

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062739.D
 Acq On : 24 May 2019 10:45
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 24 23:01:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	768771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1251540	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	950653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	449319	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	231635	42.64	ug/l	0.00
Spiked Amount			Recovery	=	85.28%	
35) Dibromofluoromethane	4.32	113	439489	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
50) Toluene-d8	7.72	98	1054328	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	11.49	95	376403	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	469503	44.878	ug/l	96
3) Chloromethane	1.14	50	421289	43.734	ug/l	93
4) Vinyl Chloride	1.19	62	397037	44.776	ug/l	96
5) Bromomethane	1.40	94	251060	51.755	ug/l	91
6) Chloroethane	1.46	64	166247	51.049	ug/l	90
7) Trichlorofluoromethane	1.55	101	591405	49.673	ug/l	94
8) Diethyl Ether	1.72	74	123701	52.445	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.92	101	377832	49.838	ug/l	99
10) Methyl Iodide	2.00	142	626252	42.051	ug/l	99
11) Tert butyl alcohol	2.70	59	91806	255.970	ug/l	97
12) 1,1-Dichloroethene	1.88	96	334260	48.401	ug/l	94
13) Acrolein	2.10	56	87015	232.419	ug/l	98
14) Allyl chloride	2.20	41	267318	42.768	ug/l	92
15) Acrylonitrile	3.10	53	367682	363.425	ug/l #	91
16) Acetone	2.35	43	381885	270.962	ug/l #	89
17) Carbon Disulfide	1.92	76	957601	46.782	ug/l	97
18) Methyl Acetate	2.47	43	109970	49.654	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	644443	52.200	ug/l	99
20) Methylene Chloride	2.36	84	238800	33.803	ug/l	97
21) trans-1,2-Dichloroethene	2.43	96	364145	53.946	ug/l	94
22) Diisopropyl ether	2.94	45	810875	52.600	ug/l	99
23) Vinyl Acetate	3.35	43	2582239	248.313	ug/l	100
24) 1,1-Dichloroethane	3.02	63	544887	48.181	ug/l	99
25) 2-Butanone	4.53	43	763341	253.508	ug/l	98
26) 2,2-Dichloropropane	3.79	77	324681	50.178	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	595114	53.598	ug/l	97
28) Bromochloromethane	3.90	49	291339	45.933	ug/l	95
29) Tetrahydrofuran	4.27	42	296579	243.398	ug/l	94
30) Chloroform	4.06	83	831413	52.951	ug/l	99
31) Cyclohexane	3.88	56	382088	25.163	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	548537	52.604	ug/l	96
36) 1,1-Dichloropropene	4.49	75	644959	50.291	ug/l	98
37) Ethyl Acetate	4.31	43	256219	48.932	ug/l	89
38) Carbon Tetrachloride	4.19	117	438794	45.495	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	854552	55.379	ug/l	94
40) Benzene	4.83	78	1903783	54.492	ug/l	99
41) Methacrylonitrile	4.94	41	138594	50.486	ug/l	94
42) 1,2-Dichloroethane	5.14	62	372363	53.446	ug/l	90
43) Isopropyl Acetate	7.12	43	333932	49.225	ug/l #	97
44) Trichloroethene	5.69	130	541648	55.162	ug/l	92
45) 1,2-Dichloropropane	6.42	63	491563	55.737	ug/l	98
46) Dibromomethane	6.27	93	289151	56.730	ug/l	98
47) Bromodichloromethane	6.57	83	579817	54.796	ug/l	97
48) Methyl methacrylate	6.88	41	177710	50.119	ug/l	96
49) 1,4-Dioxane	6.88	88	48280	1063.117	ug/l	88
51) 4-Methyl-2-Pentanone	8.41	43	1160105	250.187	ug/l	98
52) Toluene	7.79	92	1053735	57.510	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	483833	55.890	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	672977	55.535	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	305808	56.369	ug/l	98
56) Ethyl methacrylate	8.76	69	330970	51.207	ug/l	98
57) 1,3-Dichloropropane	9.00	76	517437	55.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	546371	259.705	ug/l	97
59) 2-Hexanone	9.62	43	849651	284.064	ug/l	97
60) Dibromochloromethane	8.86	129	397900	56.275	ug/l	99
61) 1,2-Dibromoethane	9.14	107	325359	56.464	ug/l	99
64) Tetrachloroethene	8.31	164	410265	54.474	ug/l	100
65) Chlorobenzene	9.94	112	1037181	55.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	414885	55.350	ug/l	98
67) Ethyl Benzene	10.04	91	1800582	55.510	ug/l	100
68) m/p-Xylenes	10.26	106	1376076	112.874	ug/l	99
69) o-Xylene	10.82	106	718752	57.239	ug/l	91
70) Styrene	10.89	104	1033878	54.170	ug/l	98
71) Bromoform	10.88	173	216721	57.729	ug/l #	96
73) Isopropylbenzene	11.22	105	1879767	58.372	ug/l	100
74) N-amyl acetate	11.45	43	494624	61.620	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	352405	53.547	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	228888	52.931	ug/l	85
77) Bromobenzene	11.58	156	446862	55.825	ug/l	96
78) n-propylbenzene	11.67	91	2127401	55.820	ug/l	97
79) 2-Chlorotoluene	11.80	91	1183774	55.115	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1449710	56.142	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	144300	75.072	ug/l	97
82) 4-Chlorotoluene	11.98	91	1191989	56.277	ug/l	100
83) tert-Butylbenzene	12.19	119	1471812	56.181	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1404436	56.194	ug/l	98
85) sec-Butylbenzene	12.37	105	1944607	55.310	ug/l	99
86) p-Isopropyltoluene	12.52	119	1644551	55.504	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	793724	54.807	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	747792	55.023	ug/l	98
89) n-Butylbenzene	12.89	91	1610341	55.123	ug/l	97
90) Hexachloroethane	12.97	117	425141	59.814	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	703739	54.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	43968	56.002	ug/l	90

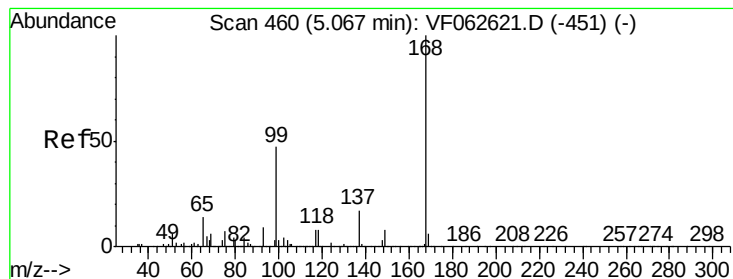
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	506686	54.833	ug/l	98
94) Hexachlorobutadiene	14.22	225	362901	56.275	ug/l	97
95) Naphthalene	14.49	128	891536	53.108	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	468851	53.566	ug/l	99

(#) = 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: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

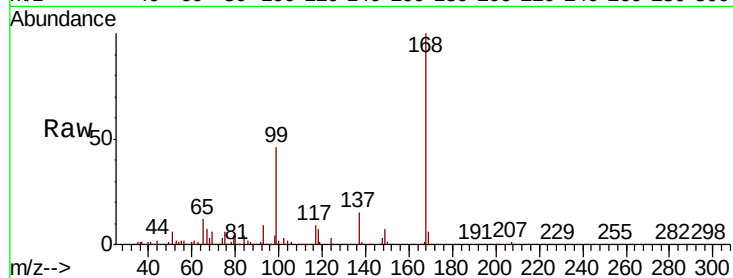
VSTDCCC050

Tot Ion:168 Resp: 768771

Ion Ratio Lower Upper

168 100

99 46.3 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

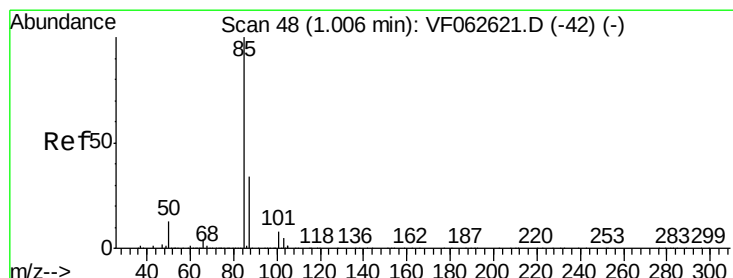
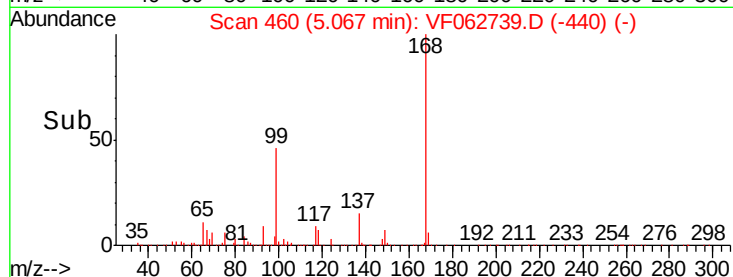
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.878 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062739.D

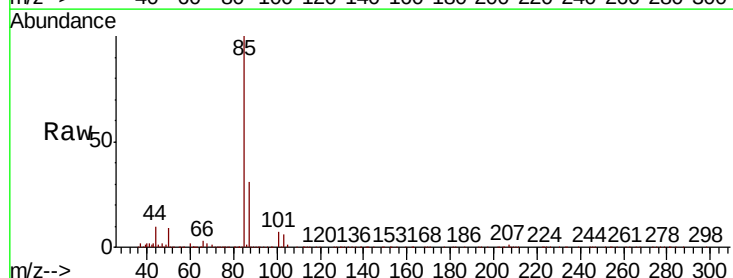
Acq: 24 May 2019 10:45

Tgt Ion: 85 Resp: 469503

Ion Ratio Lower Upper

85 100

87 31.4 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

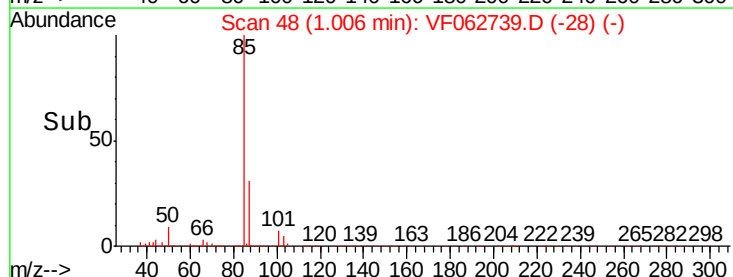
150000

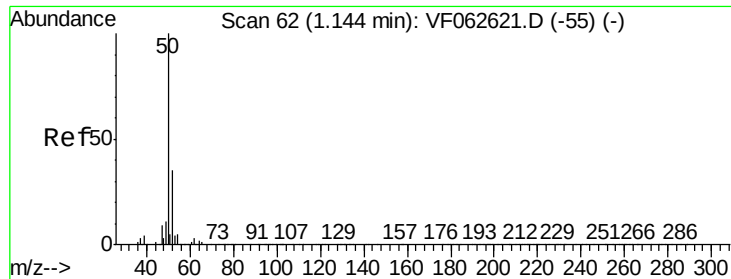
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.734 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

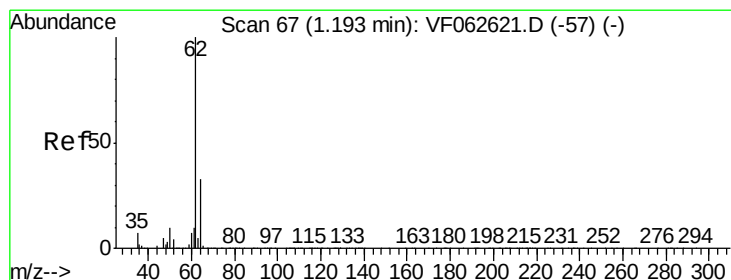
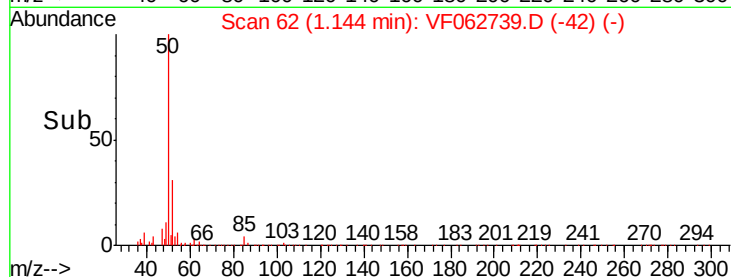
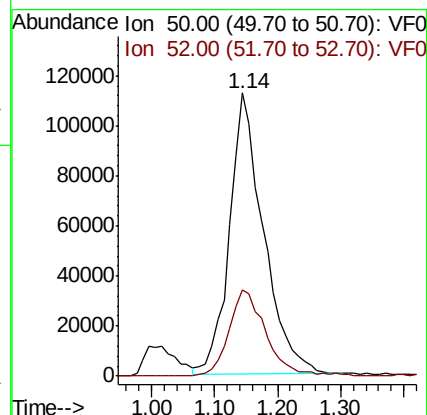
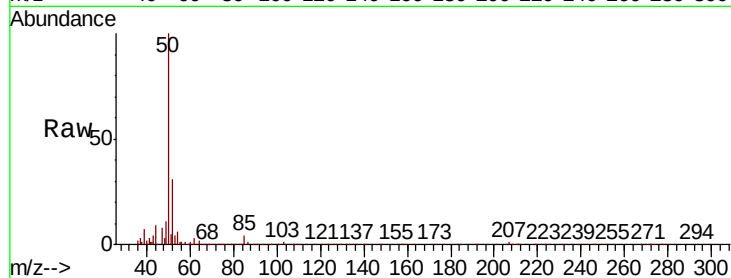
VSTDCCC050

Tot Ion: 50 Resp: 421289

Ion Ratio Lower Upper

50 100

52 30.6 27.5 41.3



#4

Vinyl Chloride

Concen: 44.776 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062739.D

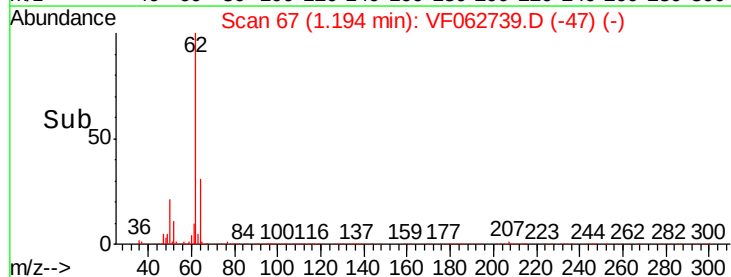
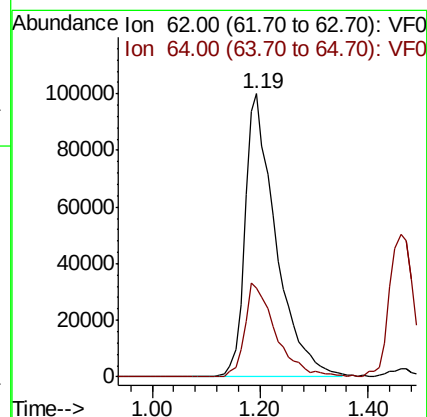
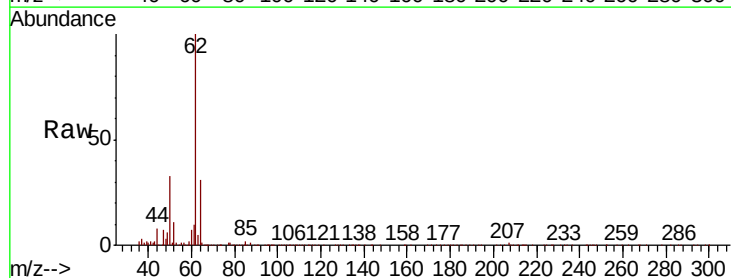
Acq: 24 May 2019 10:45

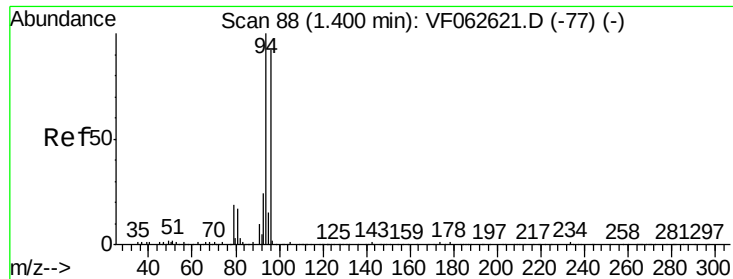
Tgt Ion: 62 Resp: 397037

Ion Ratio Lower Upper

62 100

64 31.4 26.7 40.1





#5

Bromomethane

Concen: 51.755 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

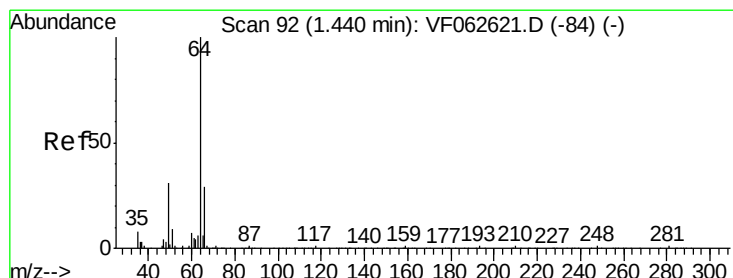
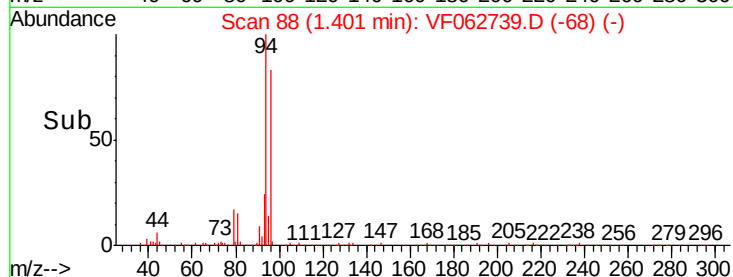
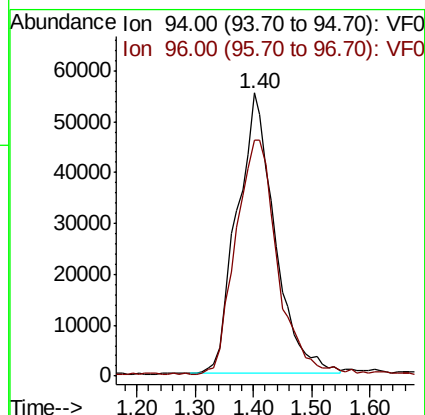
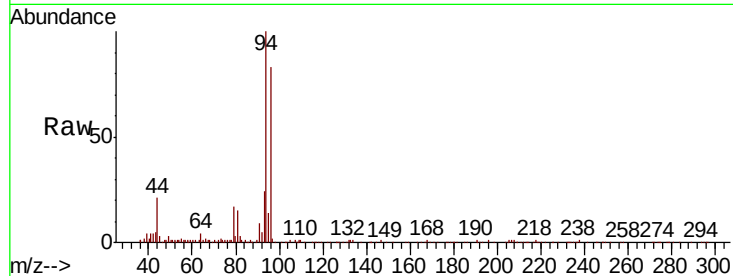
VSTDCCC050

Tot Ion: 94 Resp: 251060

Ion Ratio Lower Upper

94 100

96 83.3 73.2 109.8



#6

Chloroethane

Concen: 51.049 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062739.D

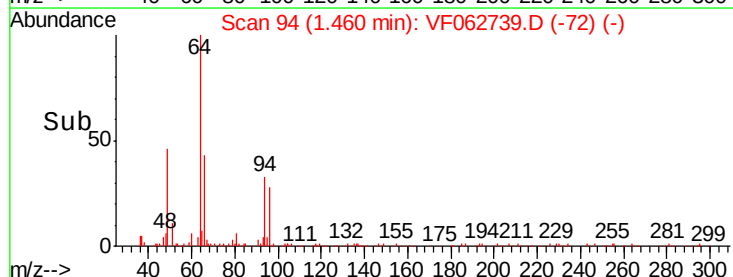
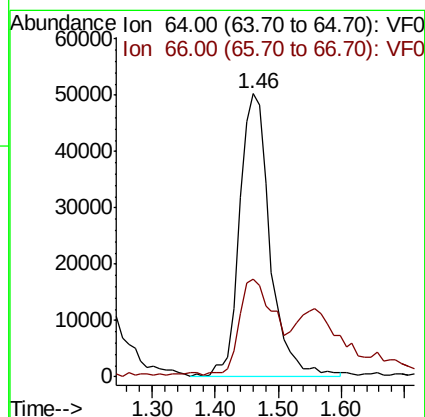
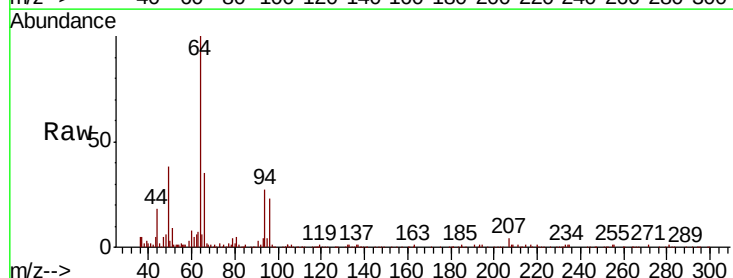
Acq: 24 May 2019 10:45

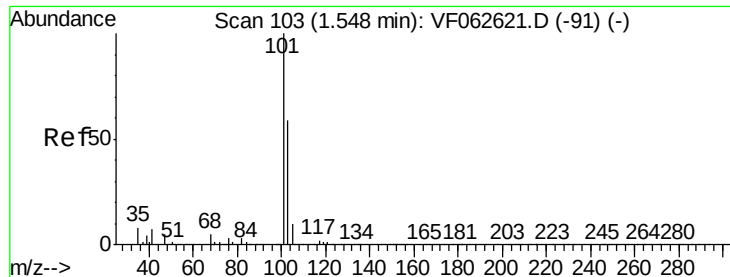
Tgt Ion: 64 Resp: 166247

Ion Ratio Lower Upper

64 100

66 34.7 23.4 35.2



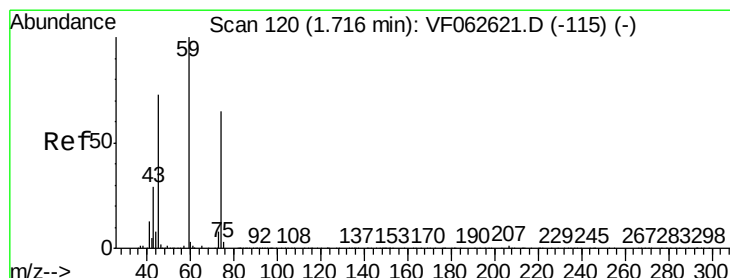
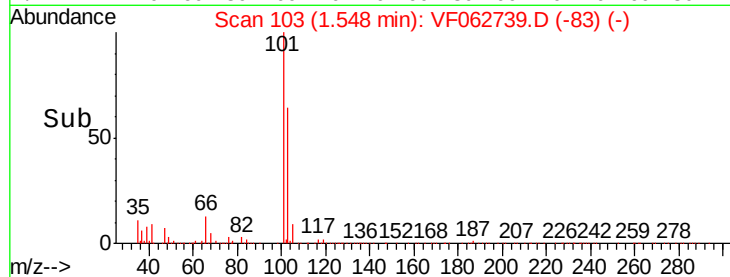
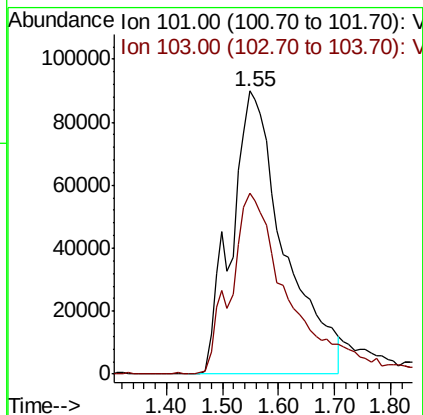
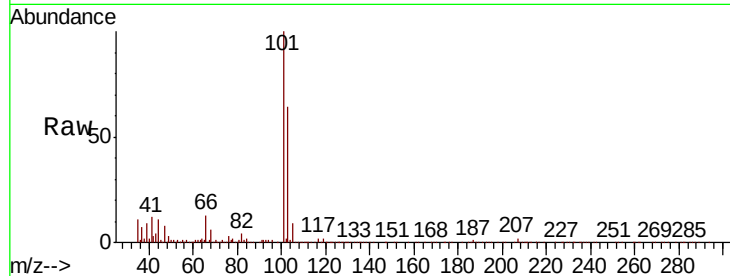


#7

Trichlorofluoromethane
Concen: 49.673 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

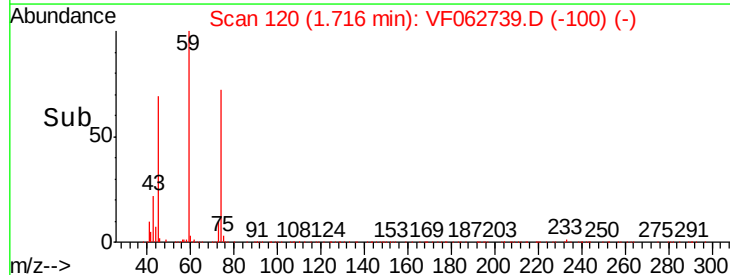
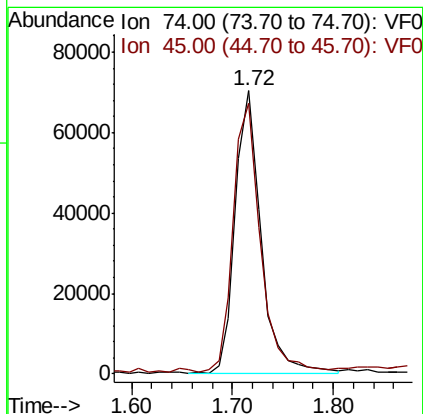
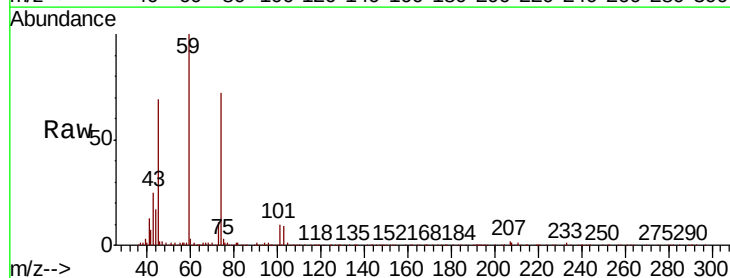
Tot Ion:101 Resp: 591405
Ion Ratio Lower Upper
101 100
103 63.8 47.3 70.9

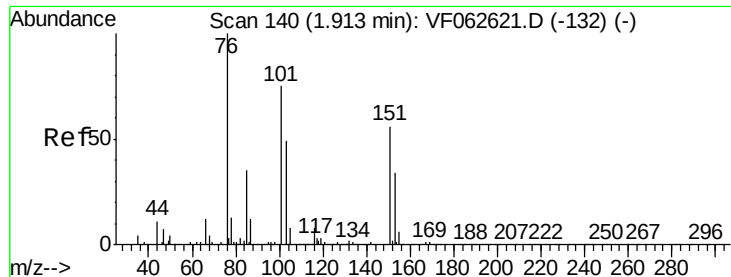


#8

Diethyl Ether
Concen: 52.445 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 74 Resp: 123701
Ion Ratio Lower Upper
74 100
45 95.6 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.838 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

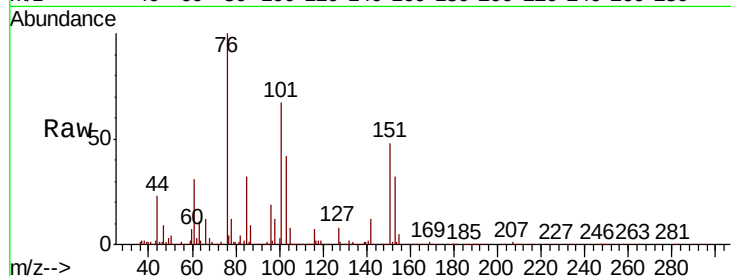
Tot Ion:101 Resp: 377832

Ion Ratio Lower Upper

101 100

85 47.7 37.1 55.7

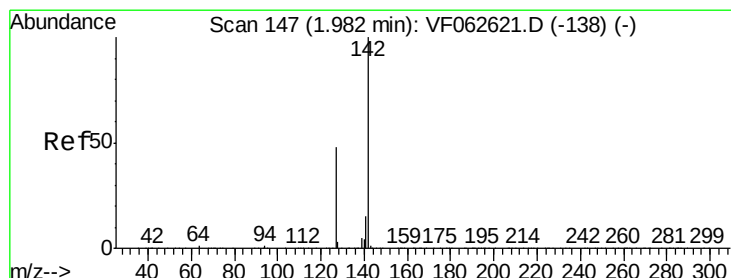
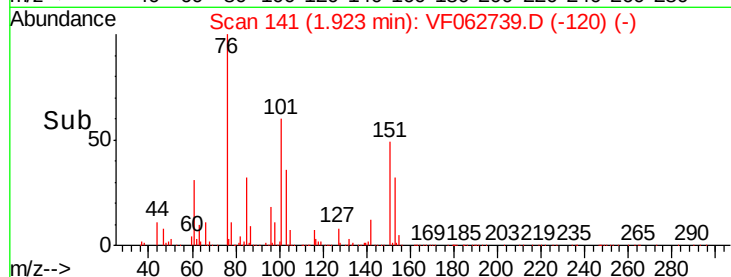
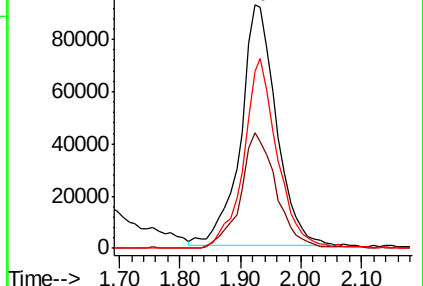
151 72.8 58.8 88.2



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: 42.051 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

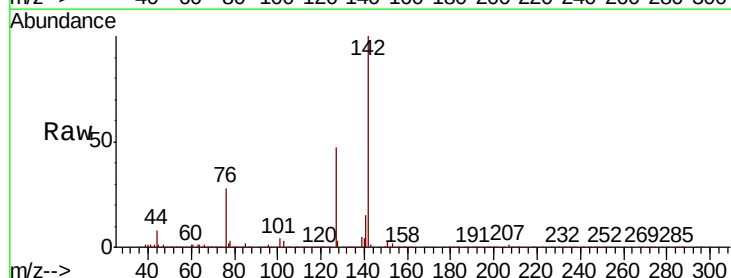
Tgt Ion:142 Resp: 626252

Ion Ratio Lower Upper

142 100

127 47.1 38.1 57.1

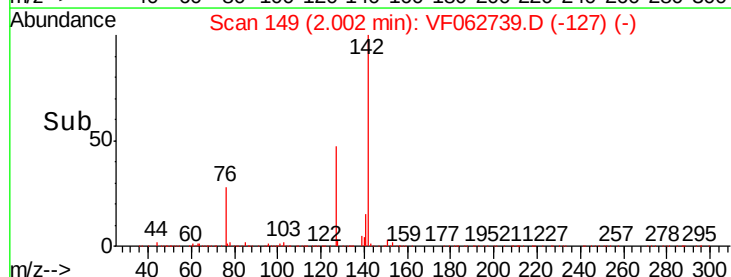
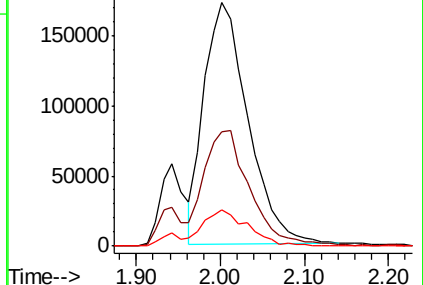
141 14.7 11.7 17.5

