

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062621.D
 Acq On : 16 May 2019 12:01
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: May 17 05:02:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	773771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1241783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	960209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	500587	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	266631	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	4.32	113	470723	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	7.72	98	1123322	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	415965	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	531489	50.474	ug/l	100
3) Chloromethane	1.14	50	517584	53.383	ug/l	100
4) Vinyl Chloride	1.19	62	492853	55.223	ug/l	100
5) Bromomethane	1.40	94	262985	53.863	ug/l	100
6) Chloroethane	1.44	64	193884	59.151	ug/l	100
7) Trichlorofluoromethane	1.55	101	664329	58.843	ug/l	100
8) Diethyl Ether	1.72	74	116137	48.920	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	414657	54.342	ug/l	100
10) Methyl Iodide	1.98	142	813163	54.249	ug/l	100
11) Tert butyl alcohol	2.70	59	91396	253.180	ug/l	100
12) 1,1-Dichloroethene	1.87	96	377367	54.290	ug/l	100
13) Acrolein	2.11	56	105103	278.918	ug/l	100
14) Allyl chloride	2.20	41	425647	62.324	ug/l	100
15) Acrylonitrile	3.10	53	245406	240.997	ug/l	100
16) Acetone	2.36	43	395977	279.145	ug/l	100
17) Carbon Disulfide	1.92	76	1159780	58.557	ug/l	100
18) Methyl Acetate	2.46	43	110918	45.754	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	676067	54.408	ug/l	100
20) Methylene Chloride	2.34	84	245046	34.664	ug/l	100
21) trans-1,2-Dichloroethene	2.43	96	367407	54.078	ug/l	100
22) Diisopropyl ether	2.95	45	797136	51.375	ug/l	100
23) Vinyl Acetate	3.35	43	2773407	264.973	ug/l	100
24) 1,1-Dichloroethane	3.02	63	609523	53.549	ug/l	100
25) 2-Butanone	4.53	43	831197	274.260	ug/l	100
26) 2,2-Dichloropropane	3.79	77	351152	53.918	ug/l	100
27) cis-1,2-Dichloroethene	3.66	96	589719	52.769	ug/l	100
28) Bromochloromethane	3.91	49	294646	46.155	ug/l	100
29) Tetrahydrofuran	4.28	42	305727	249.285	ug/l	100
30) Chloroform	4.06	83	853895	54.031	ug/l	100
31) Cyclohexane	3.88	56	827391	58.387	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	578337	55.103	ug/l	100
36) 1,1-Dichloropropene	4.49	75	701308	55.115	ug/l	100
37) Ethyl Acetate	4.31	43	257580	49.578	ug/l	100
38) Carbon Tetrachloride	4.20	117	676745	75.488	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	865666	56.540	ug/l	100
40) Benzene	4.83	78	1846726	53.274	ug/l	100
41) Methacrylonitrile	4.94	41	145661	53.477	ug/l	100
42) 1,2-Dichloroethane	5.14	62	386542	55.917	ug/l	100
43) Isopropyl Acetate	7.12	43	336299	49.964	ug/l	100
44) Trichloroethene	5.69	130	530344	54.435	ug/l	100
45) 1,2-Dichloropropane	6.42	63	483881	55.297	ug/l	100
46) Dibromomethane	6.27	93	270812	53.549	ug/l	100
47) Bromodichloromethane	6.57	83	575387	54.805	ug/l	100
48) Methyl methacrylate	6.89	41	189576	53.886	ug/l	100
49) 1,4-Dioxane	6.88	88	48461	1075.488	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	1126475	244.844	ug/l	100
52) Toluene	7.79	92	962225	52.928	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	469239	54.630	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	648774	53.959	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	277160	51.490	ug/l	100
56) Ethyl methacrylate	8.76	69	311055	48.504	ug/l	100
57) 1,3-Dichloropropane	9.00	76	481848	52.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	549220	263.110	ug/l	100
59) 2-Hexanone	9.63	43	819490	243.618	ug/l	100
60) Dibromochloromethane	8.87	129	380724	54.269	ug/l	100
61) 1,2-Dibromoethane	9.14	107	297918	52.108	ug/l	100
64) Tetrachloroethene	8.31	164	396430	52.114	ug/l	100
65) Chlorobenzene	9.94	112	1018219	53.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	412711	54.512	ug/l	100
67) Ethyl Benzene	10.04	91	1721114	52.532	ug/l	100
68) m/p-Xylenes	10.27	106	1341100	108.911	ug/l	100
69) o-Xylene	10.82	106	671970	52.981	ug/l	100
70) Styrene	10.89	104	1018096	52.812	ug/l	100
71) Bromoform	10.89	173	192987	50.895	ug/l #	100
73) Isopropylbenzene	11.22	105	1775600	49.490	ug/l	100
74) N-amyl acetate	11.45	43	466228	42.122	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	365190	49.807	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	243882	50.622	ug/l	100
77) Bromobenzene	11.58	156	465097	52.152	ug/l	100
78) n-propylbenzene	11.68	91	2159711	50.864	ug/l	100
79) 2-Chlorotoluene	11.80	91	1194431	49.915	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1455355	50.589	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	135672	50.687	ug/l	100
82) 4-Chlorotoluene	11.98	91	1215752	51.521	ug/l	100
83) tert-Butylbenzene	12.20	119	1509254	51.710	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	1405638	50.482	ug/l	100
85) sec-Butylbenzene	12.37	105	1976790	50.467	ug/l	100
86) p-Isopropyltoluene	12.52	119	1663168	50.383	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	820120	50.830	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	764785	50.510	ug/l	100
89) n-Butylbenzene	12.90	91	1632267	50.151	ug/l	100
90) Hexachloroethane	12.97	117	425097	53.682	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	729472	50.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	43699	49.959	ug/l	100

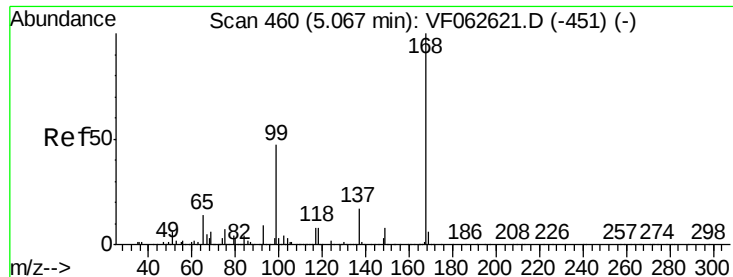
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	510148	49.554	ug/l	100
94) Hexachlorobutadiene	14.23	225	362766	50.493	ug/l	100
95) Naphthalene	14.50	128	889305	47.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	494832	50.745	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

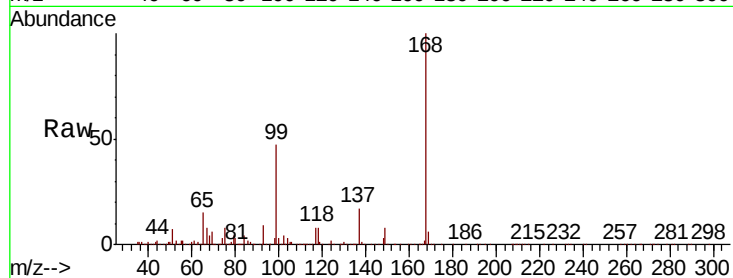
VSTDICCC050

Tot Ion:168 Resp: 773771

Ion Ratio Lower Upper

168 100

99 47.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

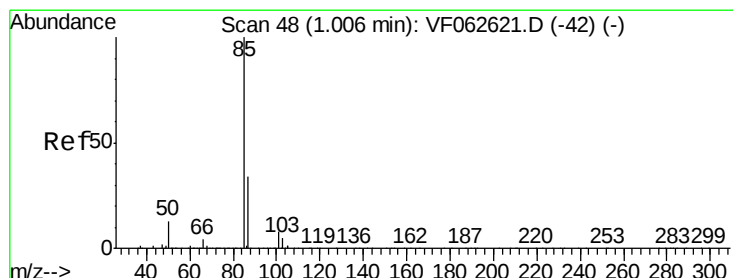
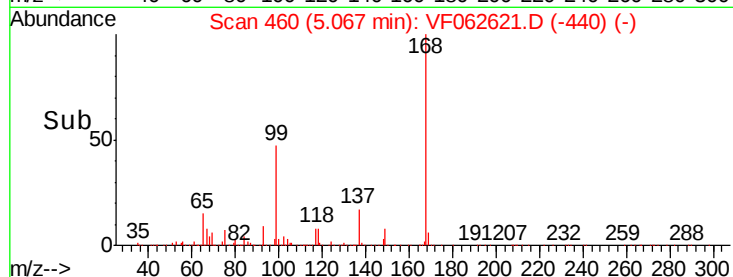
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.474 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062621.D

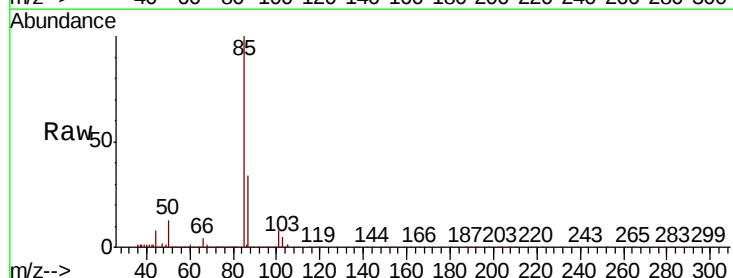
Acq: 16 May 2019 12:01

Tgt Ion: 85 Resp: 531489

Ion Ratio Lower Upper

85 100

87 33.5 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

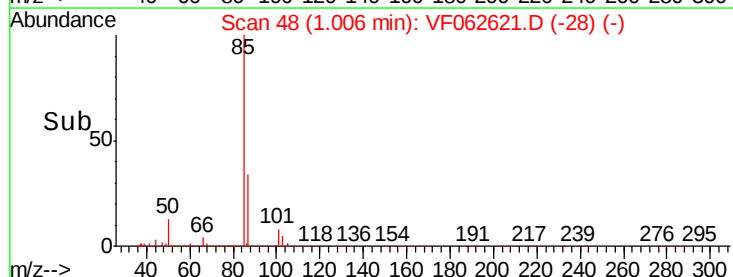
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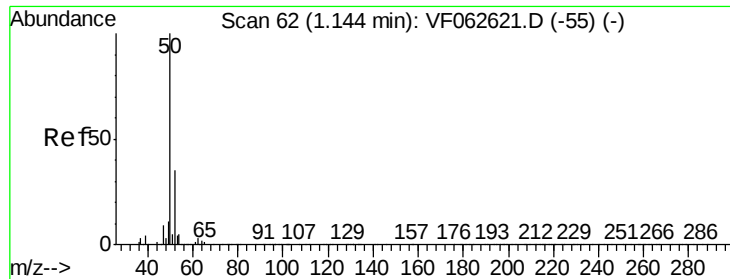
100000

50000

0

Time-->





#3

Chloromethane

Concen: 53.383 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

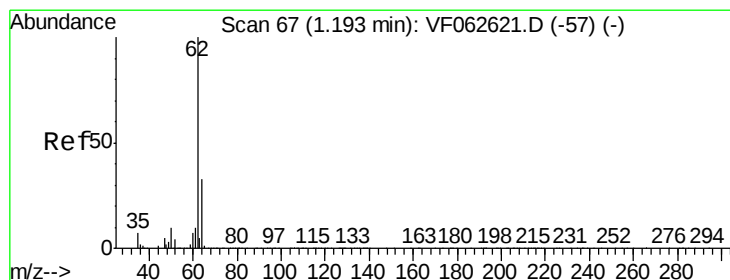
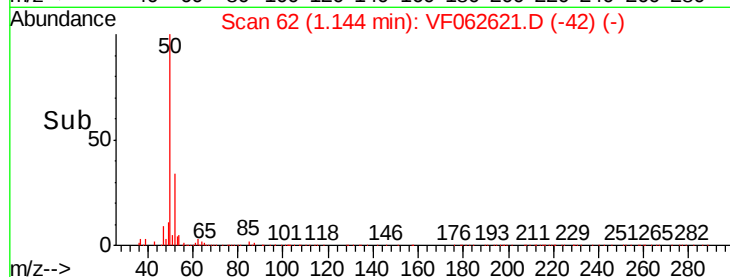
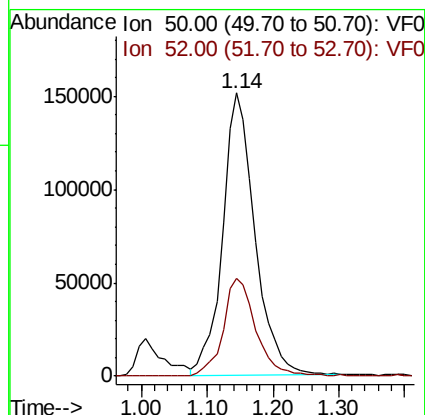
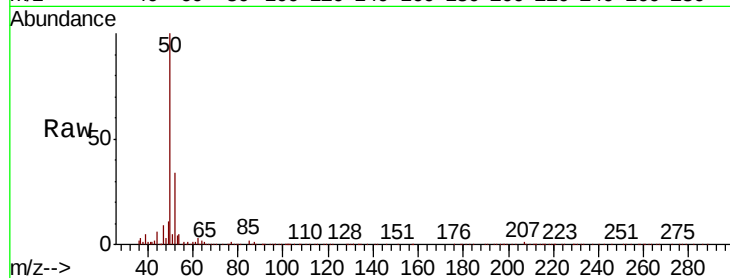
VSTDICCC050

Tot Ion: 50 Resp: 517584

Ion Ratio Lower Upper

50 100

52 34.4 27.5 41.3



#4

Vinyl Chloride

Concen: 55.223 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062621.D

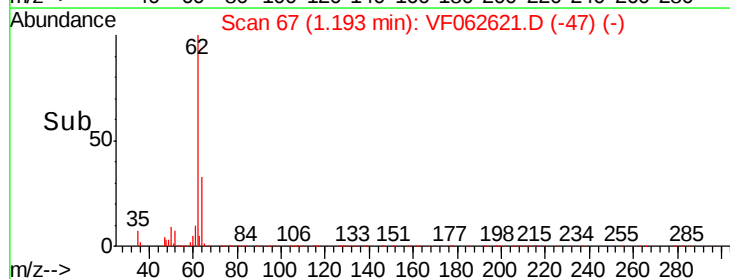
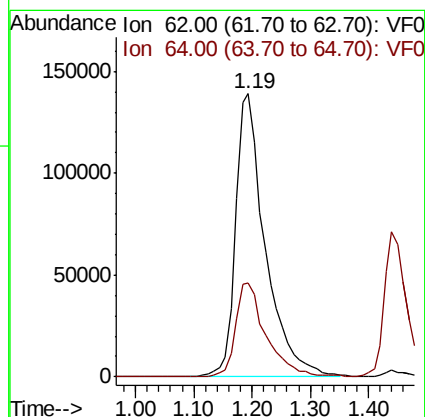
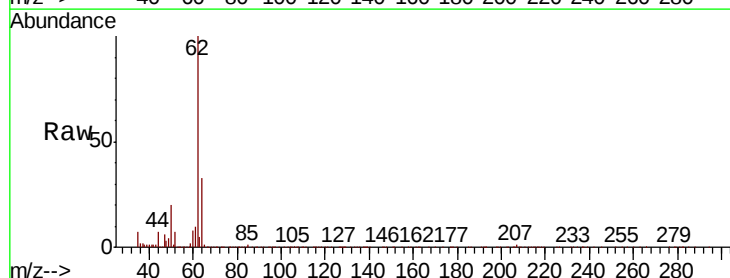
Acq: 16 May 2019 12:01

Tgt Ion: 62 Resp: 492853

Ion Ratio Lower Upper

62 100

64 33.4 26.7 40.1





#5

Bromomethane

Concen: 53.863 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

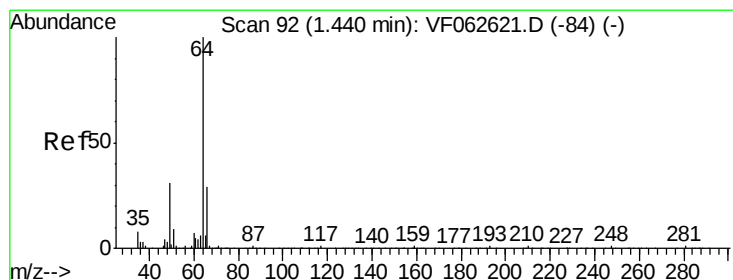
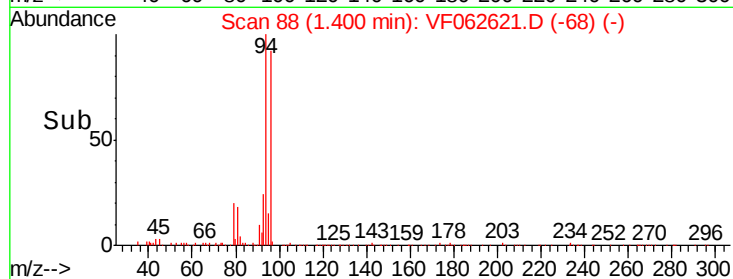
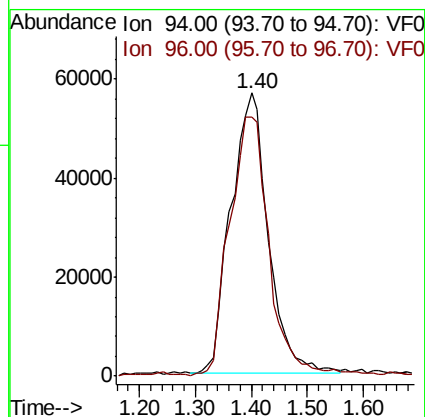
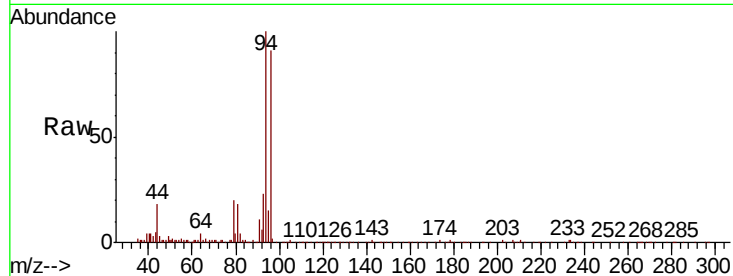
VSTDICCC050

Tot Ion: 94 Resp: 262985

Ion Ratio Lower Upper

94 100

96 91.5 73.2 109.8



#6

Chloroethane

Concen: 59.151 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062621.D

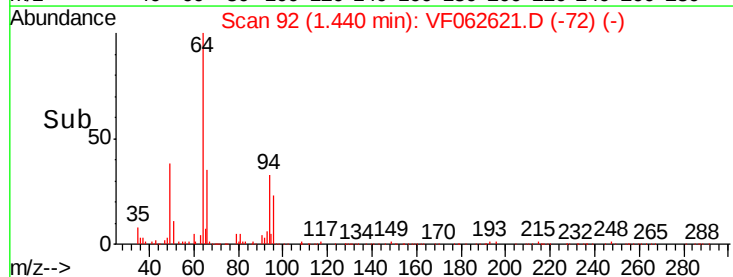
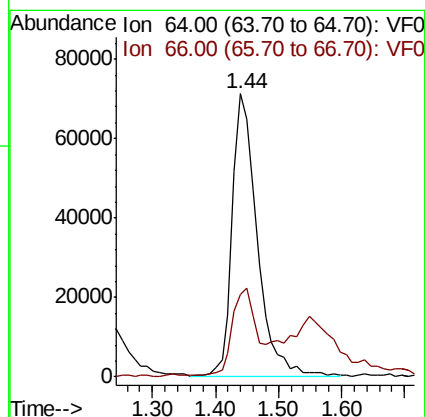
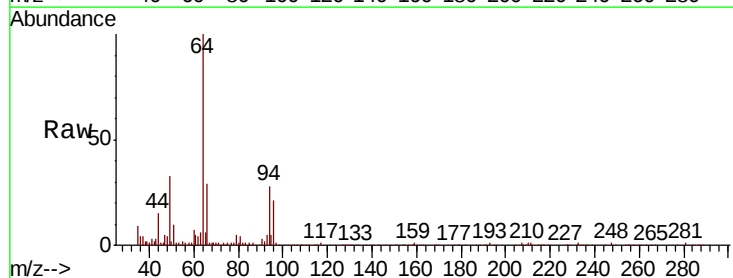
Acq: 16 May 2019 12:01

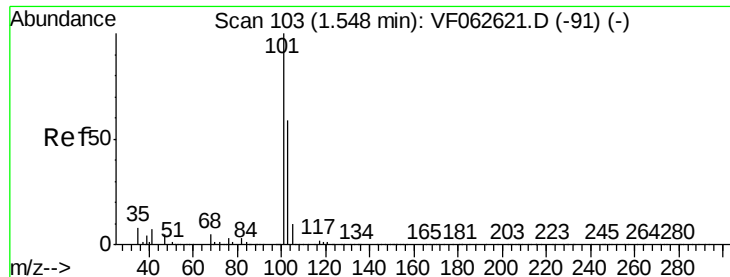
Tgt Ion: 64 Resp: 193884

Ion Ratio Lower Upper

64 100

66 29.3 23.4 35.2



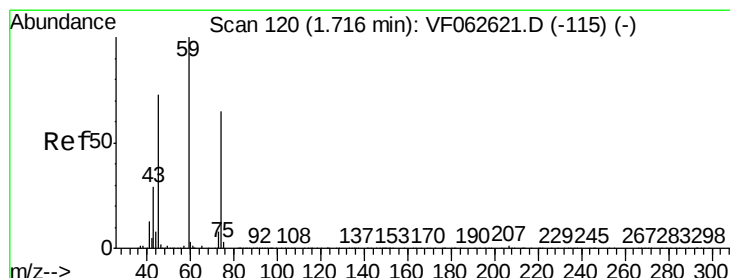
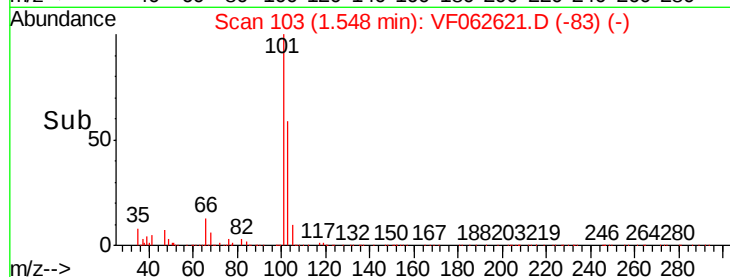
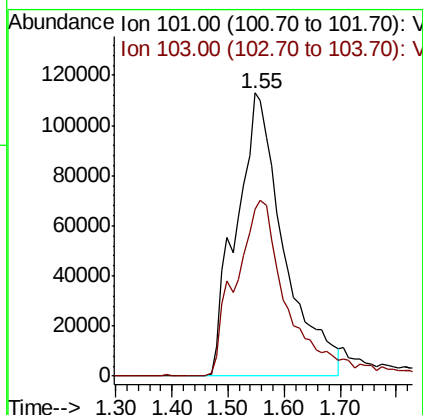
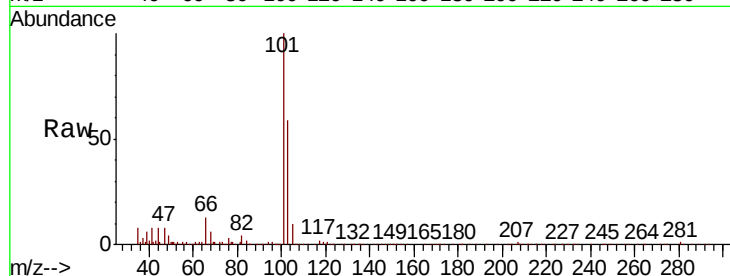


#7

Trichlorofluoromethane
 Concen: 58.843 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Instrument :
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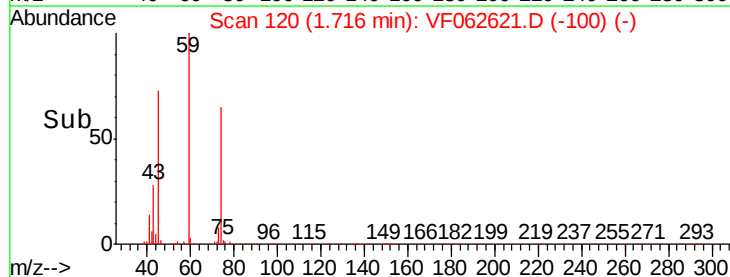
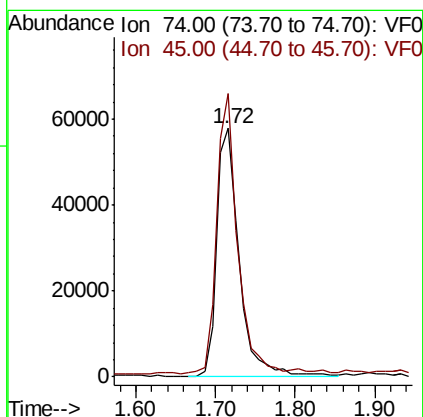
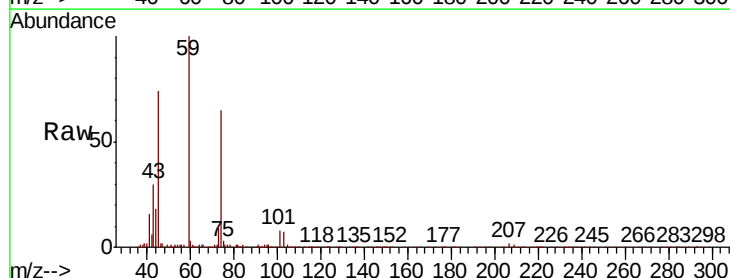
Tot Ion:101 Resp: 664329
 Ion Ratio Lower Upper
 101 100
 103 59.1 47.3 70.9

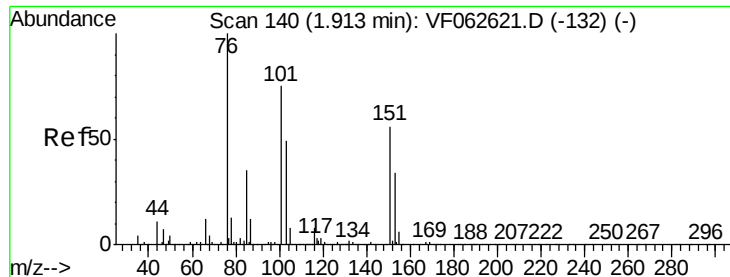


#8

Diethyl Ether
 Concen: 48.920 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion: 74 Resp: 116137
 Ion Ratio Lower Upper
 74 100
 45 113.9 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.342 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

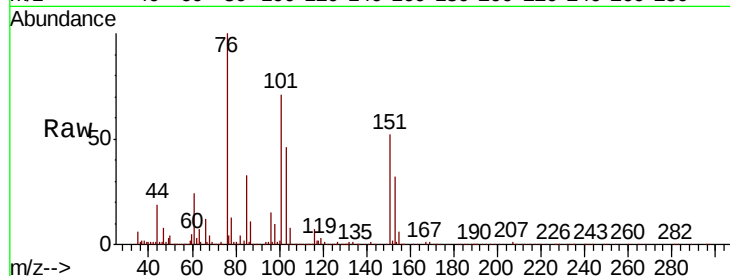
Tot Ion:101 Resp: 414657

Ion Ratio Lower Upper

101 100

85 46.4 37.1 55.7

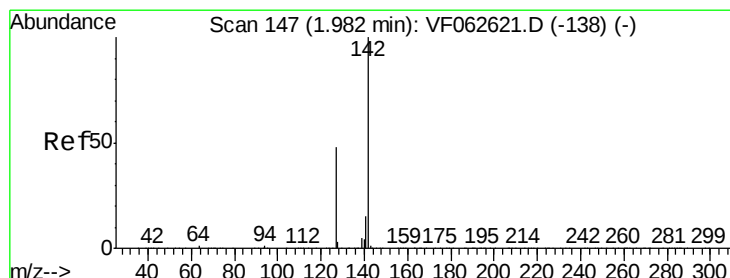
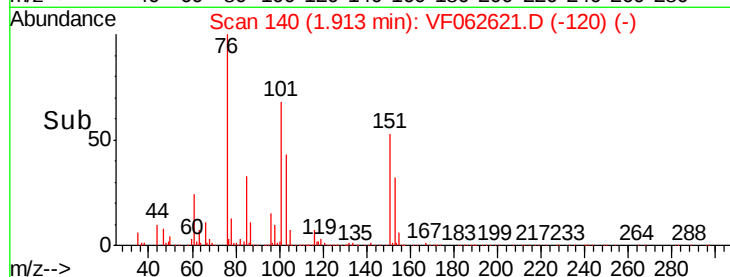
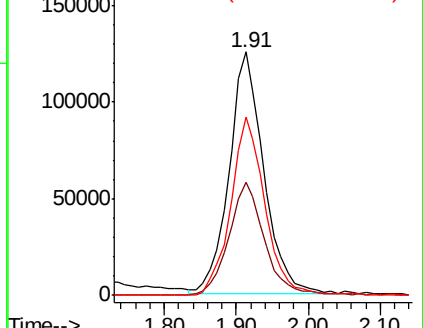
151 73.5 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 54.249 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

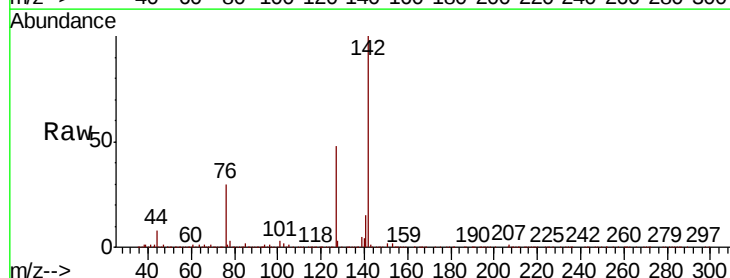
Tgt Ion:142 Resp: 813163

Ion Ratio Lower Upper

142 100

127 47.6 38.1 57.1

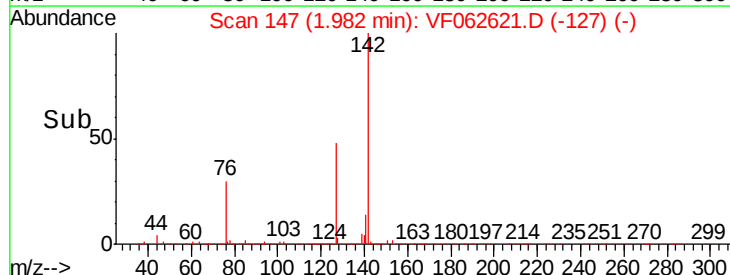
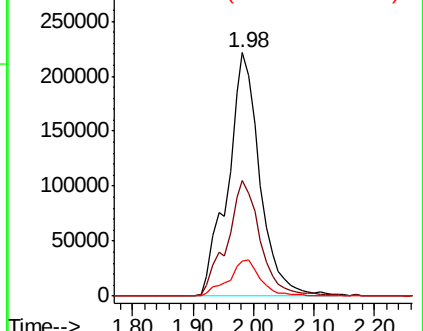
141 14.6 11.7 17.5

