

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 23:11:04 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	756510m	50.798	ug/l	
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	344223m	48.727	ug/l	
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	764568m	50.351	ug/l	
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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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	103573m	53.883	ug/l	
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

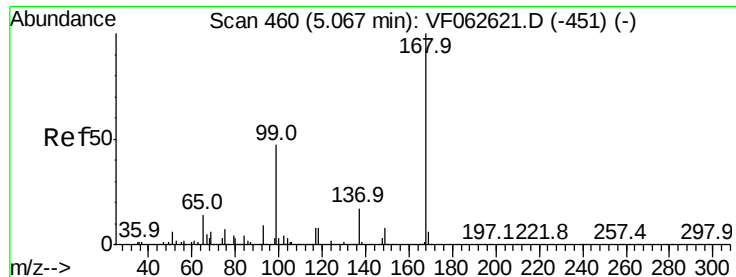
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
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Response via : Initial Calibration

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 :

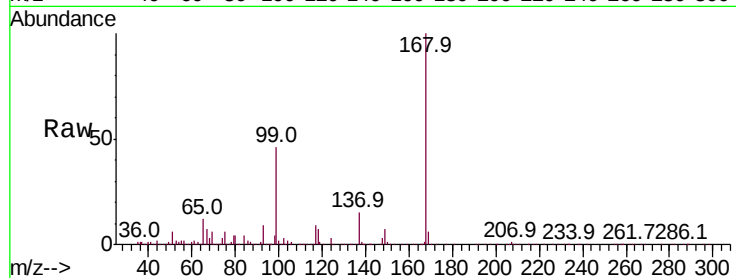
VSTDCCC050

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

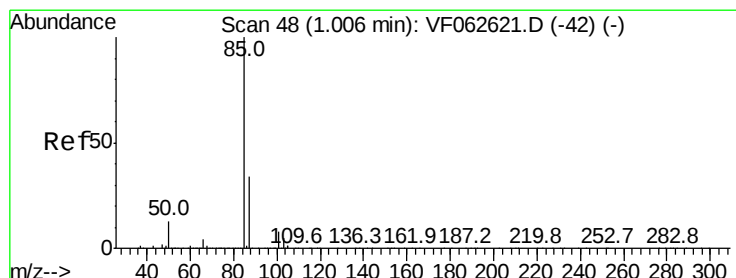
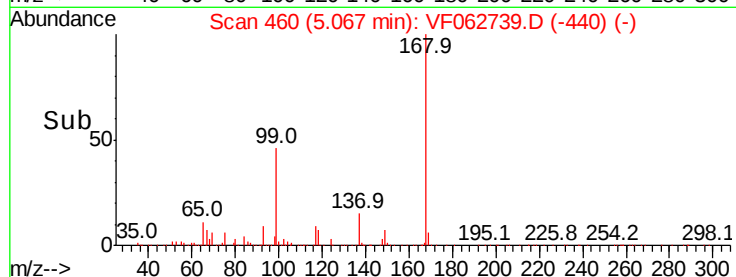
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 44.878 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062739.D

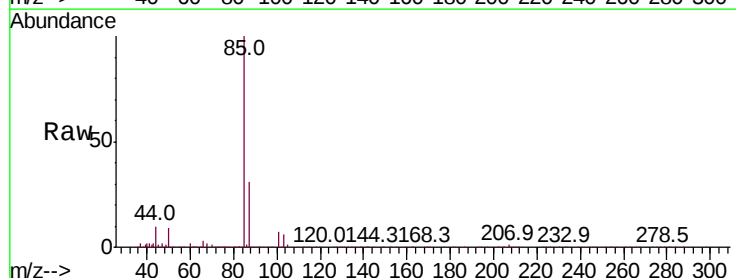
Acq: 24 May 2019 10:45

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

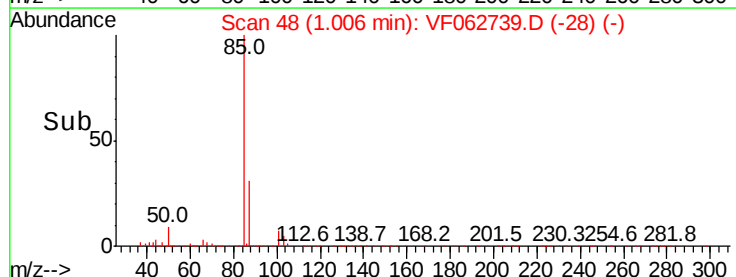
150000

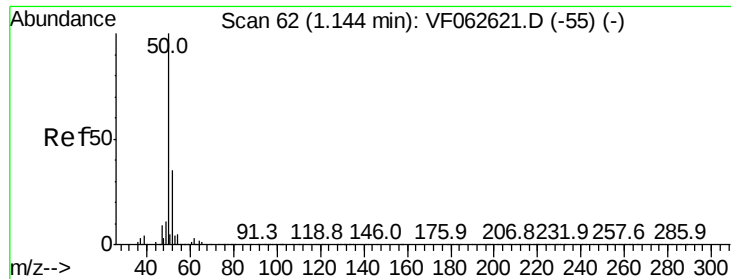
100000

50000

0

Time--> 0.90 1.00 1.10 1.20





#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 :

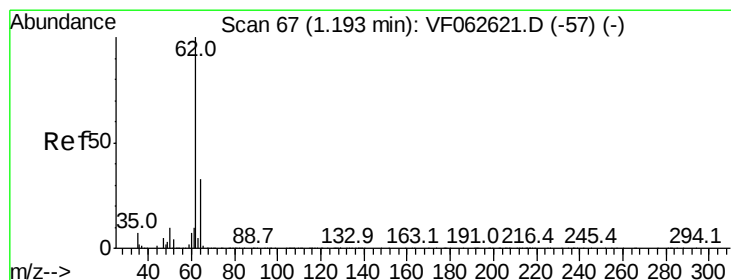
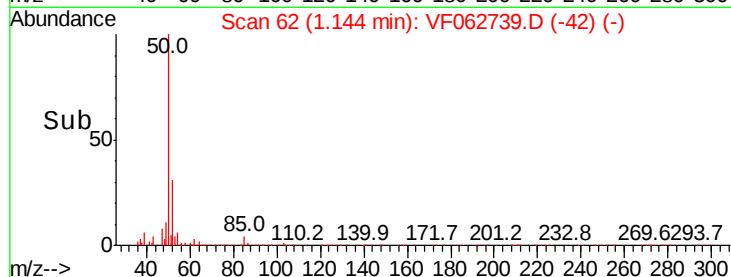
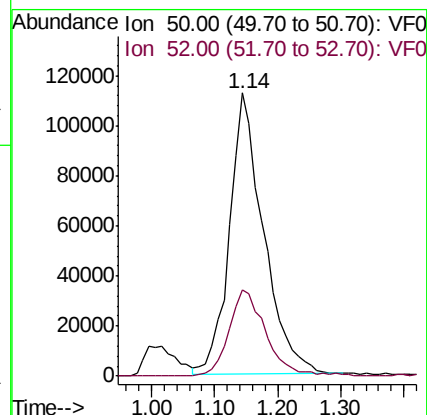
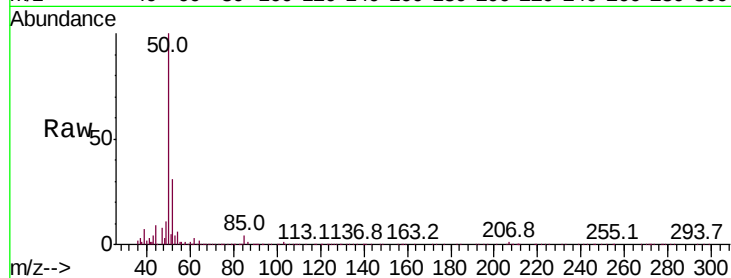
VSTDCCC050

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

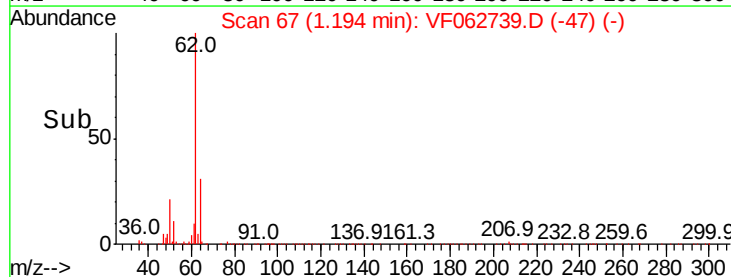
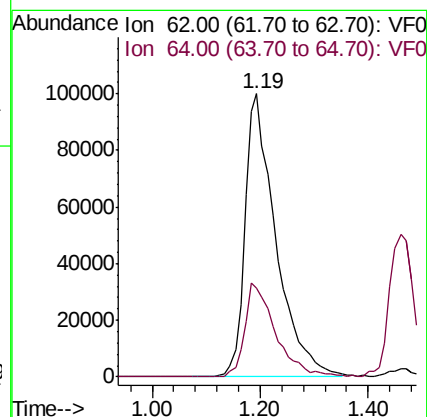
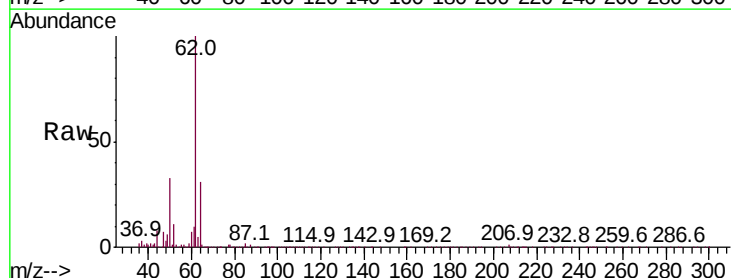
Acq: 24 May 2019 10:45

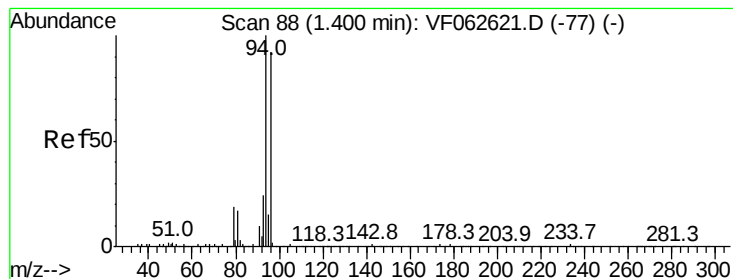
Tgt Ion: 62 Resp: 397037

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 :

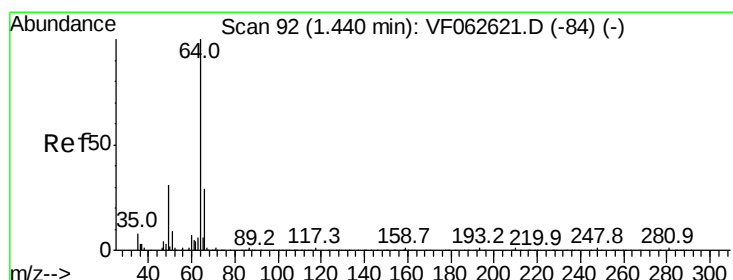
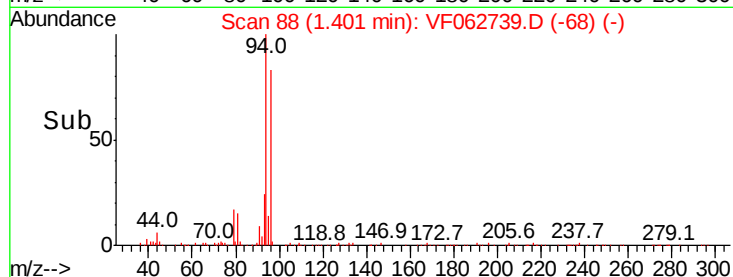
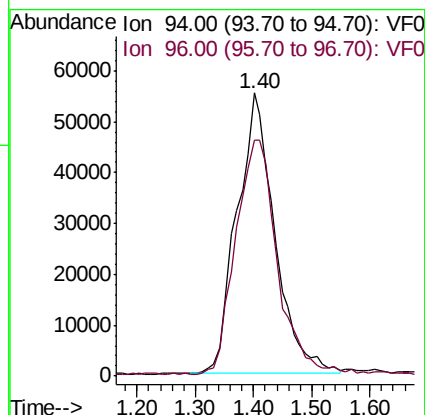
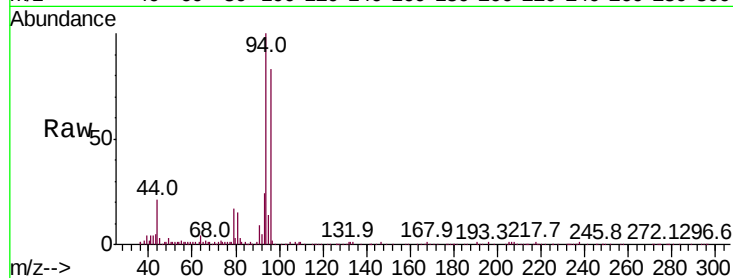
VSTDCCC050

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

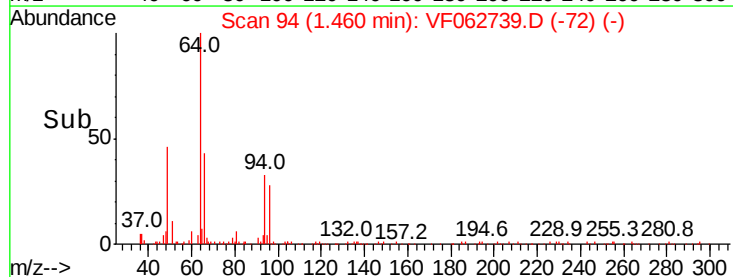
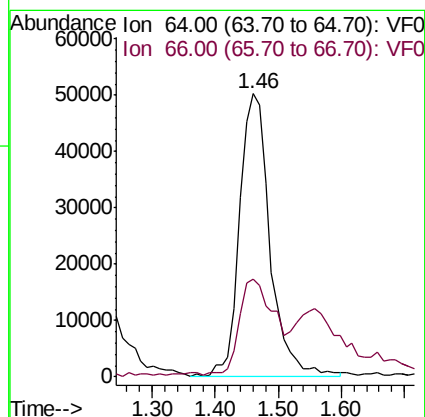
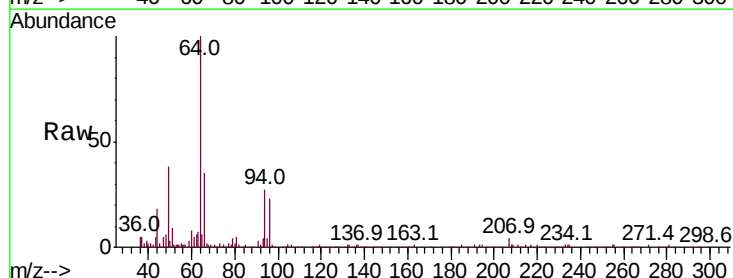
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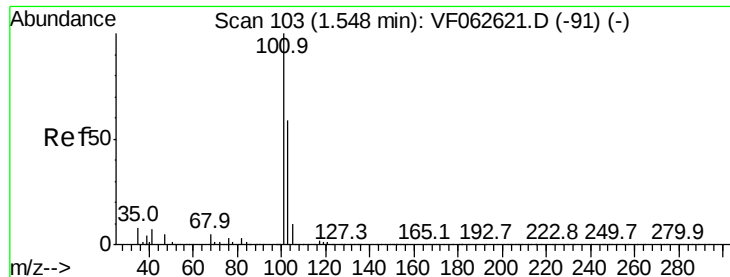
Tgt Ion: 64 Resp: 166247

Ion Ratio Lower Upper

64 100

66 34.7 23.4 35.2



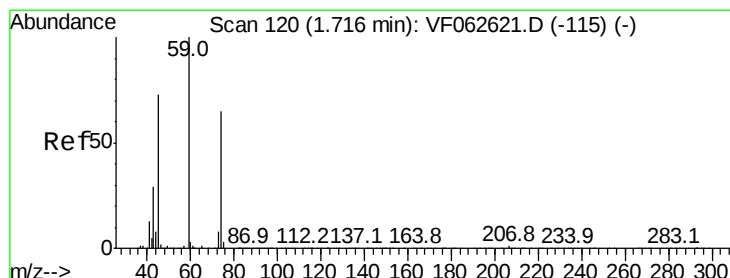
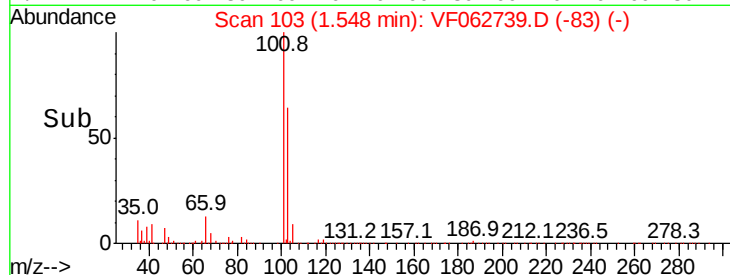
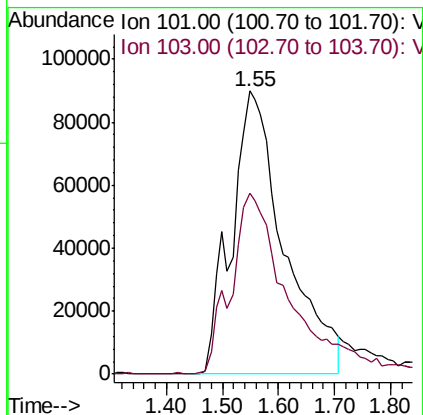
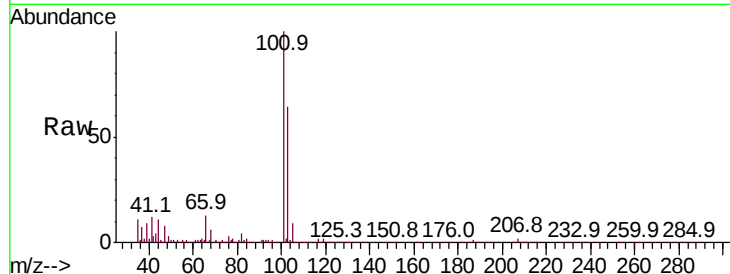


#7

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

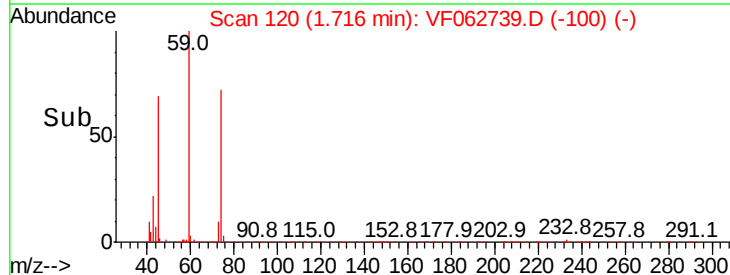
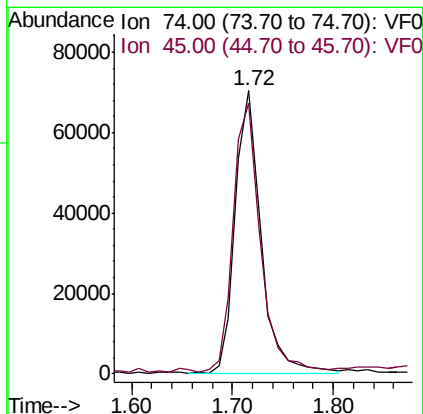
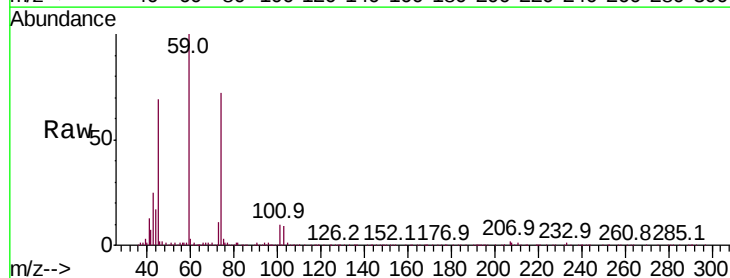
Tot Ion:101 Resp: 591405
Ion Ratio Lower Upper
101 100
103 63.8 47.3 70.9

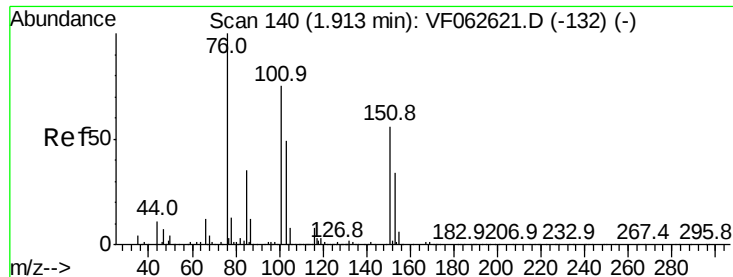


#8

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

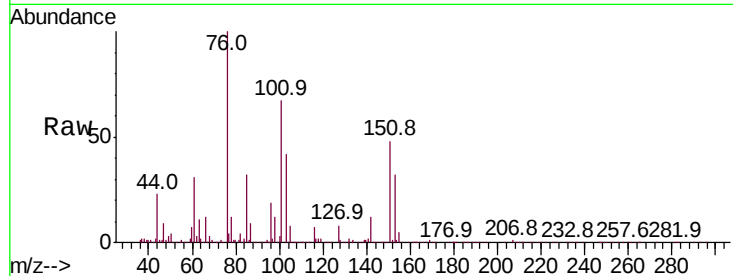
Tot Ion:101 Resp: 377832

Ion Ratio Lower Upper

101 100

85 47.7 37.1 55.7

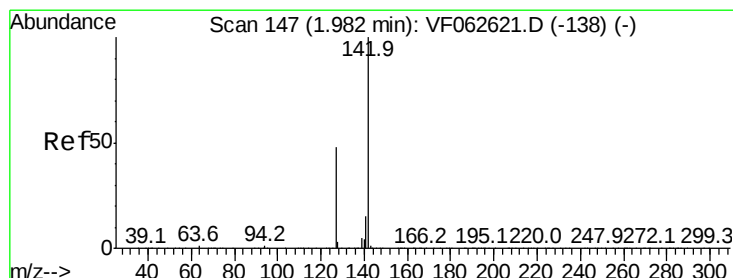
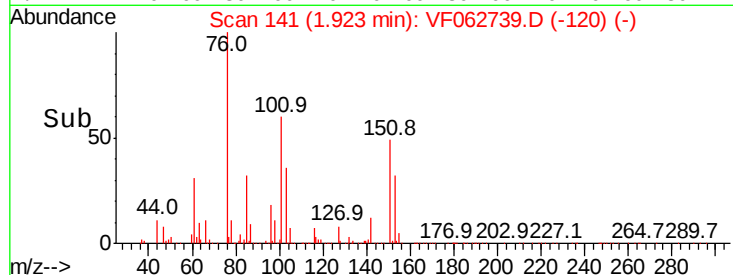
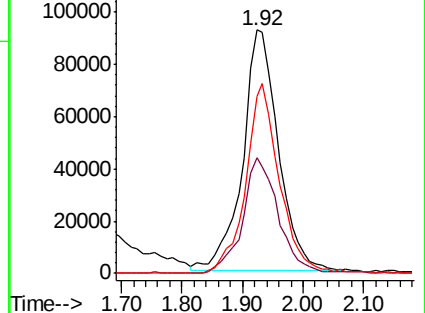
151 72.8 58.8 88.2



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: 50.798 ug/l m

RT: 2.00 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062739.D

Acq: 24 May 2019 10:45

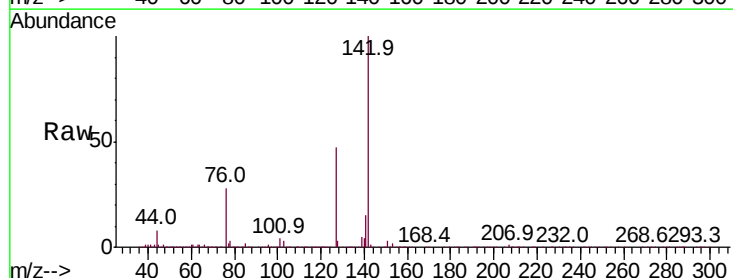
Tgt Ion:142 Resp: 756510

Ion Ratio Lower Upper

142 100

127 47.1 38.1 57.1

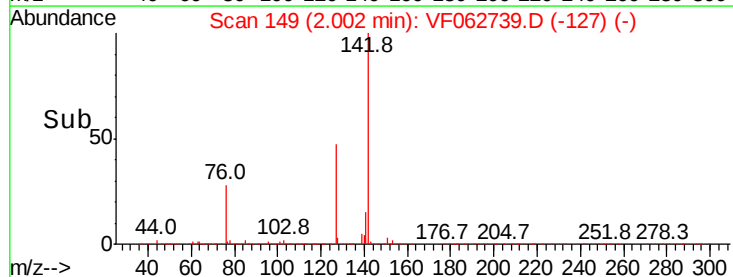
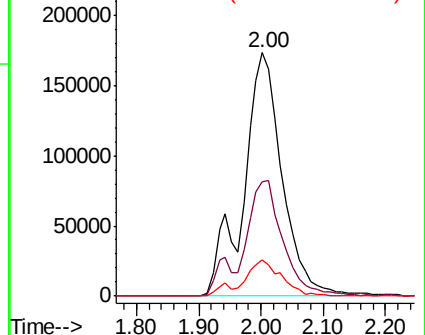
141 14.7 11.7 17.5

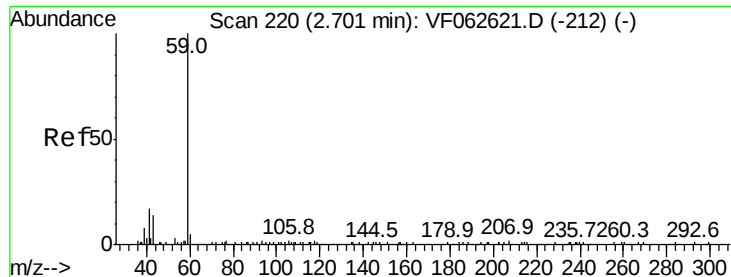


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



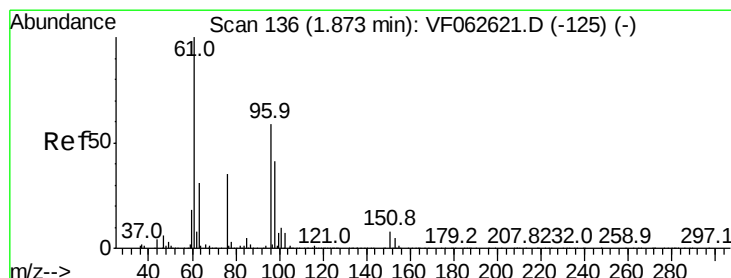
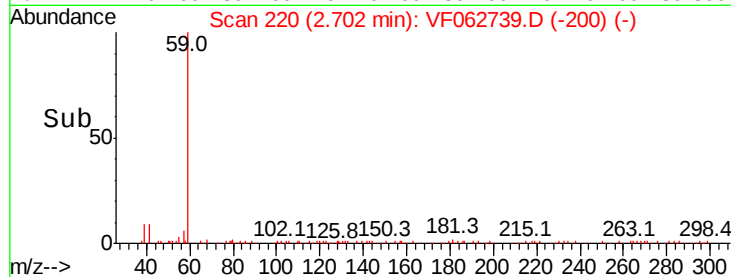
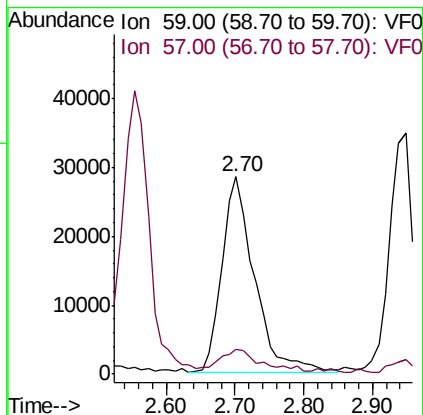
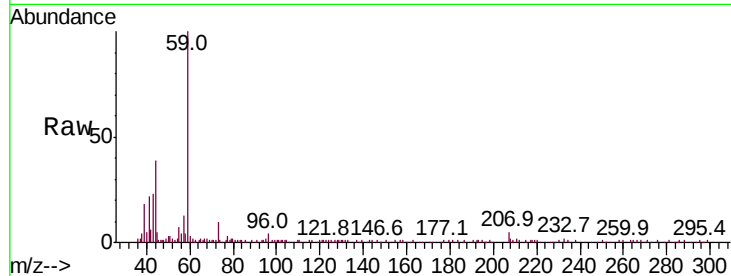