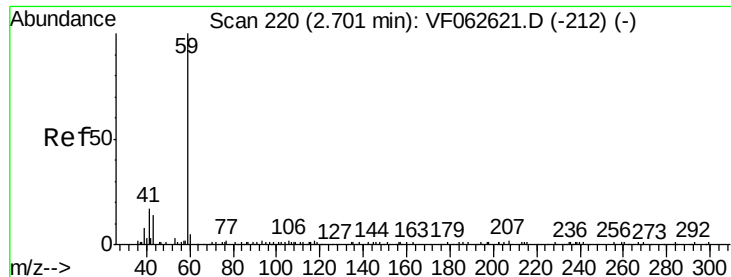


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

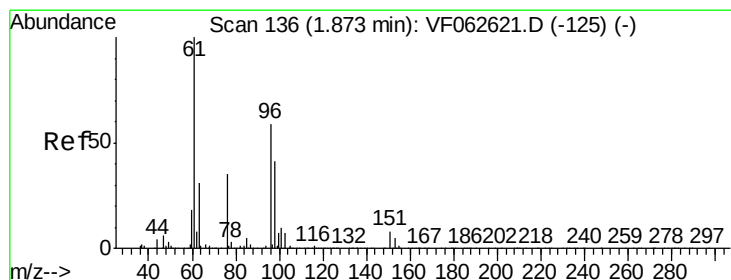
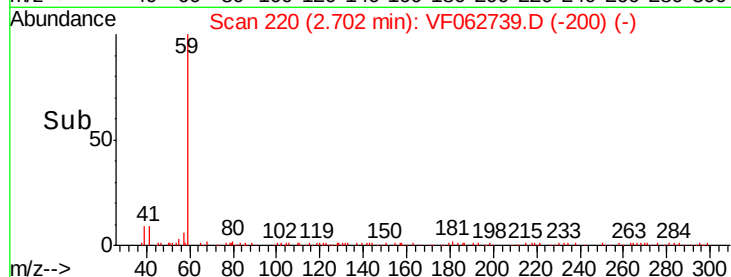
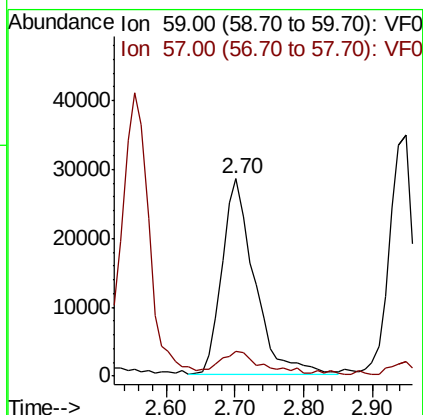
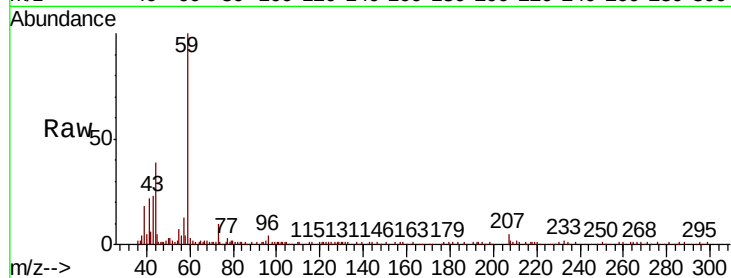




#11
Tert butyl alcohol
Concen: 255.970 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

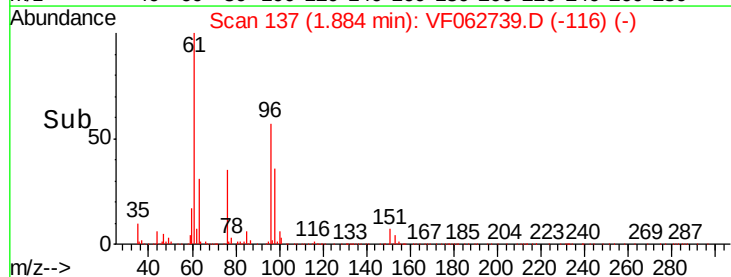
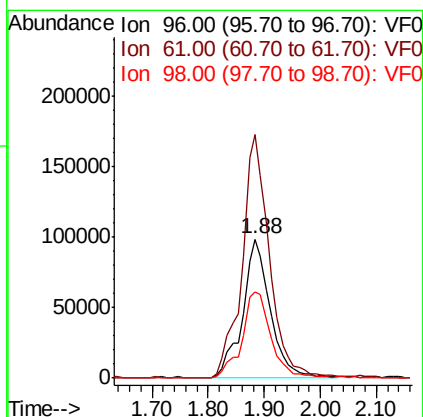
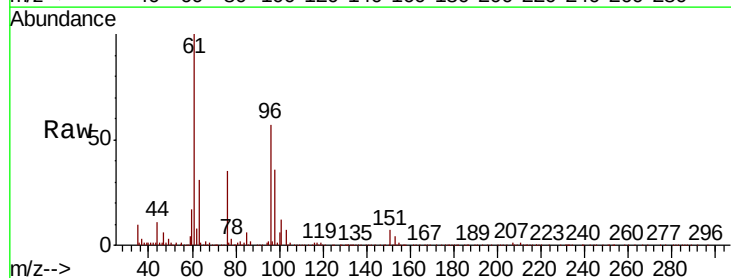
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

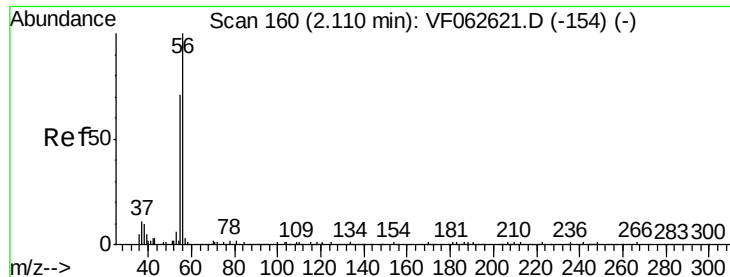
Tot Ion: 59 Resp: 91806
Ion Ratio Lower Upper
59 100
57 12.8 9.3 13.9



#12
1,1-Dichloroethene
Concen: 48.401 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 96 Resp: 334260
Ion Ratio Lower Upper
96 100
61 175.3 134.3 201.5
98 62.3 55.0 82.6





#13

Acrolein

Concen: 232.419 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

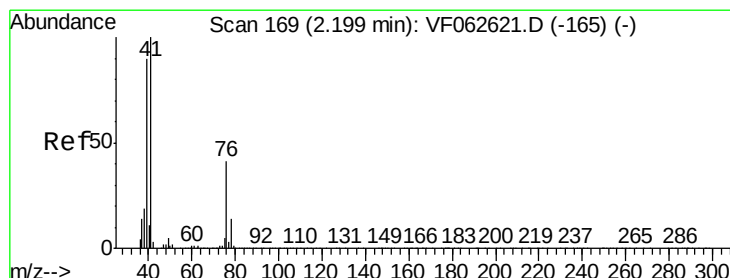
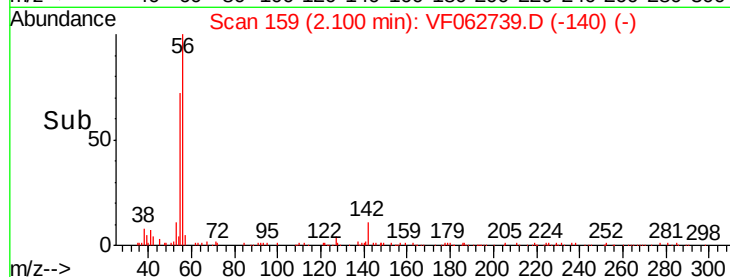
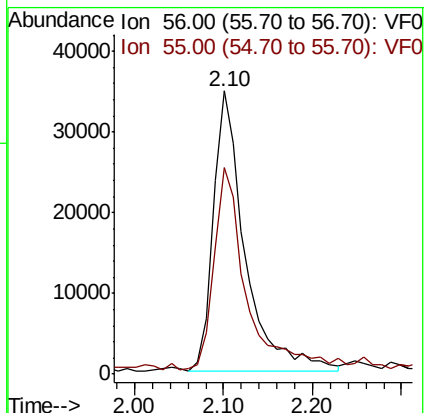
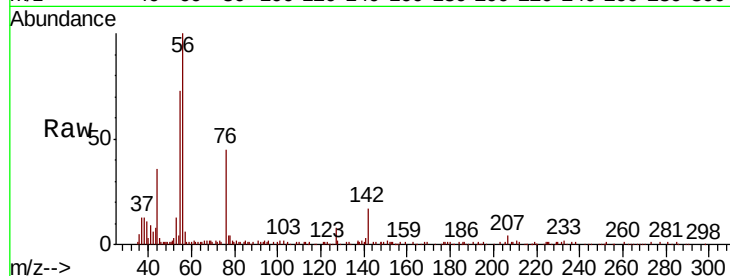
VSTDCCC050

Tot Ion: 56 Resp: 87015

Ion Ratio Lower Upper

56 100

55 72.9 59.4 89.0



#14

Allyl chloride

Concen: 42.768 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

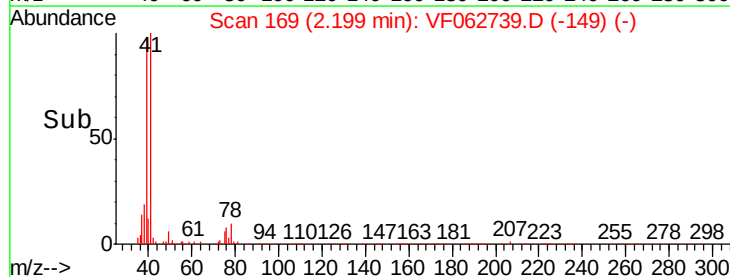
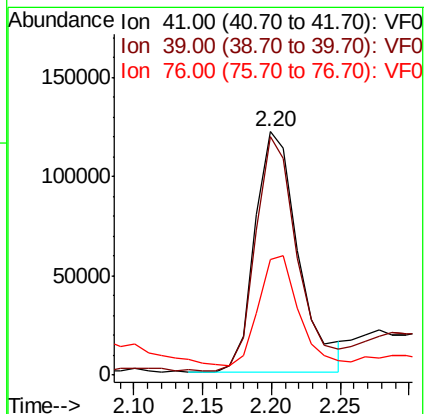
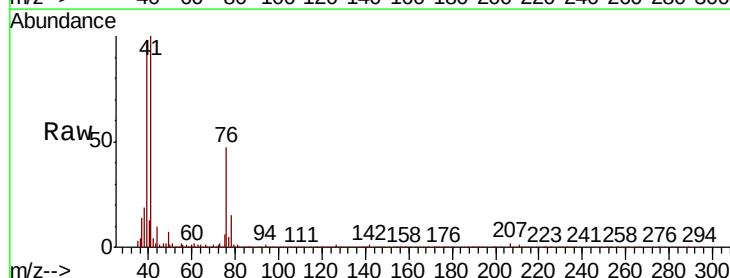
Tgt Ion: 41 Resp: 267318

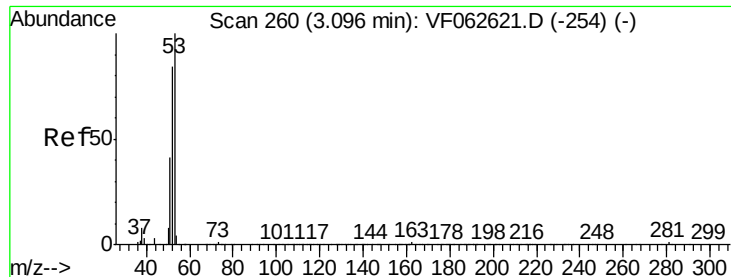
Ion Ratio Lower Upper

41 100

39 98.0 72.0 108.0

76 47.4 34.8 52.2





#15

Acrylonitrile

Concen: 363.425 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

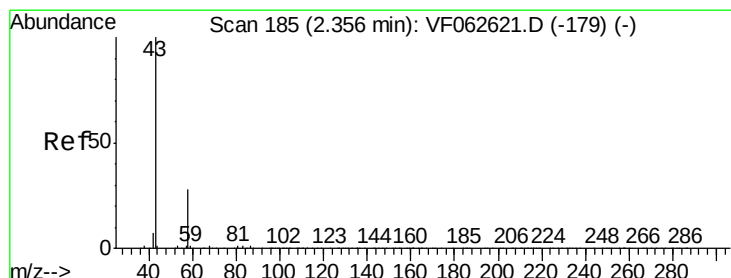
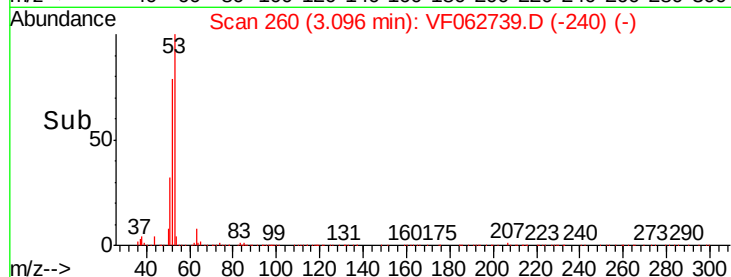
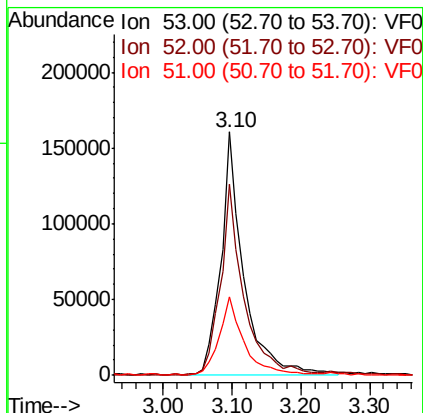
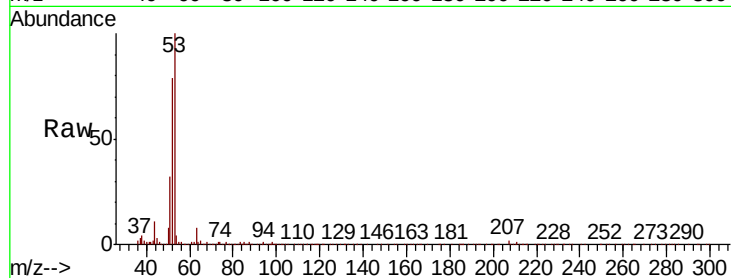
Tot Ion: 53 Resp: 367682

Ion Ratio Lower Upper

53 100

52 78.6 67.3 100.9

51 32.2 33.0 49.6#



#16

Acetone

Concen: 270.962 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062739.D

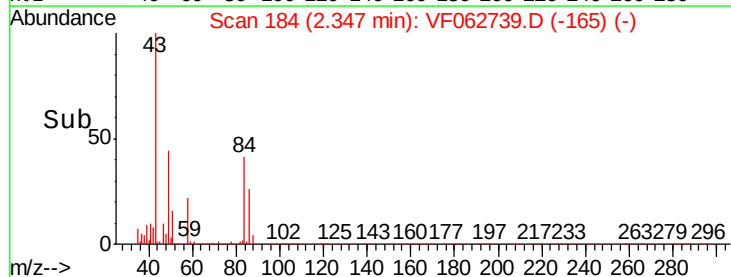
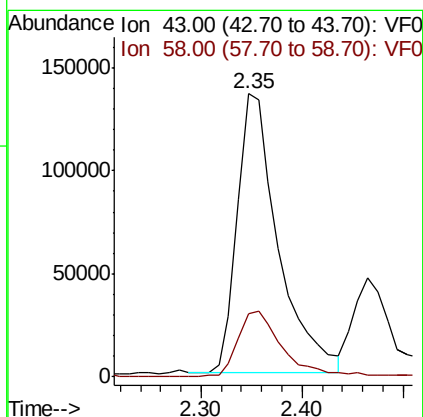
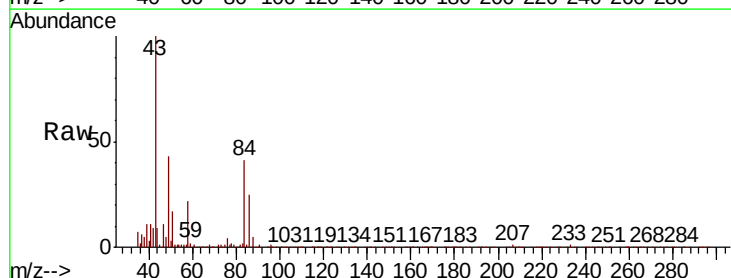
Acq: 24 May 2019 10:45

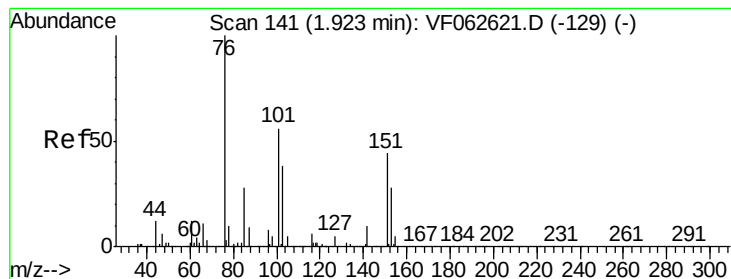
Tgt Ion: 43 Resp: 381885

Ion Ratio Lower Upper

43 100

58 22.4 22.6 33.8#





#17

Carbon Disulfide

Concen: 46.782 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

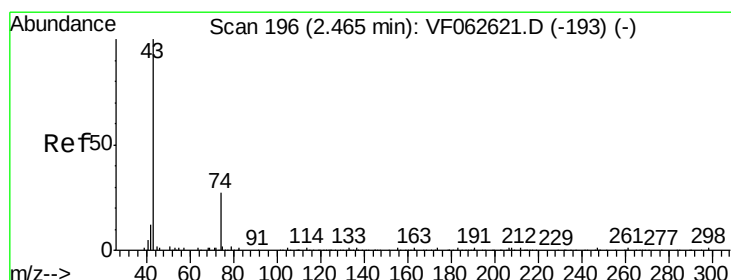
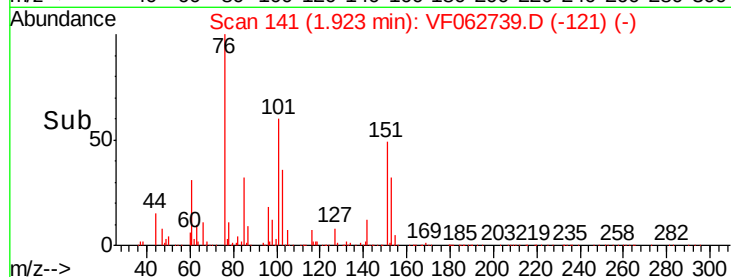
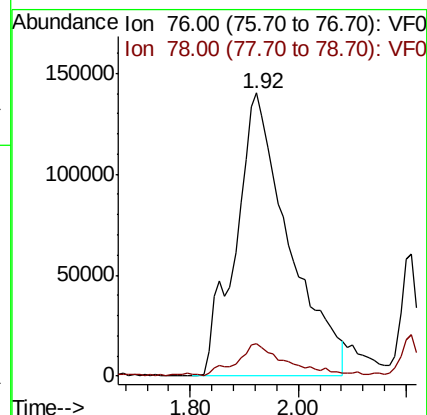
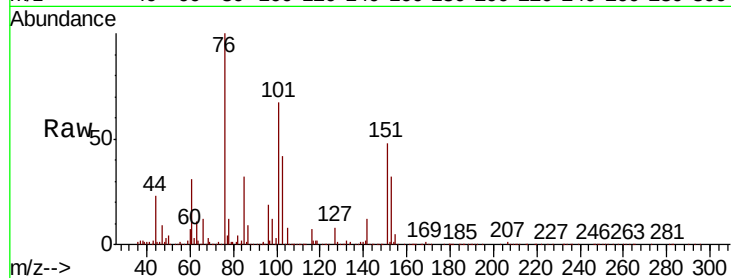
VSTDCCC050

Tot Ion: 76 Resp: 957601

Ion Ratio Lower Upper

76 100

78 11.6 8.4 12.6



#18

Methyl Acetate

Concen: 49.654 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062739.D

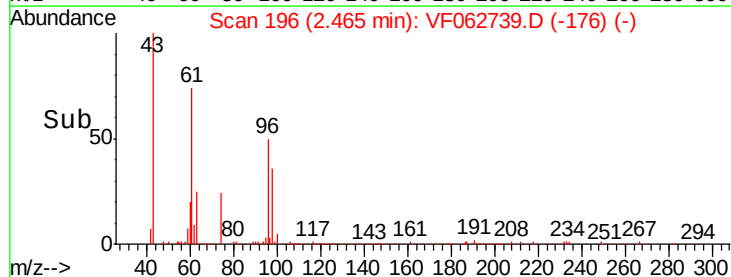
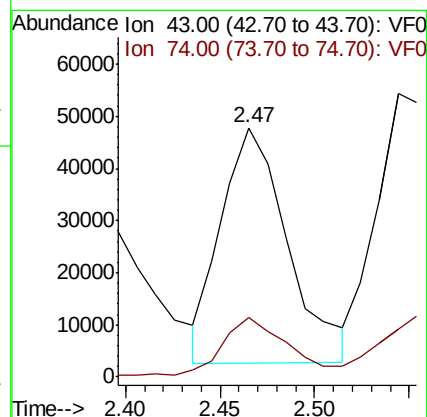
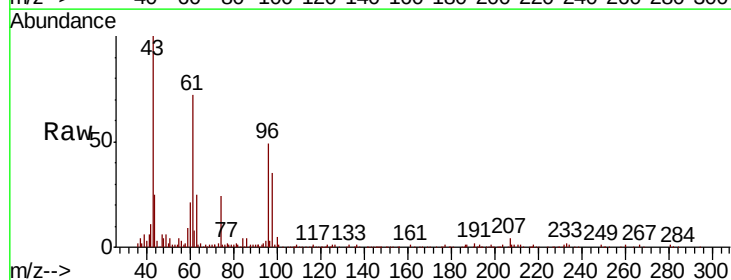
Acq: 24 May 2019 10:45

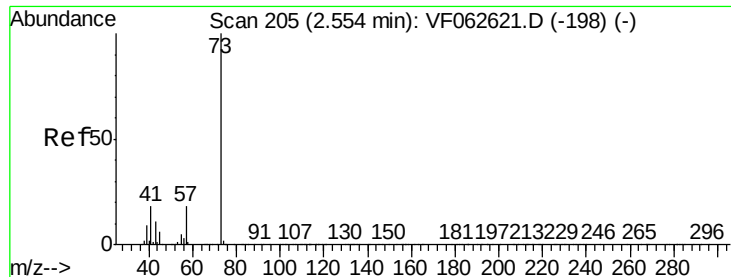
Tgt Ion: 43 Resp: 109970

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3



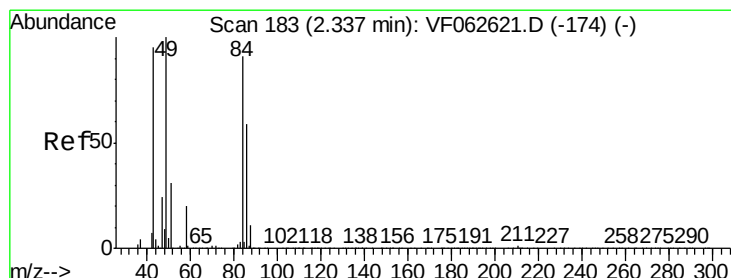
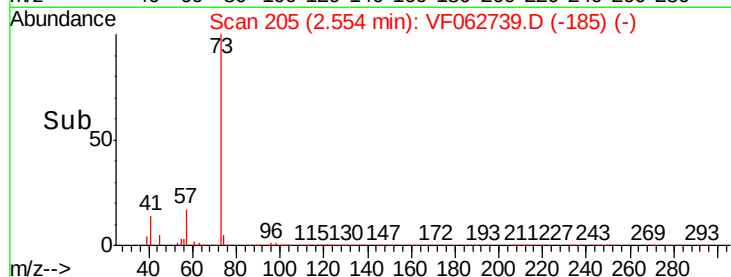
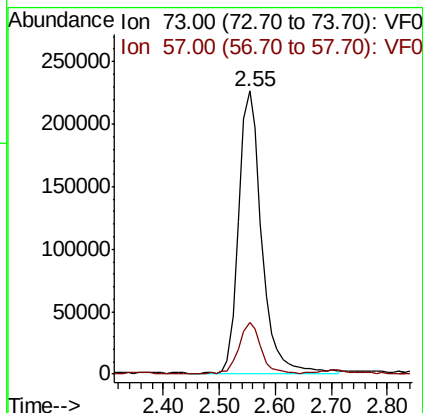
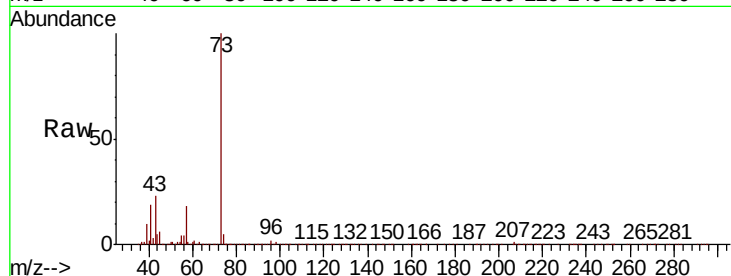


#19

Methyl tert-butyl Ether
 Concen: 52.200 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

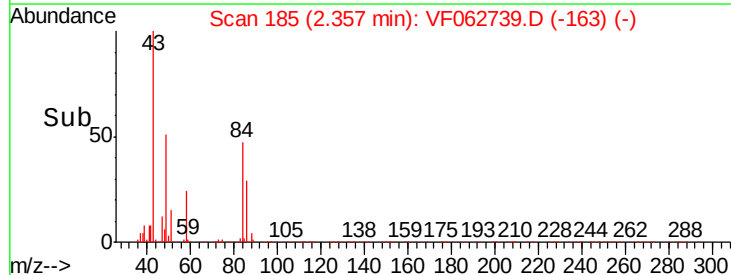
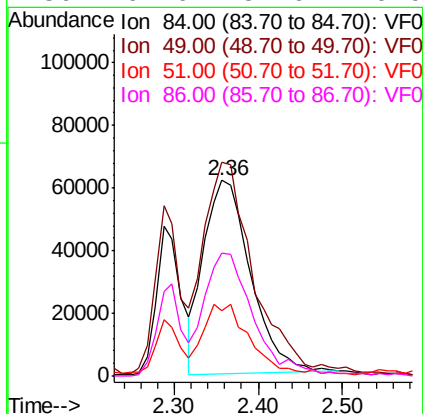
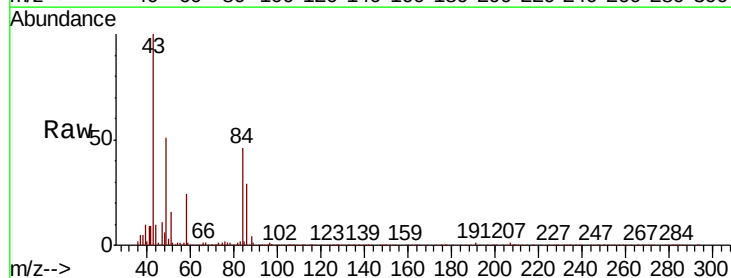
Tot Ion: 73 Resp: 644443
 Ion Ratio Lower Upper
 73 100
 57 18.1 14.2 21.4

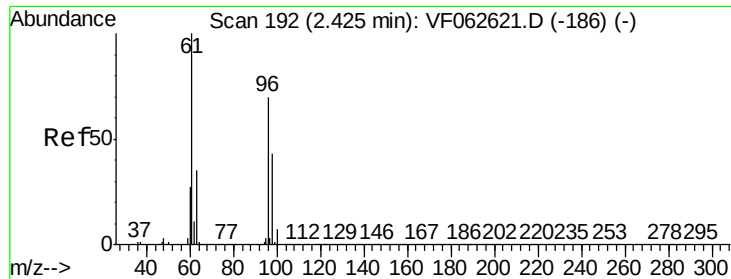


#20

Methylene Chloride
 Concen: 33.803 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Tgt Ion: 84 Resp: 238800
 Ion Ratio Lower Upper
 84 100
 49 109.2 89.8 134.8
 51 33.6 28.4 42.6
 86 62.6 52.6 79.0

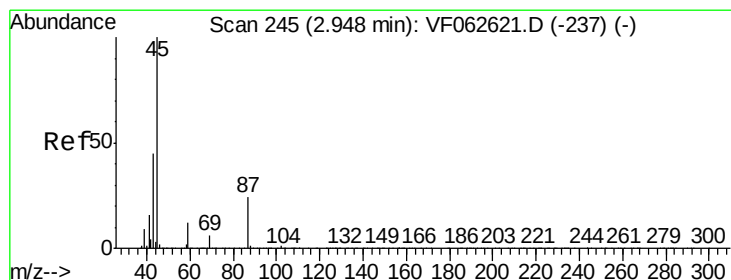
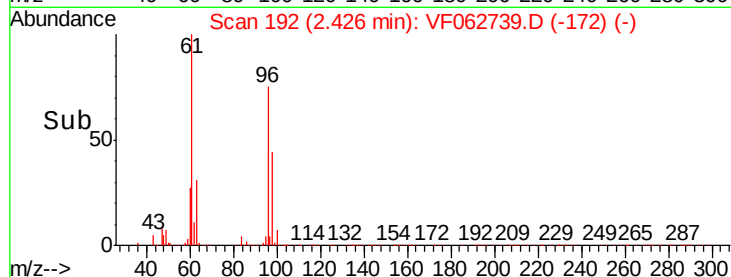
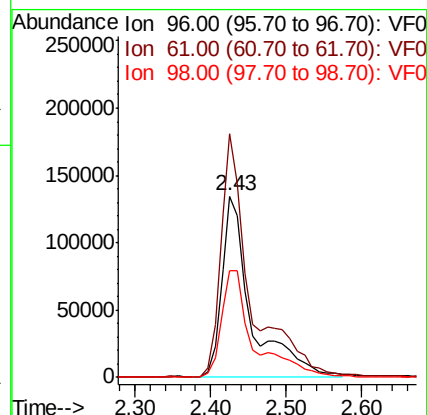
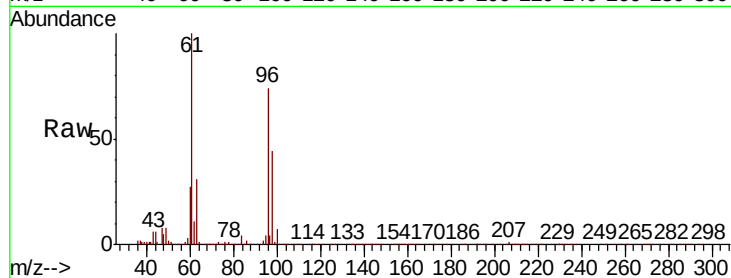




#21
trans-1,2-Dichloroethene
Concen: 53.946 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

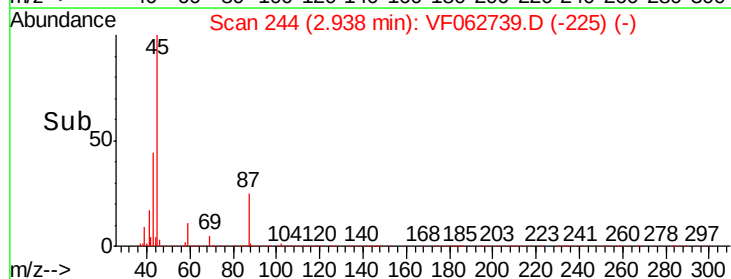
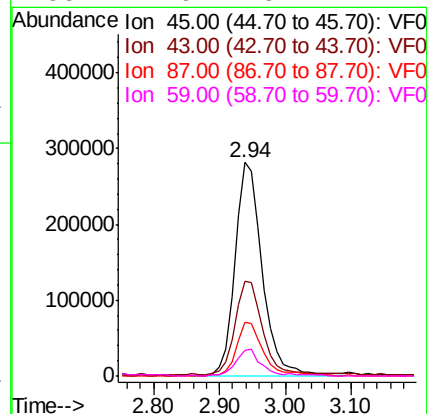
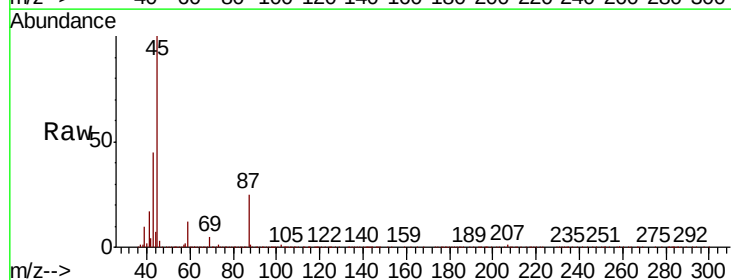
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

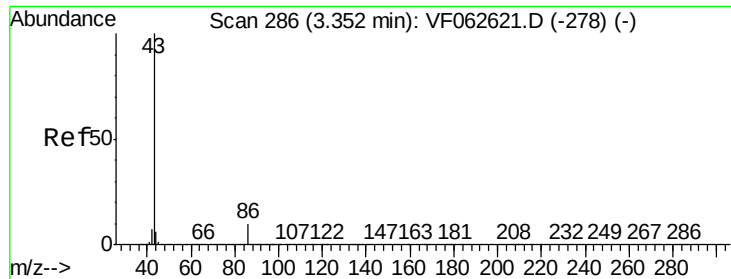
Tot Ion: 96 Resp: 364145
Ion Ratio Lower Upper
96 100
61 134.6 114.6 171.8
98 59.3 49.5 74.3



#22
Diisopropyl ether
Concen: 52.600 ug/l
RT: 2.94 min Scan# 244
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 45 Resp: 810875
Ion Ratio Lower Upper
45 100
43 44.6 36.4 54.6
87 25.1 19.3 28.9
59 11.9 9.4 14.2