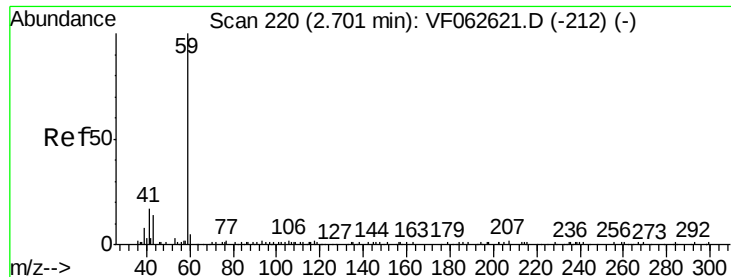


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



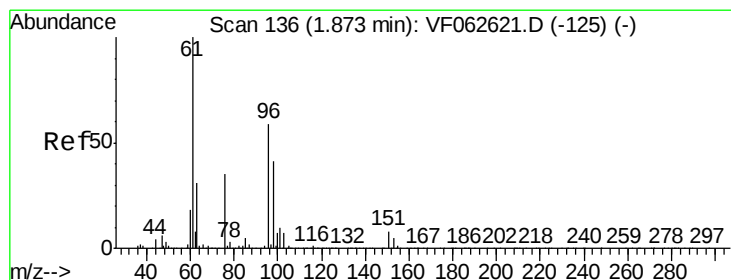
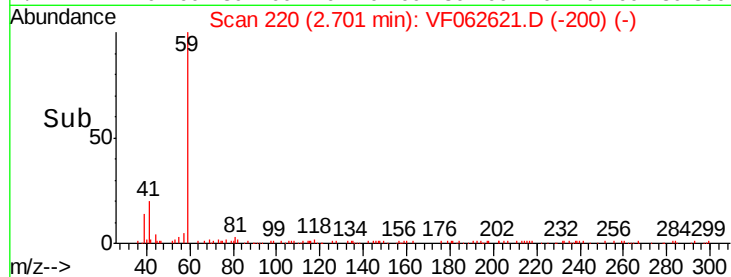
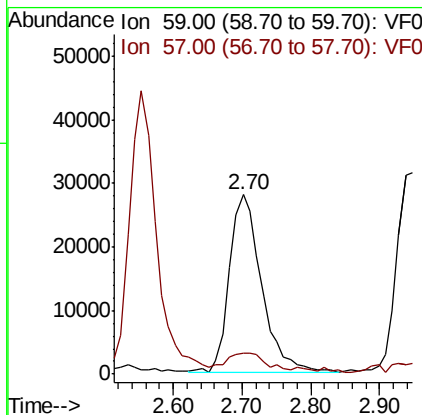
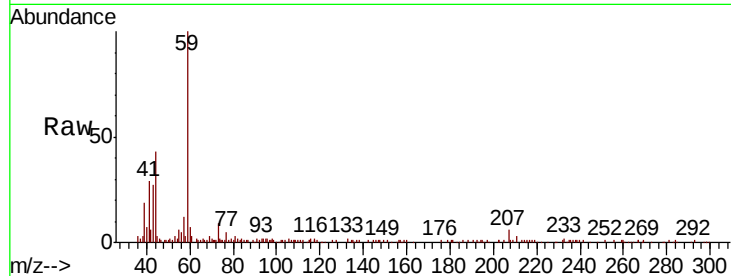


#11

Tert butyl alcohol
 Concen: 253.180 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

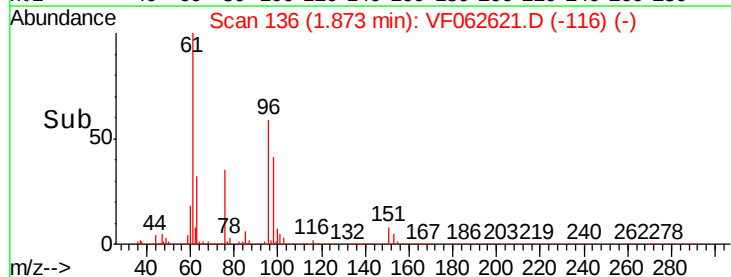
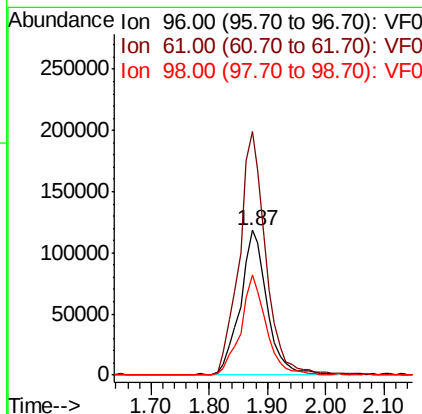
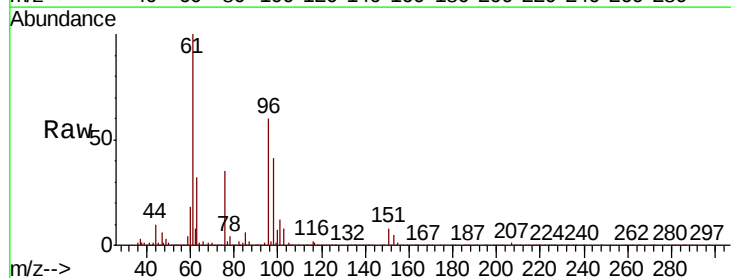
Tot Ion: 59 Resp: 91396
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.3 13.9

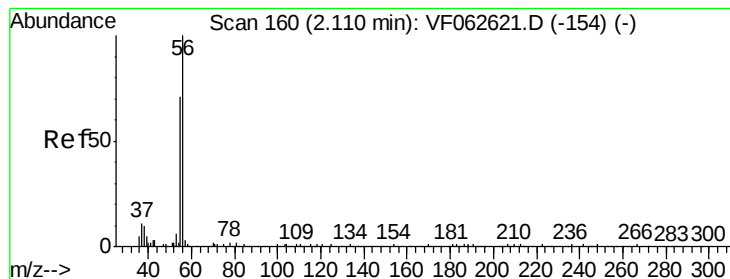


#12

1,1-Dichloroethene
 Concen: 54.290 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion: 96 Resp: 377367
 Ion Ratio Lower Upper
 96 100
 61 167.9 134.3 201.5
 98 68.8 55.0 82.6





#13

Acrolein

Concen: 278.918 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

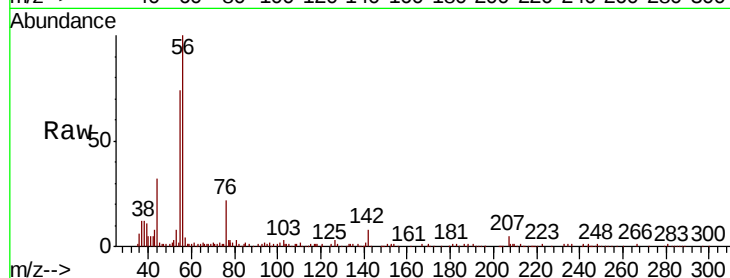
VSTDICCC050

Tot Ion: 56 Resp: 105103

Ion Ratio Lower Upper

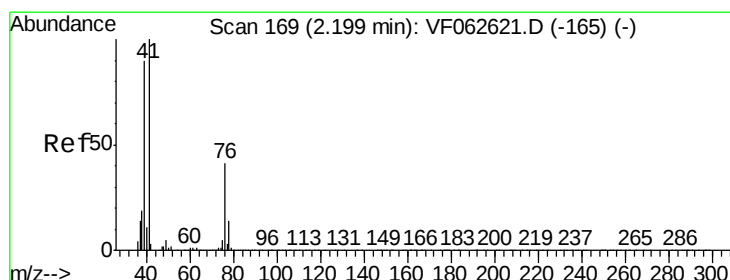
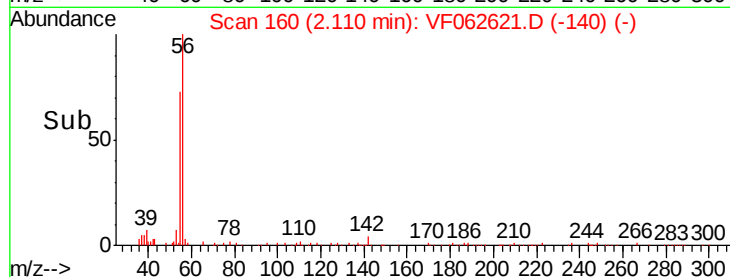
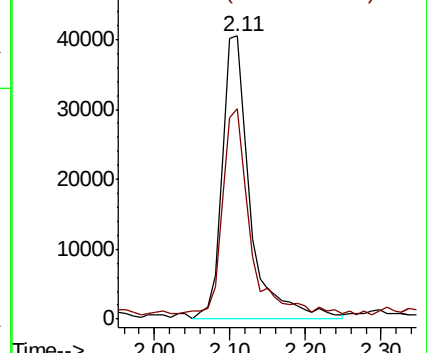
56 100

55 74.2 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 62.324 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

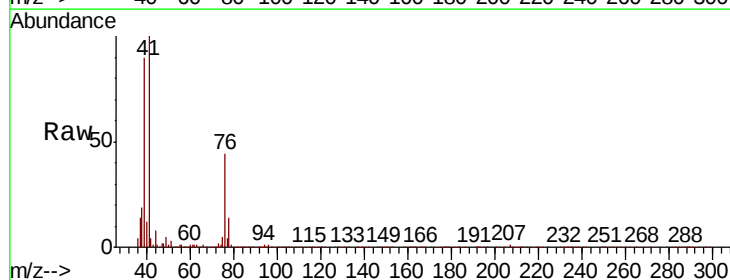
Tgt Ion: 41 Resp: 425647

Ion Ratio Lower Upper

41 100

39 90.0 72.0 108.0

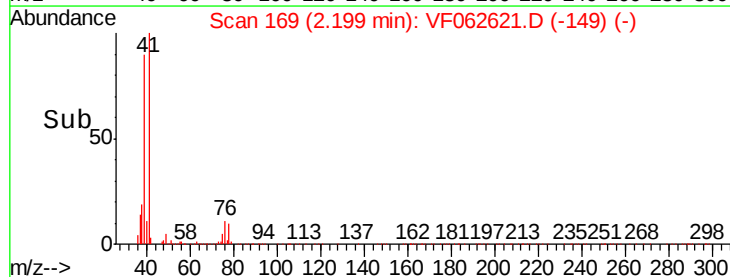
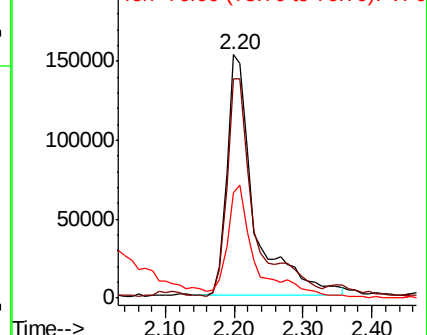
76 43.5 34.8 52.2

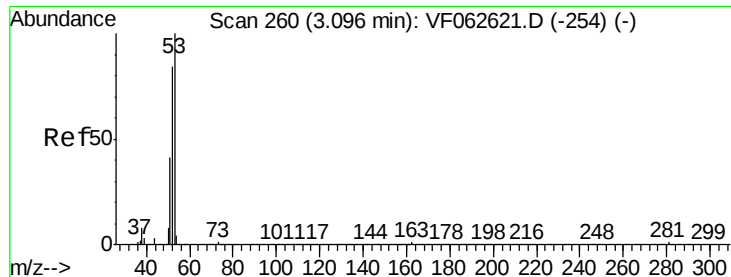


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 240.997 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

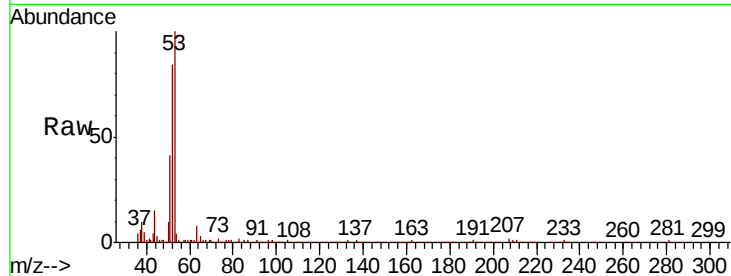
Tot Ion: 53 Resp: 245406

Ion Ratio Lower Upper

53 100

52 84.1 67.3 100.9

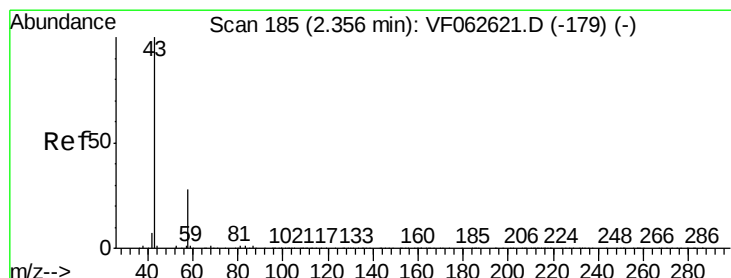
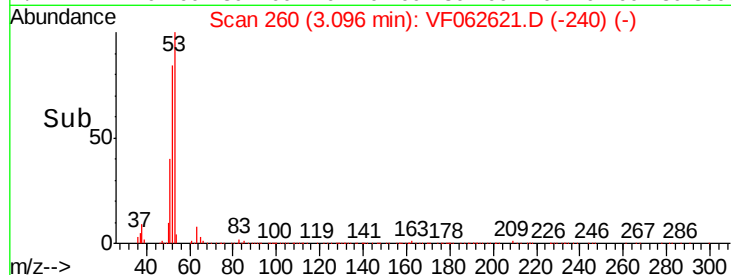
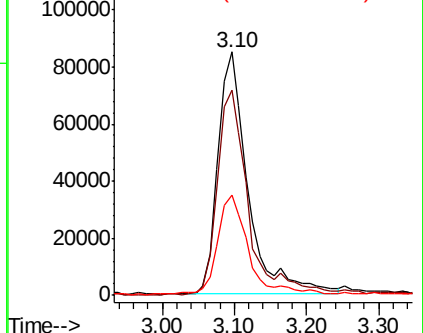
51 41.3 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 279.145 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062621.D

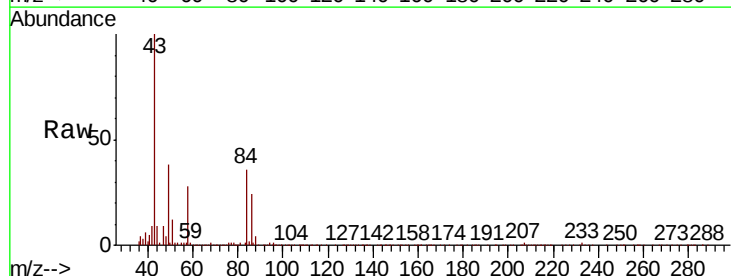
Acq: 16 May 2019 12:01

Tgt Ion: 43 Resp: 395977

Ion Ratio Lower Upper

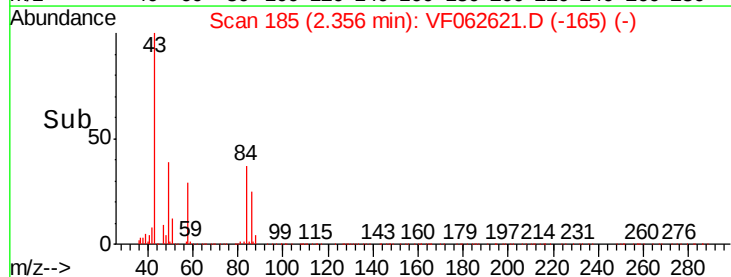
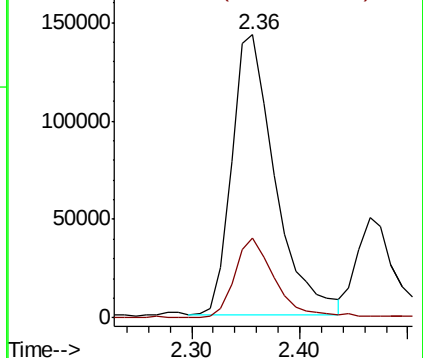
43 100

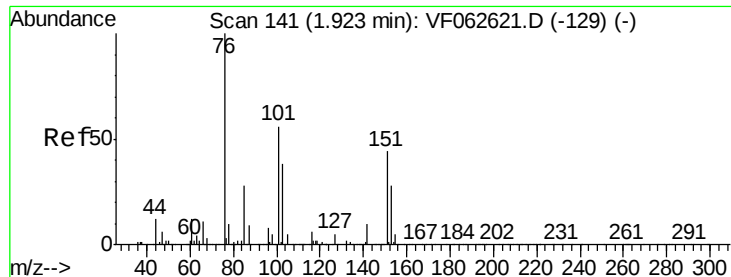
58 28.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

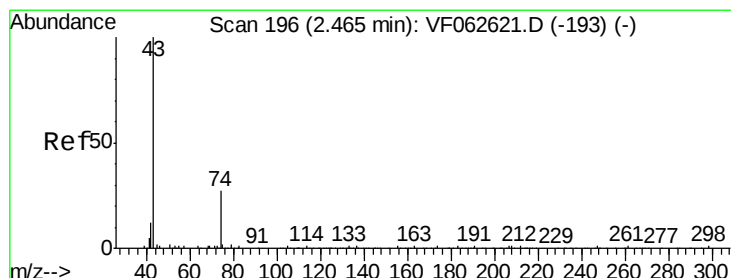
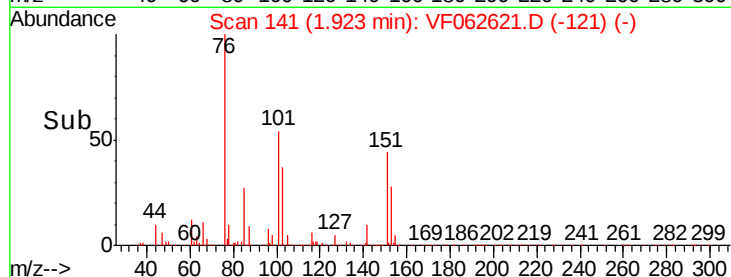
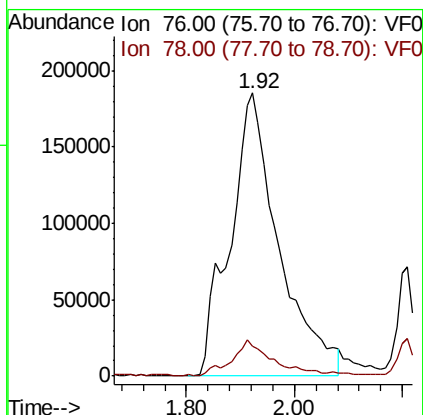
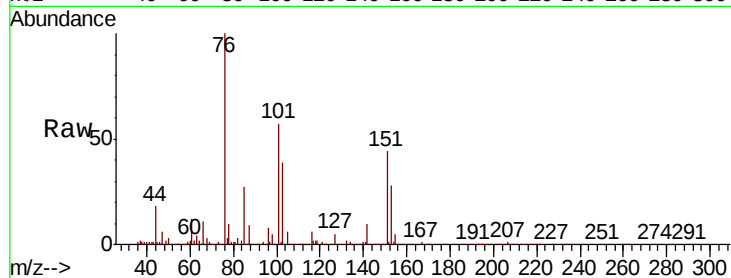




#17
Carbon Disulfide
Concen: 58.557 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

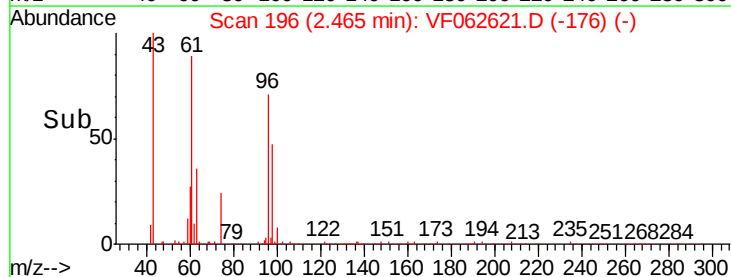
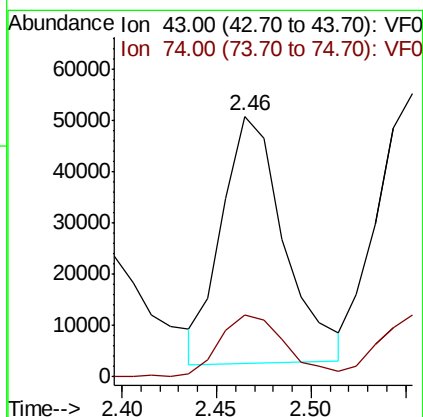
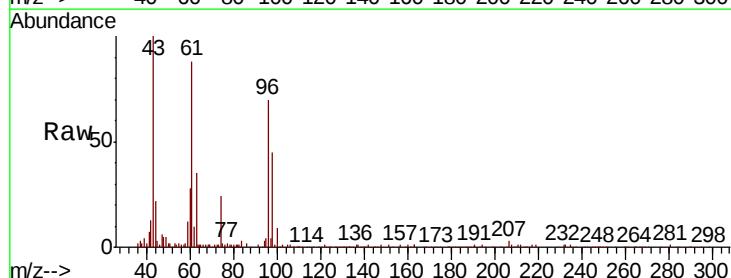
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

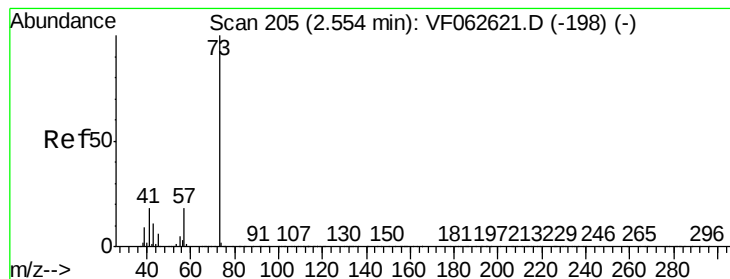
Tot Ion: 76 Resp: 1159780
Ion Ratio Lower Upper
76 100
78 10.5 8.4 12.6



#18
Methyl Acetate
Concen: 45.754 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 43 Resp: 110918
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3



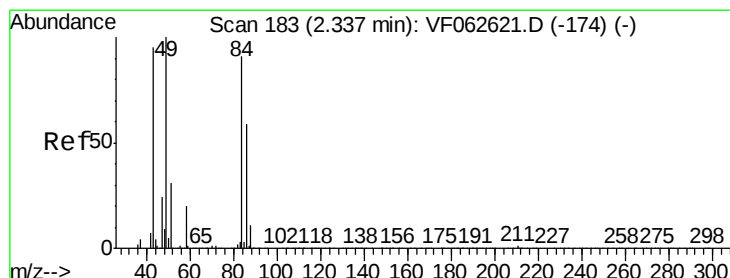
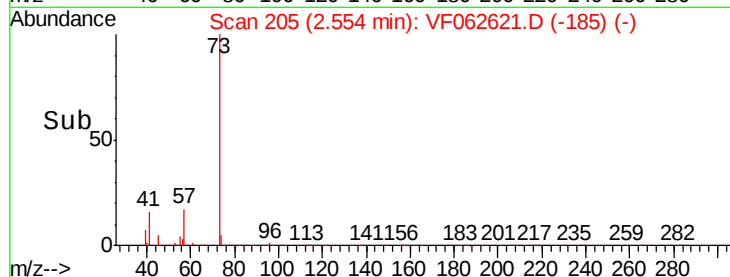
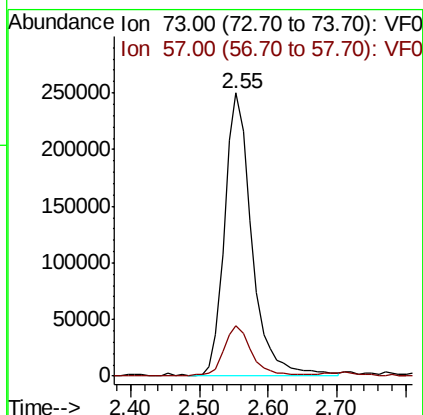
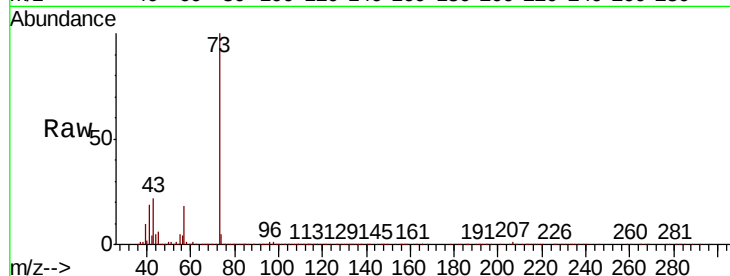


#19

Methyl tert-butyl Ether
 Concen: 54.408 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

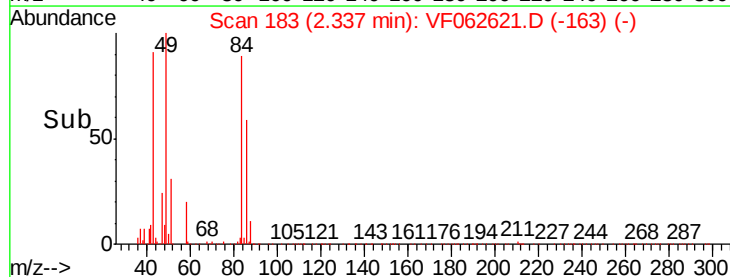
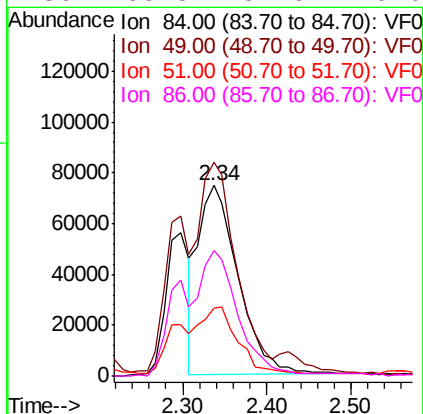
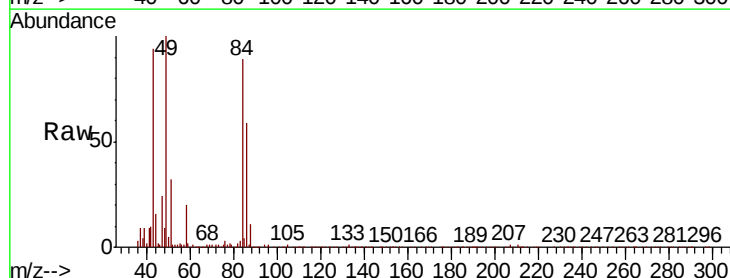
Tot Ion: 73 Resp: 676067
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.2 21.4

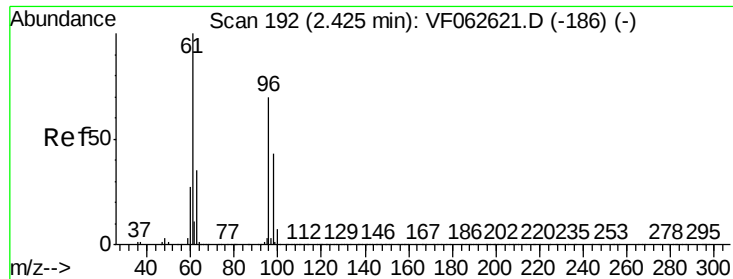


#20

Methylene Chloride
 Concen: 34.664 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion: 84 Resp: 245046
 Ion Ratio Lower Upper
 84 100
 49 112.3 89.8 134.8
 51 35.5 28.4 42.6
 86 65.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 54.078 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

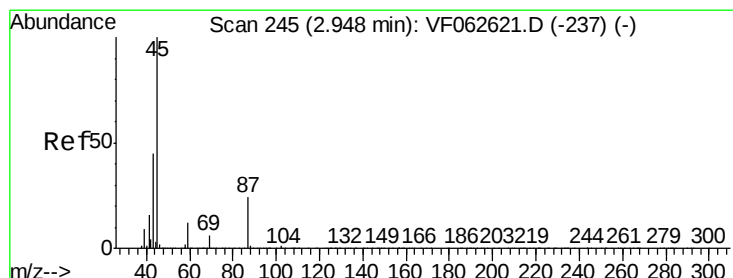
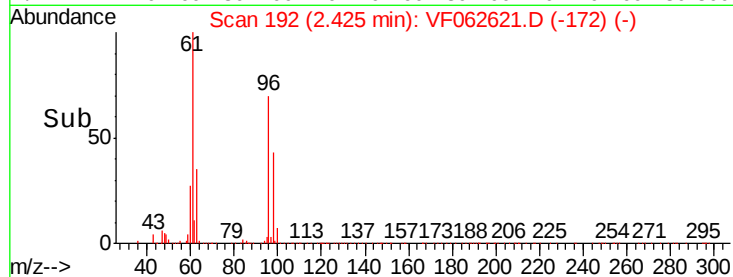
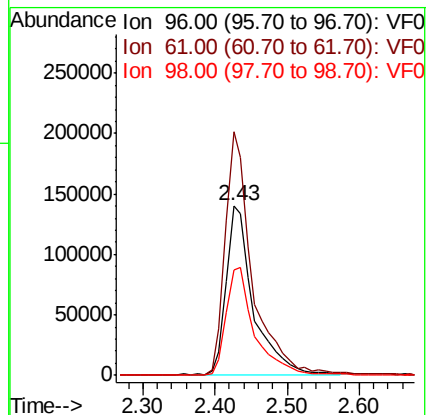
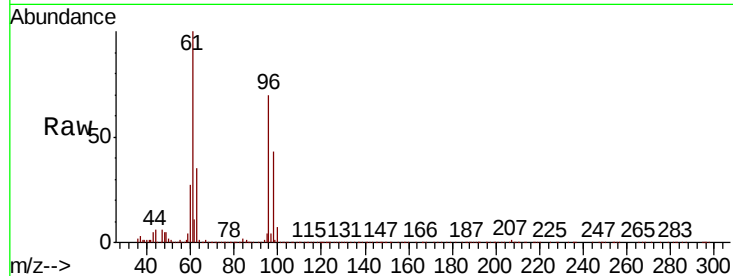
Tot Ion: 96 Resp: 367407

Ion Ratio Lower Upper

96 100

61 143.2 114.6 171.8

98 61.9 49.5 74.3



#22

Diisopropyl ether

Concen: 51.375 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Tgt Ion: 45 Resp: 797136

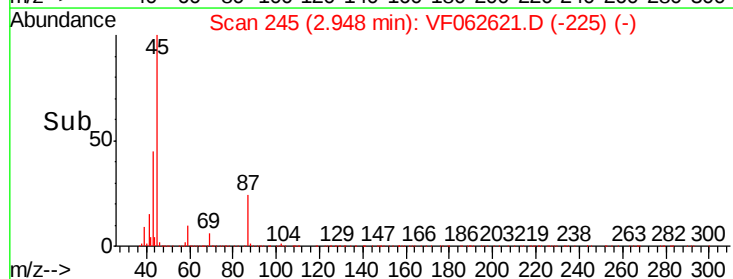
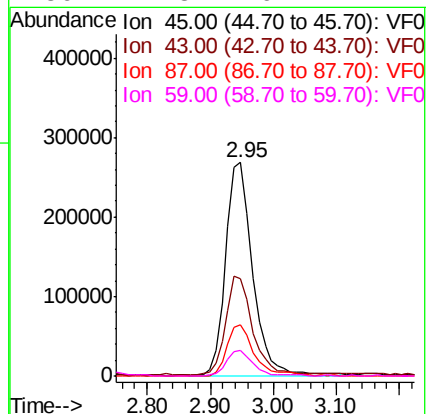
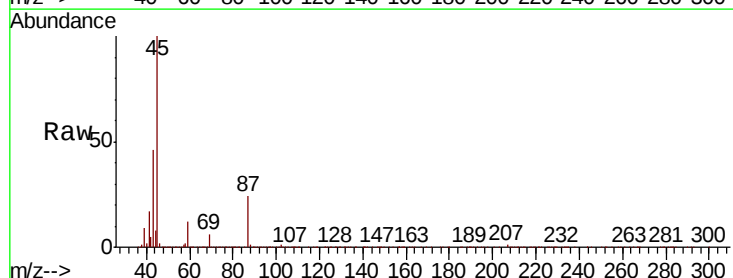
Ion Ratio Lower Upper

