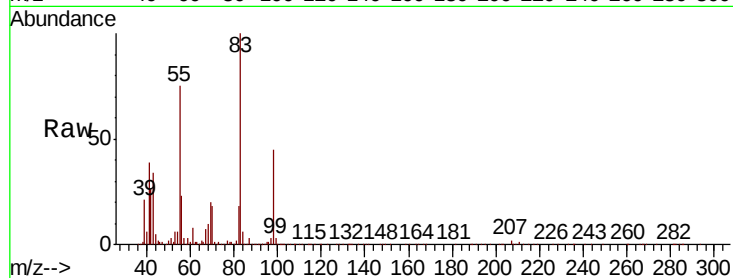




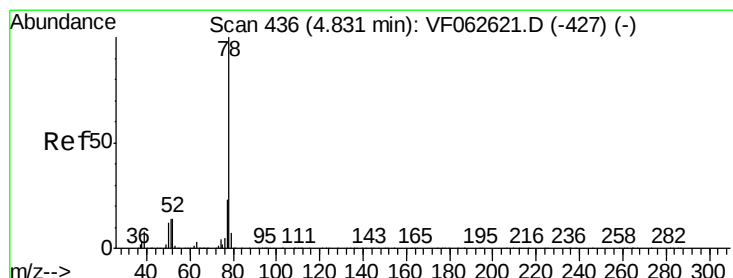
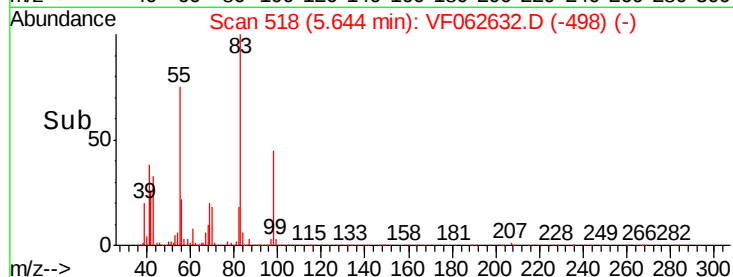
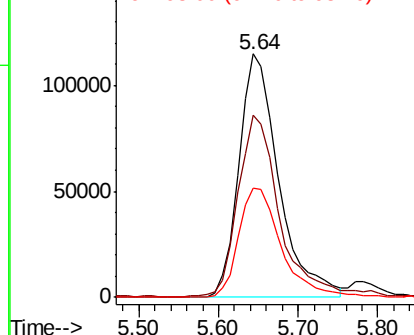
#39
Methylcyclohexane
Concen: 20.683 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tgt Ion: 83 Resp: 398540
Ion Ratio Lower Upper
83 100
55 74.6 57.9 86.9
98 44.8 34.6 52.0

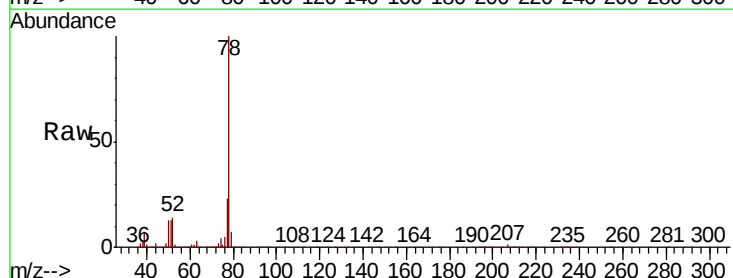


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

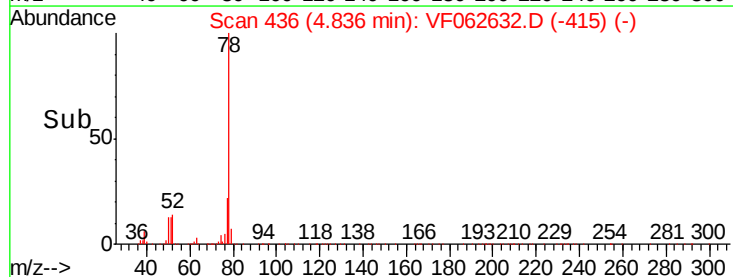
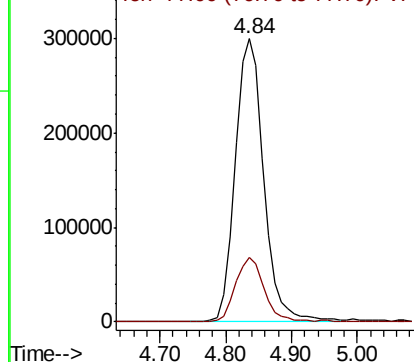


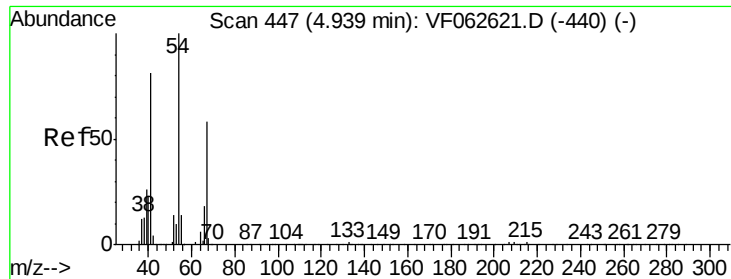
#40
Benzene
Concen: 20.774 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 78 Resp: 906272
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.365 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tgt Ion: 41 Resp: 69810

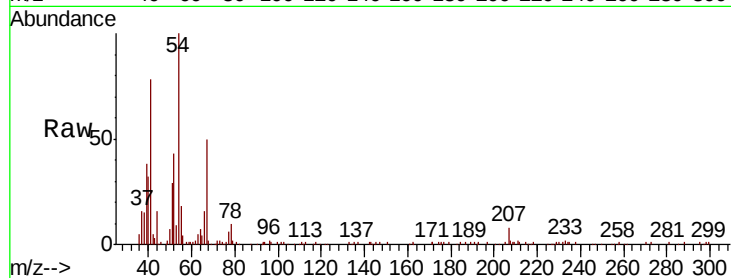
Ion Ratio Lower Upper

41 100

39 49.3 42.2 63.2

67 64.6 56.4 84.6

52 55.6 38.8 58.2

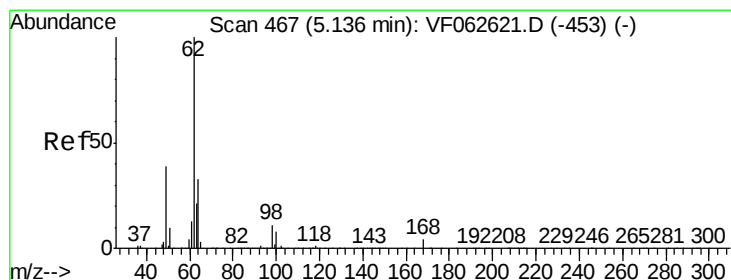
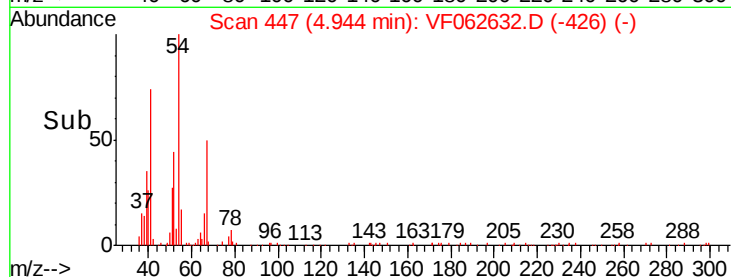
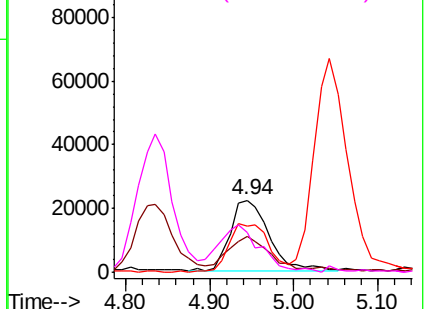


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 19.865 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF062632.D

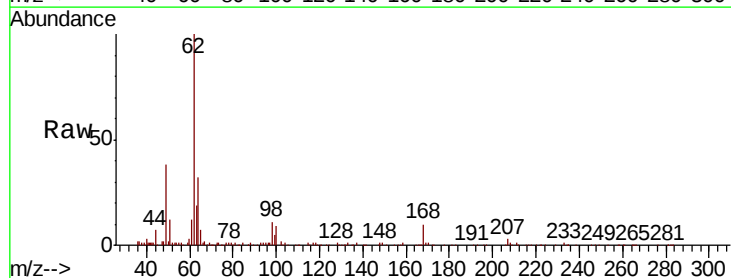
Acq: 17 May 2019 11:48

Tgt Ion: 62 Resp: 172818

Ion Ratio Lower Upper

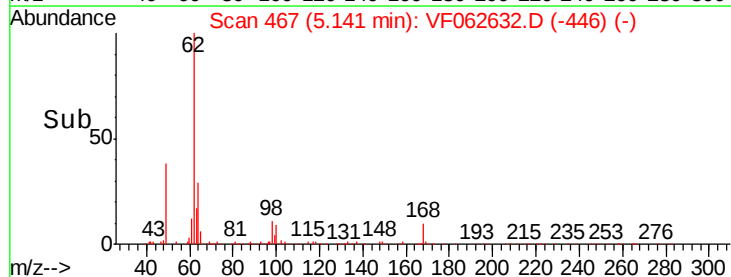
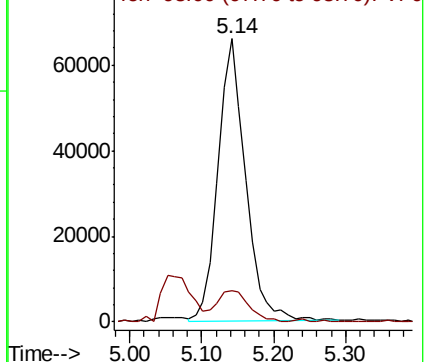
62 100

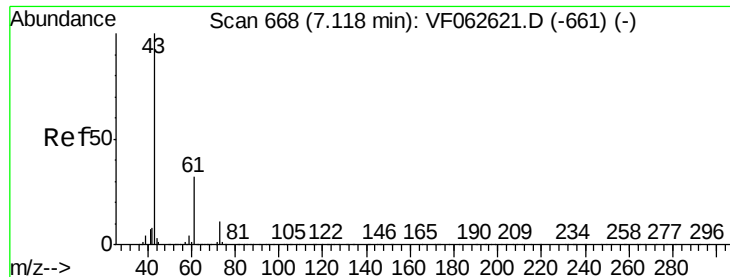
98 11.2 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.540 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

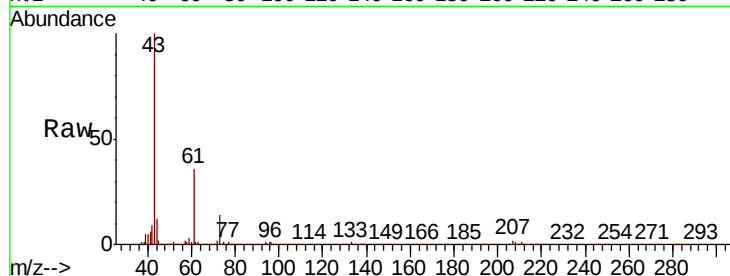
Tgt Ion: 43 Resp: 157054

Ion Ratio Lower Upper

43 100

61 36.3 25.8 38.8

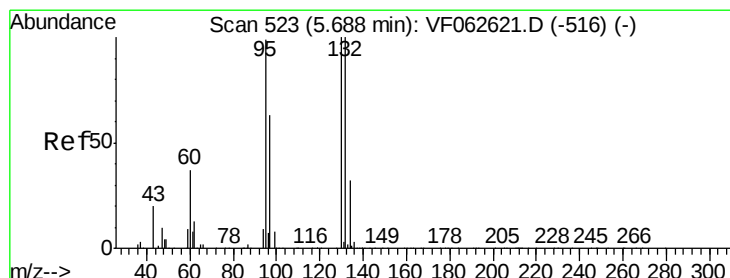
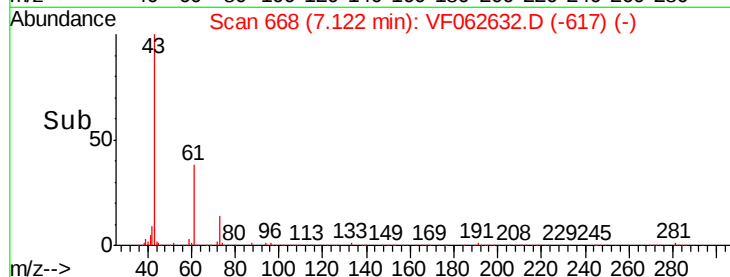
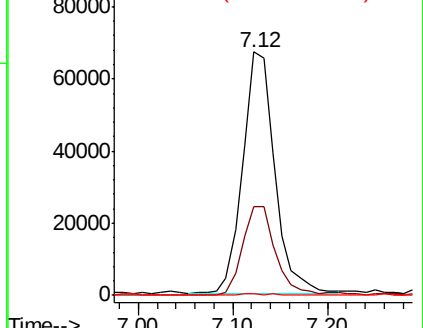
87 0.7 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.868 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062632.D

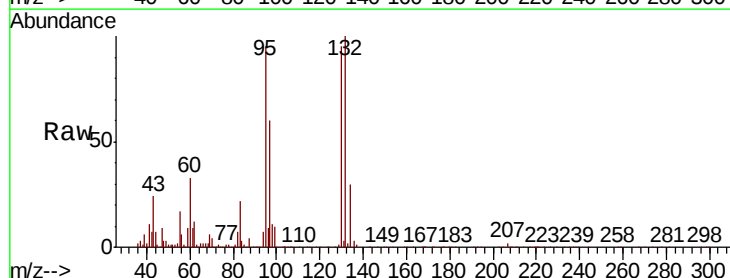
Acq: 17 May 2019 11:48

Tgt Ion: 130 Resp: 268135

Ion Ratio Lower Upper

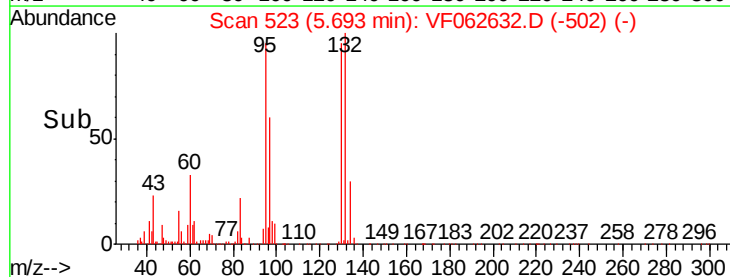
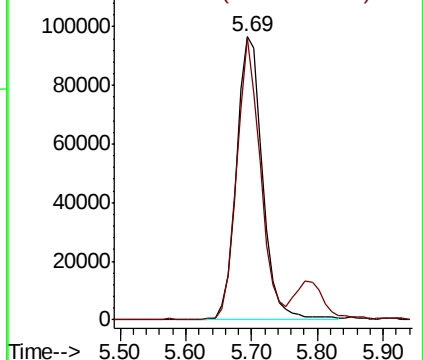
130 100

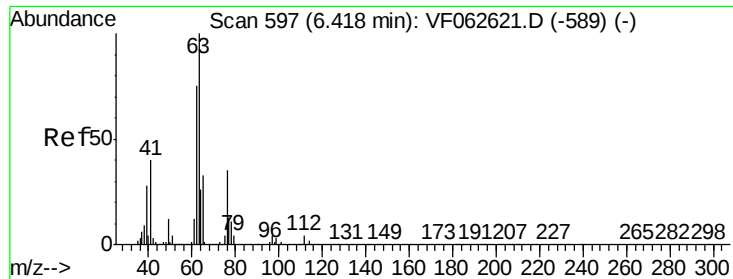
95 99.6 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

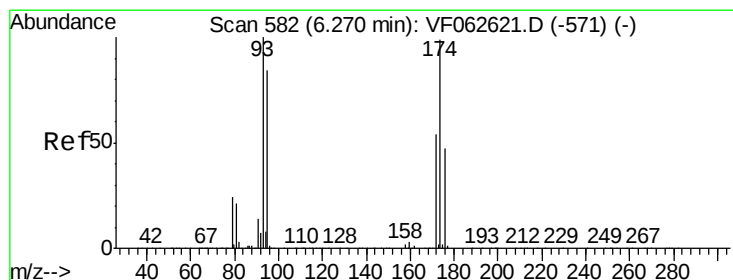
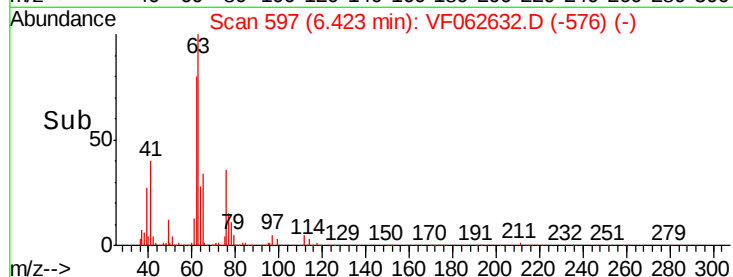
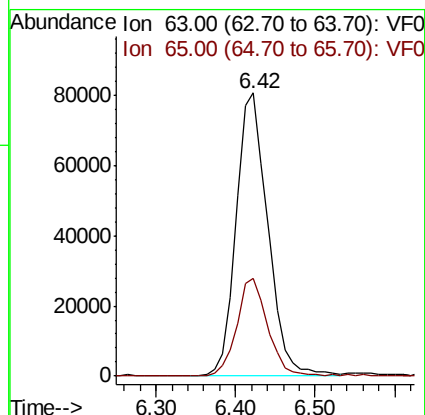
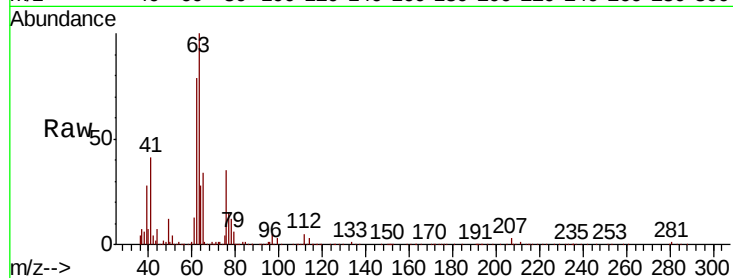




#45
 1,2-Dichloropropane
 Concen: 20.162 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