#23

Vinyl Acetate

Concen: 248.313 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

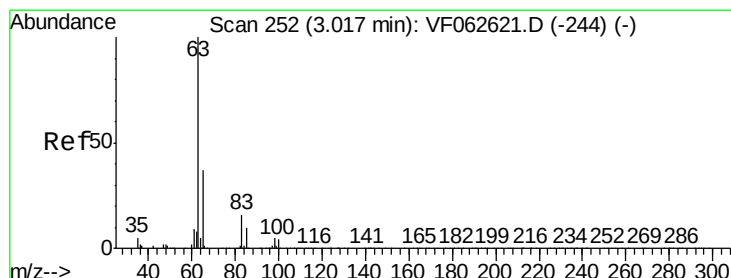
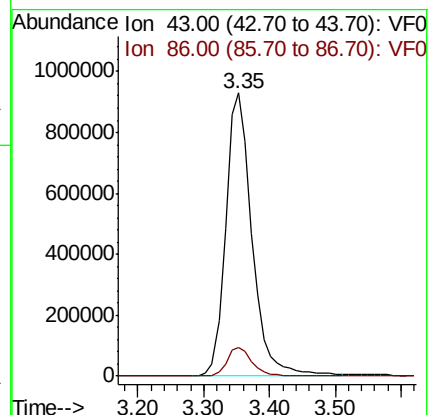
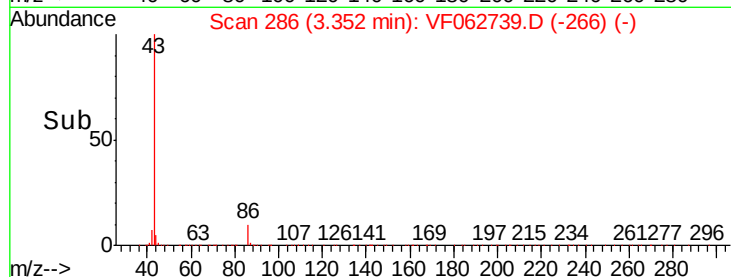
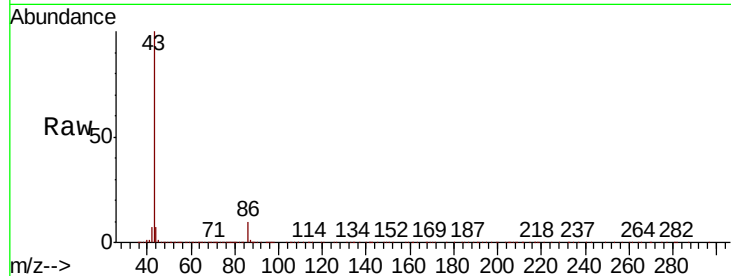
VSTDCCC050

Tot Ion: 43 Resp: 2582239

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.2



#24

1,1-Dichloroethane

Concen: 48.181 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

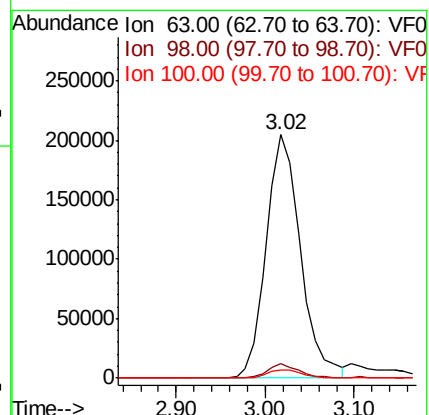
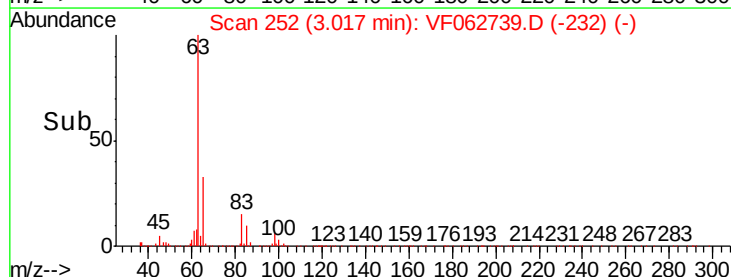
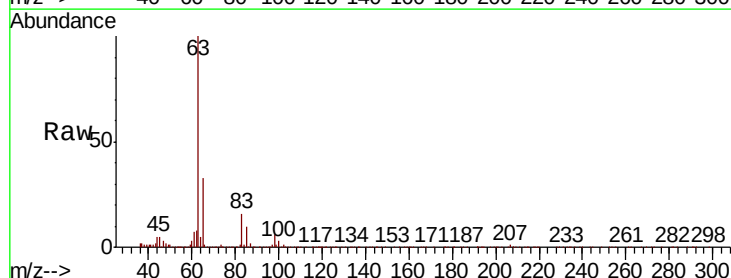
Tgt Ion: 63 Resp: 544887

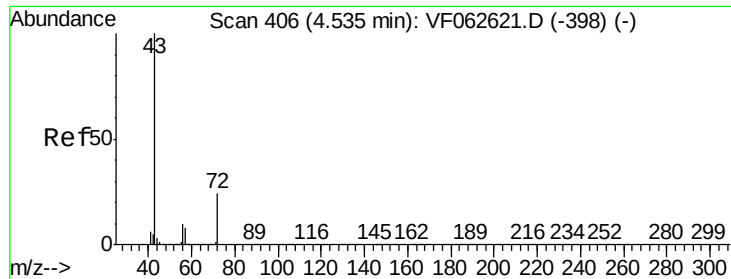
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

100 3.3 1.9 5.7





#25

2-Butanone

Concen: 253.508 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

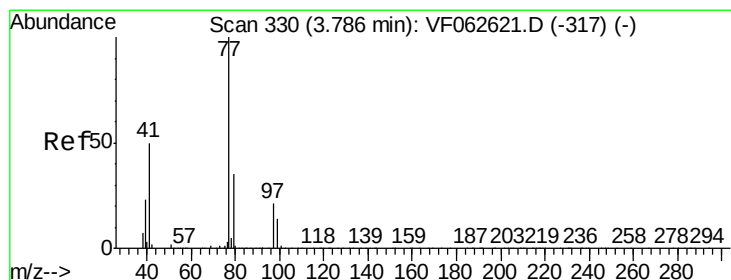
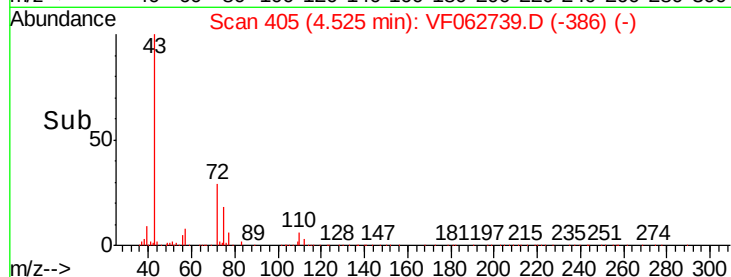
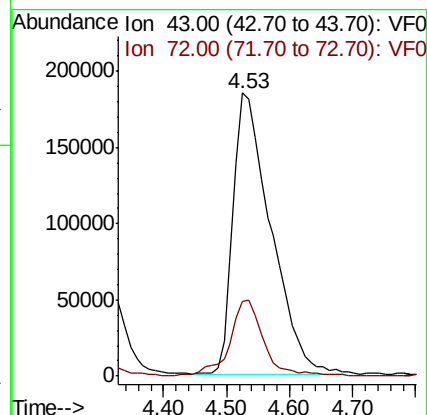
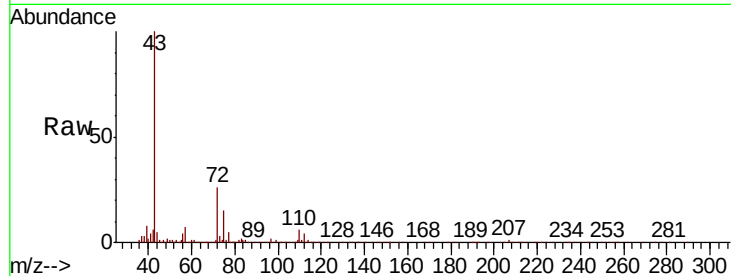
VSTDCCC050

Tot Ion: 43 Resp: 763341

Ion Ratio Lower Upper

43 100

72 26.2 20.1 30.1



#26

2,2-Dichloropropane

Concen: 50.178 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062739.D

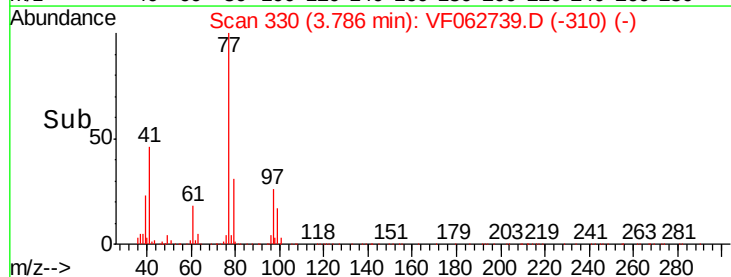
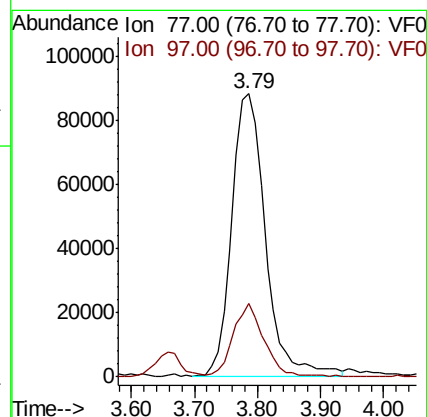
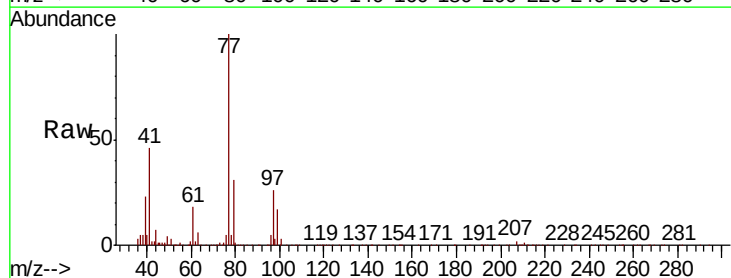
Acq: 24 May 2019 10:45

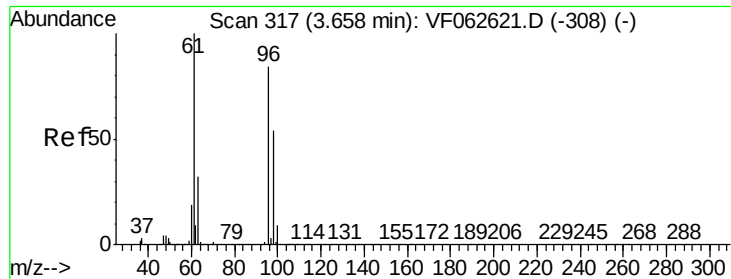
Tgt Ion: 77 Resp: 324681

Ion Ratio Lower Upper

77 100

97 26.0 14.1 42.4



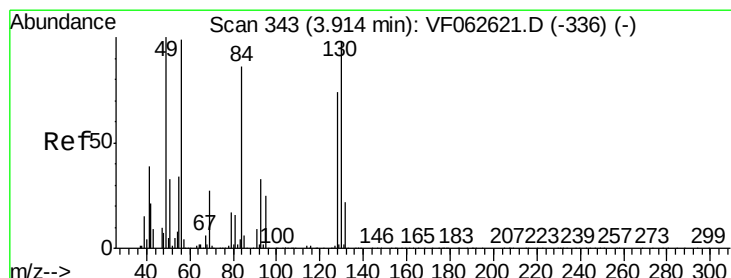
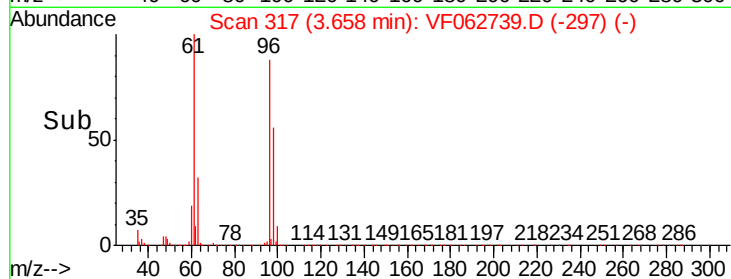
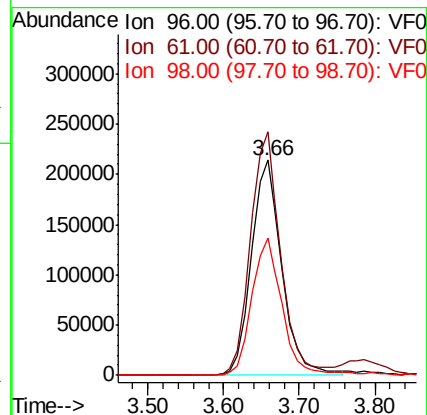
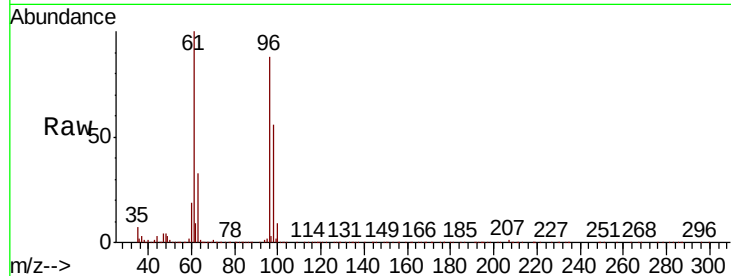


#27

cis-1,2-Dichloroethene
Concen: 53.598 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

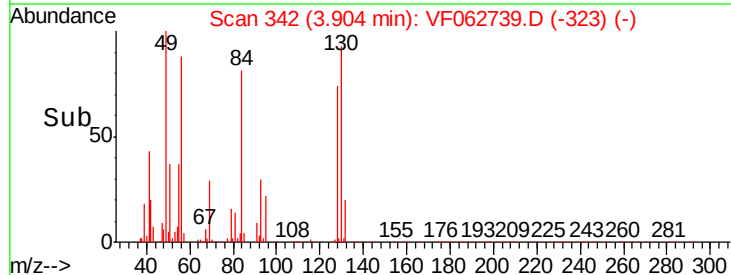
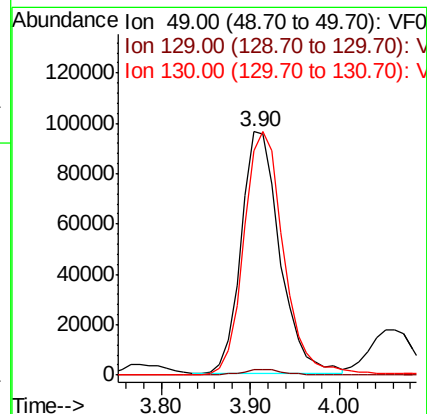
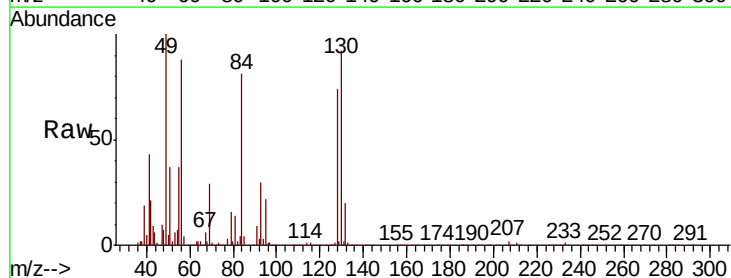
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.3	0.0	237.4
98	63.8	0.0	129.0

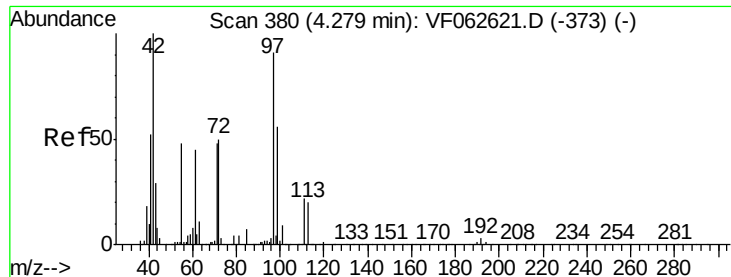


#28

Bromochloromethane
Concen: 45.933 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	92.3	77.8	116.8

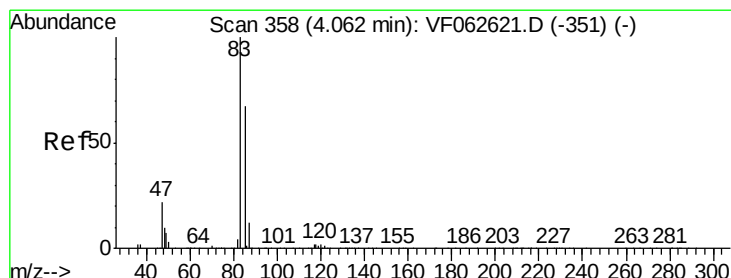
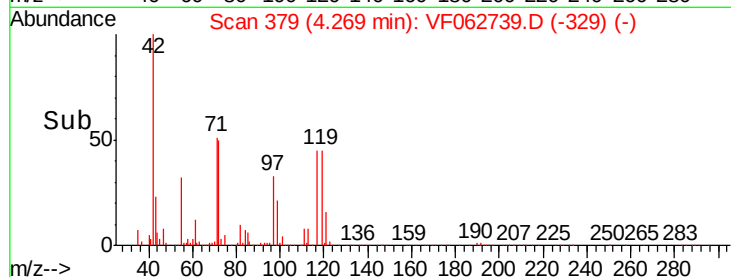
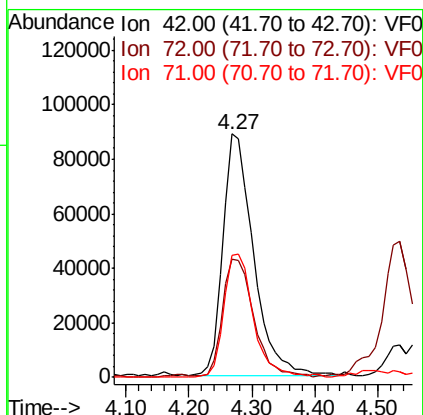
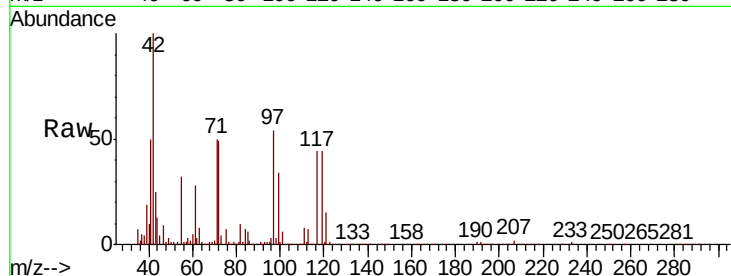




#29
Tetrahydrofuran
Concen: 243.398 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

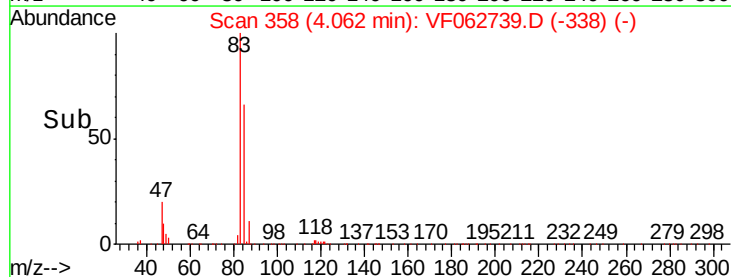
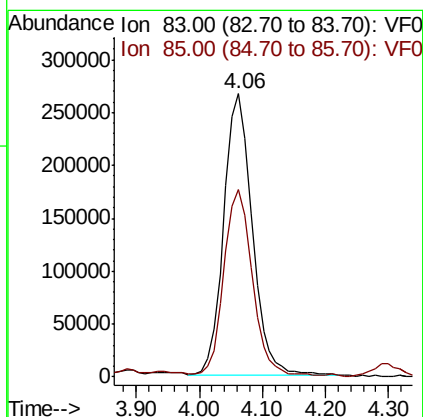
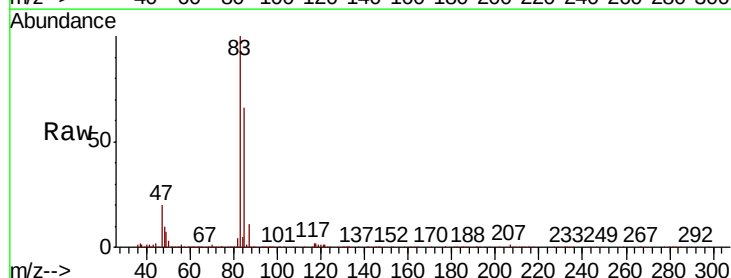
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

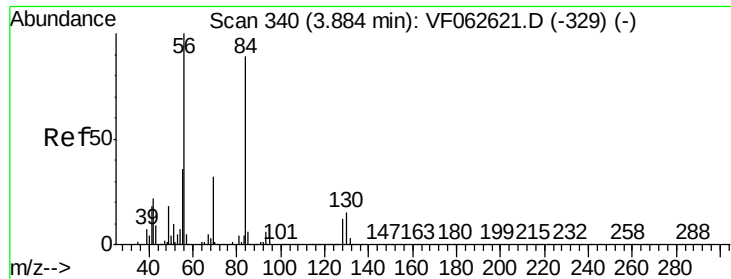
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	38.2	57.2
71	49.9	35.8	53.6



#30
Chloroform
Concen: 52.951 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.6	80.4

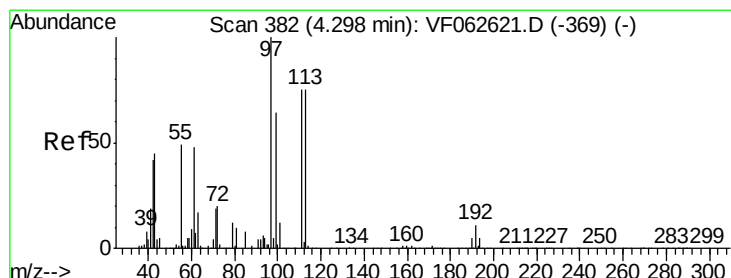
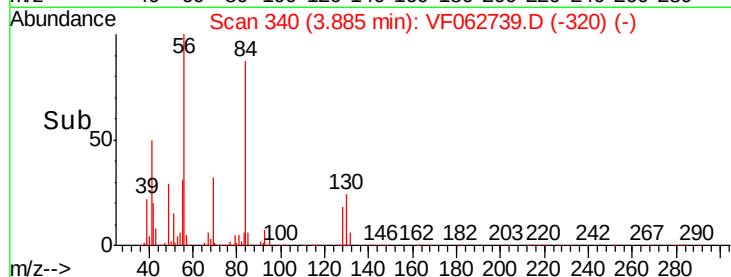
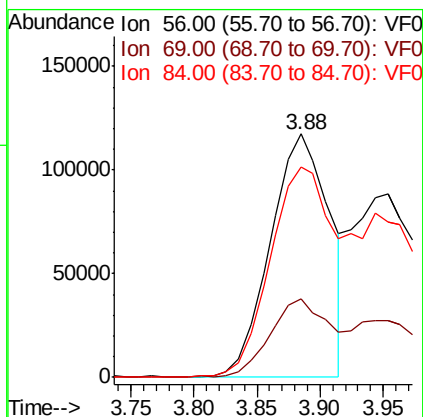
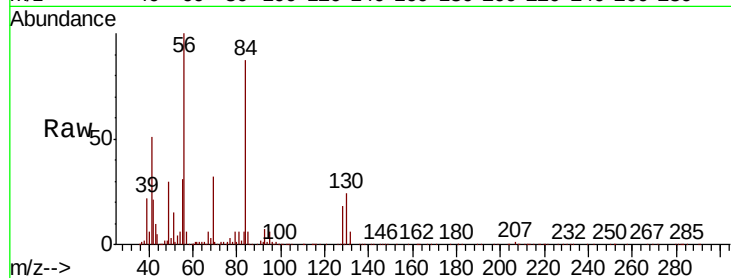




#31
Cyclohexane
Concen: 25.163 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

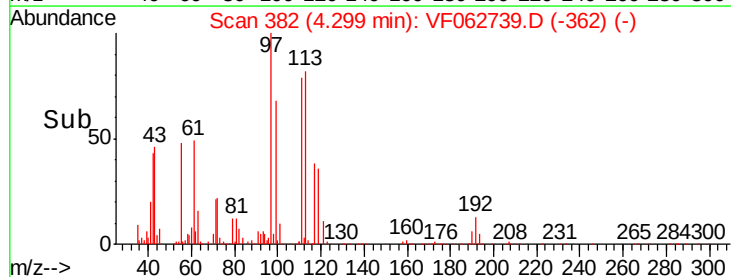
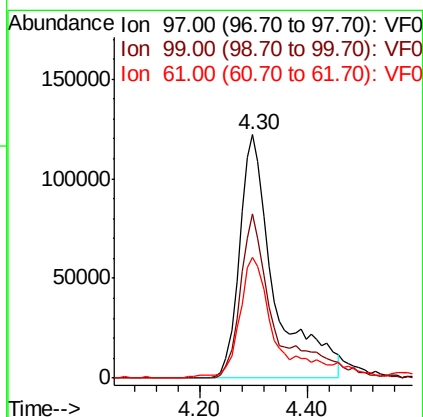
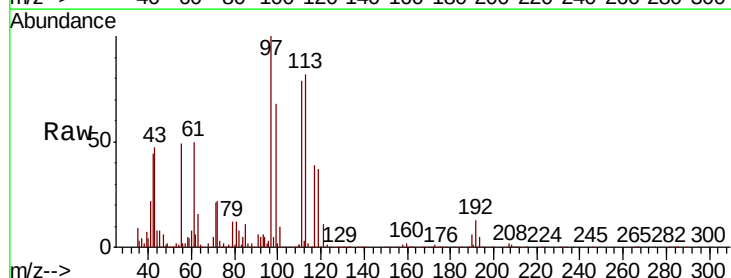
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

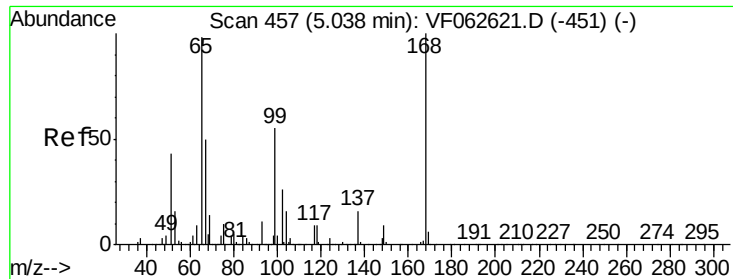
Tot Ion: 56 Resp: 382088
Ion Ratio Lower Upper
56 100
69 32.2 25.3 37.9
84 86.5 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 52.604 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 97 Resp: 548537
Ion Ratio Lower Upper
97 100
99 67.5 51.3 76.9
61 49.8 38.2 57.2

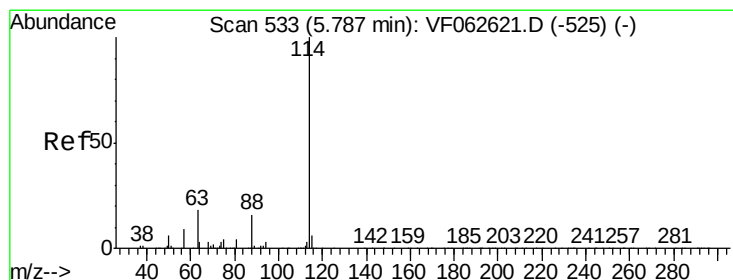
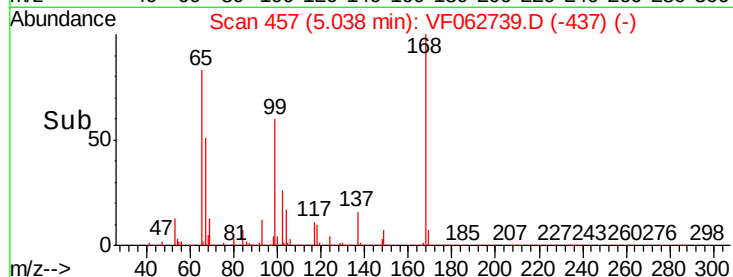
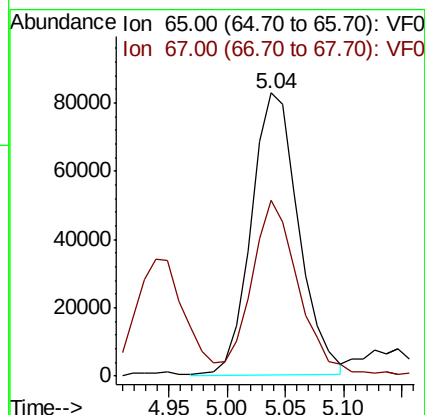
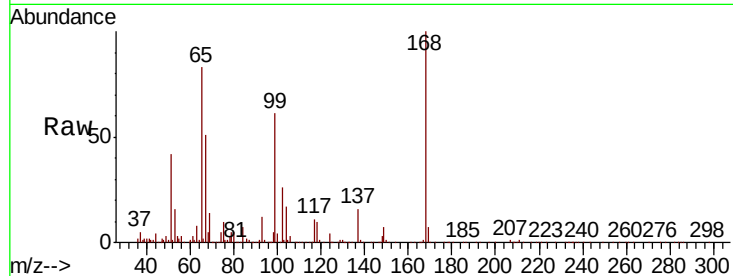




#33
 1,2-Dichloroethane-d4
 Concen: 42.639 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

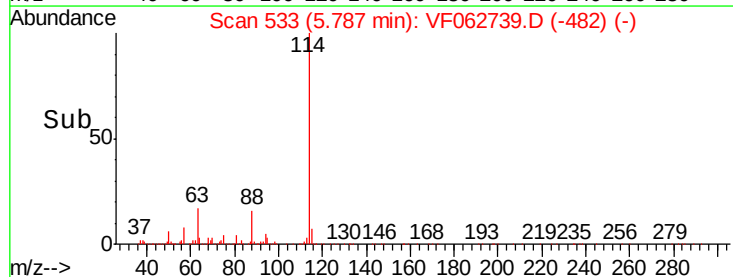
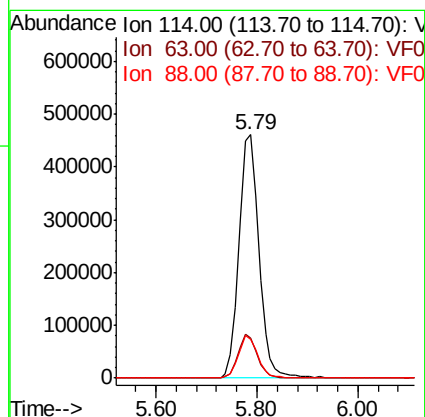
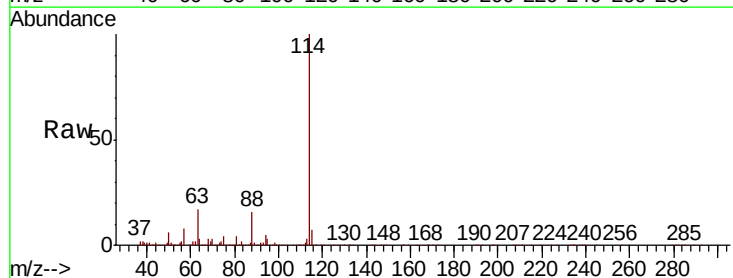
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

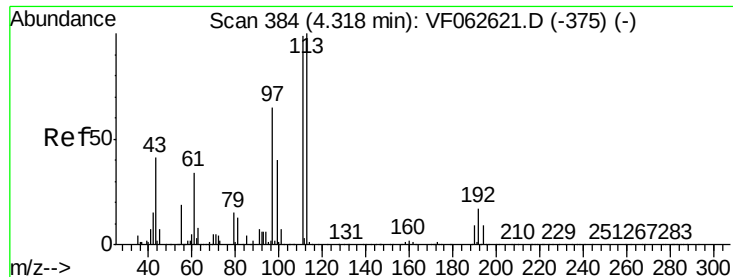
Tot Ion: 65 Resp: 231635
 Ion Ratio Lower Upper
 65 100
 67 61.9 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Tgt Ion: 114 Resp: 1251540
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 35.4
 88 16.1 0.0 32.4