#11

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

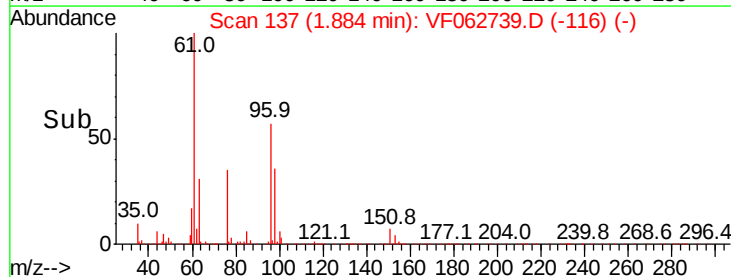
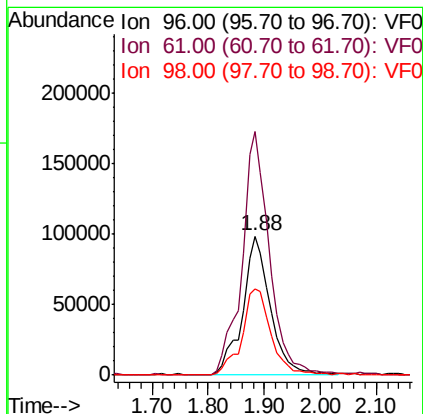
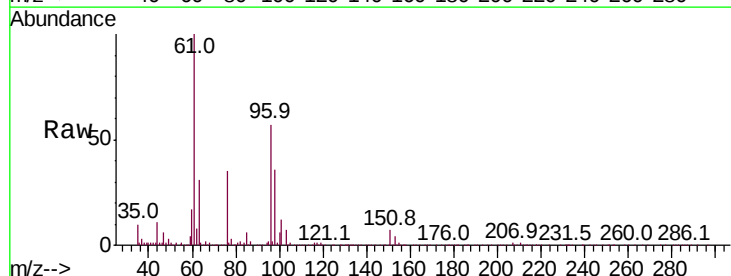
Tot Ion: 59 Resp: 91806
 Ion Ratio Lower Upper
 59 100
 57 12.8 9.3 13.9

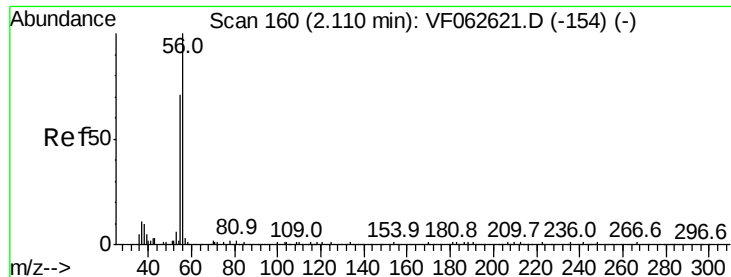


#12

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

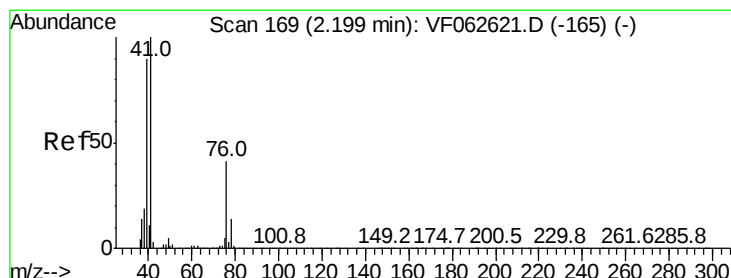
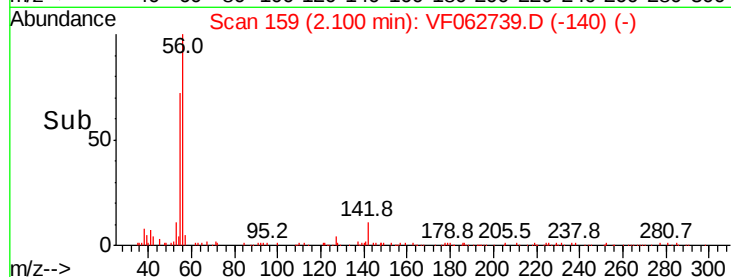
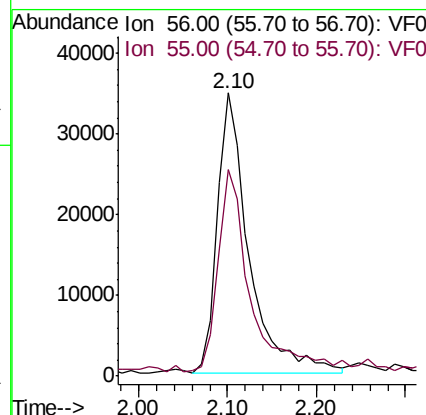
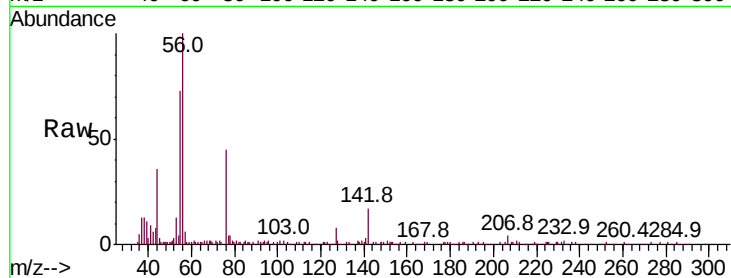




#13
Acrolein
Concen: 232.419 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

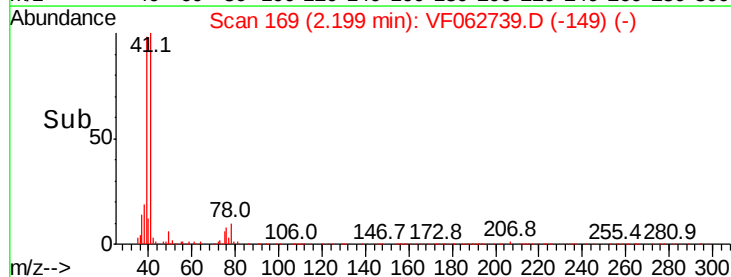
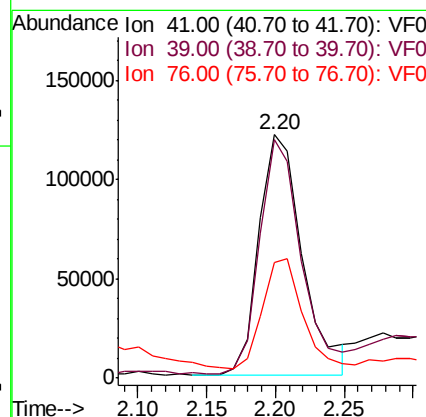
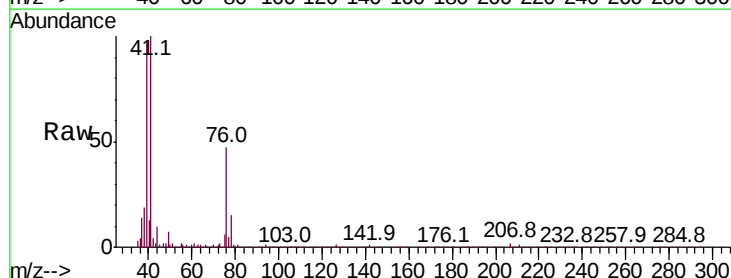
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

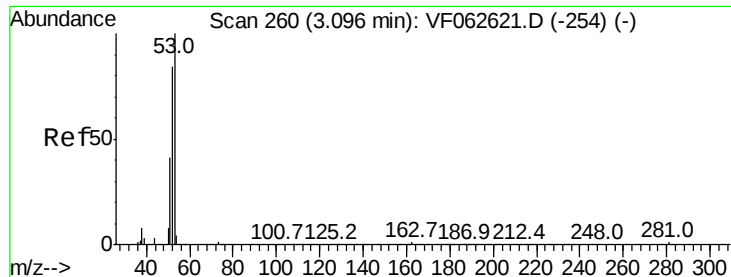
Tot Ion: 56 Resp: 87015
Ion Ratio Lower Upper
56 100
55 72.9 59.4 89.0



#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

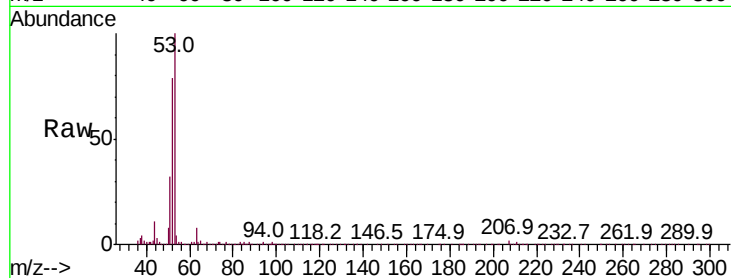
Tot Ion: 53 Resp: 367682

Ion Ratio Lower Upper

53 100

52 78.6 67.3 100.9

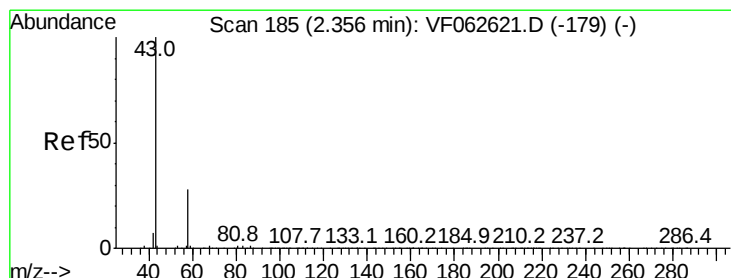
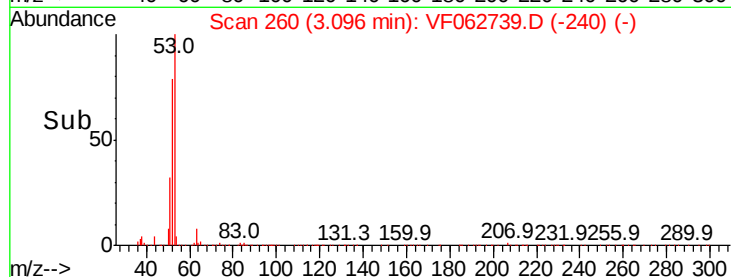
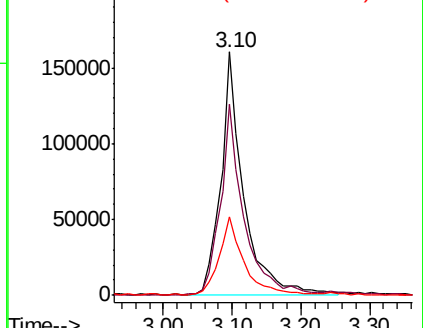
51 32.2 33.0 49.6#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 270.962 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062739.D

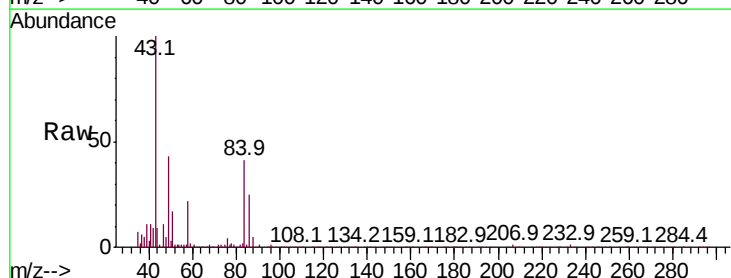
Acq: 24 May 2019 10:45

Tgt Ion: 43 Resp: 381885

Ion Ratio Lower Upper

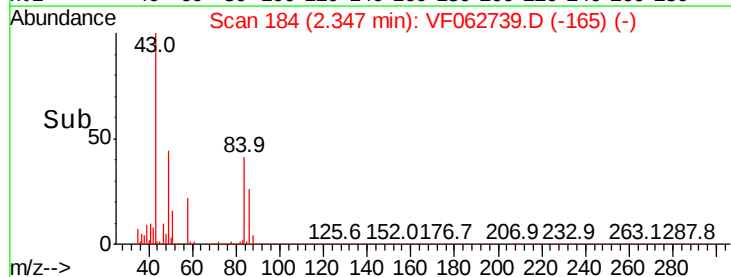
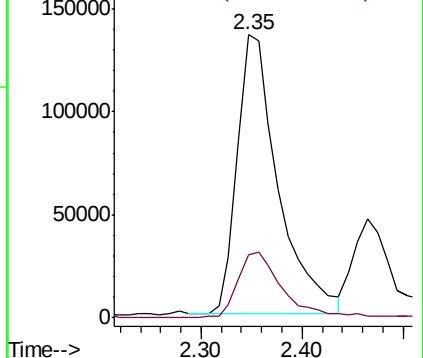
43 100

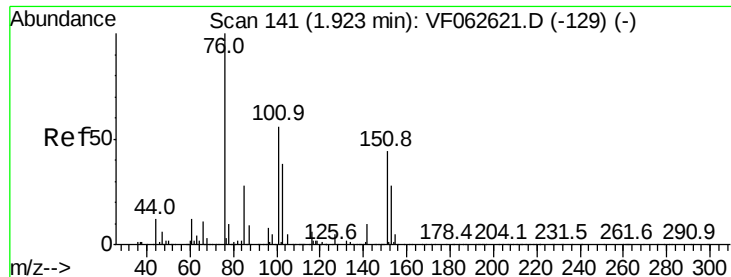
58 22.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#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 :

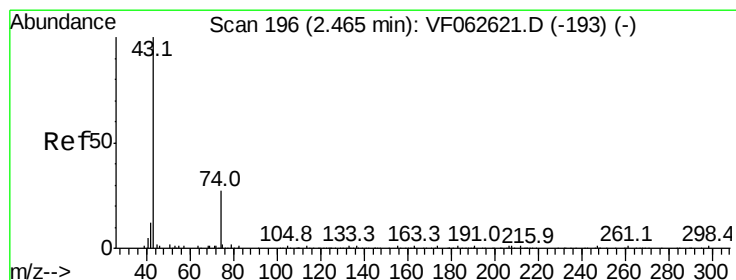
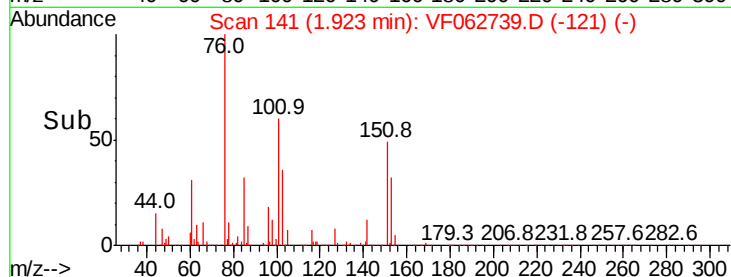
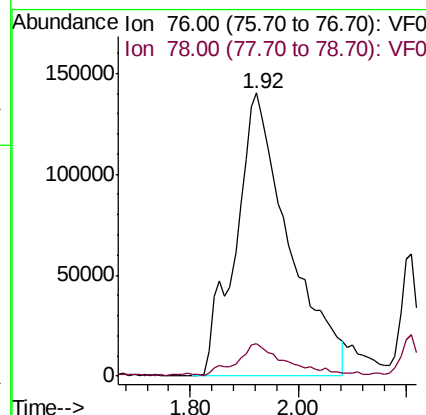
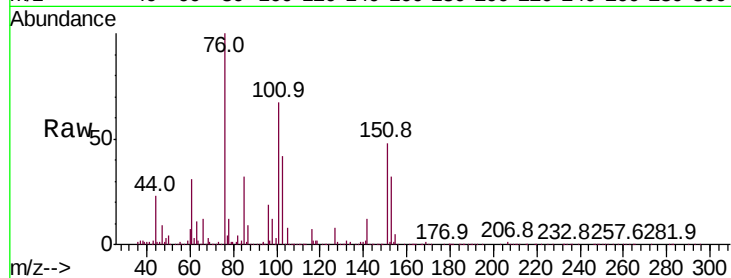
VSTDCCC050

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

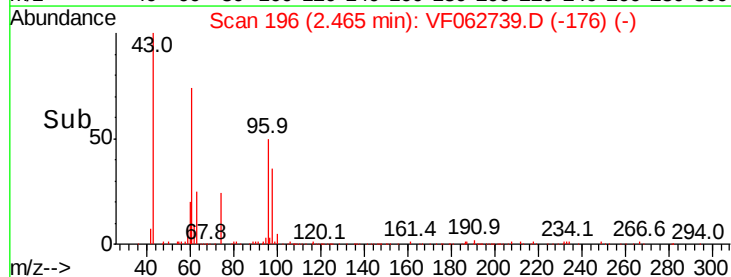
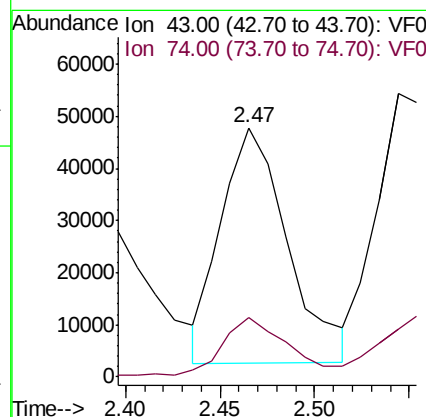
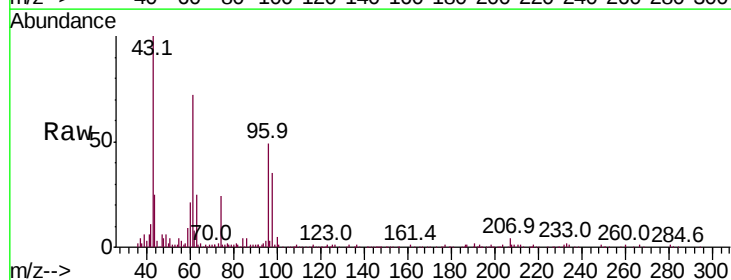
Acq: 24 May 2019 10:45

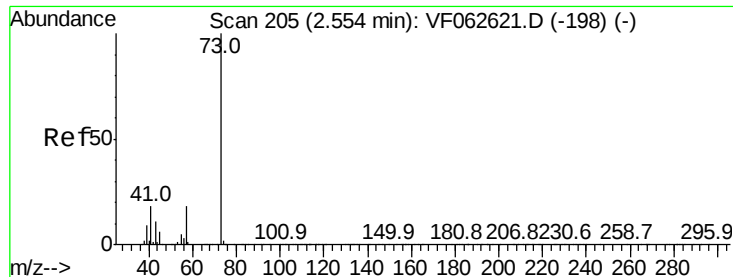
Tgt Ion: 43 Resp: 109970

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3



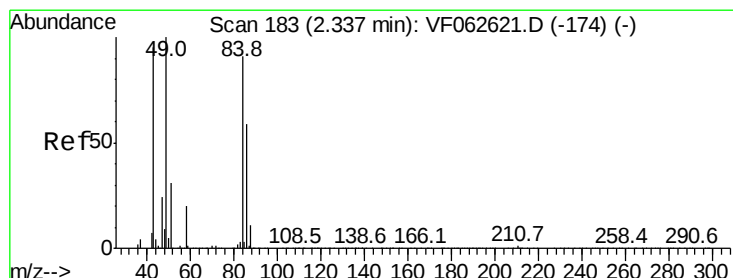
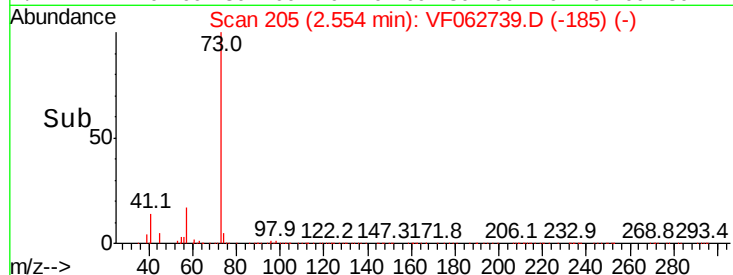
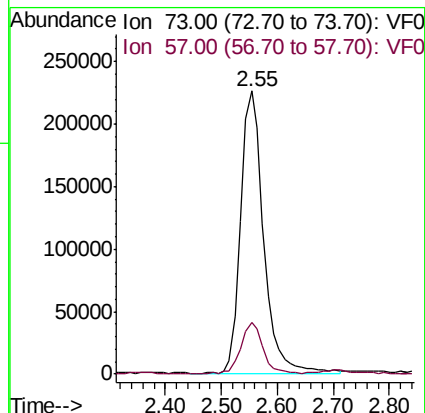
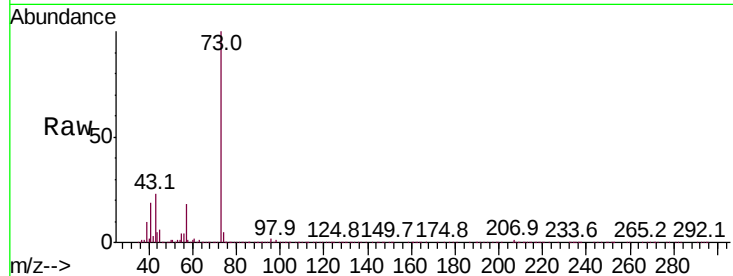


#19

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

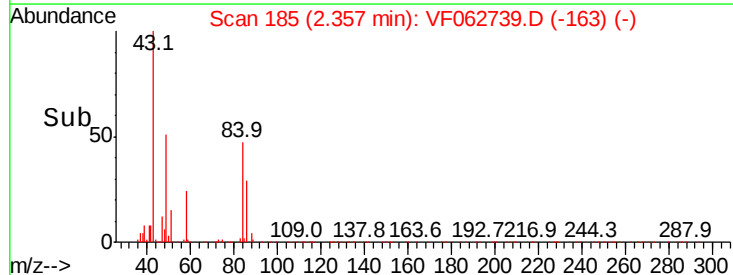
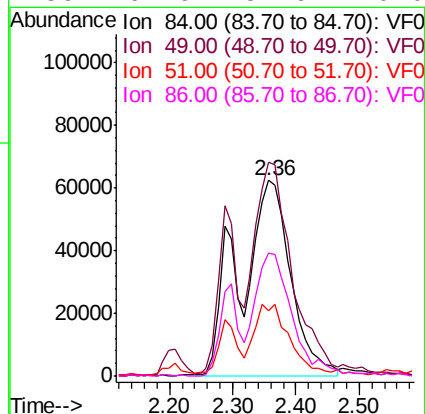
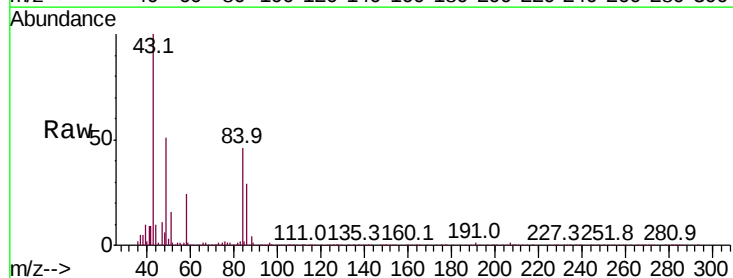
Tot Ion: 73 Resp: 644443
 Ion Ratio Lower Upper
 73 100
 57 18.1 14.2 21.4

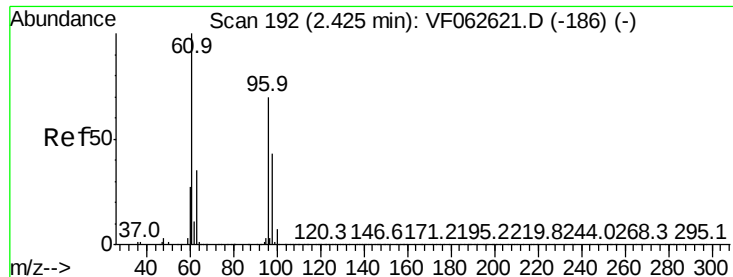


#20

Methylene Chloride
 Concen: 48.727 ug/l m
 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: 344223
 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

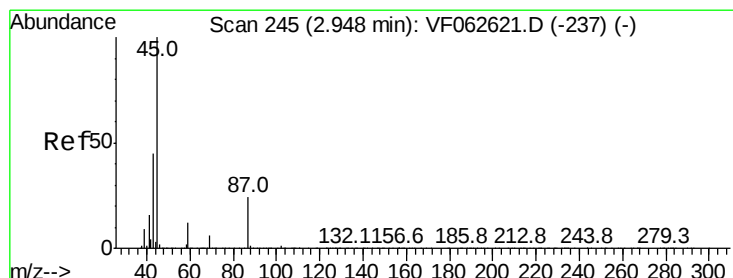
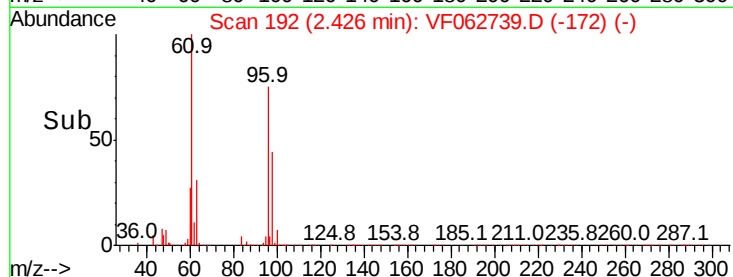
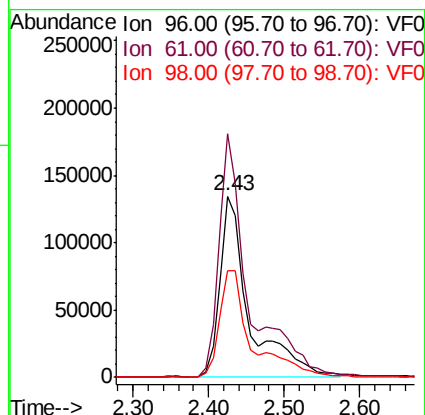
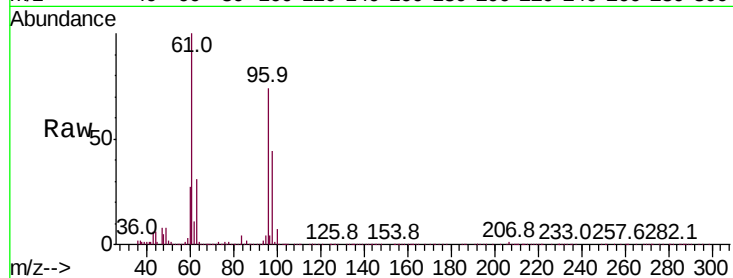
Lab File: VF062739.D

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

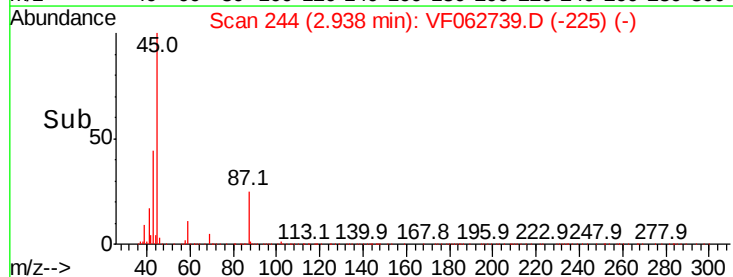
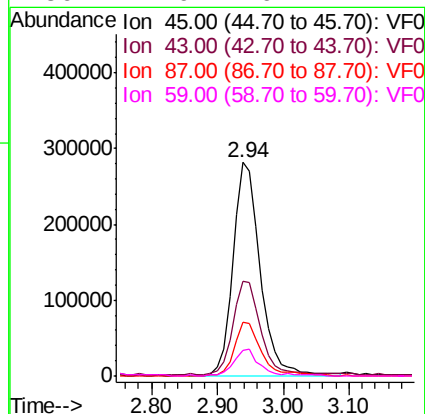
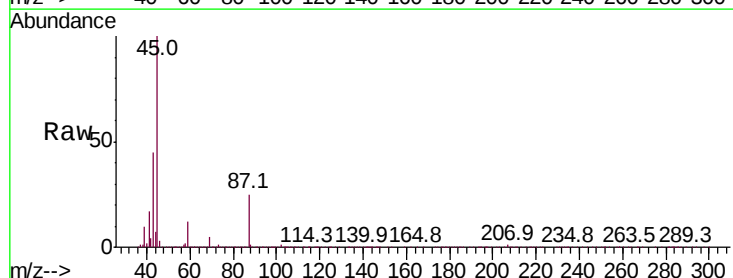
Delta R.T. -0.01 min