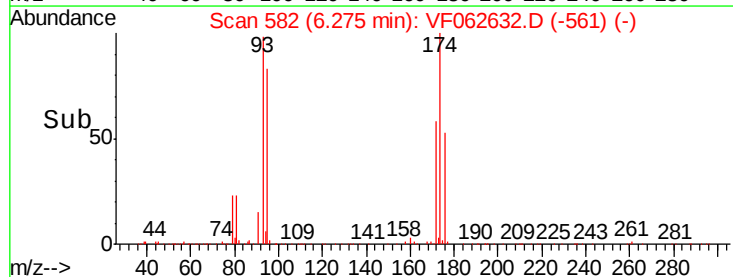
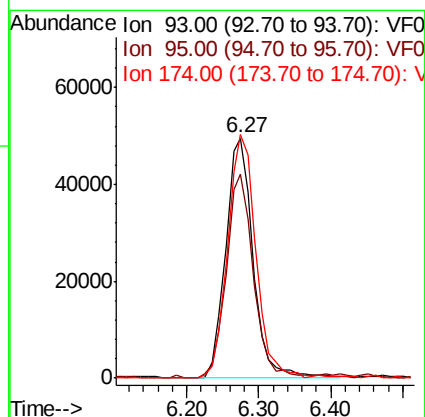
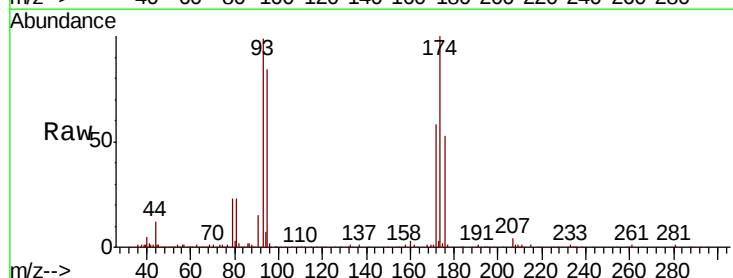
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tgt Ion: 63 Resp: 222045
 Ion Ratio Lower Upper
 63 100
 65 34.4 26.3 39.5



#46
 Dibromomethane
 Concen: 20.545 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion: 93 Resp: 130758
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.4 101.2
 174 103.0 79.4 119.2





#47

Bromodichloromethane

Concen: 20.525 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

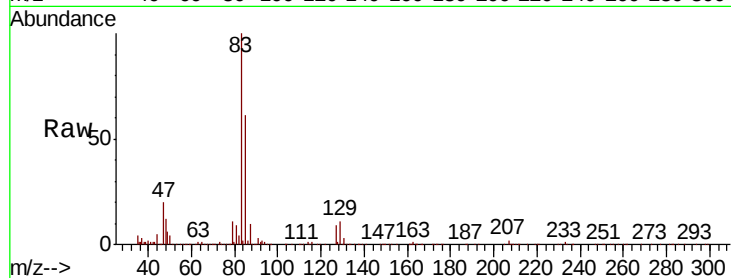
Tgt Ion: 83 Resp: 271198

Ion Ratio Lower Upper

83 100

85 61.1 52.0 78.0

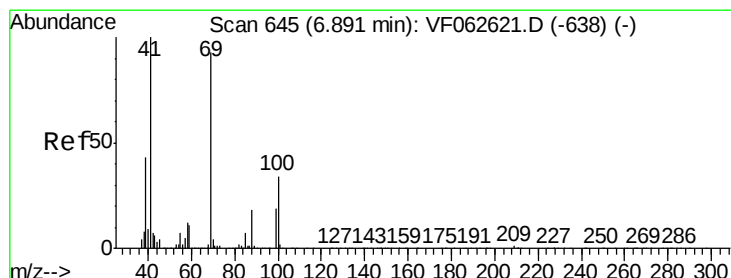
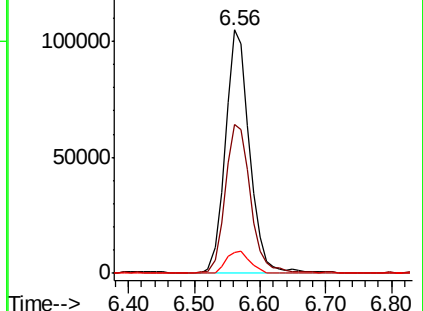
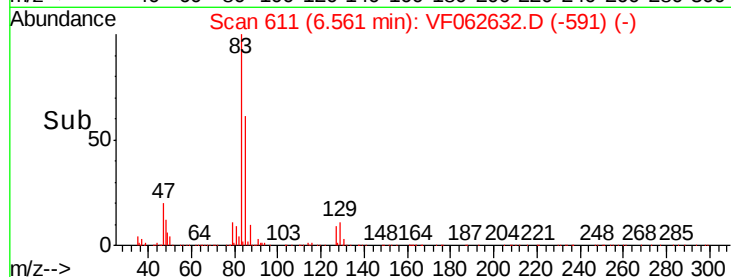
127 8.7 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.424 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

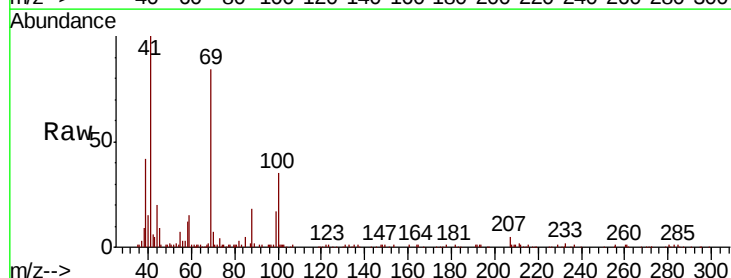
Tgt Ion: 41 Resp: 81574

Ion Ratio Lower Upper

41 100

69 83.6 74.2 111.2

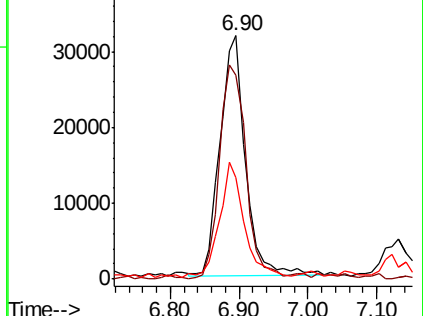
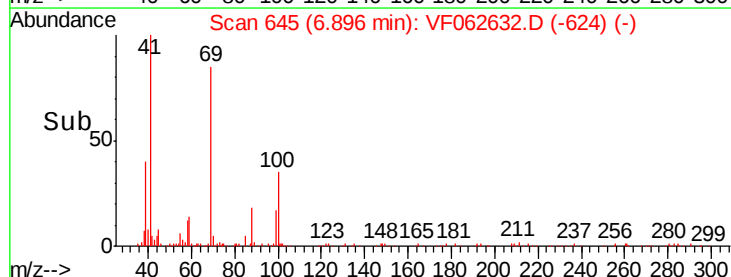
39 41.7 34.2 51.4

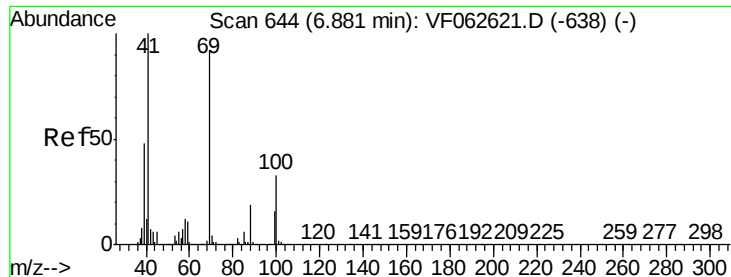


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

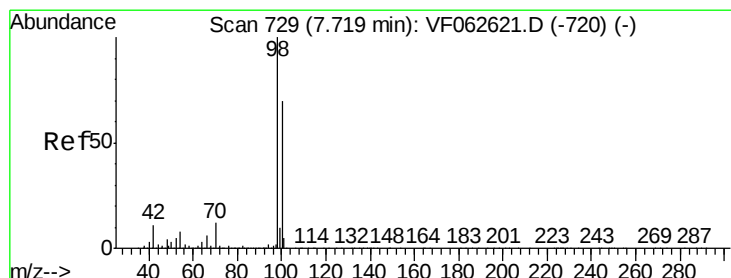
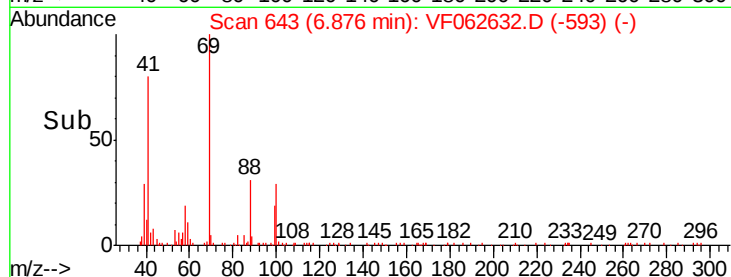
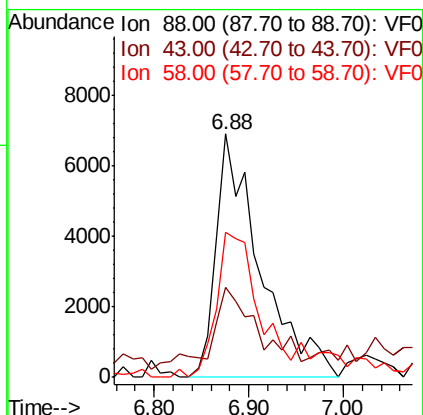
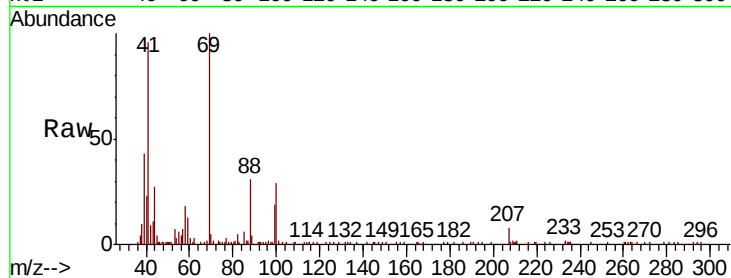




#49
1,4-Dioxane
Concen: 394.387 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

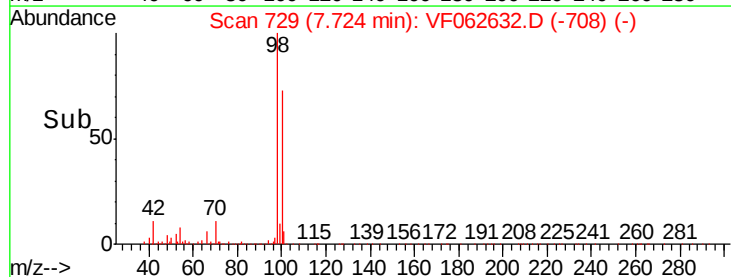
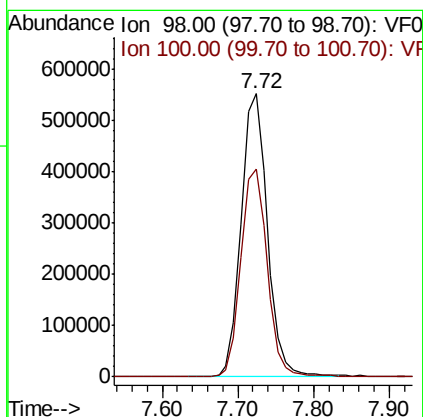
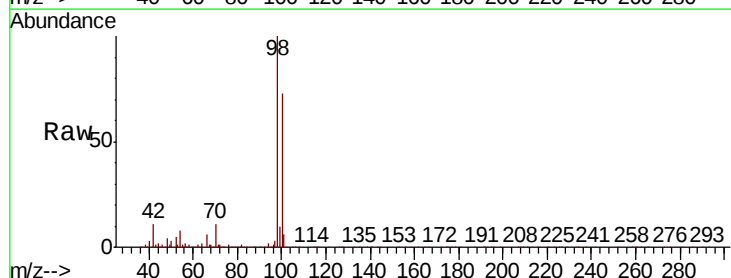
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

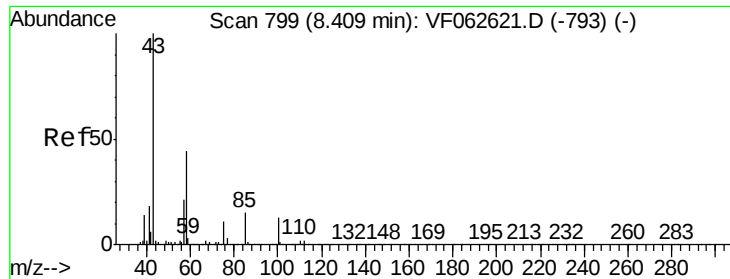
Tgt Ion: 88 Resp: 22365
Ion Ratio Lower Upper
88 100
43 37.2 30.0 45.0
58 59.4 51.1 76.7



#50
Toluene-d8
Concen: 46.435 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 98 Resp: 1325850
Ion Ratio Lower Upper
98 100
100 73.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 93.198 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

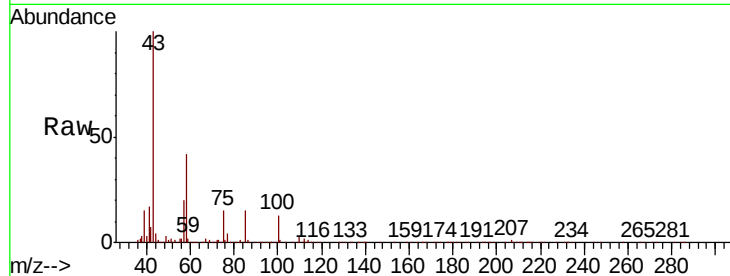
VF0517SBS01

Tgt Ion: 43 Resp: 539634

Ion Ratio Lower Upper

43 100

58 41.9 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

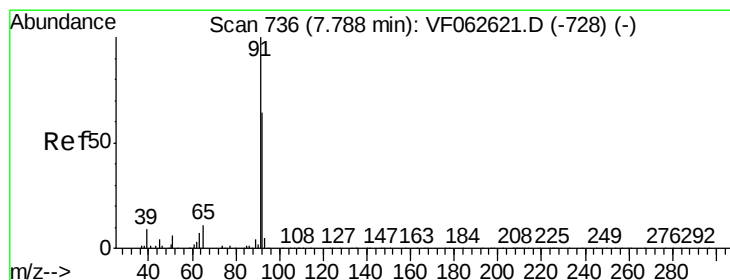
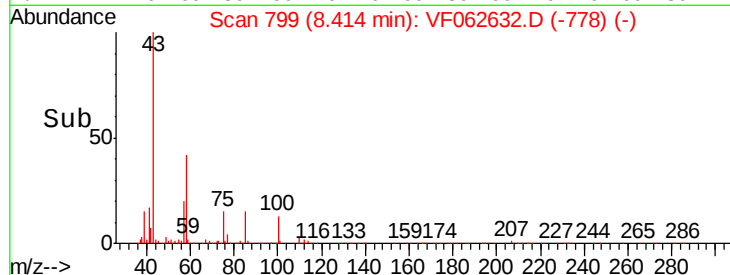
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 22.089 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062632.D

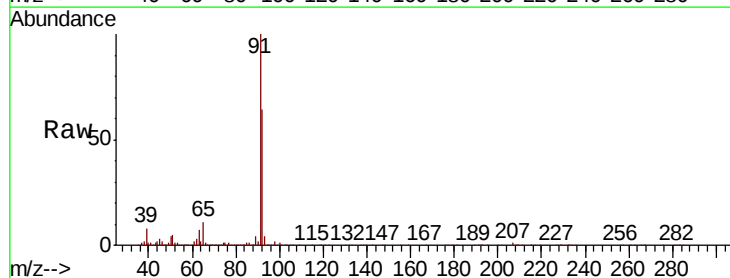
Acq: 17 May 2019 11:48

Tgt Ion: 92 Resp: 505391

Ion Ratio Lower Upper

92 100

91 157.4 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

400000

300000

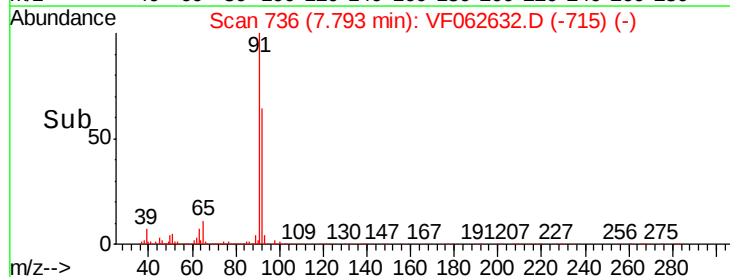
200000

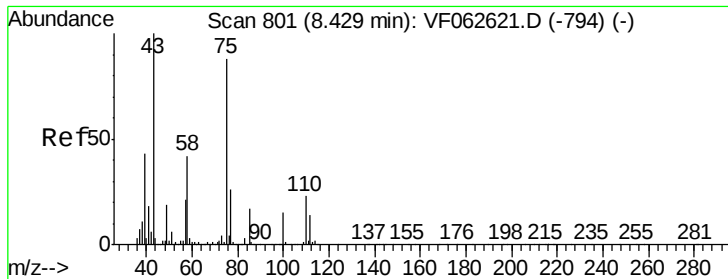
100000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.102 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

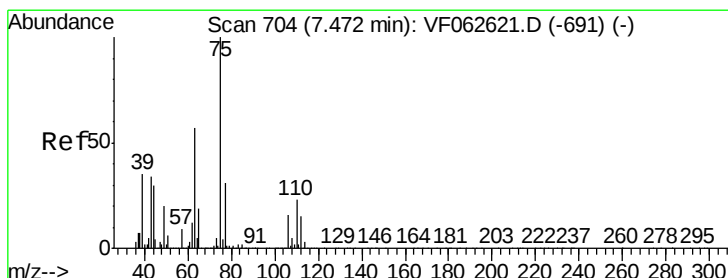
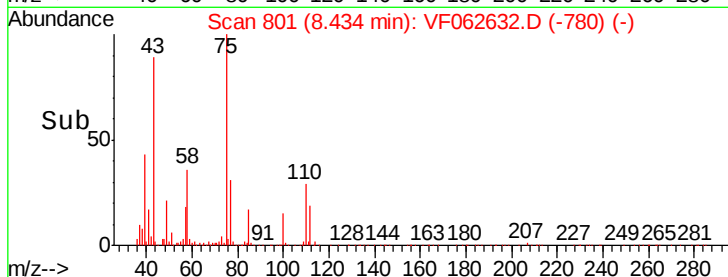
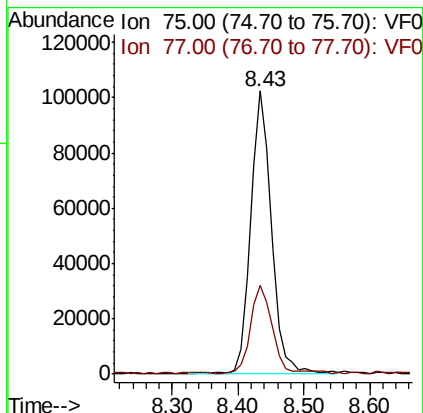
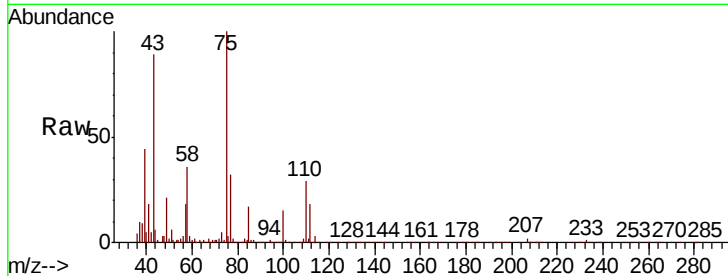
VF0517SBS01