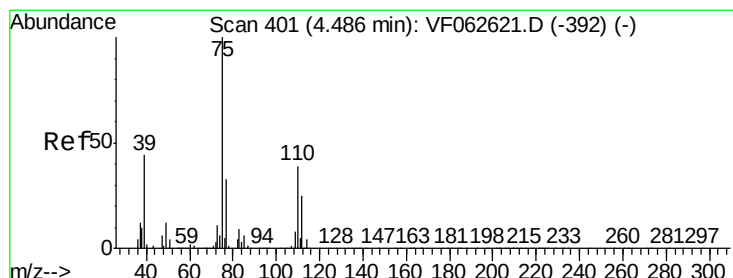
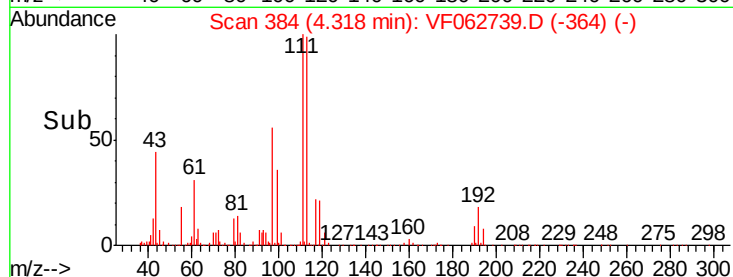
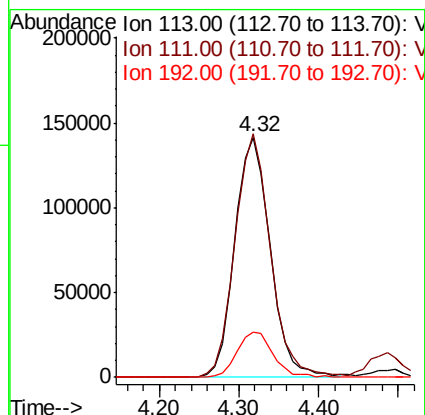
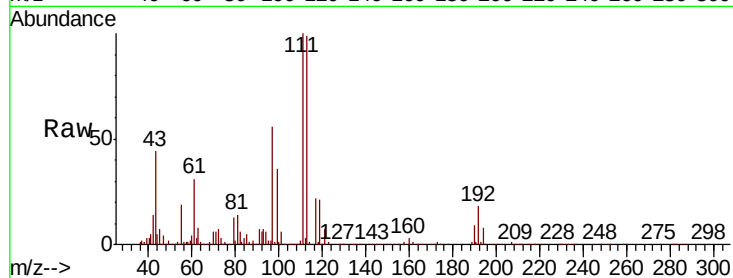




#35
 Dibromofluoromethane
 Concen: 45.891 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

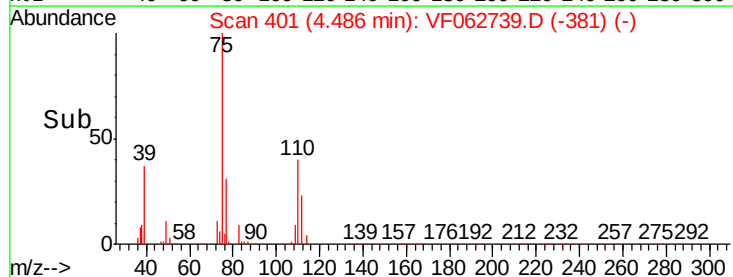
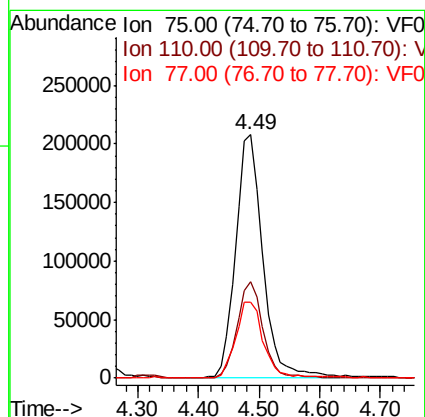
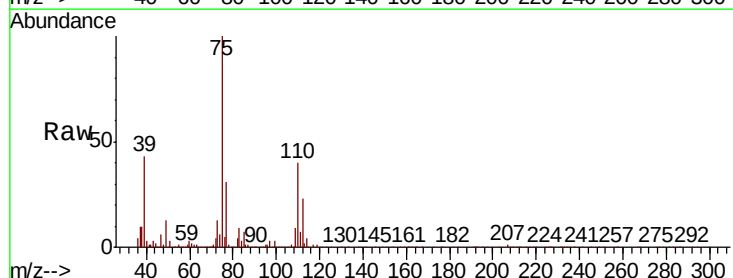
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

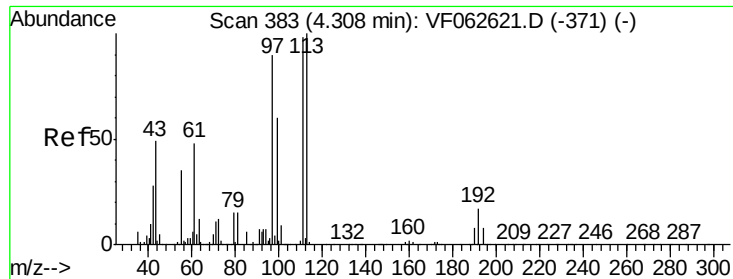
Tot Ion:113 Resp: 439489
 Ion Ratio Lower Upper
 113 100
 111 101.5 79.4 119.2
 192 18.7 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 50.291 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Tgt Ion: 75 Resp: 644959
 Ion Ratio Lower Upper
 75 100
 110 39.8 19.7 59.1
 77 31.3 26.3 39.5

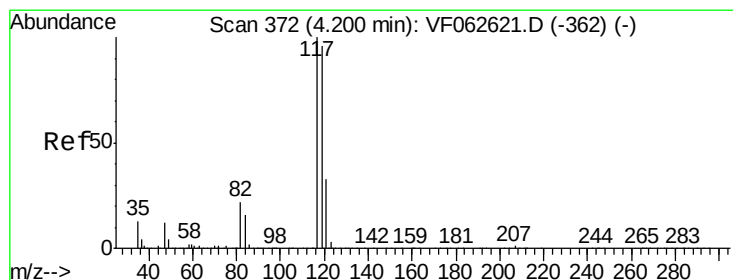
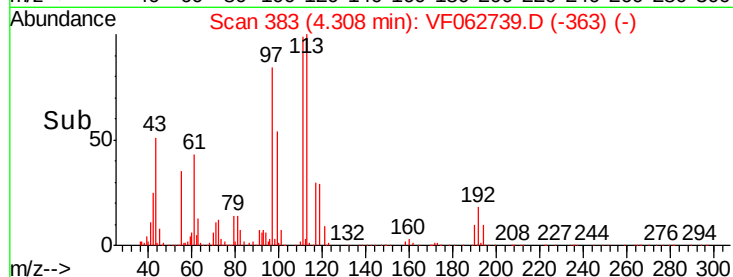
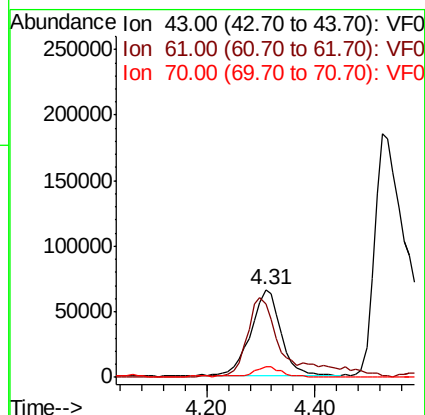
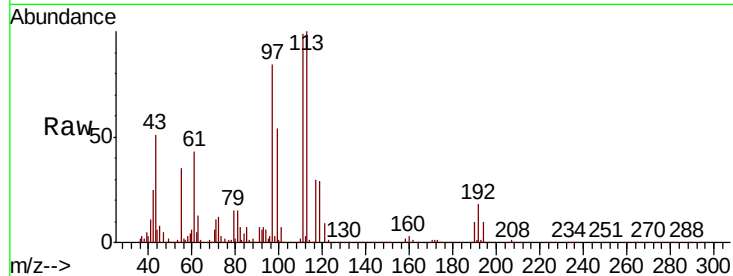




#37
Ethyl Acetate
Concen: 48.932 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

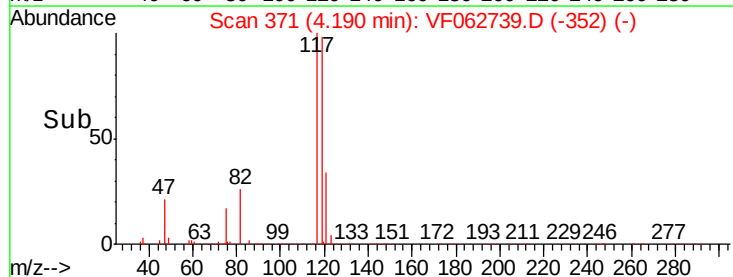
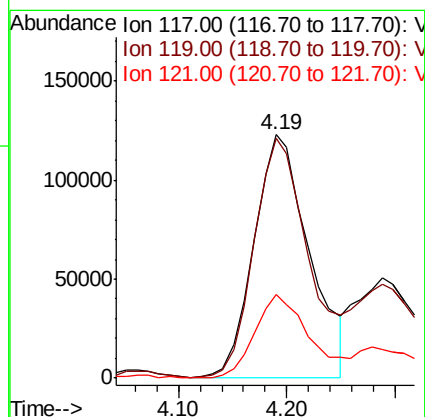
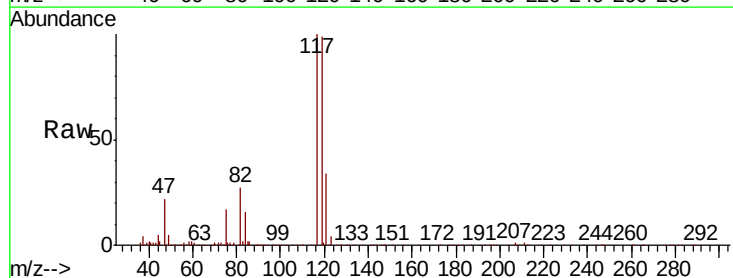
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

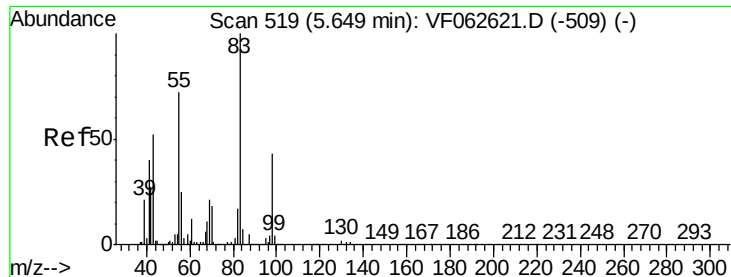
Tot Ion	43	Resp	256219
Ion Ratio	Lower	Upper	
43	100		
61	83.9	76.9	115.3
70	11.5	8.8	13.2



#38
Carbon Tetrachloride
Concen: 45.495 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion	117	Resp	438794
Ion Ratio	Lower	Upper	
117	100		
119	98.6	76.7	115.1
121	34.2	26.6	40.0

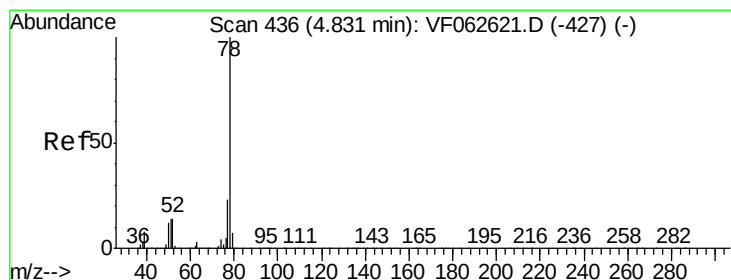
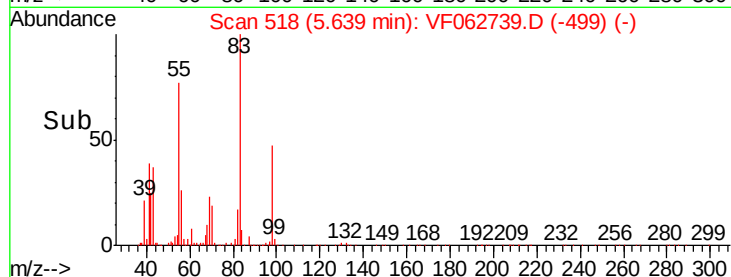
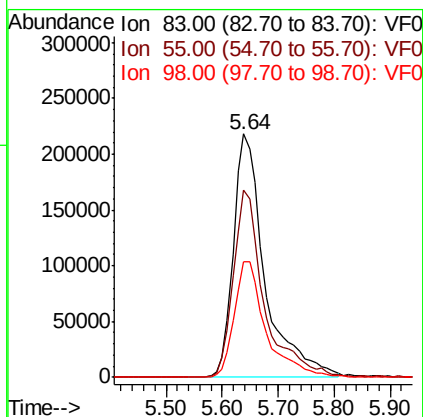
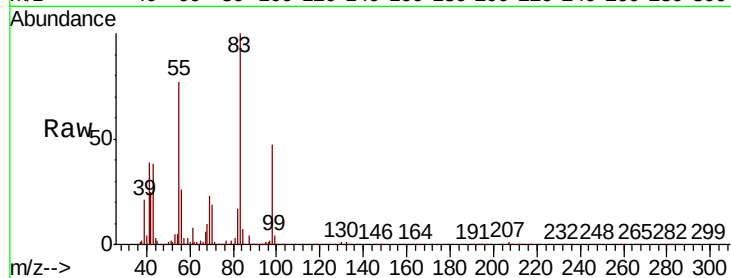




#39
Methylvlcyclohexane
Concen: 55.379 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

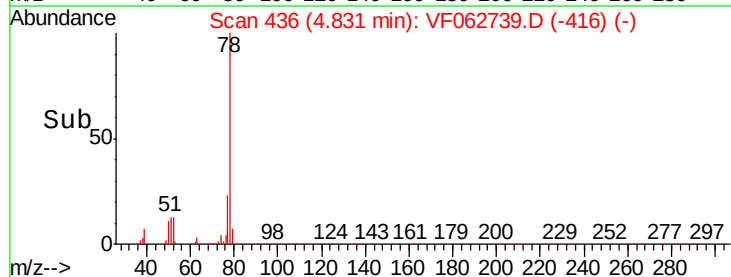
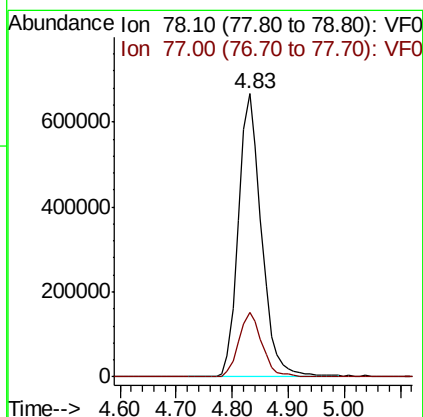
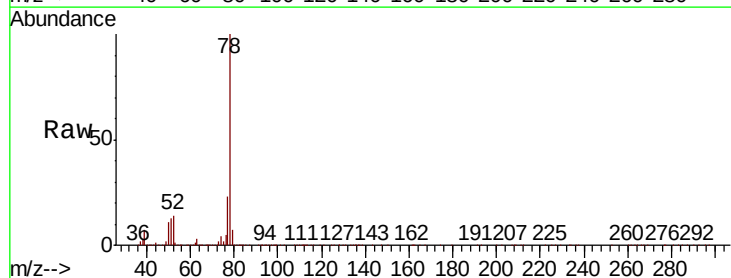
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

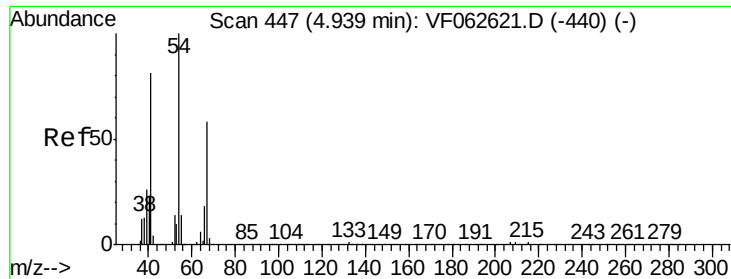
Tot Ion	83.00	Resp	854552
Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.9	86.9
98	47.5	34.6	52.0



#40
Benzene
Concen: 54.492 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion	78	Resp	1903783
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2





#41

Methacrylonitrile

Concen: 50.486 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 138594

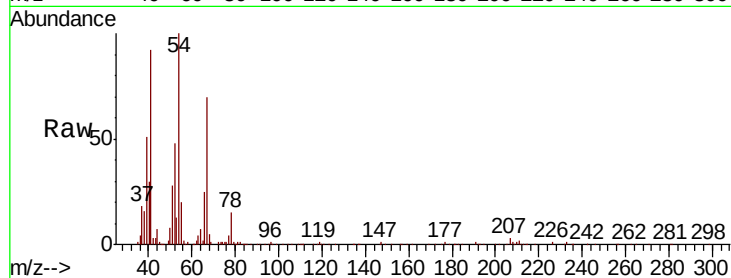
Ion Ratio Lower Upper

41 100

39 55.5 42.2 63.2

67 76.7 56.4 84.6

52 52.4 38.8 58.2

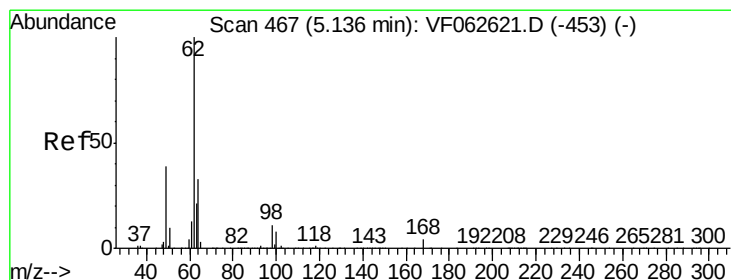
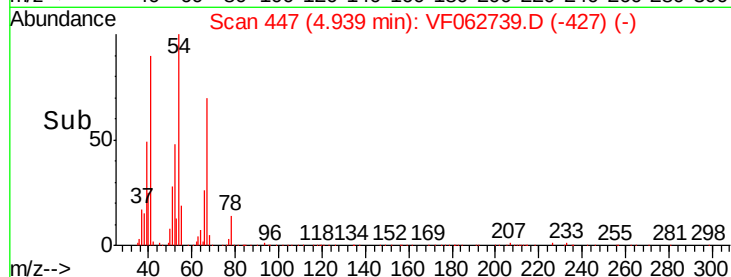
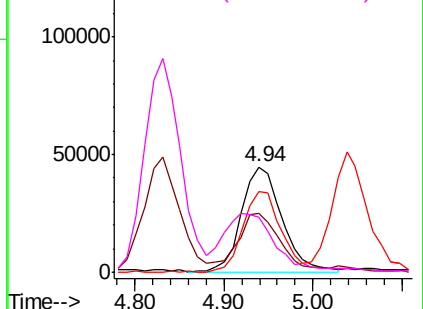


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 53.446 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF062739.D

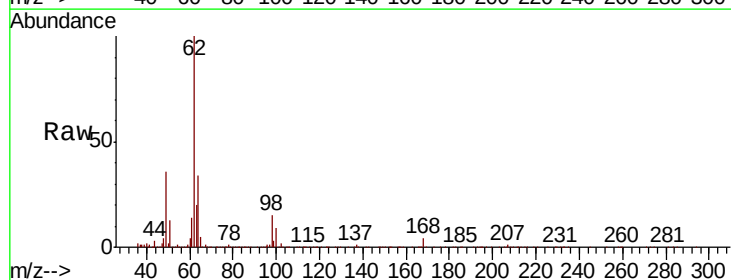
Acq: 24 May 2019 10:45

Tgt Ion: 62 Resp: 372363

Ion Ratio Lower Upper

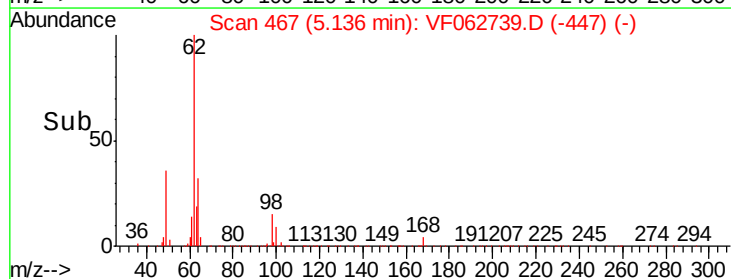
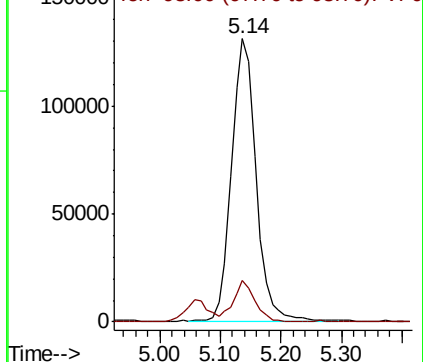
62 100

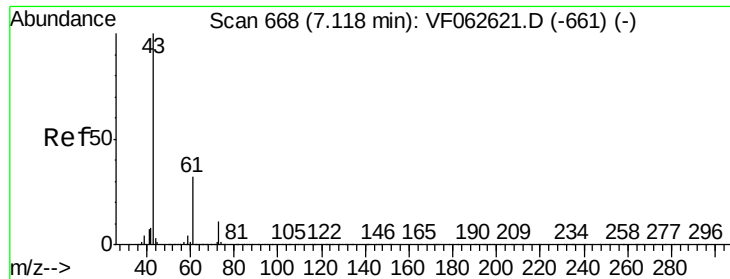
98 14.6 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 49.225 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

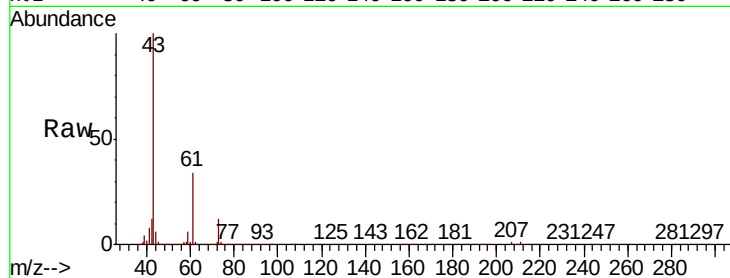
Tot Ion: 43 Resp: 333932

Ion Ratio Lower Upper

43 100

61 34.3 25.8 38.8

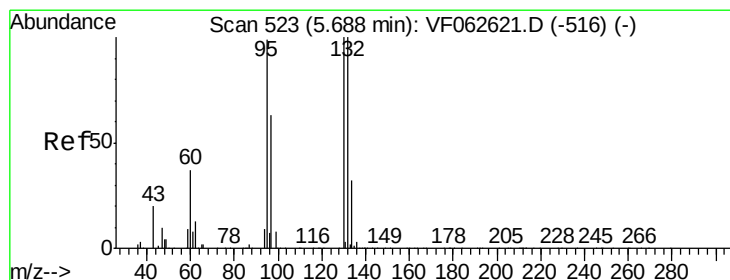
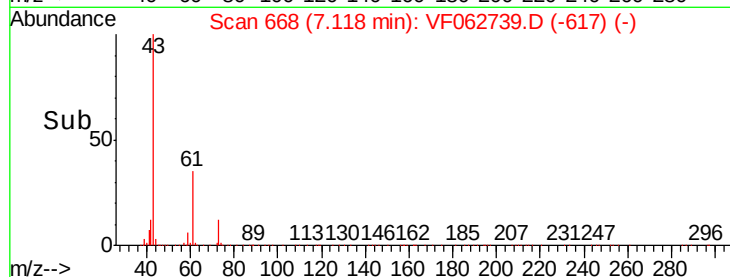
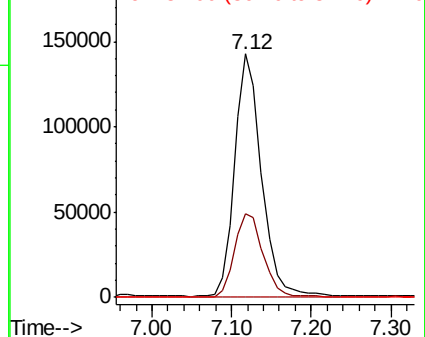
87 0.4 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 55.162 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062739.D

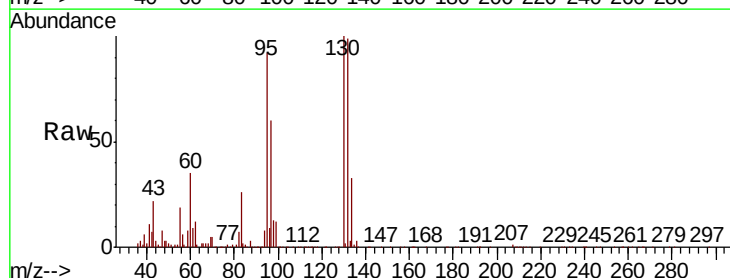
Acq: 24 May 2019 10:45

Tgt Ion: 130 Resp: 541648

Ion Ratio Lower Upper

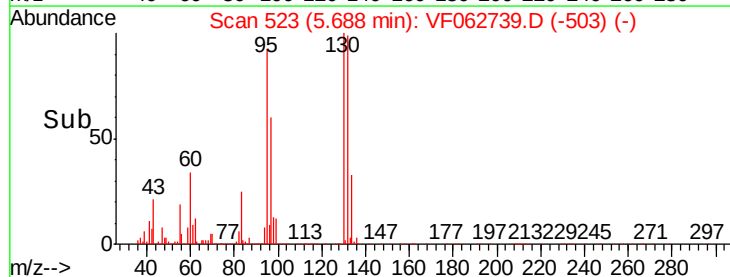
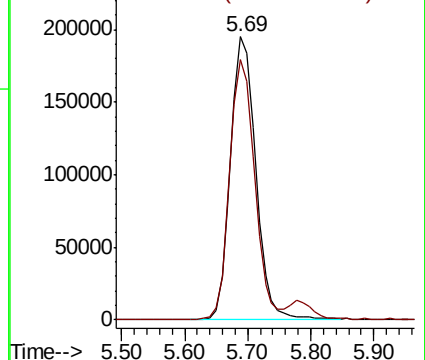
130 100

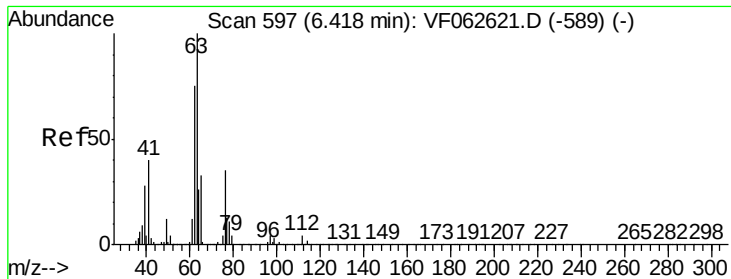
95 92.2 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 55.737 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

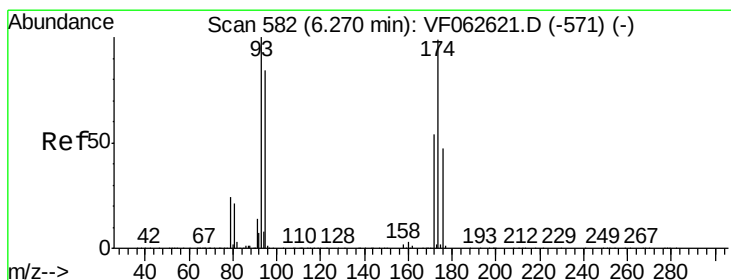
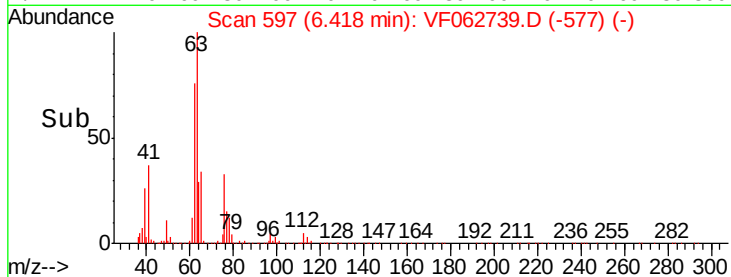
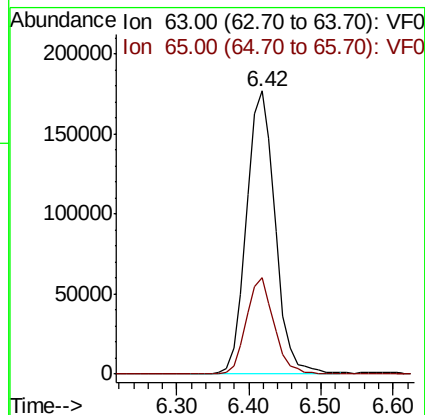
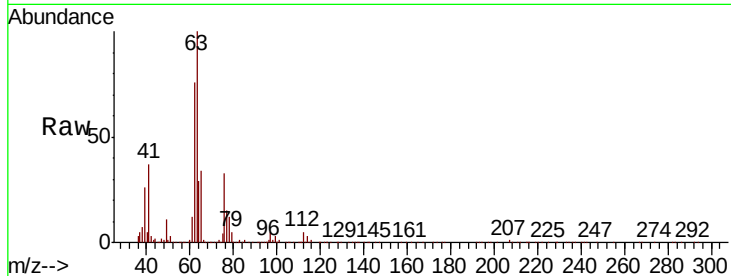
VSTDCCC050

Tot Ion: 63 Resp: 491563

Ion Ratio Lower Upper

63 100

65 34.0 26.3 39.5



#46

Dibromomethane

Concen: 56.730 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

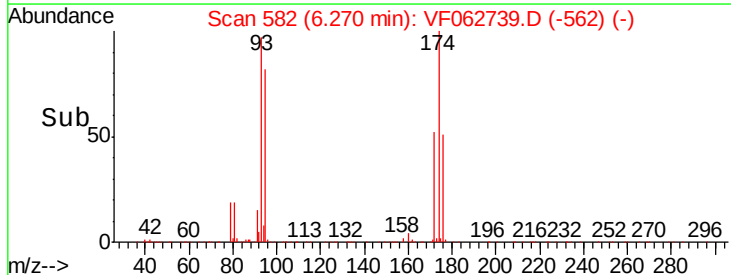
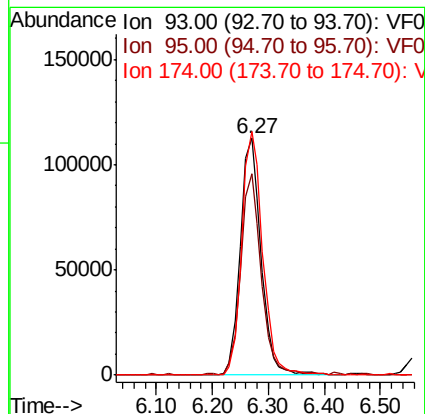
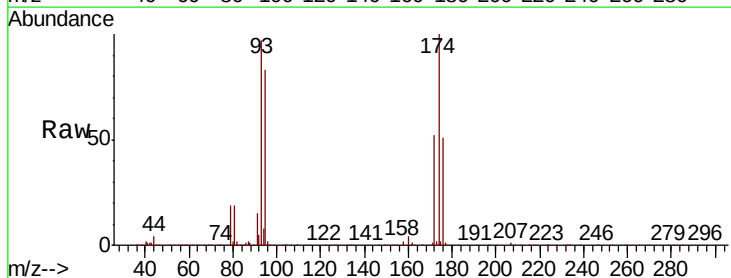
Tgt Ion: 93 Resp: 289151