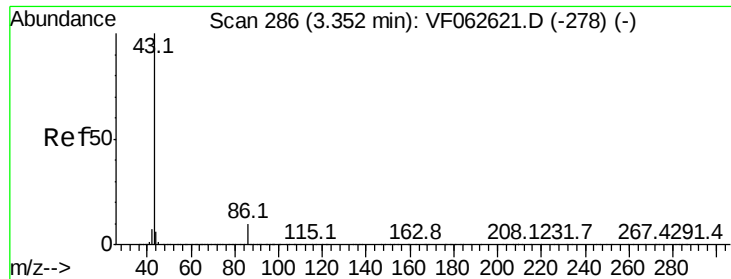
Lab File: VF062739.D

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 :

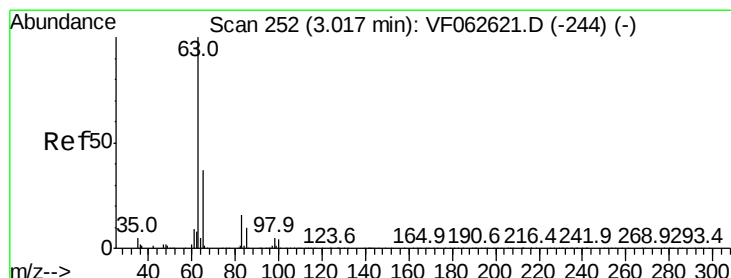
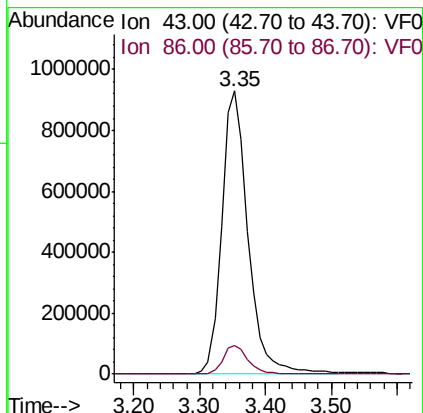
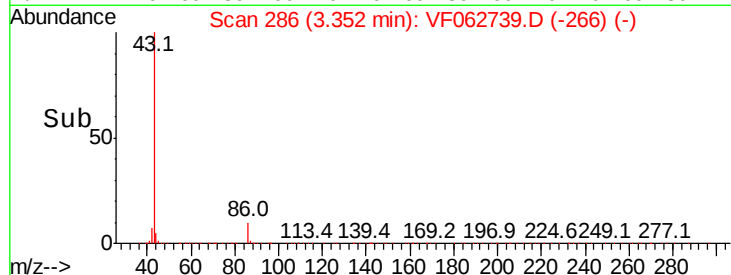
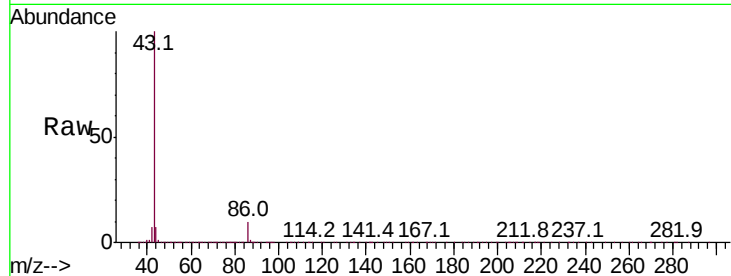
VSTDCCC050

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

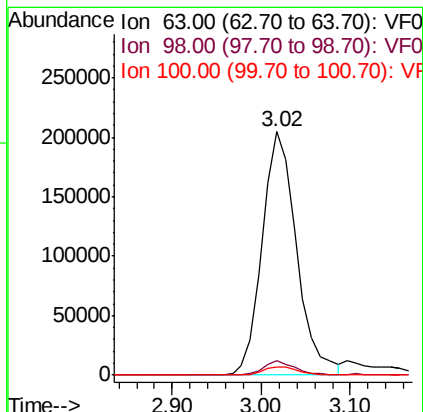
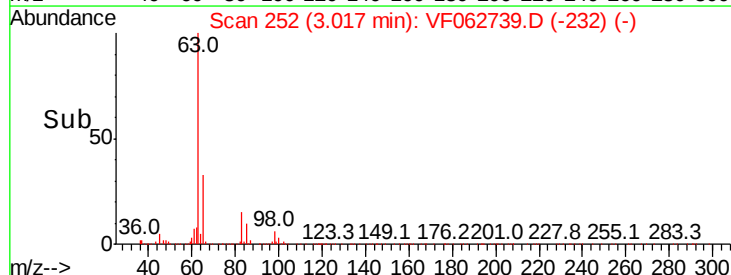
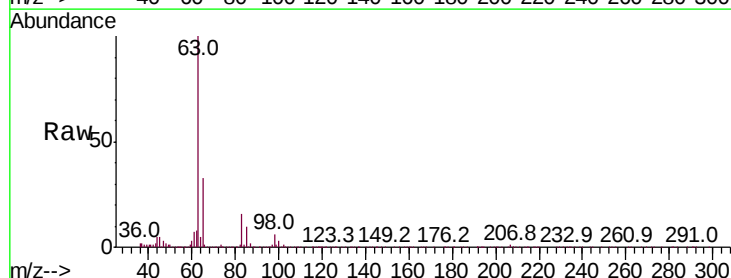
Tgt Ion: 63 Resp: 544887

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 :

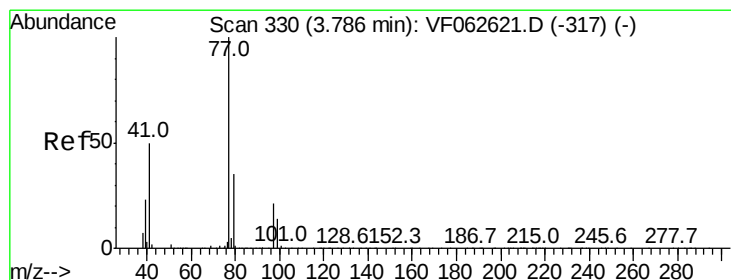
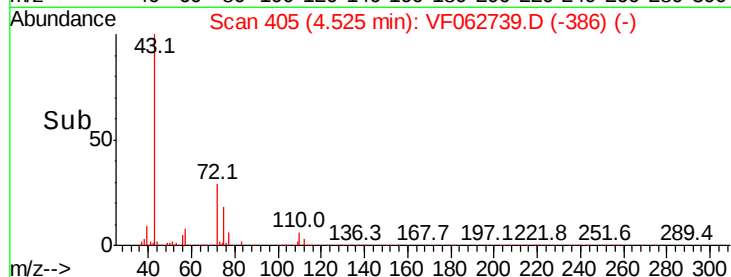
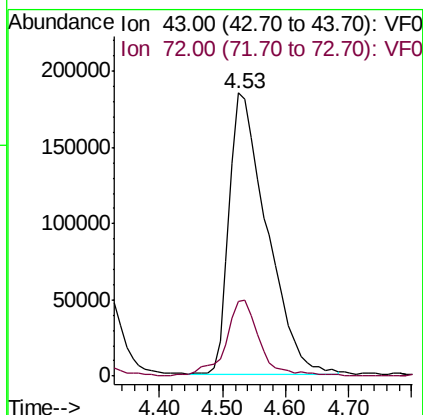
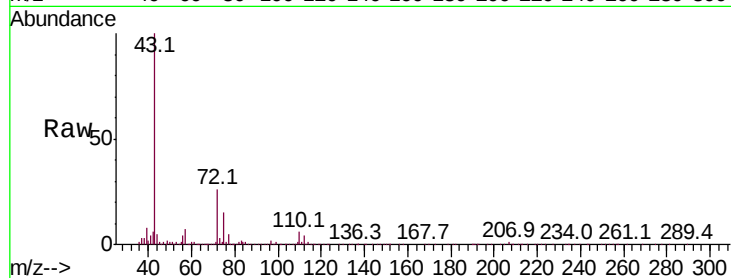
VSTDCCC050

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

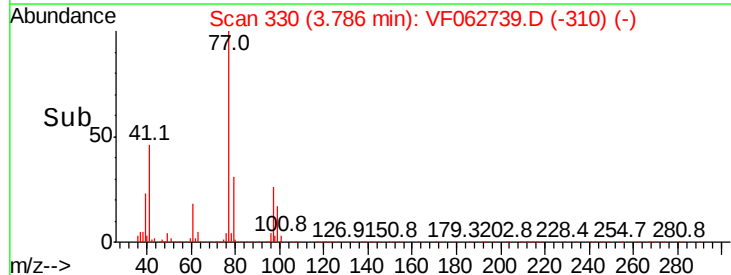
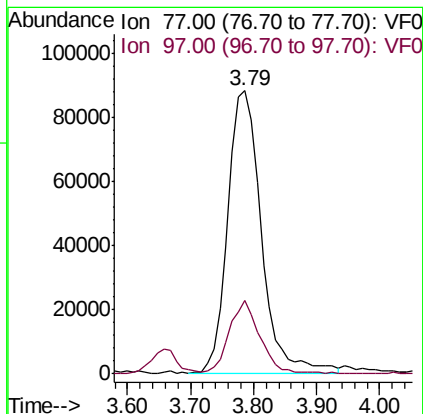
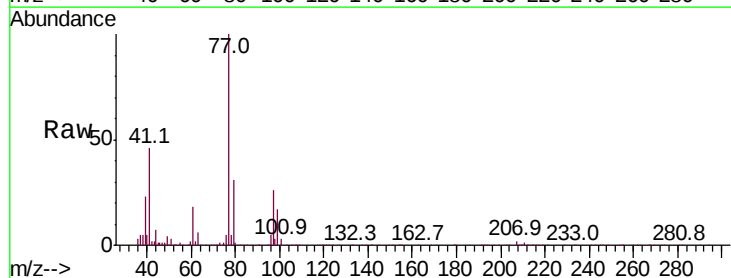
Acq: 24 May 2019 10:45

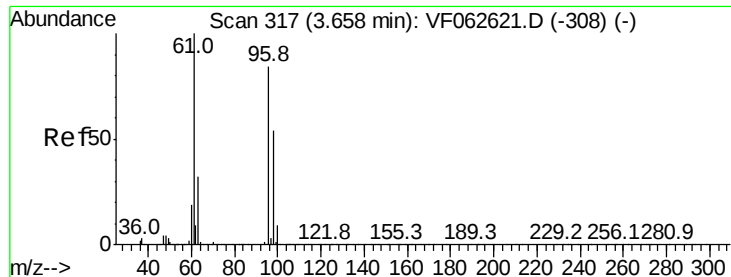
Tgt Ion: 77 Resp: 324681

Ion Ratio Lower Upper

77 100

97 26.0 14.1 42.4



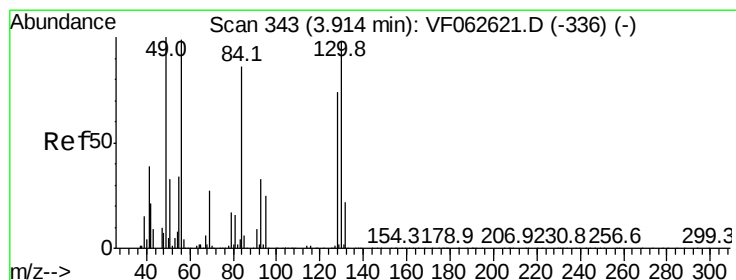
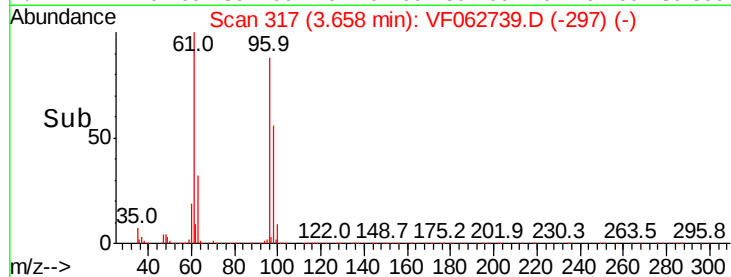
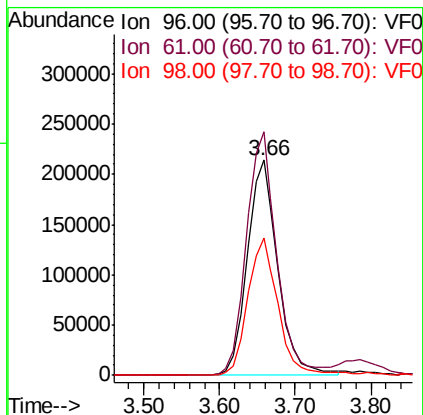
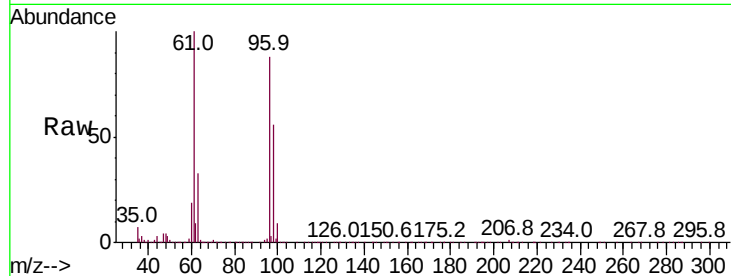


#27

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

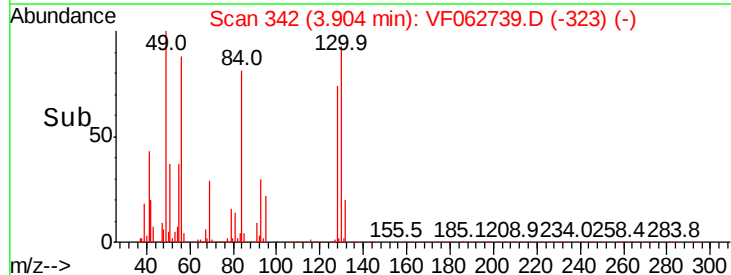
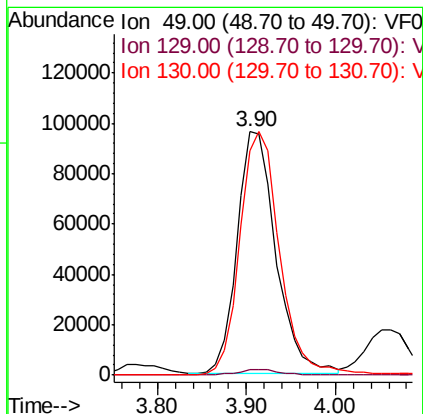
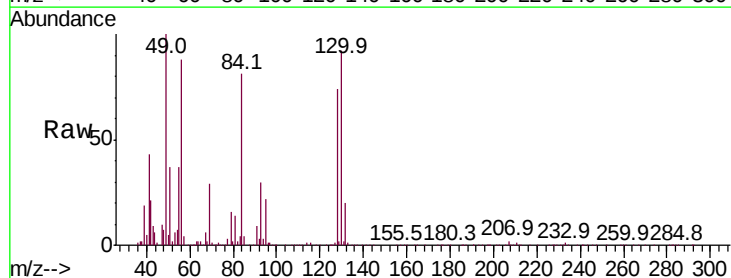
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.3	0.0	237.4
98	63.8	0.0	129.0

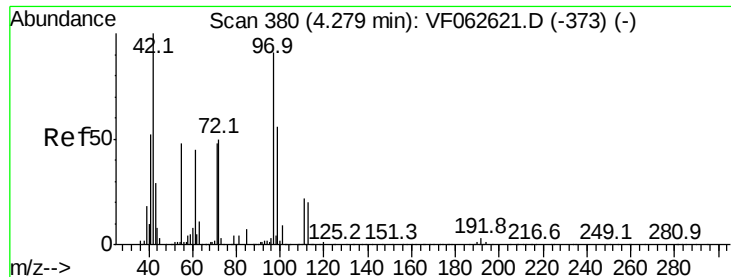


#28

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

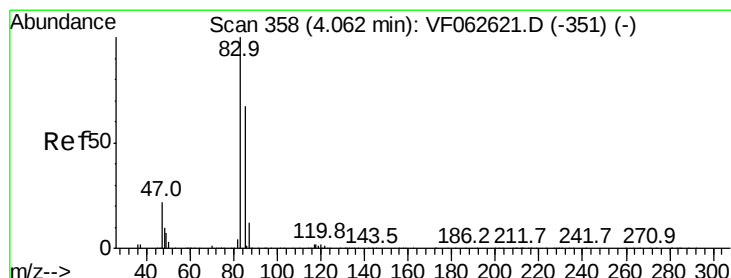
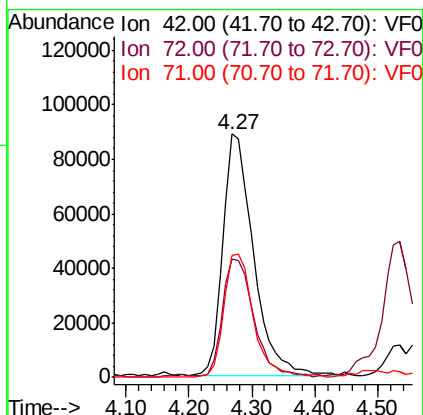
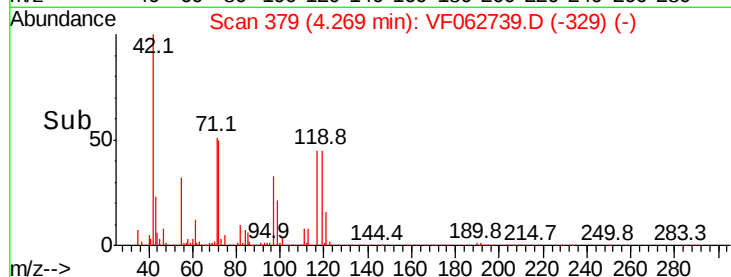
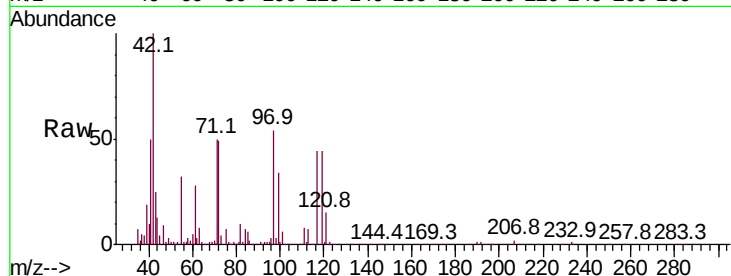




#29
Tetrahydrofuran
Concen: 243.398 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

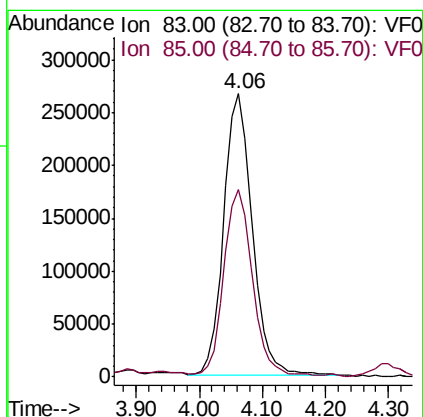
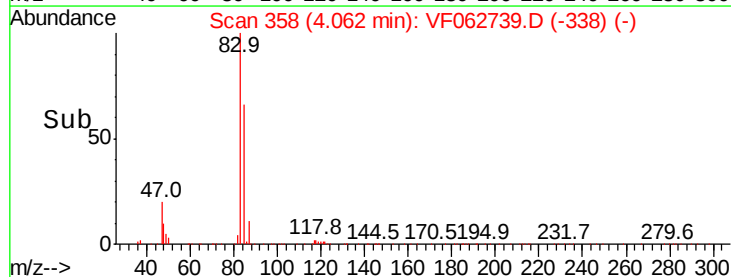
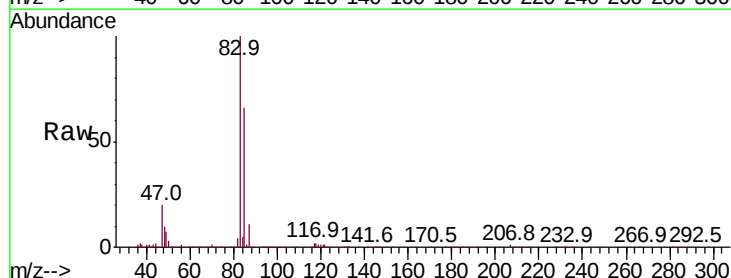
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

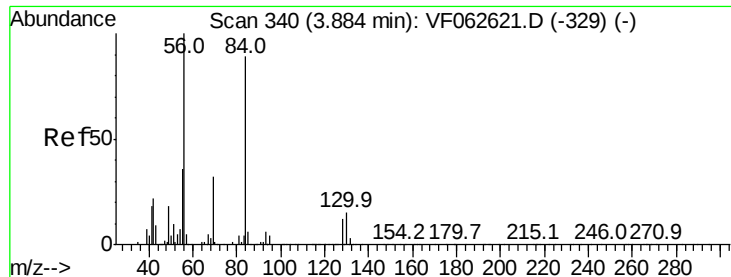
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	38.2	57.2
71	49.9	35.8	53.6



#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

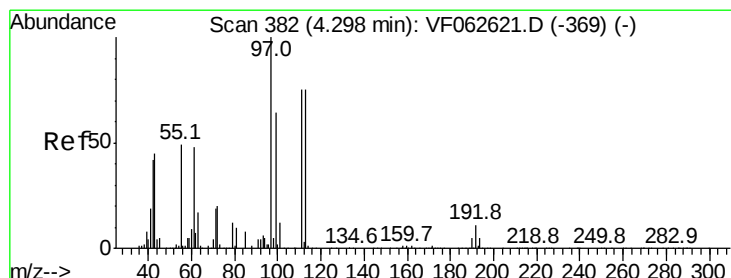
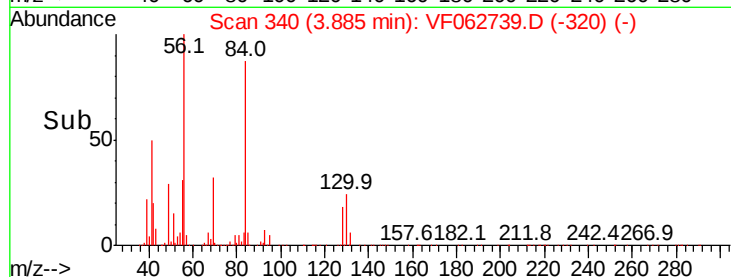
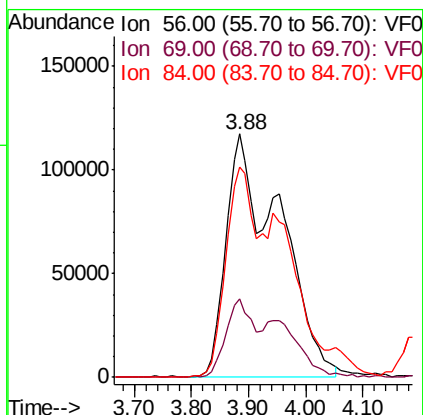
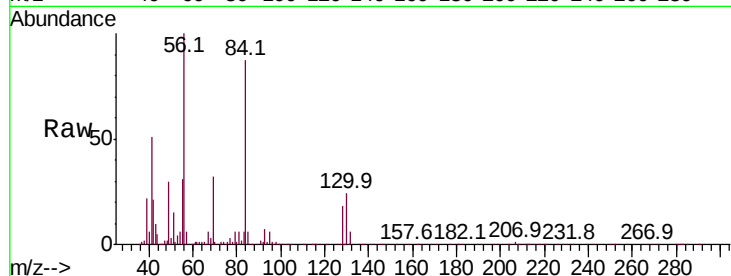




#31
Cyclohexane
Concen: 50.351 ug/l m
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

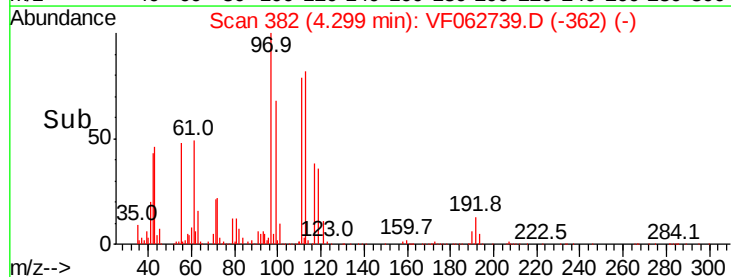
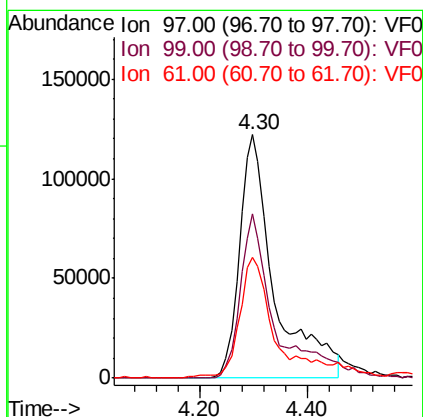
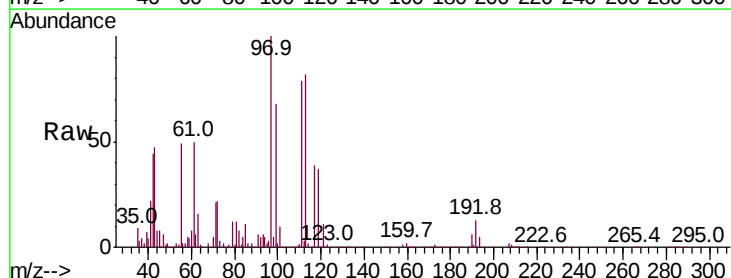
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

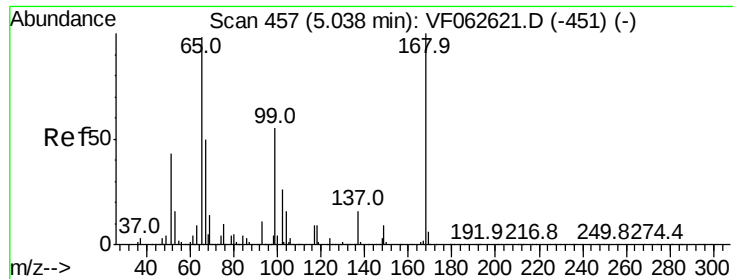
Tot Ion: 56 Resp: 764568
Ion Ratio Lower Upper
56 100
69 32.2 25.3 37.9
84 86.5 71.0 106.4



#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

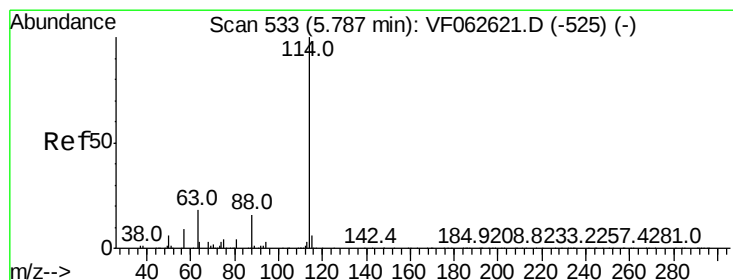
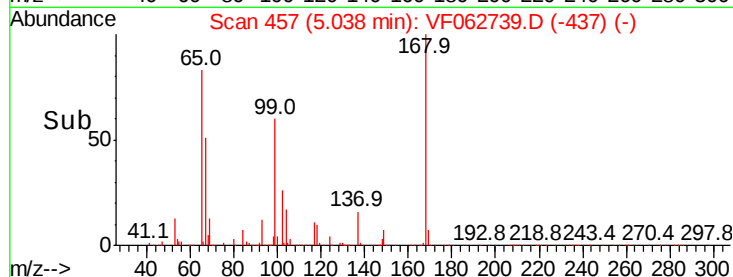
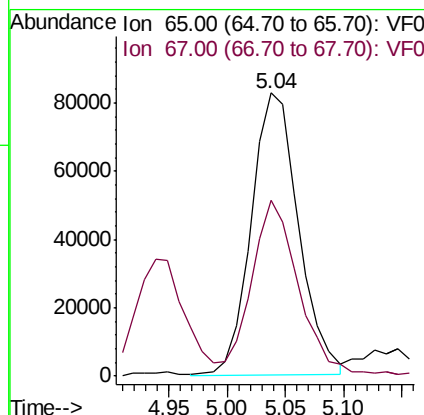
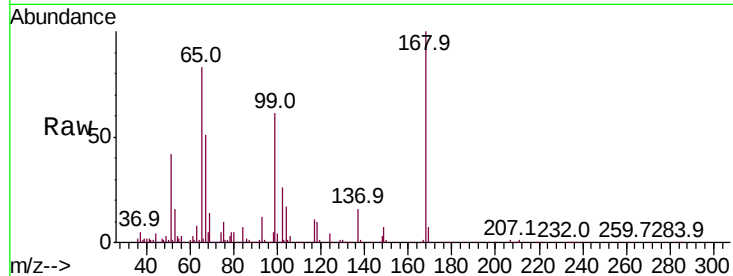