Tgt Ion: 75 Resp: 228110

Ion Ratio Lower Upper

75 100

77 31.6 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 21.402 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

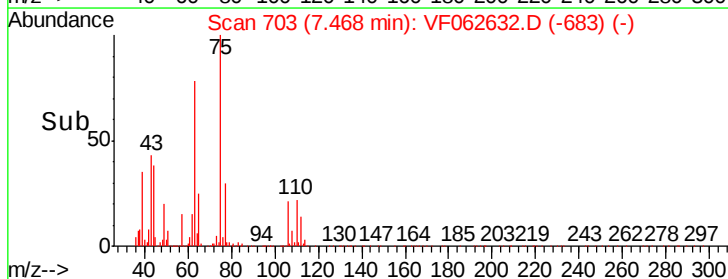
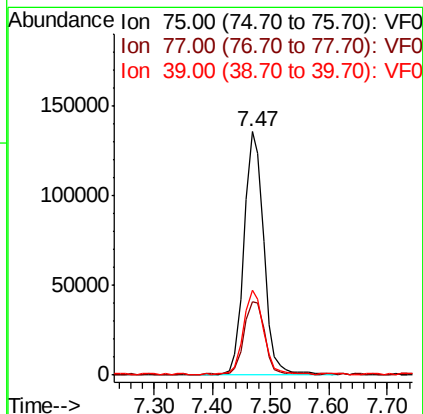
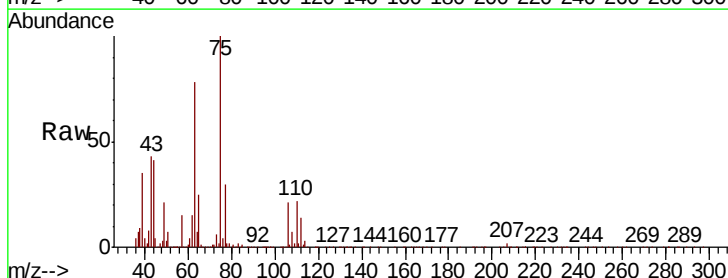
Tgt Ion: 75 Resp: 323859

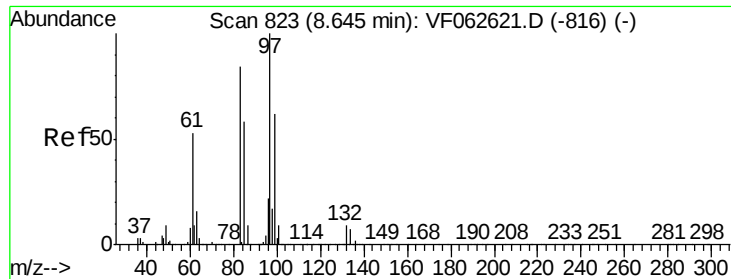
Ion Ratio Lower Upper

75 100

77 30.2 25.3 37.9

39 35.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 21.124 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tgt Ion: 97 Resp: 143101

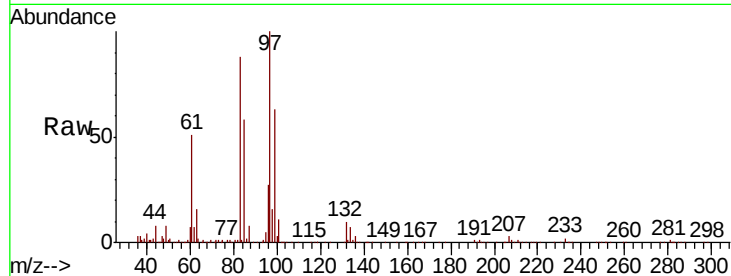
Ion Ratio Lower Upper

97 100

83 87.7 67.3 100.9

85 58.0 46.6 69.8

99 63.2 49.7 74.5

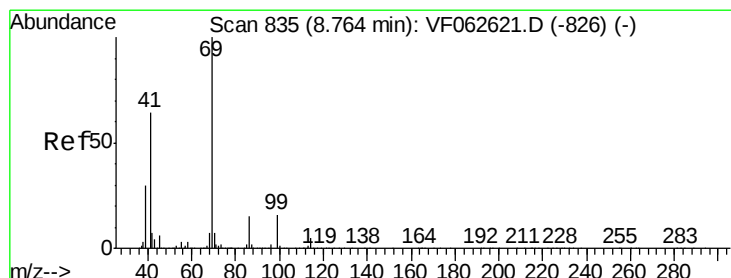
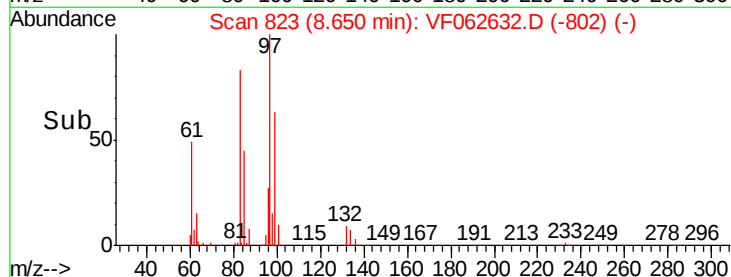
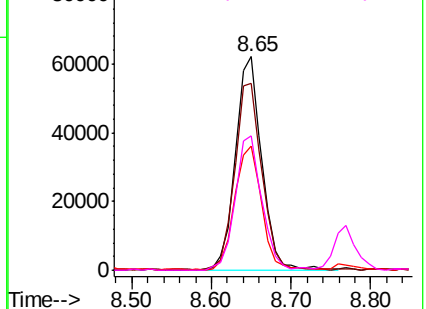


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.159 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

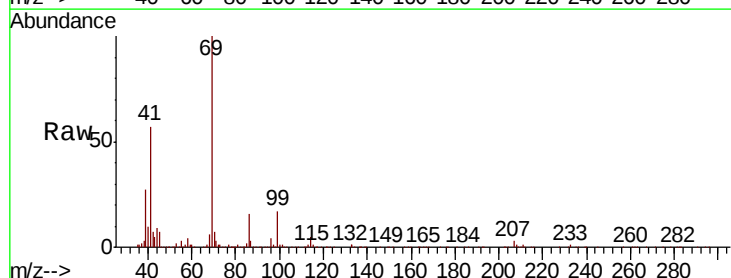
Tgt Ion: 69 Resp: 162700

Ion Ratio Lower Upper

69 100

41 57.0 51.4 77.2

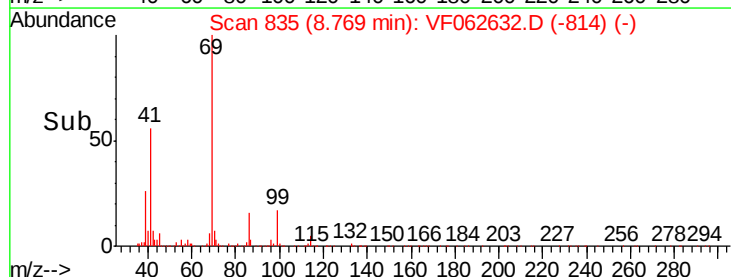
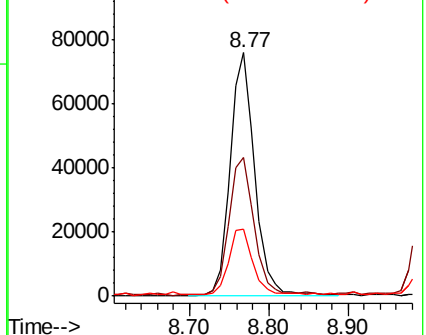
39 27.3 23.6 35.4

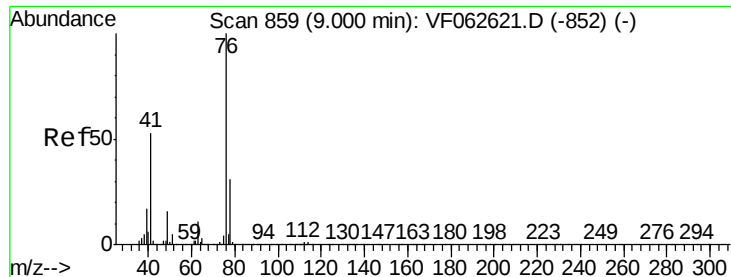


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.289 ug/l

RT: 9.01 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

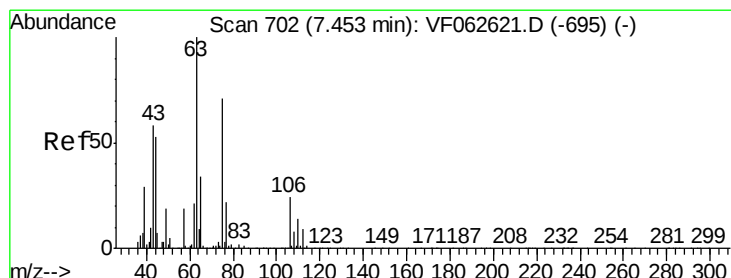
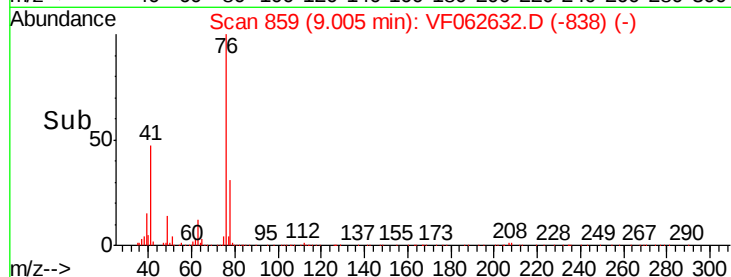
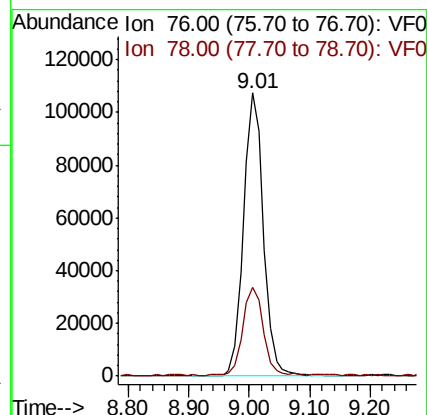
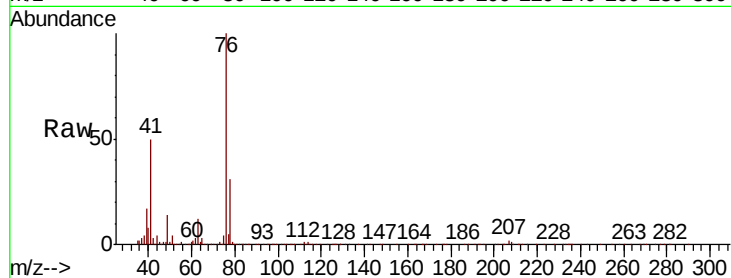
VF0517SBS01

Tgt Ion: 76 Resp: 245654

Ion Ratio Lower Upper

76 100

78 31.4 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.187 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062632.D

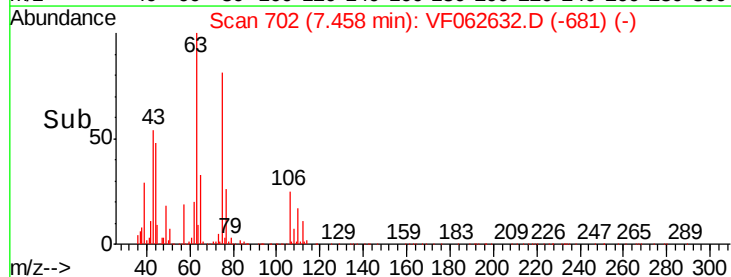
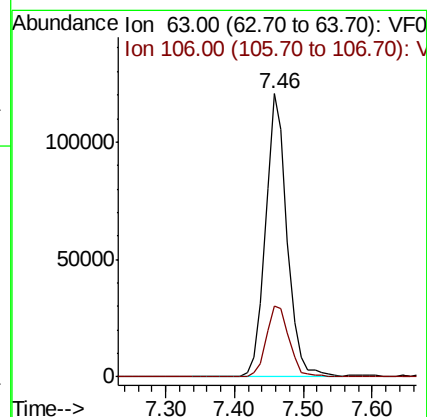
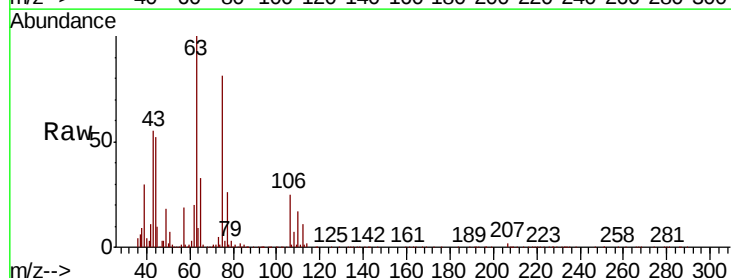
Acq: 17 May 2019 11:48

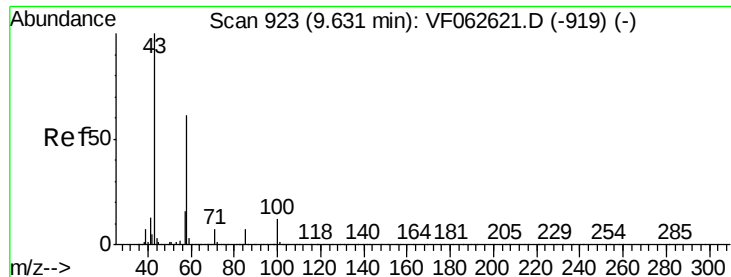
Tgt Ion: 63 Resp: 265823

Ion Ratio Lower Upper

63 100

106 25.1 19.1 28.7

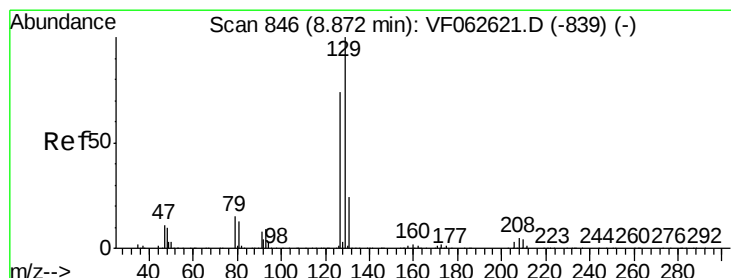
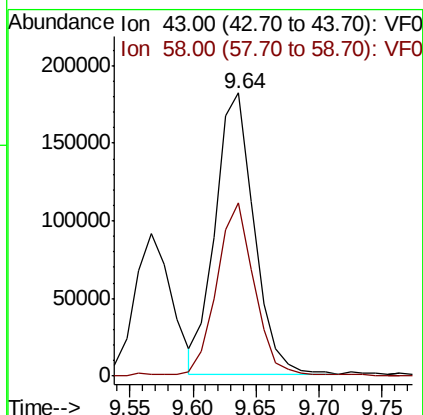
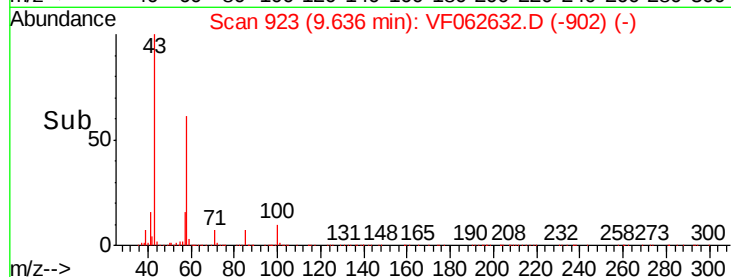
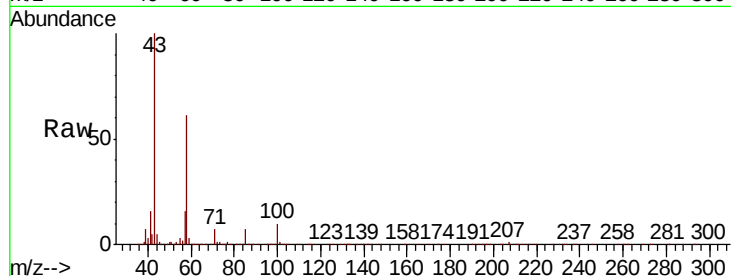




#59
2-Hexanone
Concen: 91.444 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

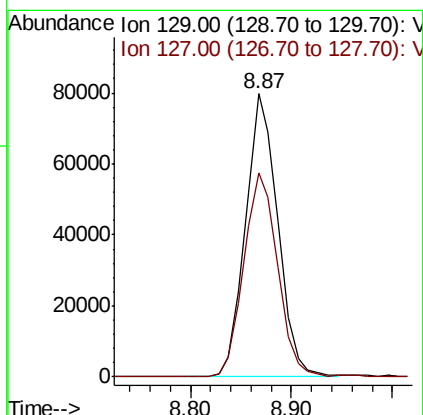
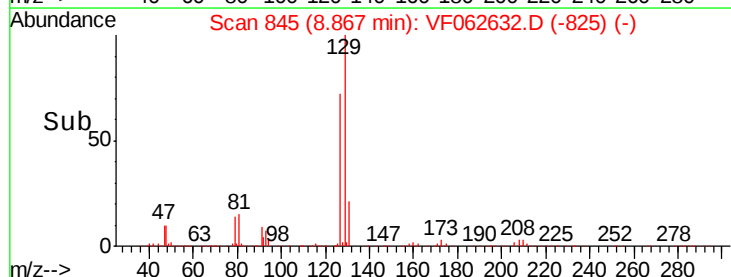
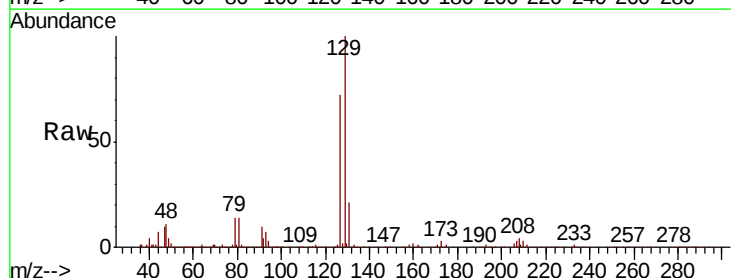
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

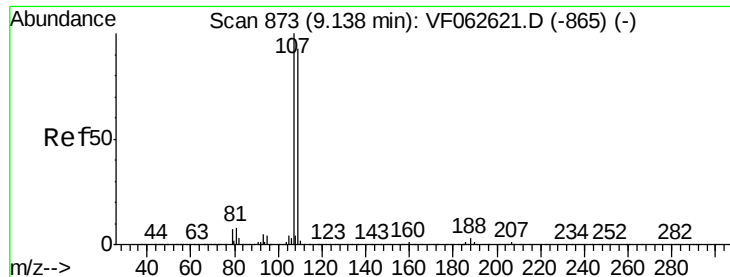
Tgt Ion: 43 Resp: 387074
Ion Ratio Lower Upper
43 100
58 61.1 28.1 84.4