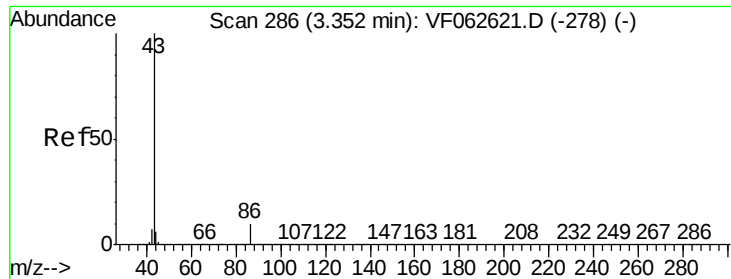
45 100

43 45.5 36.4 54.6

87 24.1 19.3 28.9

59 11.8 9.4 14.2

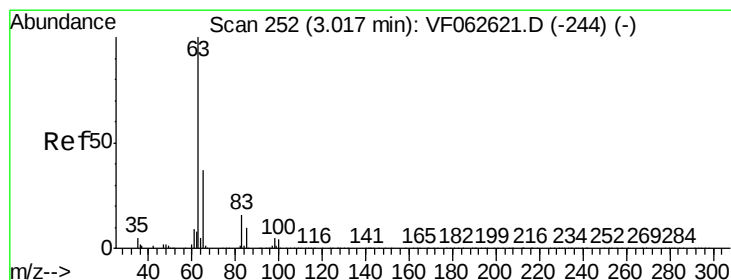
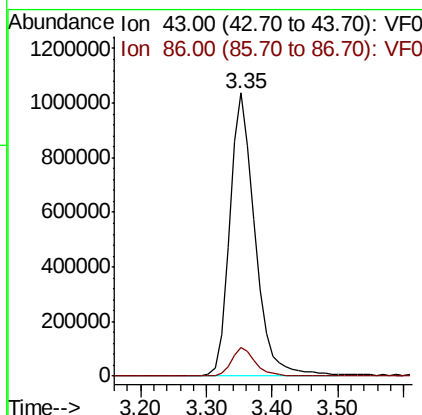
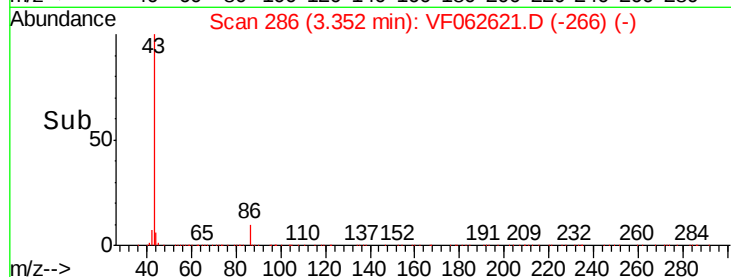
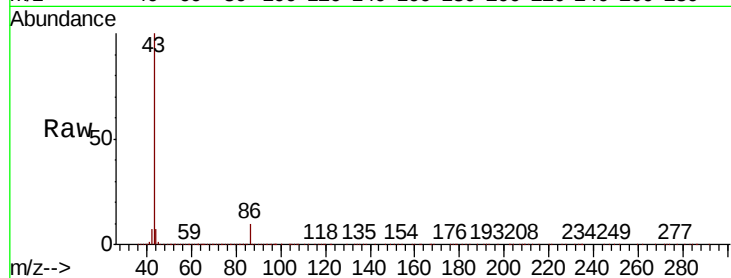




#23
 Vinyl Acetate
 Concen: 264.973 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

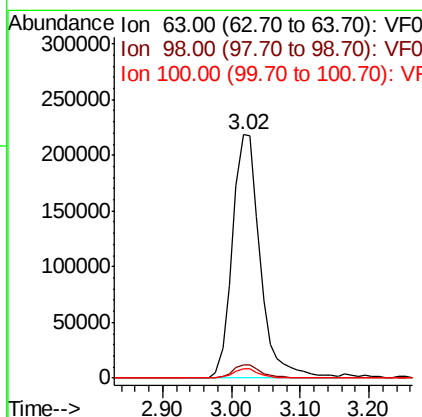
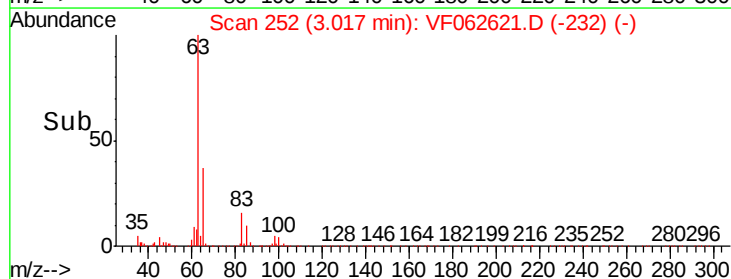
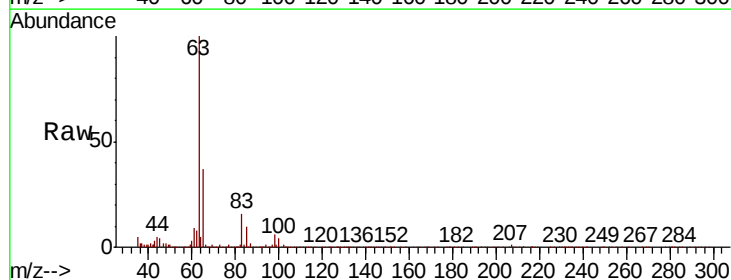
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2773407
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 53.549 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion: 63 Resp: 609523
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 274.260 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

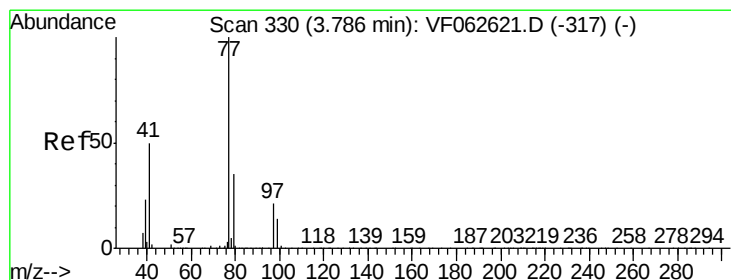
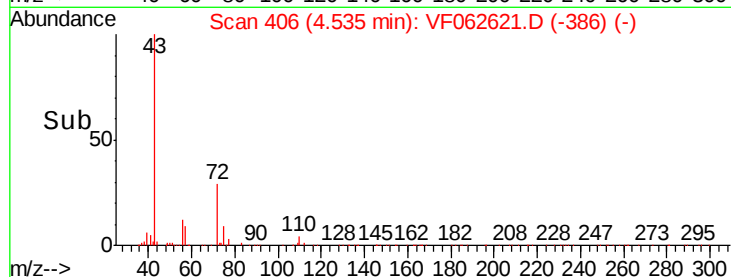
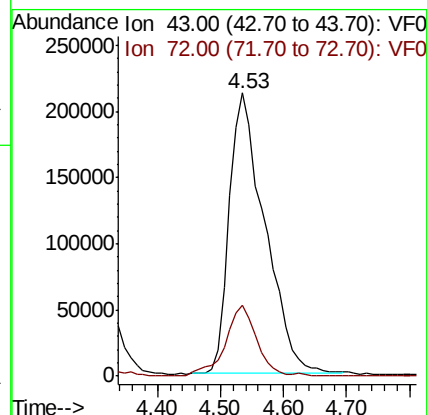
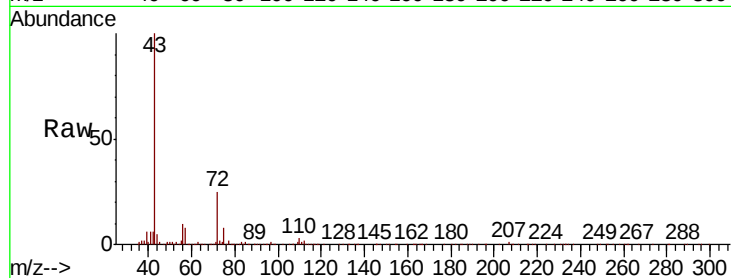
VSTDICCC050

Tot Ion: 43 Resp: 831197

Ion Ratio Lower Upper

43 100

72 25.1 20.1 30.1



#26

2,2-Dichloropropane

Concen: 53.918 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062621.D

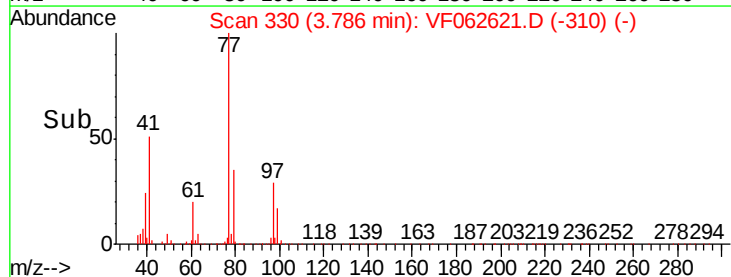
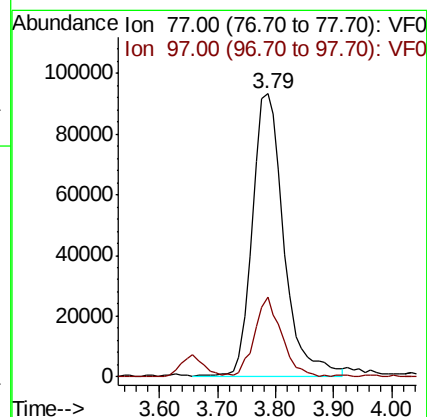
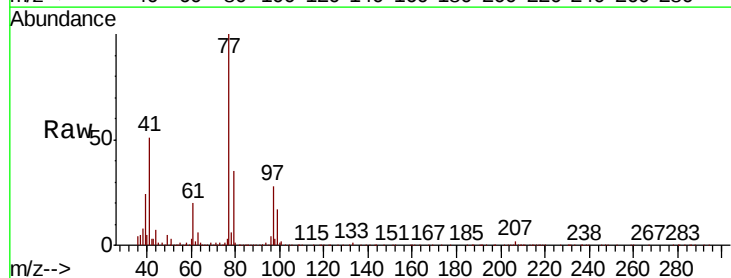
Acq: 16 May 2019 12:01

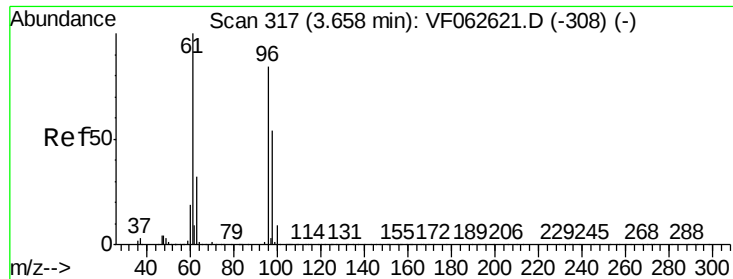
Tgt Ion: 77 Resp: 351152

Ion Ratio Lower Upper

77 100

97 28.3 14.1 42.4



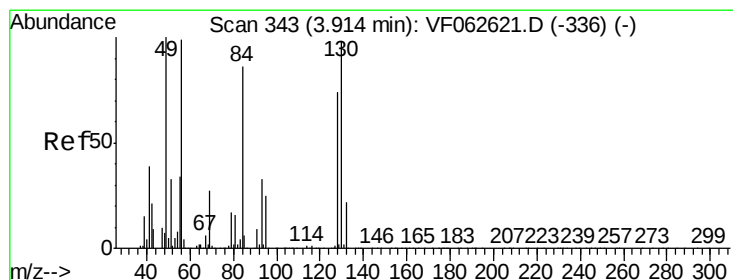
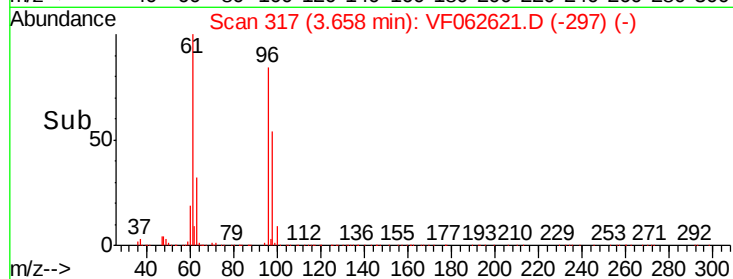
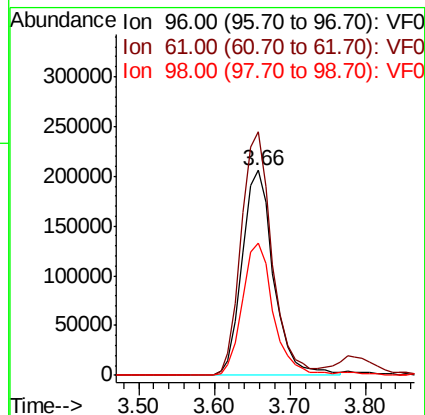
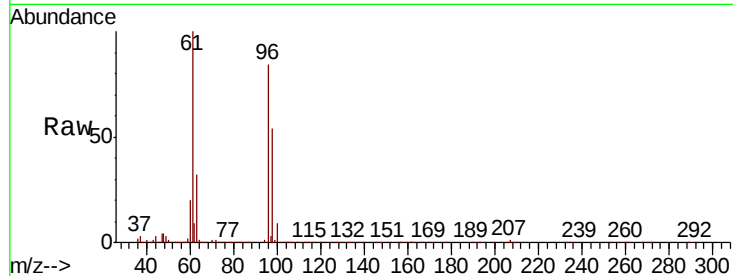


#27

cis-1,2-Dichloroethene
 Concen: 52.769 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

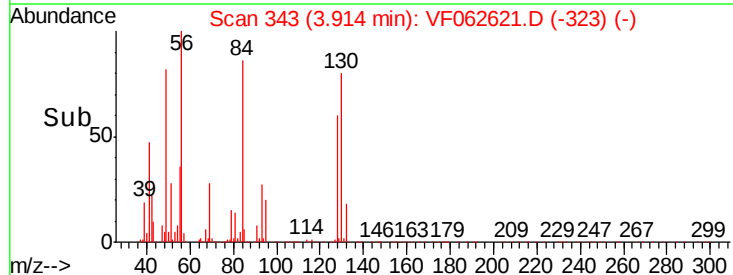
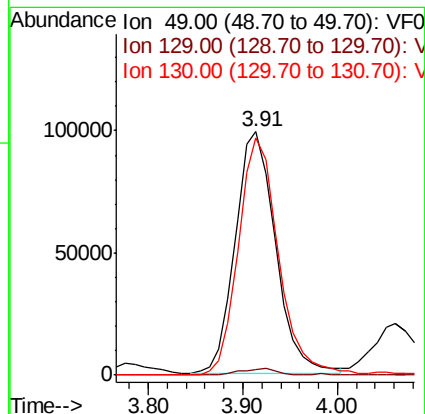
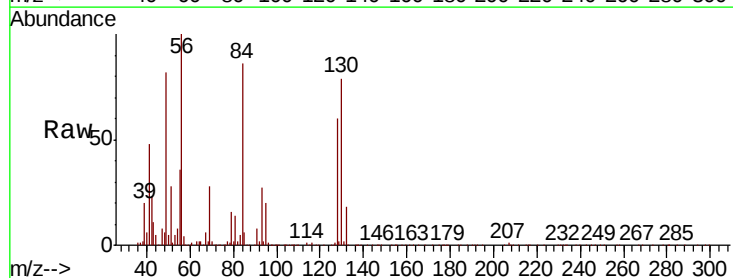
Tot Ion	96	Resp	589719
Ion	Ratio	Lower	Upper
96	100		
61	118.7	0.0	237.4
98	64.5	0.0	129.0

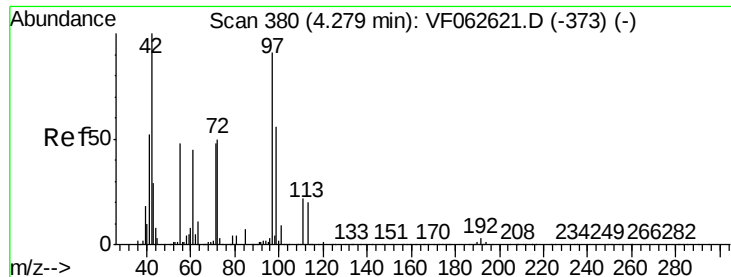


#28

Bromochloromethane
 Concen: 46.155 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion	49	Resp	294646
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	97.3	77.8	116.8

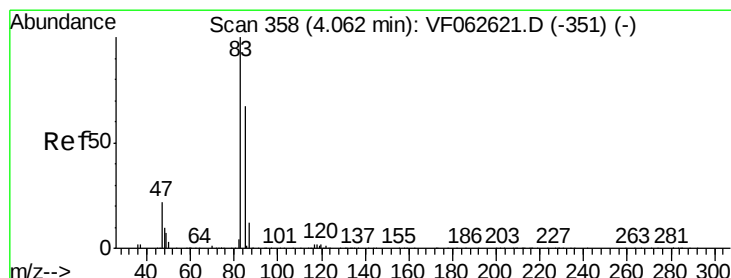
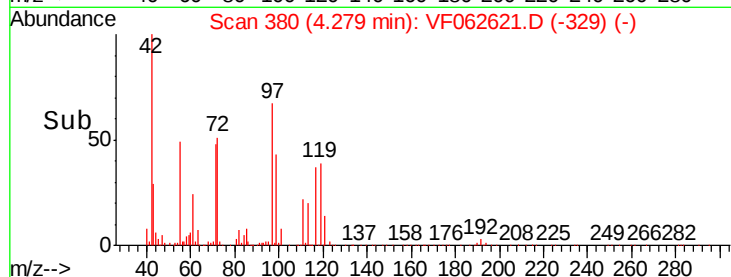
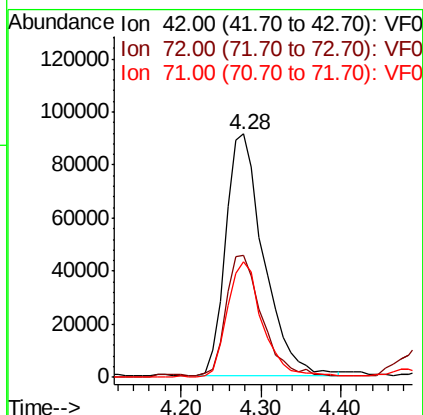
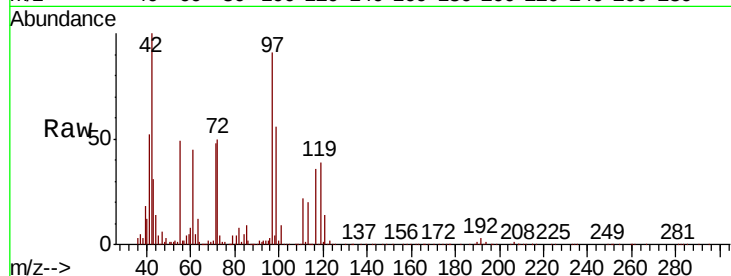




#29
Tetrahydrofuran
Concen: 249.285 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

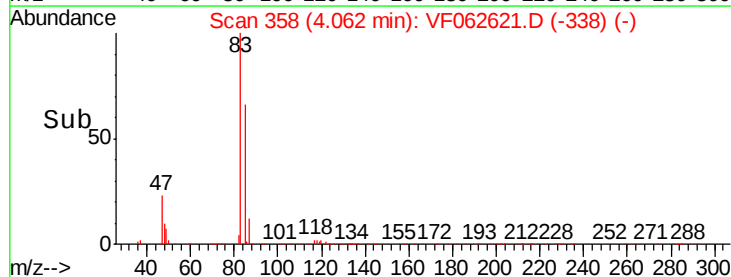
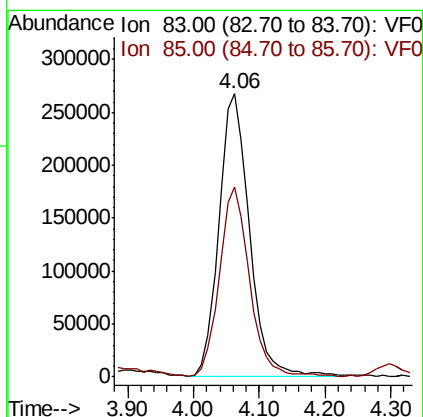
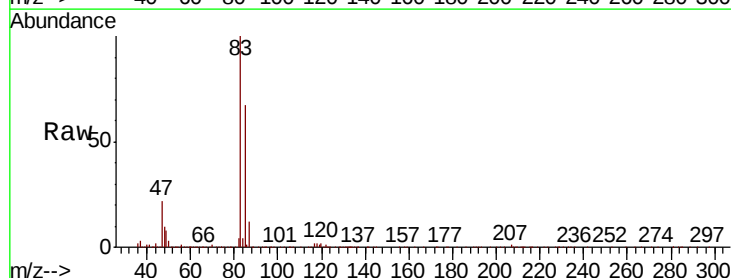
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

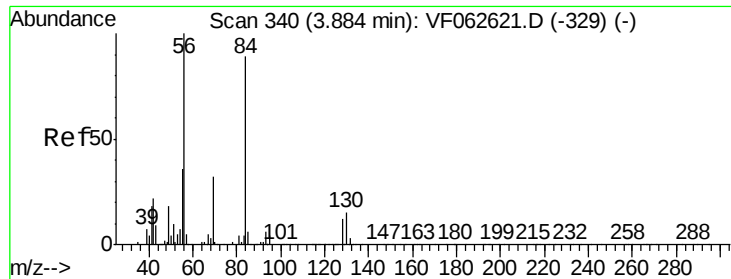
Tot Ion: 42 Resp: 305727
Ion Ratio Lower Upper
42 100
72 47.7 38.2 57.2
71 44.7 35.8 53.6



#30
Chloroform
Concen: 54.031 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 83 Resp: 853895
Ion Ratio Lower Upper
83 100
85 67.0 53.6 80.4

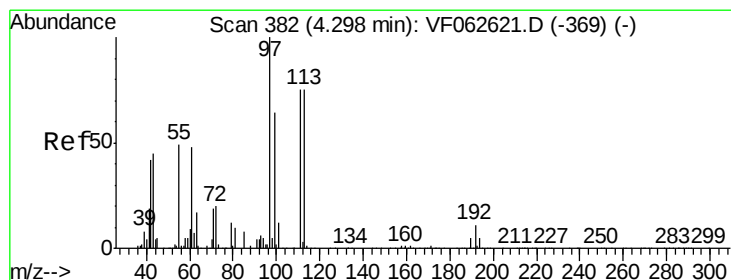
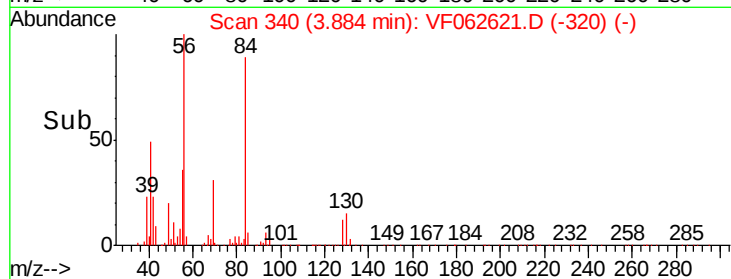
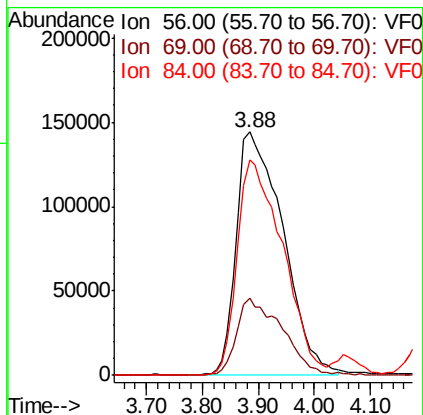
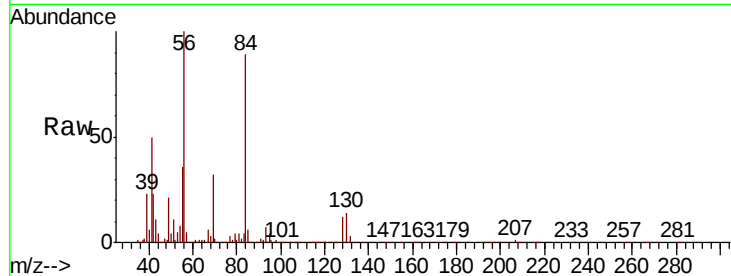




#31
Cyclohexane
Concen: 58.387 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

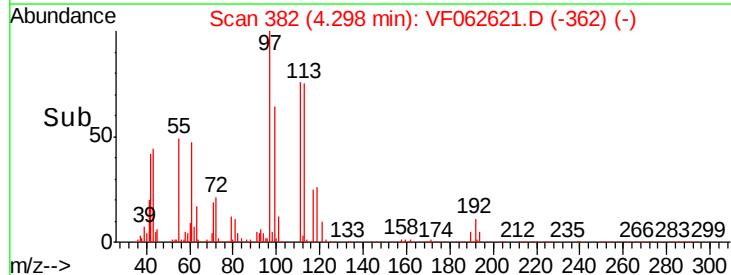
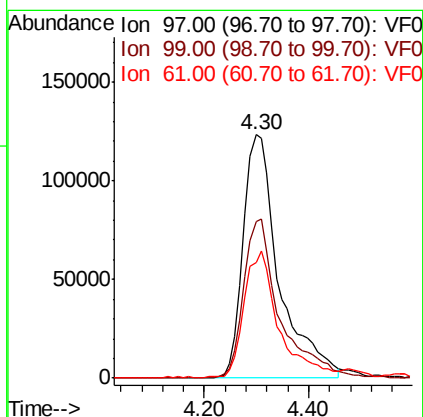
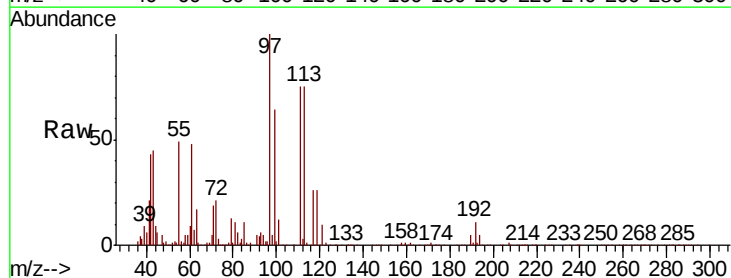
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

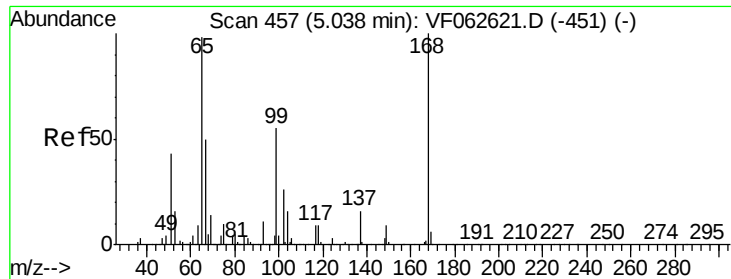
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	88.7	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 55.103 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	47.7	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 48.763 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

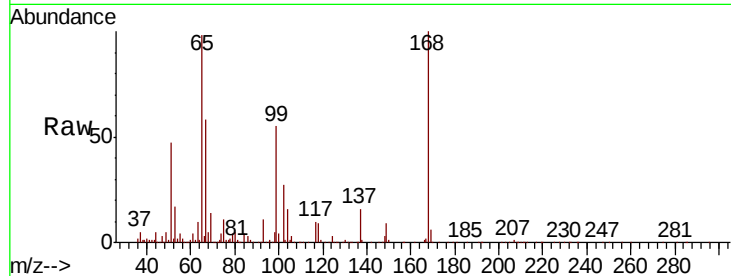
VSTDICCC050

Tot Ion: 65 Resp: 266631

Ion Ratio Lower Upper

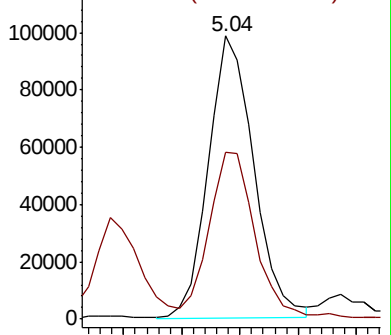
65 100

67 58.8 0.0 117.6

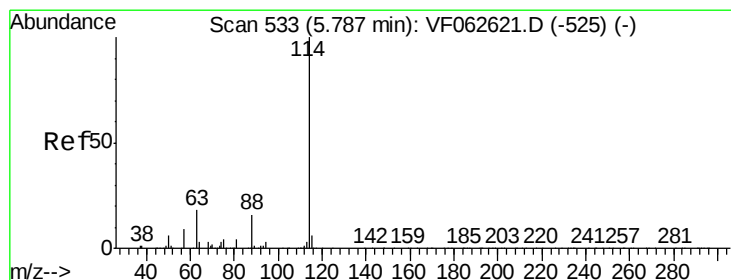
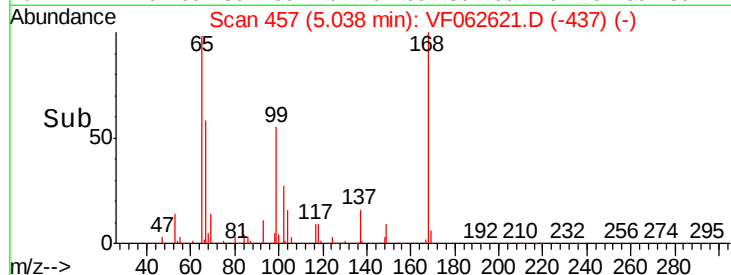


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

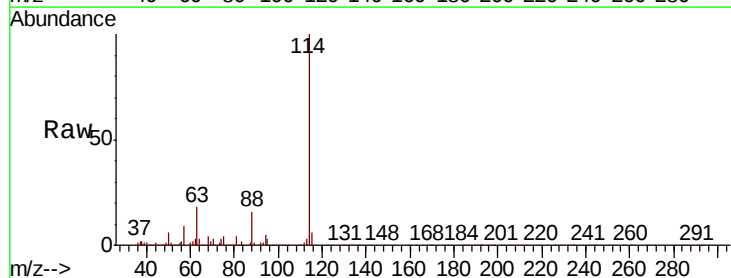
Tgt Ion: 114 Resp: 1241783

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

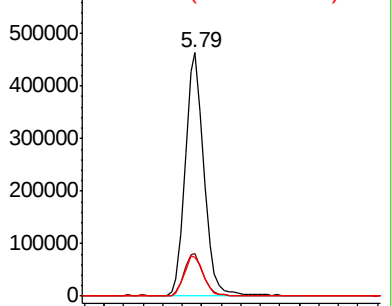
88 16.2 0.0 32.4



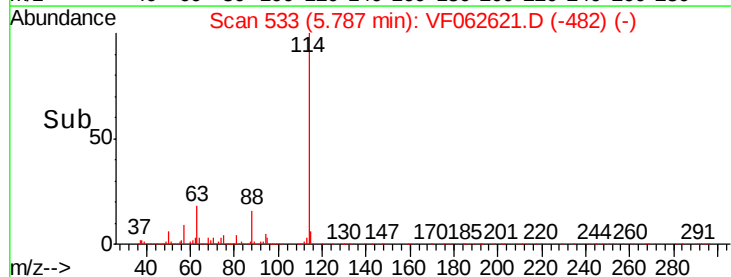
Abundance Ion 114.00 (113.70 to 114.70): V

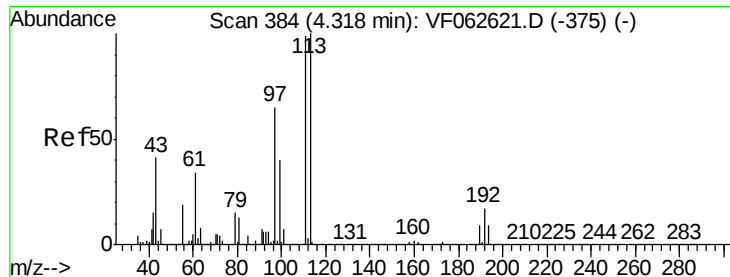
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