#33
 1,2-Dichloroethane-d4
 Concen: 42.639 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

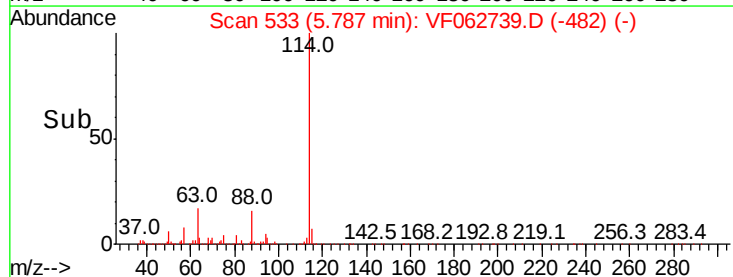
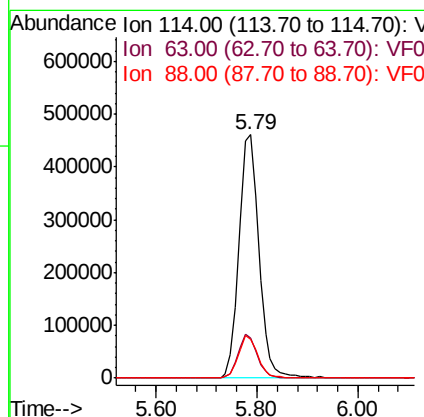
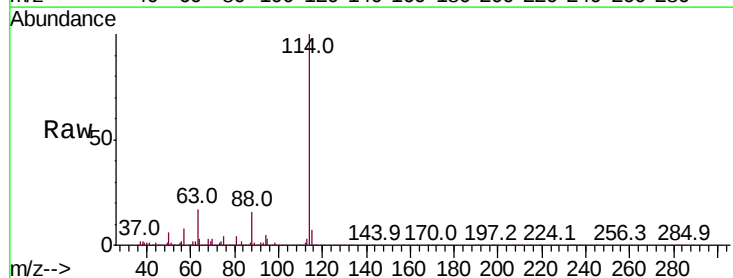
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

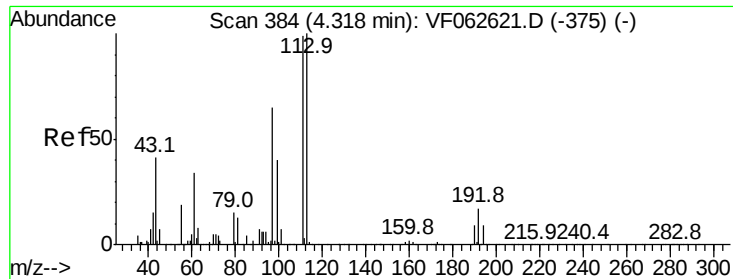
Tot Ion: 65 Resp: 231635
 Ion Ratio Lower Upper
 65 100
 67 61.9 0.0 117.6



#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

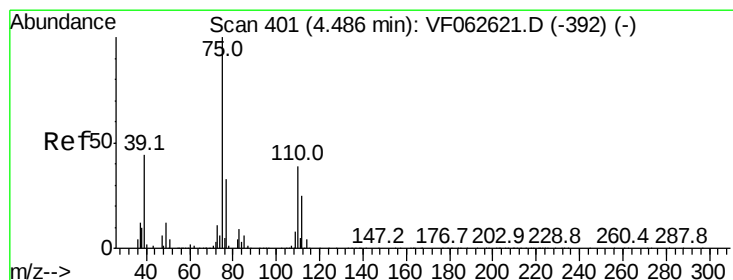
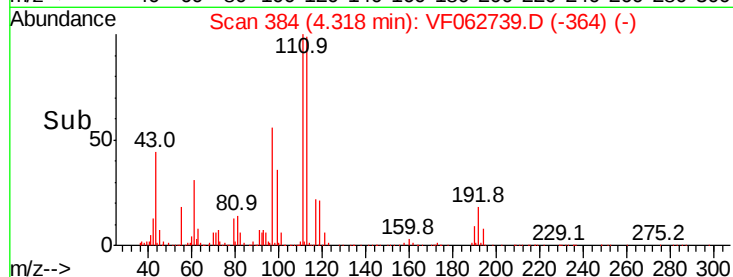
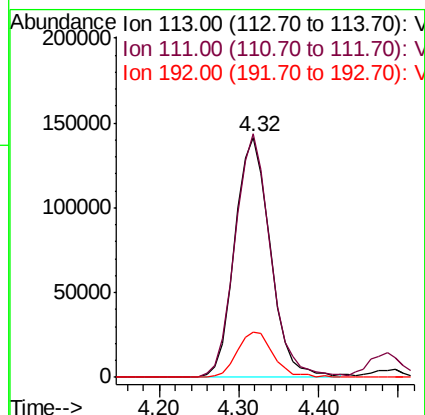
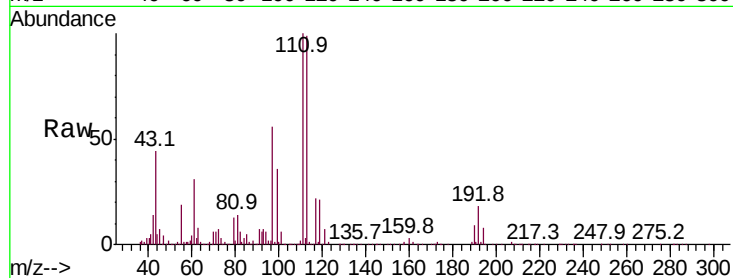




#35
 Dibromofluoromethane
 Concen: 45.891 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

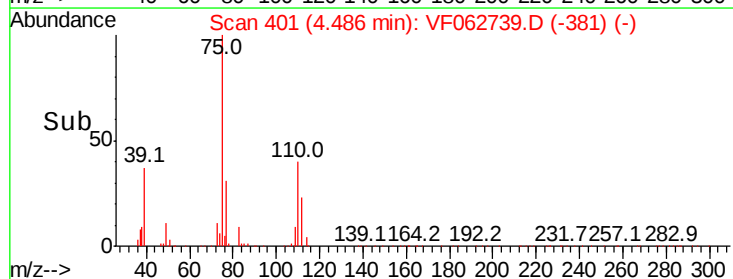
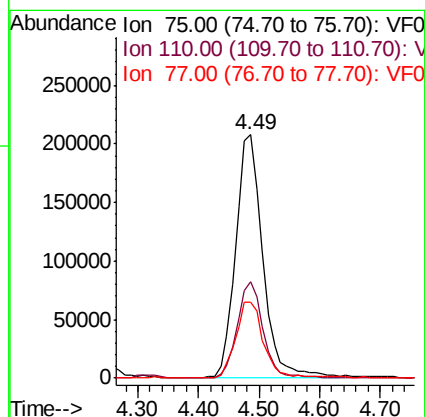
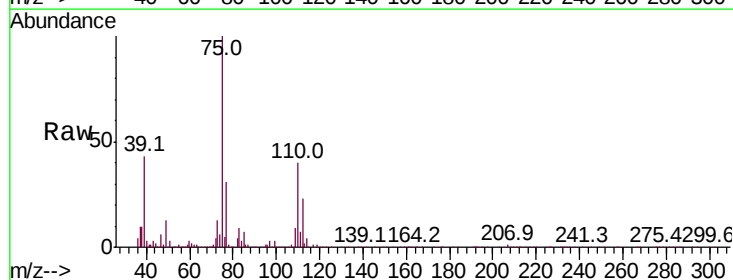
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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

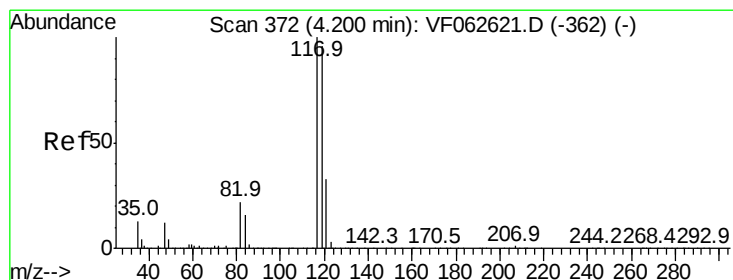
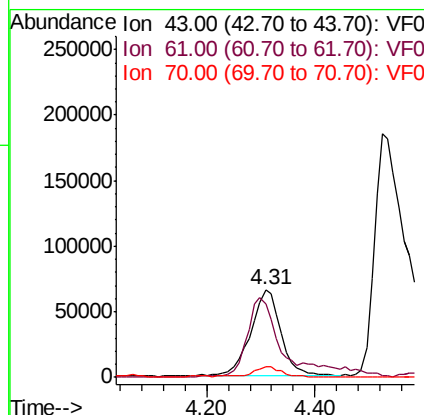
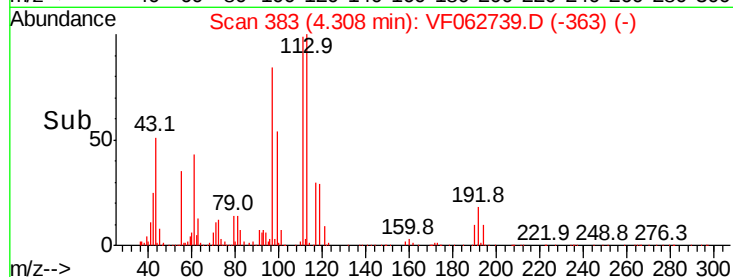
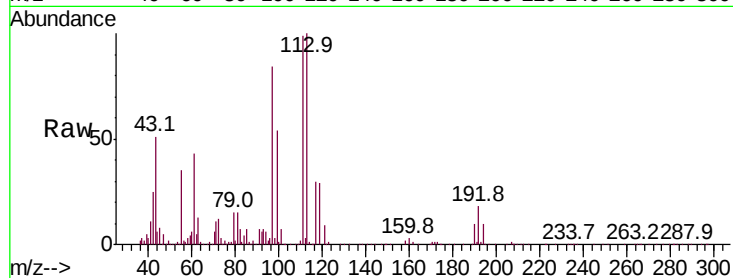




#37
Ethyl Acetate
Concen: 48.932 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

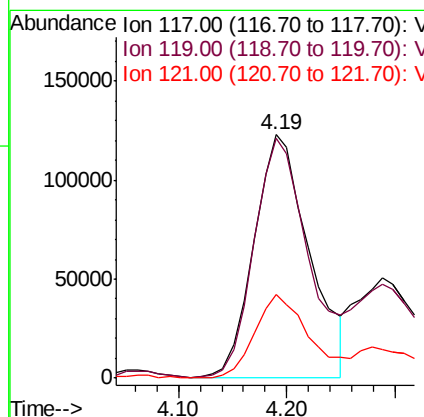
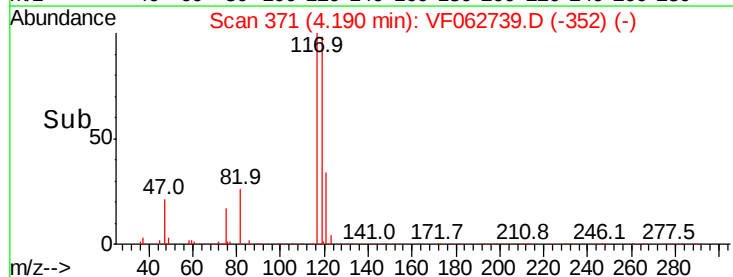
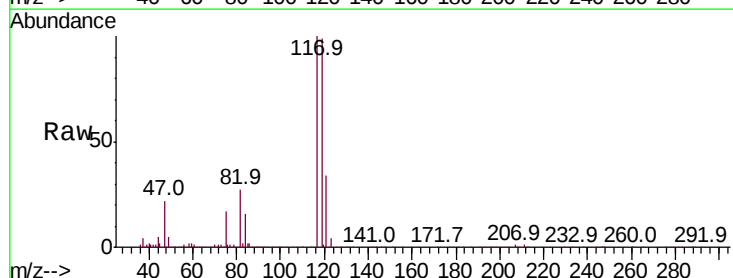
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

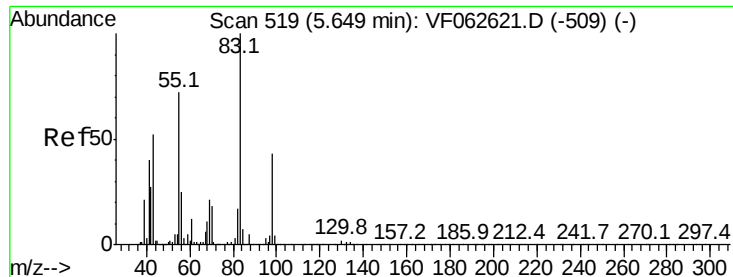
Tot Ion: 43 Resp: 256219
Ion Ratio Lower Upper
43 100
61 83.9 76.9 115.3
70 11.5 8.8 13.2



#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

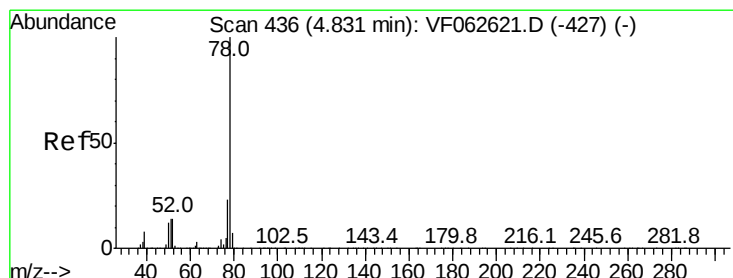
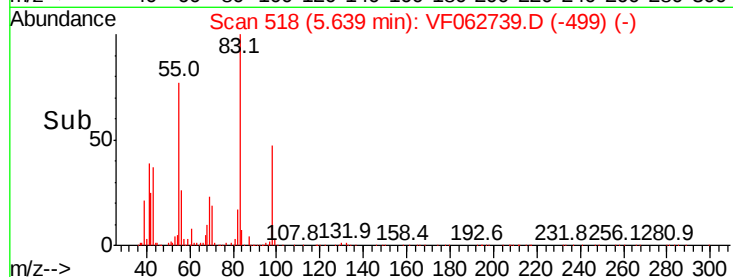
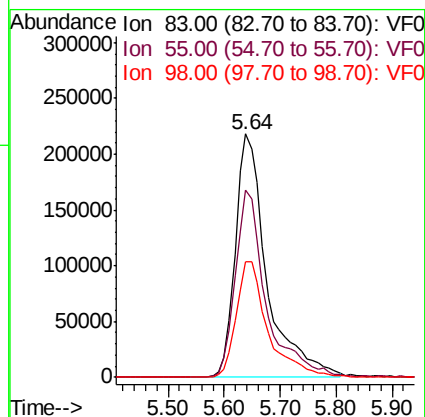
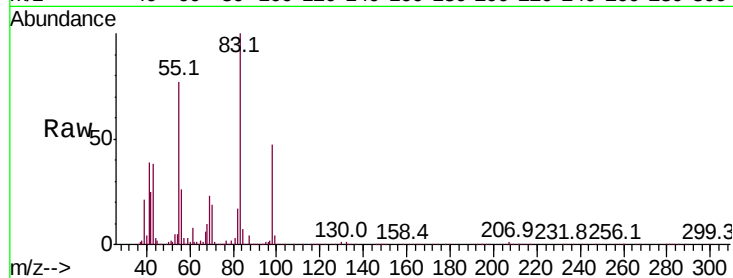




#39
Methylcyclohexane
Concen: 55.379 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

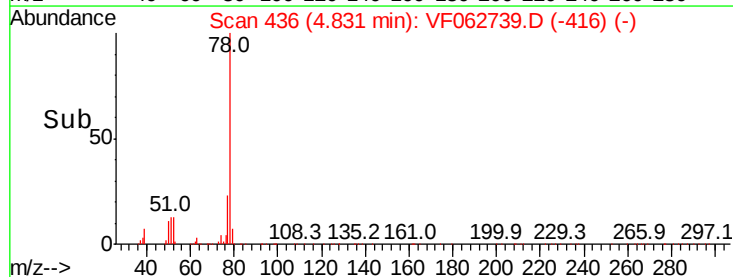
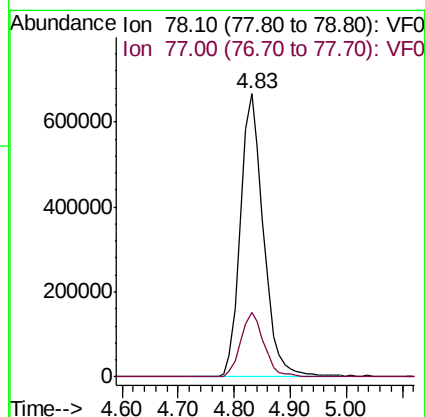
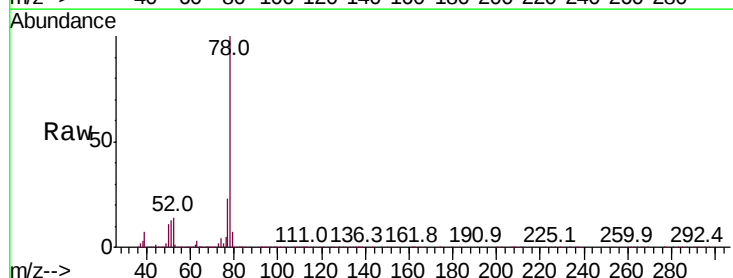
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

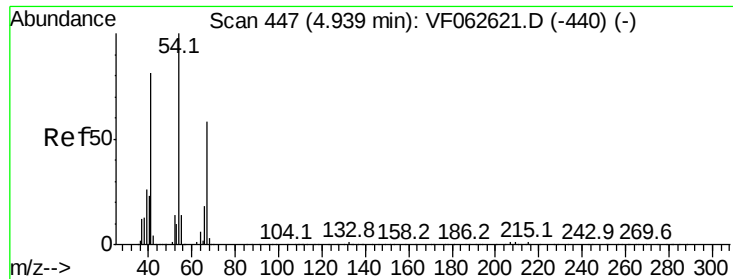
Tot Ion: 83 Resp: 854552
Ion Ratio Lower Upper
83 100
55 76.7 57.9 86.9
98 47.5 34.6 52.0



#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

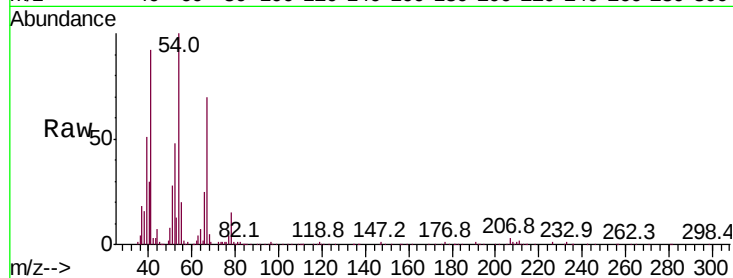




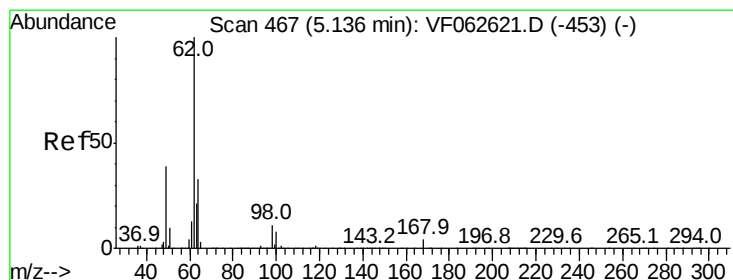
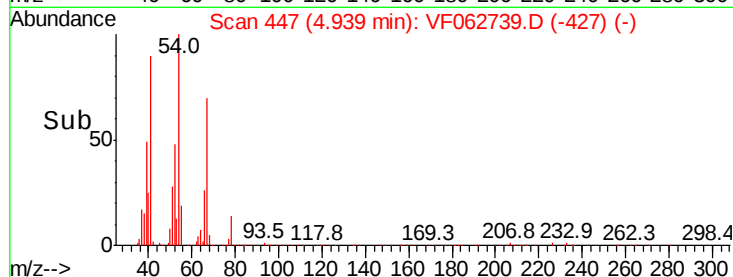
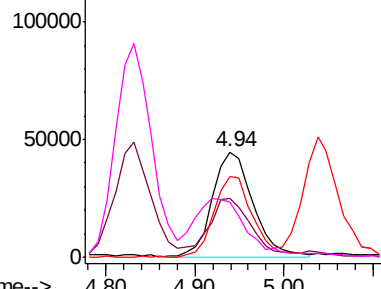
#41
Methacrylonitrile
Concen: 50.486 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

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

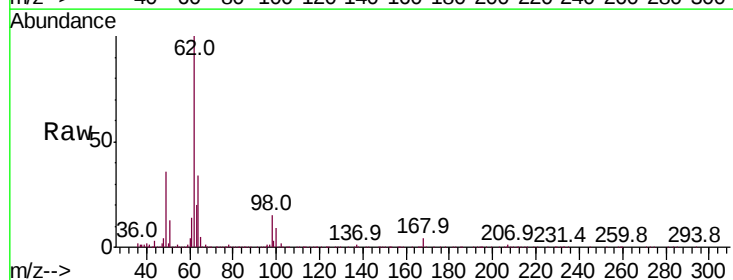


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

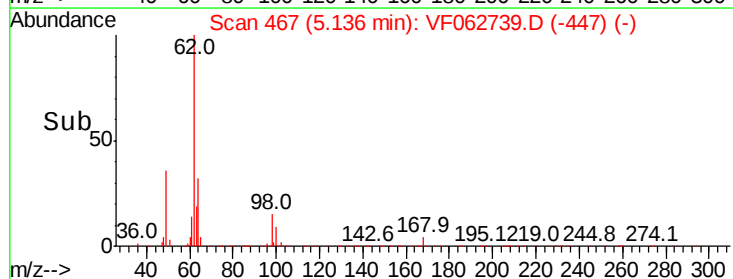
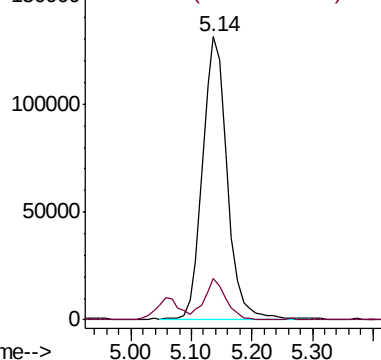


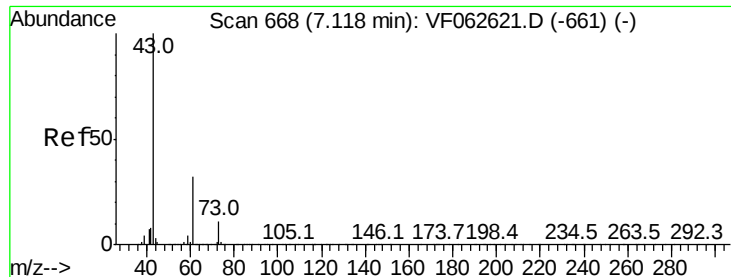
#42
1,2-Dichloroethane
Concen: 53.446 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

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



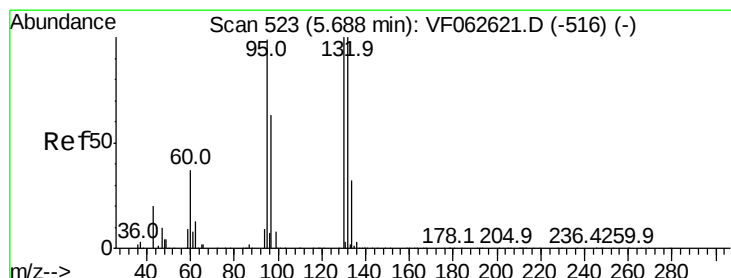
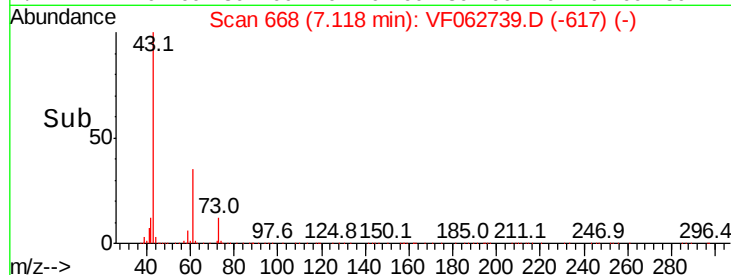
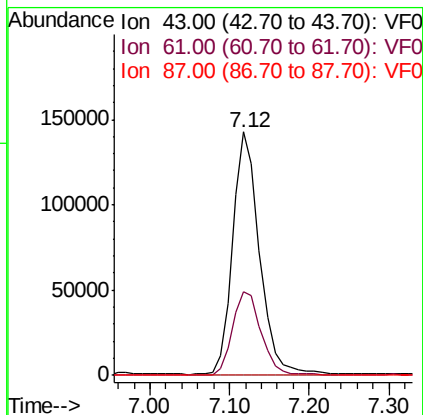
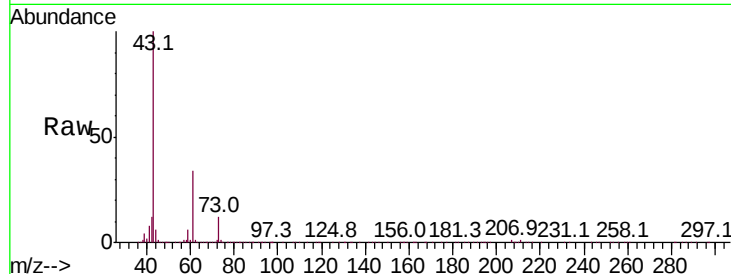


#43

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

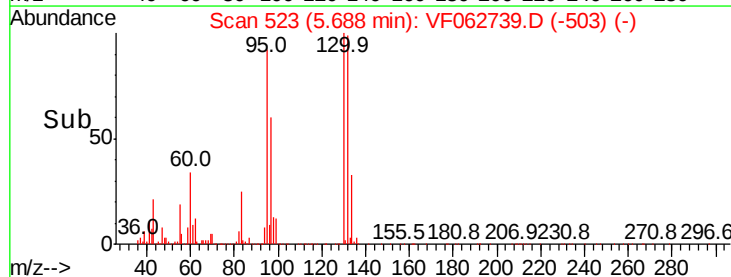
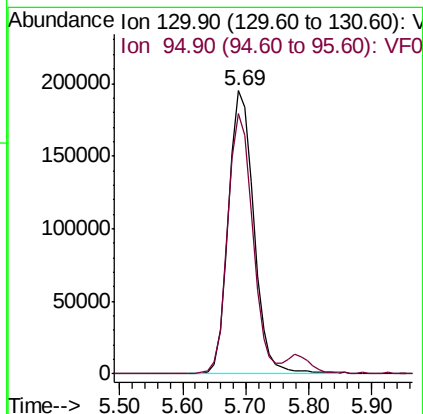
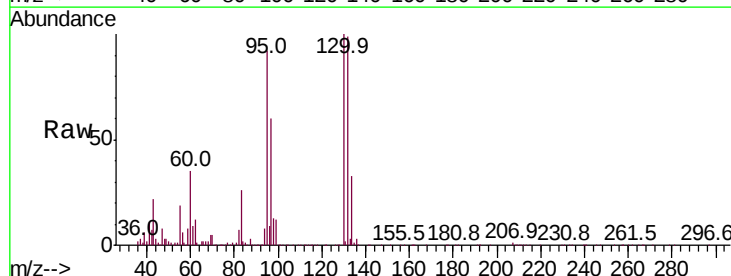
Tot Ion	Ratio	Lower	Upper
43	100		
61	34.3	25.8	38.8
87	0.4	0.4	0.6