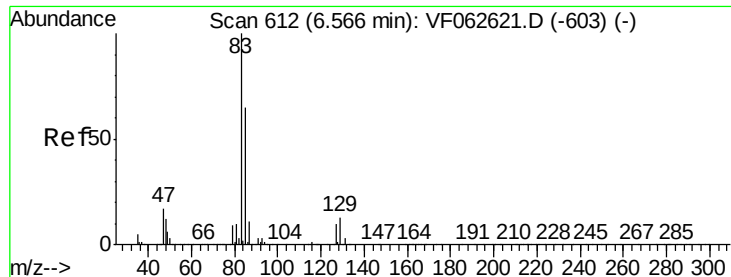
Ion Ratio Lower Upper

93 100

95 85.0 67.4 101.2

174 102.9 79.4 119.2





#47

Bromodichloromethane

Concen: 54.796 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

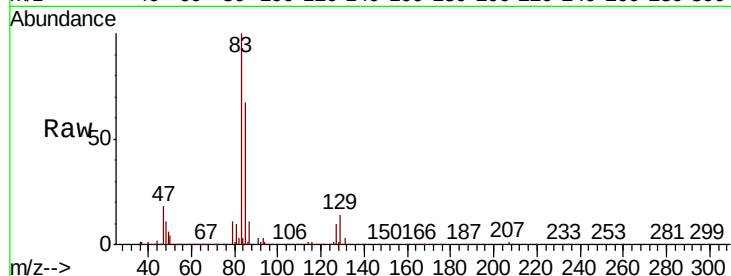
Tot Ion: 83 Resp: 579817

Ion Ratio Lower Upper

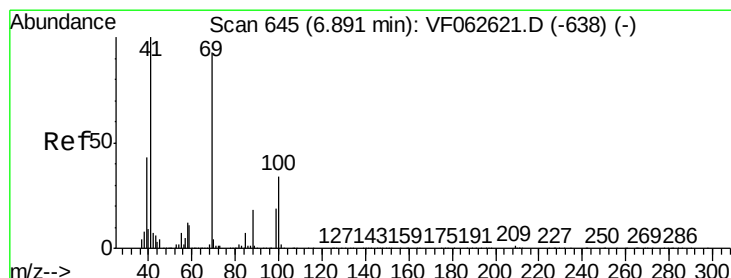
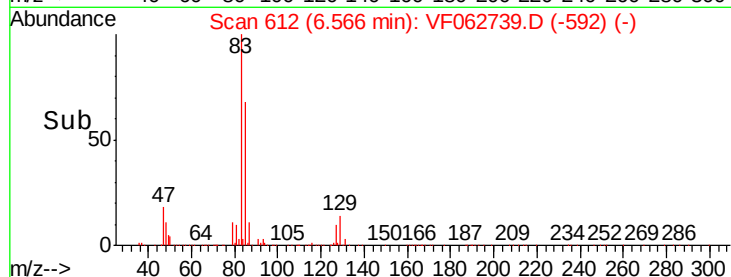
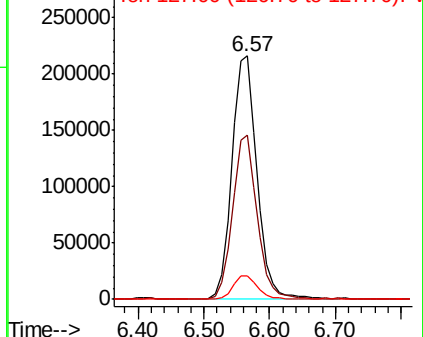
83 100

85 67.5 52.0 78.0

127 9.7 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 50.119 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

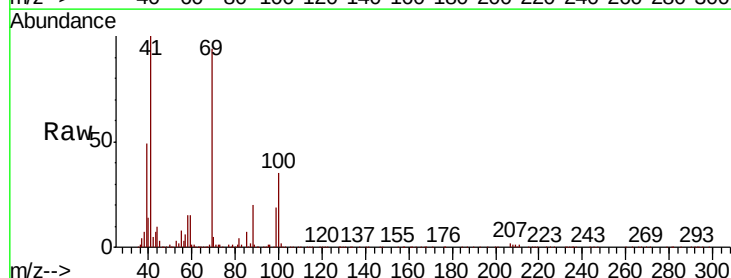
Tgt Ion: 41 Resp: 177710

Ion Ratio Lower Upper

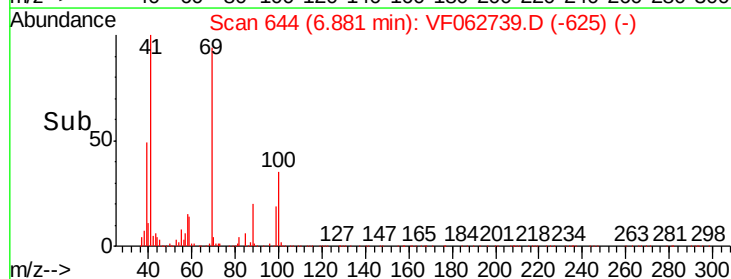
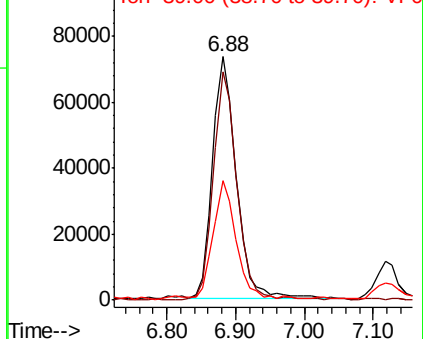
41 100

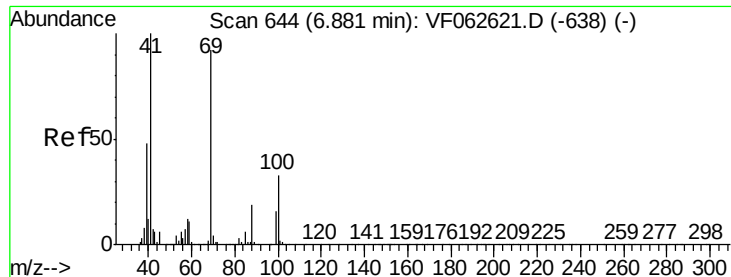
69 93.7 74.2 111.2

39 49.1 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

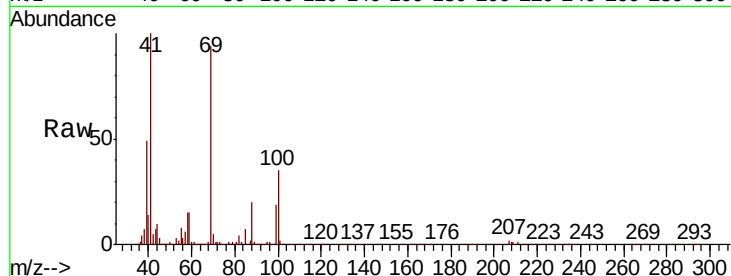




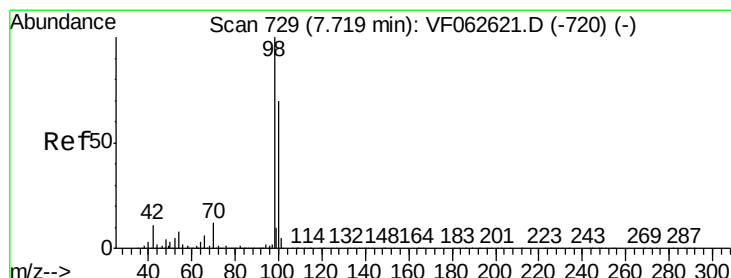
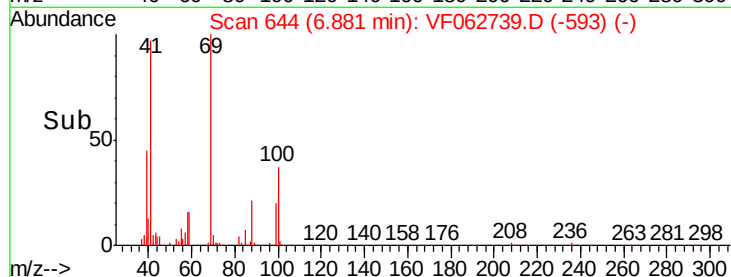
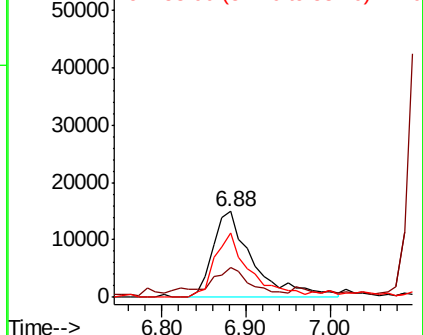
#49
1,4-Dioxane
Concen: 1063.117 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 48280
Ion Ratio Lower Upper
88 100
43 34.1 30.0 45.0
58 75.6 51.1 76.7

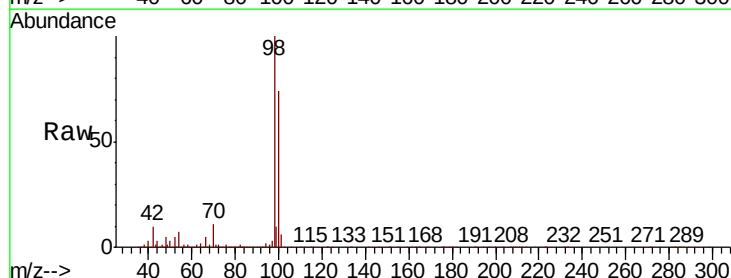


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

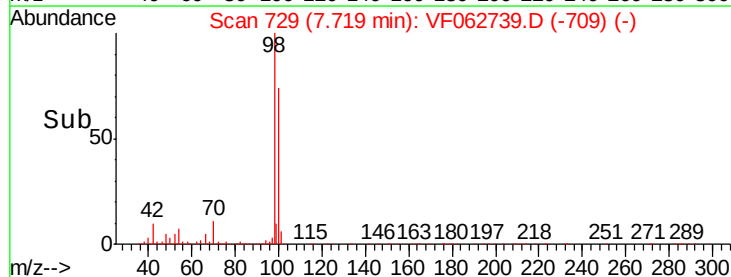
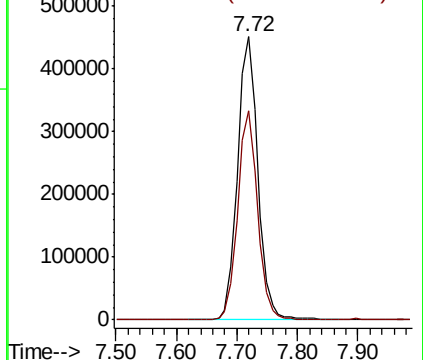


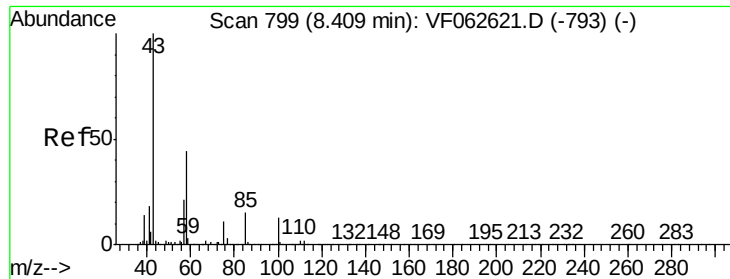
#50
Toluene-d8
Concen: 46.109 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 98 Resp: 1054328
Ion Ratio Lower Upper
98 100
100 73.7 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 250.187 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

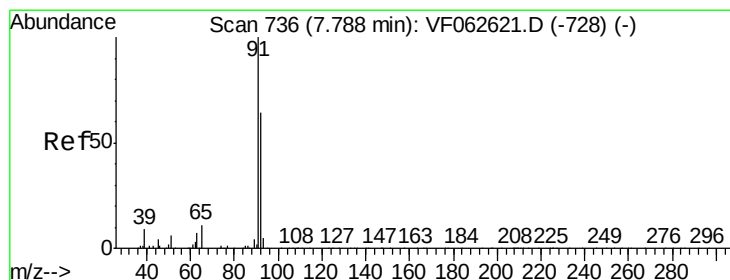
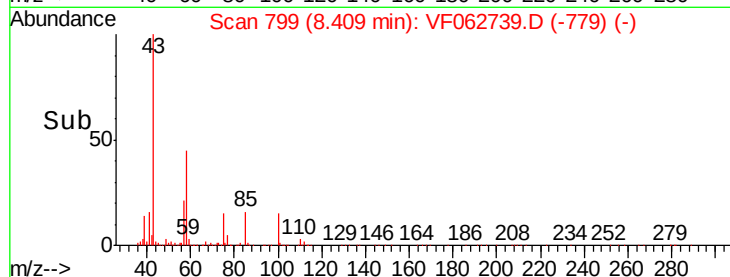
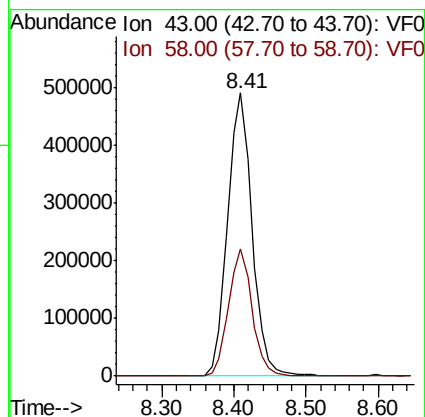
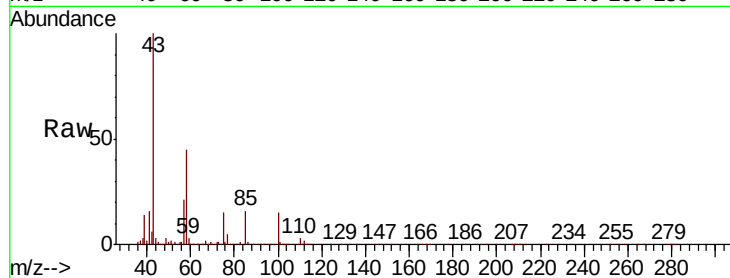
VSTDCCC050

Tot Ion: 43 Resp: 1160105

Ion Ratio Lower Upper

43 100

58 45.1 34.9 52.3



#52

Toluene

Concen: 57.510 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062739.D

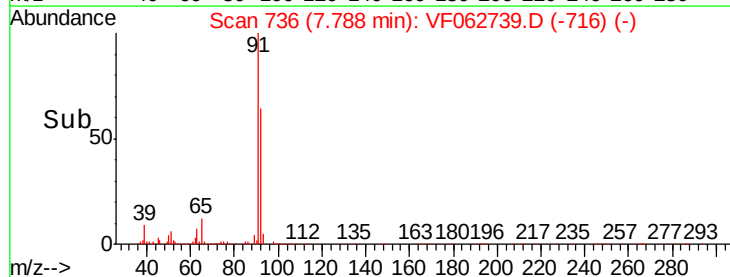
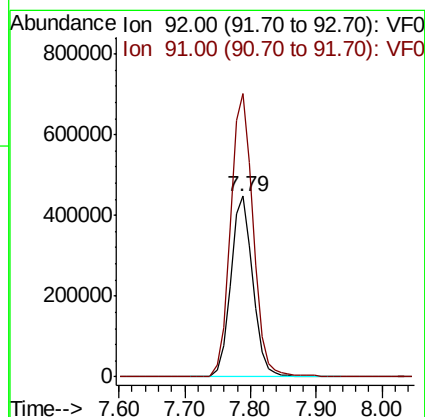
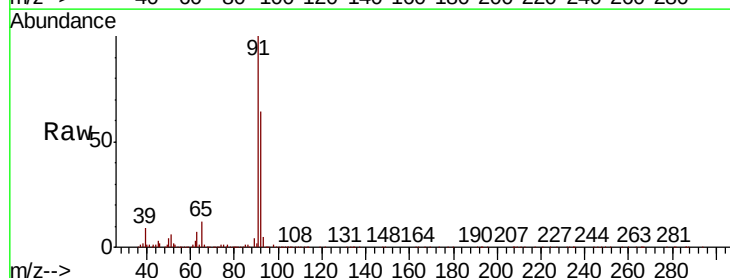
Acq: 24 May 2019 10:45

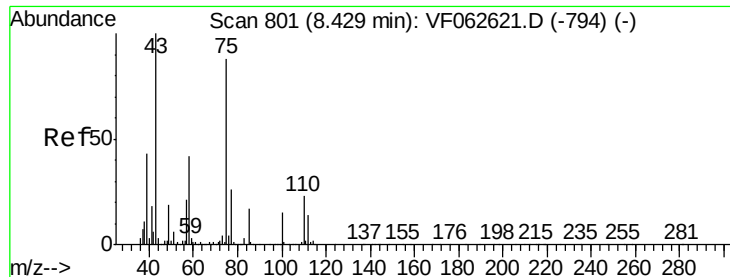
Tgt Ion: 92 Resp: 1053735

Ion Ratio Lower Upper

92 100

91 156.9 125.4 188.0

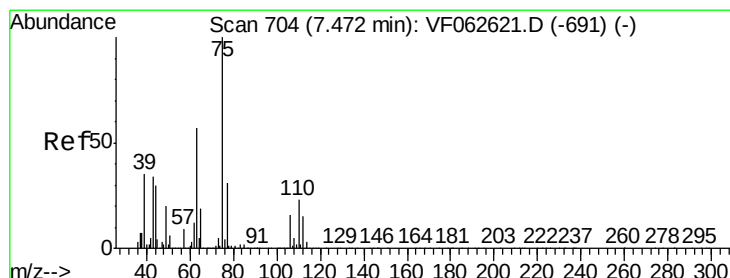
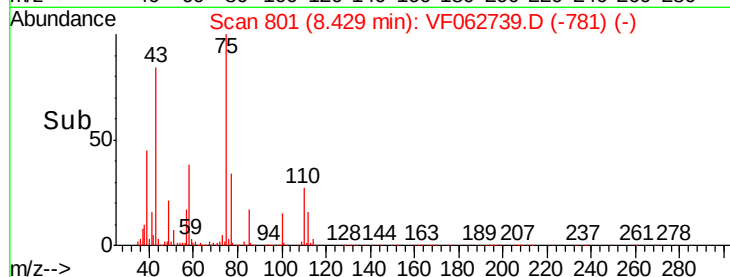
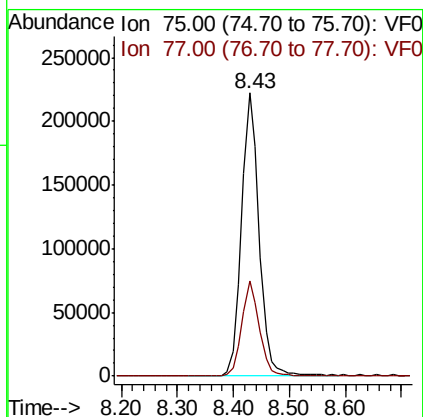
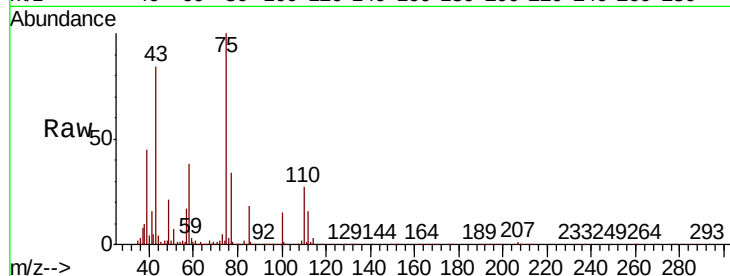




#53
t-1,3-Dichloropropene
Concen: 55.890 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

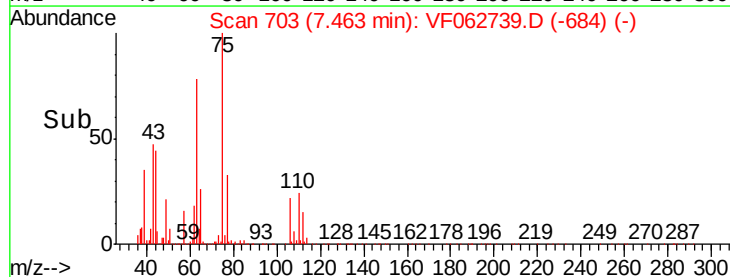
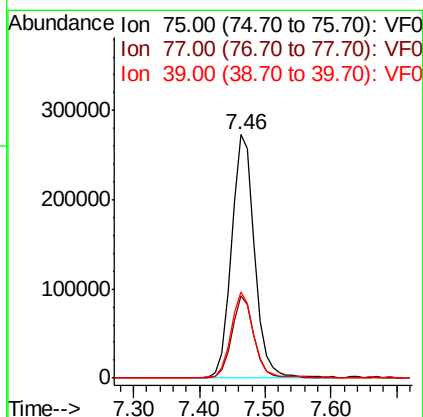
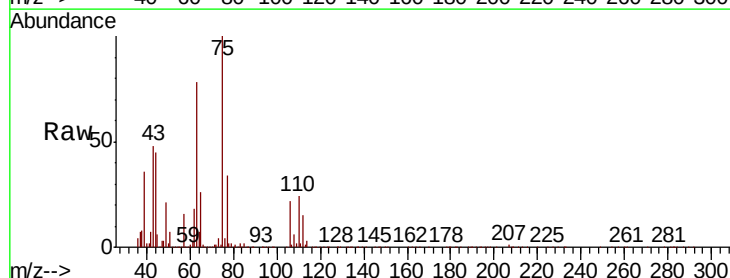
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

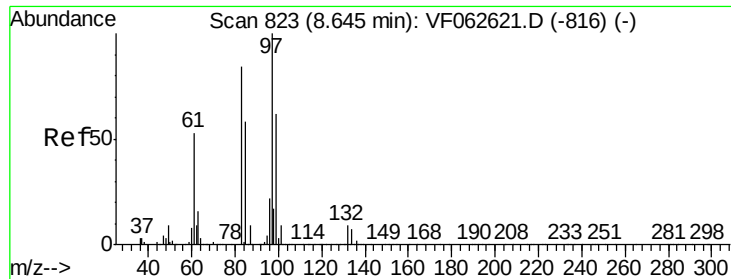
Tot Ion: 75 Resp: 483833
Ion Ratio Lower Upper
75 100
77 33.8 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 55.535 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 75 Resp: 672977
Ion Ratio Lower Upper
75 100
77 33.6 25.3 37.9
39 35.6 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 56.369 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 305808

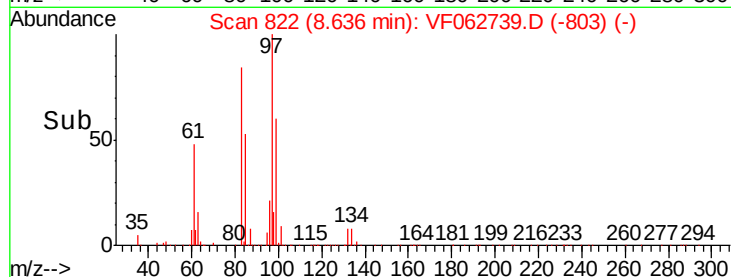
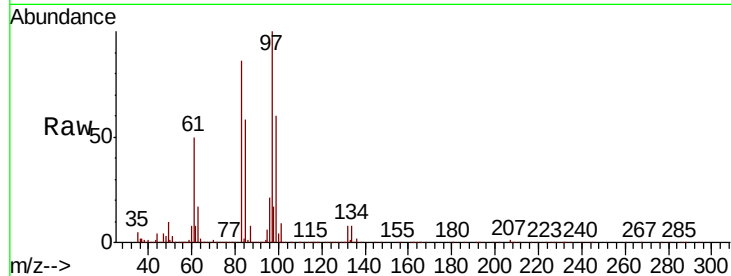
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.3	100.9
85	57.6	46.6	69.8
99	60.3	49.7	74.5

97 100

83 86.3 67.3 100.9

85 57.6 46.6 69.8

99 60.3 49.7 74.5

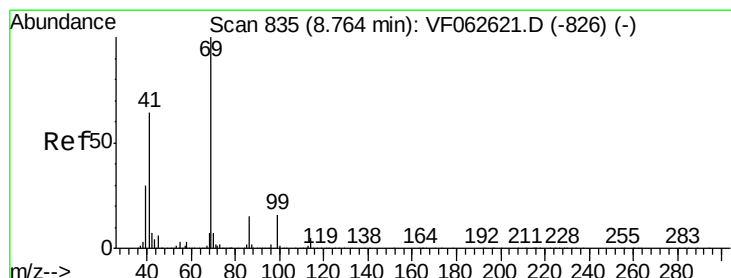
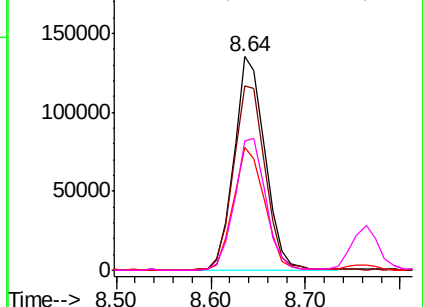


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.207 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

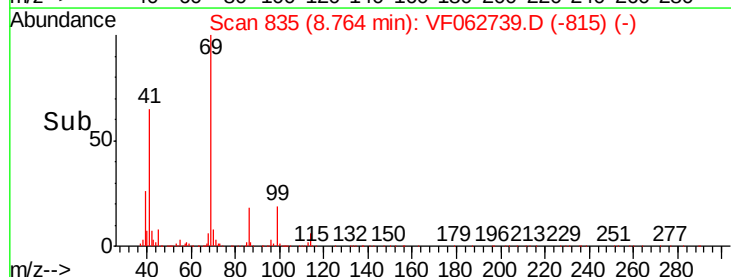
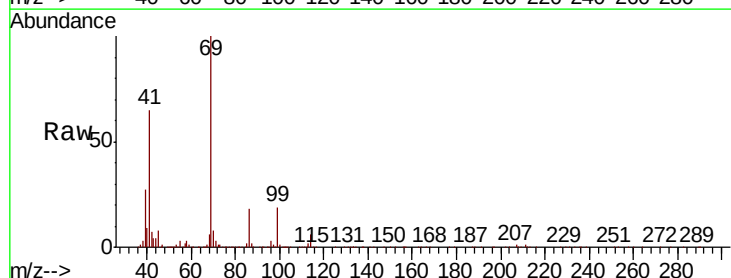
Tgt Ion: 69 Resp: 330970

Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.4	77.2
39	26.7	23.6	35.4

69 100

41 64.9 51.4 77.2

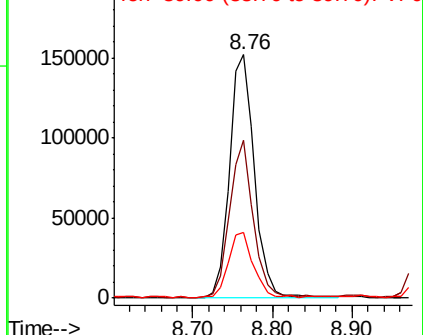
39 26.7 23.6 35.4

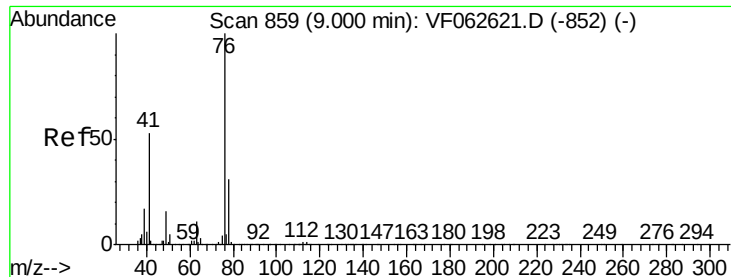


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

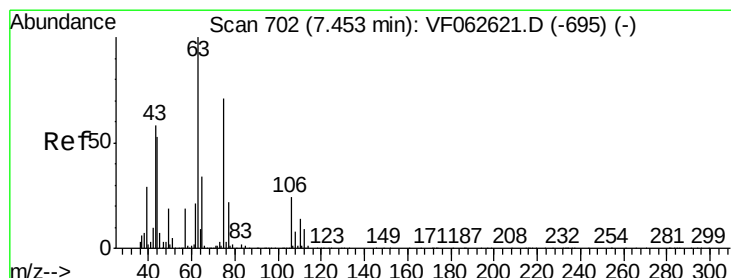
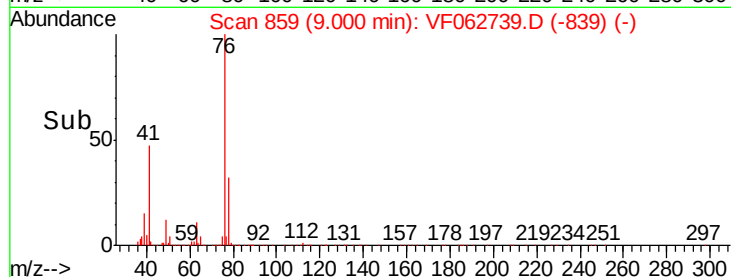
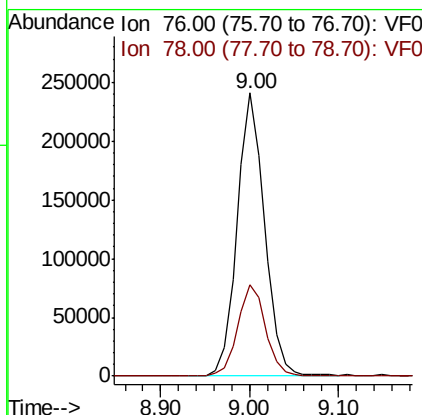
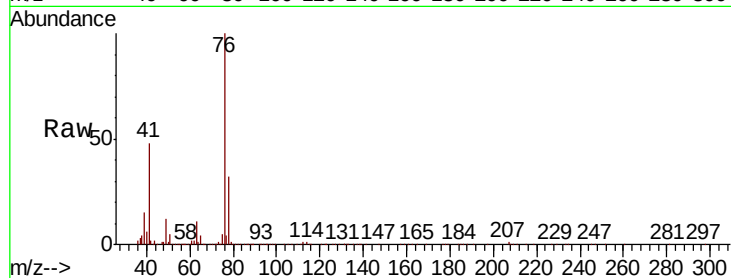




#57
 1,3-Dichloropropane
 Concen: 55.996 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

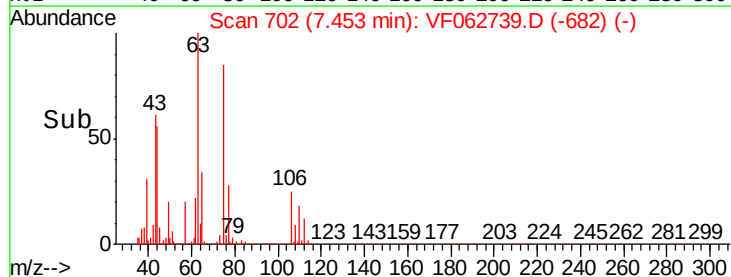
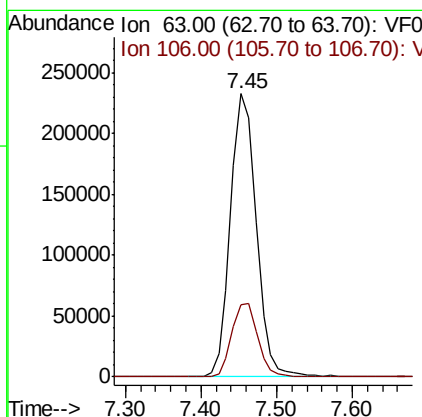
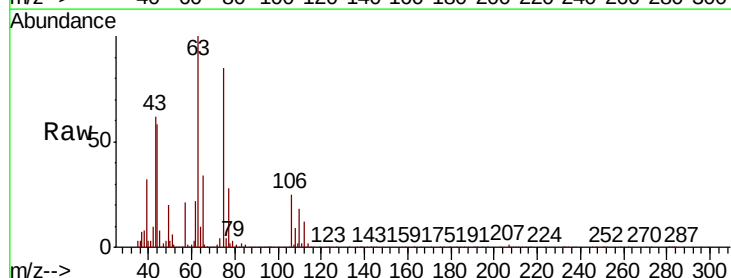
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

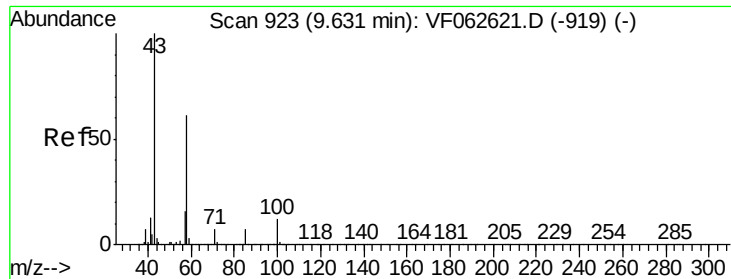
Tot Ion: 76 Resp: 517437
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.705 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Tgt Ion: 63 Resp: 546371
 Ion Ratio Lower Upper
 63 100
 106 25.5 19.1 28.7

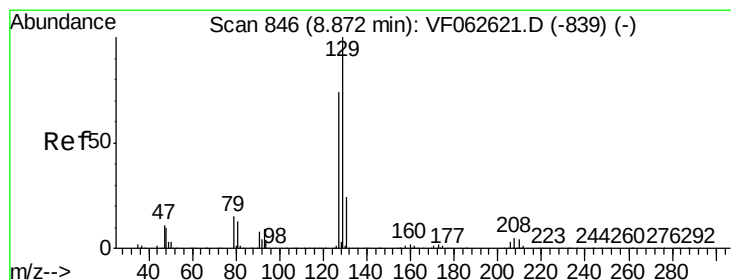
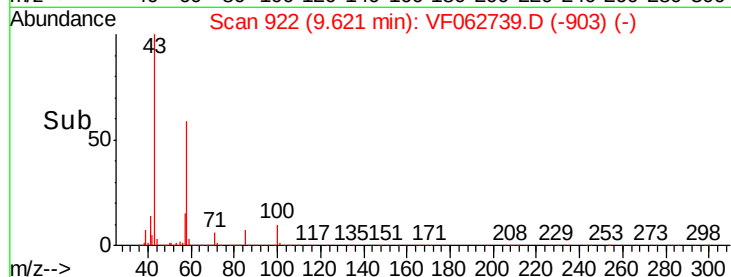
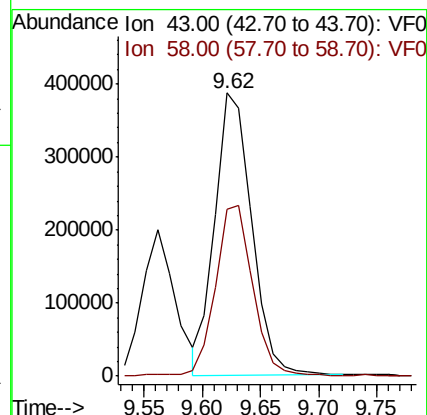
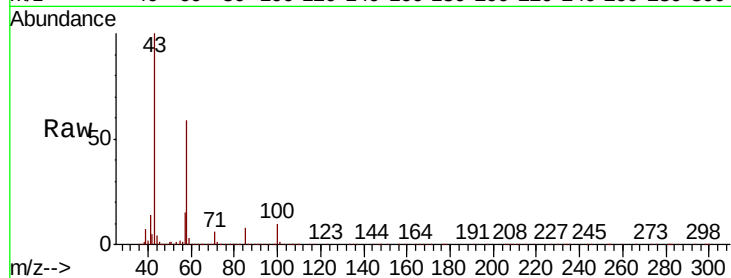