Time-->

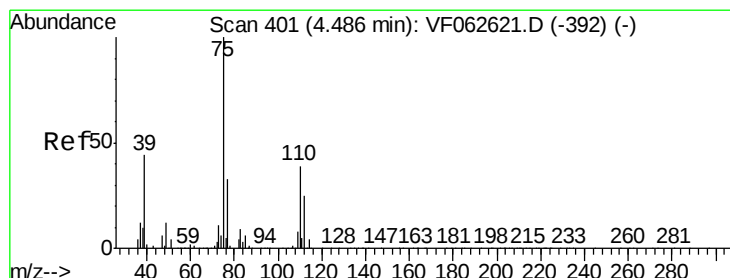
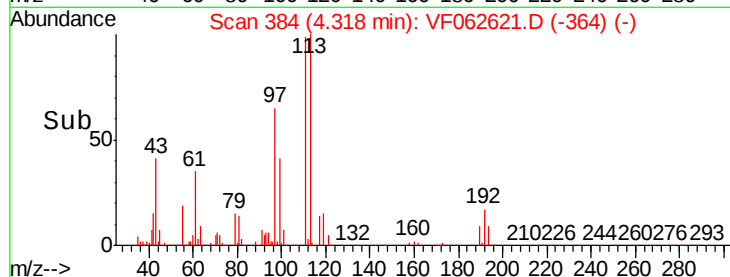
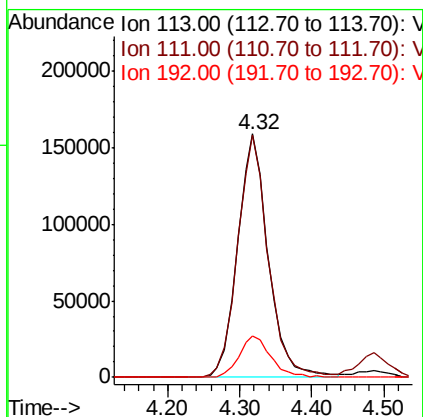
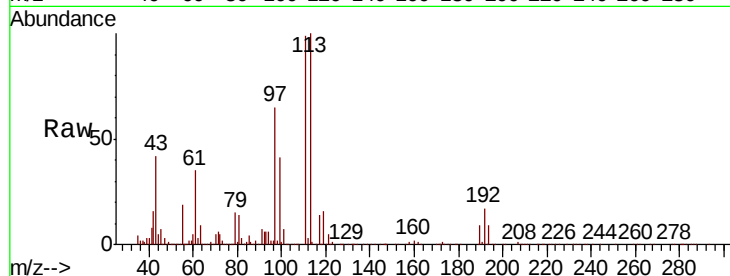




#35
 Dibromofluoromethane
 Concen: 49.538 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

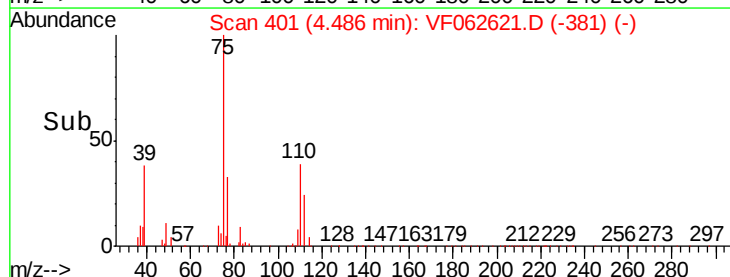
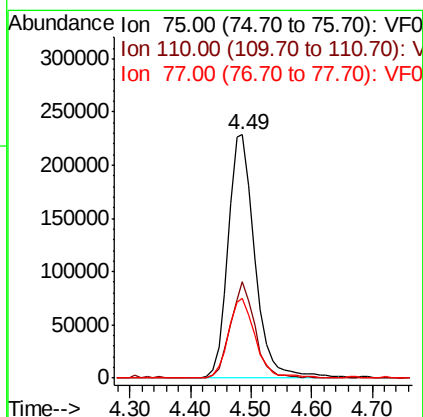
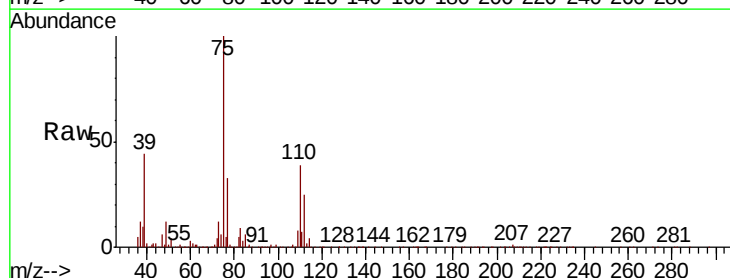
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:113 Resp: 470723
 Ion Ratio Lower Upper
 113 100
 111 99.3 79.4 119.2
 192 16.8 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 55.115 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion: 75 Resp: 701308
 Ion Ratio Lower Upper
 75 100
 110 39.4 19.7 59.1
 77 32.9 26.3 39.5

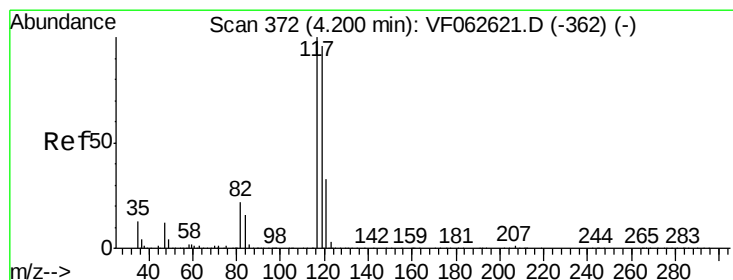
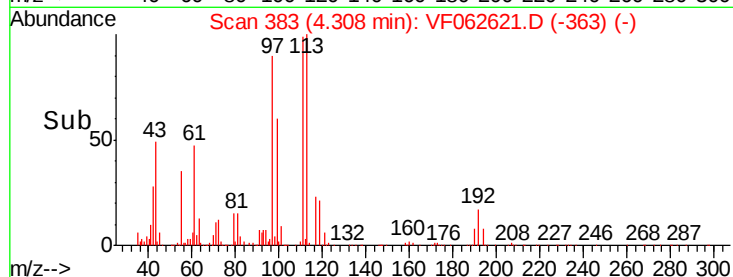
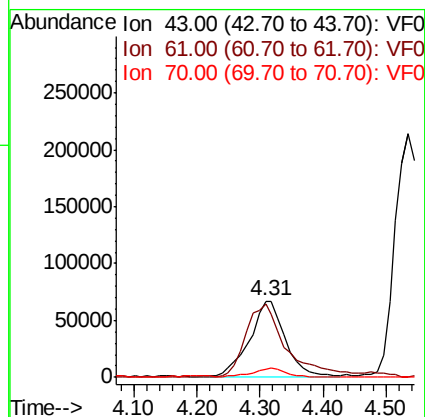
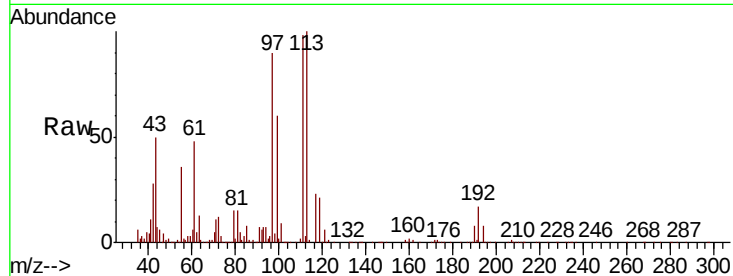




#37
Ethyl Acetate
Concen: 49.578 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

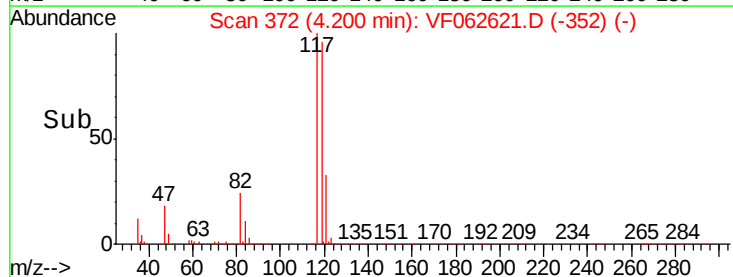
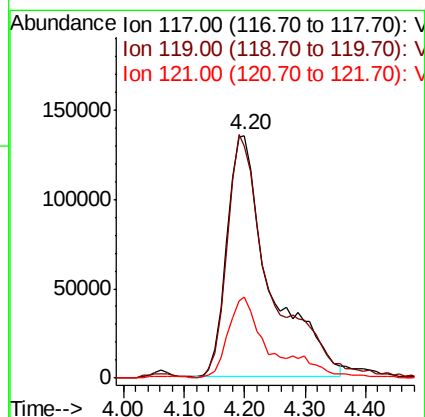
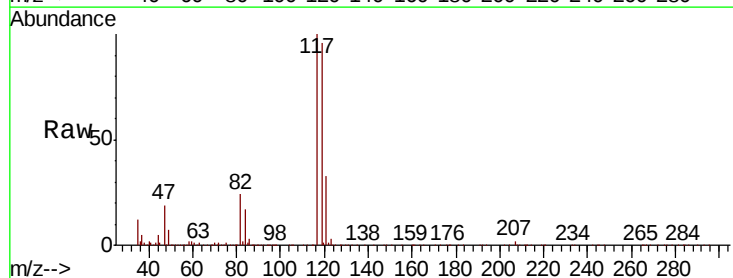
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

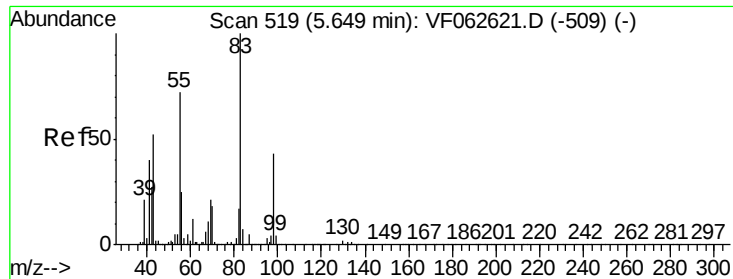
Tot Ion: 43 Resp: 257580
Ion Ratio Lower Upper
43 100
61 96.1 76.9 115.3
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 75.488 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 117 Resp: 676745
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
121 33.3 26.6 40.0

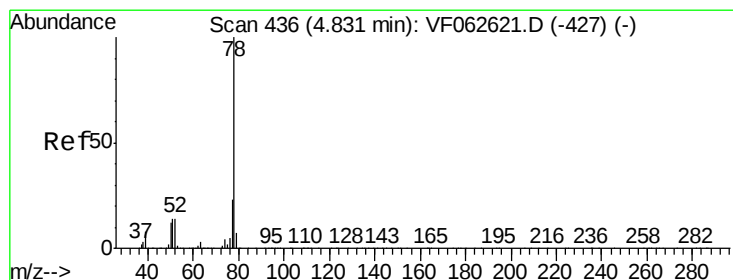
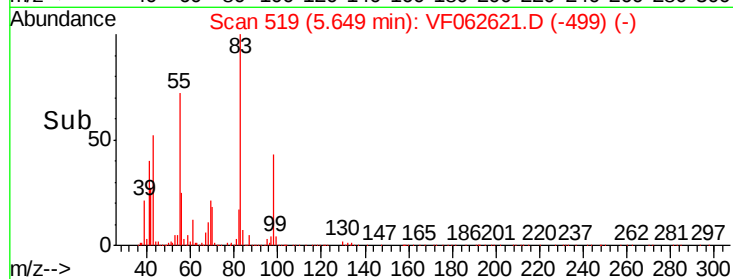
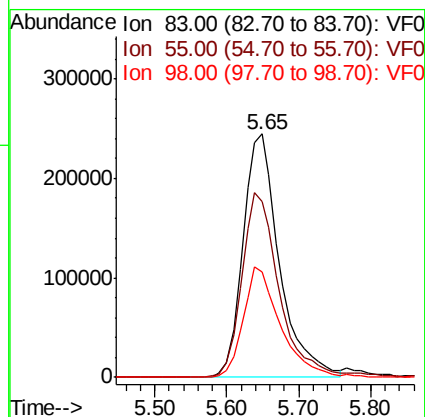
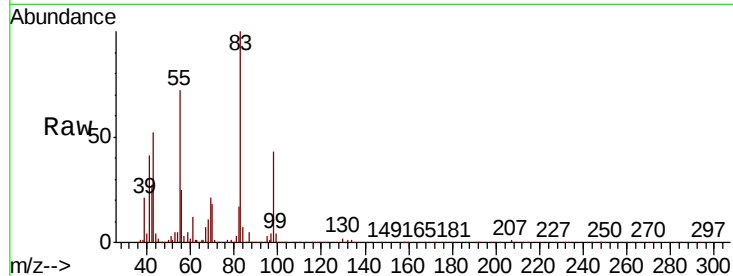




#39
Methvlcvclohexane
Concen: 56.540 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

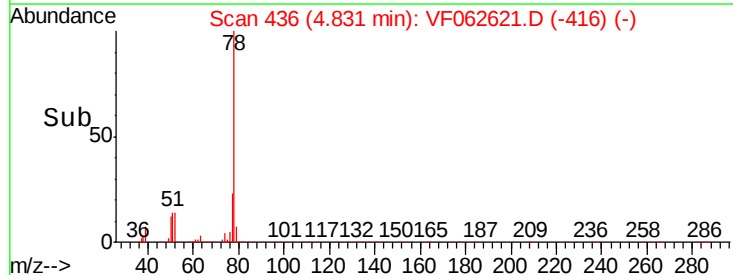
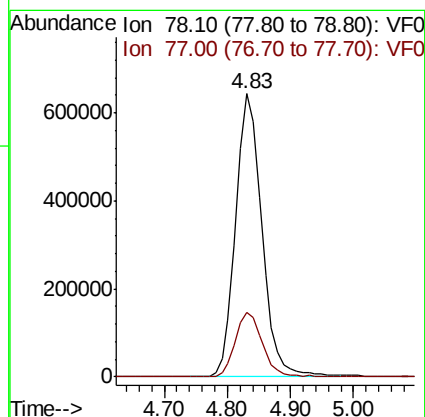
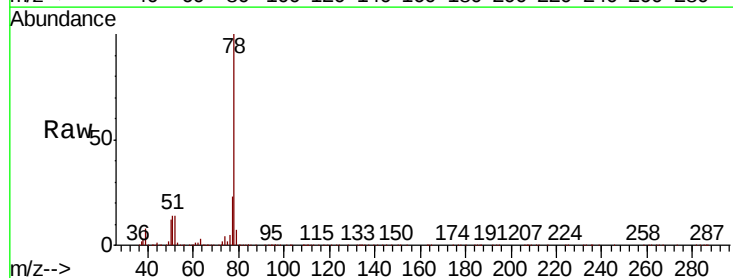
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

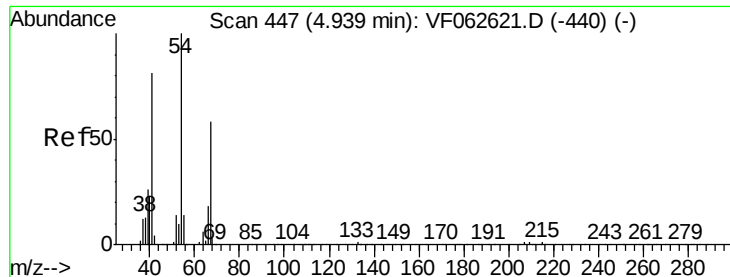
Tot Ion: 83 Resp: 865666
Ion Ratio Lower Upper
83 100
55 72.4 57.9 86.9
98 43.3 34.6 52.0



#40
Benzene
Concen: 53.274 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 78 Resp: 1846726
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2

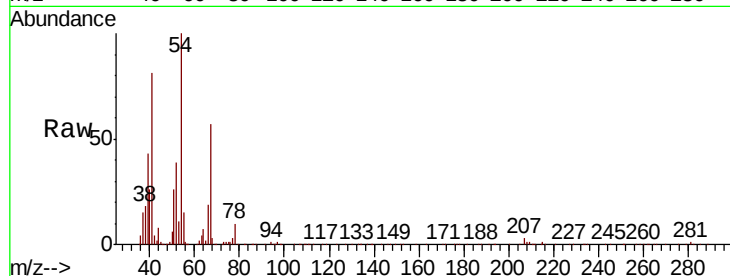




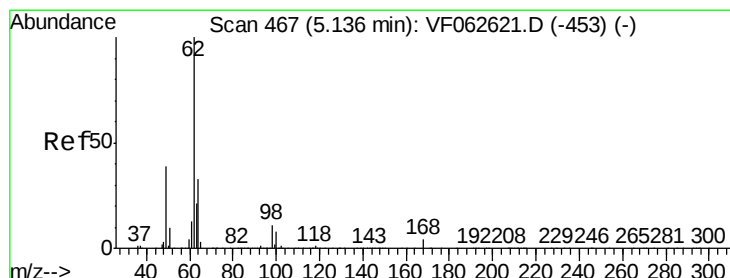
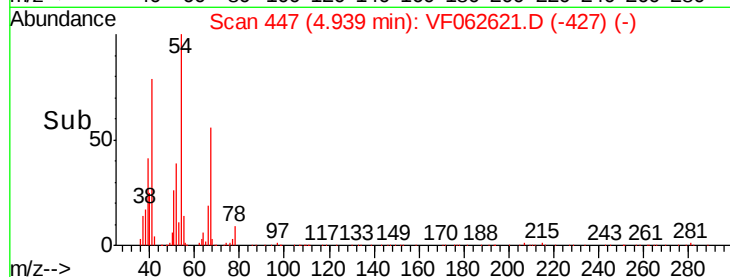
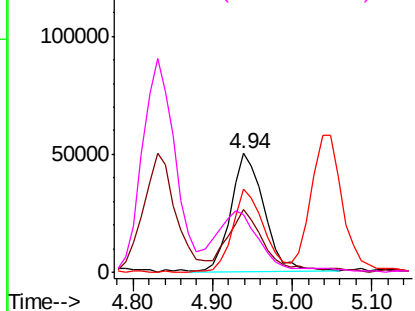
#41
Methacrylonitrile
Concen: 53.477 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	145661
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.2	63.2
67	70.5	56.4	84.6
52	48.5	38.8	58.2

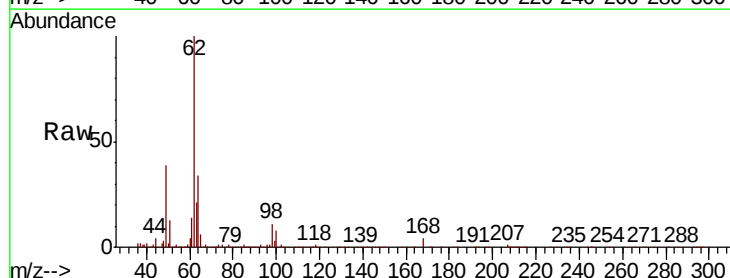


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

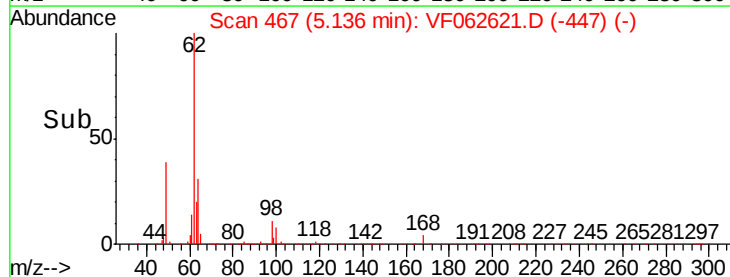
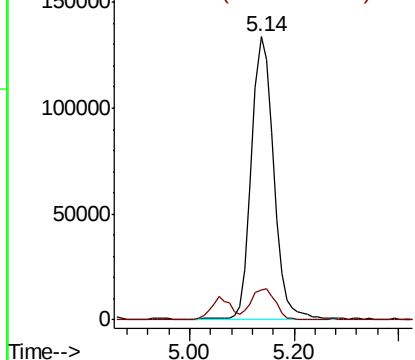


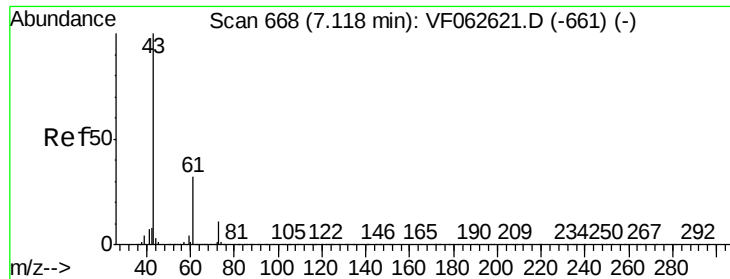
#42
1,2-Dichloroethane
Concen: 55.917 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion:	62	Resp:	386542
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



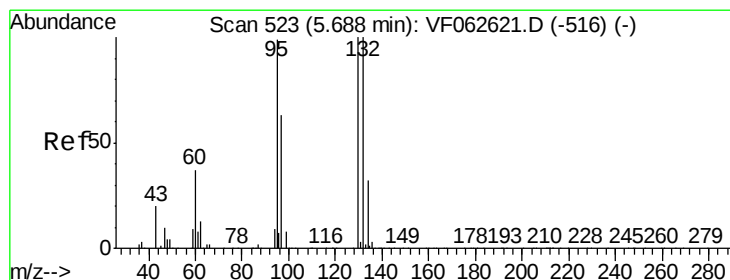
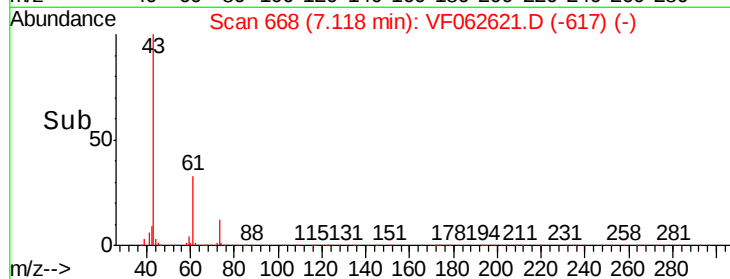
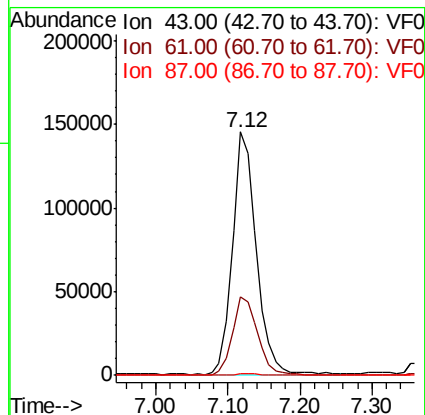
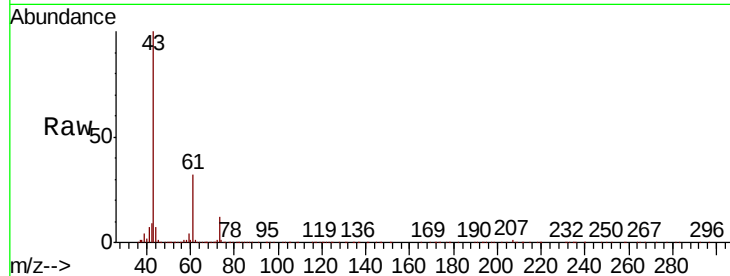


#43

Isopropyl Acetate
 Concen: 49.964 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

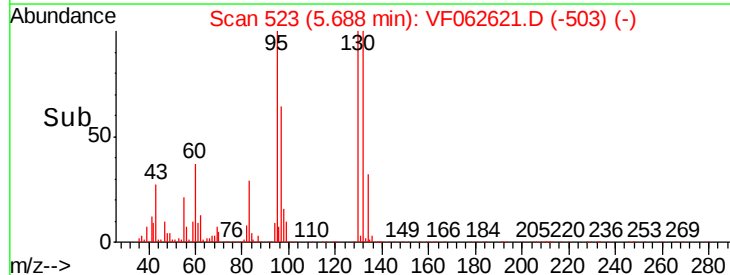
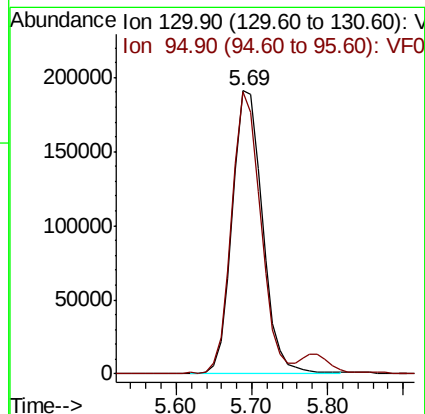
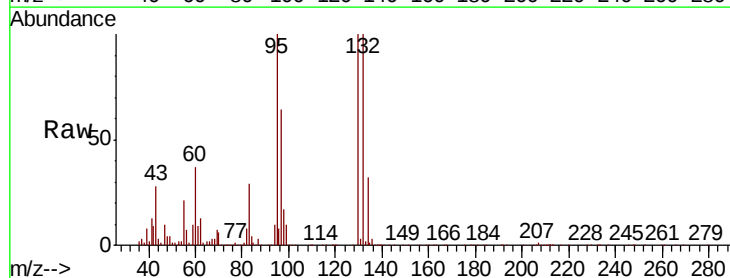
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.8	38.8
87	0.5	0.4	0.6

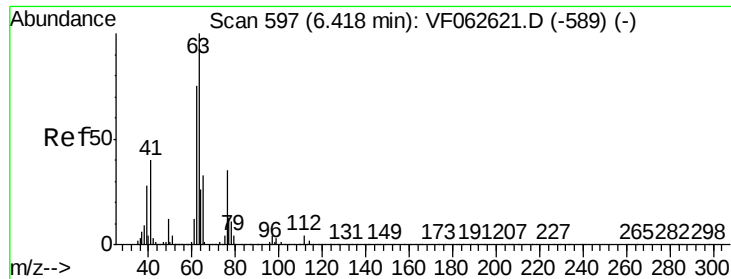


#44

Trichloroethene
 Concen: 54.435 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	199.4





#45

1,2-Dichloropropane

Concen: 55.297 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

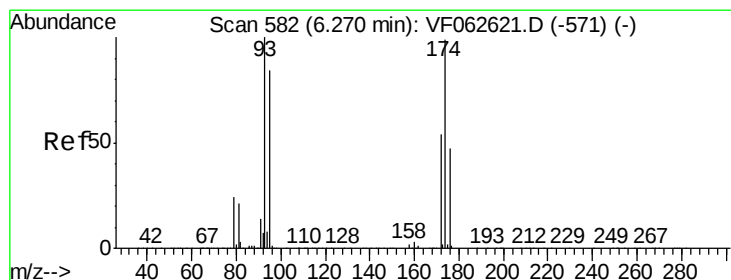
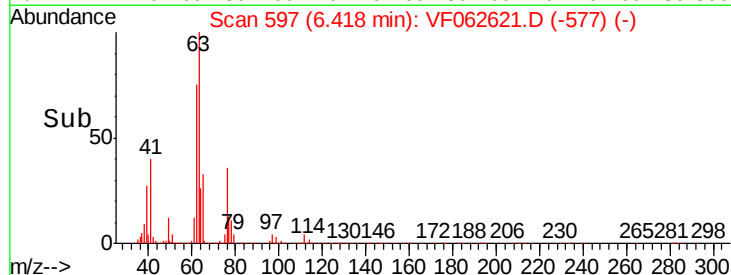
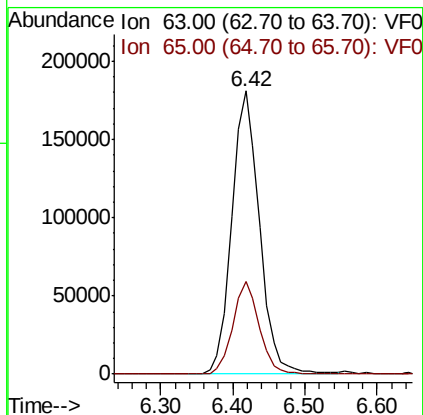
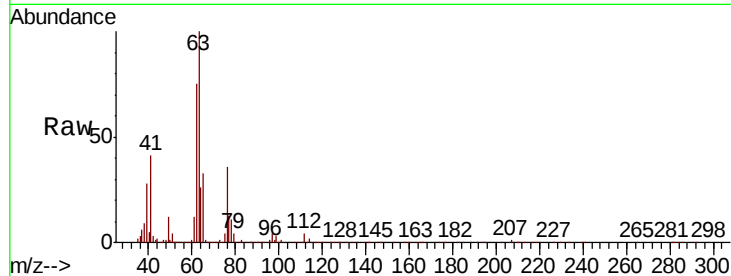
VSTDICCC050

Tot Ion: 63 Resp: 483881

Ion Ratio Lower Upper

63 100

65 32.9 26.3 39.5



#46

Dibromomethane

Concen: 53.549 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

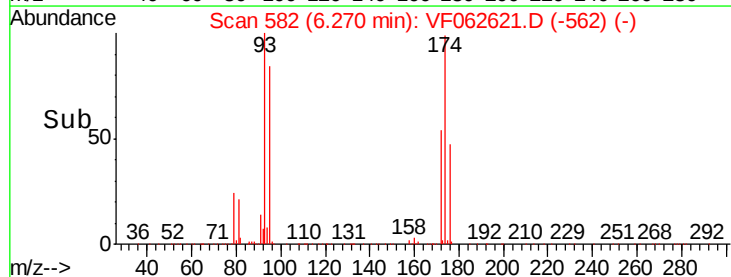
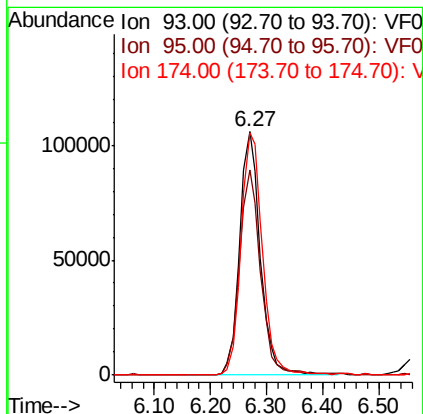
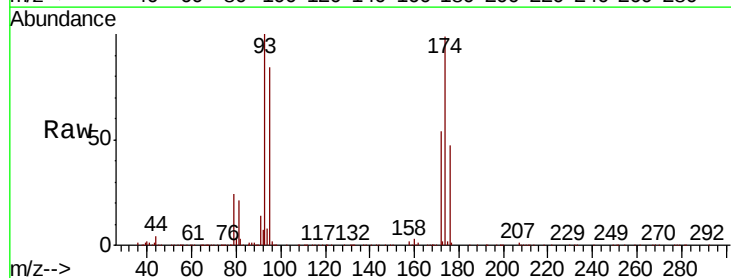
Tgt Ion: 93 Resp: 270812

Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

174 99.3 79.4 119.2





#47

Bromodichloromethane

Concen: 54.805 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

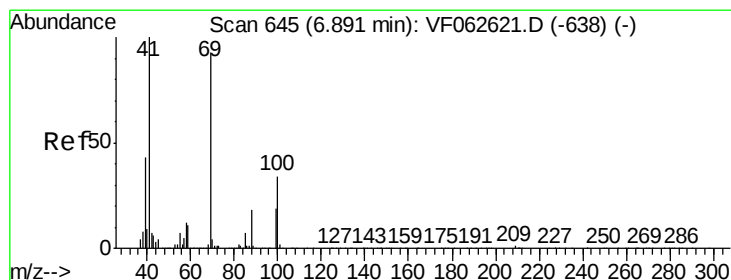
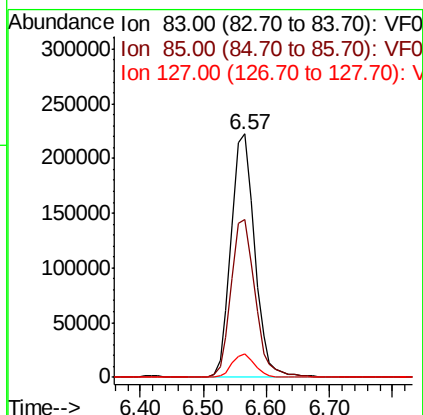
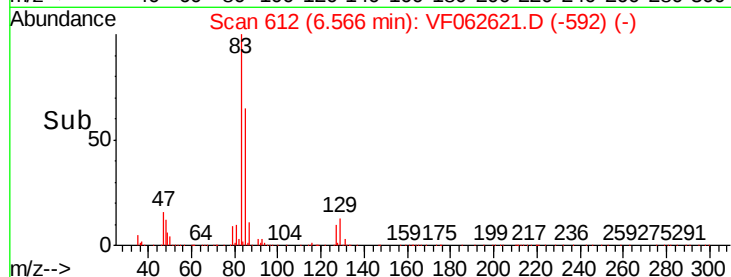
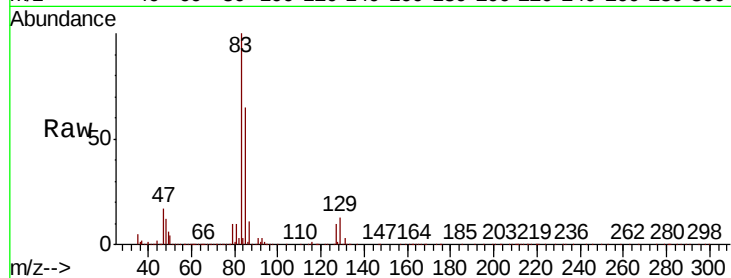
Tot Ion: 83 Resp: 575387