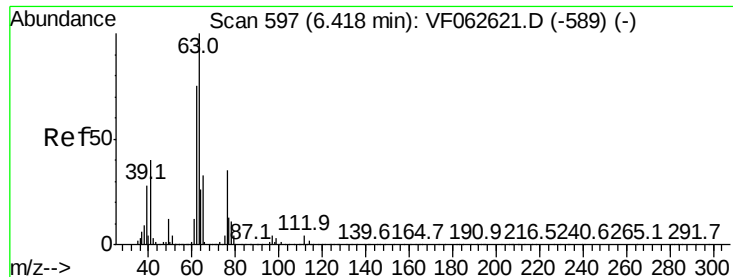


#44

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	Ratio	Lower	Upper
130	100		
95	92.2	0.0	199.4





#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 :

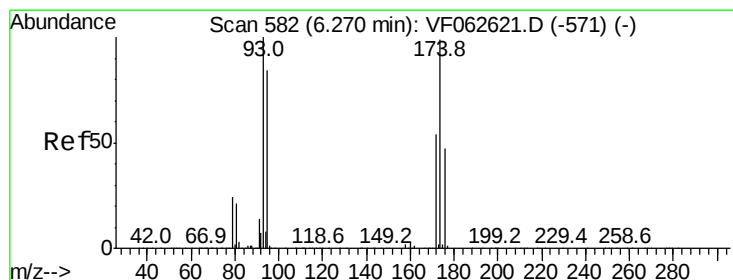
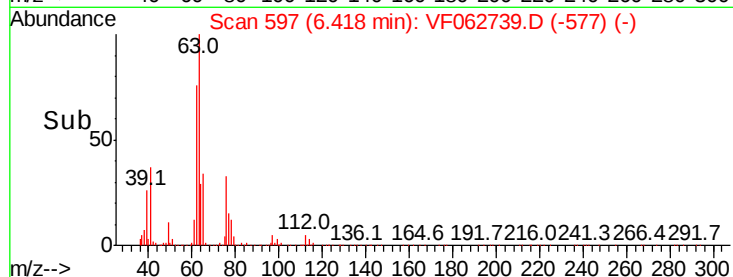
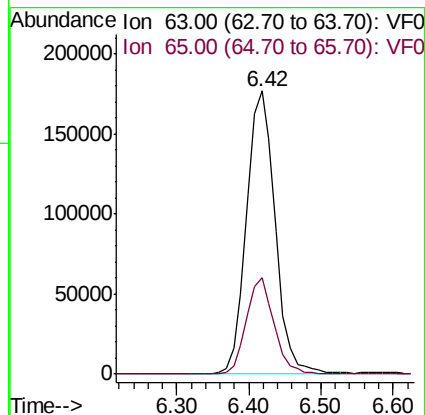
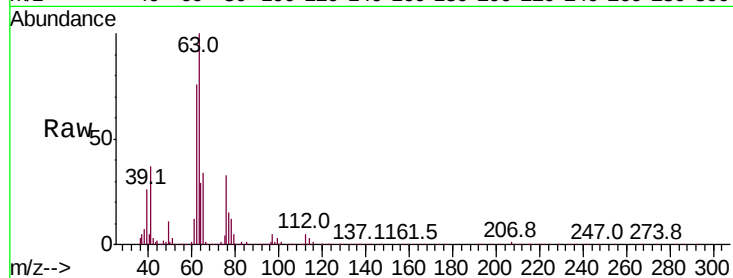
VSTDCCC050

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

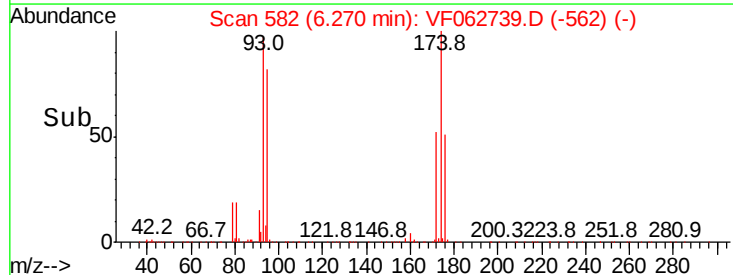
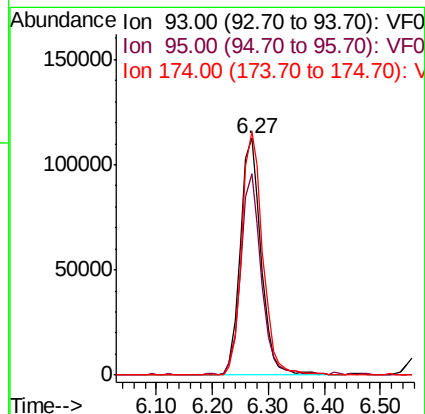
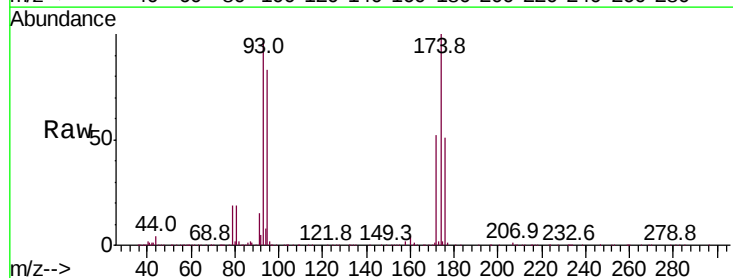
Tgt Ion: 93 Resp: 289151

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

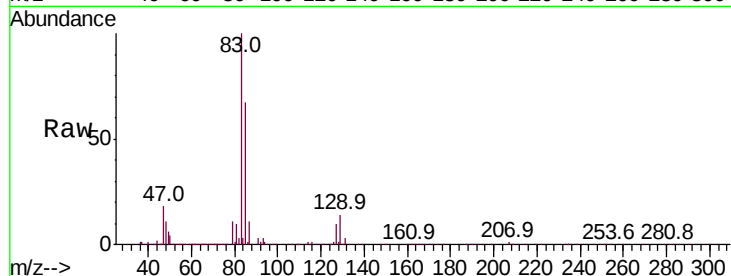
Tot Ion: 83 Resp: 579817

Ion Ratio Lower Upper

83 100

85 67.5 52.0 78.0

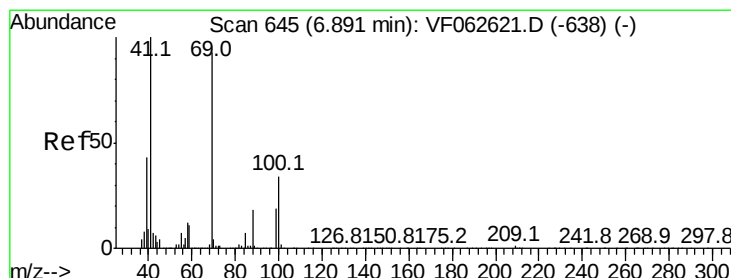
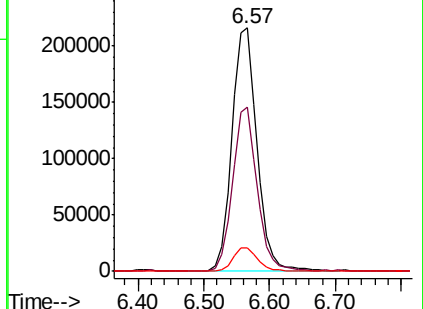
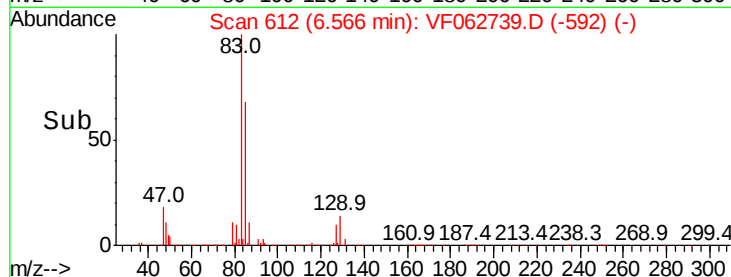
127 9.7 7.7 11.5



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

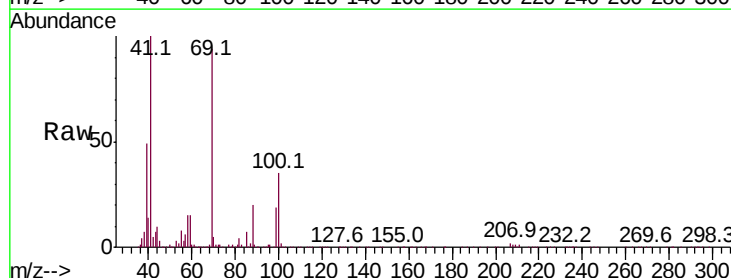
Tgt Ion: 41 Resp: 177710

Ion Ratio Lower Upper

41 100

69 93.7 74.2 111.2

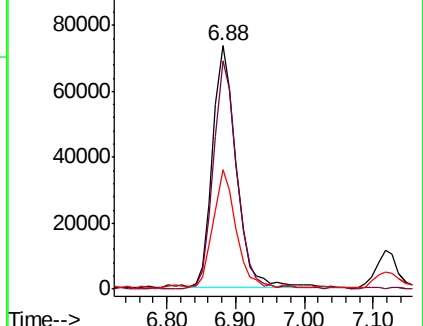
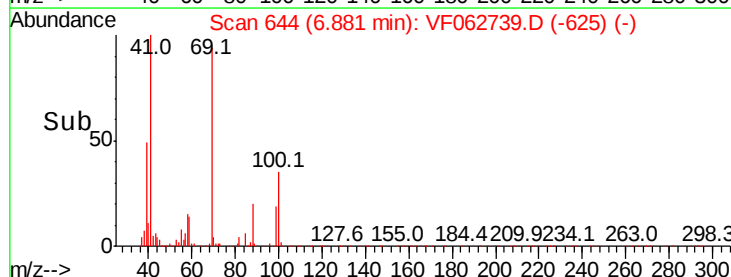
39 49.1 34.2 51.4

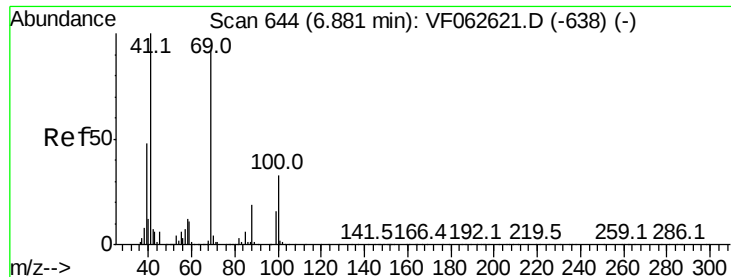


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

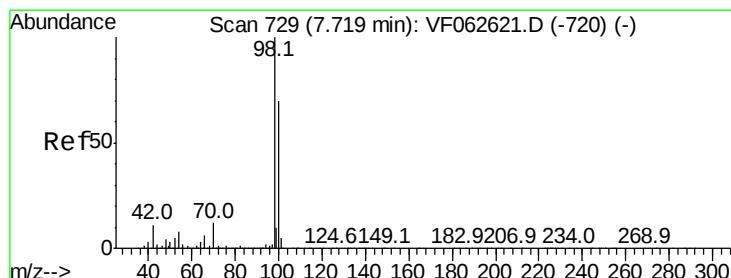
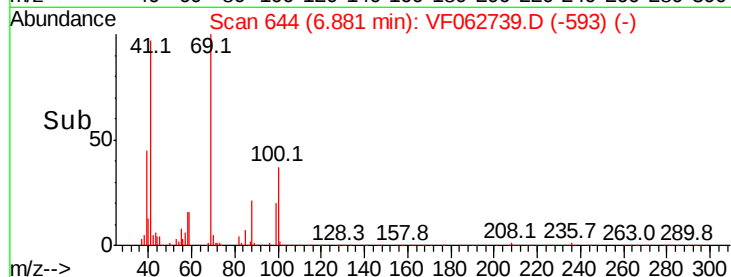
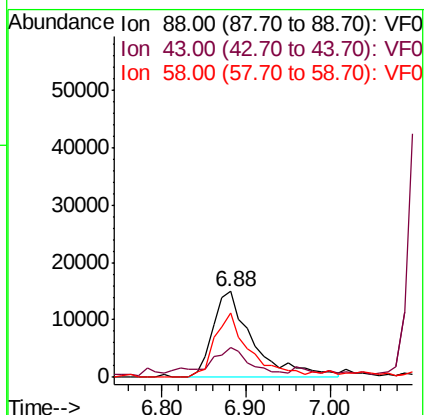
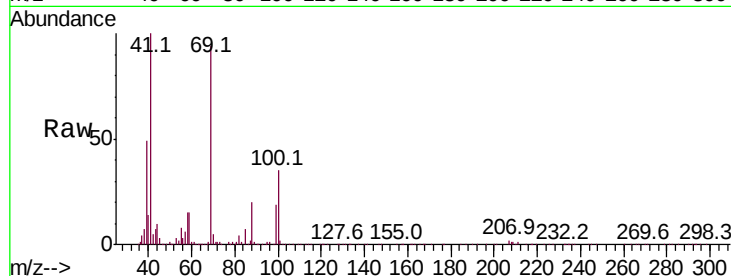
Tot Ion: 88 Resp: 48280

Ion Ratio Lower Upper

88 100

43 34.1 30.0 45.0

58 75.6 51.1 76.7



#50

Toluene-d8

Concen: 46.109 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062739.D

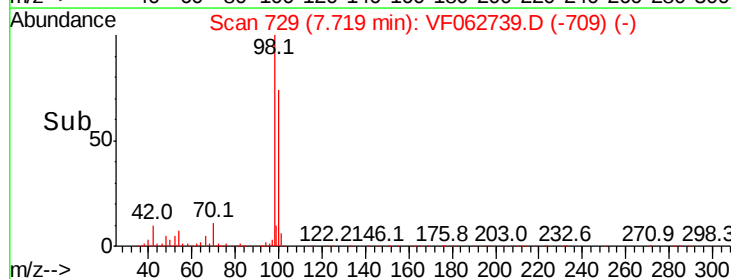
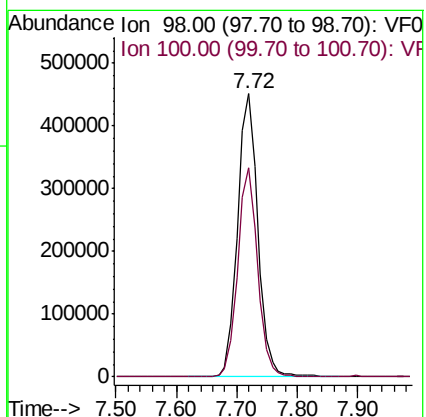
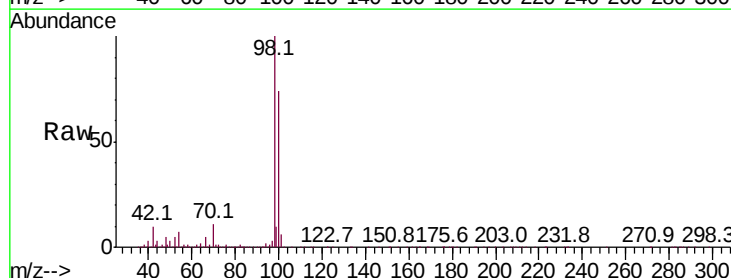
Acq: 24 May 2019 10:45

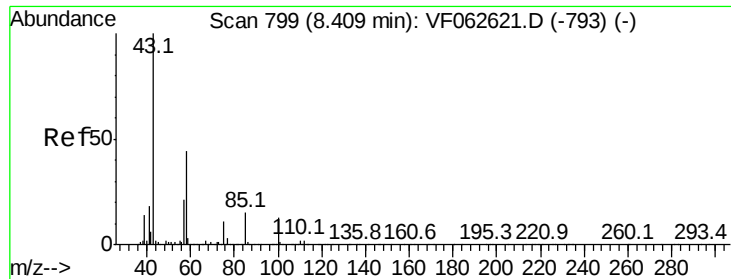
Tgt Ion: 98 Resp: 1054328

Ion Ratio Lower Upper

98 100

100 73.7 56.2 84.2





#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 :

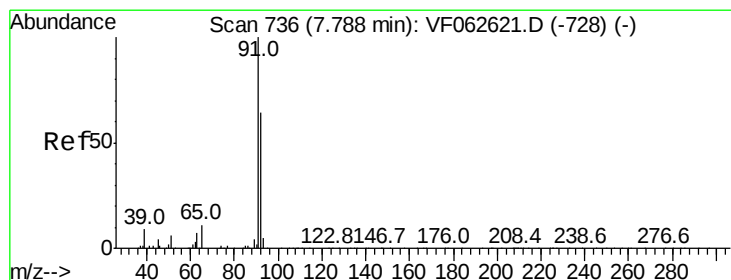
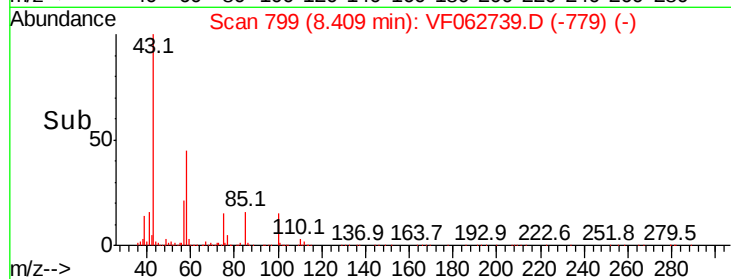
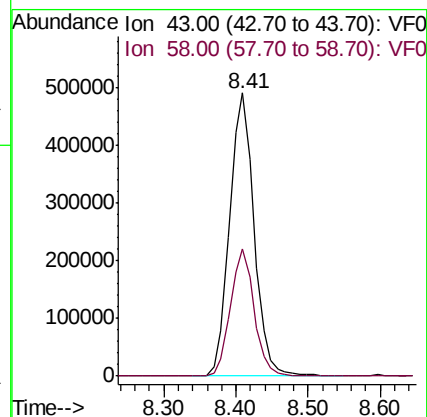
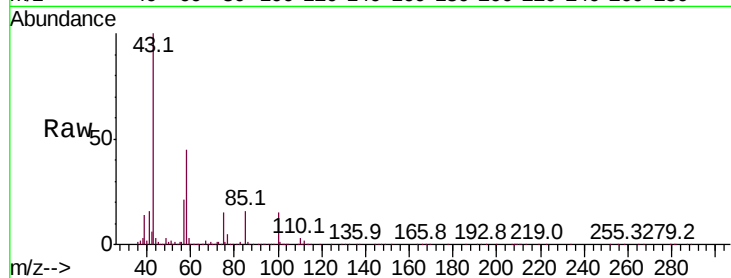
VSTDCCC050

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

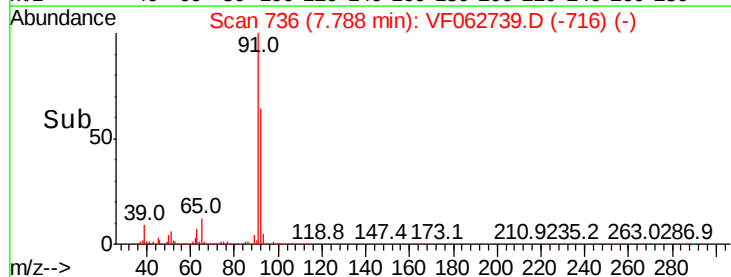
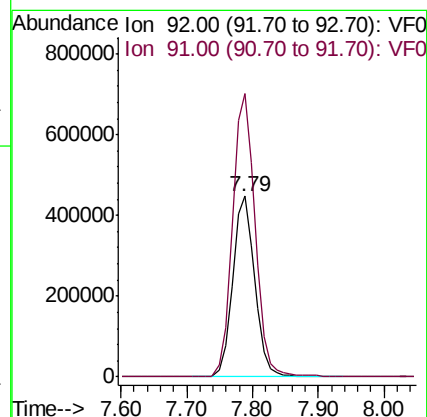
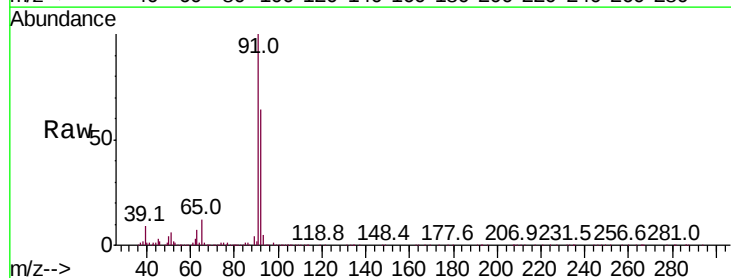
Acq: 24 May 2019 10:45

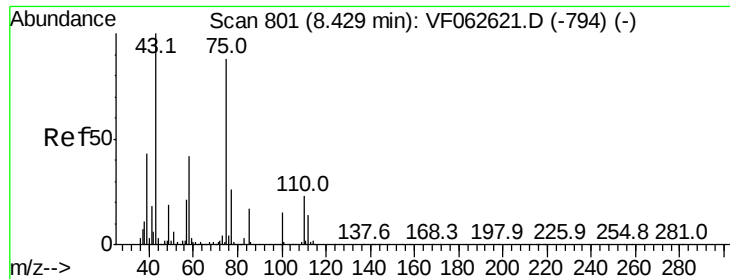
Tgt Ion: 92 Resp: 1053735

Ion Ratio Lower Upper

92 100

91 156.9 125.4 188.0

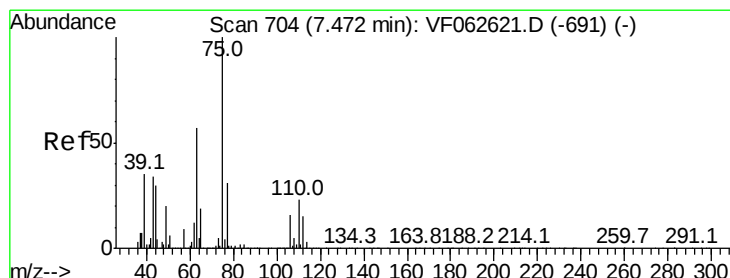
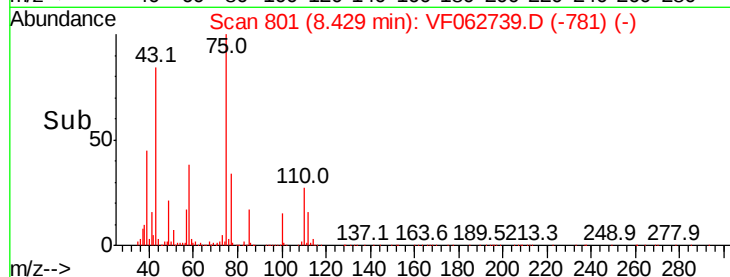
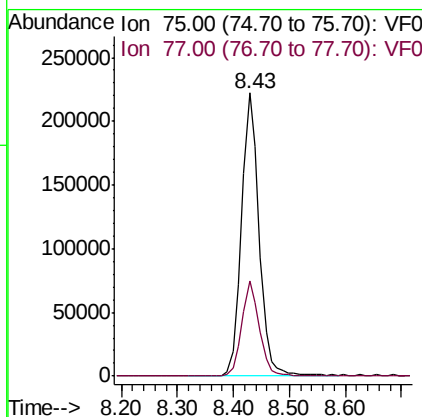
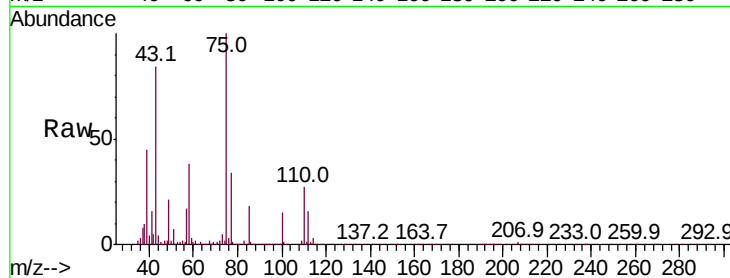




#53
 t-1,3-Dichloropropene
 Concen: 55.890 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

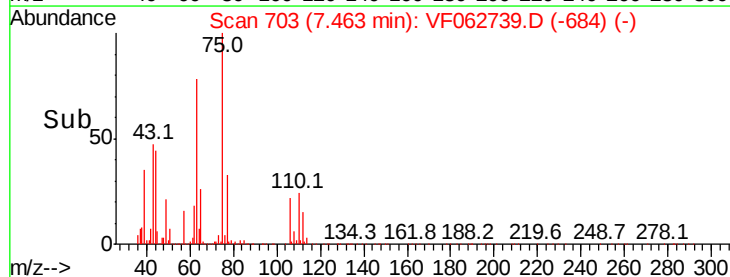
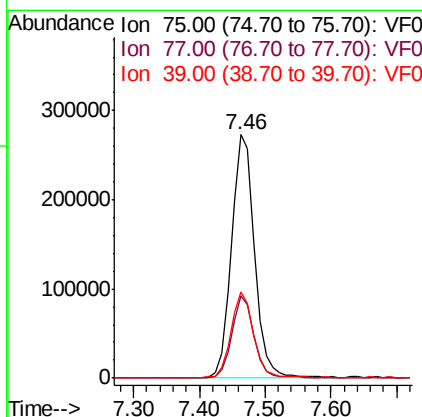
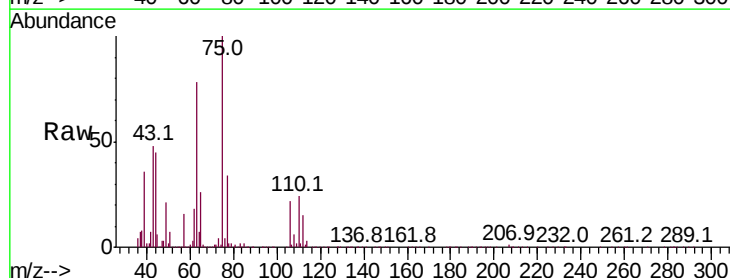
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

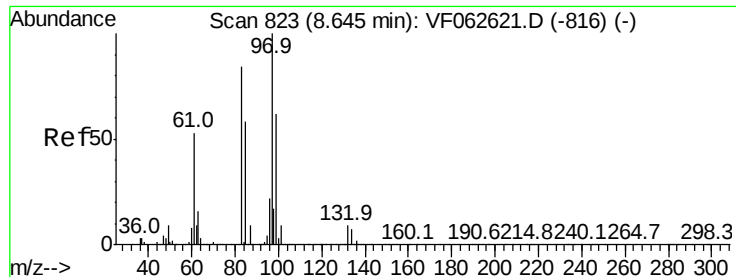
Tot Ion: 75 Resp: 483833
 Ion Ratio Lower Upper
 75 100
 77 33.8 24.2 36.4



#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

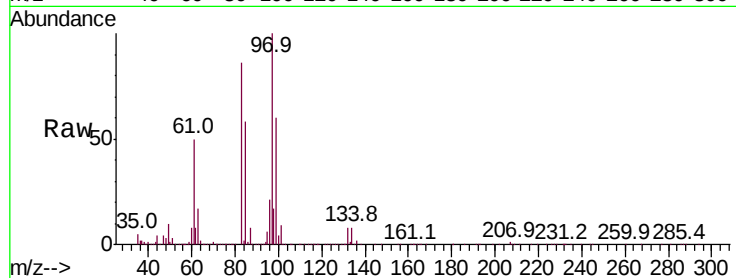
Ion Ratio Lower Upper

97 100

83 86.3 67.3 100.9

85 57.6 46.6 69.8

99 60.3 49.7 74.5

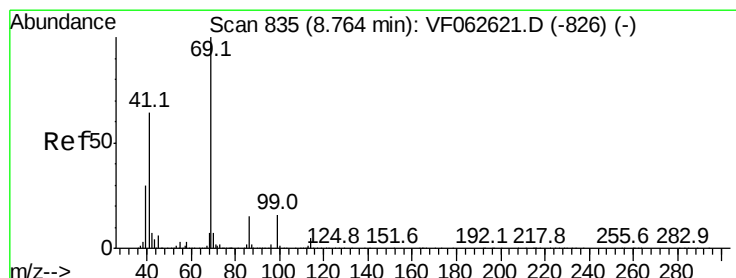
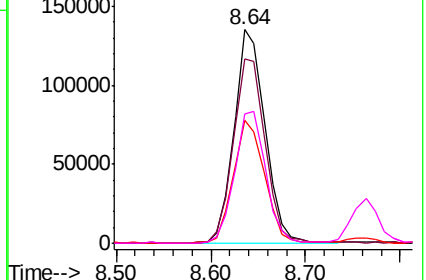
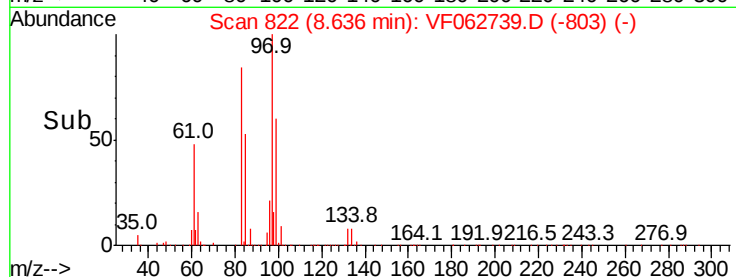