#60
Dibromochloromethane
Concen: 20.123 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 129 Resp: 177672
Ion Ratio Lower Upper
129 100
127 72.2 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.925 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

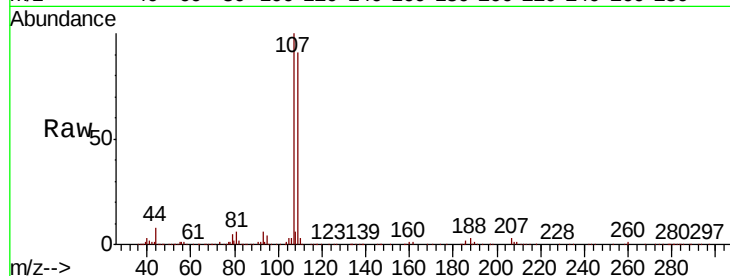
VF0517SBS01

Tgt Ion:107 Resp: 157762

Ion Ratio Lower Upper

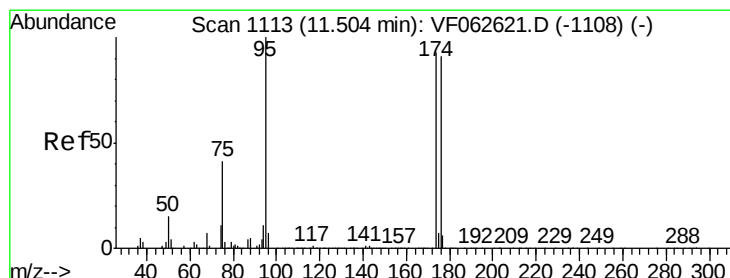
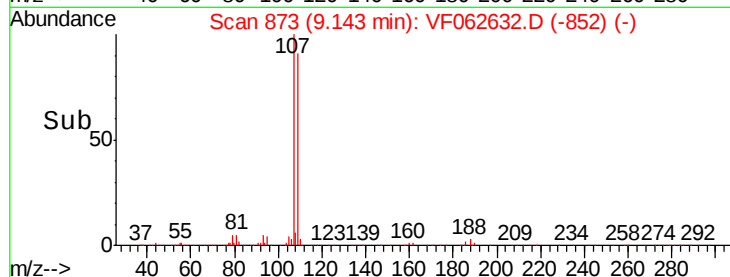
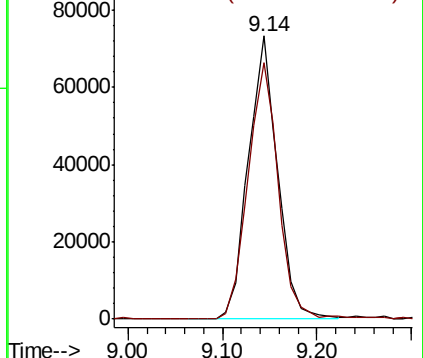
107 100

109 90.6 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 39.616 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

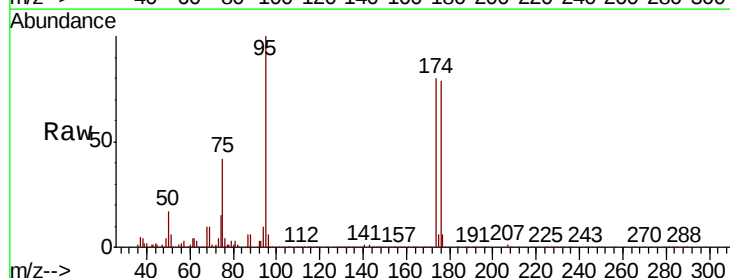
Tgt Ion: 95 Resp: 429005

Ion Ratio Lower Upper

95 100

174 80.1 0.0 185.6

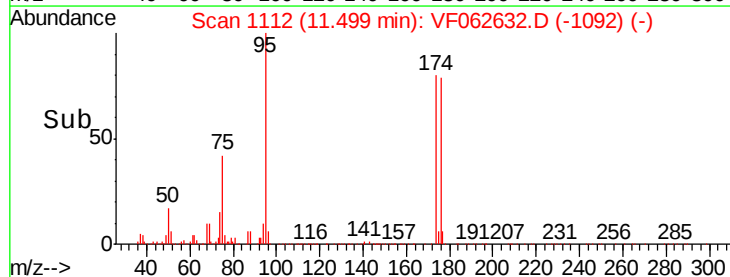
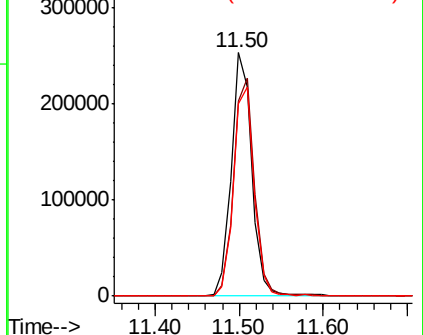
176 78.9 0.0 182.4



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

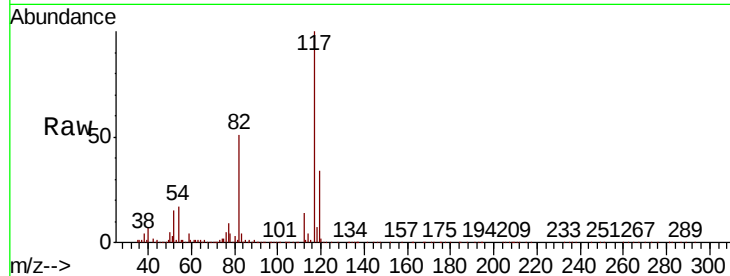




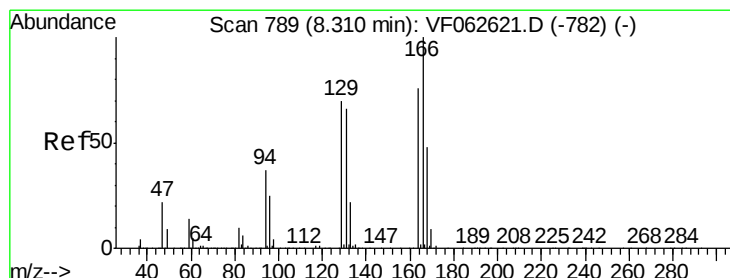
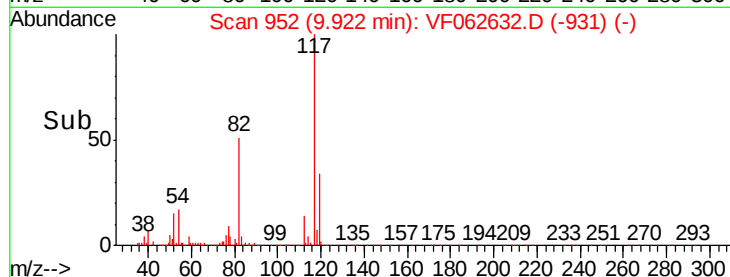
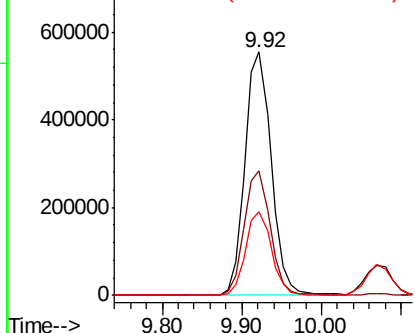
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tgt Ion:117 Resp: 1260975
Ion Ratio Lower Upper
117 100
82 51.3 43.3 64.9
119 34.4 27.4 41.0

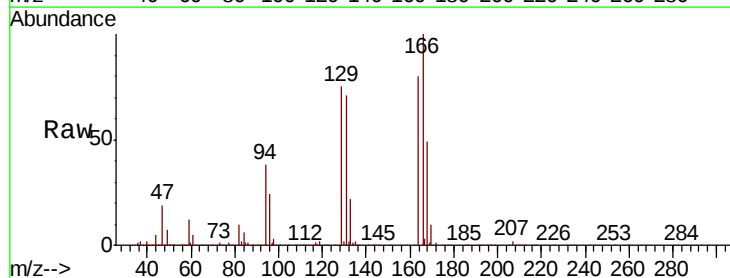


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

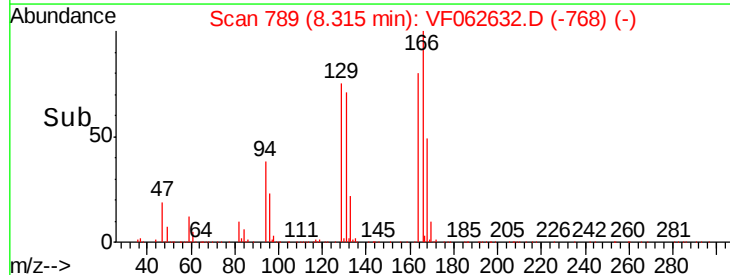
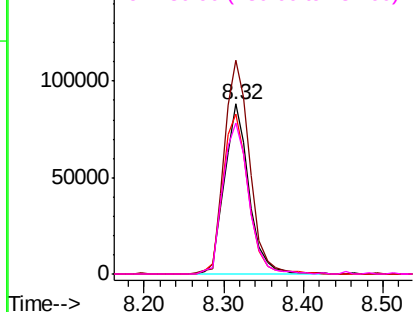


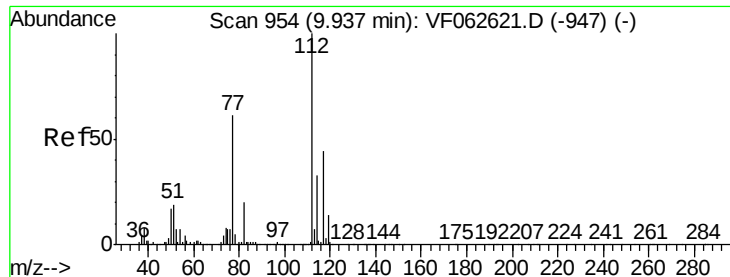
#64
Tetrachloroethene
Concen: 19.100 ug/l
RT: 8.32 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion:164 Resp: 190805
Ion Ratio Lower Upper
164 100
166 125.5 105.5 158.3
129 94.3 73.8 110.6
131 88.5 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

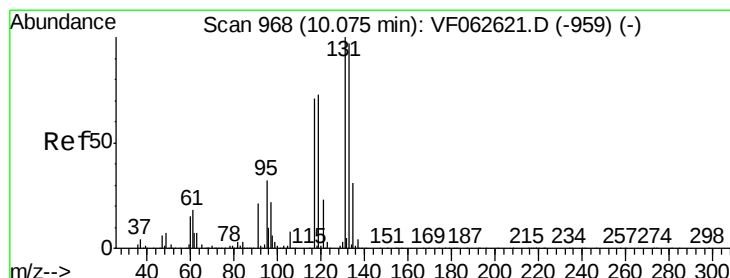
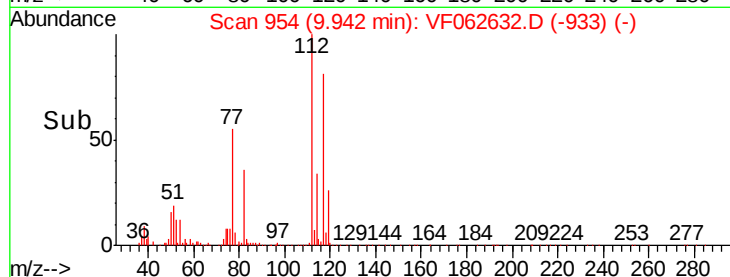
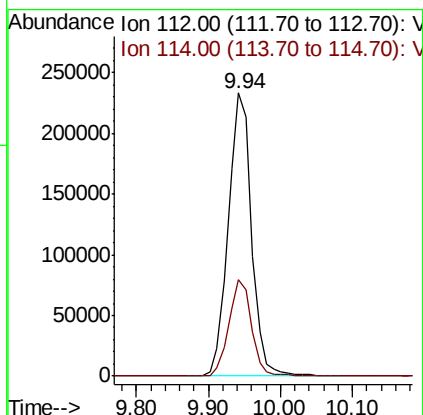
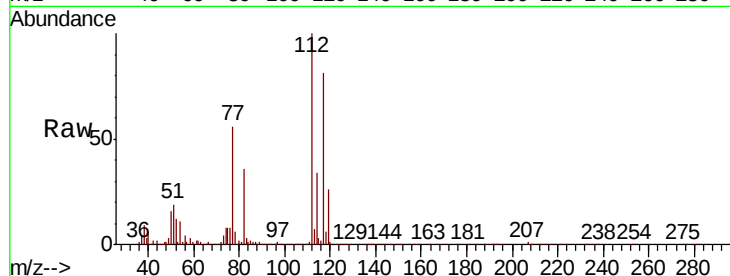




#65
Chlorobenzene
Concen: 21.181 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

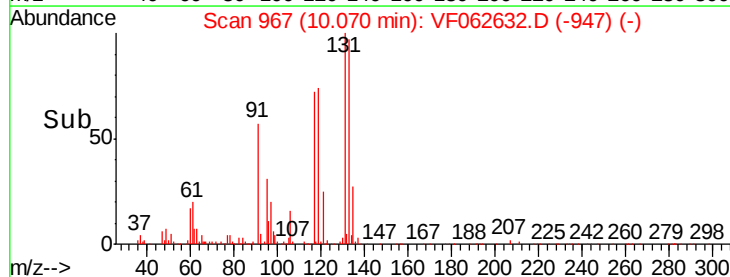
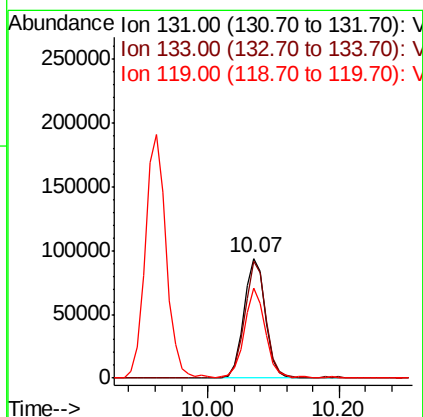
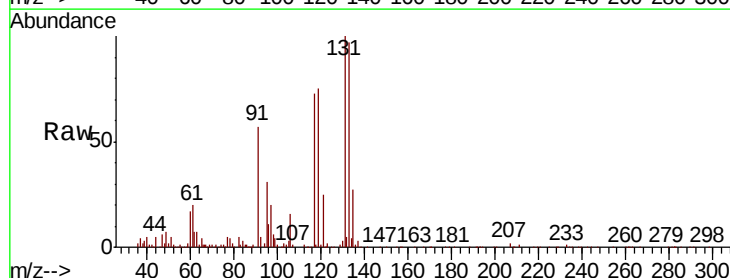
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

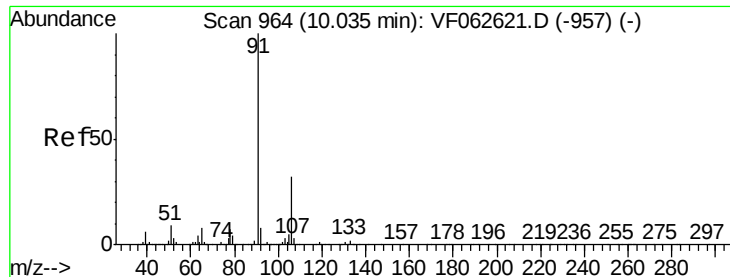
Tgt Ion:112 Resp: 524579
Ion Ratio Lower Upper
112 100
114 34.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.653 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion:131 Resp: 215285
Ion Ratio Lower Upper
131 100
133 97.2 48.5 145.5
119 74.6 36.8 110.4

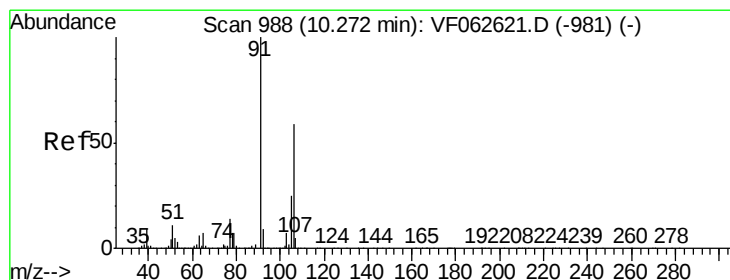
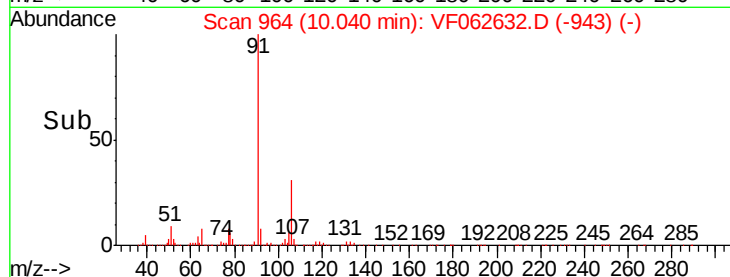
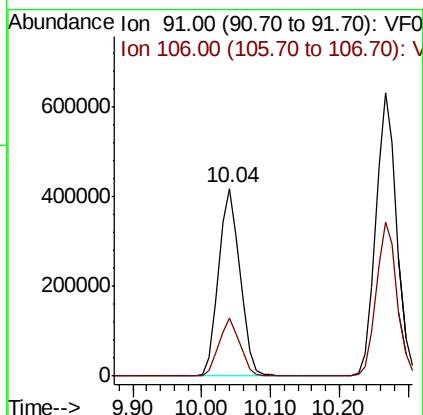
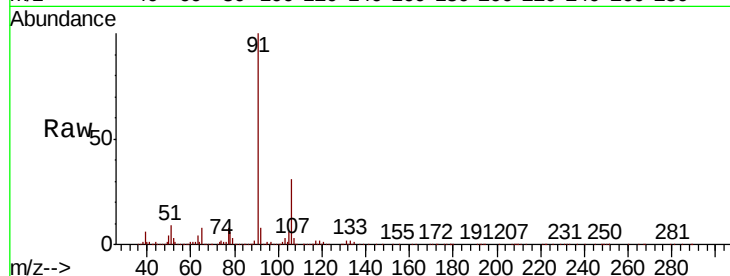




#67
Ethyl Benzene
Concen: 21.136 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