Ion Ratio Lower Upper

83 100

85 65.0 52.0 78.0

127 9.6 7.7 11.5



#48

Methyl methacrylate

Concen: 53.886 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

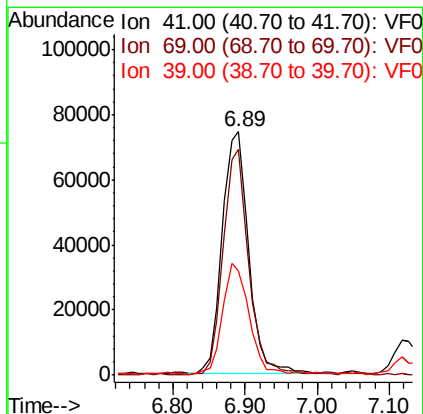
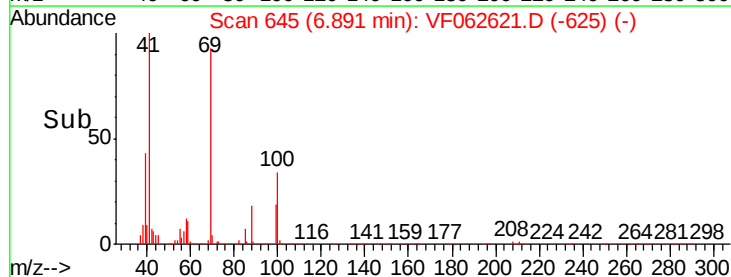
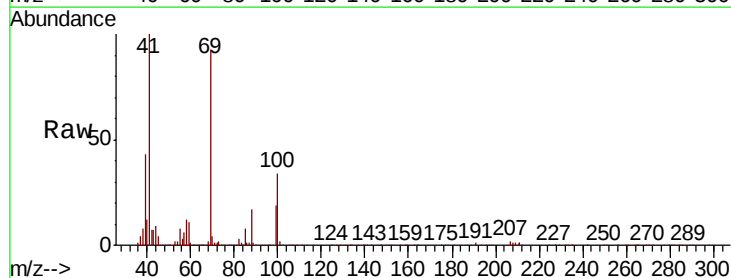
Tgt Ion: 41 Resp: 189576

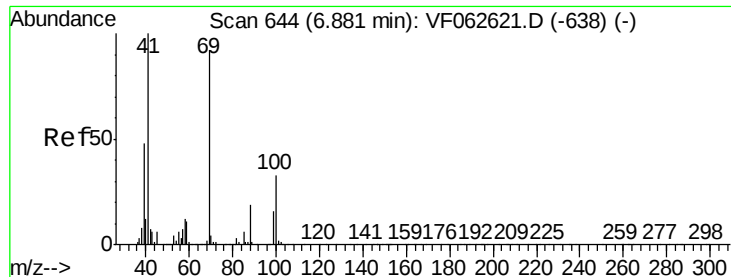
Ion Ratio Lower Upper

41 100

69 92.7 74.2 111.2

39 42.8 34.2 51.4

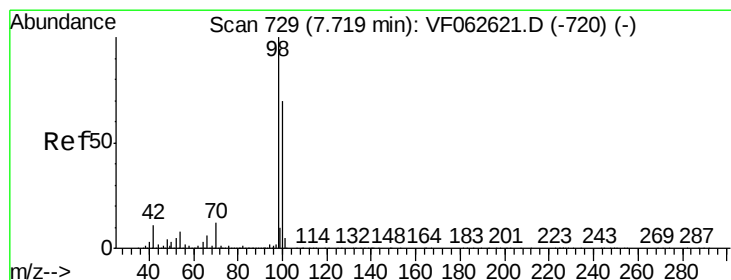
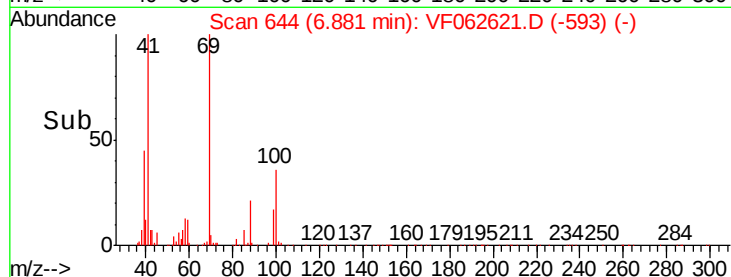
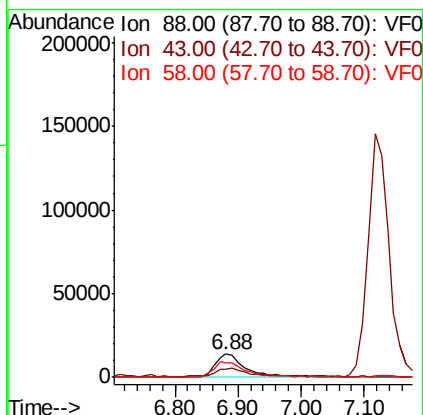
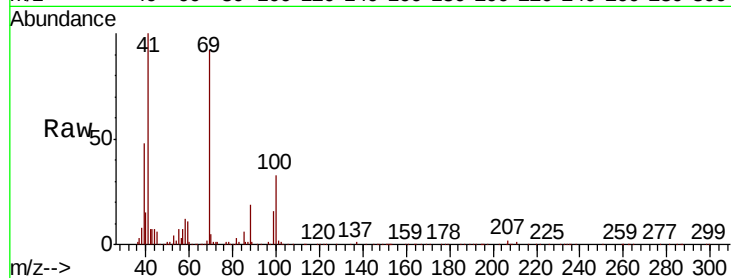




#49
1,4-Dioxane
Concen: 1075.488 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

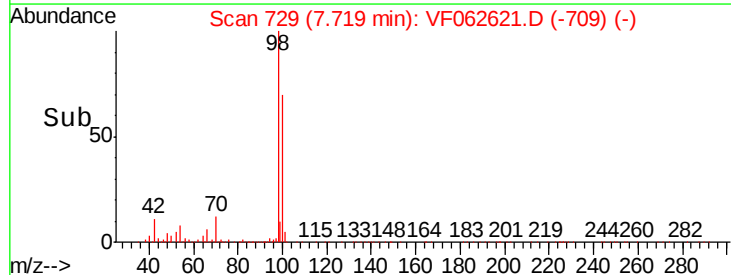
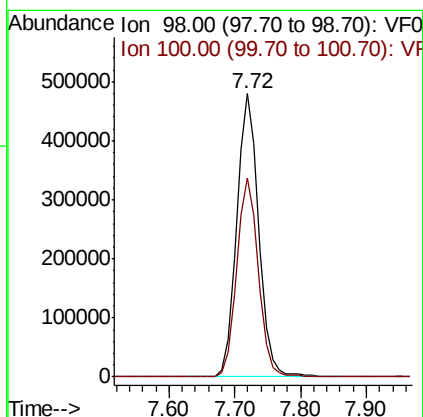
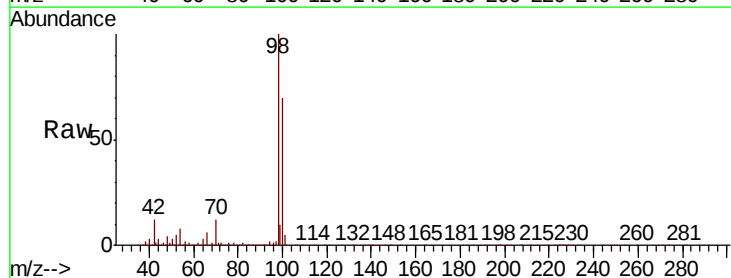
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

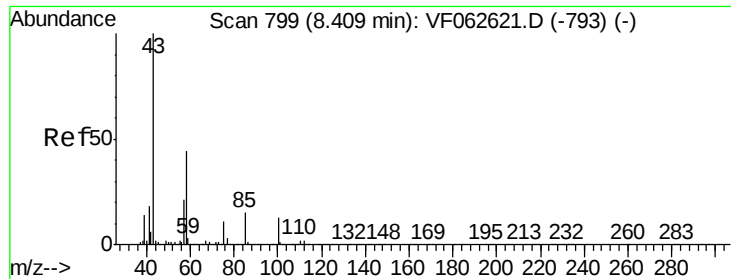
Tot Ion: 88 Resp: 48461
Ion Ratio Lower Upper
88 100
43 37.5 30.0 45.0
58 63.9 51.1 76.7



#50
Toluene-d8
Concen: 49.513 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 98 Resp: 1123322
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 244.844 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

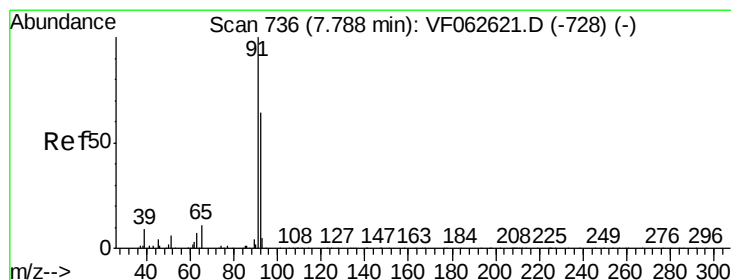
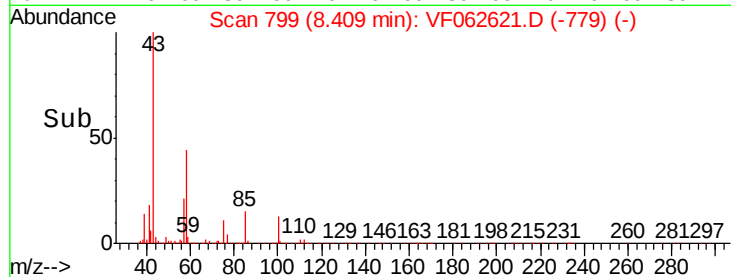
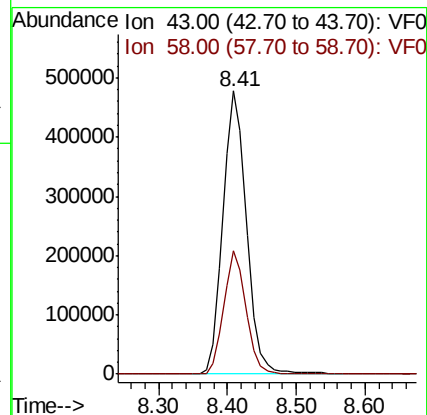
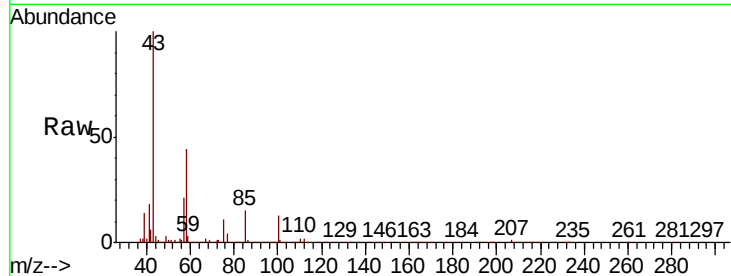
VSTDICCC050

Tot Ion: 43 Resp: 1126475

Ion Ratio Lower Upper

43 100

58 43.6 34.9 52.3



#52

Toluene

Concen: 52.928 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062621.D

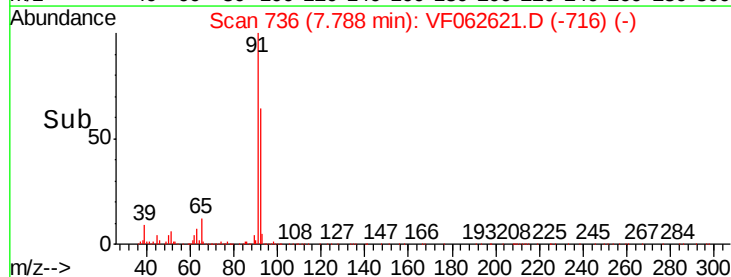
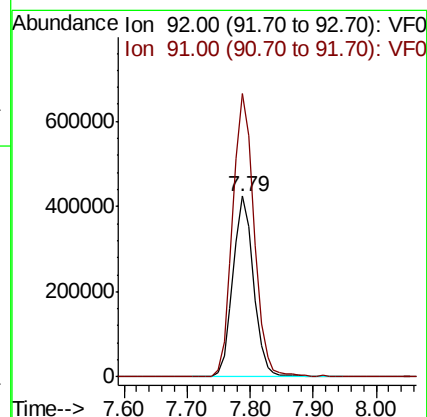
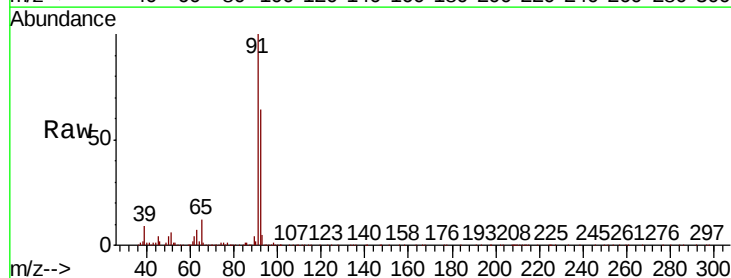
Acq: 16 May 2019 12:01

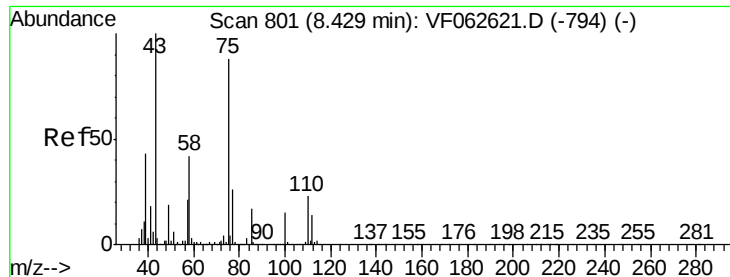
Tgt Ion: 92 Resp: 962225

Ion Ratio Lower Upper

92 100

91 156.7 125.4 188.0

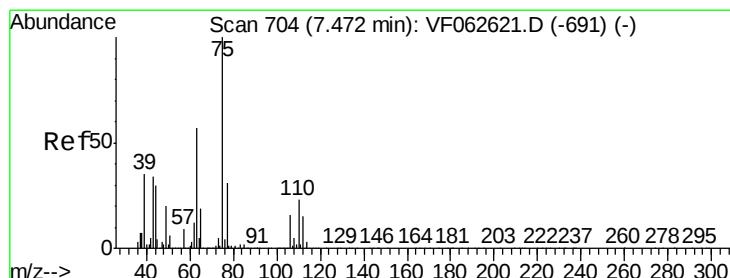
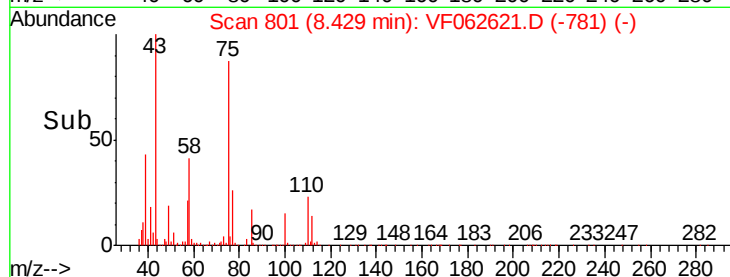
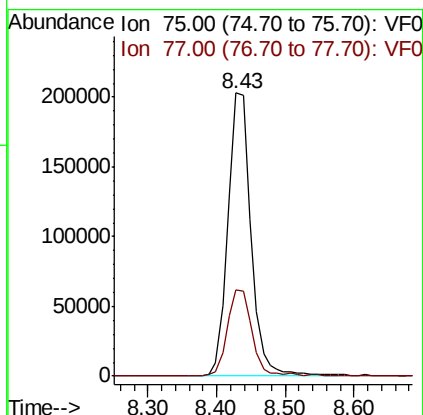
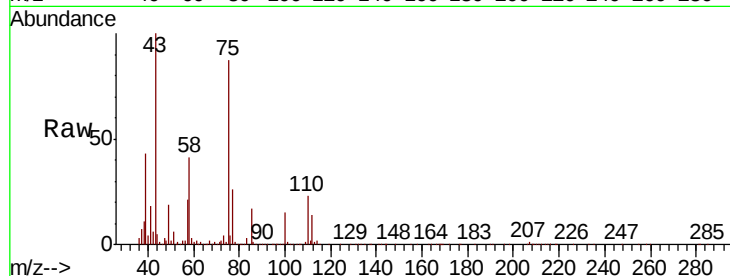




#53
t-1,3-Dichloropropene
Concen: 54.630 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

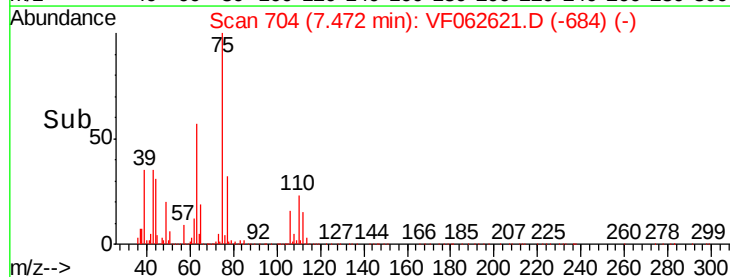
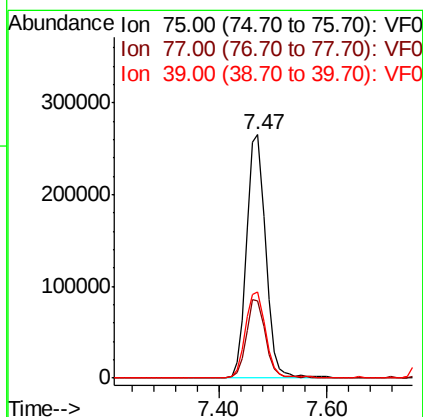
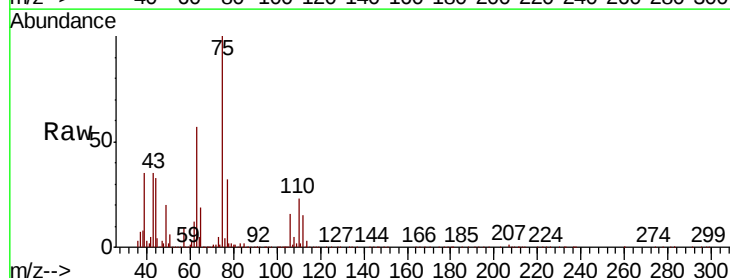
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

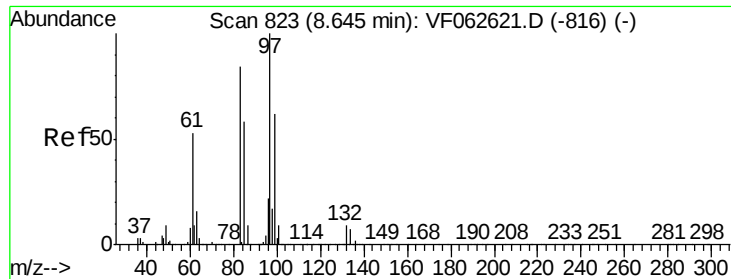
Tot Ion: 75 Resp: 469239
Ion Ratio Lower Upper
75 100
77 30.3 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 53.959 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 75 Resp: 648774
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 35.2 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 51.490 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 277160

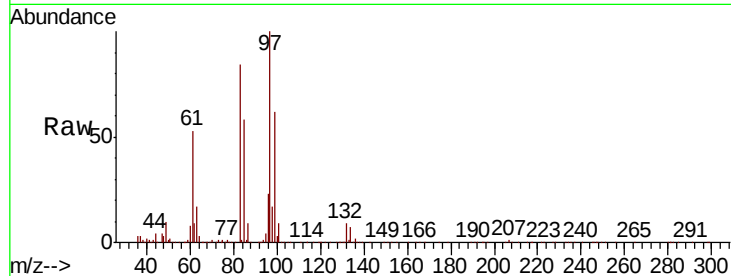
Ion Ratio Lower Upper

97 100

83 84.1 67.3 100.9

85 58.2 46.6 69.8

99 62.1 49.7 74.5

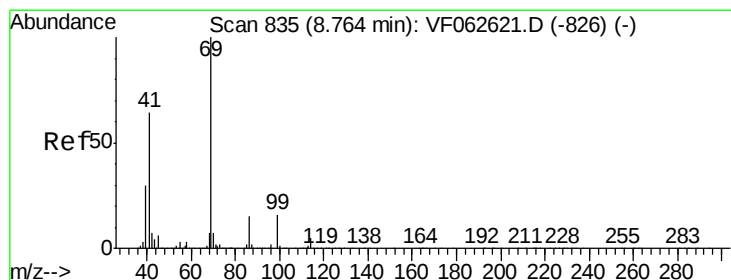
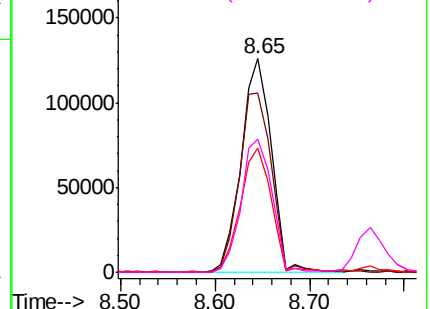
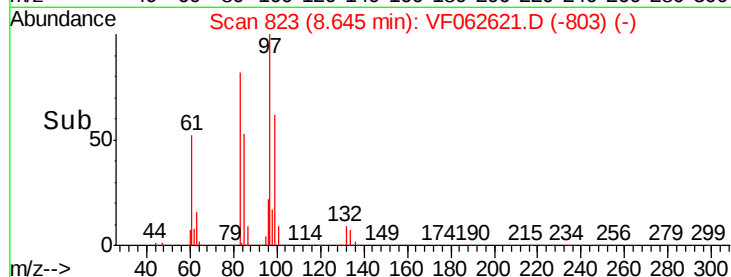


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.504 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

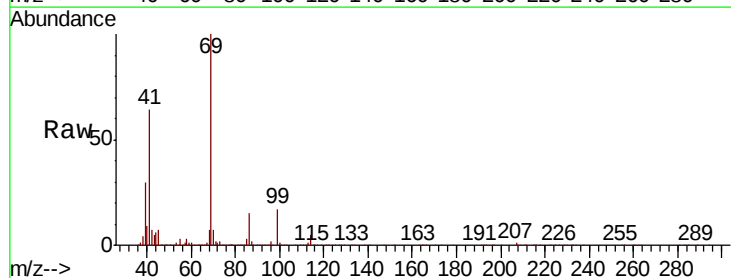
Tgt Ion: 69 Resp: 311055

Ion Ratio Lower Upper

69 100

41 64.3 51.4 77.2

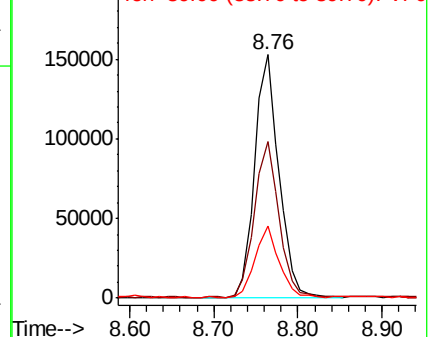
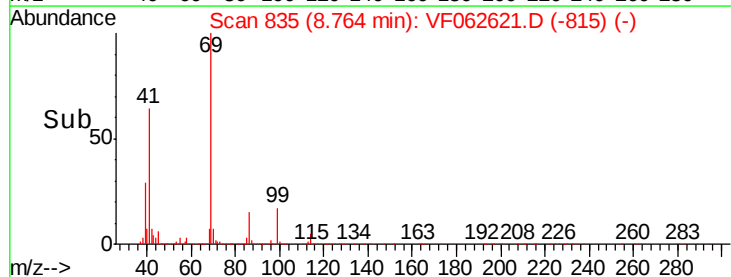
39 29.5 23.6 35.4

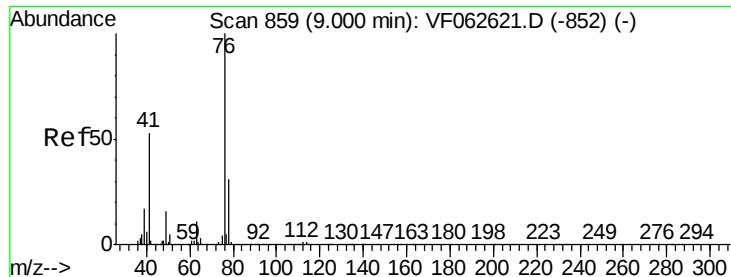


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.555 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

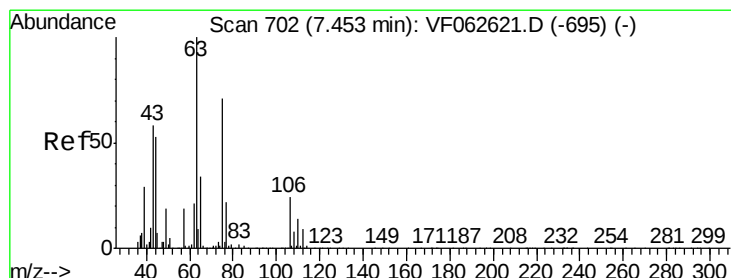
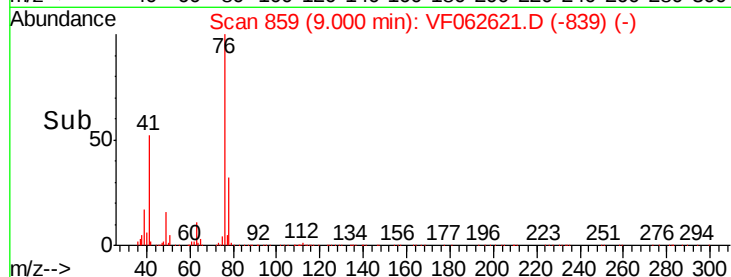
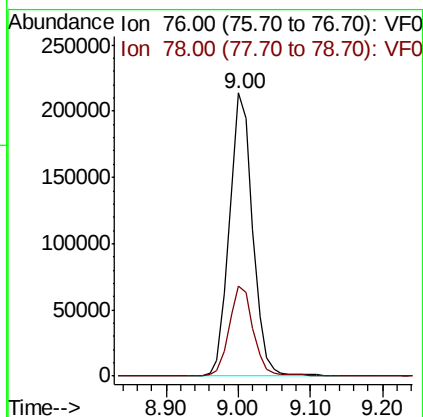
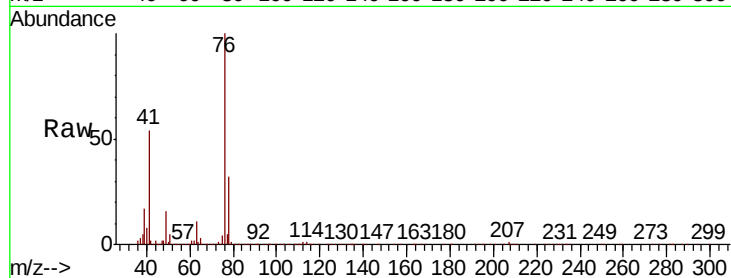
VSTDICCC050

Tot Ion: 76 Resp: 481848

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 263.110 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062621.D

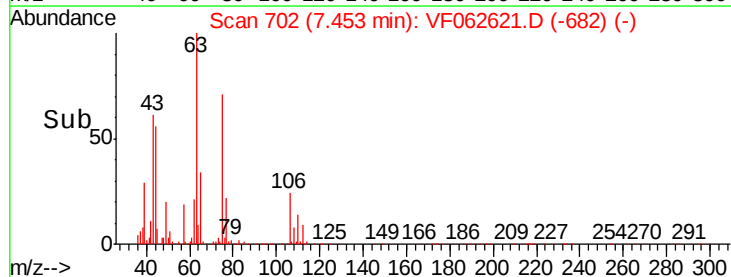
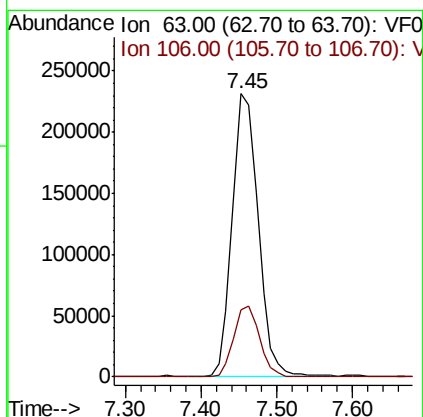
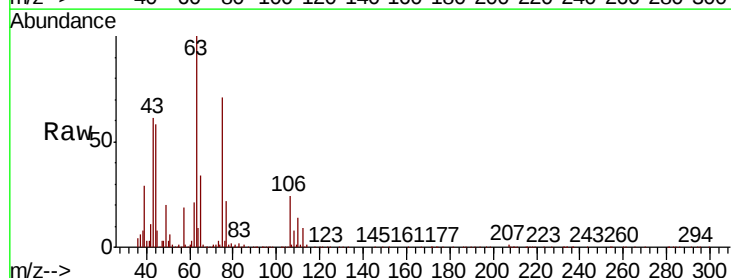
Acq: 16 May 2019 12:01

Tgt Ion: 63 Resp: 549220

Ion Ratio Lower Upper

63 100

106 23.9 19.1 28.7

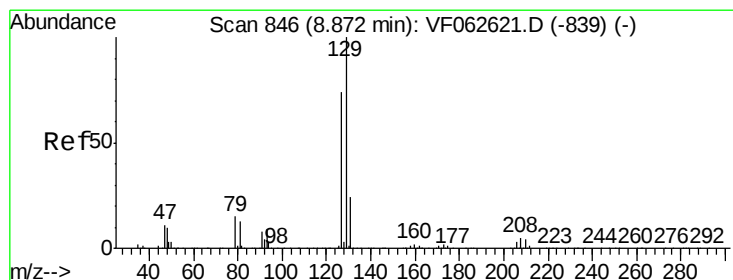
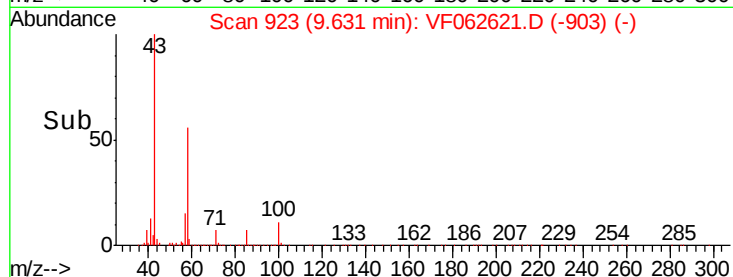
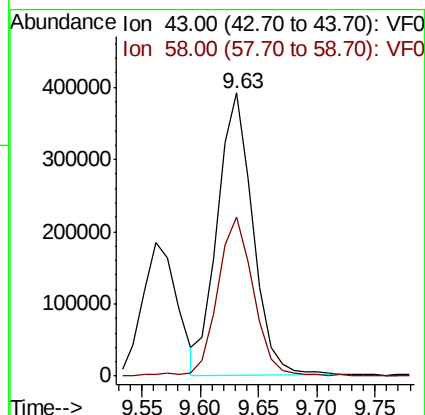
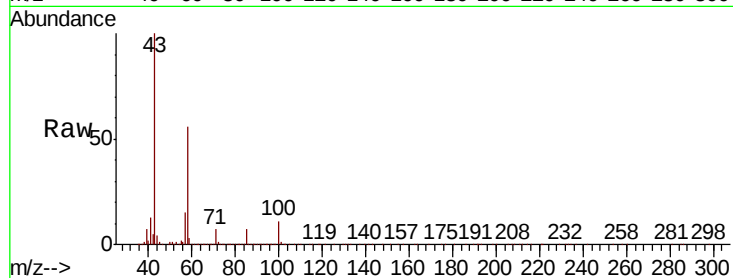