#59
2-Hexanone
Concen: 284.064 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

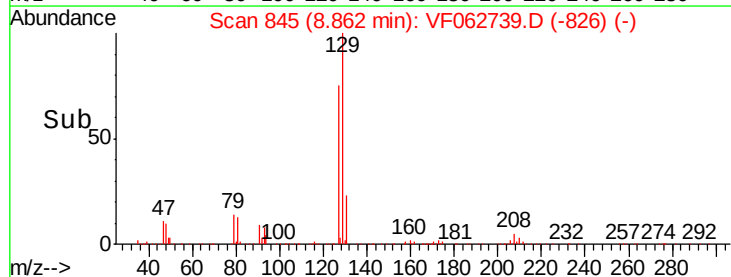
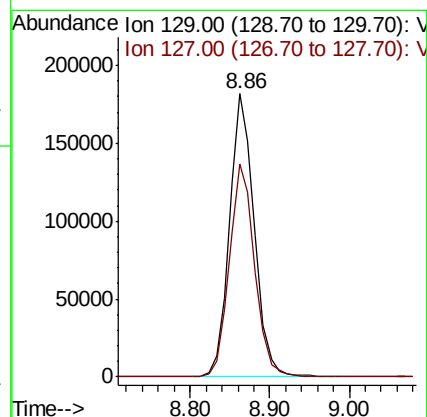
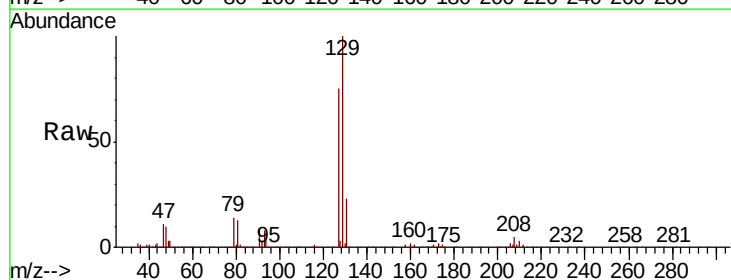
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

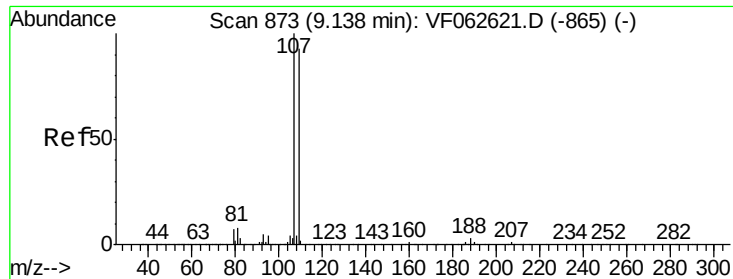
Tot Ion: 43 Resp: 849651
Ion Ratio Lower Upper
43 100
58 58.8 28.1 84.4



#60
Dibromochloromethane
Concen: 56.275 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 129 Resp: 397900
Ion Ratio Lower Upper
129 100
127 75.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 56.464 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

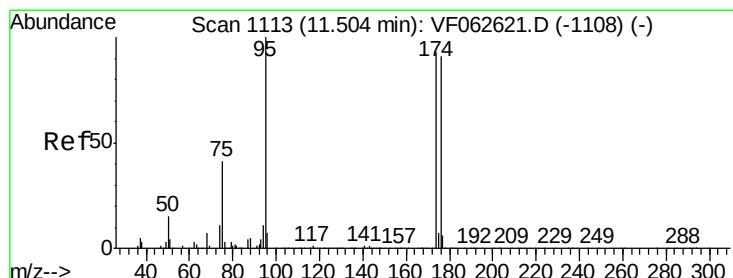
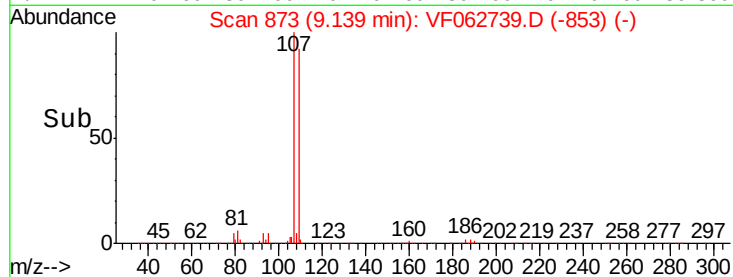
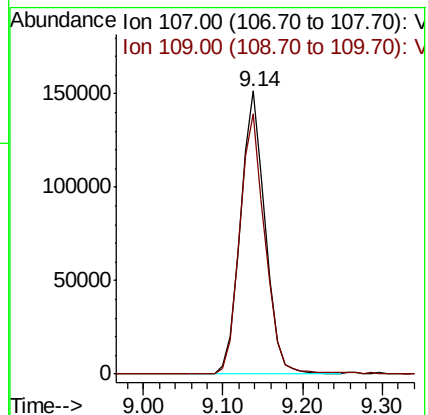
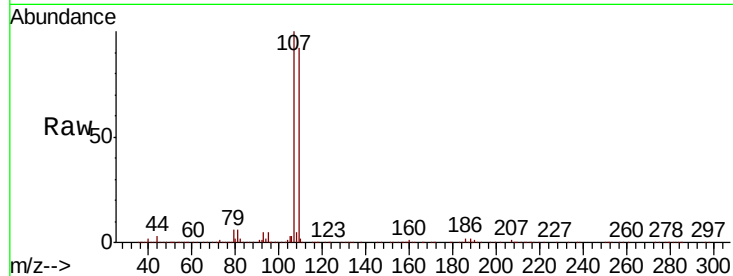
VSTDCCC050

Tot Ion:107 Resp: 325359

Ion Ratio Lower Upper

107 100

109 92.1 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 43.403 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

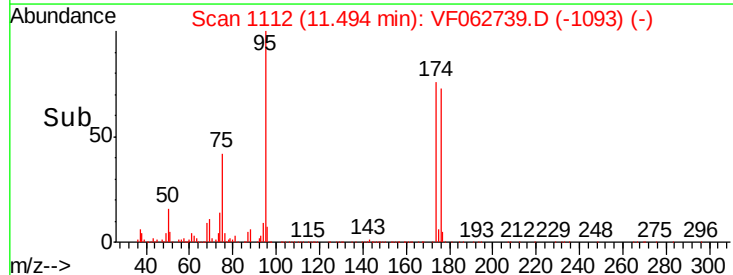
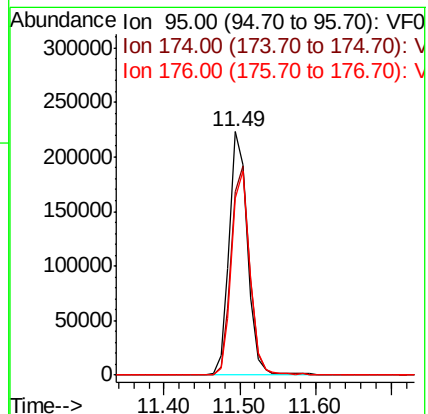
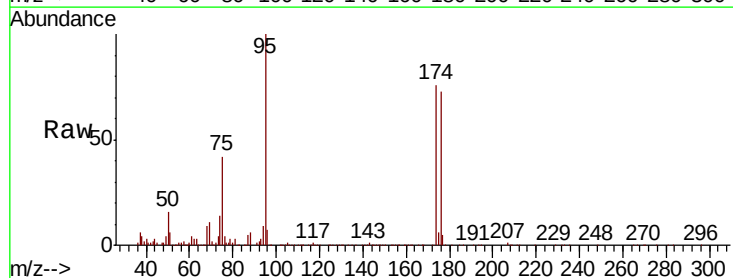
Tgt Ion: 95 Resp: 376403

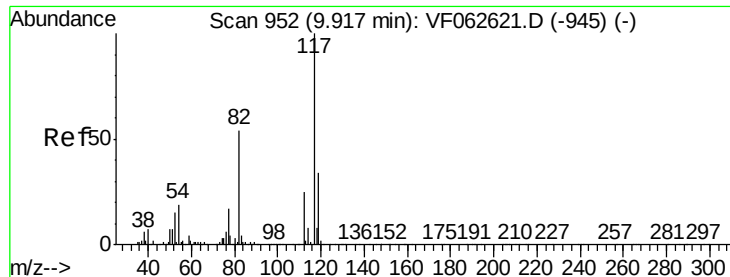
Ion Ratio Lower Upper

95 100

174 75.5 0.0 185.6

176 72.7 0.0 182.4

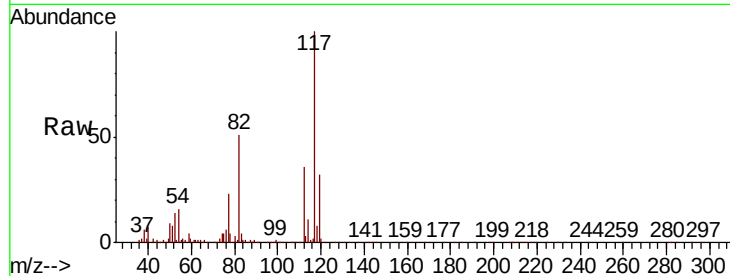




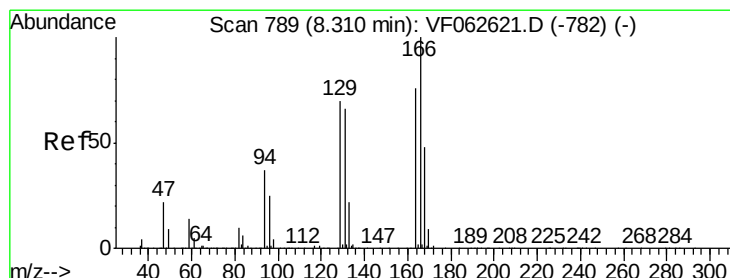
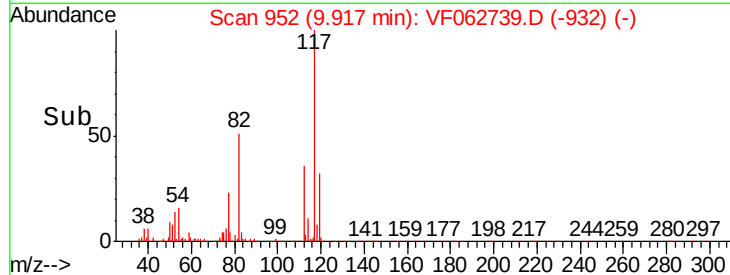
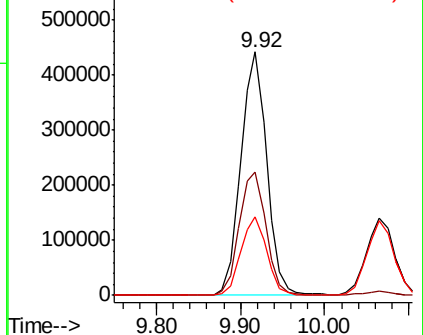
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	43.3	64.9
119	32.2	27.4	41.0



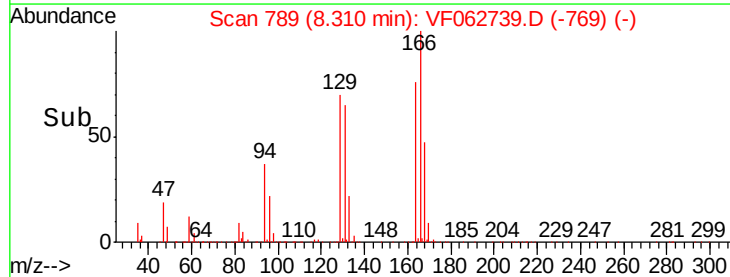
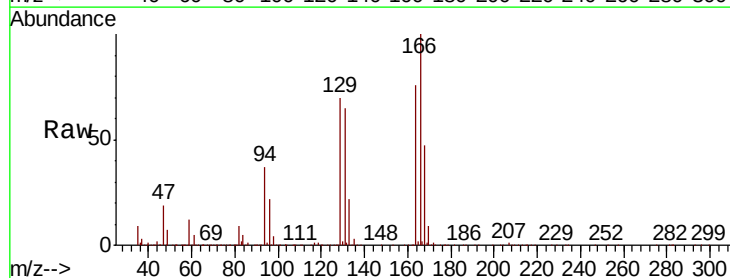
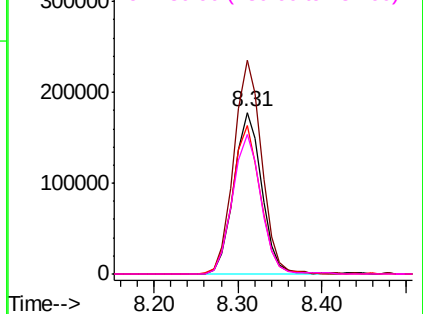
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

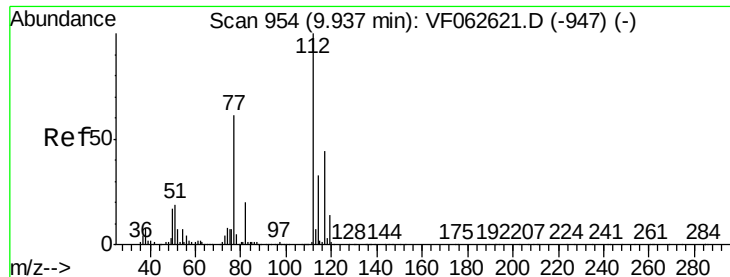


#64
Tetrachloroethene
Concen: 54.474 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	105.5	158.3
129	92.2	73.8	110.6
131	86.5	69.5	104.3

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

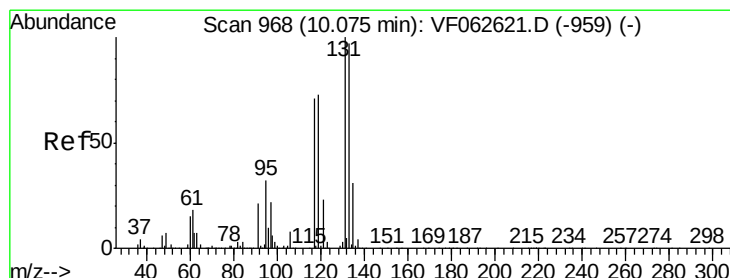
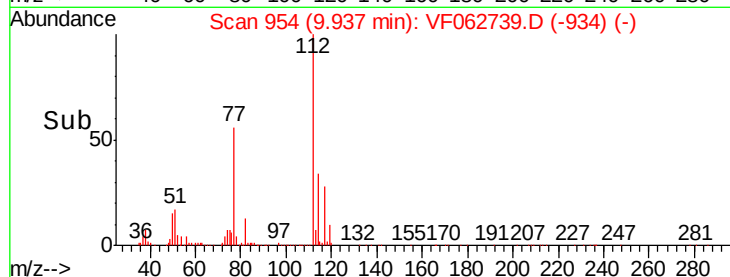
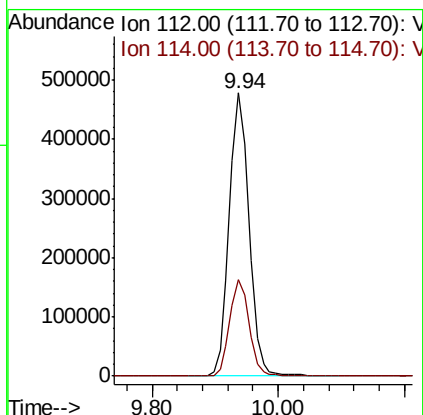
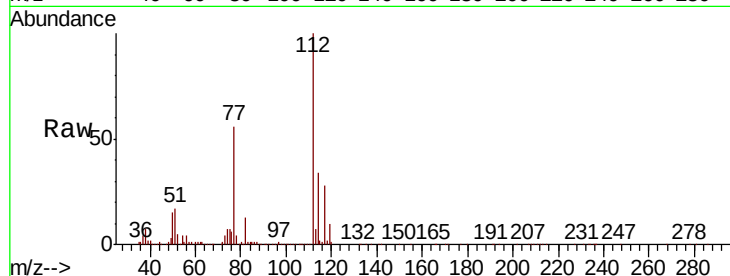




#65
Chlorobenzene
Concen: 55.548 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

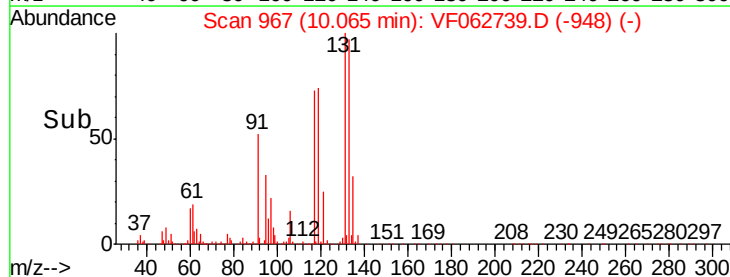
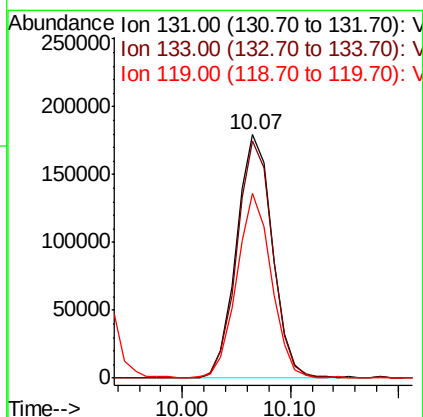
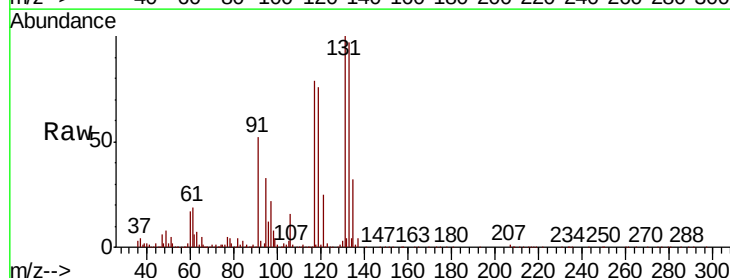
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

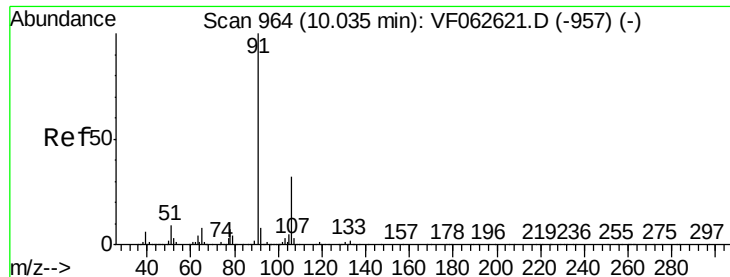
Tot Ion:112 Resp: 1037181
Ion Ratio Lower Upper
112 100
114 33.9 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.350 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion:131 Resp: 414885
Ion Ratio Lower Upper
131 100
133 97.5 48.5 145.5
119 76.0 36.8 110.4

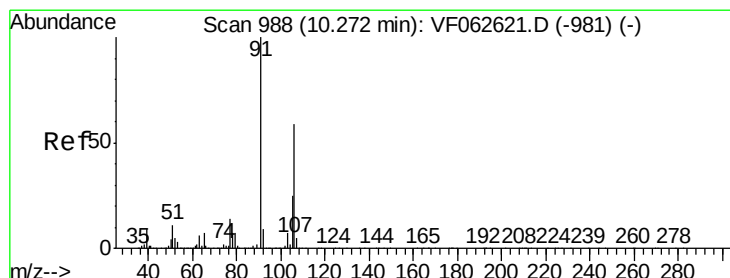
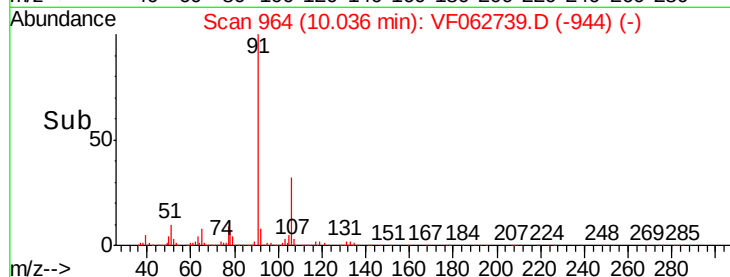
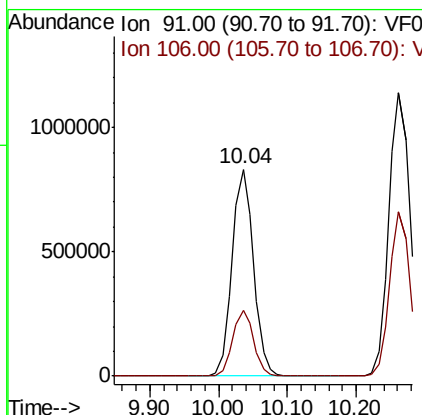
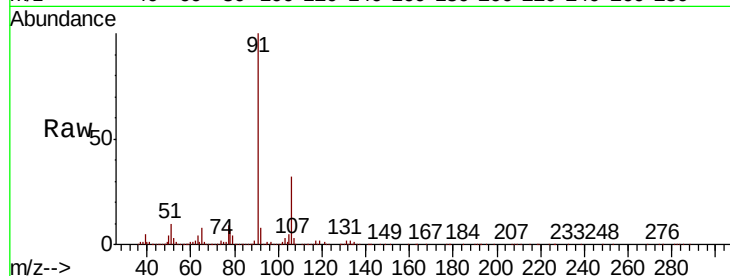




#67
Ethyl Benzene
Concen: 55.510 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

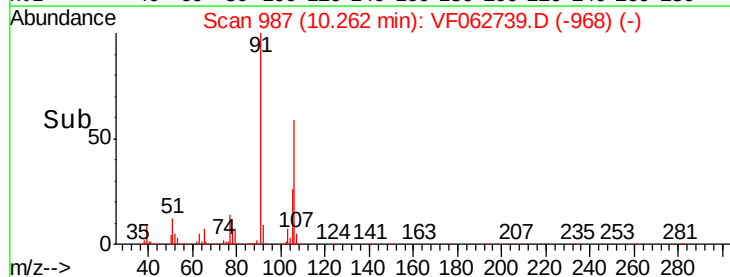
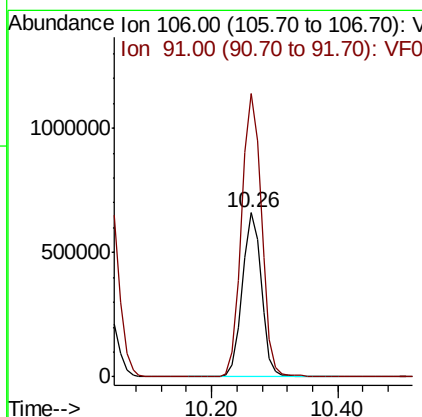
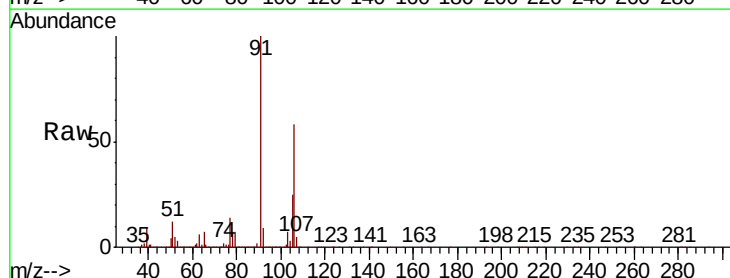
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

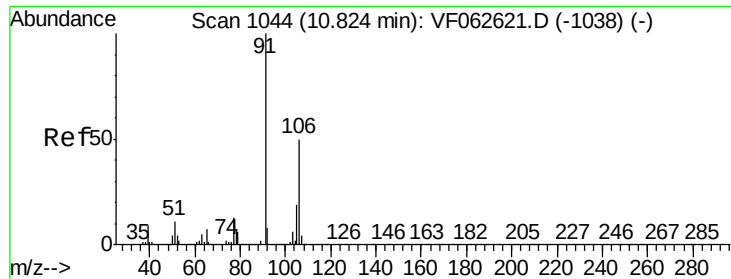
Tot Ion: 91 Resp: 1800582
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8



#68
m/p-Xylenes
Concen: 112.874 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 106 Resp: 1376076
Ion Ratio Lower Upper
106 100
91 172.3 136.9 205.3

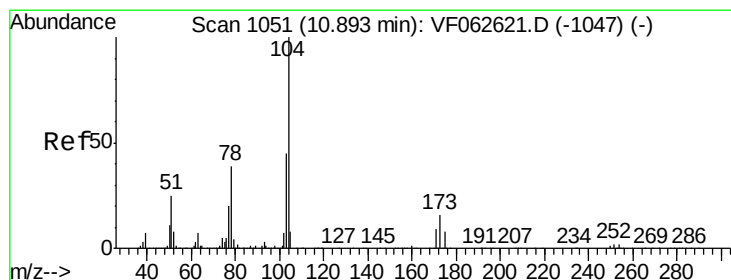
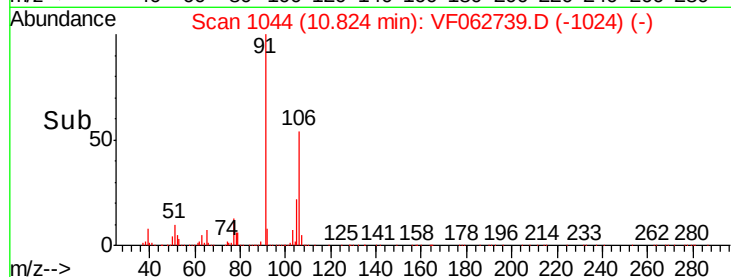
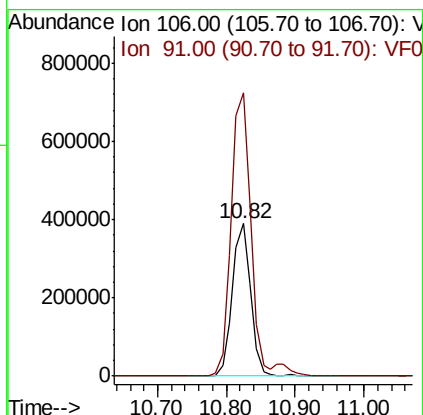
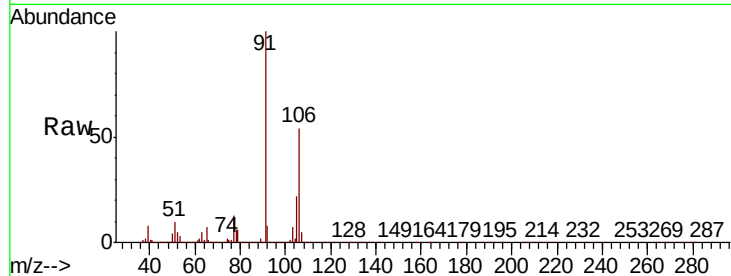




#69
o-Xylene
Concen: 57.239 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

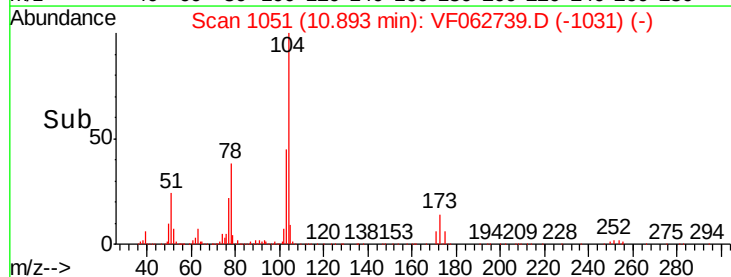
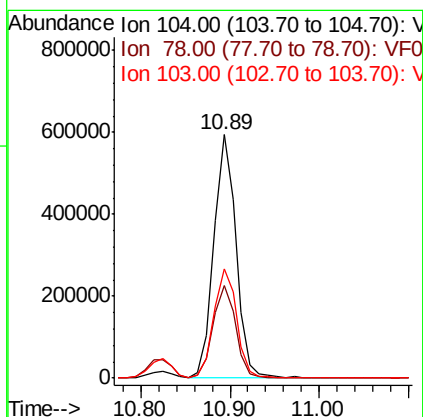
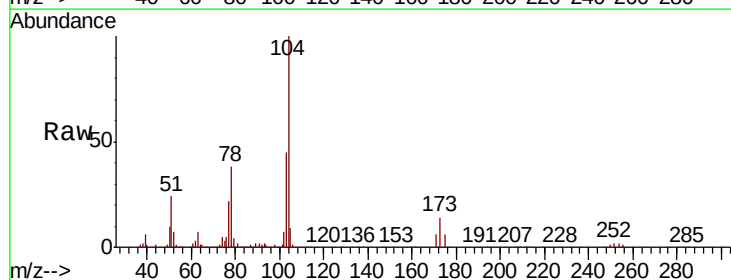
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

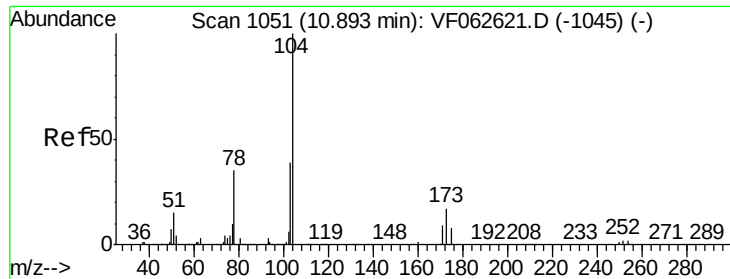
Tot Ion:106 Resp: 718752
Ion Ratio Lower Upper
106 100
91 186.0 100.2 300.5



#70
Styrene
Concen: 54.170 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion:104 Resp: 1033878
Ion Ratio Lower Upper
104 100
78 38.1 31.9 47.9
103 44.7 36.1 54.1





#71

Bromoform

Concen: 57.729 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

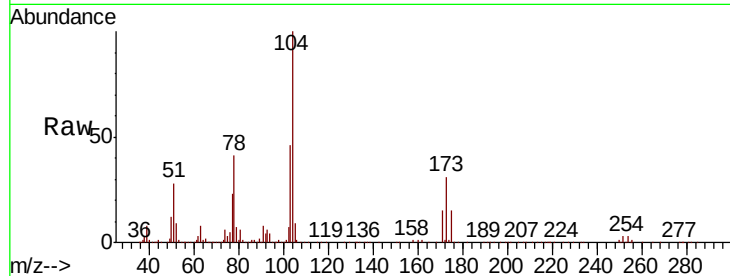
Tot Ion:173 Resp: 216721

Ion Ratio Lower Upper

173 100

175 47.9 25.3 75.9

254 0.0 0.2 0.2#

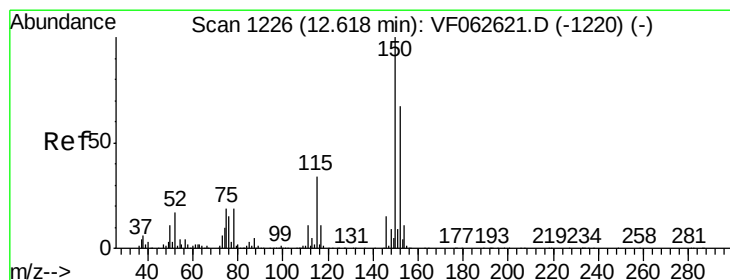
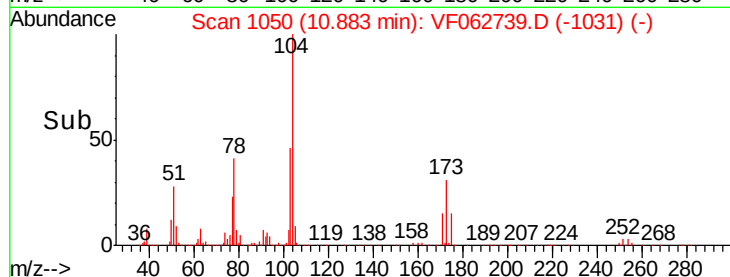
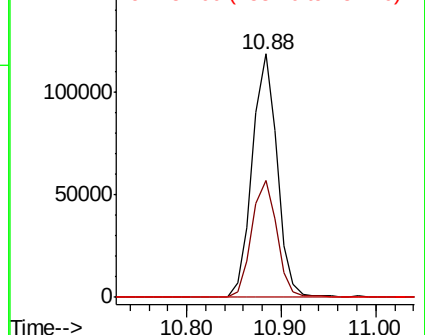