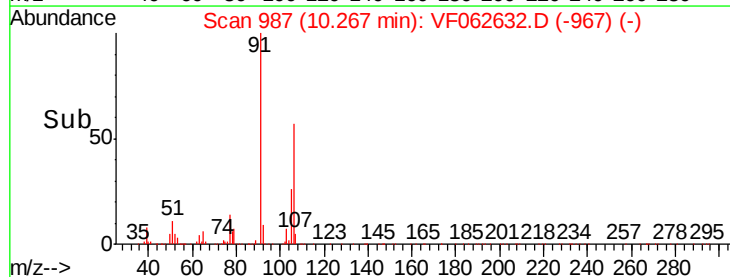
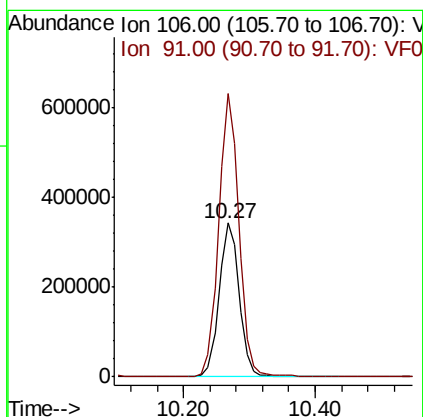
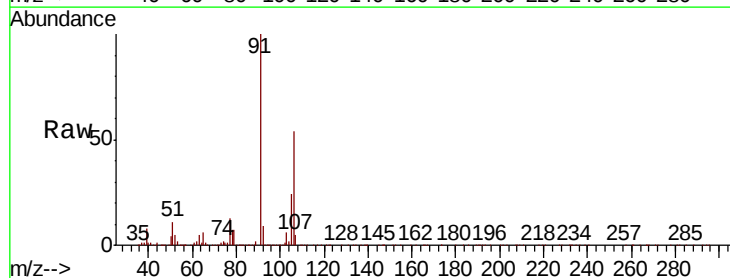
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

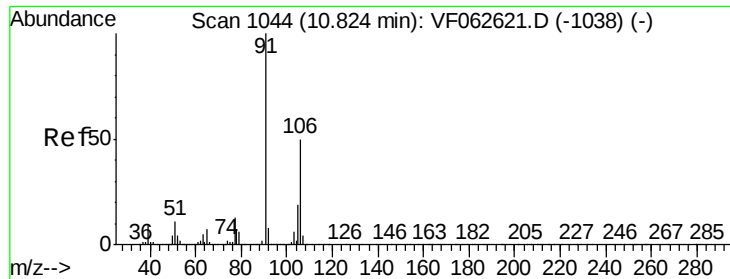
Tgt Ion: 91 Resp: 909400
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8



#68
m/p-Xylenes
Concen: 44.919 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 106 Resp: 726375
Ion Ratio Lower Upper
106 100
91 183.9 136.9 205.3

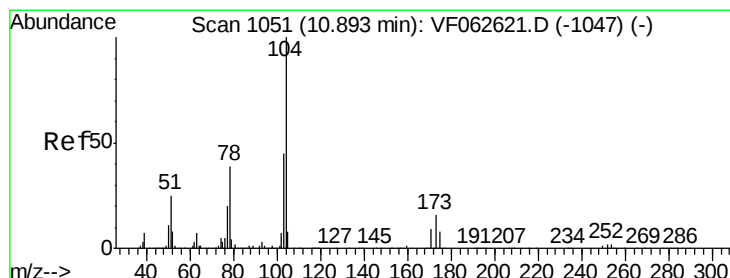
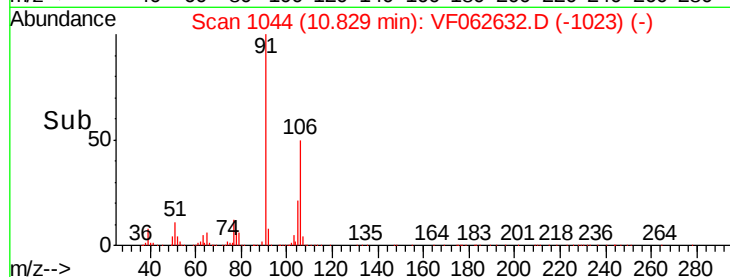
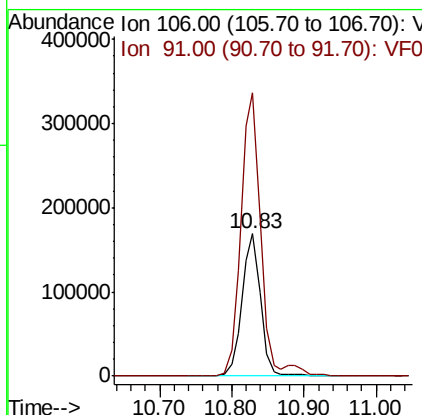
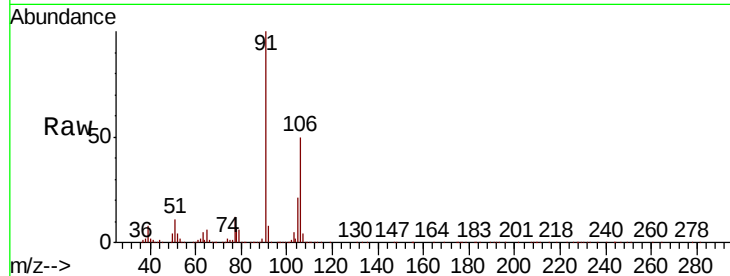




#69
o-Xylene
Concen: 18.349 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

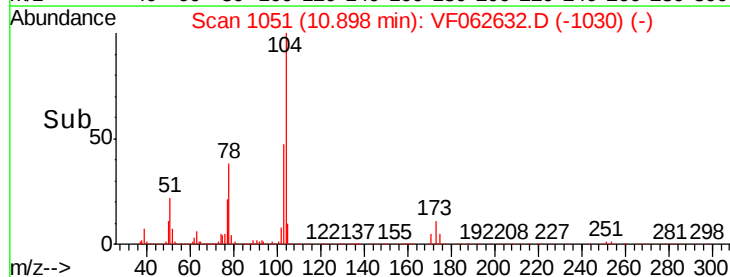
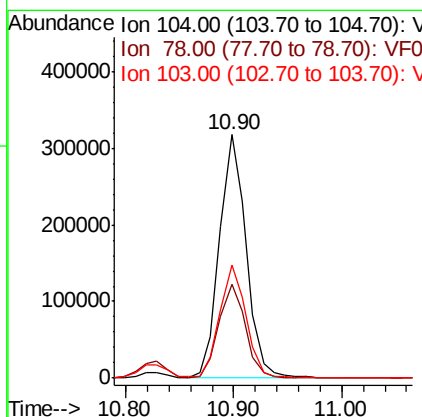
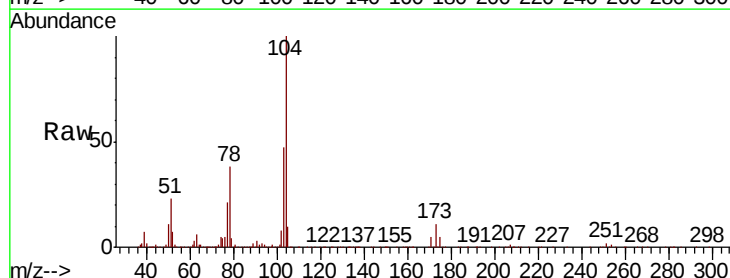
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

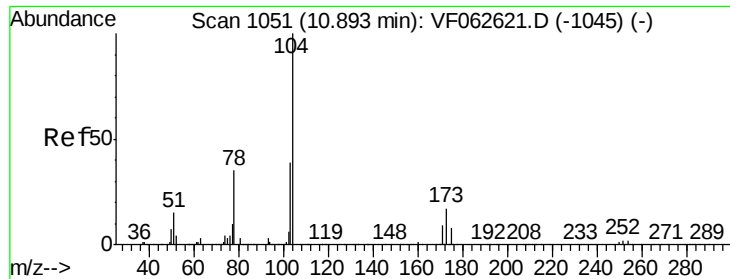
Tgt Ion:106 Resp: 305625
Ion Ratio Lower Upper
106 100
91 198.8 100.2 300.5



#70
Styrene
Concen: 21.567 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion:104 Resp: 545989
Ion Ratio Lower Upper
104 100
78 38.4 31.9 47.9
103 46.7 36.1 54.1

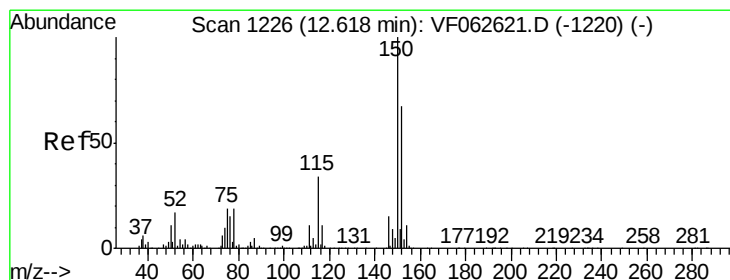
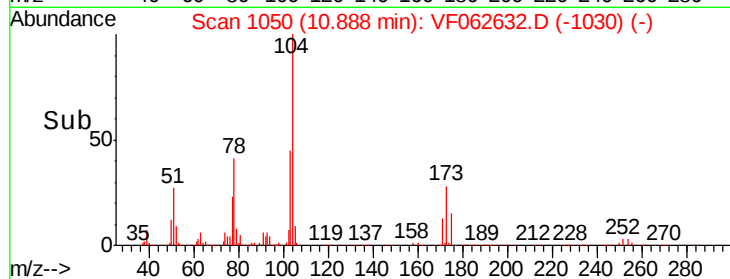
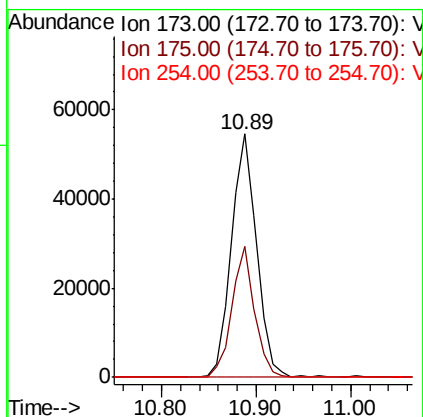
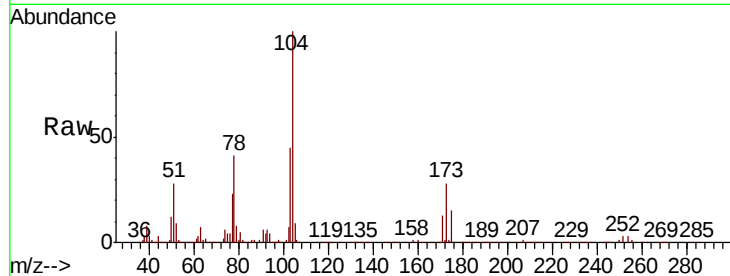




#71
Bromoform
Concen: 20.135 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

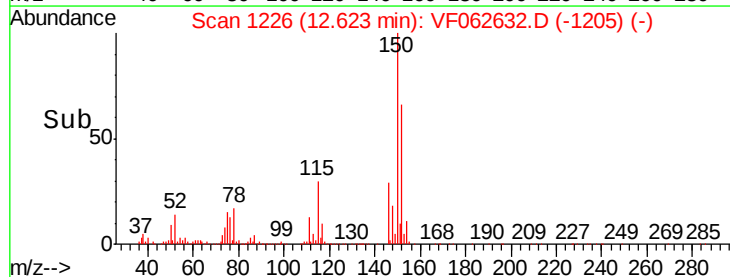
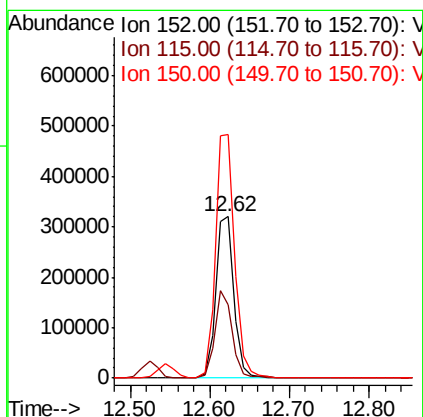
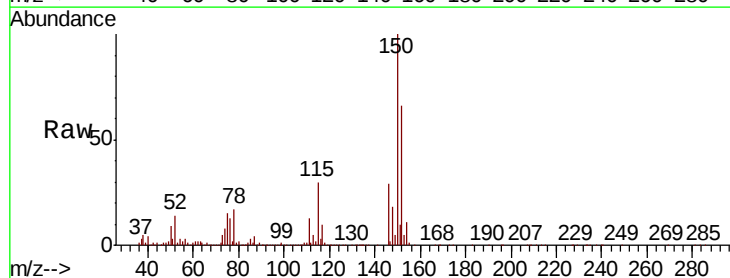
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

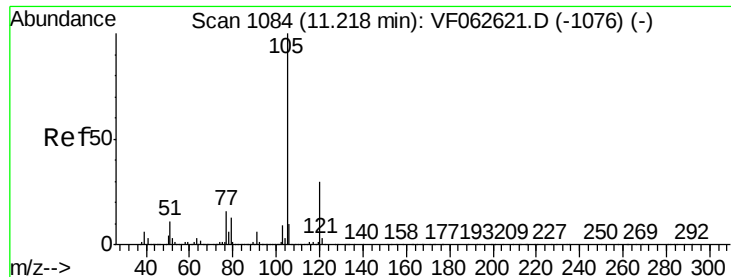
Tgt Ion	Ratio	Lower	Upper
173	100		
175	54.6	25.3	75.9
254	0.0	0.2	0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	45.5	25.2	75.6
150	150.8	0.0	306.2





#73

Isopropylbenzene

Concen: 21.741 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

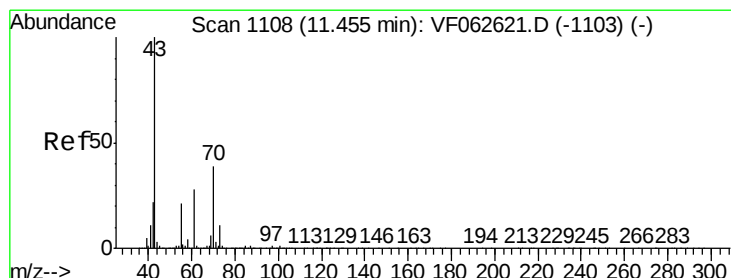
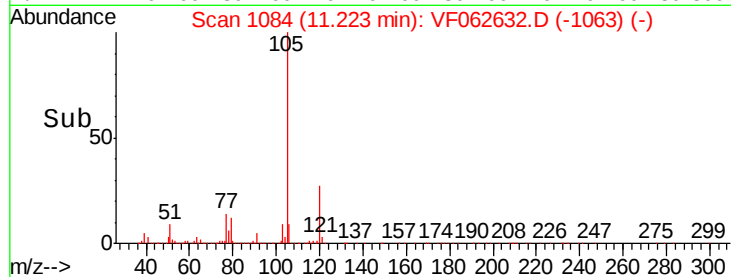
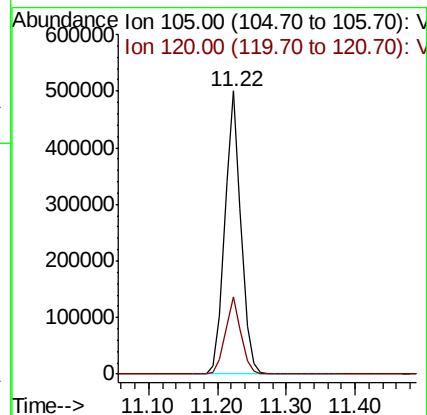
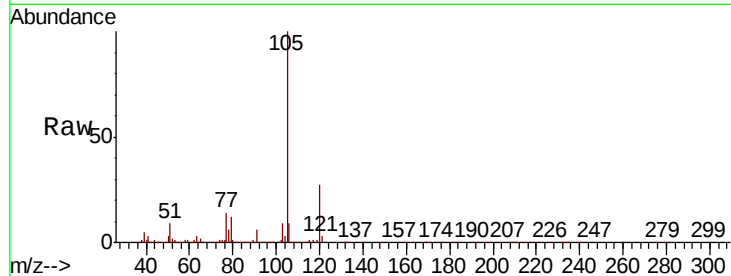
VF0517SBS01

Tgt Ion: 105 Resp: 807236

Ion Ratio Lower Upper

105 100

120 27.2 14.8 44.4



#74

N-ethyl acetate

Concen: 17.691 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion: 43 Resp: 200072

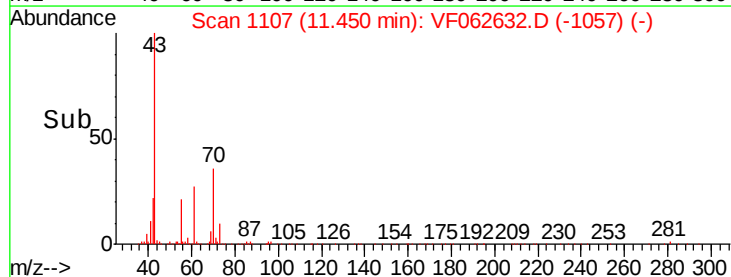
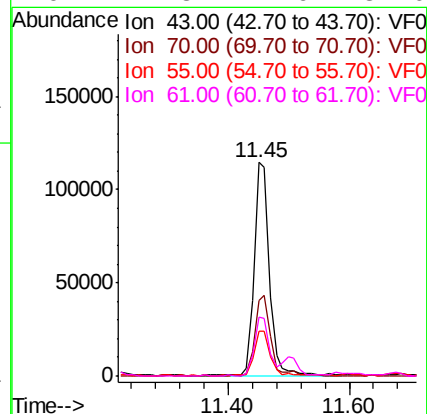
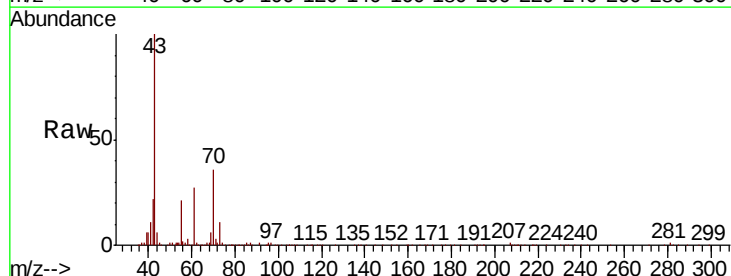
Ion Ratio Lower Upper

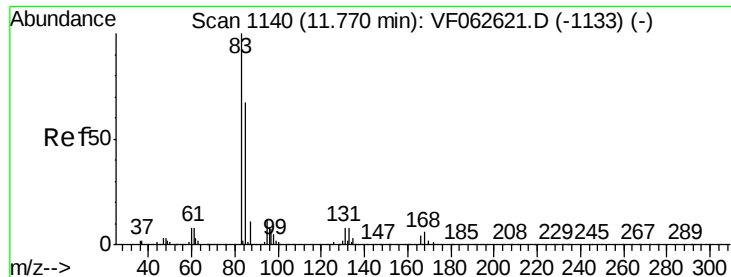
43 100

70 35.6 30.9 46.3

55 20.9 17.0 25.4

61 27.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.313 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