#59
2-Hexanone
Concen: 243.618 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

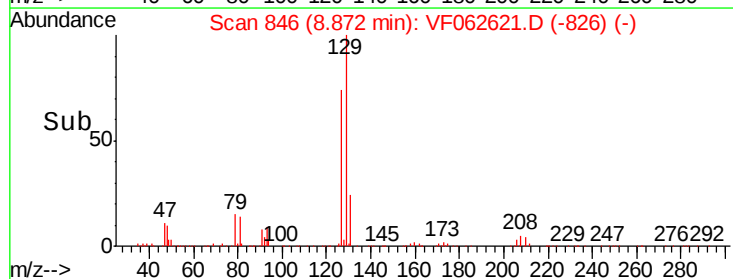
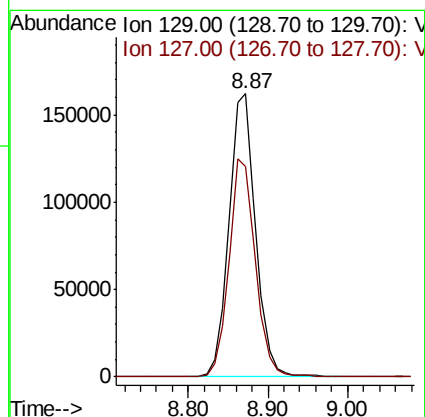
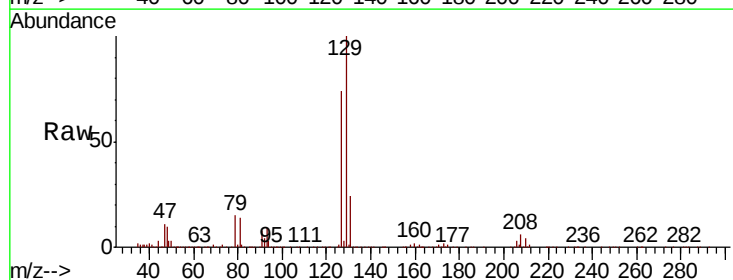
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

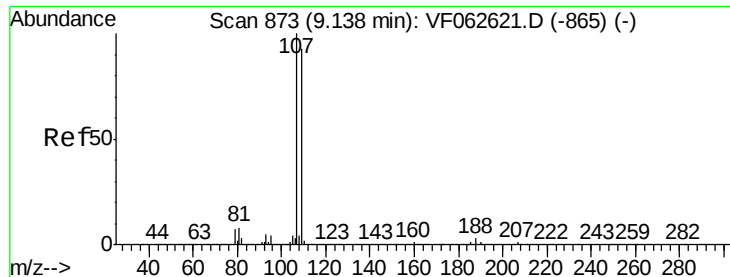
Tot Ion: 43 Resp: 819490
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.4



#60
Dibromochloromethane
Concen: 54.269 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 129 Resp: 380724
Ion Ratio Lower Upper
129 100
127 74.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 52.108 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

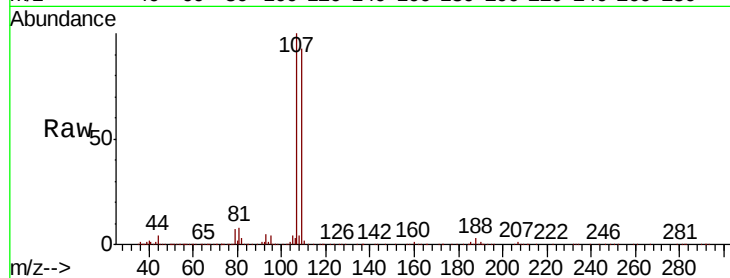
VSTDICCC050

Tot Ion:107 Resp: 297918

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

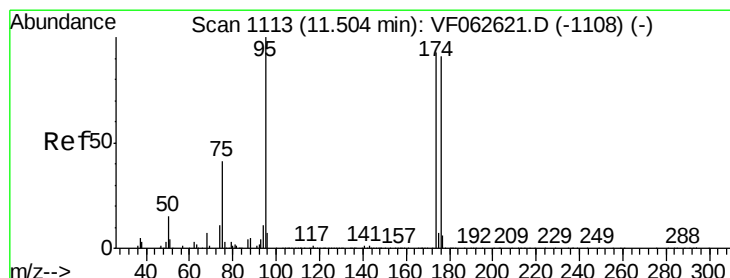
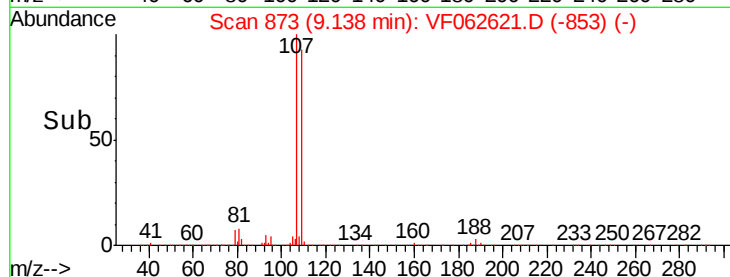
150000

100000

50000

0

Time--> 9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 48.342 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

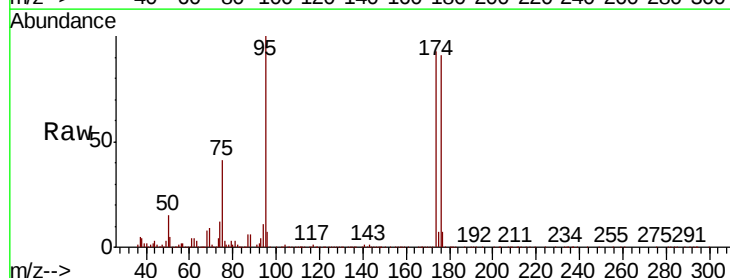
Tgt Ion: 95 Resp: 415965

Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.6

176 91.2 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

300000

250000

200000

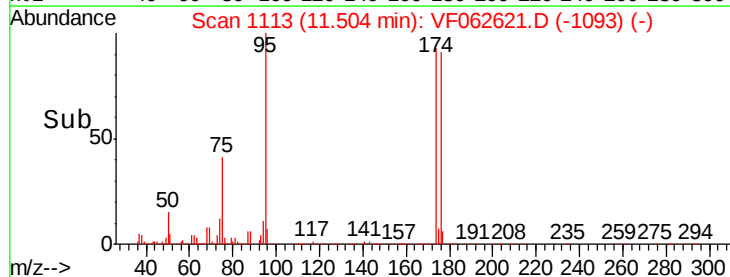
150000

100000

50000

0

Time--> 11.45 11.50 11.55

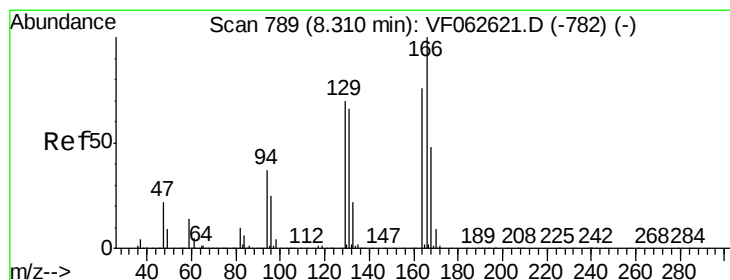
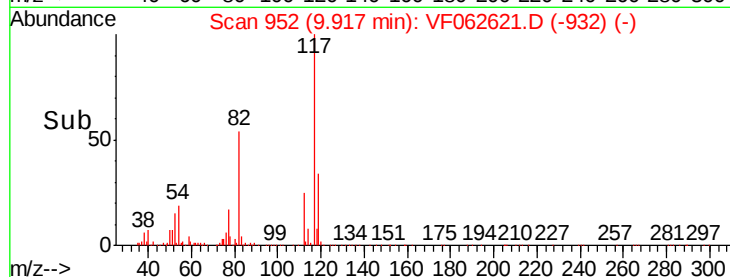
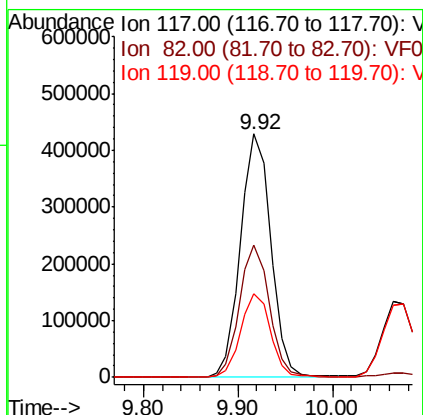
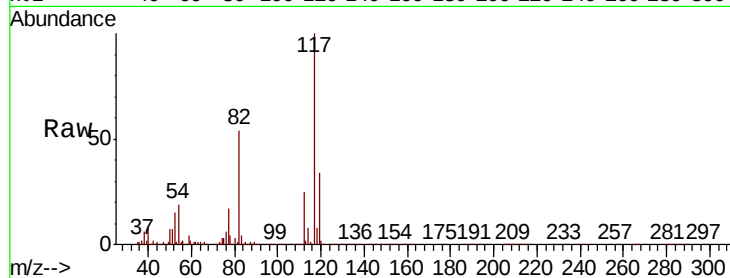




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

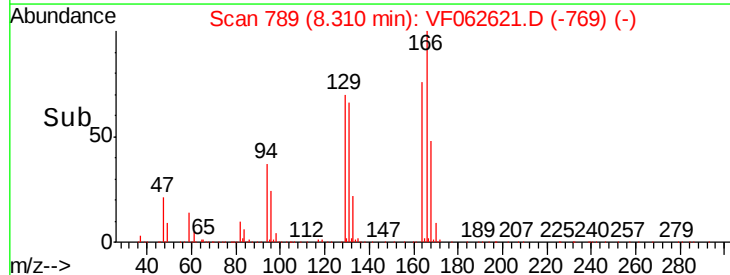
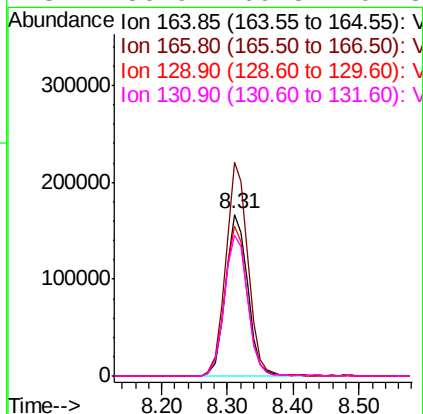
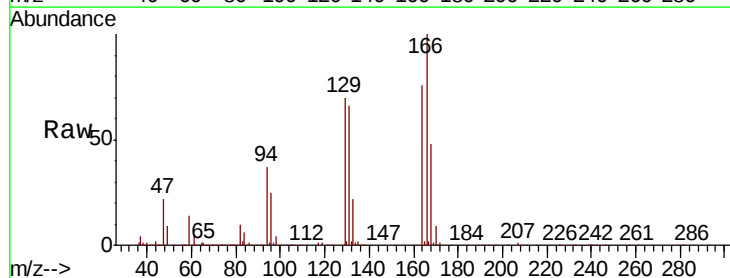
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

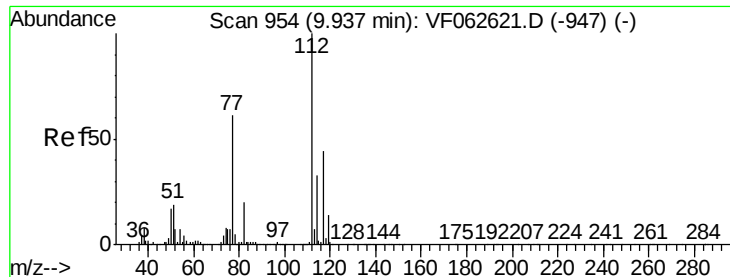
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.3	64.9
119	34.2	27.4	41.0



#64
Tetrachloroethene
Concen: 52.114 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	105.5	158.3
129	92.2	73.8	110.6
131	86.9	69.5	104.3





#65

Chlorobenzene

Concen: 53.990 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

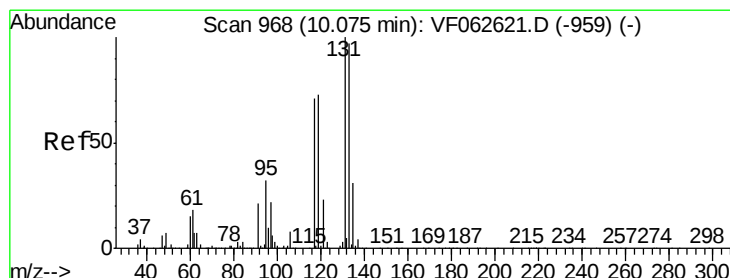
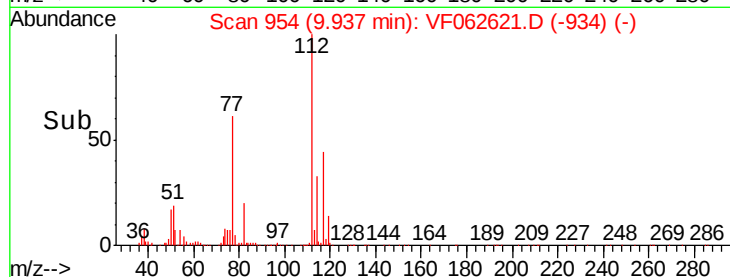
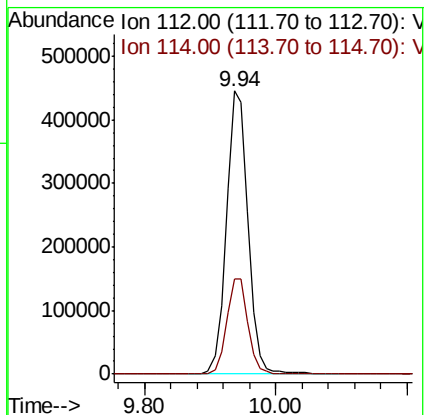
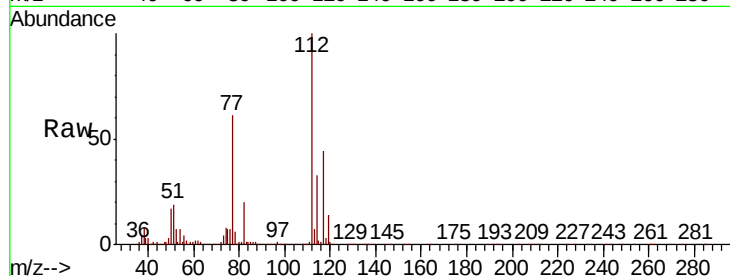
VSTDICCC050

Tot Ion:112 Resp: 1018219

Ion Ratio Lower Upper

112 100

114 33.5 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 54.512 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

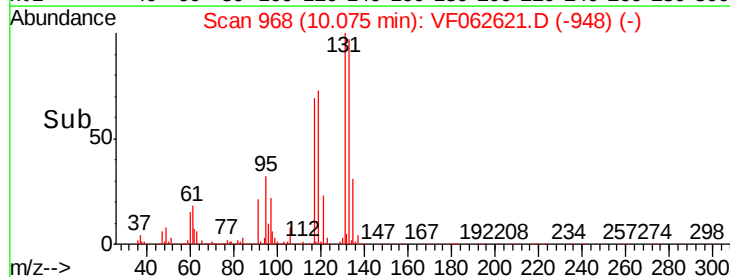
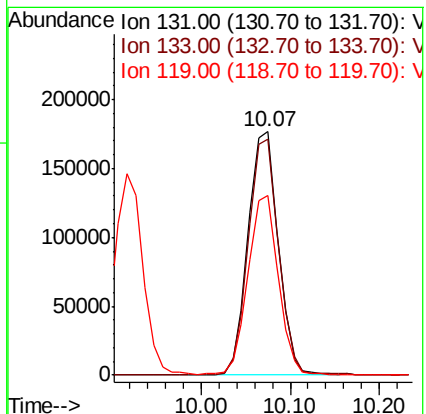
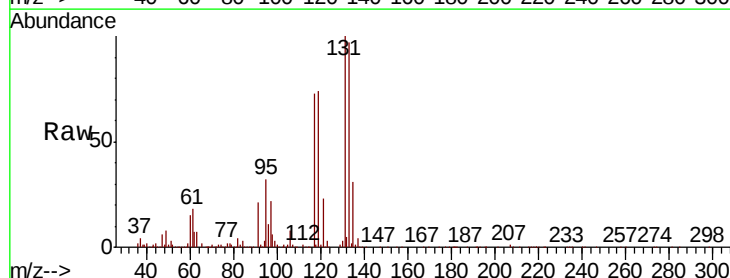
Tgt Ion:131 Resp: 412711

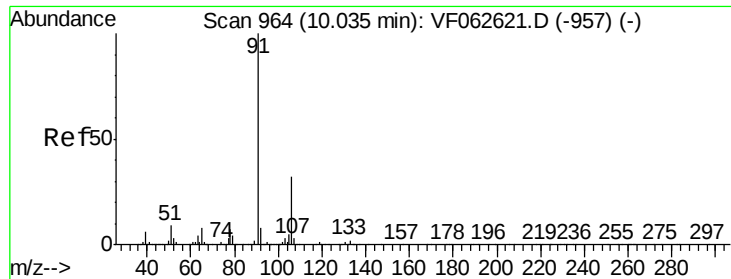
Ion Ratio Lower Upper

131 100

133 97.0 48.5 145.5

119 73.6 36.8 110.4

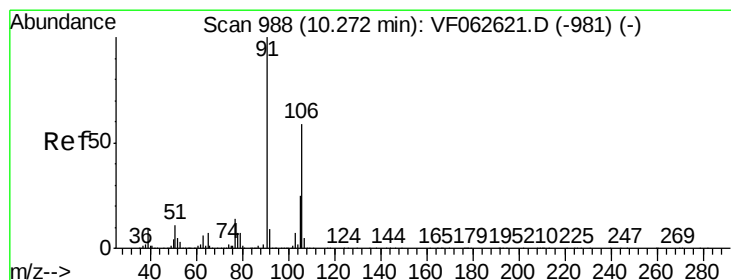
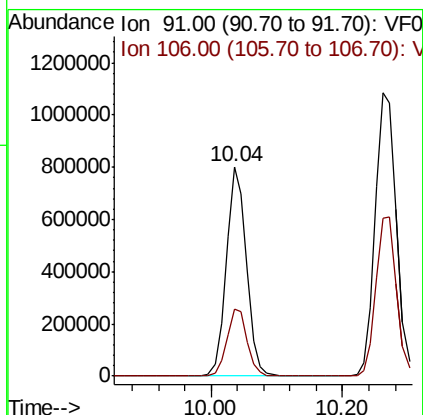
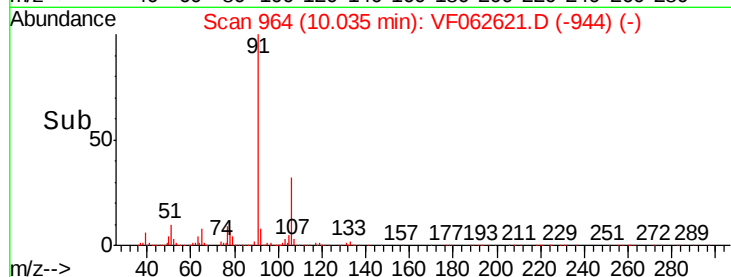
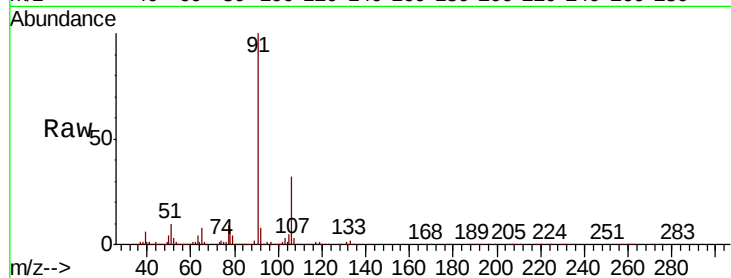




#67
Ethyl Benzene
Concen: 52.532 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

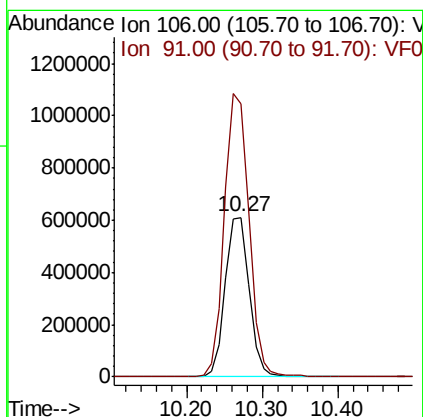
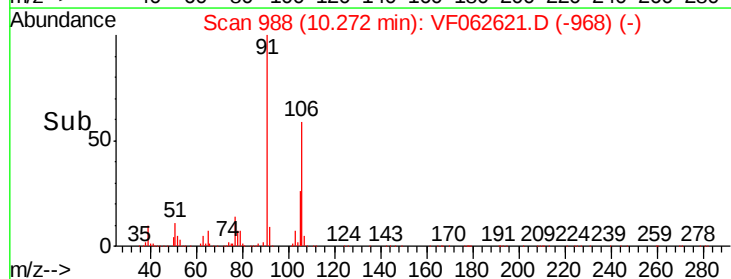
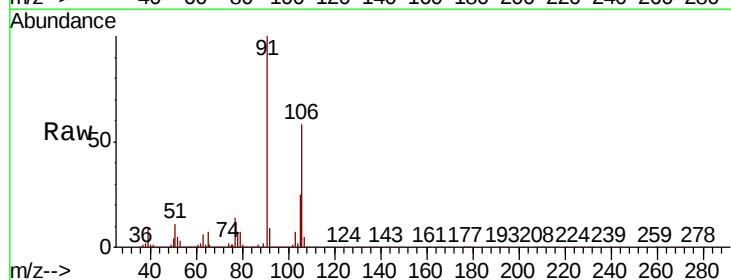
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

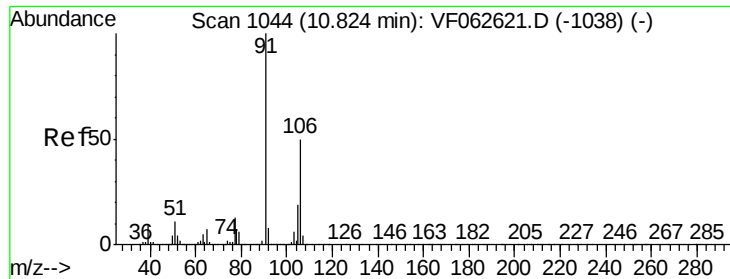
Tot Ion: 91 Resp: 1721114
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.8



#68
m/p-Xylenes
Concen: 108.911 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 106 Resp: 1341100
Ion Ratio Lower Upper
106 100
91 171.1 136.9 205.3

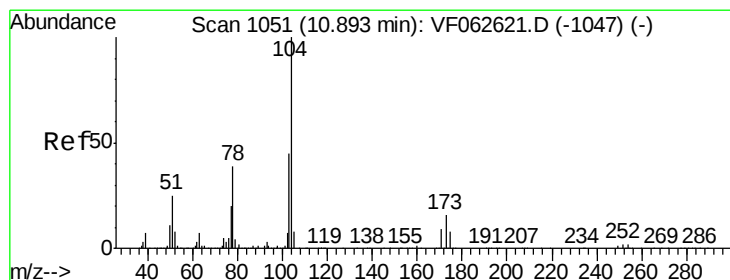
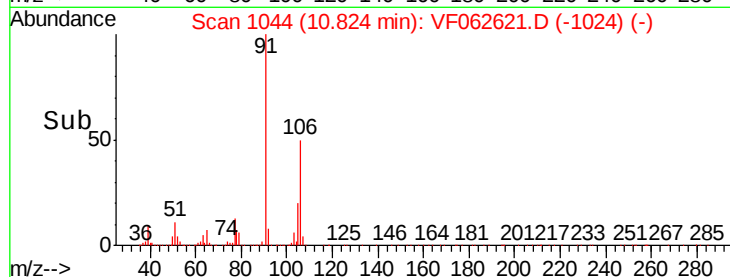
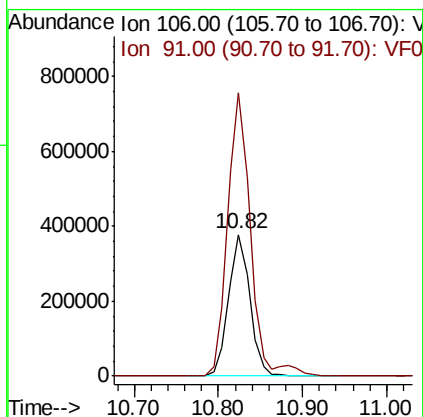
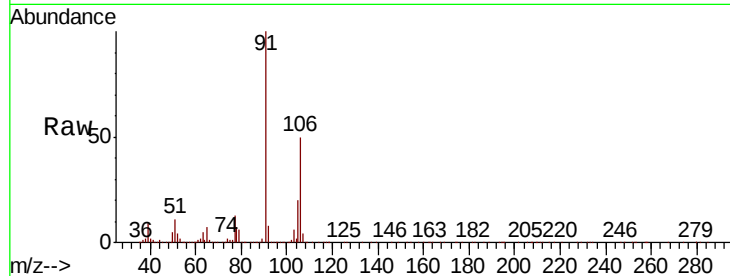




#69
o-Xylene
Concen: 52.981 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

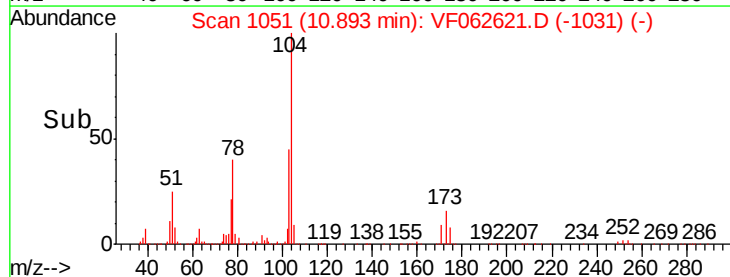
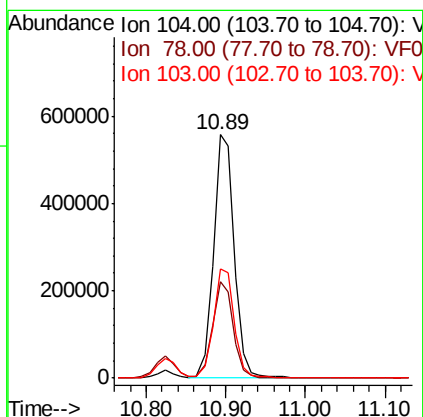
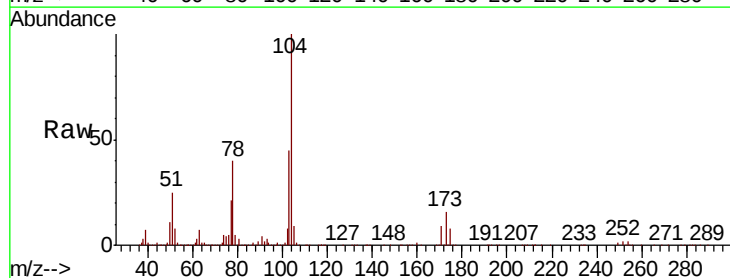
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

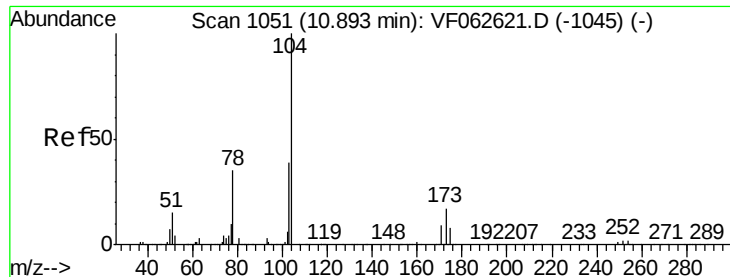
Tot Ion:106 Resp: 671970
Ion Ratio Lower Upper
106 100
91 200.3 100.2 300.5



#70
Styrene
Concen: 52.812 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion:104 Resp: 1018096
Ion Ratio Lower Upper
104 100
78 39.9 31.9 47.9
103 45.1 36.1 54.1





#71

Bromoform

Concen: 50.895 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

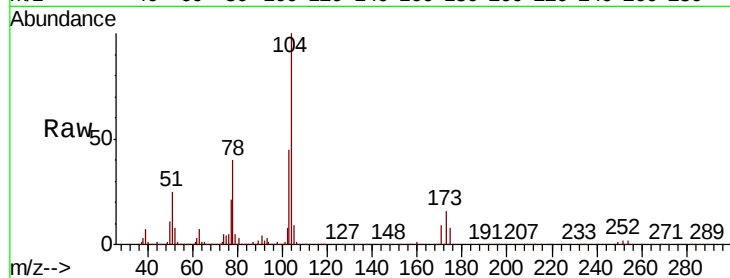
Tot Ion:173 Resp: 192987

Ion Ratio Lower Upper

173 100

175 50.6 25.3 75.9

254 0.2 0.2 0.2#

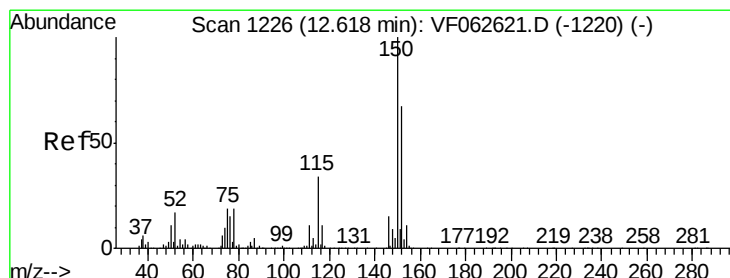
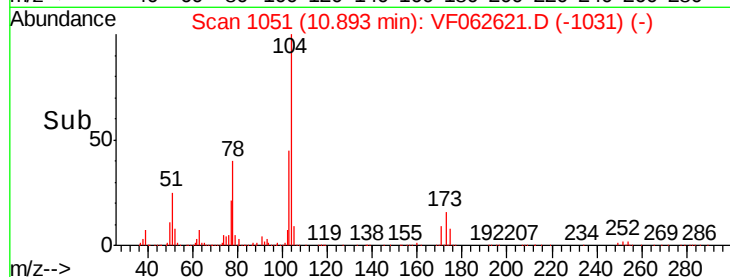
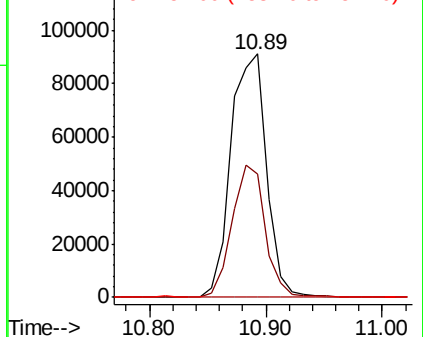