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

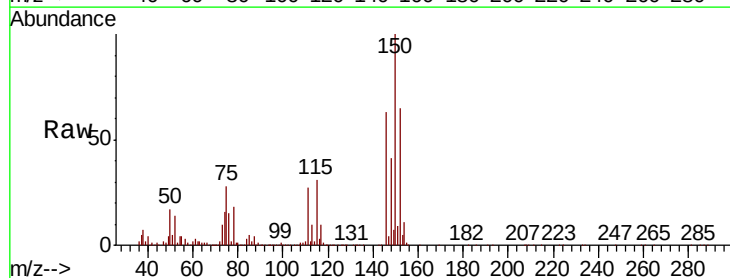
Tgt Ion:152 Resp: 449319

Ion Ratio Lower Upper

152 100

115 48.3 25.2 75.6

150 153.5 0.0 306.2

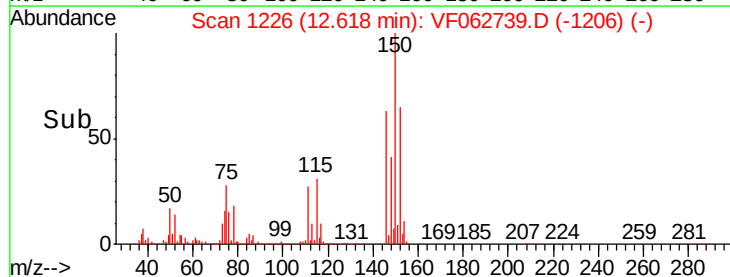
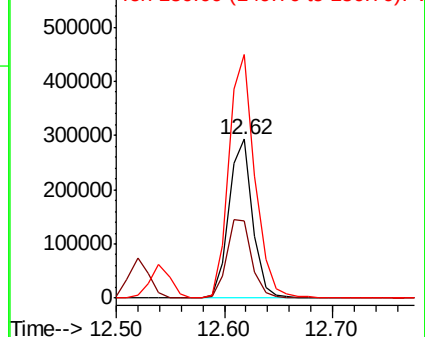


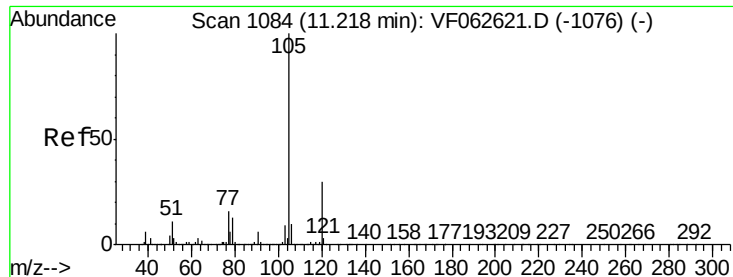
Abundance

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: 58.372 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

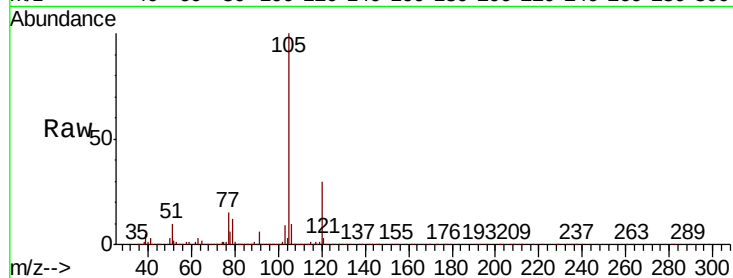
VSTDCCC050

Tot Ion:105 Resp: 1879767

Ion Ratio Lower Upper

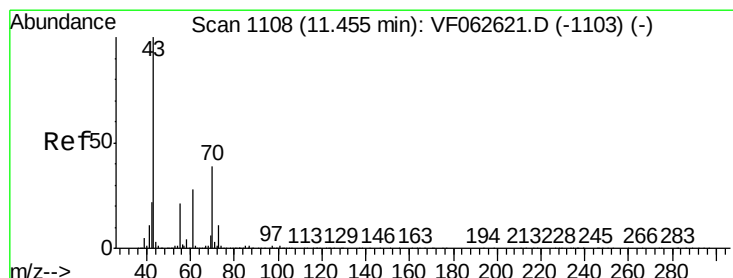
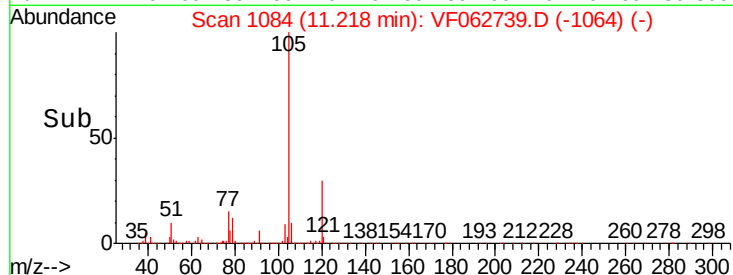
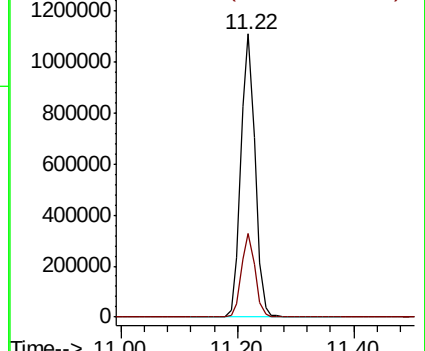
105 100

120 29.7 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: 61.620 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Tgt Ion: 43 Resp: 494624

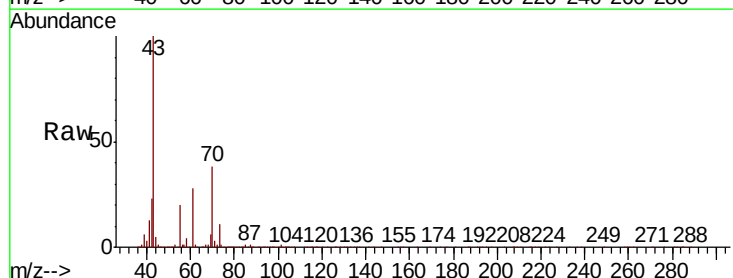
Ion Ratio Lower Upper

43 100

70 38.2 30.9 46.3

55 20.0 17.0 25.4

61 27.8 22.6 34.0

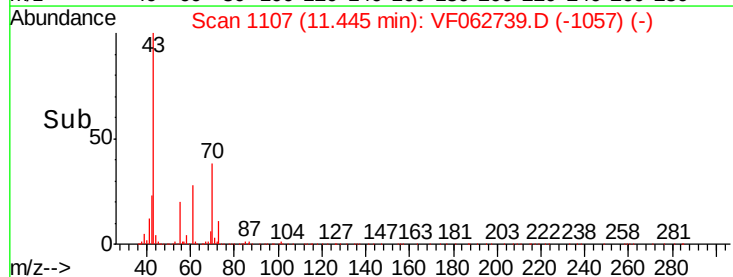
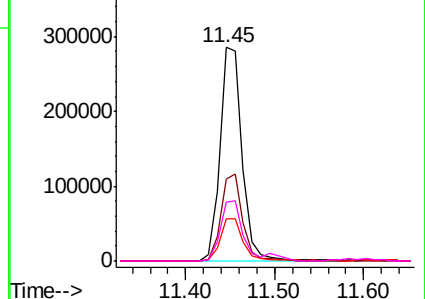


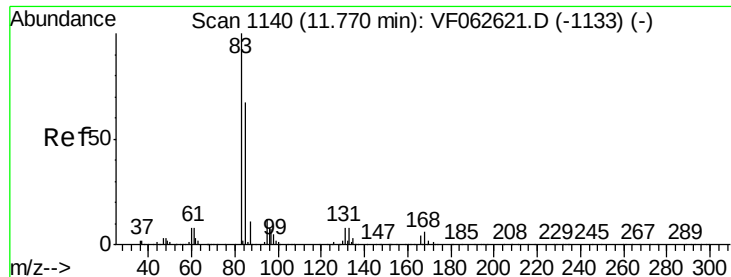
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 53.547 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

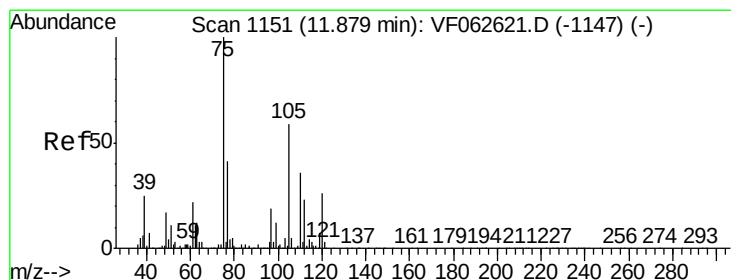
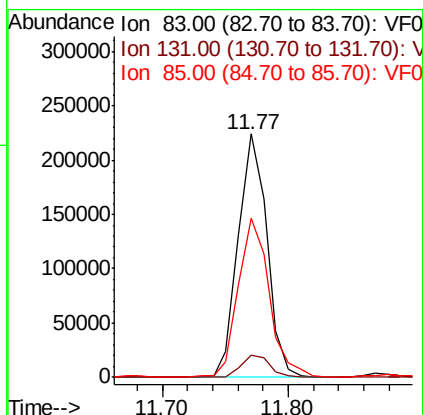
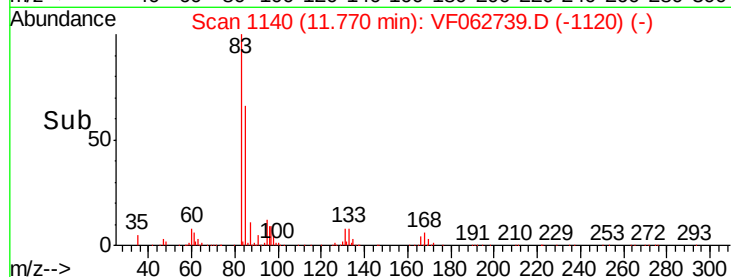
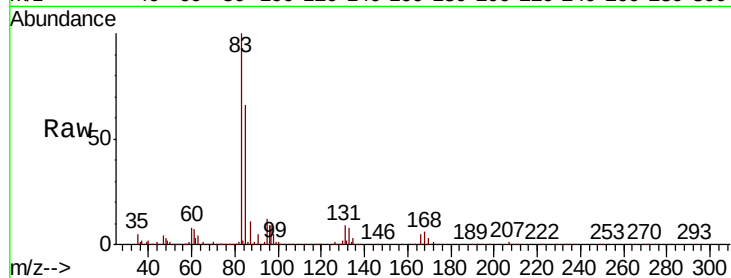
Tot Ion: 83 Resp: 352405

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.0

85 65.6 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 52.931 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062739.D

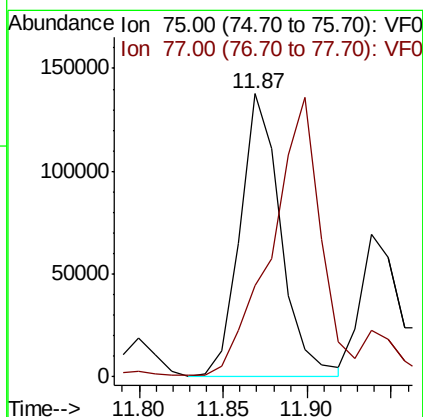
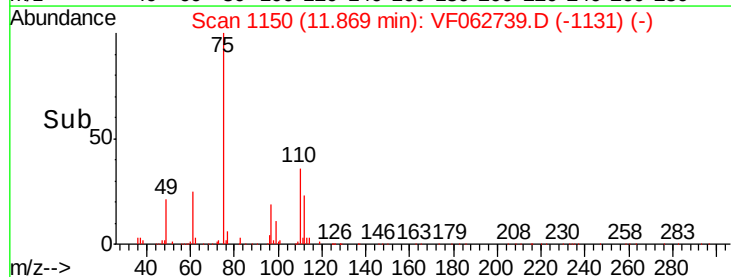
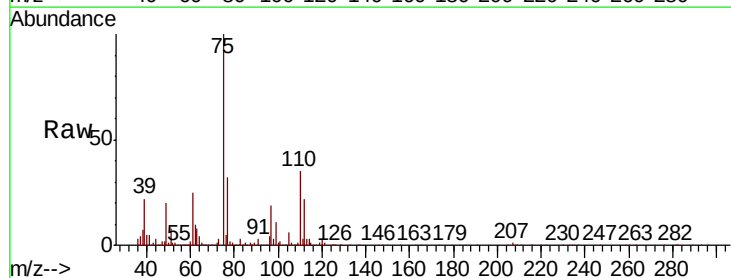
Acq: 24 May 2019 10:45

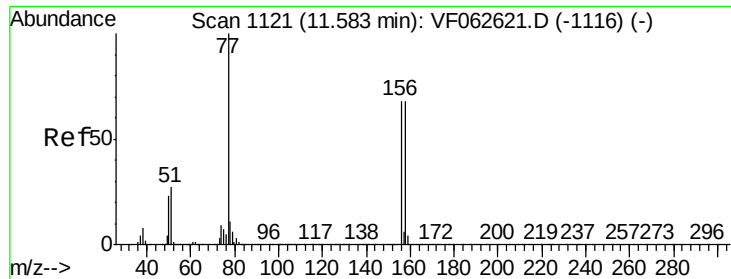
Tgt Ion: 75 Resp: 228888

Ion Ratio Lower Upper

75 100

77 32.1 20.6 61.8





#77

Bromobenzene

Concen: 55.825 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

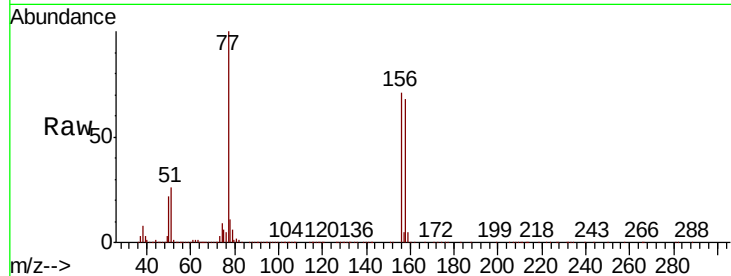
Tot Ion:156 Resp: 446862

Ion Ratio Lower Upper

156 100

77 141.1 73.6 220.8

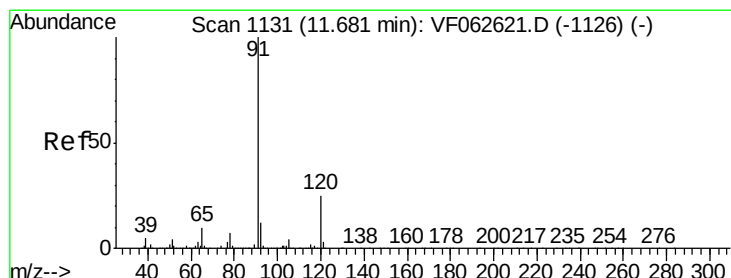
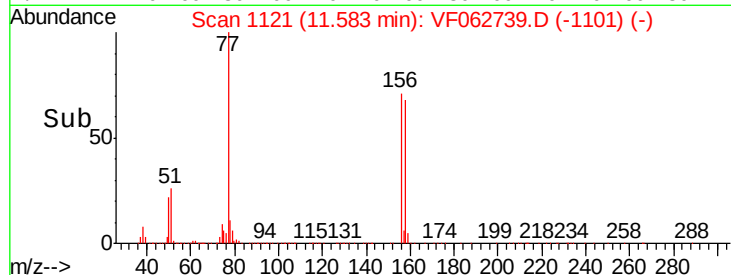
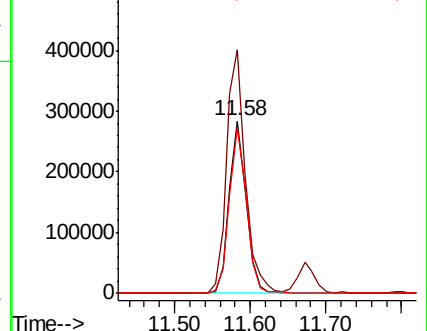
158 96.3 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.820 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062739.D

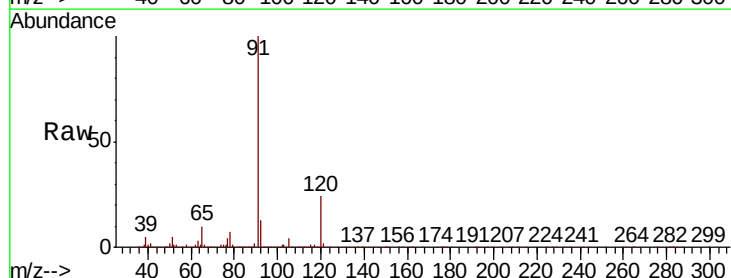
Acq: 24 May 2019 10:45

Tgt Ion: 91 Resp: 2127401

Ion Ratio Lower Upper

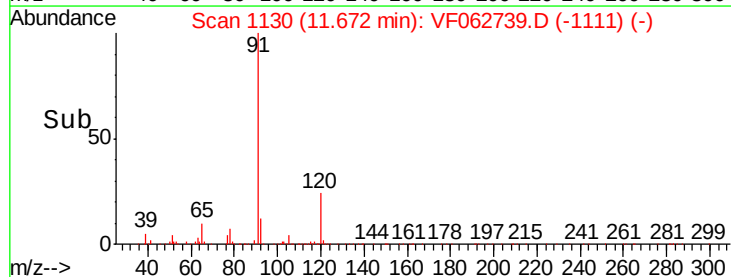
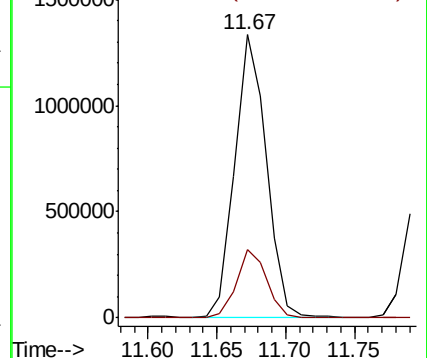
91 100

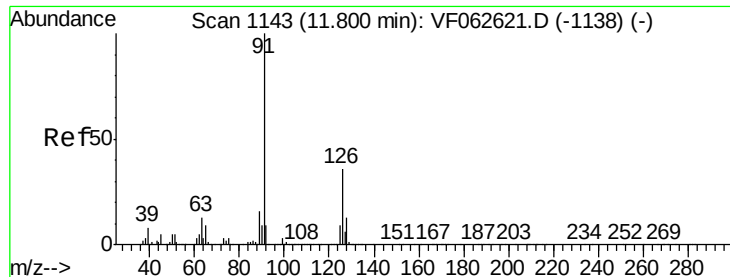
120 24.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.115 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

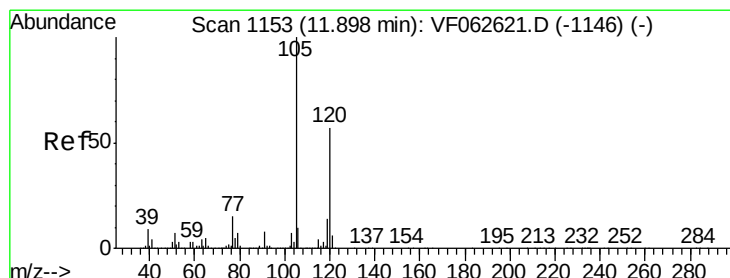
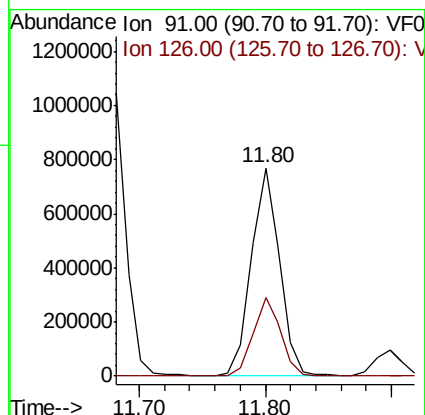
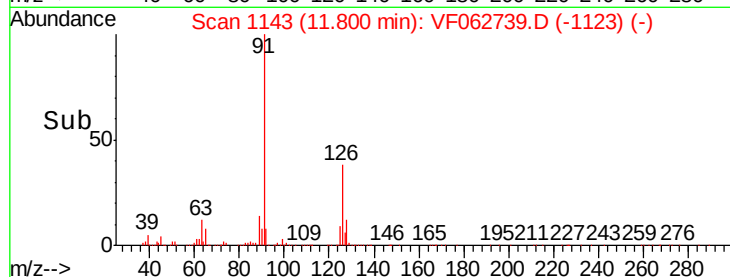
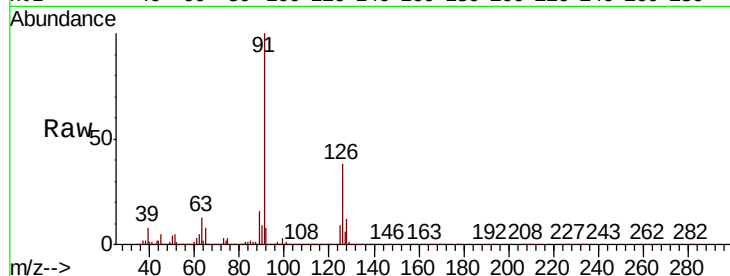
VSTDCCC050

Tot Ion: 91 Resp: 1183774

Ion Ratio Lower Upper

91 100

126 37.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 56.142 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062739.D

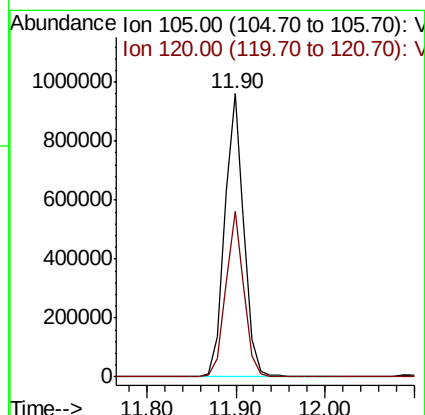
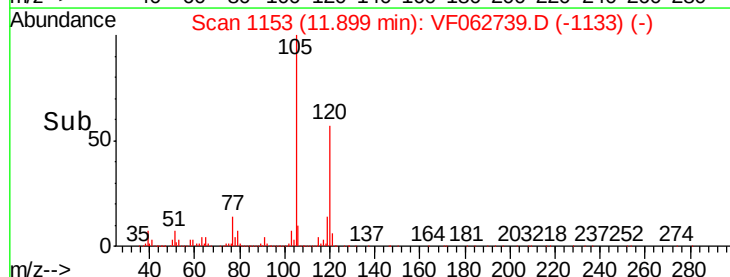
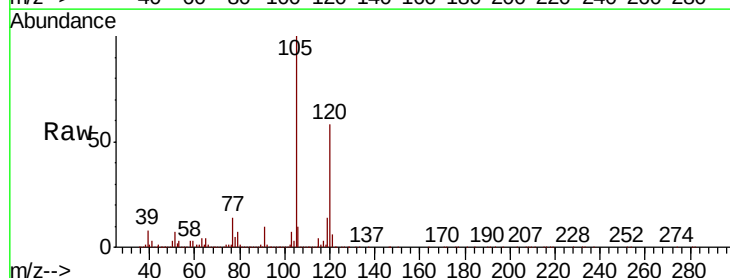
Acq: 24 May 2019 10:45

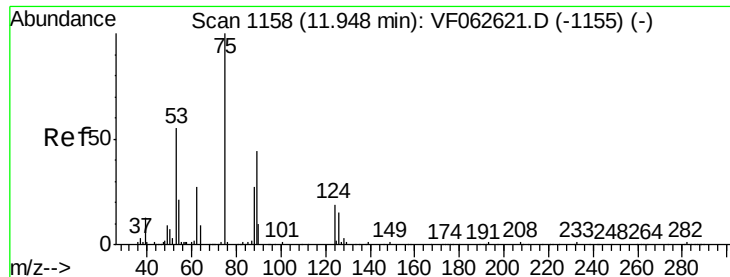
Tgt Ion: 105 Resp: 1449710

Ion Ratio Lower Upper

105 100

120 58.3 28.7 86.3

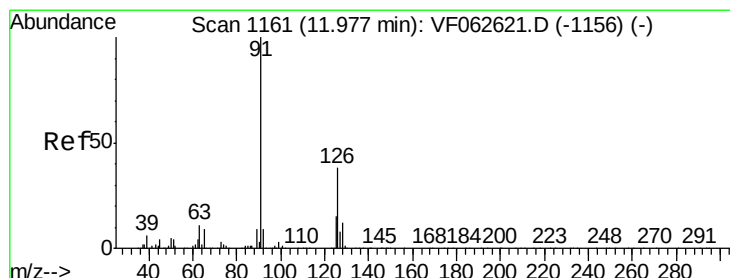
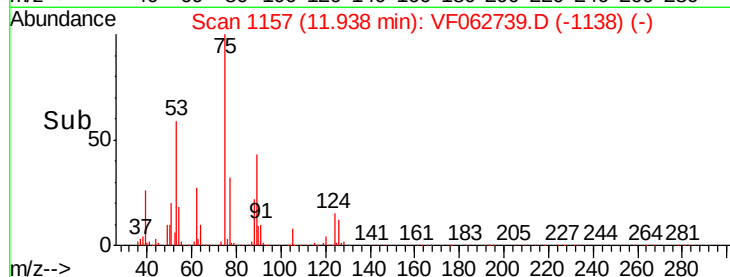
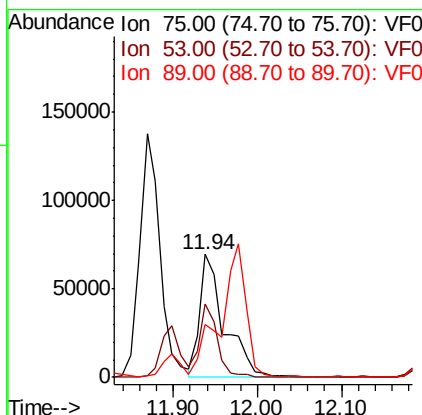
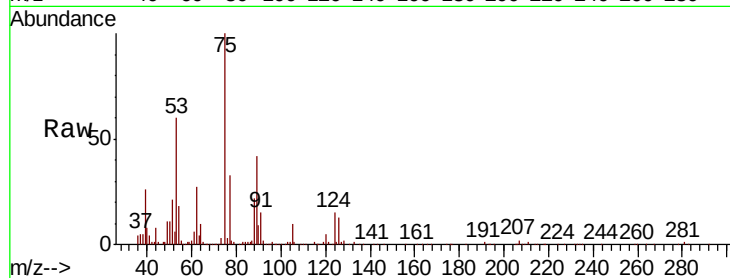




#81
trans-1,4-Dichloro-2-butene
Concen: 75.072 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

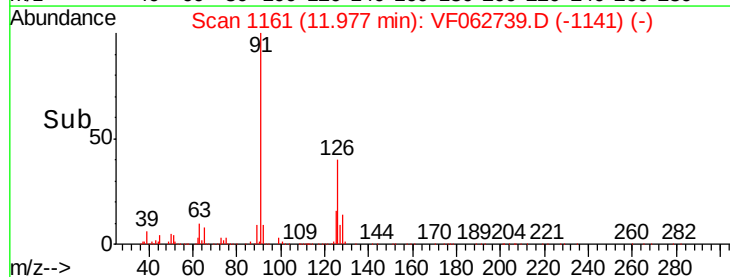
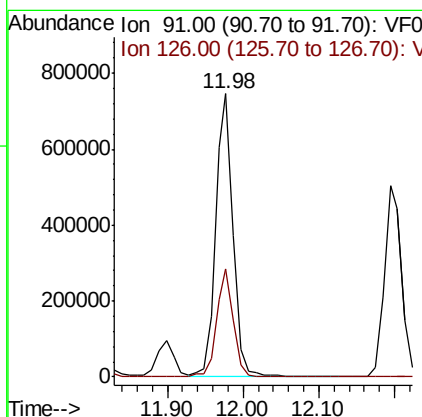
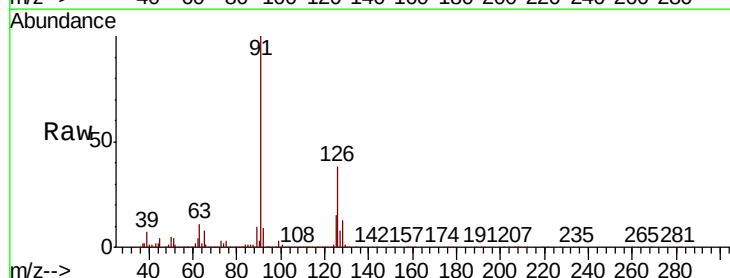
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

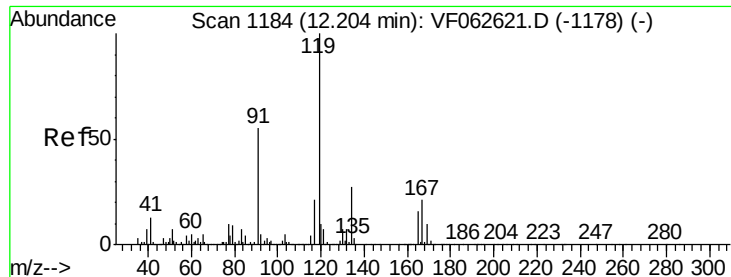
Tot Ion: 75 Resp: 144300
Ion Ratio Lower Upper
75 100
53 59.5 46.9 70.3
89 42.5 36.4 54.6



#82
4-Chlorotoluene
Concen: 56.277 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 91 Resp: 1191989
Ion Ratio Lower Upper
91 100
126 38.0 19.1 57.1

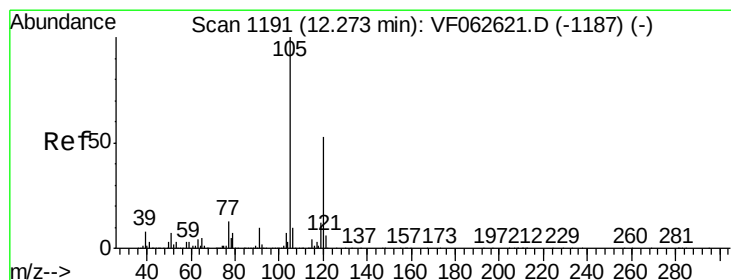
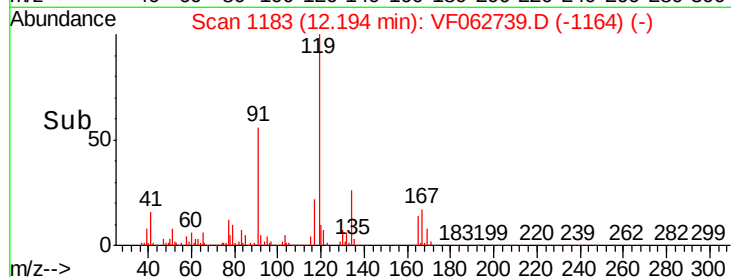
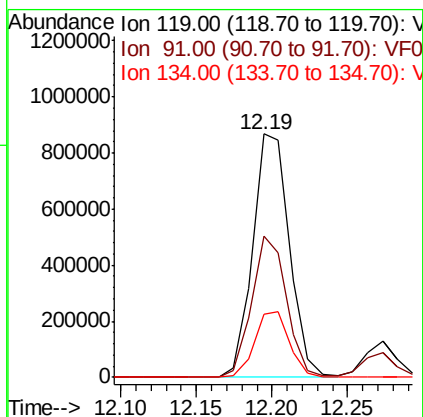
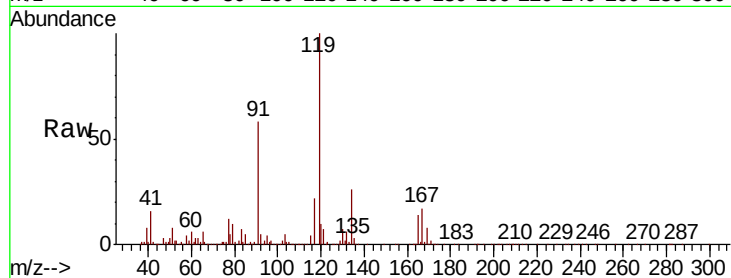




#83
 tert-Butylbenzene
 Concen: 56.181 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