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

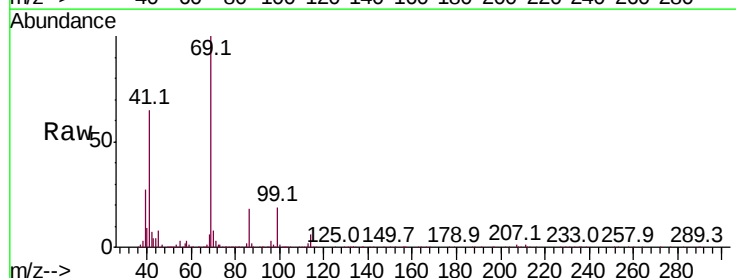
Tgt Ion: 69 Resp: 330970

Ion Ratio Lower Upper

69 100

41 64.9 51.4 77.2

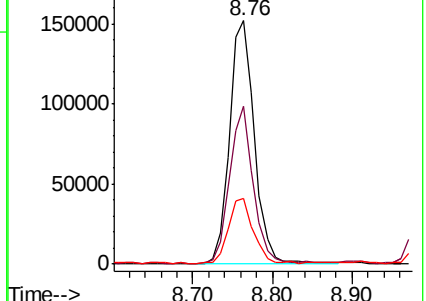
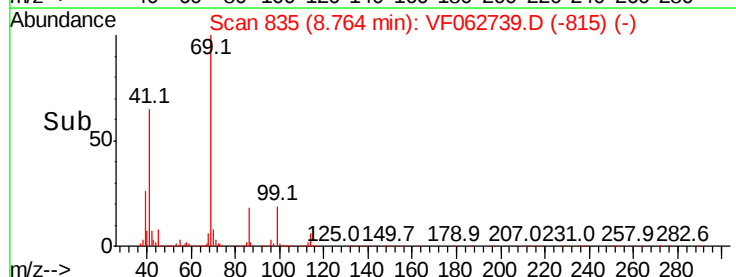
39 26.7 23.6 35.4

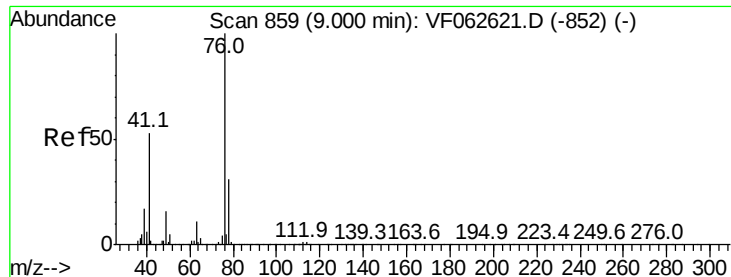


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

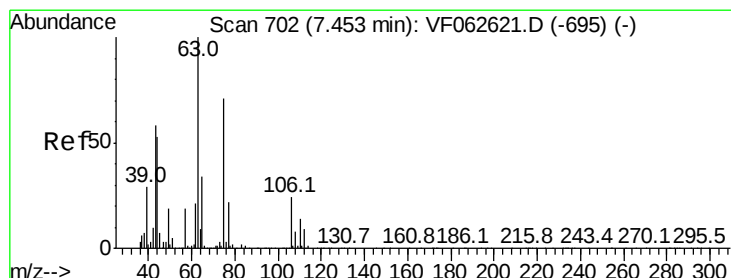
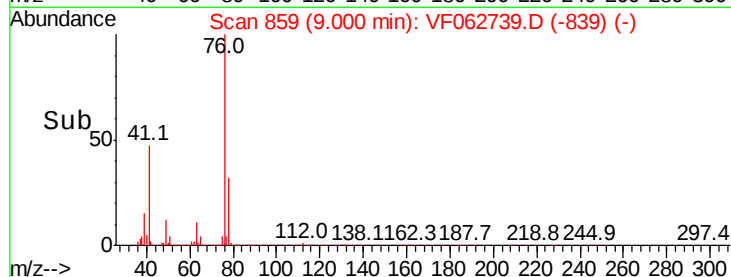
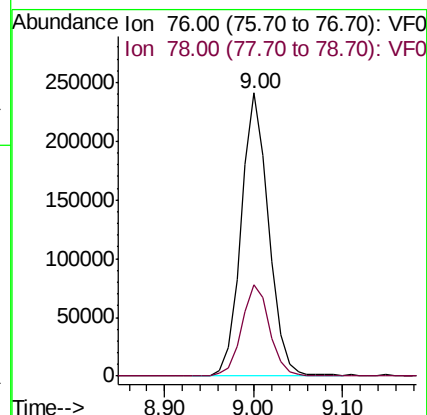
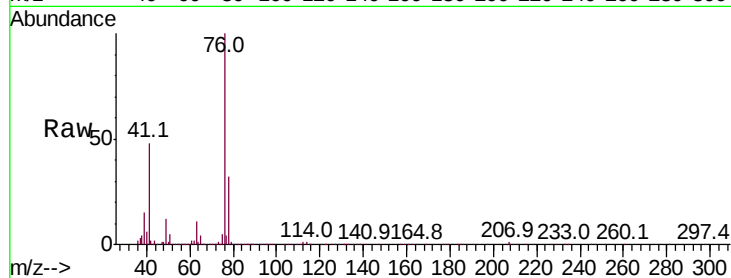
VSTDCCC050

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

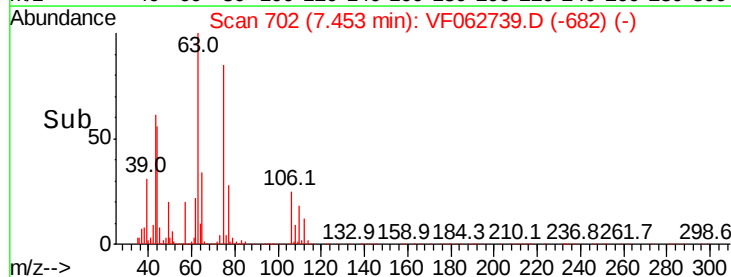
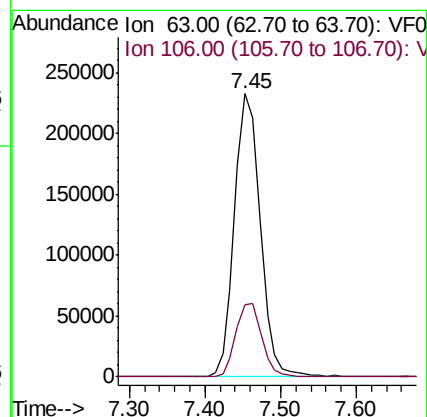
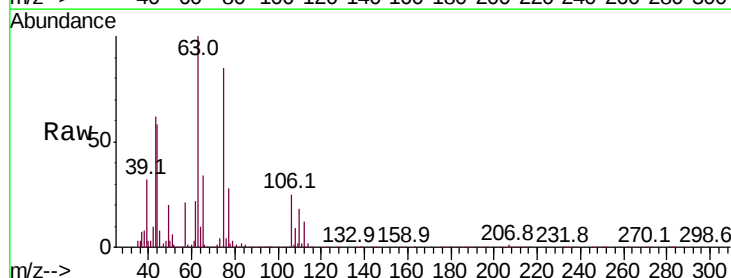
Acq: 24 May 2019 10:45

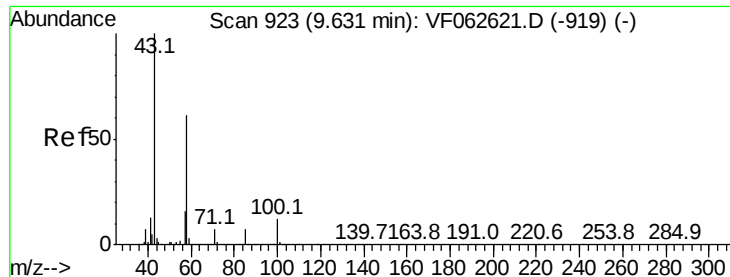
Tgt Ion: 63 Resp: 546371

Ion Ratio Lower Upper

63 100

106 25.5 19.1 28.7

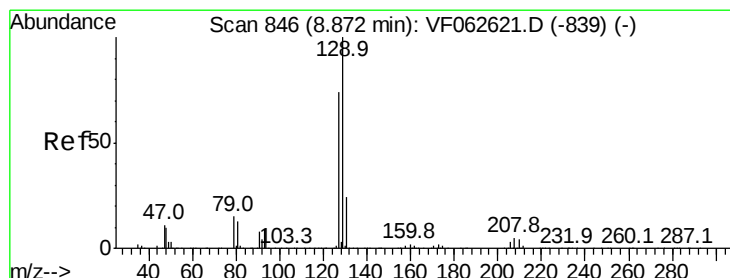
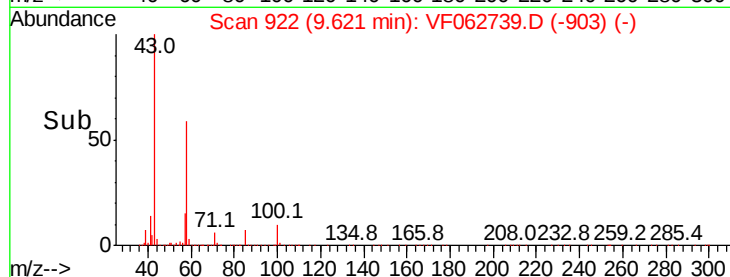
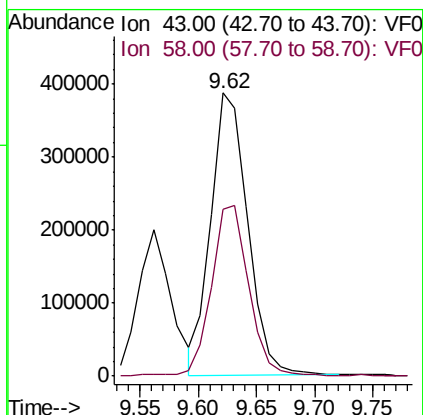
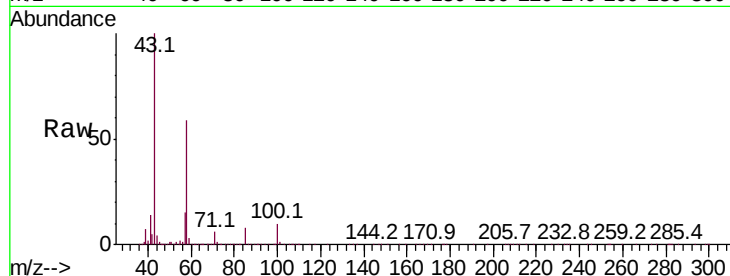




#59
2-Hexanone
Concen: 284.064 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

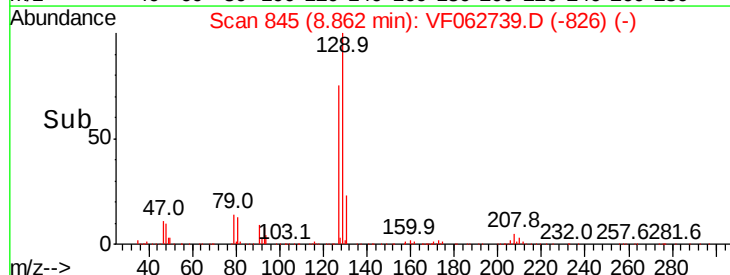
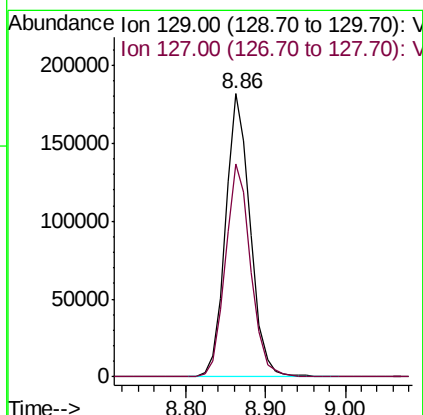
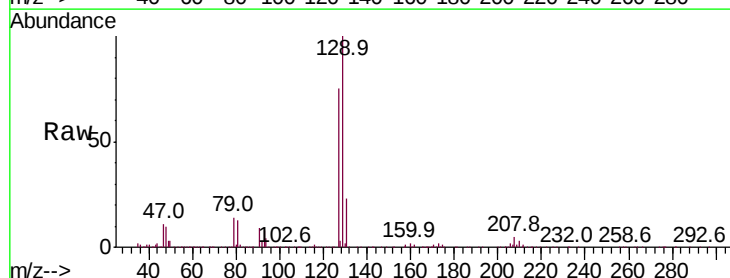
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

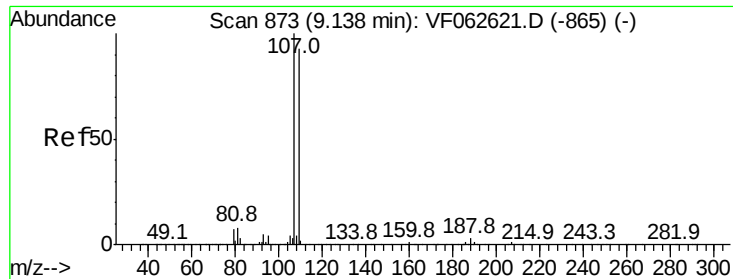
Tot Ion: 43 Resp: 849651
Ion Ratio Lower Upper
43 100
58 58.8 28.1 84.4



#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 :

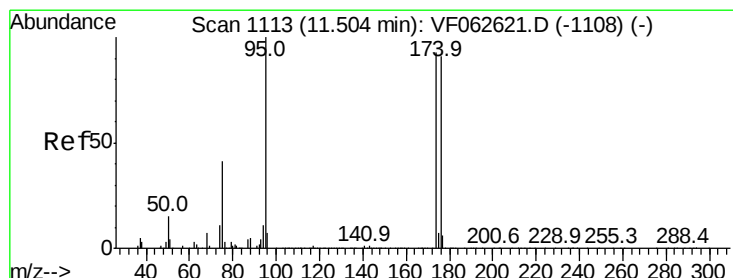
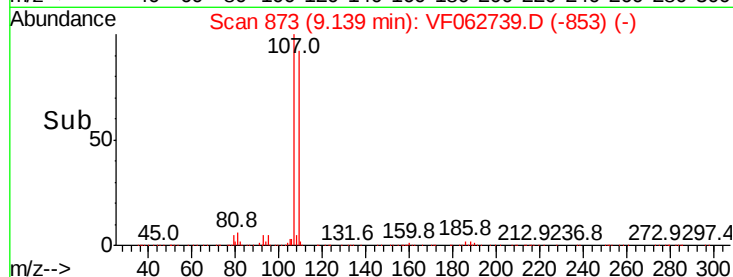
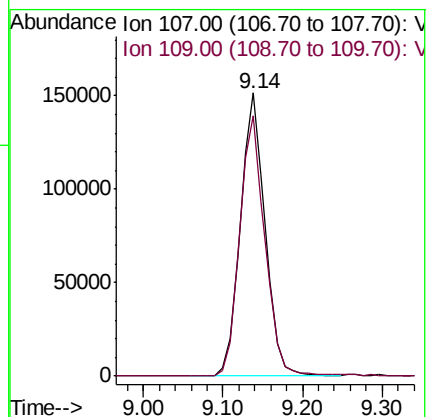
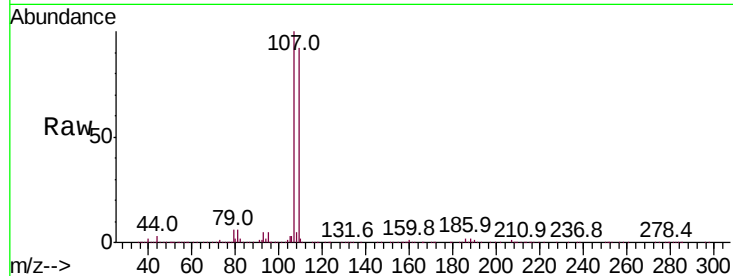
VSTDCCC050

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

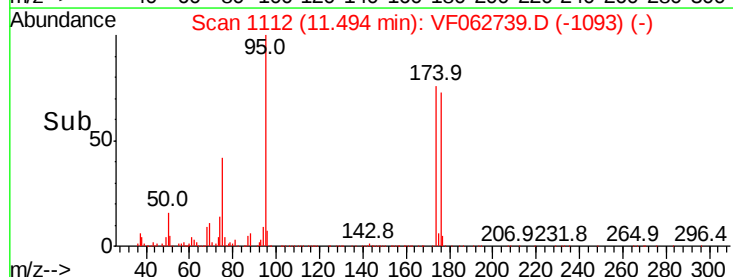
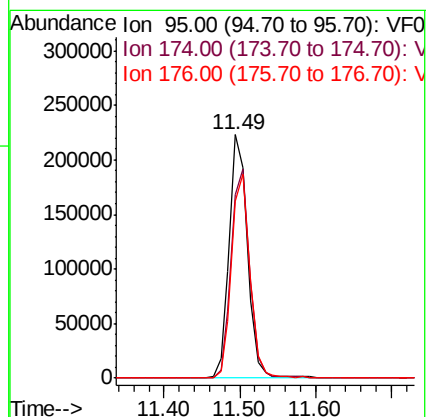
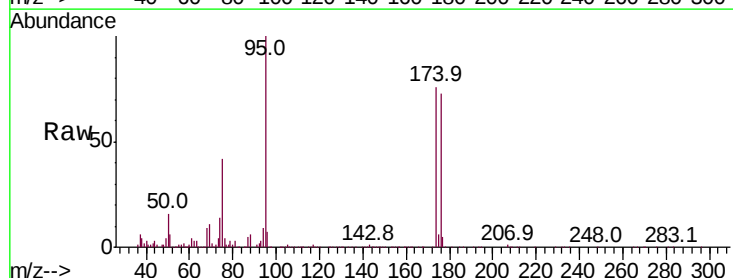
Tgt Ion: 95 Resp: 376403

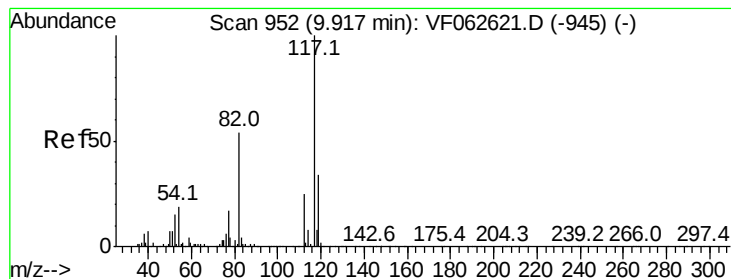
Ion Ratio Lower Upper

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

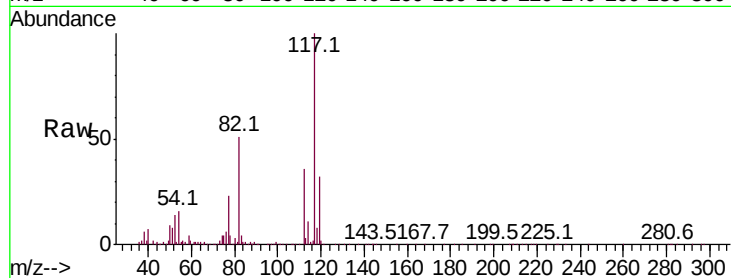
Tot Ion:117 Resp: 950653

Ion Ratio Lower Upper

117 100

82 50.6 43.3 64.9

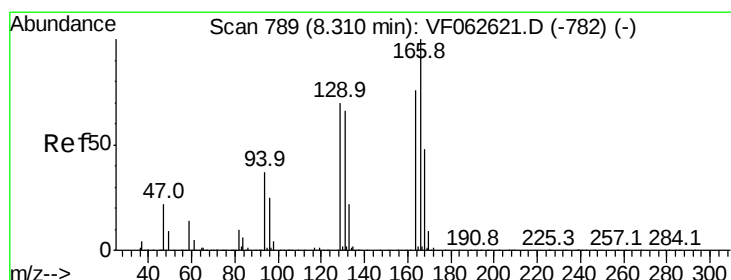
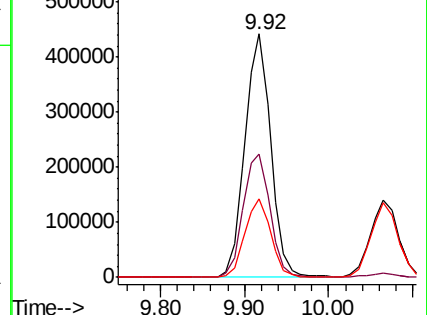
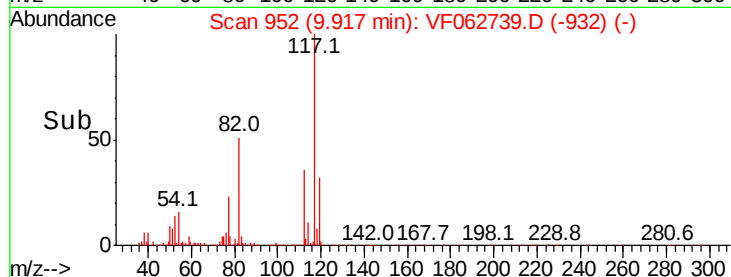
119 32.2 27.4 41.0



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:164 Resp: 410265

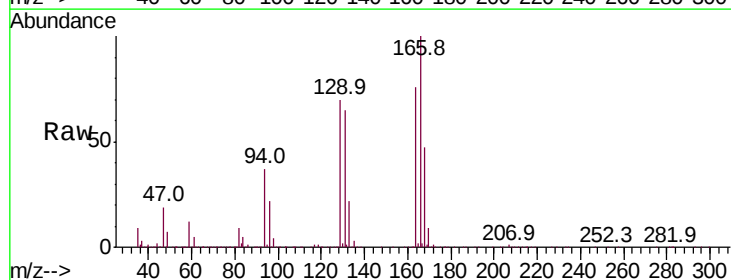
Ion Ratio Lower Upper

164 100

166 132.1 105.5 158.3

129 92.2 73.8 110.6

131 86.5 69.5 104.3

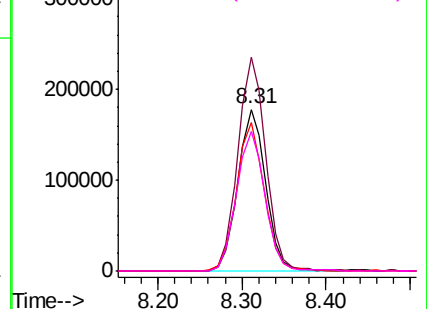
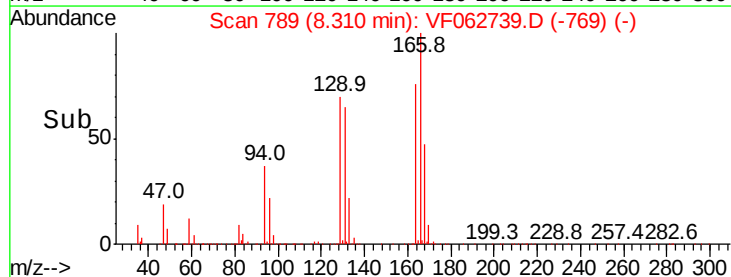


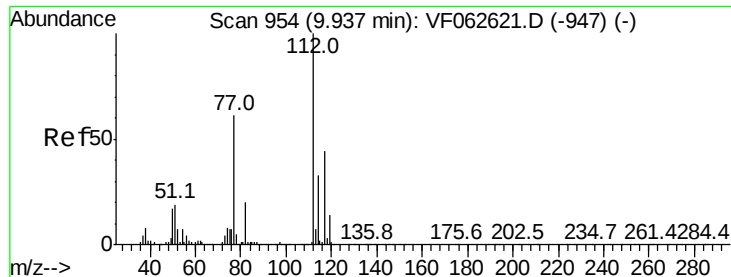
Abundance Ion 163.85 (163.55 to 164.55): V

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

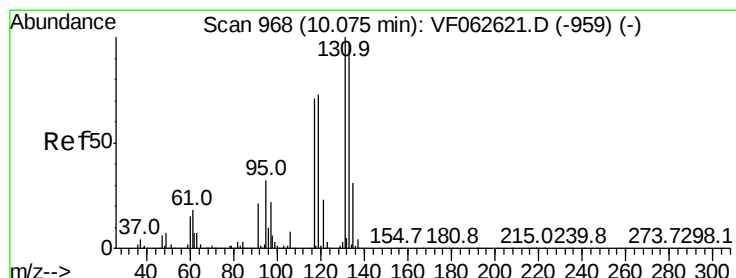
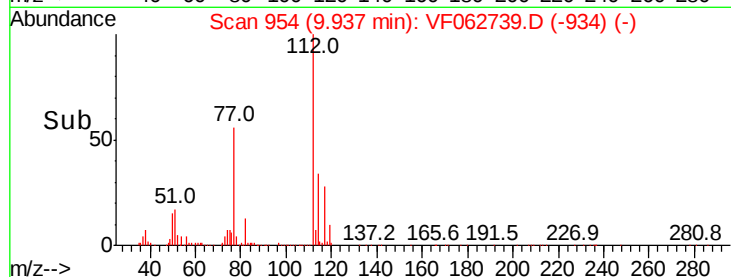
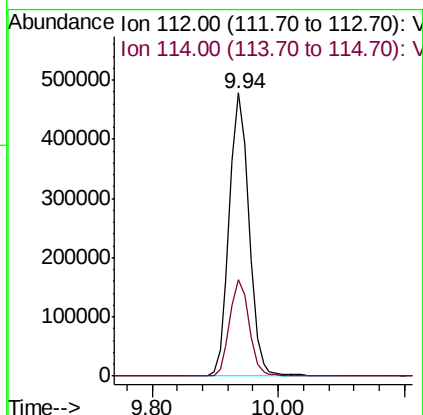
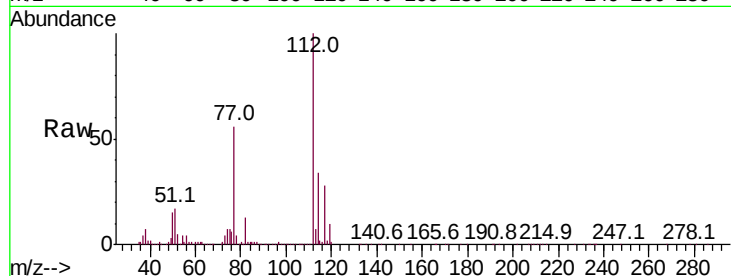




#65
Chlorobenzene
Concen: 55.548 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

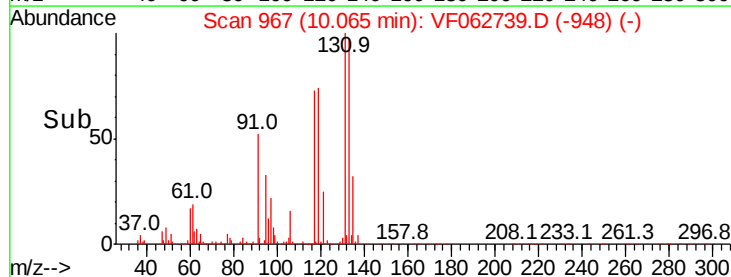
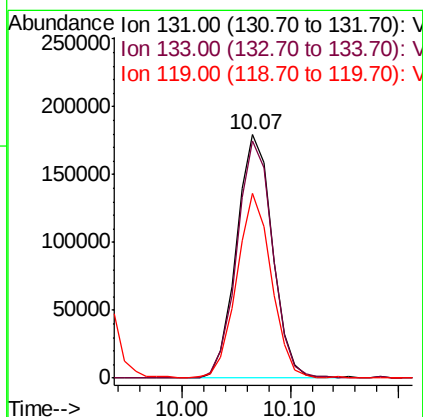
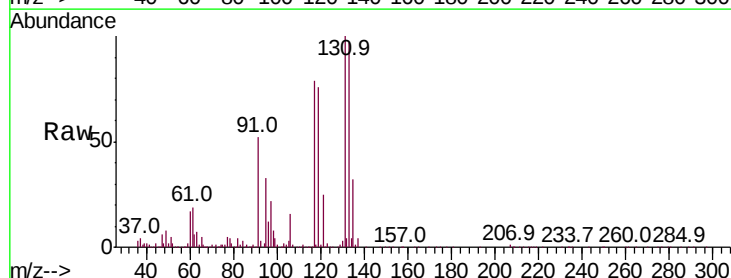
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