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

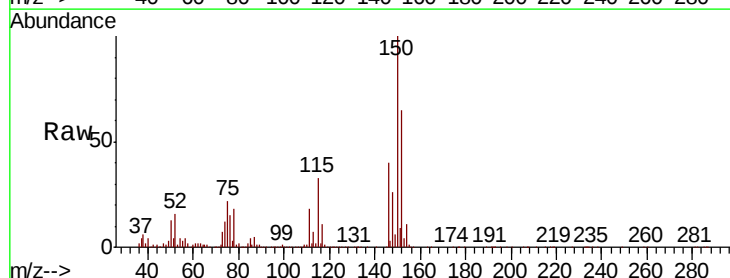
Tgt Ion:152 Resp: 500587

Ion Ratio Lower Upper

152 100

115 50.4 25.2 75.6

150 153.1 0.0 306.2

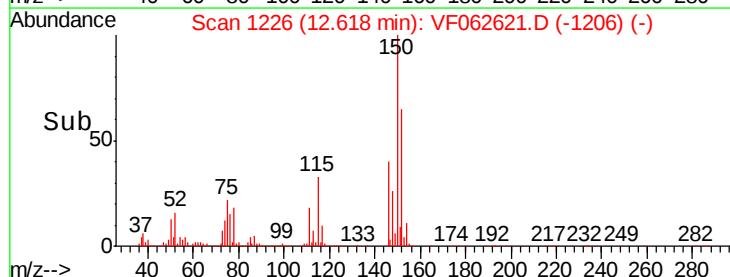
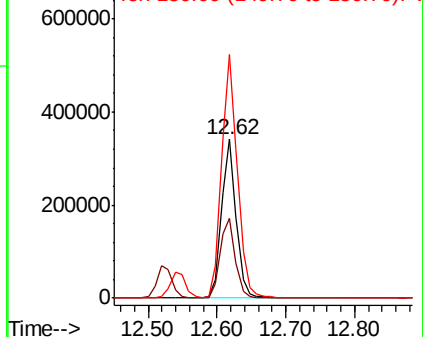


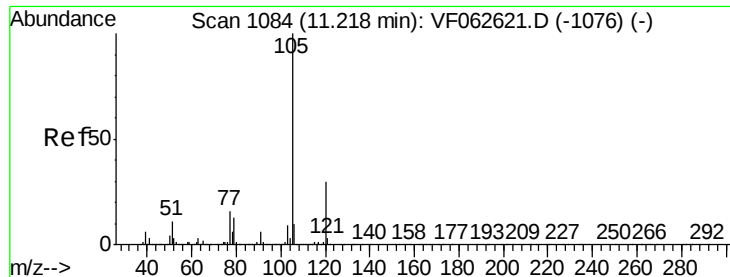
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.490 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

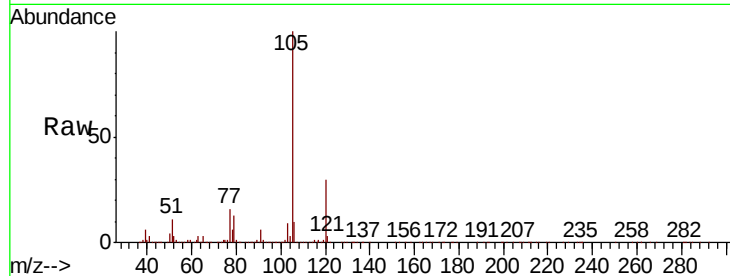
VSTDICCC050

Tot Ion:105 Resp: 1775600

Ion Ratio Lower Upper

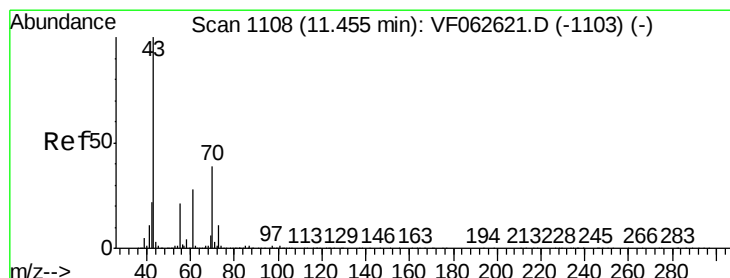
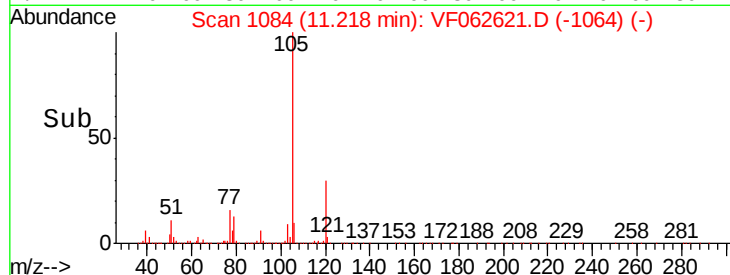
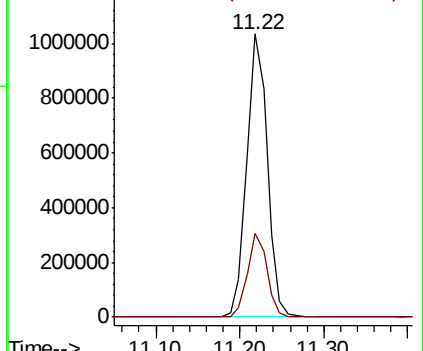
105 100

120 29.6 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.122 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Tgt Ion: 43 Resp: 466228

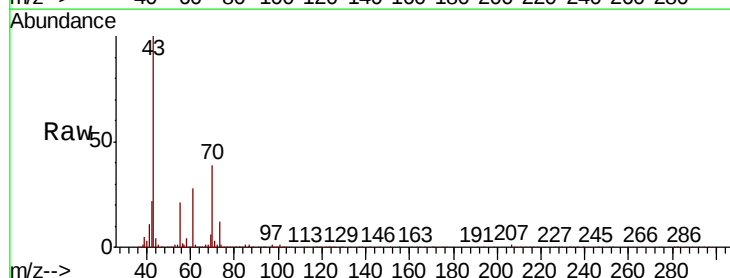
Ion Ratio Lower Upper

43 100

70 38.6 30.9 46.3

55 21.2 17.0 25.4

61 28.3 22.6 34.0

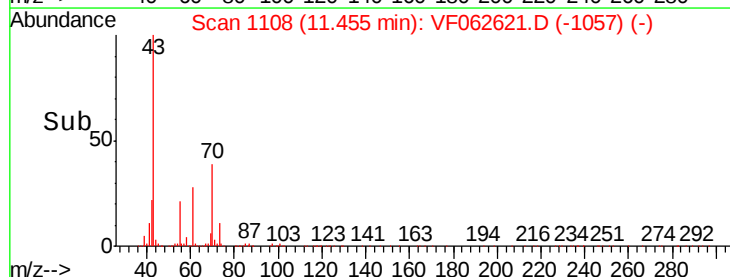
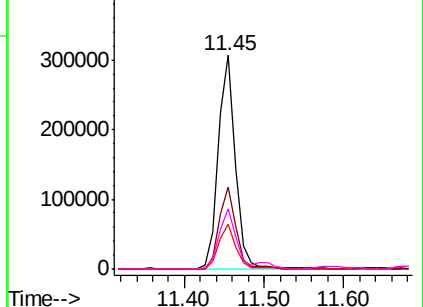


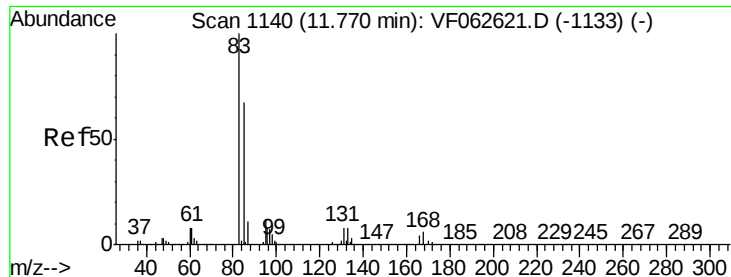
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.807 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

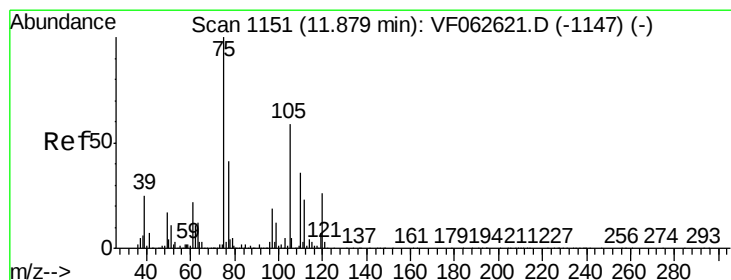
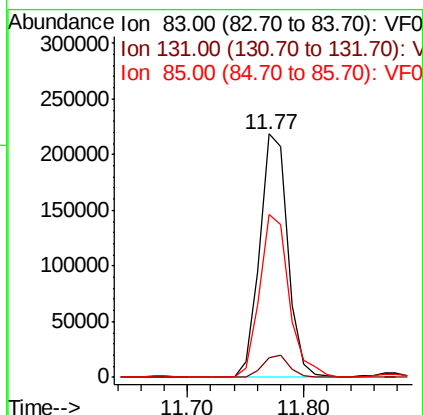
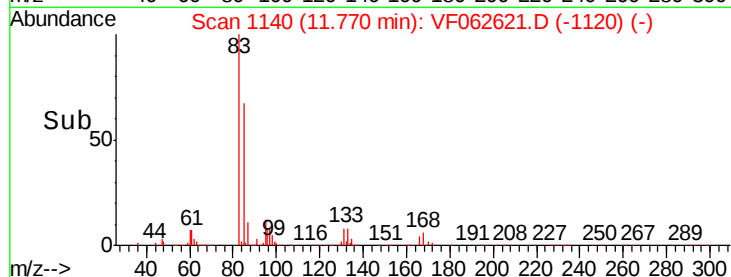
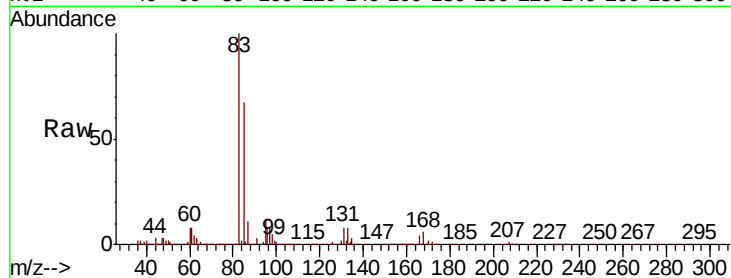
Tot Ion: 83 Resp: 365190

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.0

85 67.0 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 50.622 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062621.D

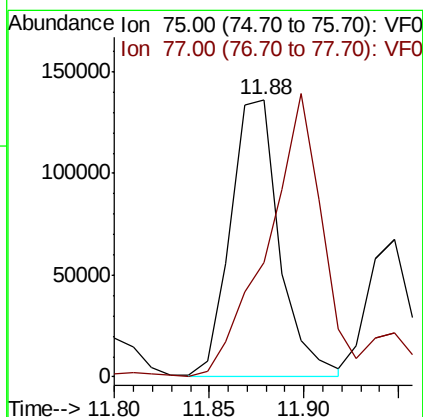
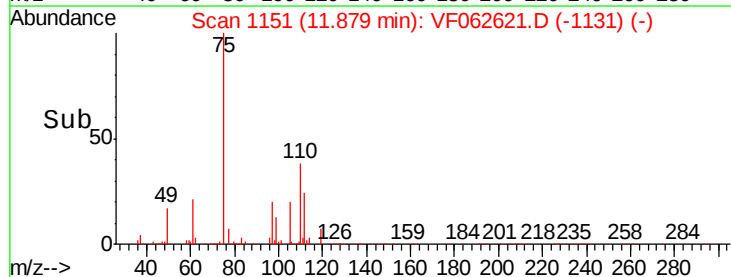
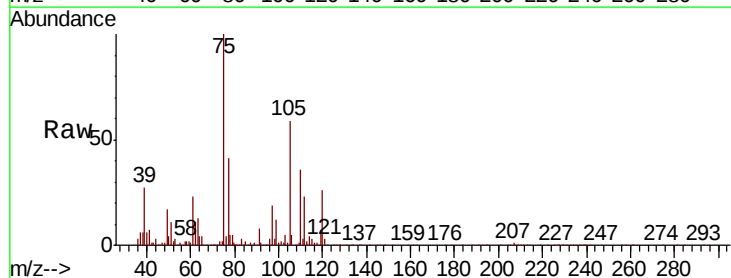
Acq: 16 May 2019 12:01

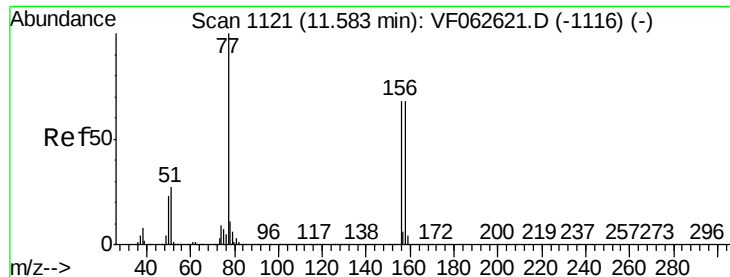
Tgt Ion: 75 Resp: 243882

Ion Ratio Lower Upper

75 100

77 41.2 20.6 61.8





#77

Bromobenzene

Concen: 52.152 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

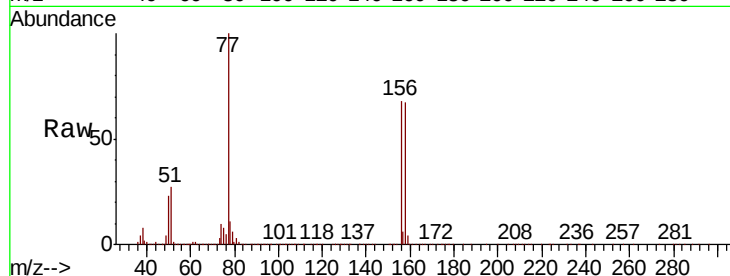
Tot Ion:156 Resp: 465097

Ion Ratio Lower Upper

156 100

77 147.2 73.6 220.8

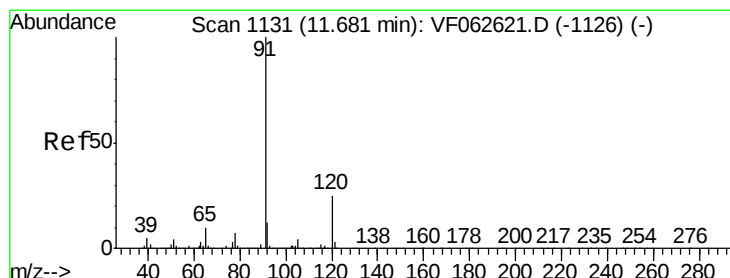
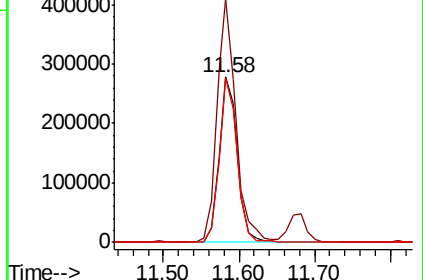
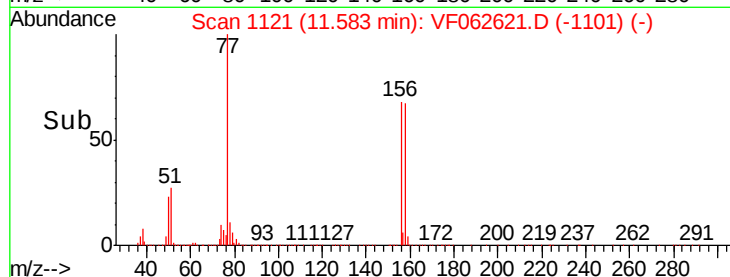
158 99.2 49.6 148.8



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: 50.864 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062621.D

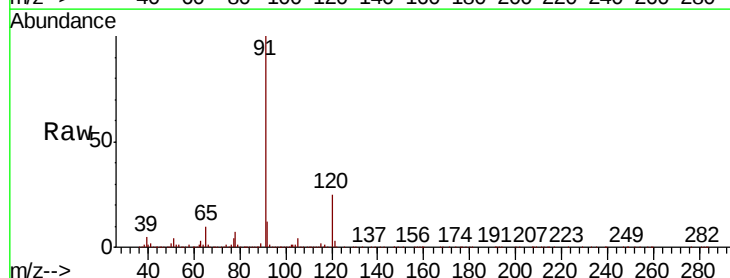
Acq: 16 May 2019 12:01

Tgt Ion: 91 Resp: 2159711

Ion Ratio Lower Upper

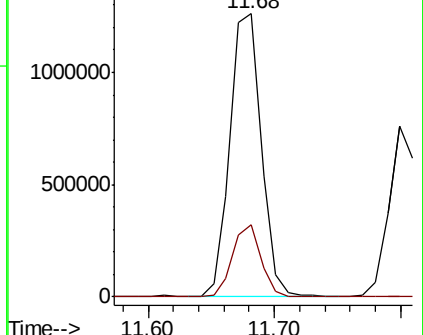
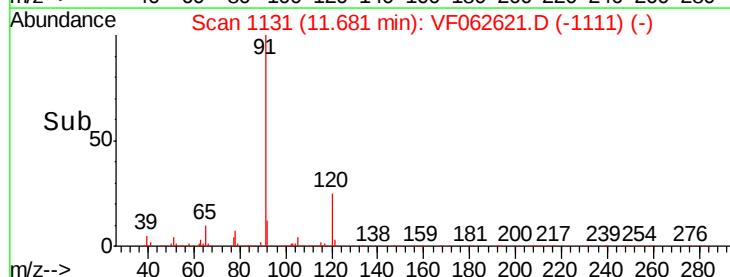
91 100

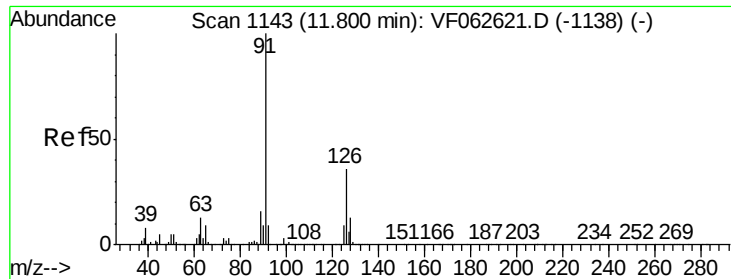
120 25.4 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

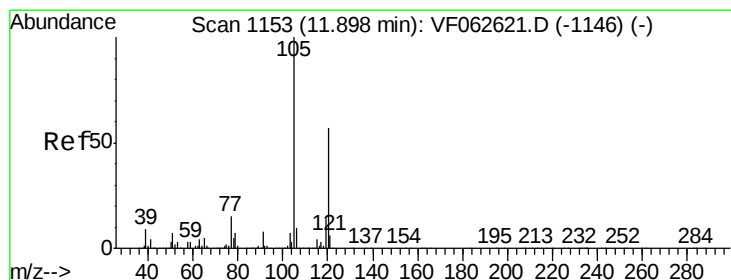
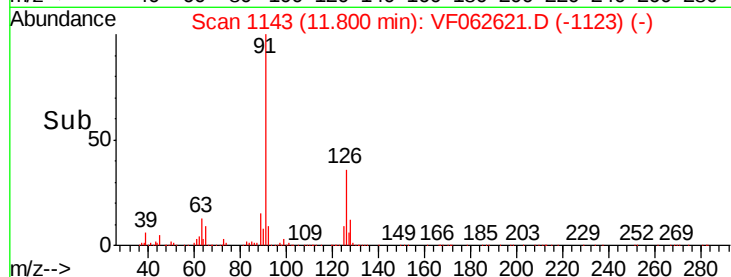
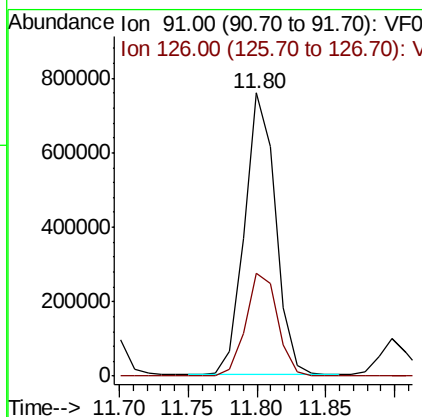
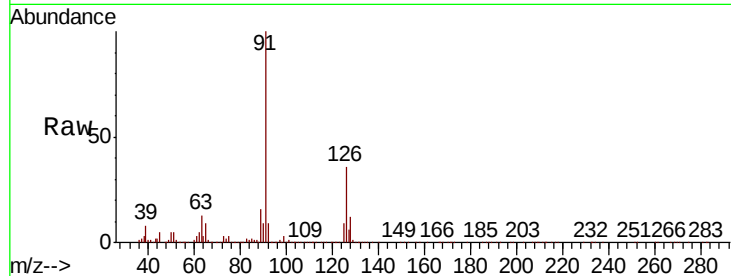




#79
 2-Chlorotoluene
 Concen: 49.915 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

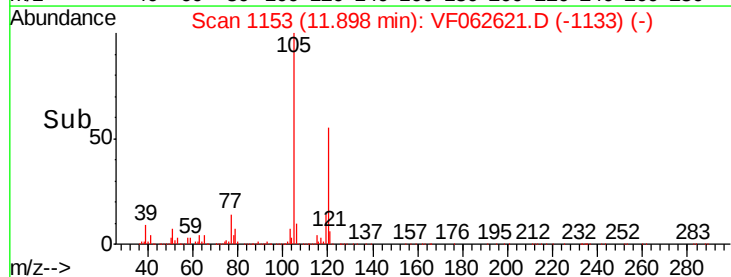
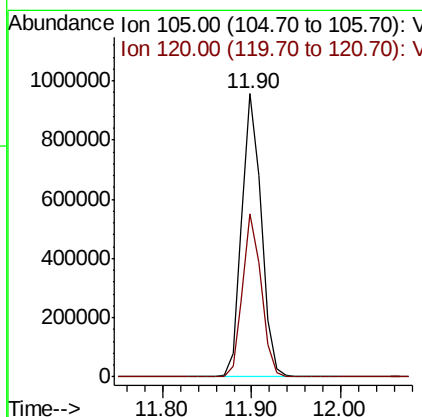
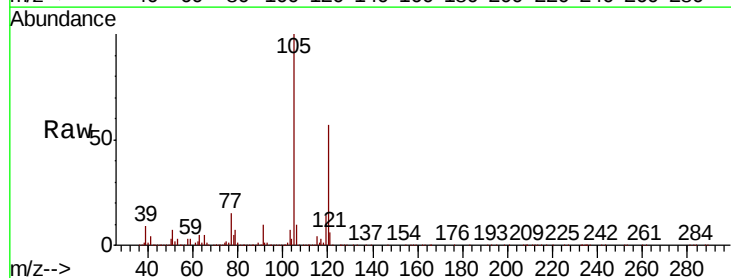
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

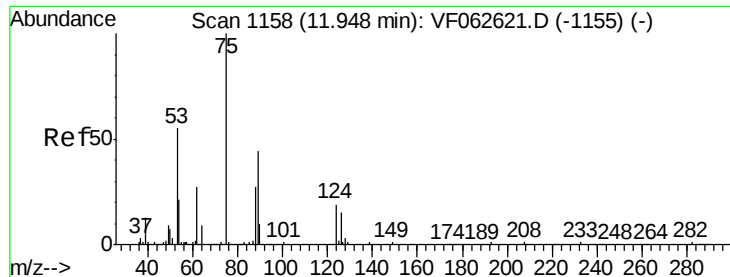
Tot Ion: 91 Resp: 1194431
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.589 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion:105 Resp: 1455355
 Ion Ratio Lower Upper
 105 100
 120 57.5 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.687 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

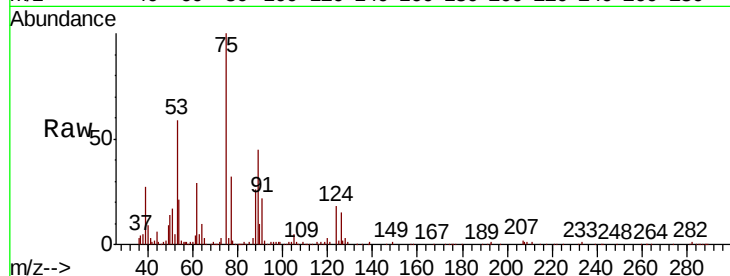
Tot Ion: 75 Resp: 135672

Ion Ratio Lower Upper

75 100

53 58.6 46.9 70.3

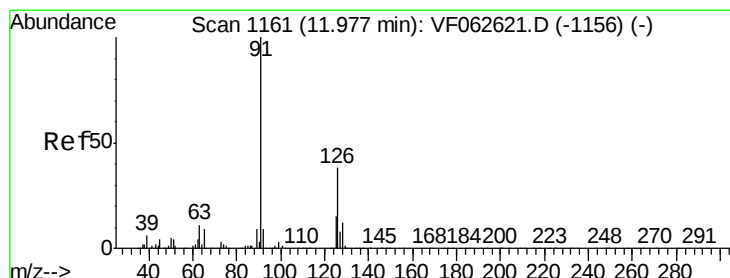
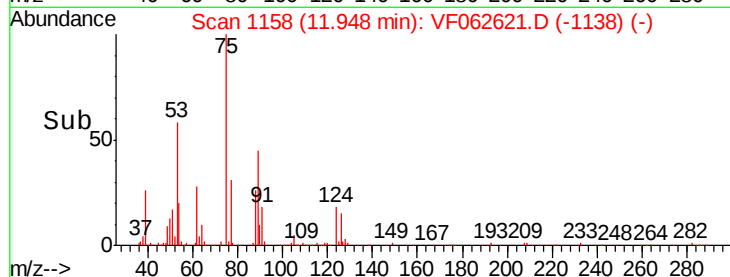
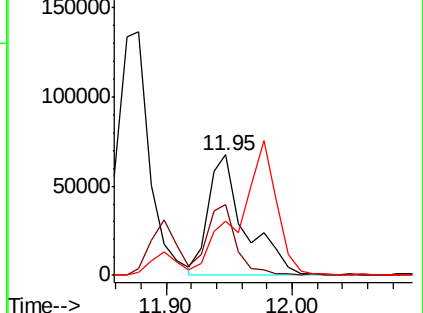
89 45.5 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.521 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062621.D

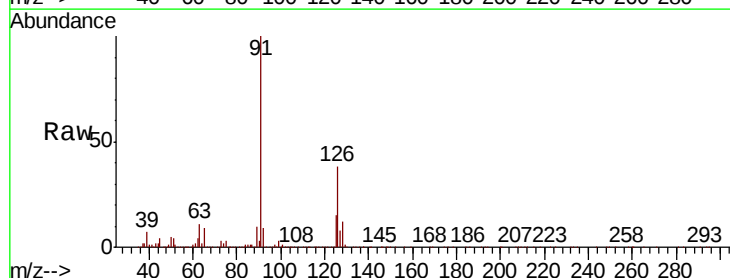
Acq: 16 May 2019 12:01

Tgt Ion: 91 Resp: 1215752

Ion Ratio Lower Upper

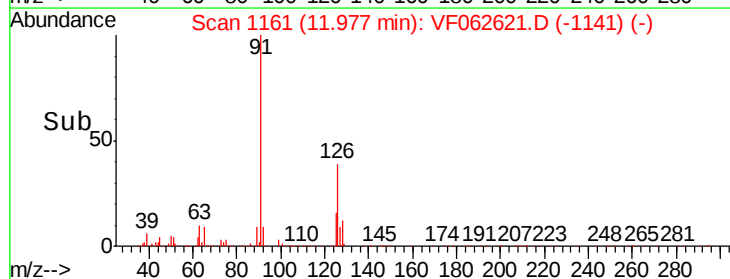
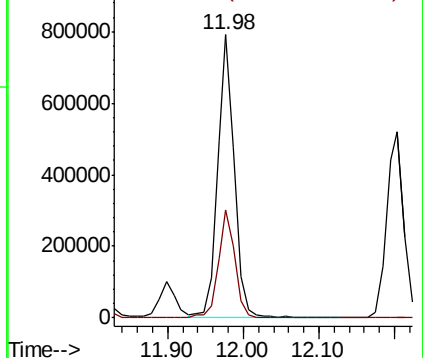
91 100

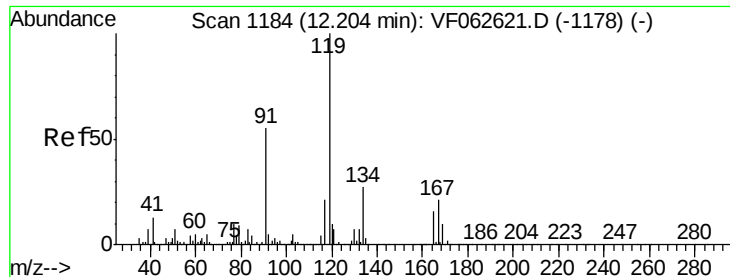
126 38.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 51.710 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

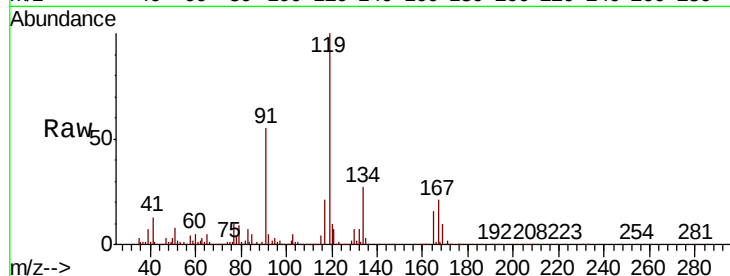
Tot Ion:119 Resp: 1509254

Ion Ratio Lower Upper

119 100

91 54.6 27.3 81.9

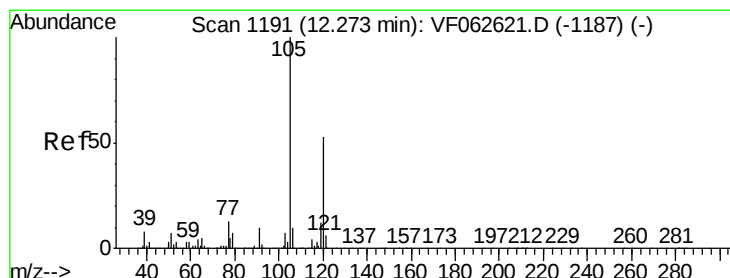
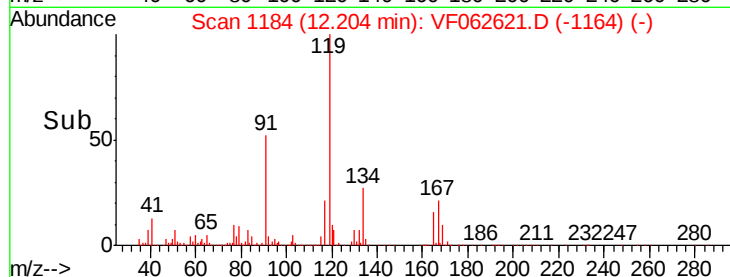
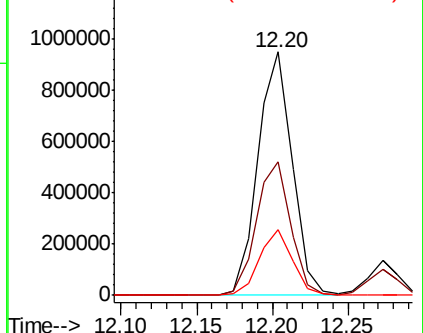
134 27.1 13.6 40.7



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: 50.482 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062621.D