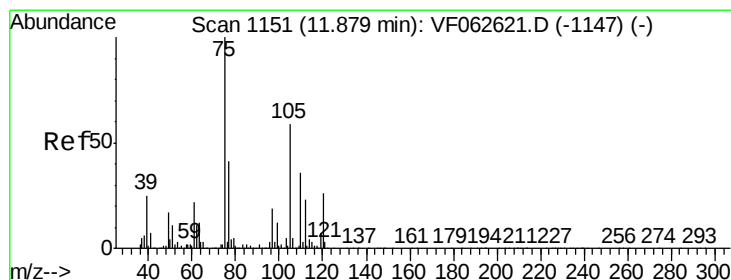
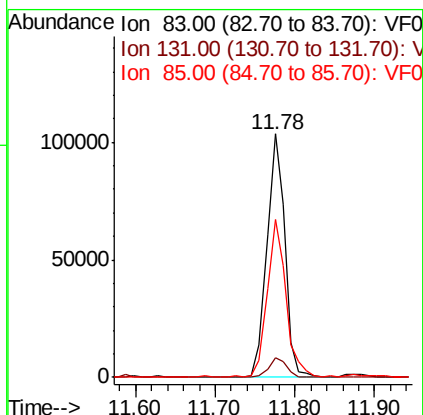
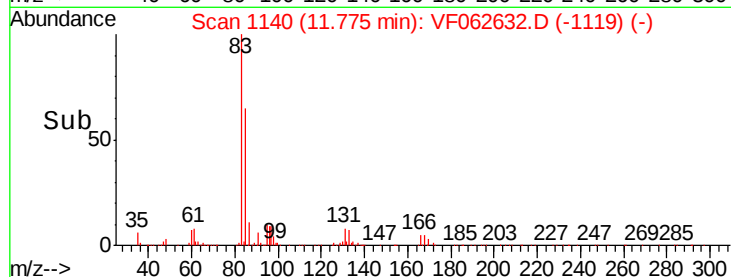
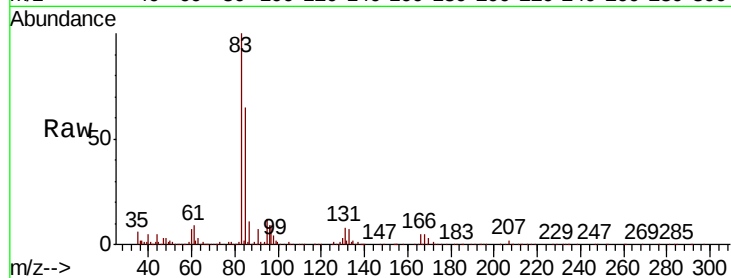
Tgt Ion: 83 Resp: 161724

Ion Ratio Lower Upper

83 100

131 8.1 4.0 12.0

85 65.0 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 20.805 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062632.D

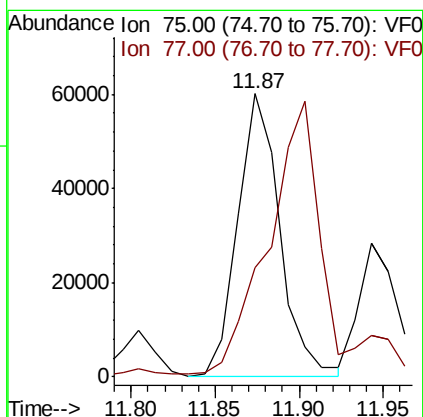
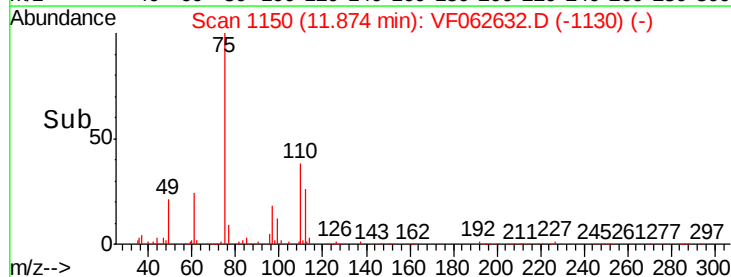
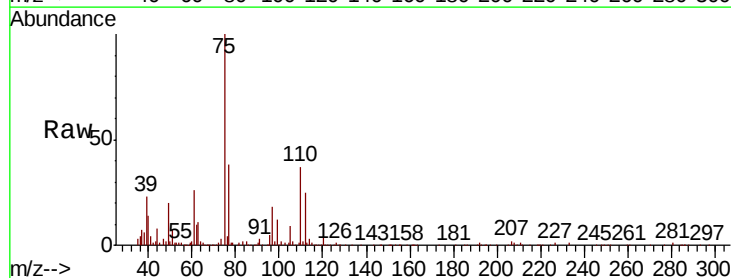
Acq: 17 May 2019 11:48

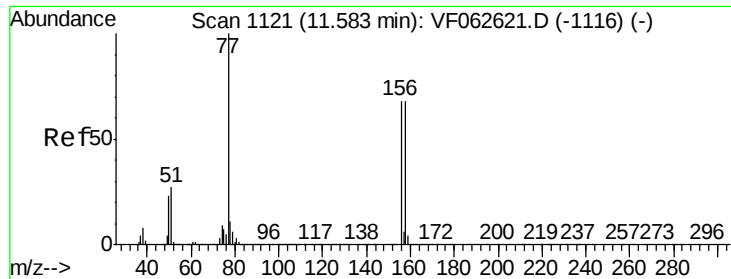
Tgt Ion: 75 Resp: 103728

Ion Ratio Lower Upper

75 100

77 38.5 20.6 61.8





#77

Bromobenzene

Concen: 22.188 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

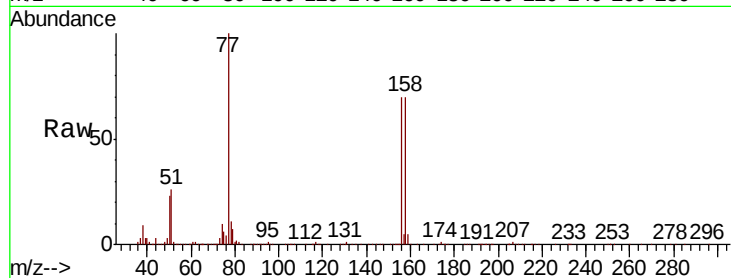
Tgt Ion: 156 Resp: 204783

Ion Ratio Lower Upper

156 100

77 142.2 73.6 220.8

158 99.3 49.6 148.8

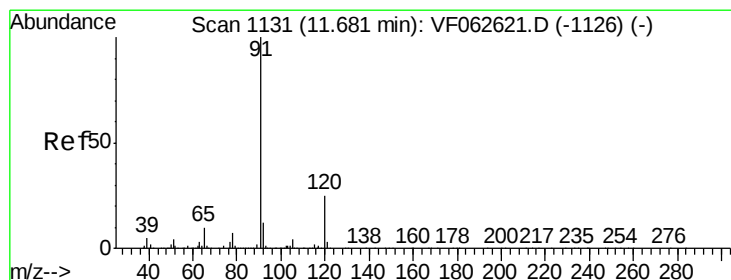
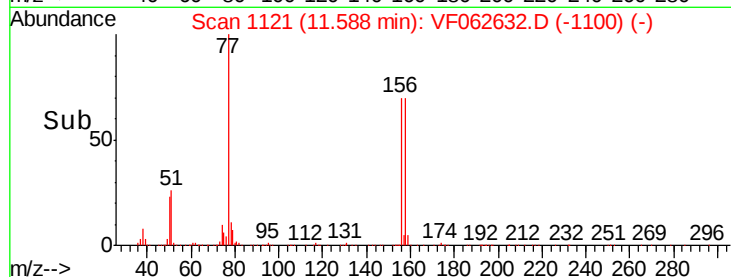
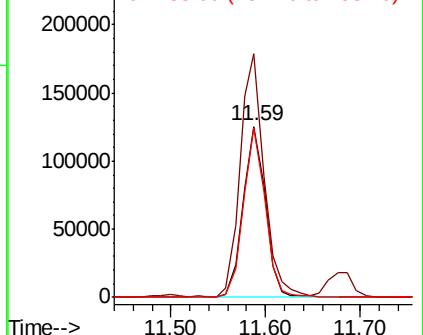


Abundance

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: 23.011 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062632.D

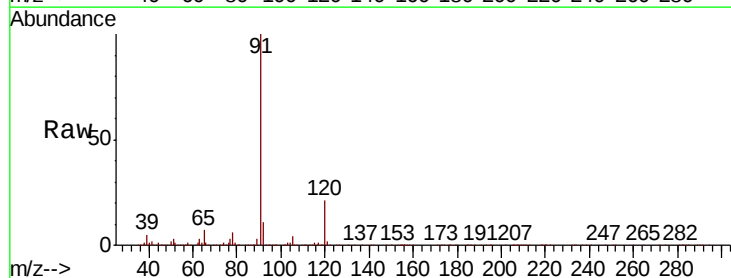
Acq: 17 May 2019 11:48

Tgt Ion: 91 Resp: 1011163

Ion Ratio Lower Upper

91 100

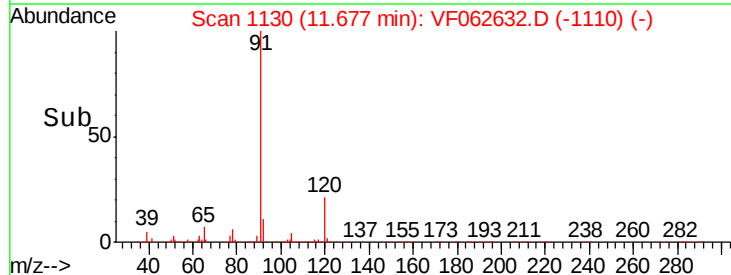
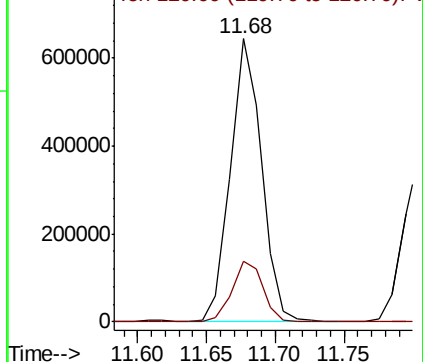
120 21.5 12.7 38.1

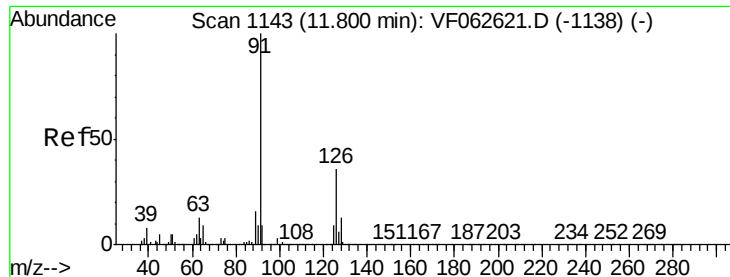


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.693 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

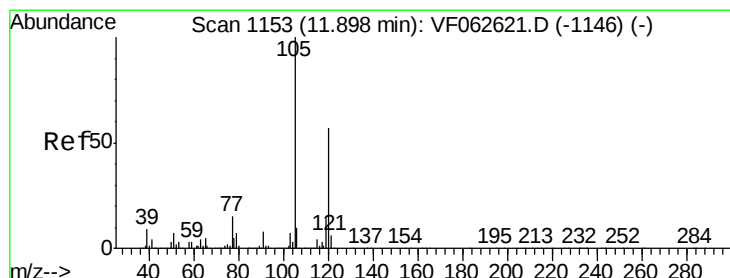
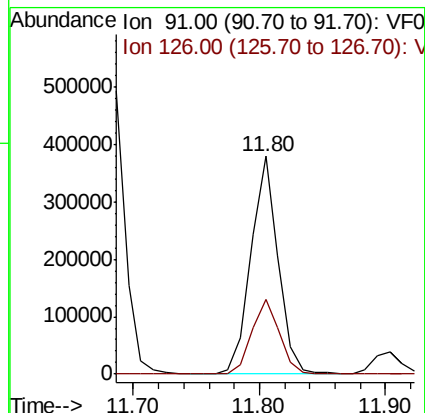
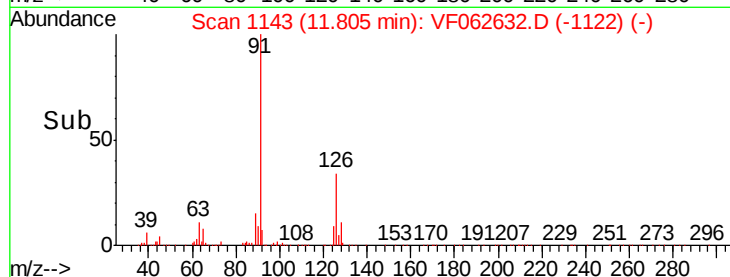
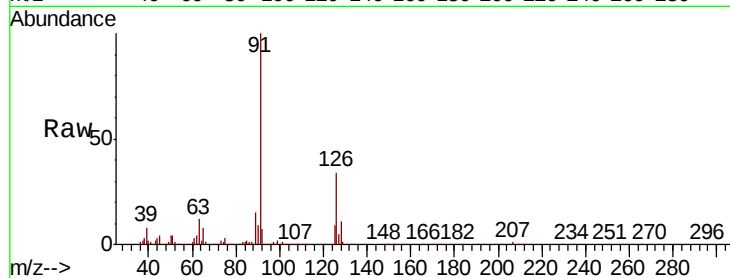
VF0517SBS01

Tgt Ion: 91 Resp: 561968

Ion Ratio Lower Upper

91 100

126 34.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062632.D

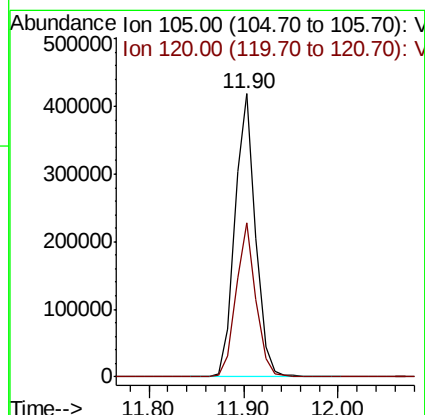
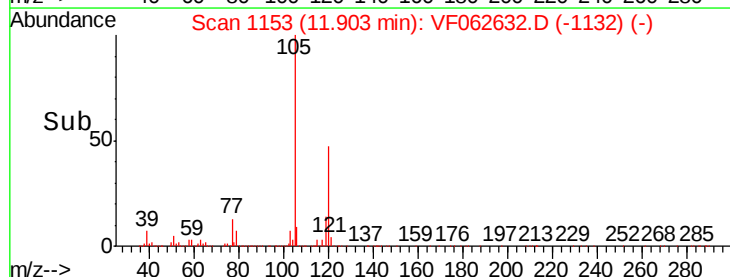
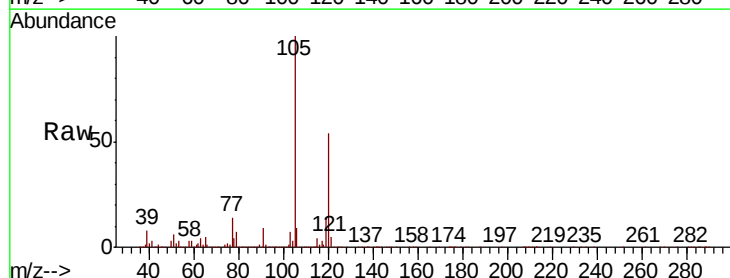
Acq: 17 May 2019 11:48

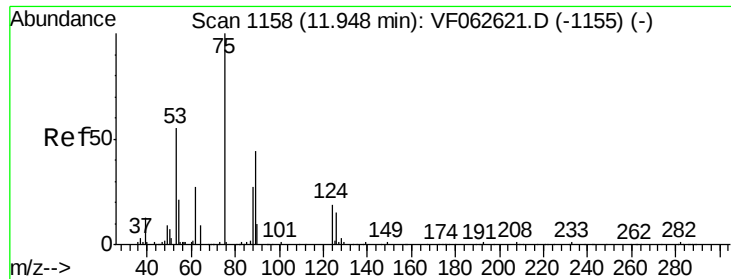
Tgt Ion: 105 Resp: 627775

Ion Ratio Lower Upper

105 100

120 54.2 28.7 86.3

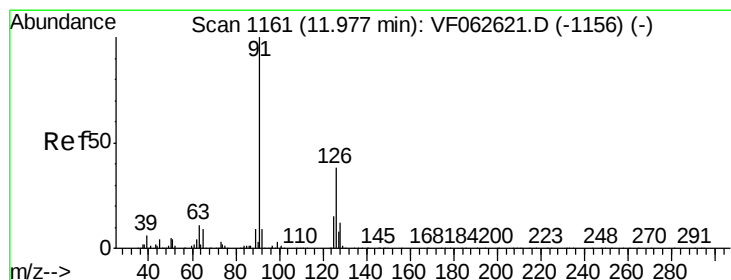
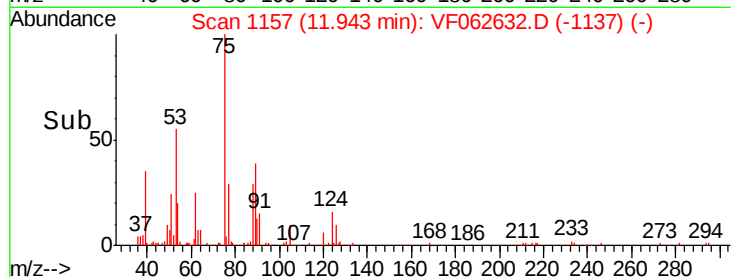
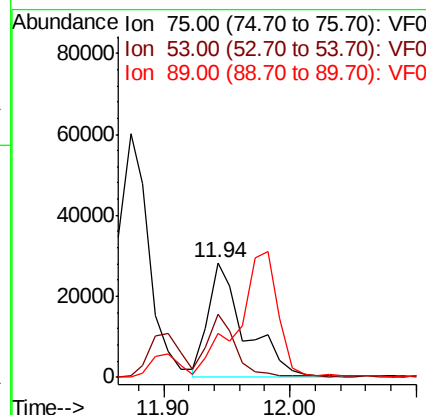
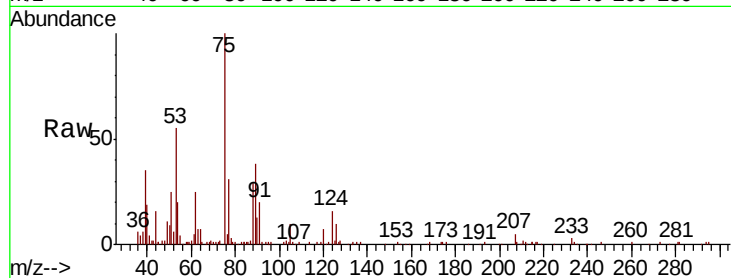




#81
trans-1,4-Dichloro-2-butene
Concen: 26.020 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