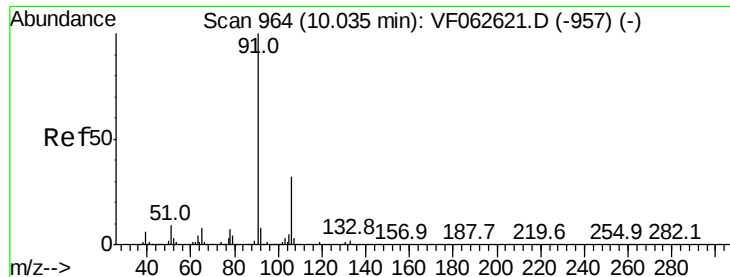
Tot Ion:112 Resp: 1037181
Ion Ratio Lower Upper
112 100
114 33.9 26.8 40.2



#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 :

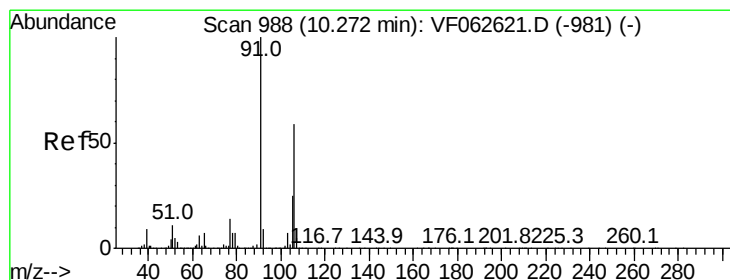
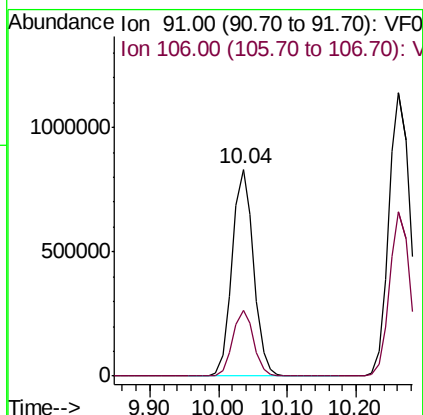
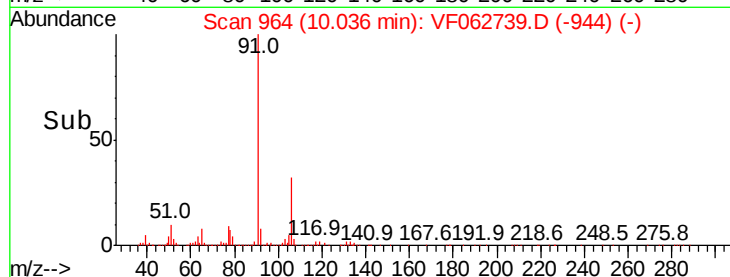
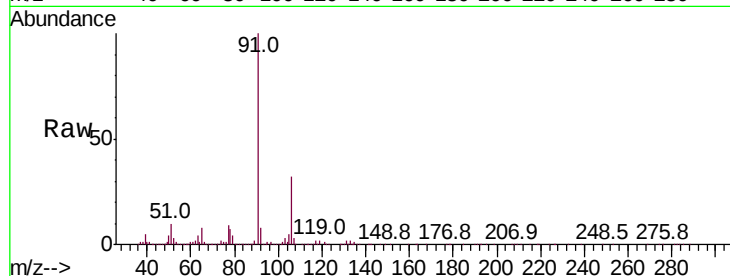
VSTDCCC050

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

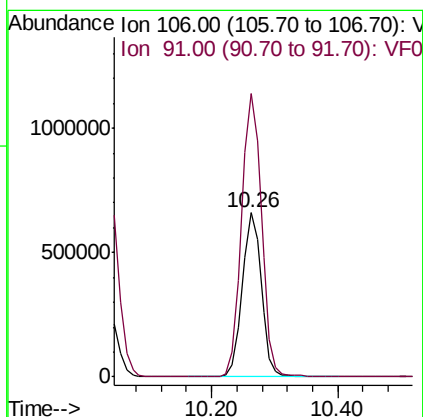
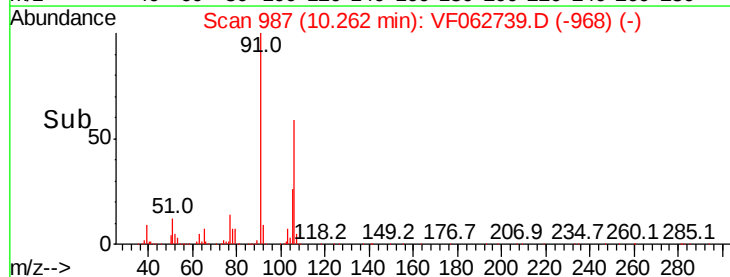
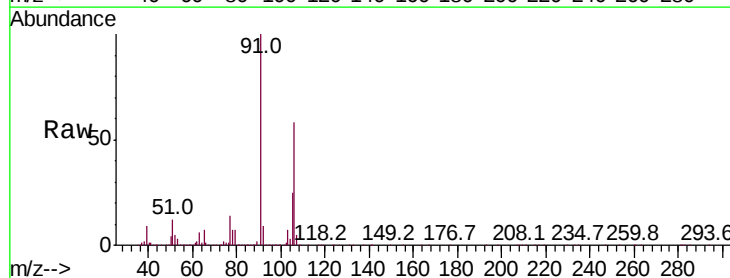
Acq: 24 May 2019 10:45

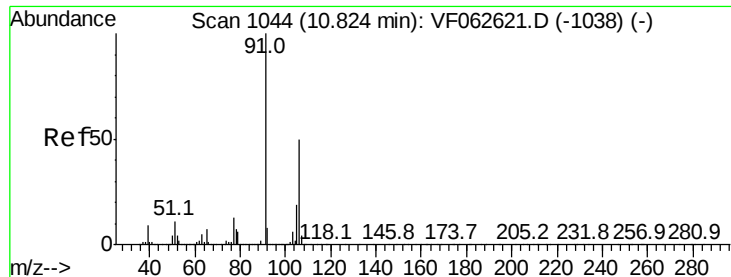
Tgt Ion: 106 Resp: 1376076

Ion Ratio Lower Upper

106 100

91 172.3 136.9 205.3

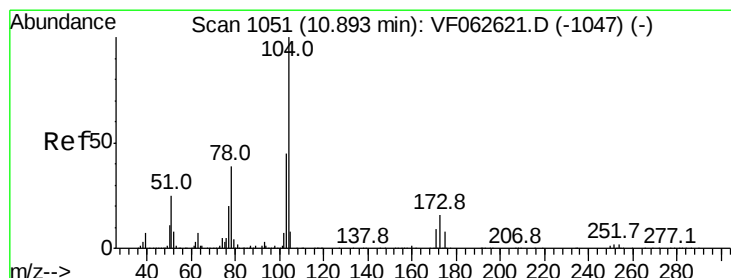
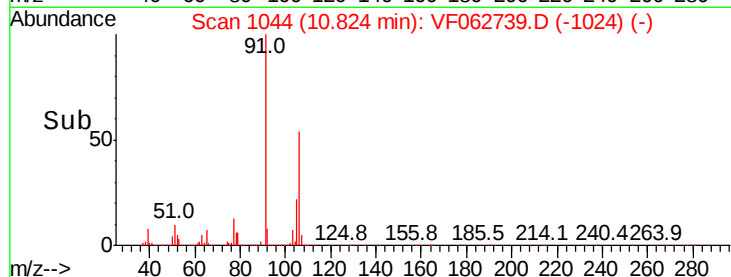
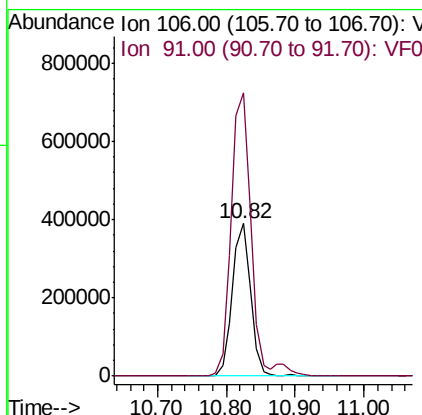
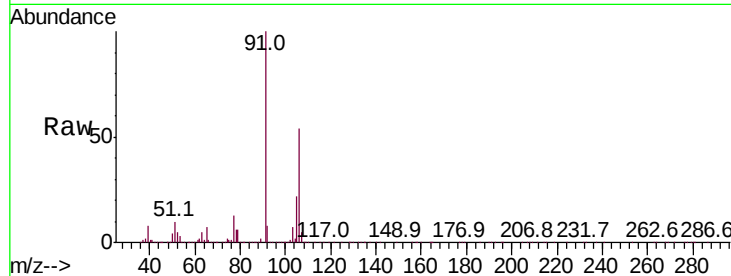




#69
o-Xylene
Concen: 57.239 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

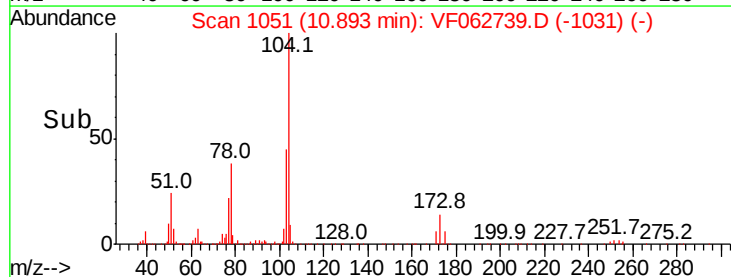
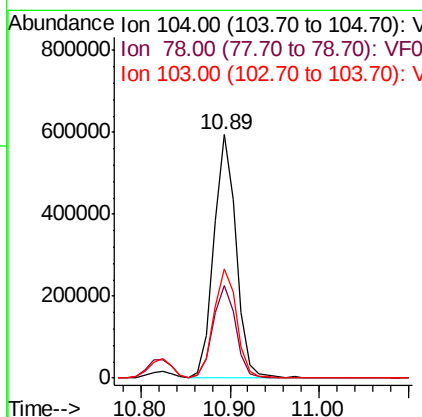
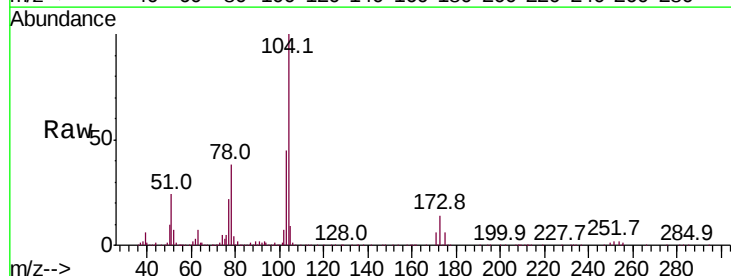
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

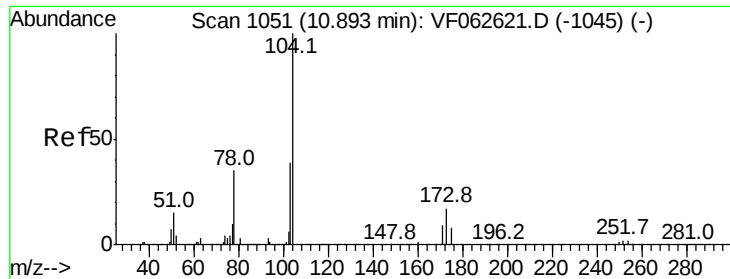
Tot Ion:106 Resp: 718752
Ion Ratio Lower Upper
106 100
91 186.0 100.2 300.5



#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

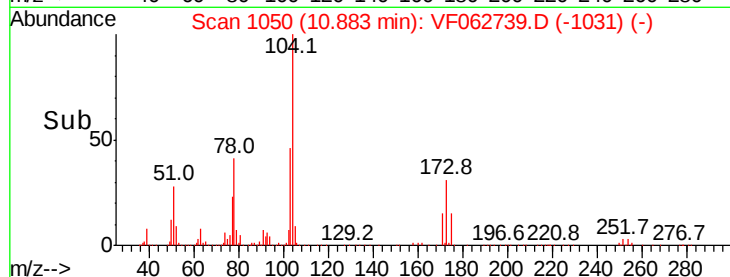
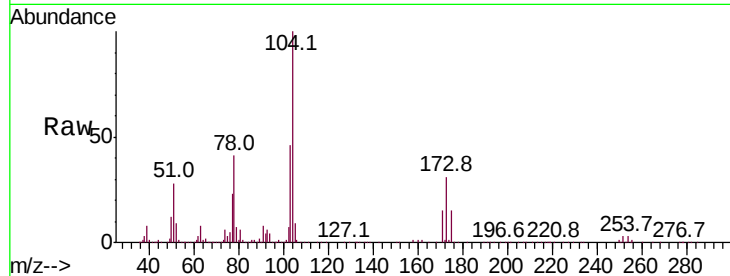
Tot Ion:173 Resp: 216721

Ion Ratio Lower Upper

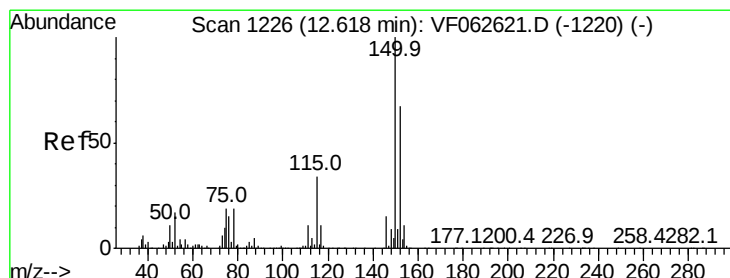
173 100

175 47.9 25.3 75.9

254 0.0 0.2 0.2#



Time-->



#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

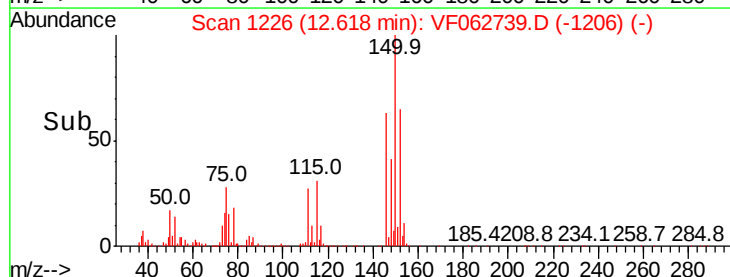
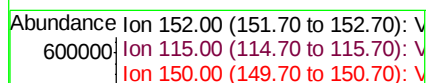
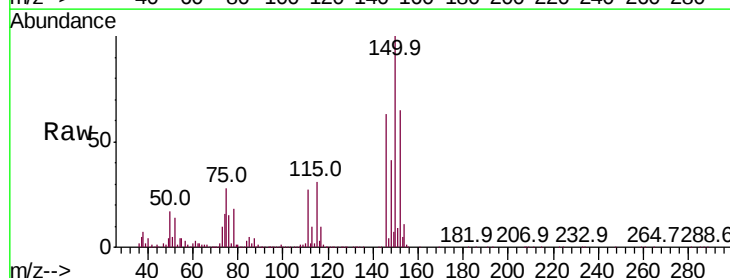
Tgt Ion:152 Resp: 449319

Ion Ratio Lower Upper

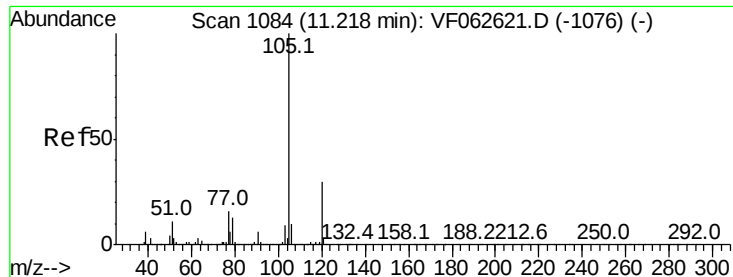
152 100

115 48.3 25.2 75.6

150 153.5 0.0 306.2



Time-->



#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 :

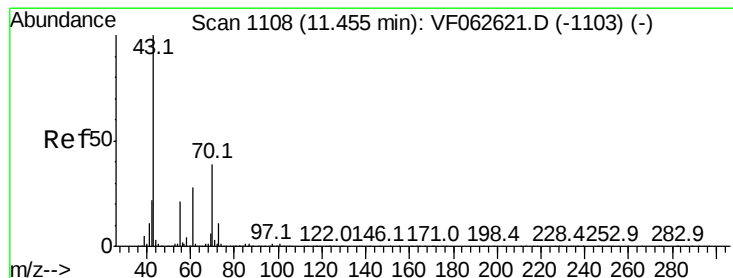
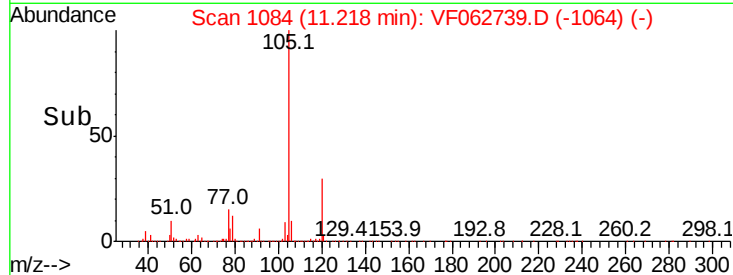
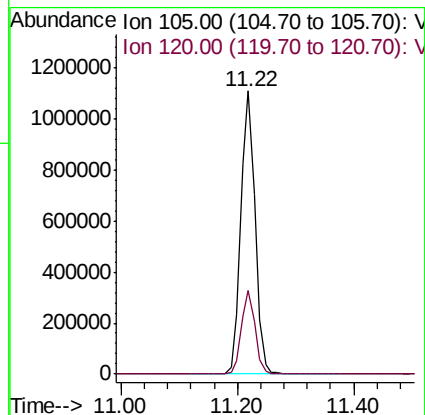
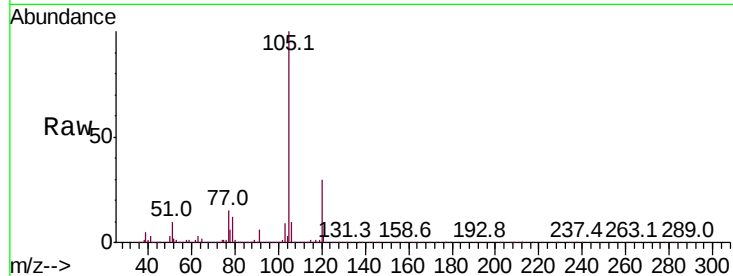
VSTDCCC050

Tot Ion:105 Resp: 1879767

Ion Ratio Lower Upper

105 100

120 29.7 14.8 44.4



#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

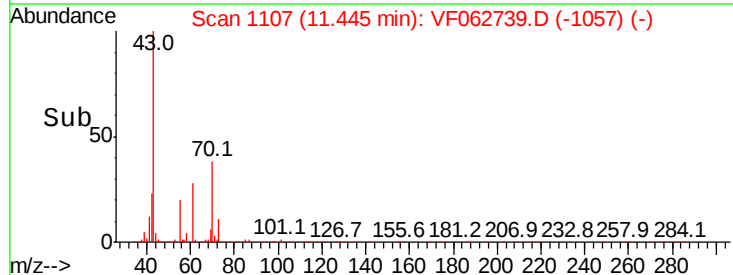
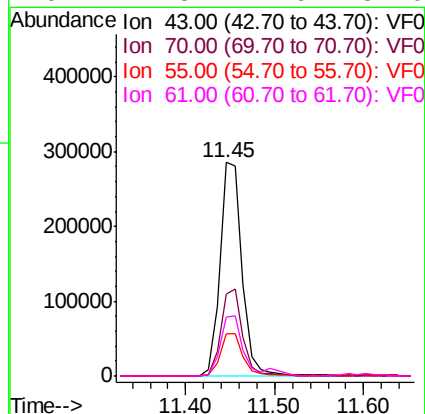
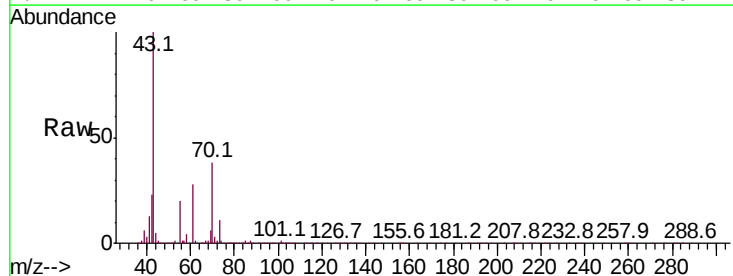
Ion Ratio Lower Upper

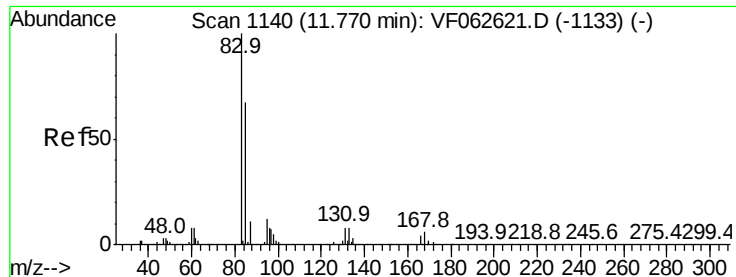
43 100

70 38.2 30.9 46.3

55 20.0 17.0 25.4

61 27.8 22.6 34.0





#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

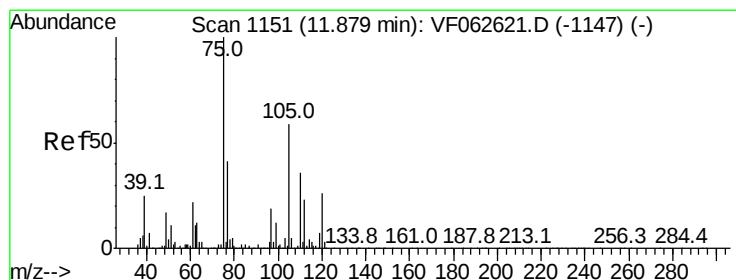
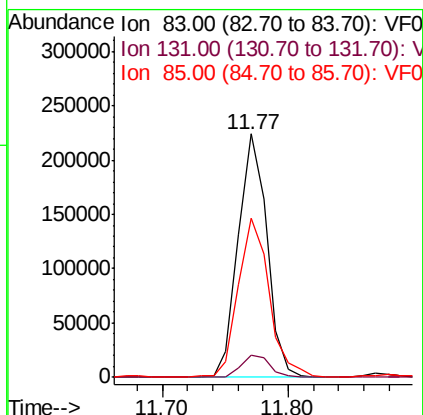
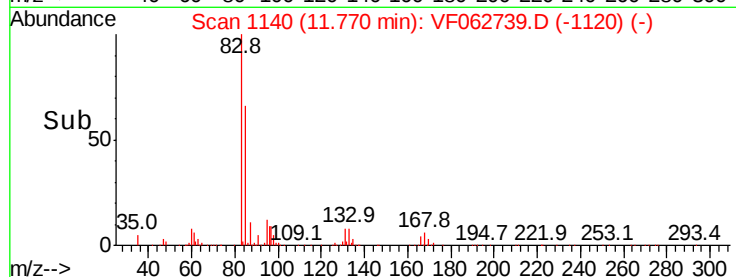
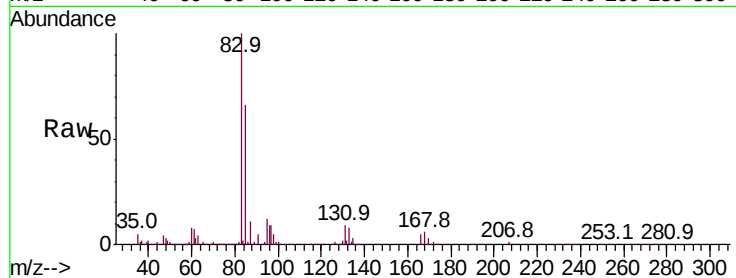
Tot Ion: 83 Resp: 352405

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

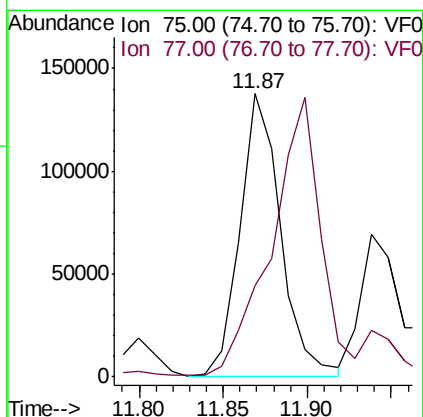
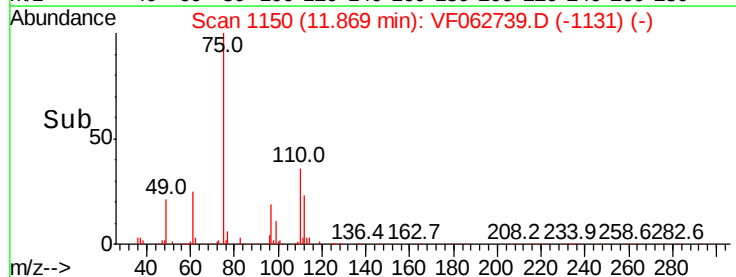
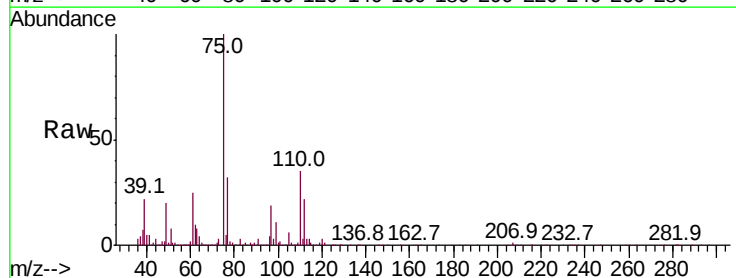
Acq: 24 May 2019 10:45

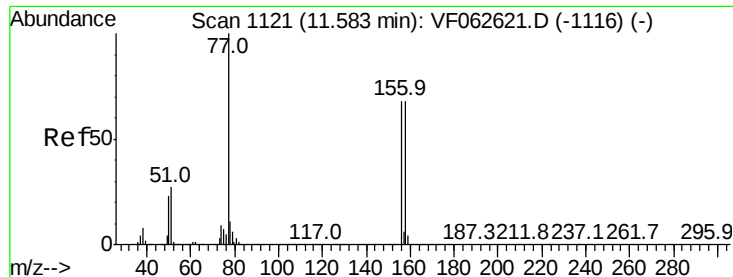
Tgt Ion: 75 Resp: 228888

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

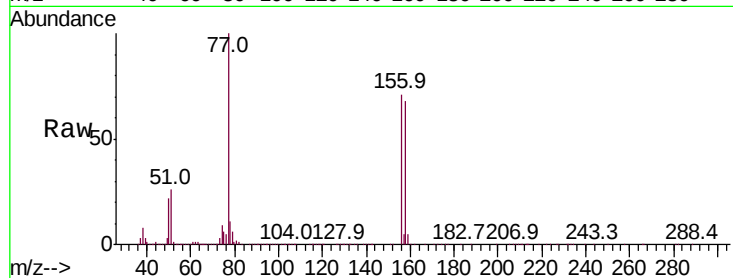
Tot Ion:156 Resp: 446862

Ion Ratio Lower Upper

156 100

77 141.1 73.6 220.8

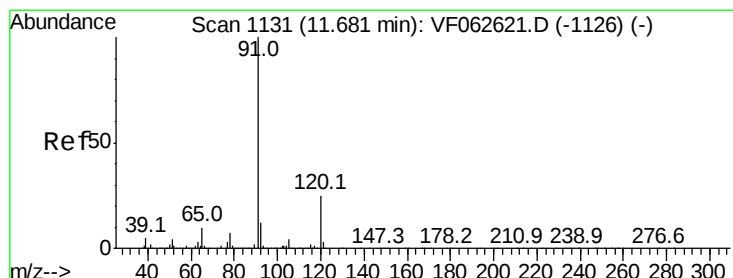
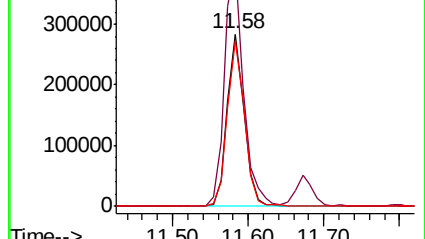
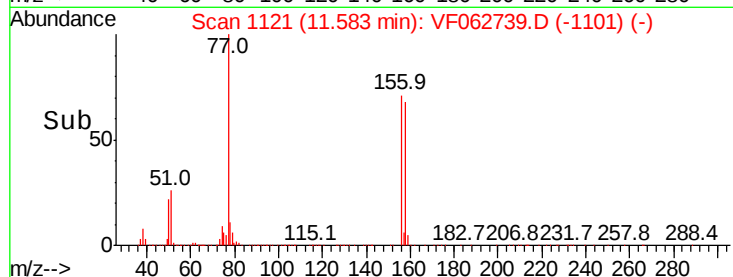
158 96.3 49.6 148.8