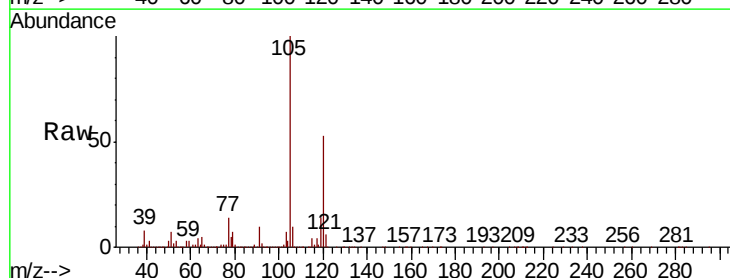
Acq: 16 May 2019 12:01

Tgt Ion:105 Resp: 1405638

Ion Ratio Lower Upper

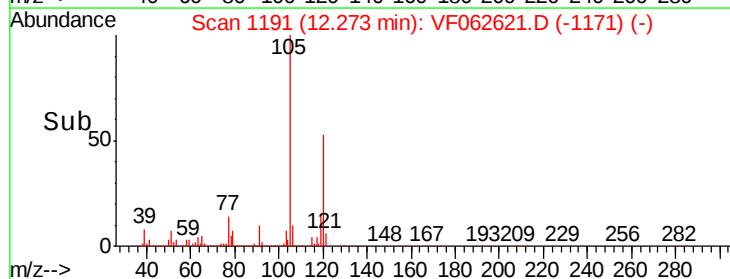
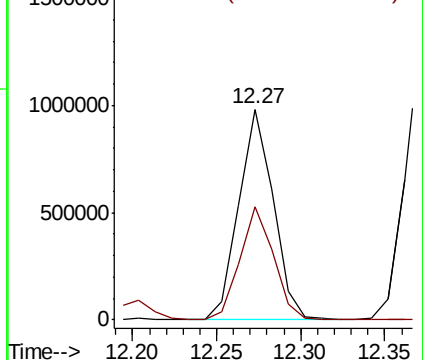
105 100

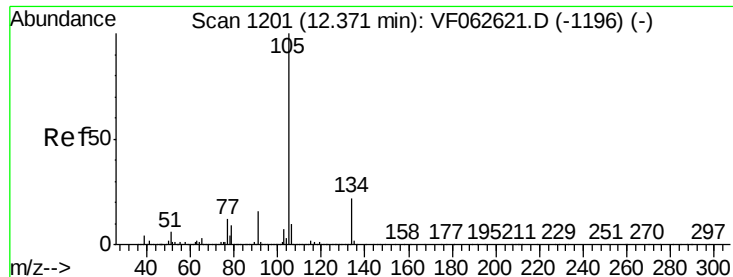
120 53.4 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.467 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

Instrument :

MSVOA_F

ClientSampleId :

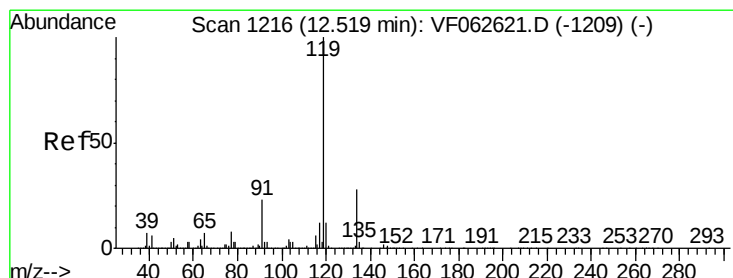
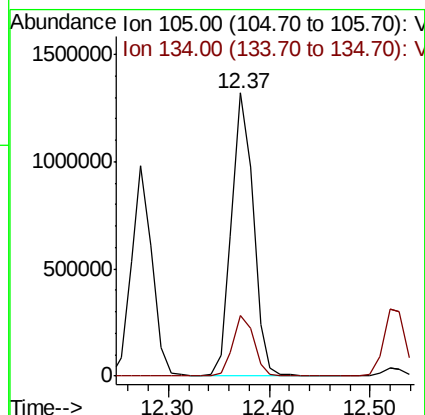
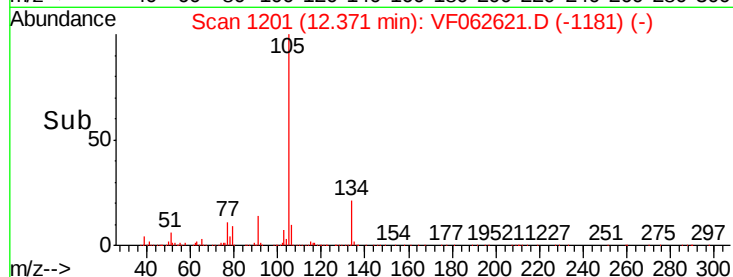
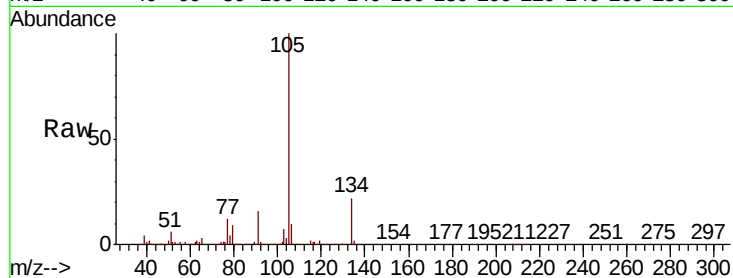
VSTDICCC050

Tot Ion:105 Resp: 1976790

Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4



#86

p-Isopropyltoluene

Concen: 50.383 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062621.D

Acq: 16 May 2019 12:01

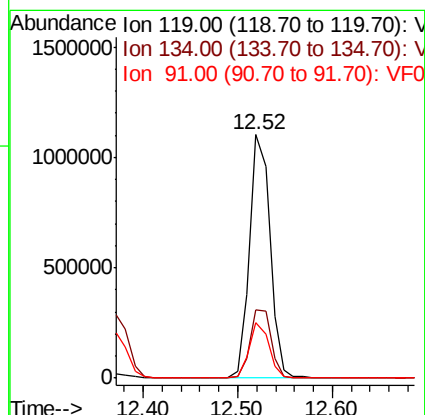
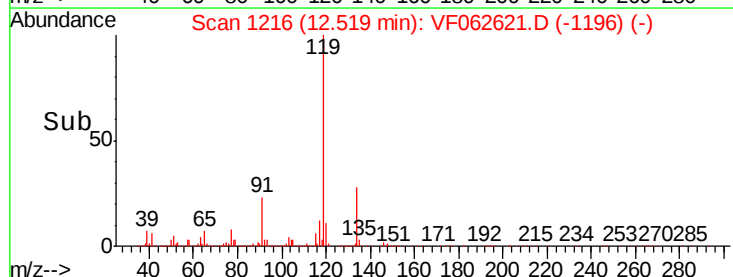
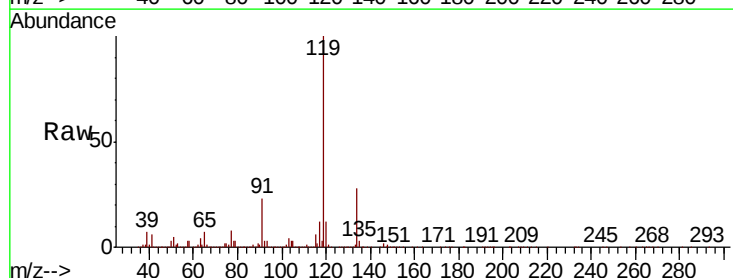
Tgt Ion:119 Resp: 1663168

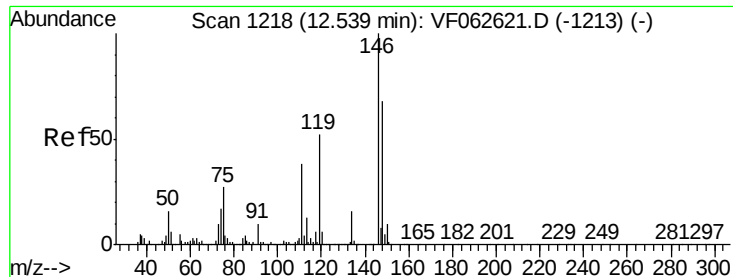
Ion Ratio Lower Upper

119 100

134 28.2 14.1 42.3

91 22.8 11.4 34.2

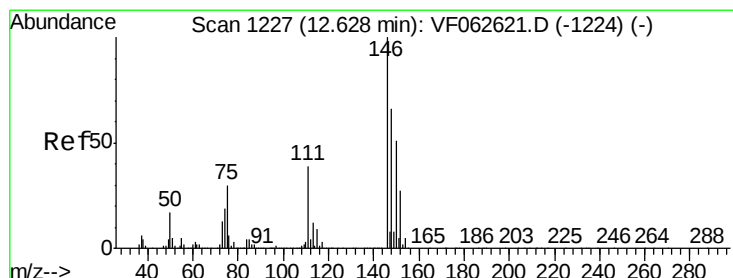
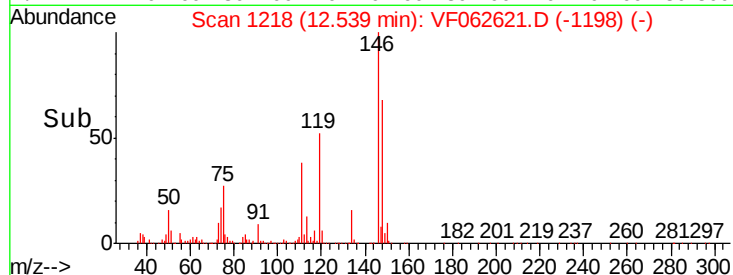
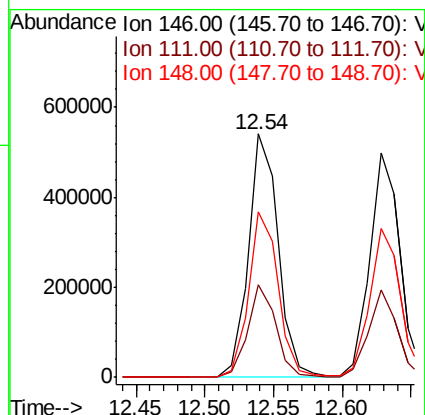
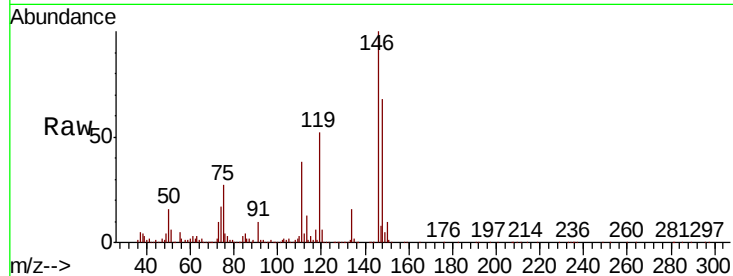




#87
 1,3-Dichlorobenzene
 Concen: 50.830 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

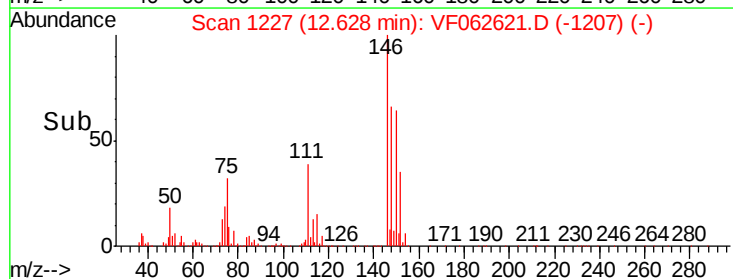
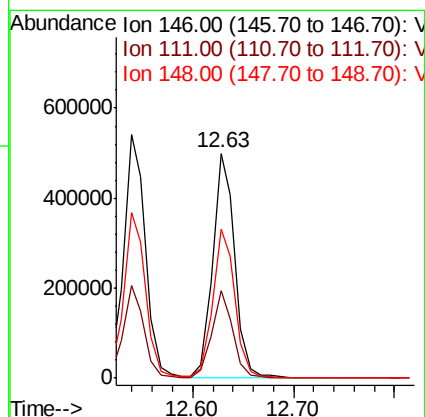
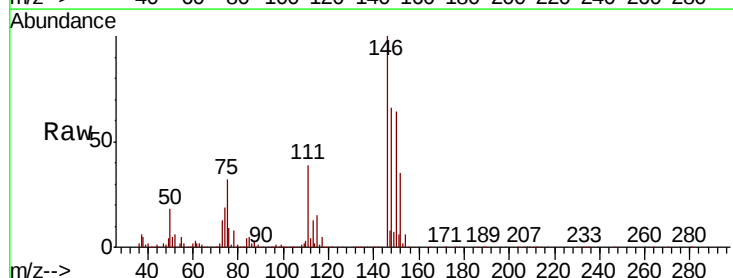
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

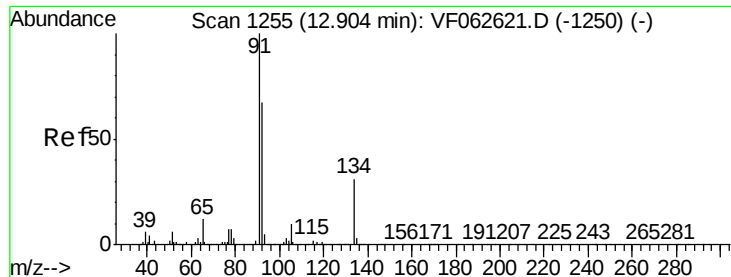
Tot Ion:146 Resp: 820120
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 67.9 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 50.510 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion:146 Resp: 764785
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 66.4 33.2 99.6

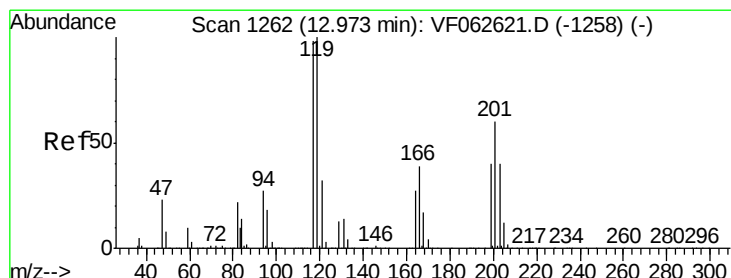
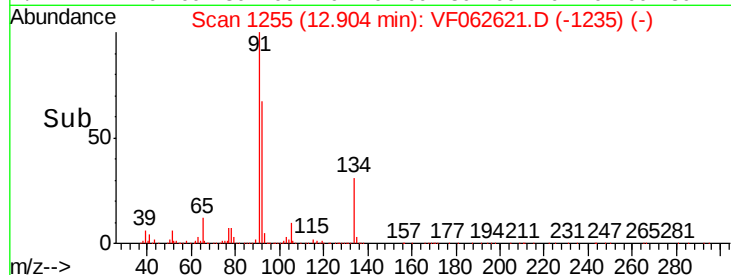
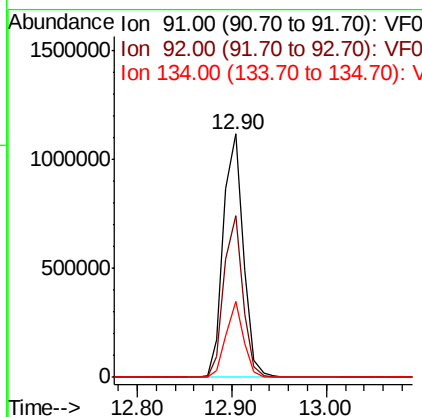
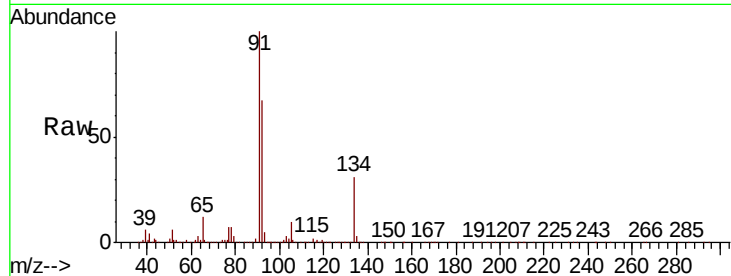




#89
n-Butylbenzene
Concen: 50.151 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

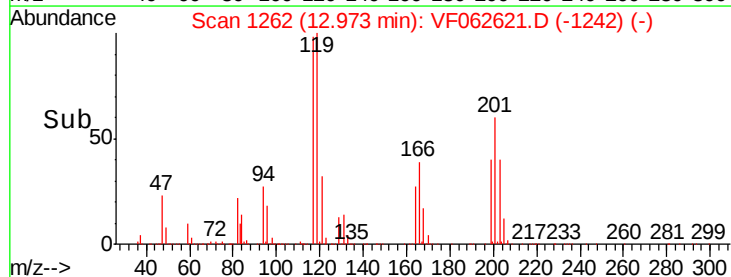
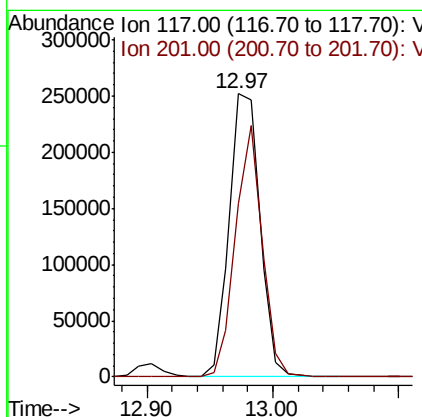
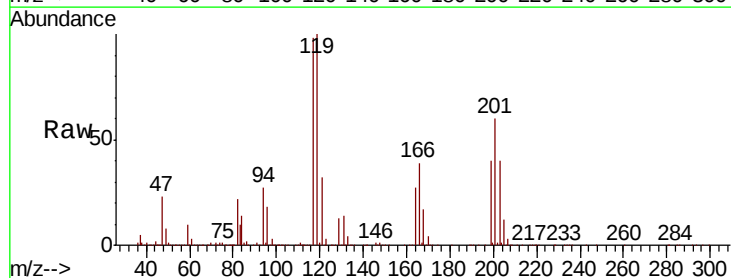
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

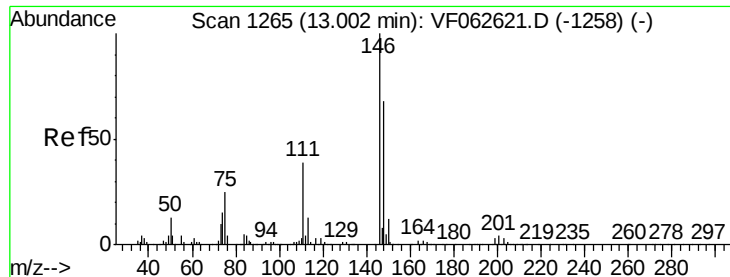
Tot Ion: 91 Resp: 1632267
Ion Ratio Lower Upper
91 100
92 66.5 33.3 99.8
134 30.9 15.4 46.4



#90
Hexachloroethane
Concen: 53.682 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion: 117 Resp: 425097
Ion Ratio Lower Upper
117 100
201 61.4 30.7 92.1

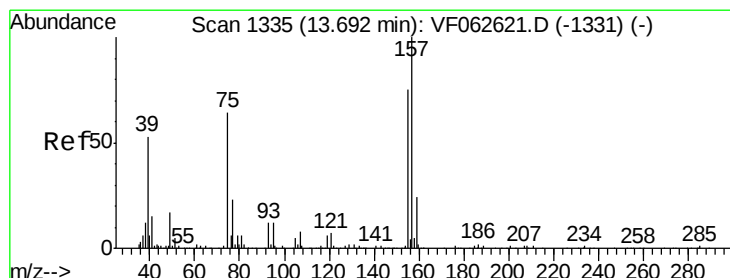
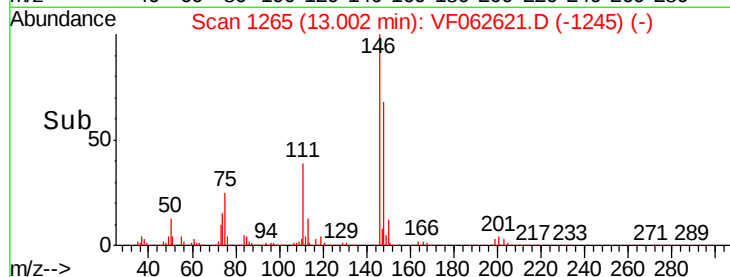
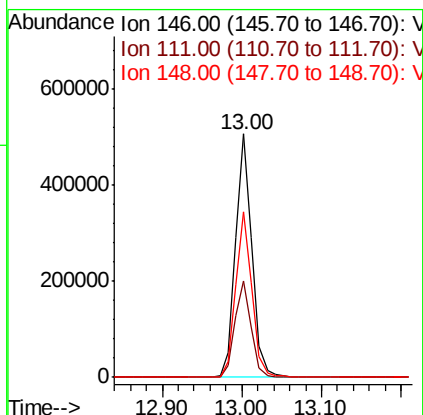
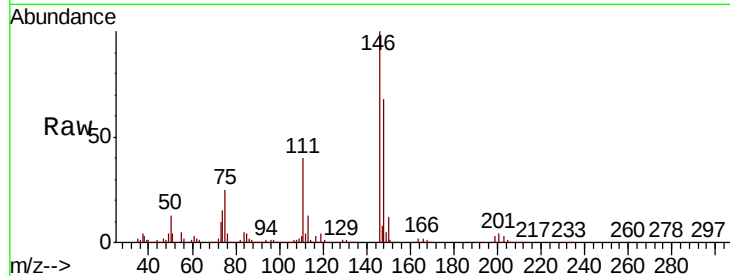




#91
 1,2-Dichlorobenzene
 Concen: 50.720 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

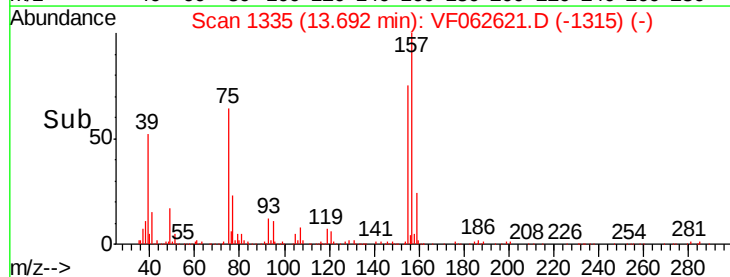
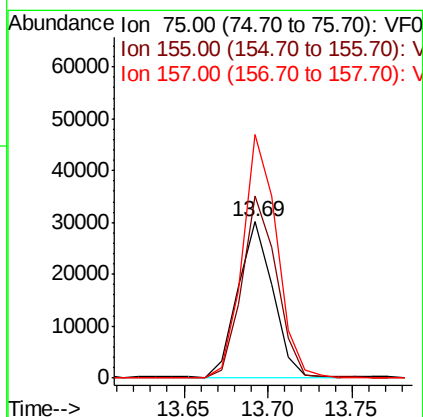
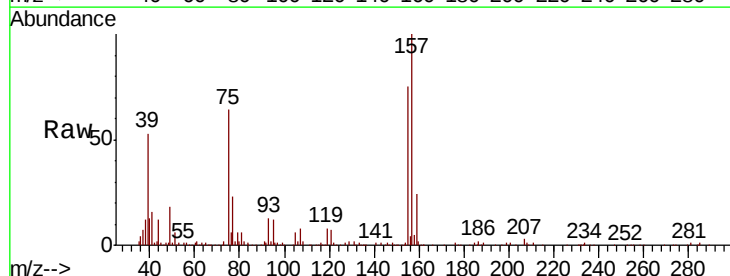
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

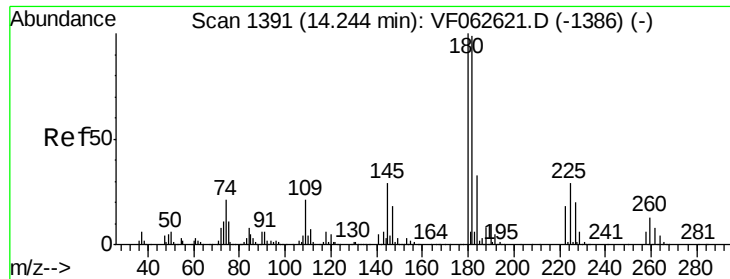
Tot Ion:146 Resp: 729472
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.8 59.3
 148 68.1 34.1 102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.959 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion: 75 Resp: 43699
 Ion Ratio Lower Upper
 75 100
 155 116.2 58.1 174.3
 157 155.6 77.8 233.4

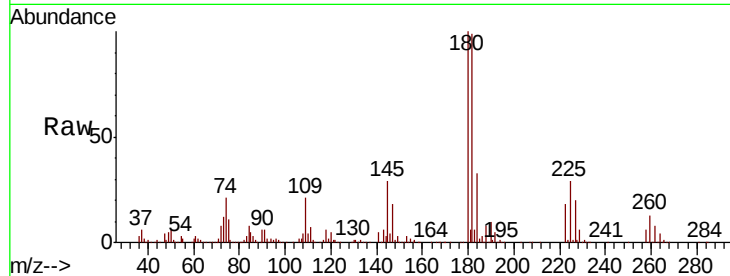




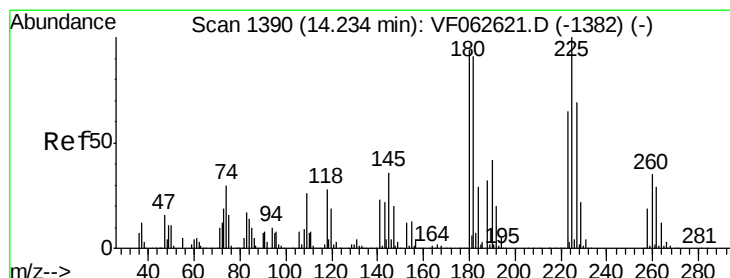
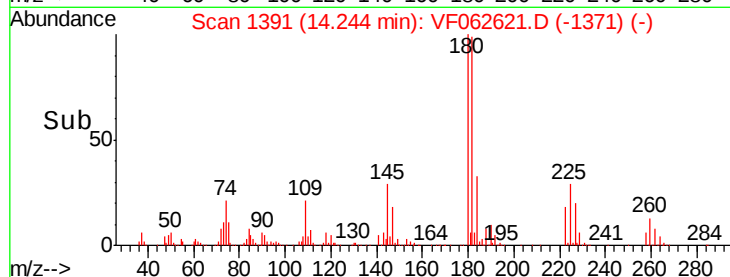
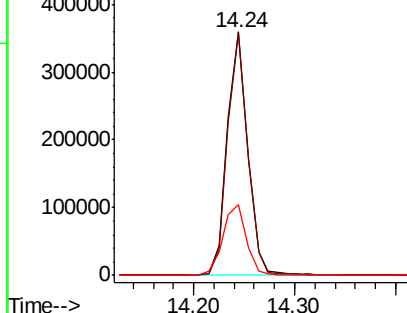
#93
 1,2,4-Trichlorobenzene
 Concen: 49.554 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 510148
 Ion Ratio Lower Upper
 180 100
 182 99.4 49.7 149.1
 145 29.3 14.6 44.0

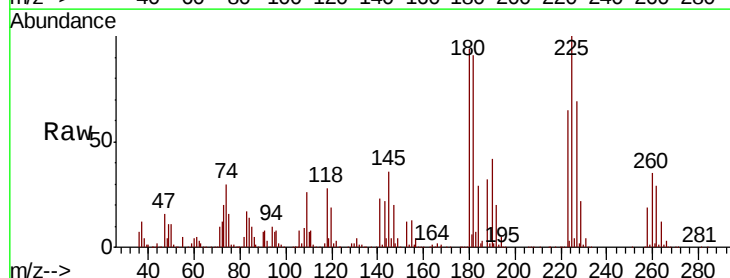


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

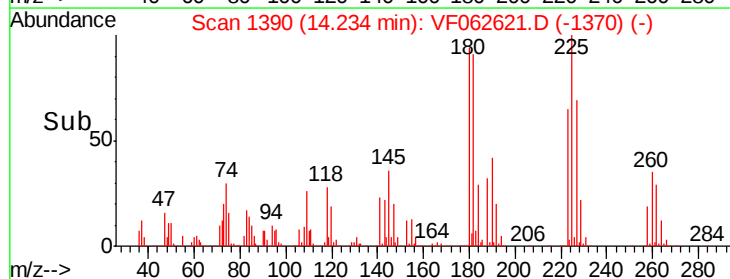
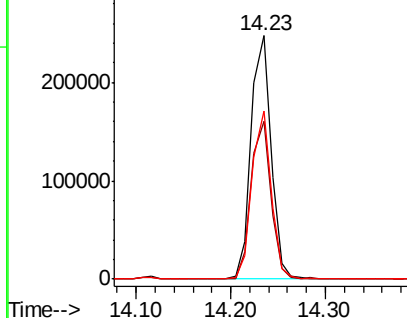


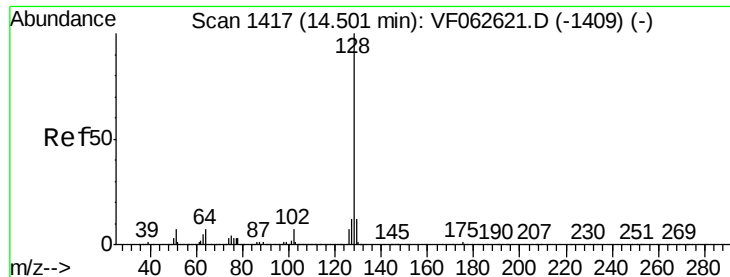
#94
 Hexachlorobutadiene
 Concen: 50.493 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062621.D
 Acq: 16 May 2019 12:01

Tgt Ion:225 Resp: 362766
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.5 97.4
 227 69.0 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

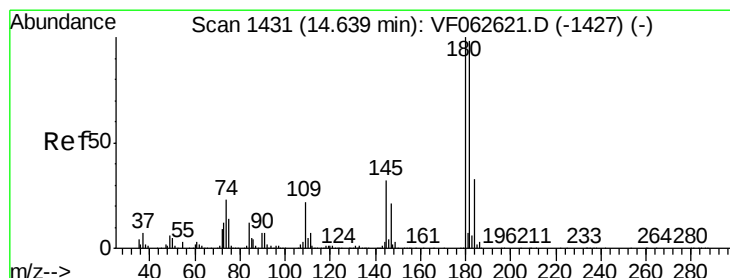
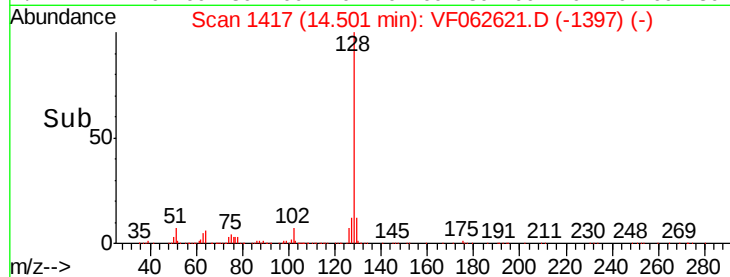
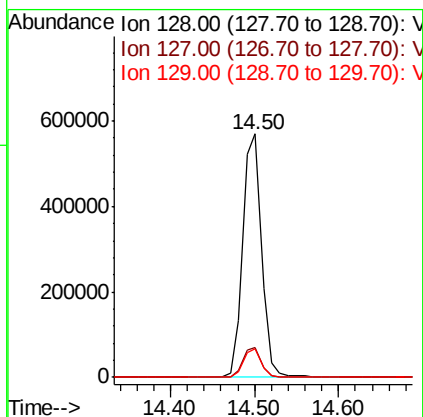
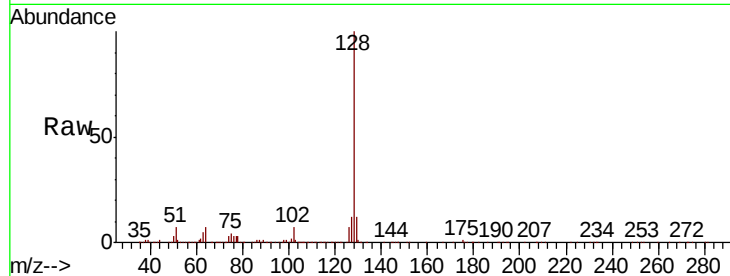




#95
Naphthalene
Concen: 47.549 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.7	14.5
129	11.6	9.3	13.9



#96
1,2,3-Trichlorobenzene
Concen: 50.745 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062621.D
Acq: 16 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.9	146.7
145	32.1	16.1	48.2