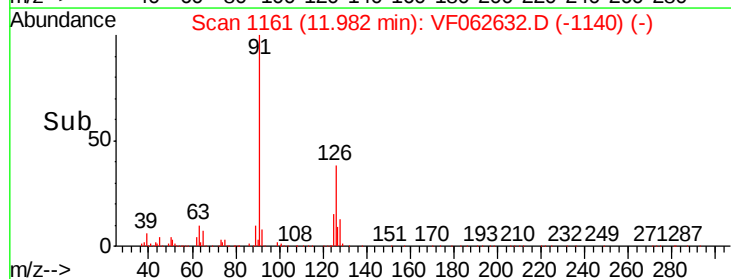
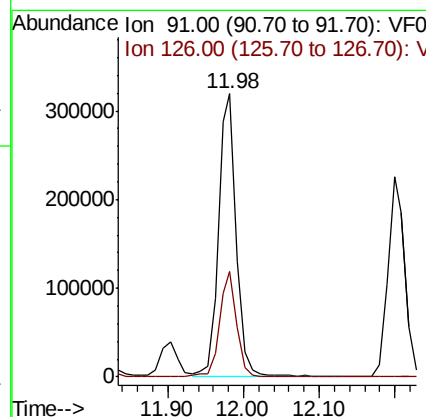
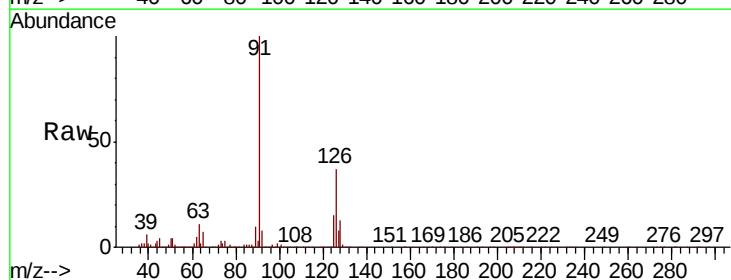
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

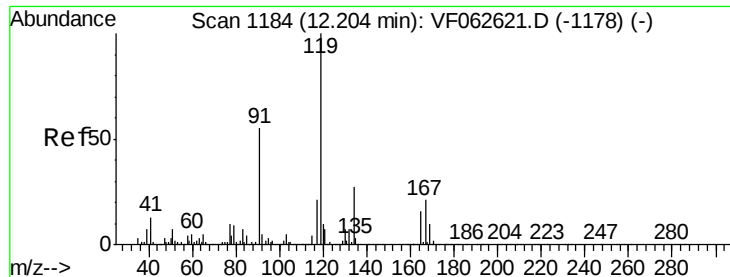
Tgt Ion: 75 Resp: 57667
Ion Ratio Lower Upper
75 100
53 55.4 46.9 70.3
89 38.5 36.4 54.6



#82
4-Chlorotoluene
Concen: 21.448 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 91 Resp: 523783
Ion Ratio Lower Upper
91 100
126 37.4 19.1 57.1





#83

tert-Butylbenzene

Concen: 21.990 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

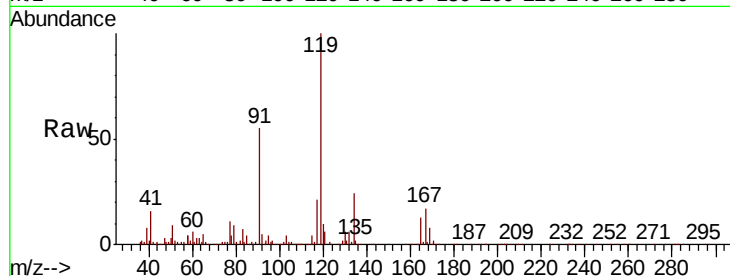
Tgt Ion:119 Resp: 664208

Ion Ratio Lower Upper

119 100

91 55.1 27.3 81.9

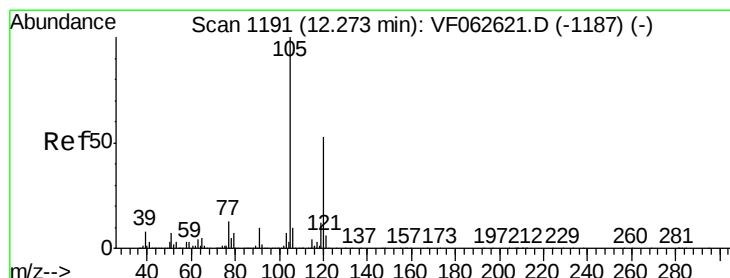
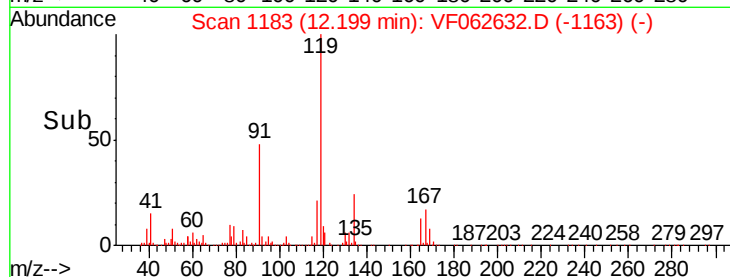
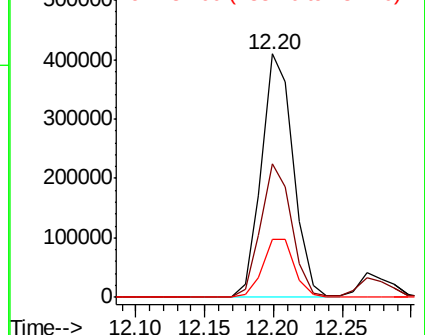
134 23.7 13.6 40.7



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: 18.074 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VF062632.D

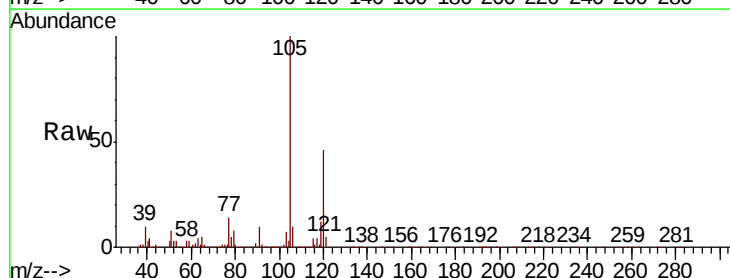
Acq: 17 May 2019 11:48

Tgt Ion:105 Resp: 520826

Ion Ratio Lower Upper

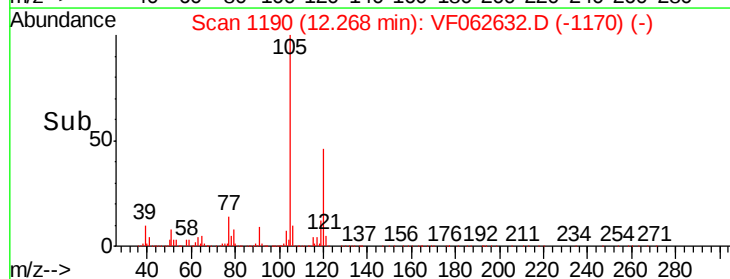
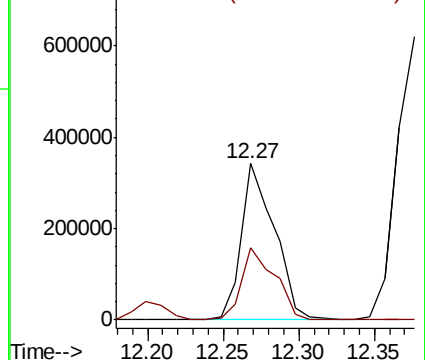
105 100

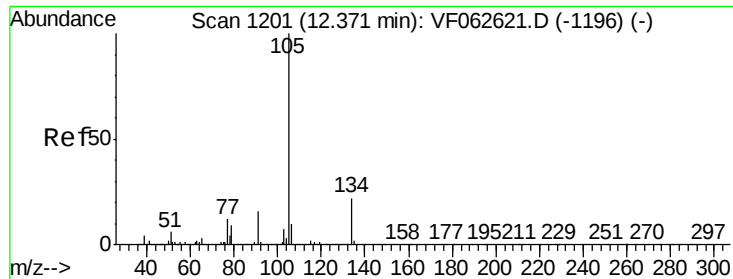
120 46.1 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

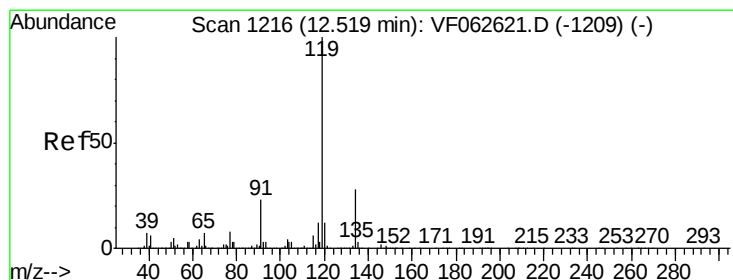
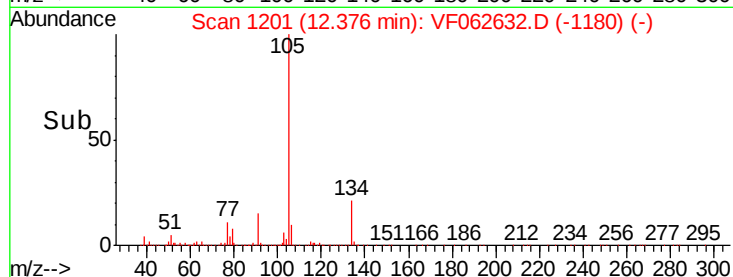
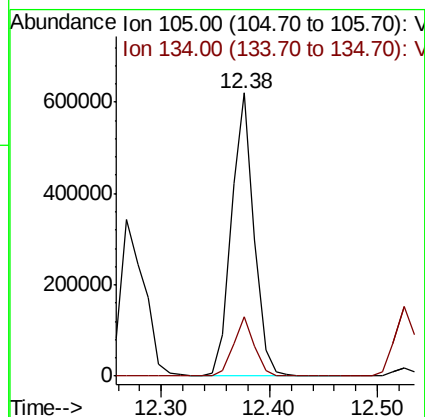
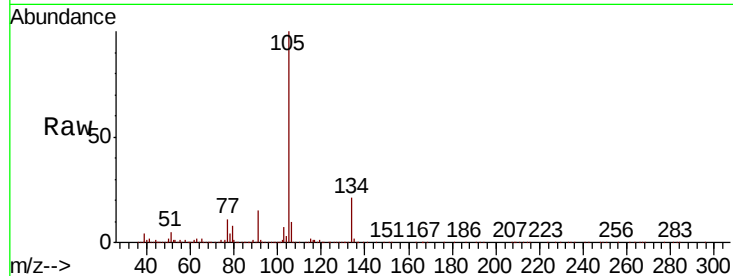




#85
 sec-Butylbenzene
 Concen: 21.959 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

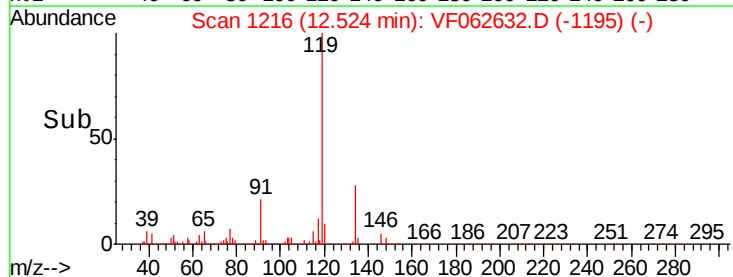
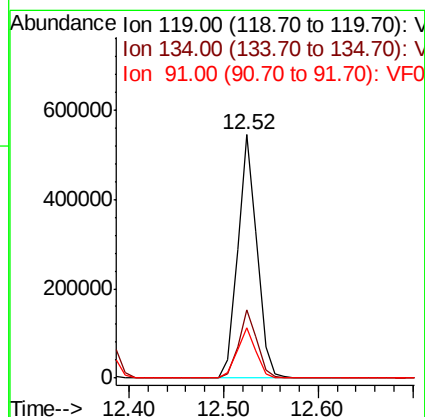
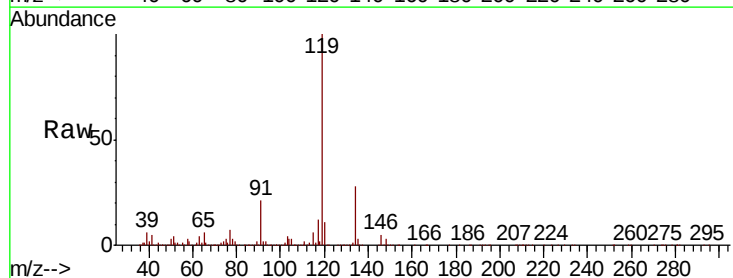
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

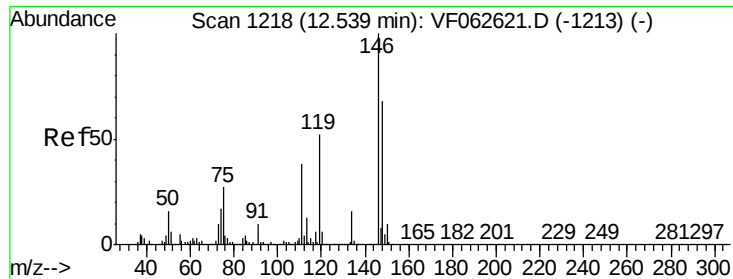
Tgt Ion:105 Resp: 890145
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 22.344 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion:119 Resp: 763321
 Ion Ratio Lower Upper
 119 100
 134 28.1 14.1 42.3
 91 20.9 11.4 34.2

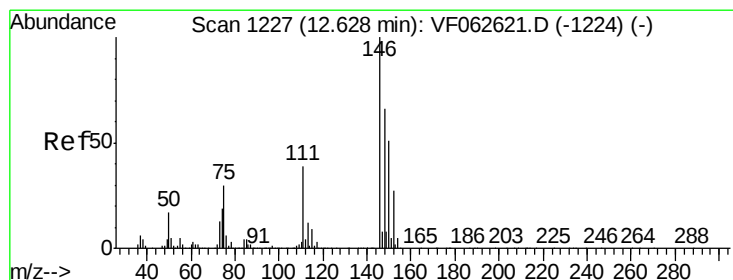
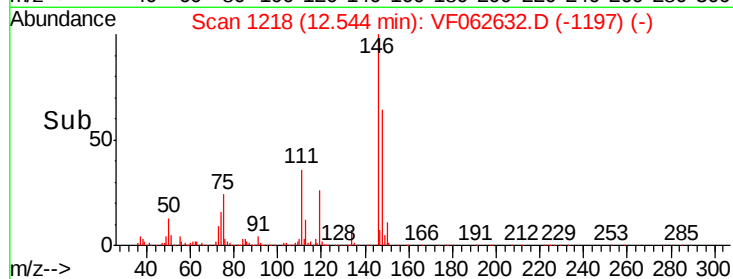
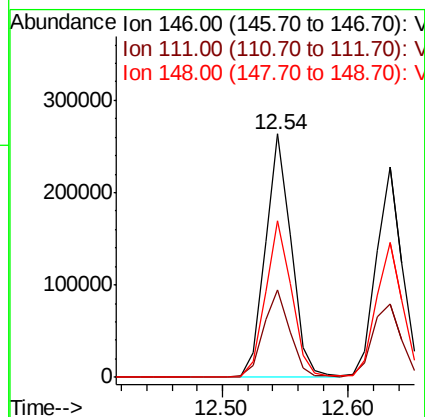
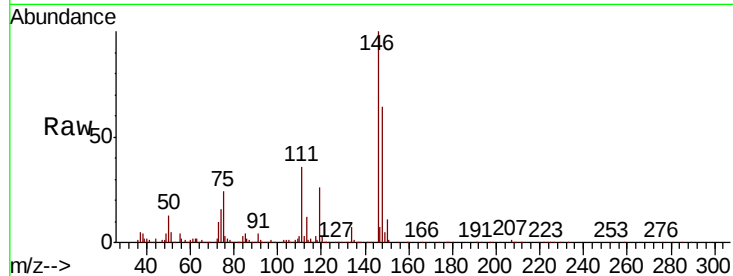




#87
 1,3-Dichlorobenzene
 Concen: 22.663 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

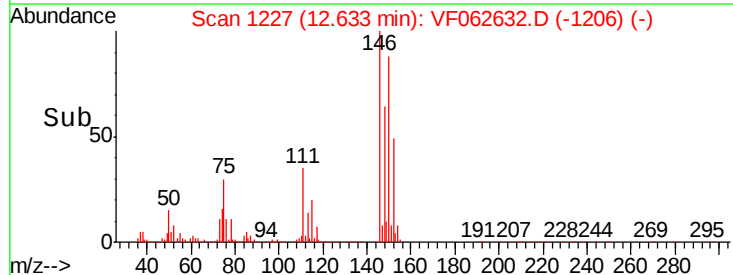
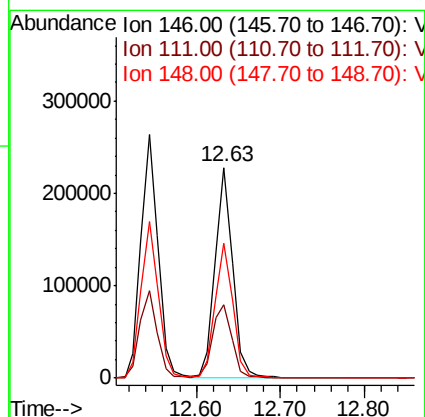
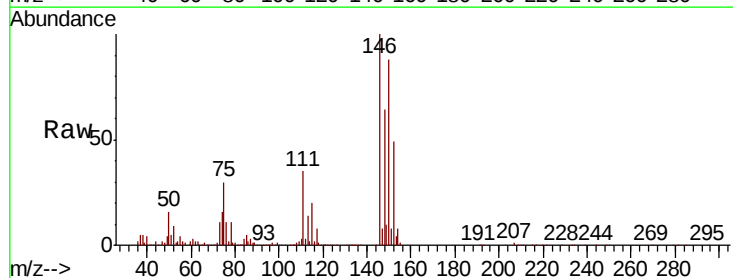
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

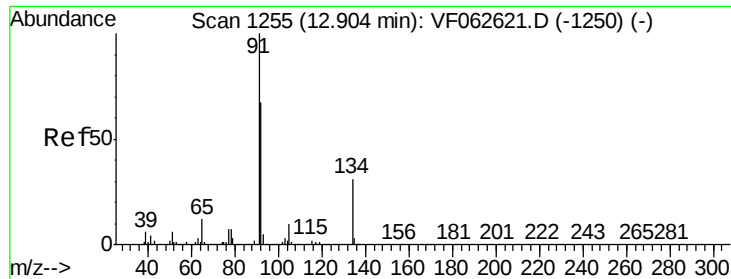
Tgt Ion:146 Resp: 378430
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.9 56.9
 148 64.4 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.358 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion:146 Resp: 334672
 Ion Ratio Lower Upper
 146 100
 111 34.9 19.4 58.2
 148 64.2 33.2 99.6