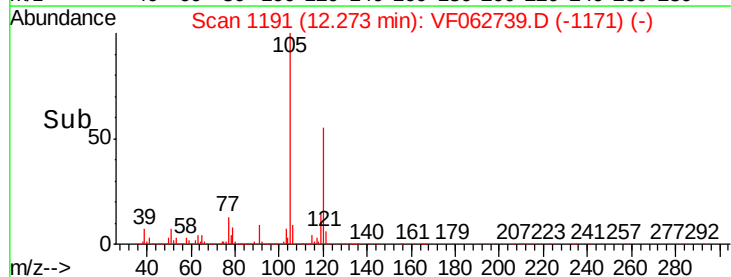
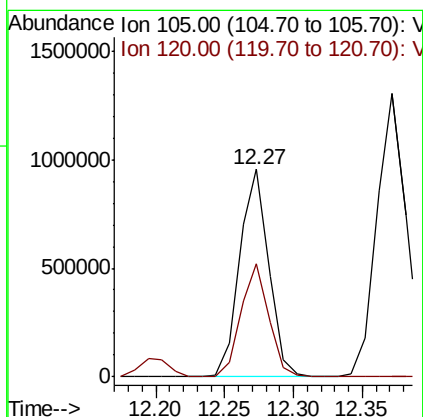
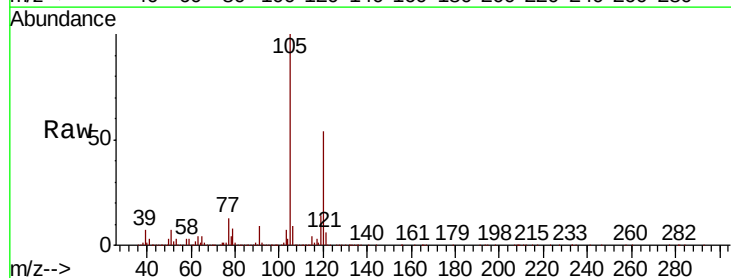
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

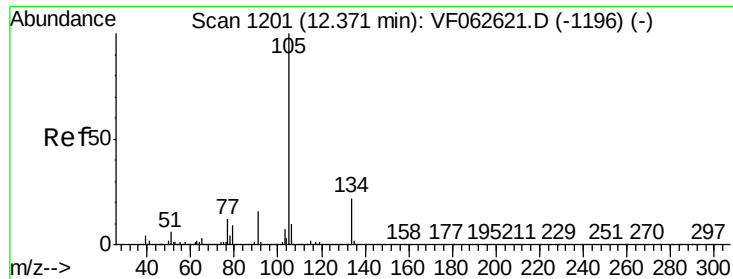
Tot Ion:119 Resp: 1471812
 Ion Ratio Lower Upper
 119 100
 91 58.1 27.3 81.9
 134 26.0 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 56.194 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Tgt Ion:105 Resp: 1404436
 Ion Ratio Lower Upper
 105 100
 120 54.5 26.7 80.1





#85

sec-Butylbenzene

Concen: 55.310 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

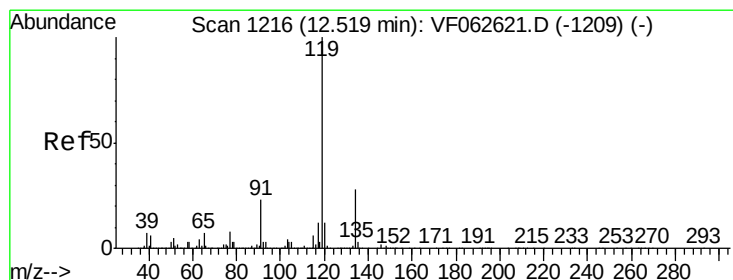
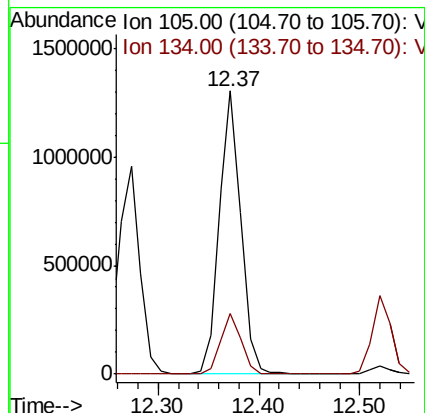
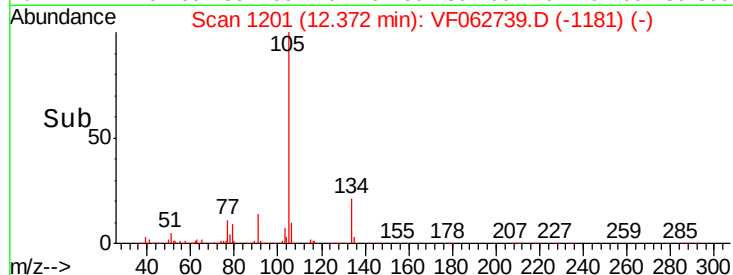
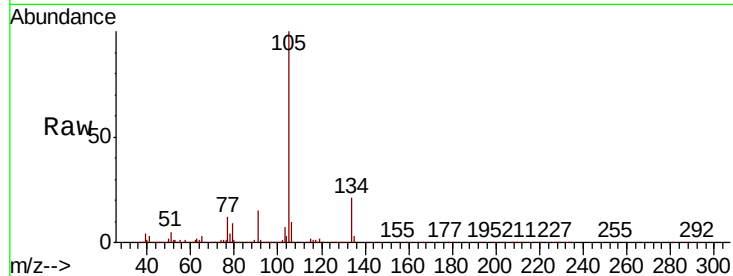
VSTDCCC050

Tot Ion:105 Resp: 1944607

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.4



#86

p-Isopropyltoluene

Concen: 55.504 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

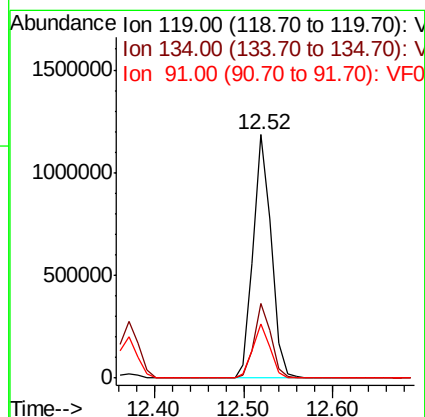
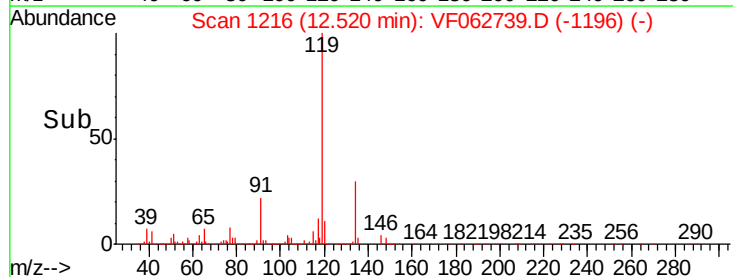
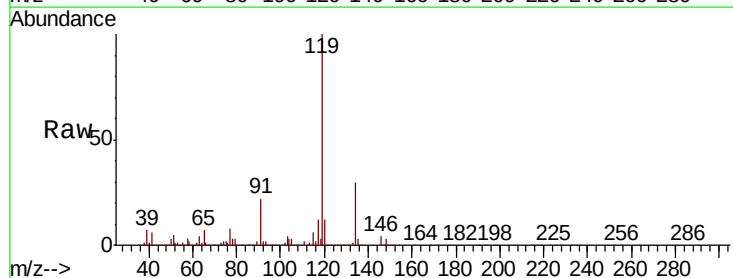
Tgt Ion:119 Resp: 1644551

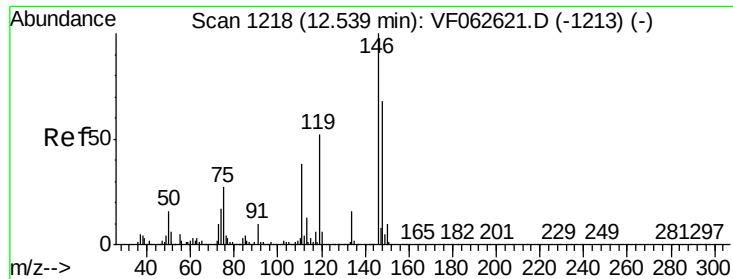
Ion Ratio Lower Upper

119 100

134 30.4 14.1 42.3

91 22.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 54.807 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

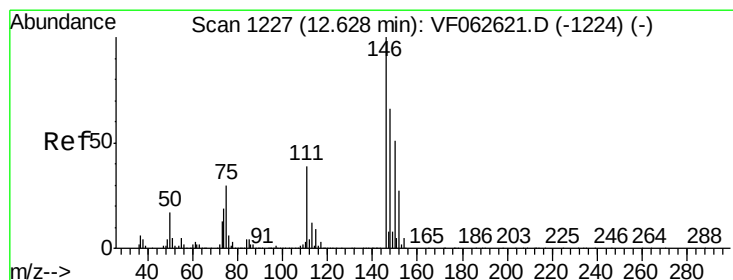
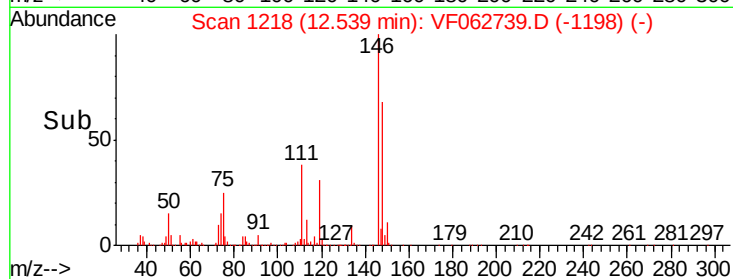
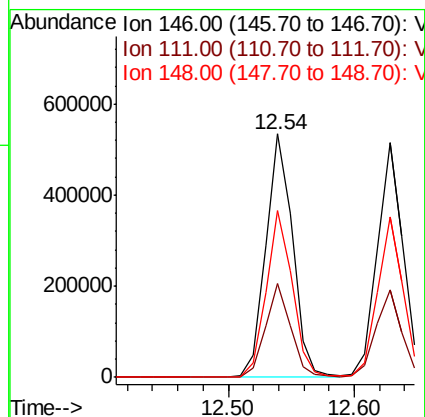
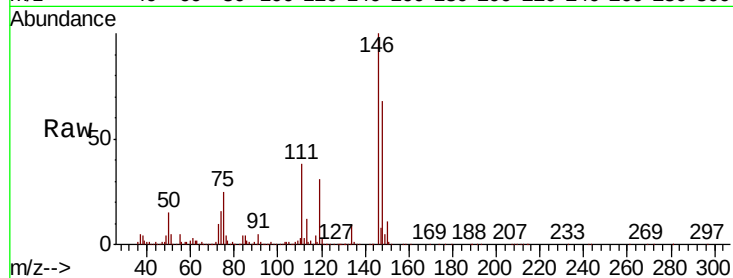
Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 793724

Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	68.5	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 55.023 ug/l

RT: 12.63 min Scan# 1227

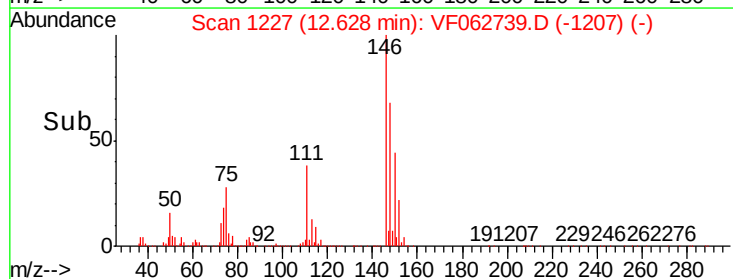
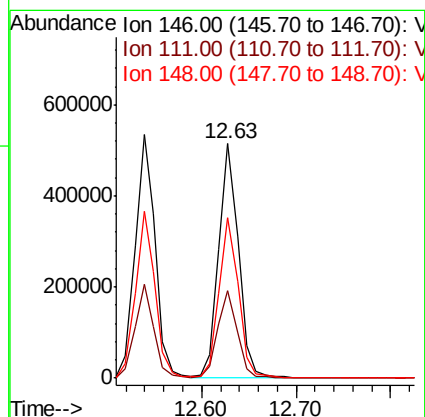
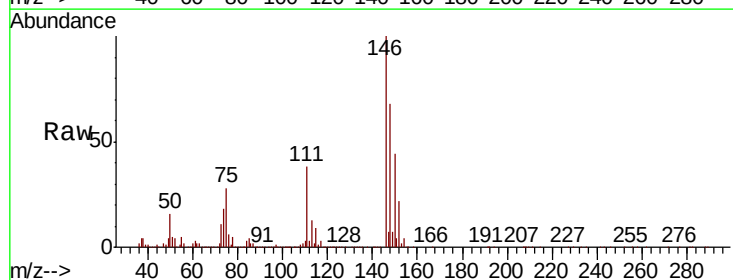
Delta R.T. 0.00 min

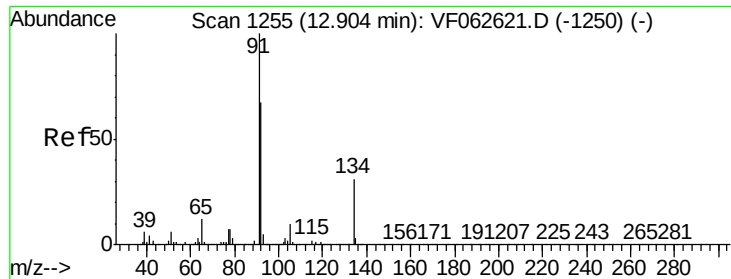
Lab File: VF062739.D

Acq: 24 May 2019 10:45

Tgt Ion:146 Resp: 747792

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.4	58.2
148	68.3	33.2	99.6

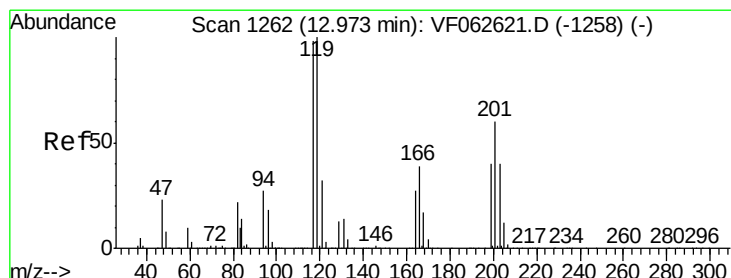
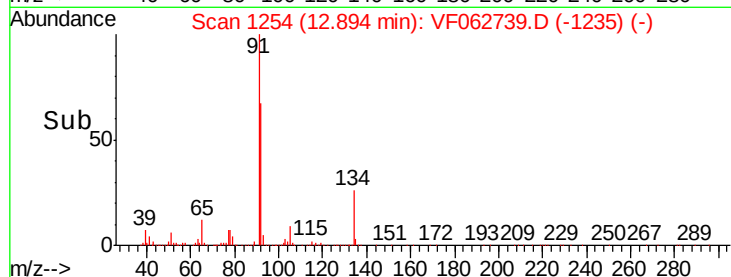
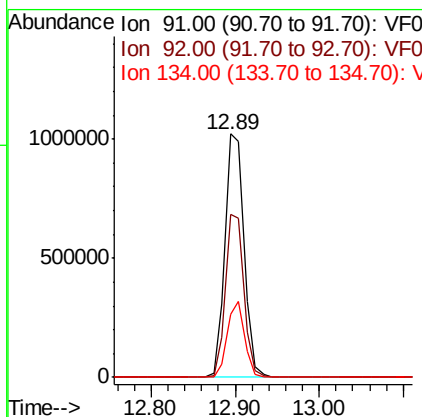
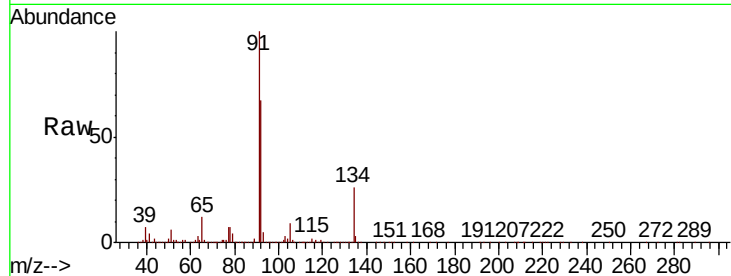




#89
n-Butylbenzene
Concen: 55.123 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

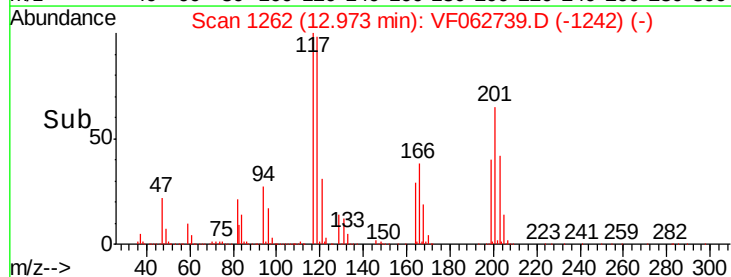
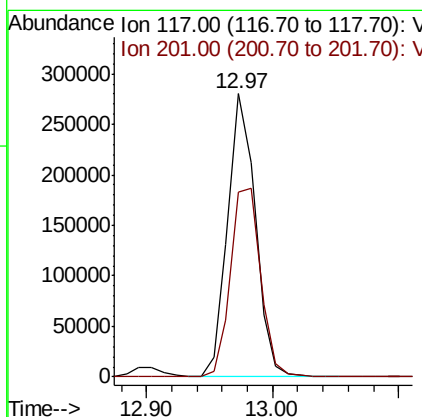
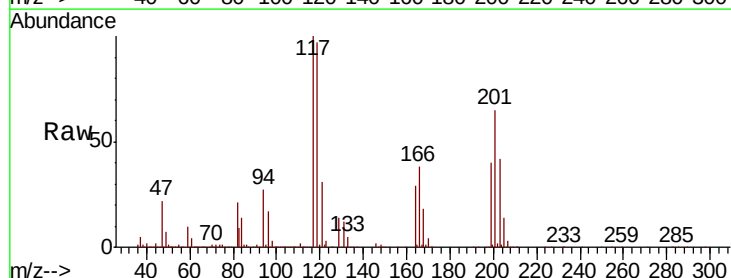
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

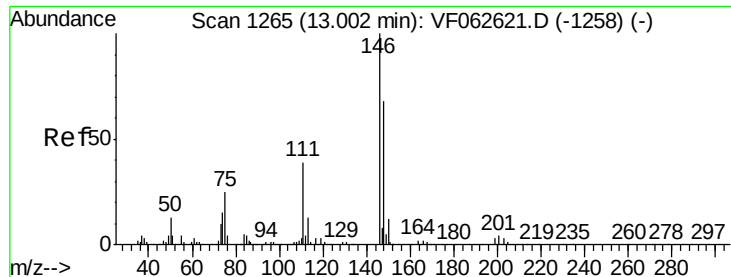
Tot Ion: 91 Resp: 1610341
Ion Ratio Lower Upper
91 100
92 66.8 33.3 99.8
134 25.9 15.4 46.4



#90
Hexachloroethane
Concen: 59.814 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

Tgt Ion: 117 Resp: 425141
Ion Ratio Lower Upper
117 100
201 65.2 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 54.514 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

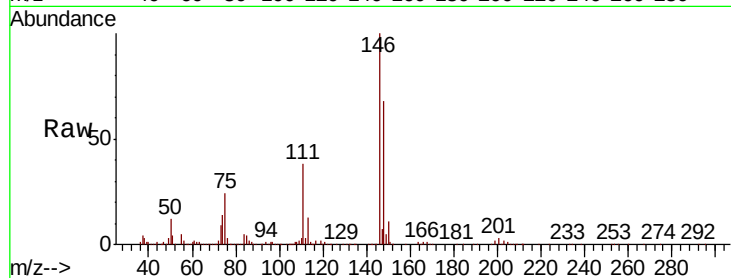
Tot Ion:146 Resp: 703739

Ion Ratio Lower Upper

146 100

111 37.8 19.8 59.3

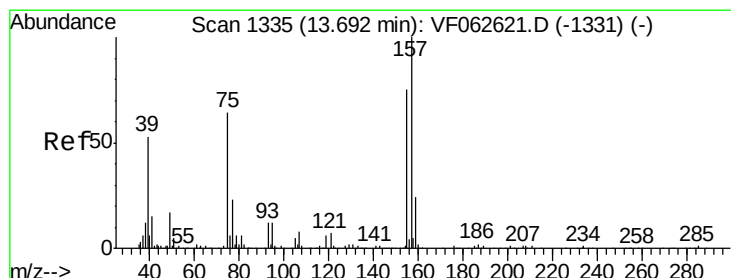
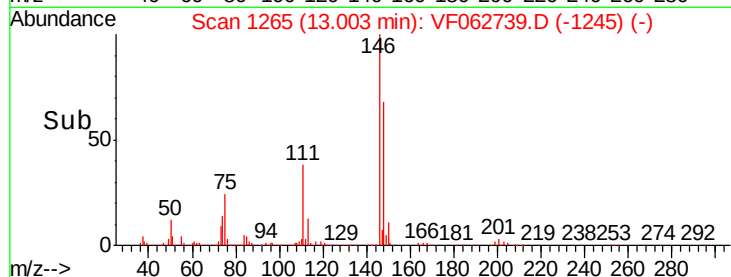
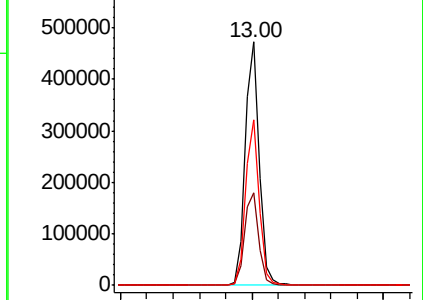
148 68.1 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.002 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

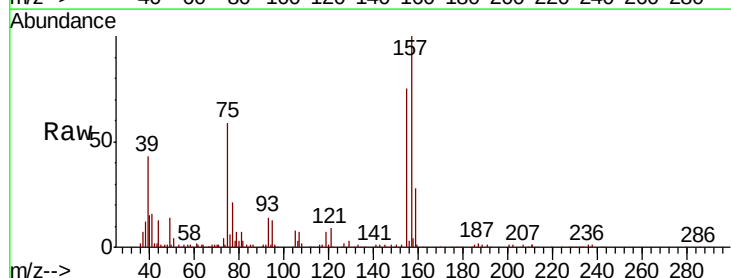
Tgt Ion: 75 Resp: 43968

Ion Ratio Lower Upper

75 100

155 127.2 58.1 174.3

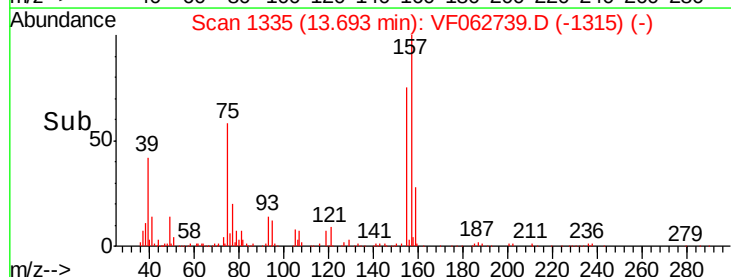
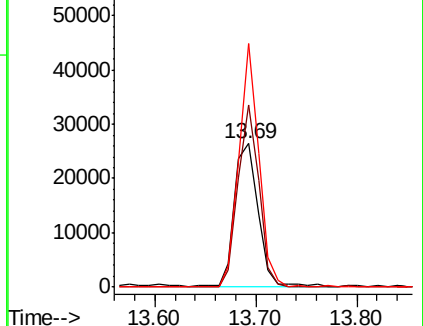
157 169.5 77.8 233.4

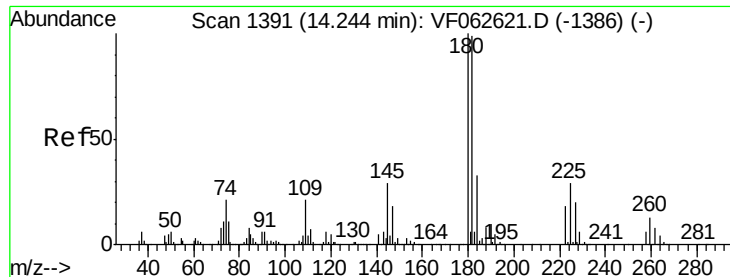


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

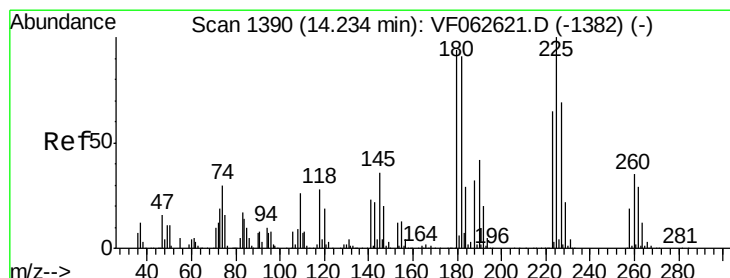
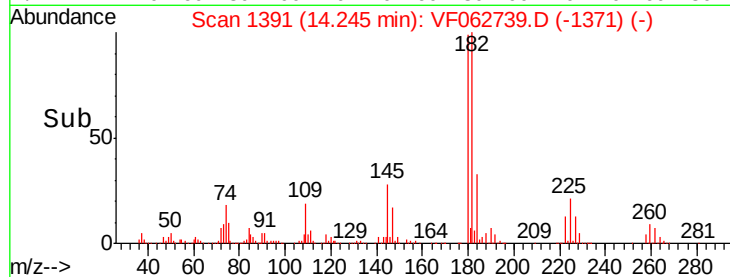
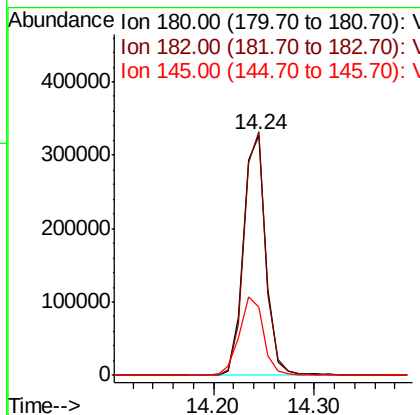
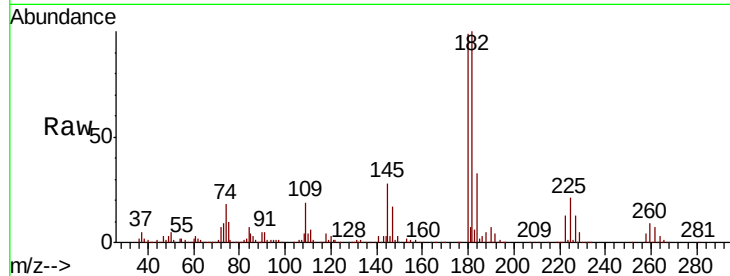




#93
 1,2,4-Trichlorobenzene
 Concen: 54.833 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

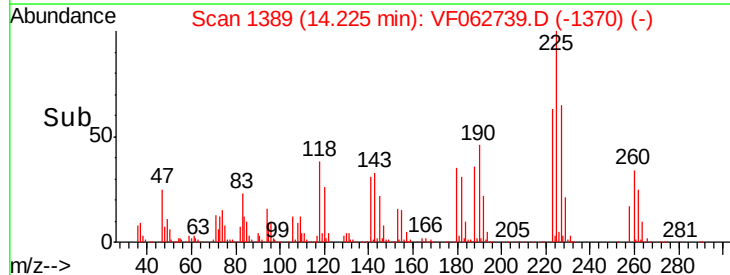
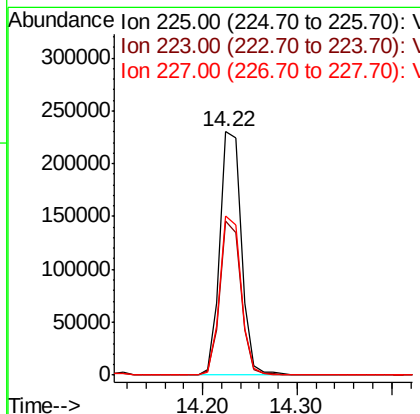
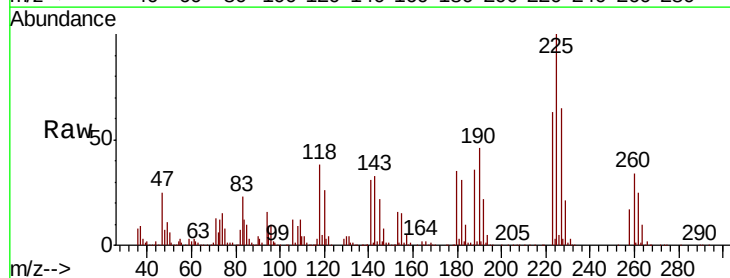
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

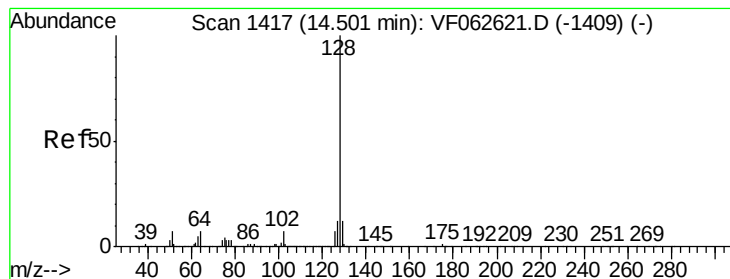
Tot Ion:180 Resp: 506686
 Ion Ratio Lower Upper
 180 100
 182 101.5 49.7 149.1
 145 28.3 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 56.275 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

Tgt Ion:225 Resp: 362901
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.5 97.4
 227 65.4 34.5 103.5





#95

Naphthalene

Concen: 53.108 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

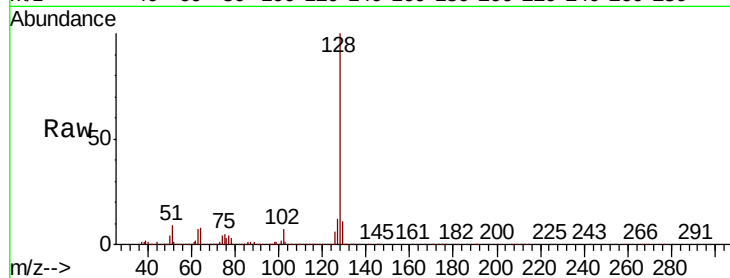
Tot Ion:128 Resp: 891536

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

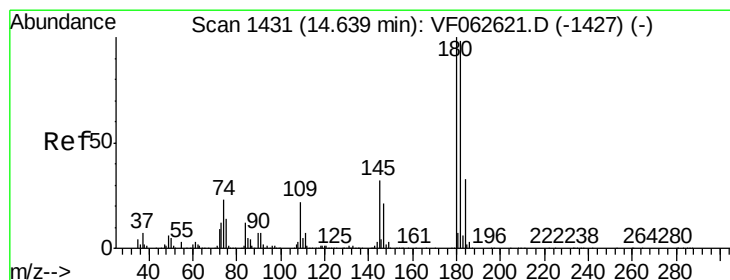
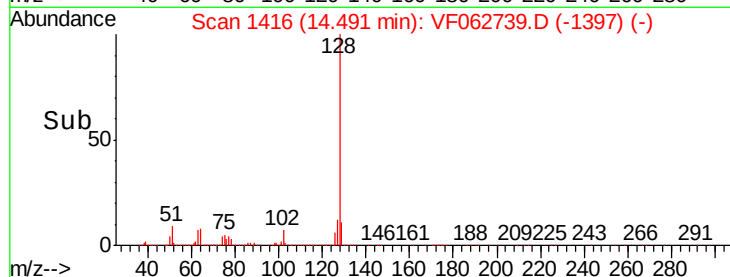
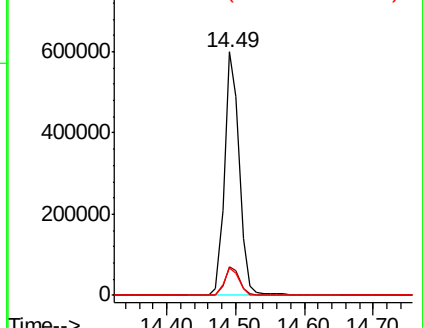
129 11.2 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.566 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

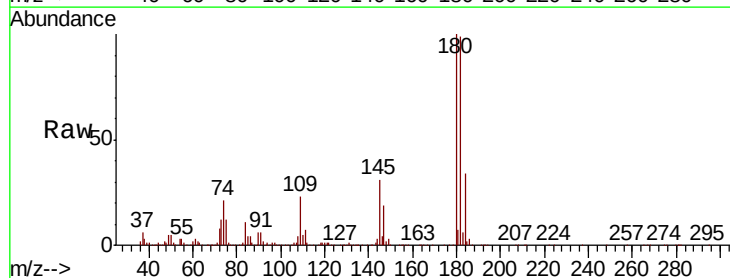
Tgt Ion:180 Resp: 468851

Ion Ratio Lower Upper

180 100

182 99.1 48.9 146.7

145 31.5 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