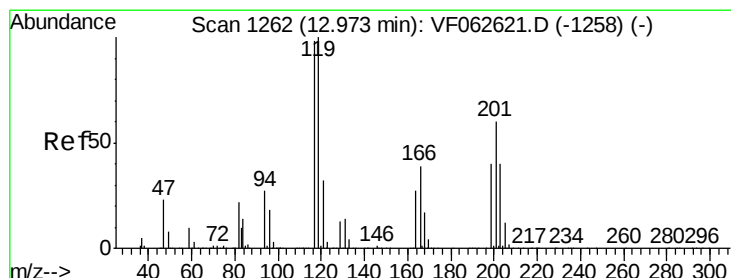
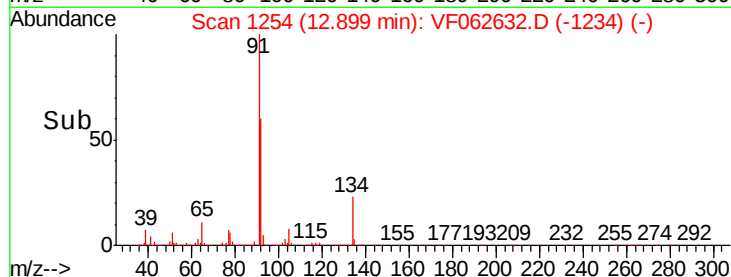
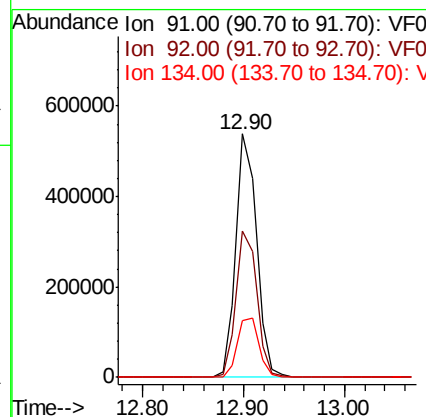
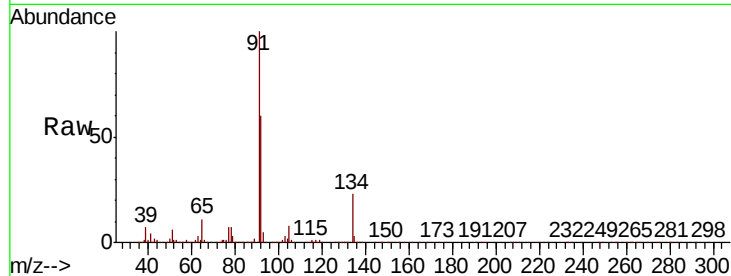




#89
n-Butylbenzene
Concen: 22.807 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

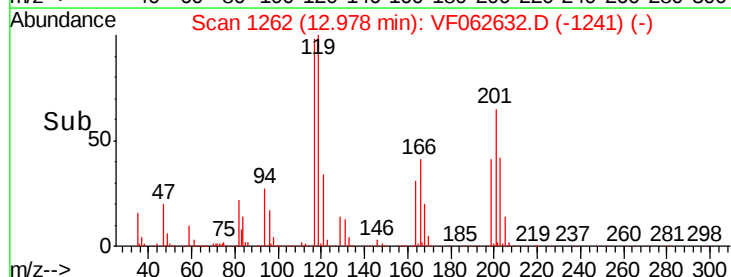
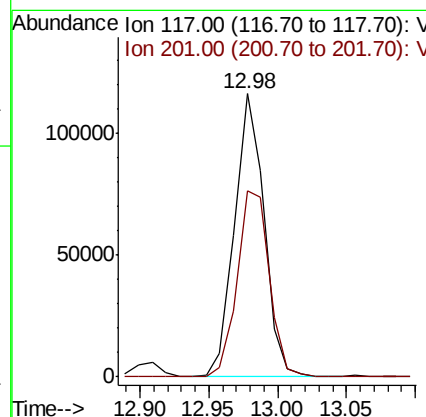
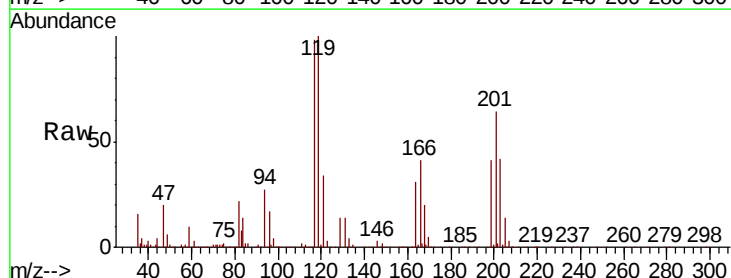
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

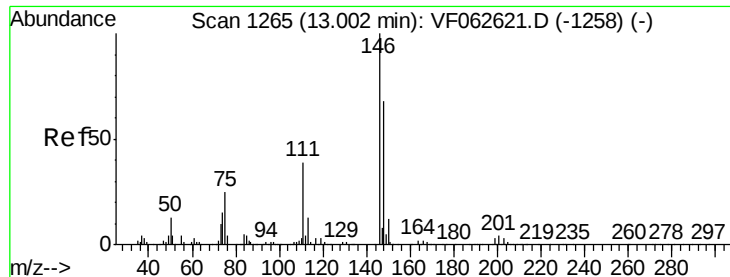
Tgt Ion: 91 Resp: 768204
Ion Ratio Lower Upper
91 100
92 59.9 33.3 99.8
134 23.3 15.4 46.4



#90
Hexachloroethane
Concen: 21.130 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 117 Resp: 173159
Ion Ratio Lower Upper
117 100
201 65.9 30.7 92.1

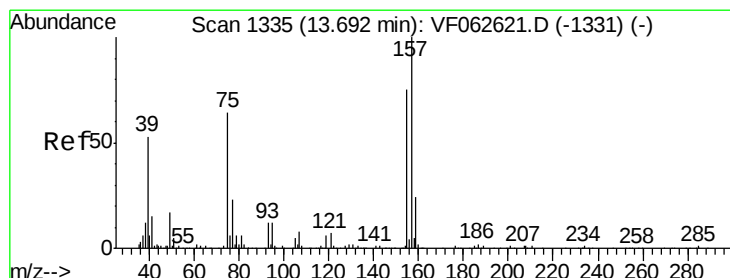
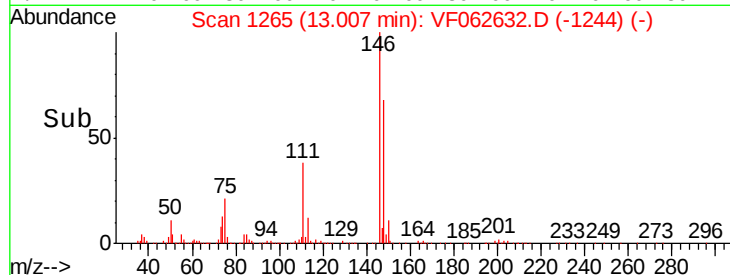
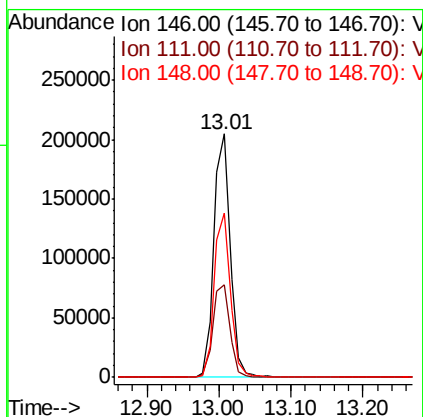
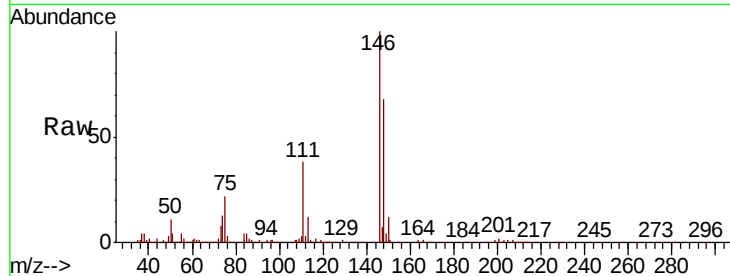




#91
 1,2-Dichlorobenzene
 Concen: 21.410 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

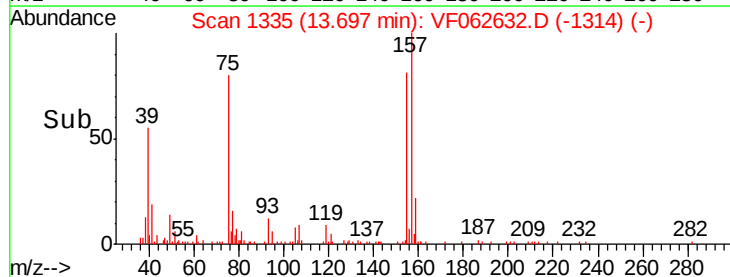
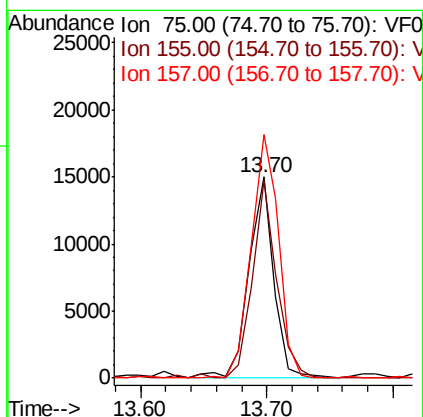
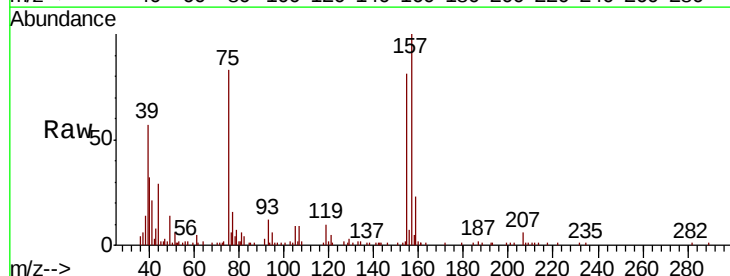
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

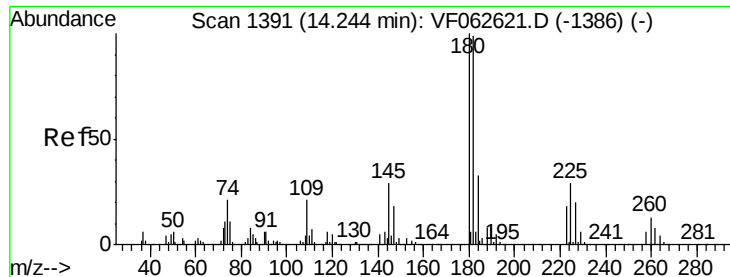
Tgt Ion: 146 Resp: 318668
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.8 59.3
 148 67.7 34.1 102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.718 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion: 75 Resp: 20565
 Ion Ratio Lower Upper
 75 100
 155 98.3 58.1 174.3
 157 121.1 77.8 233.4

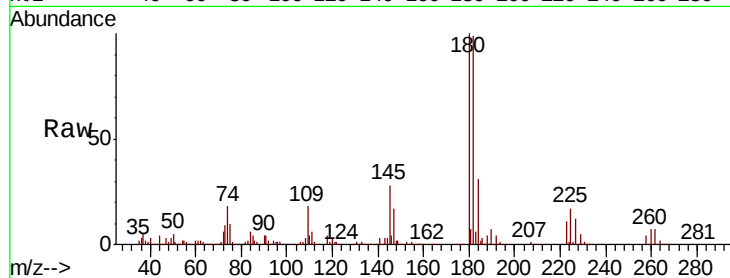




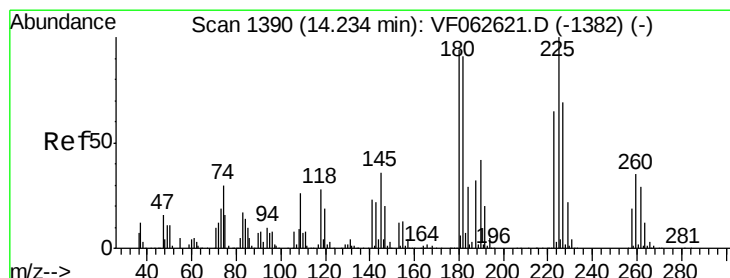
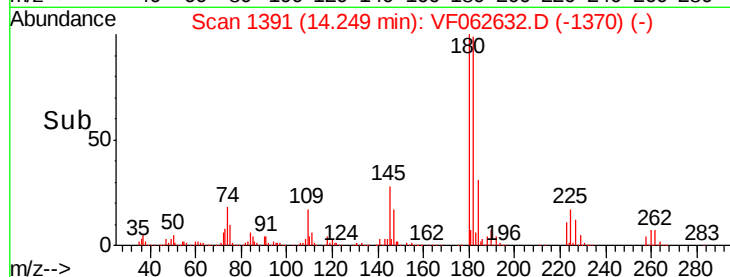
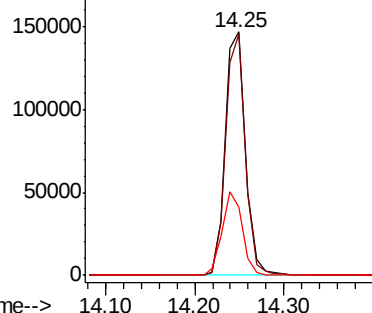
#93
1,2,4-Trichlorobenzene
Concen: 21.289 ug/l
RT: 14.25 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tgt Ion:180 Resp: 226814
Ion Ratio Lower Upper
180 100
182 99.3 49.7 149.1
145 27.9 14.6 44.0

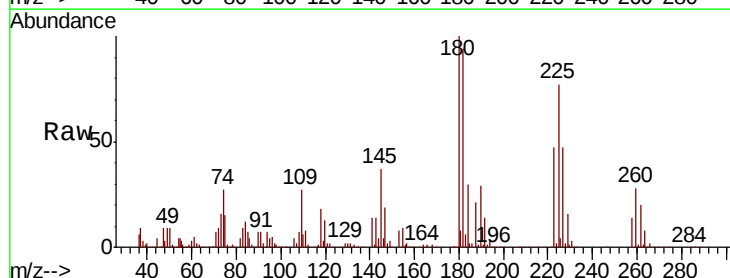


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

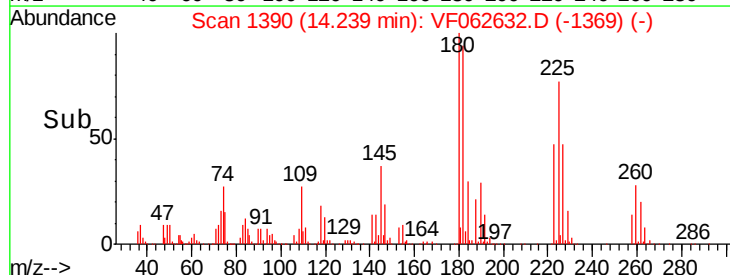
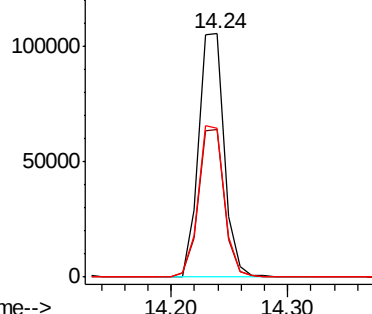


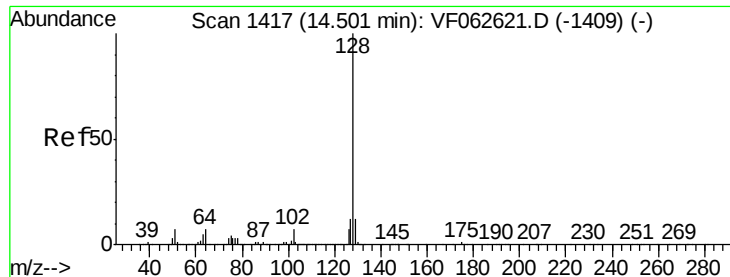
#94
Hexachlorobutadiene
Concen: 21.675 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion:225 Resp: 161160
Ion Ratio Lower Upper
225 100
223 60.5 32.5 97.4
227 61.4 34.5 103.5



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

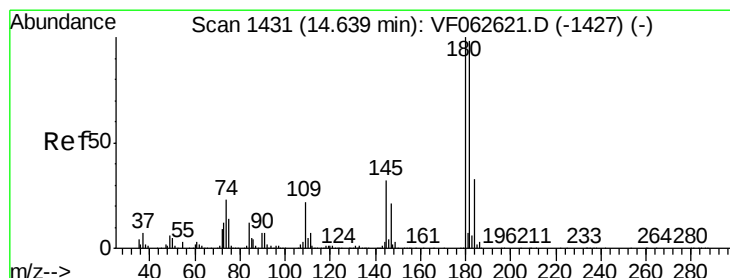
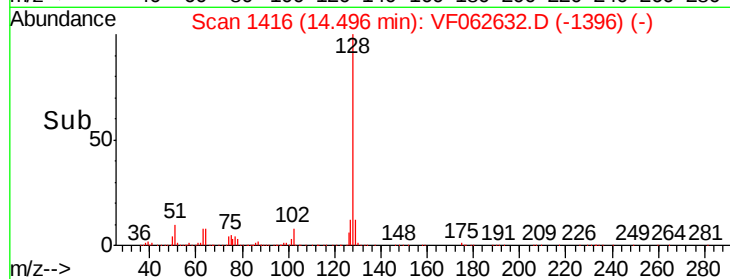
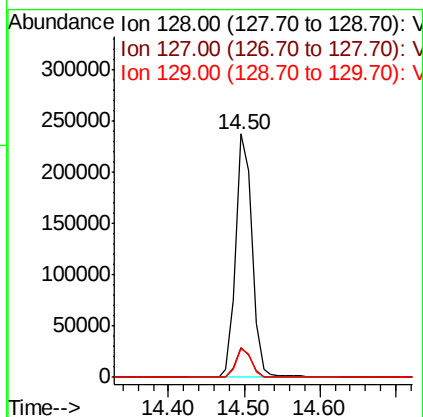
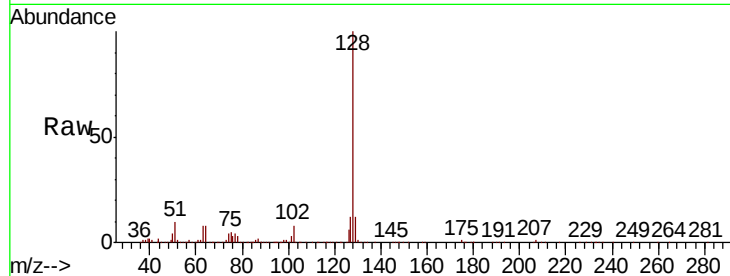




#95
Naphthalene
Concen: 18.179 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tgt Ion:	128	Resp:	351867
Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.7	14.5
129	11.5	9.3	13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.265 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion:	180	Resp:	204510
Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.9	146.7
145	28.2	16.1	48.2