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

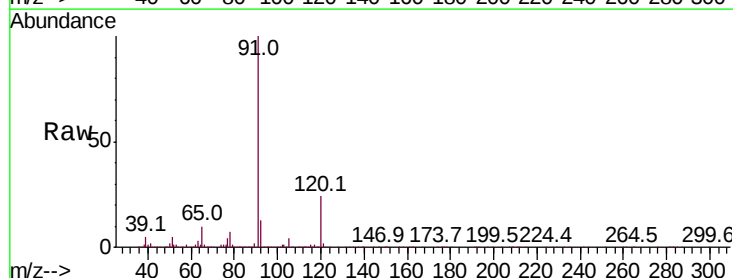
Acq: 24 May 2019 10:45

Tgt Ion: 91 Resp: 2127401

Ion Ratio Lower Upper

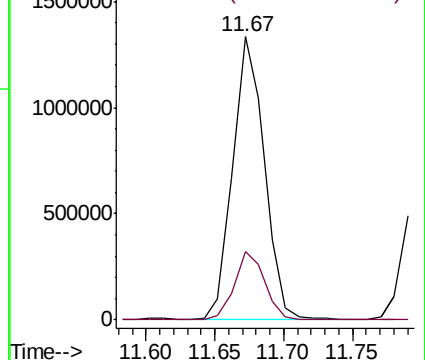
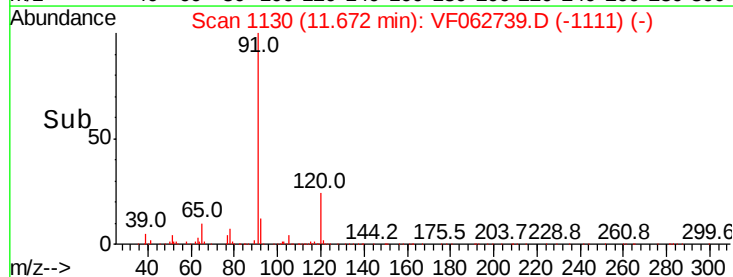
91 100

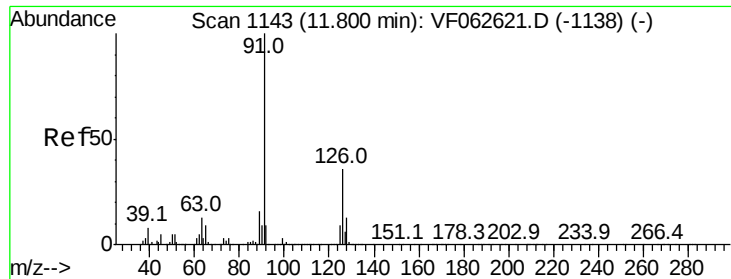
120 24.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

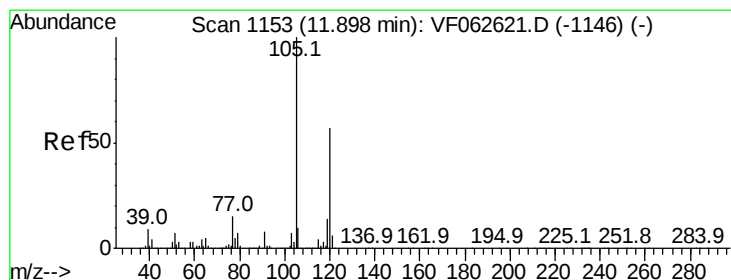
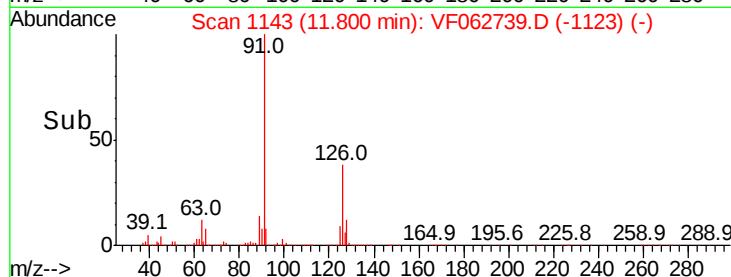
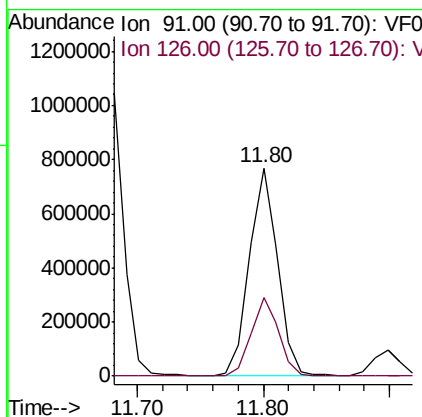
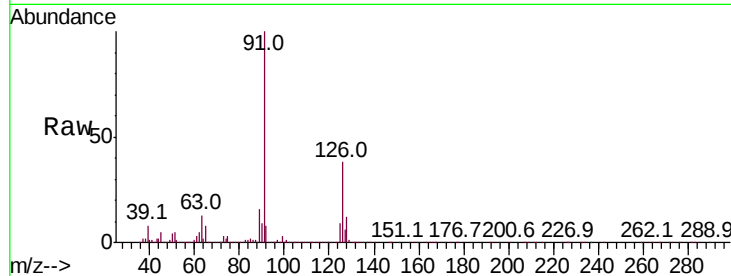




#79
 2-Chlorotoluene
 Concen: 55.115 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

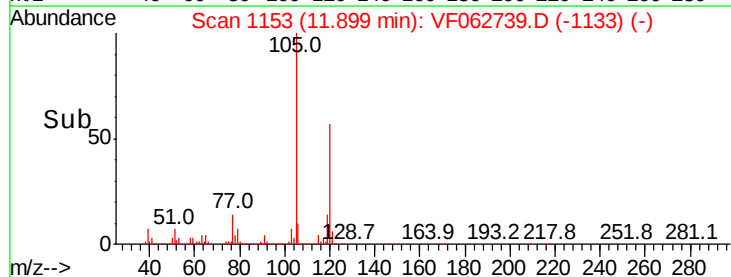
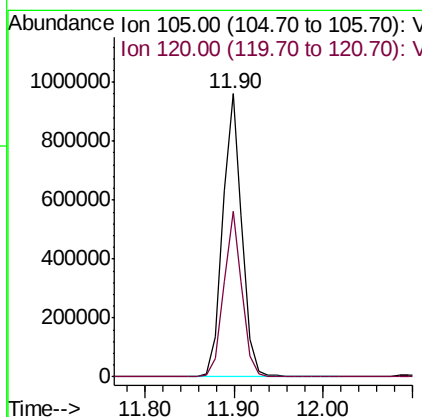
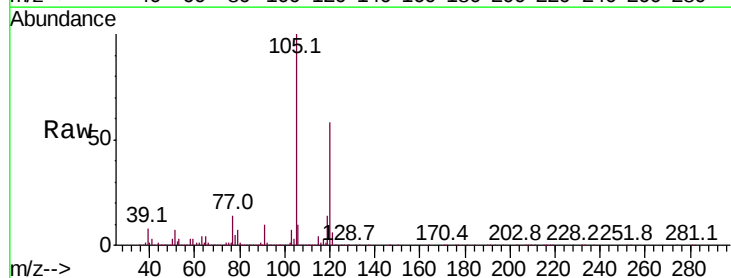
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

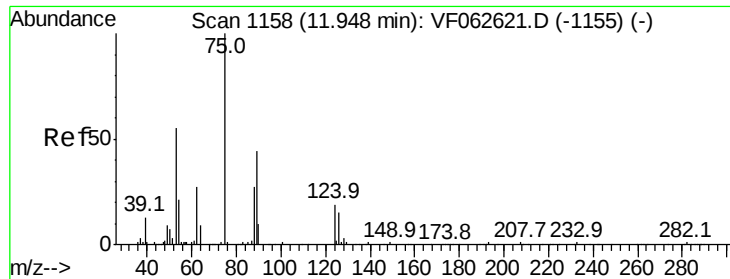
Tot Ion: 91 Resp: 1183774
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.1 54.4



#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: 53.883 ug/l m

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

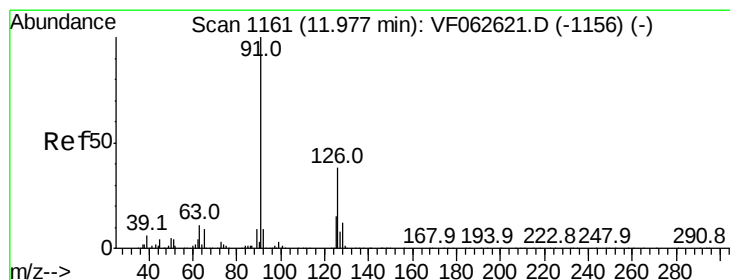
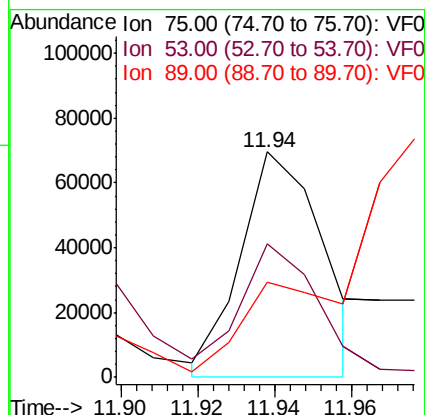
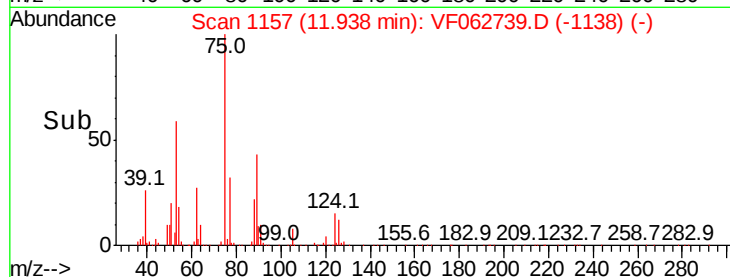
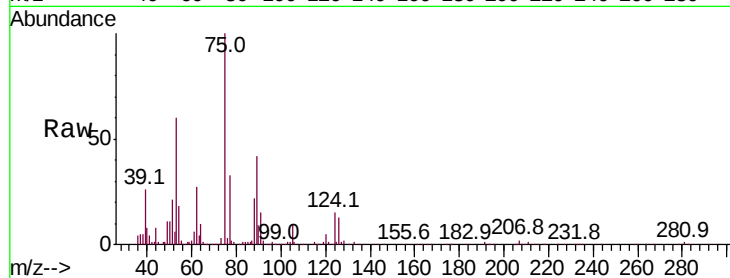
Tot Ion: 75 Resp: 103573

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

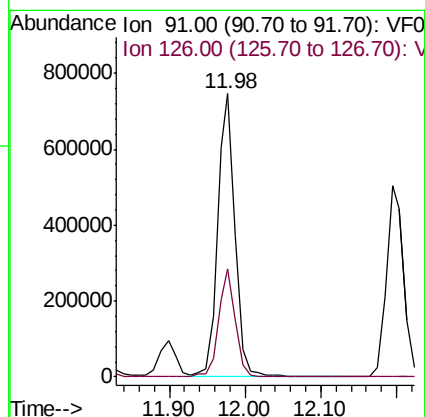
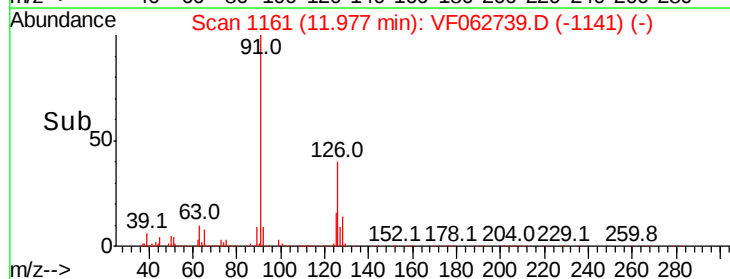
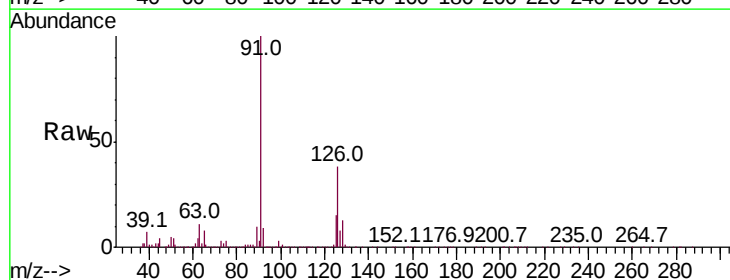
Acq: 24 May 2019 10:45

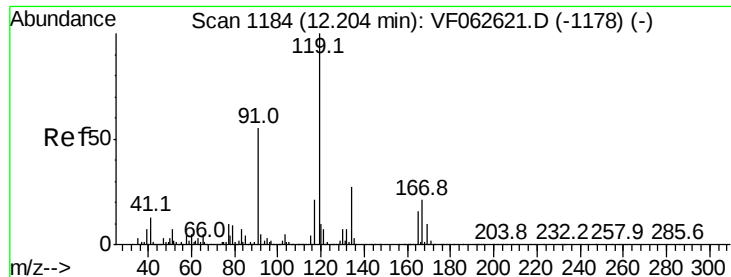
Tgt Ion: 91 Resp: 1191989

Ion Ratio Lower Upper

91 100

126 38.0 19.1 57.1

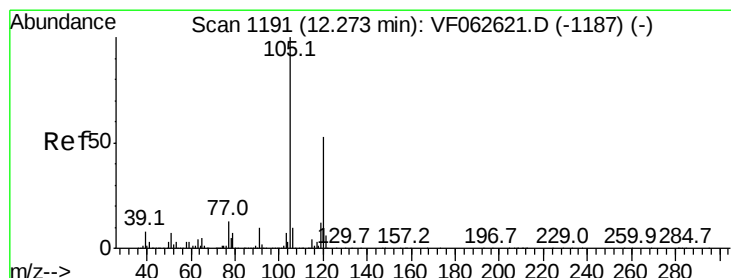
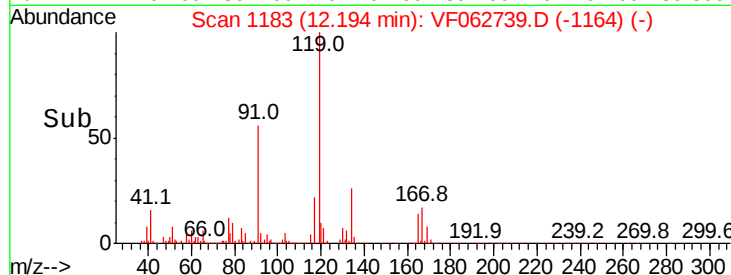
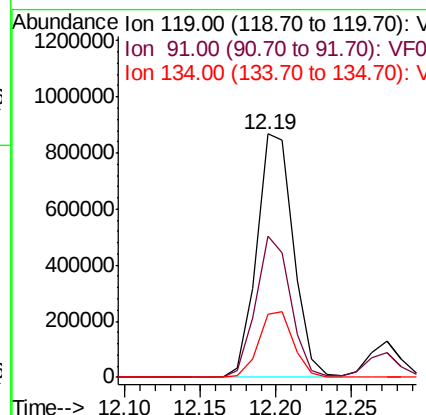
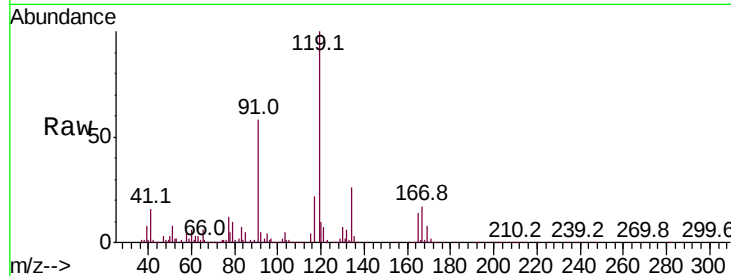




#83
 tert-Butylbenzene
 Concen: 56.181 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

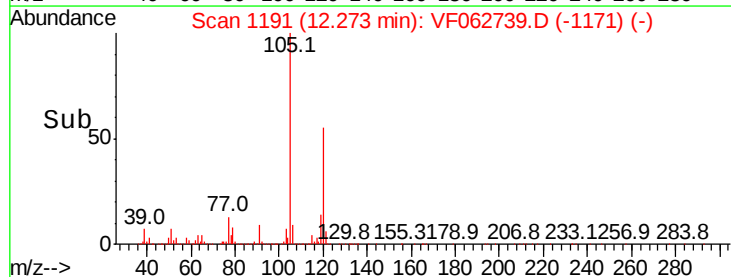
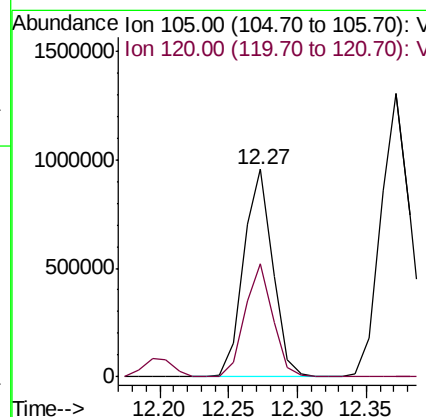
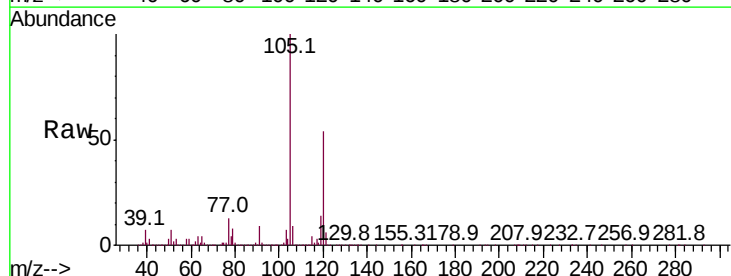
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

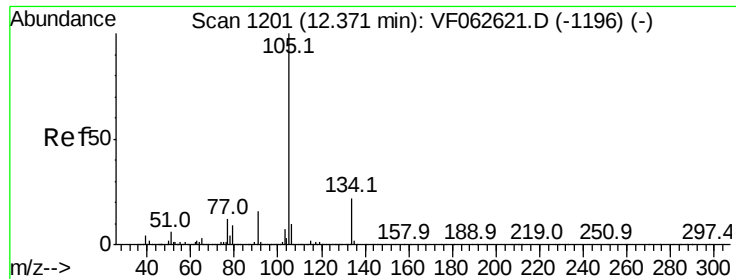
Tot Ion:119 Resp: 1471812
 Ion Ratio Lower Upper
 119 100
 91 58.1 27.3 81.9
 134 26.0 13.6 40.7



#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 :

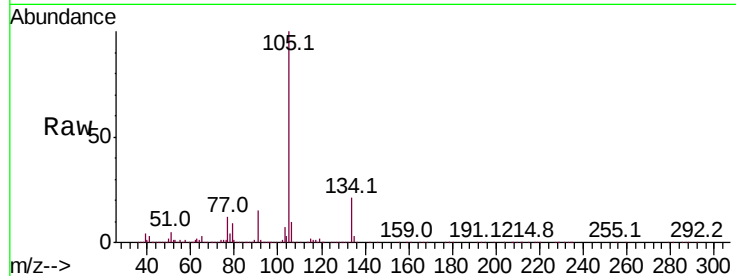
VSTDCCC050

Tot Ion:105 Resp: 1944607

Ion Ratio Lower Upper

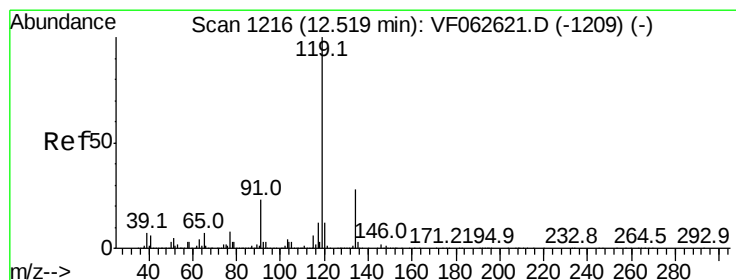
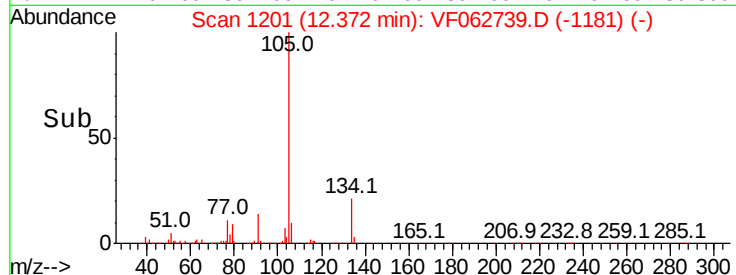
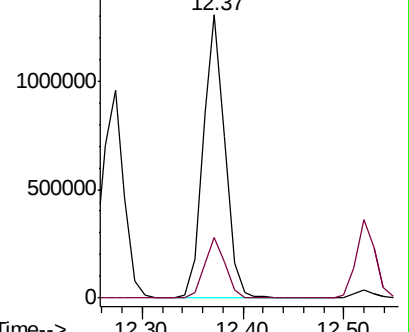
105 100

134 21.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

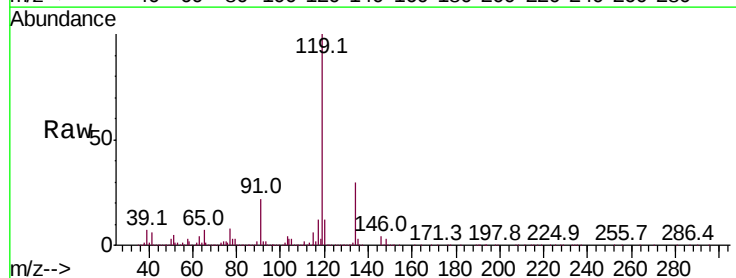
Tgt Ion:119 Resp: 1644551

Ion Ratio Lower Upper

119 100

134 30.4 14.1 42.3

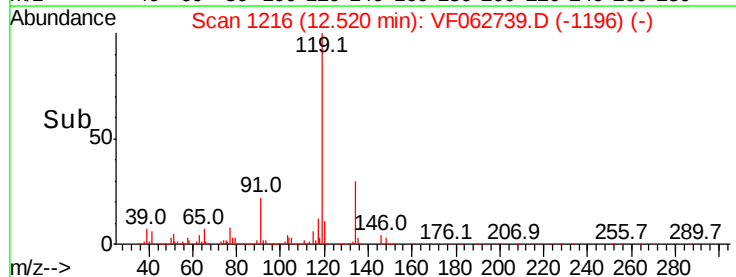
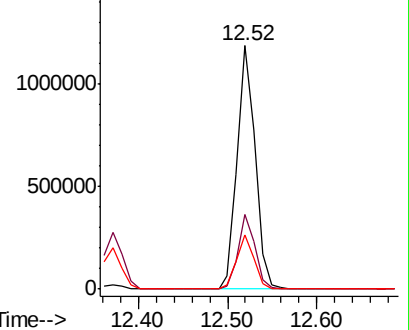
91 22.1 11.4 34.2

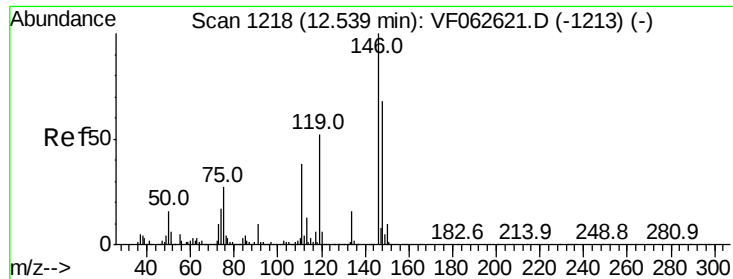


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.807 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

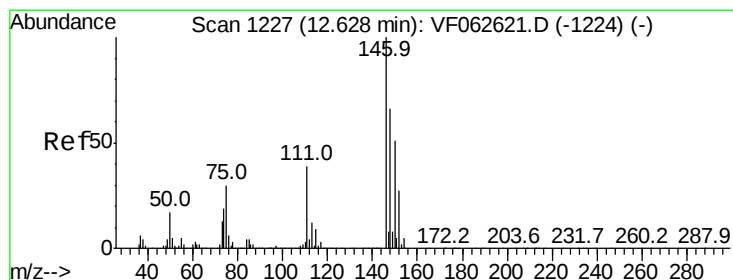
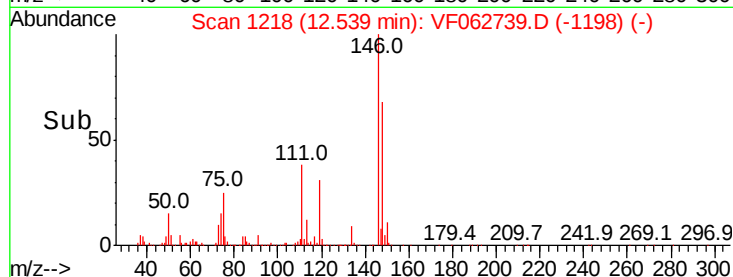
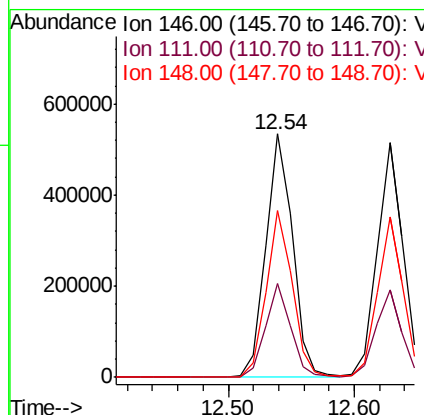
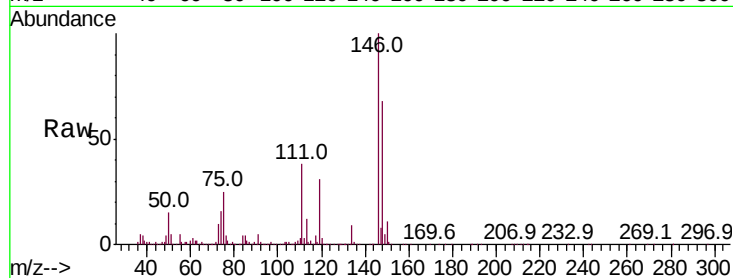
Lab File: VF062739.D

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

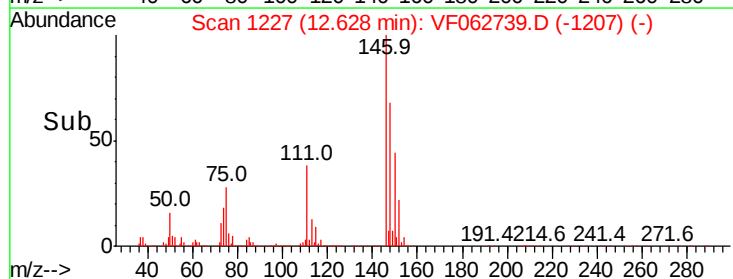
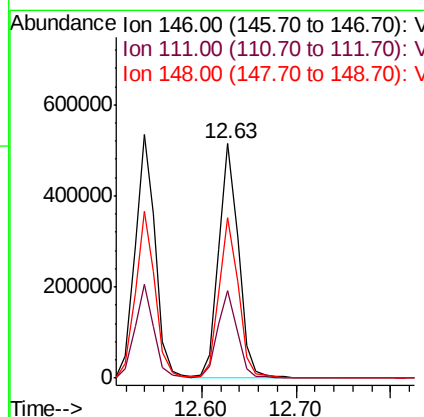
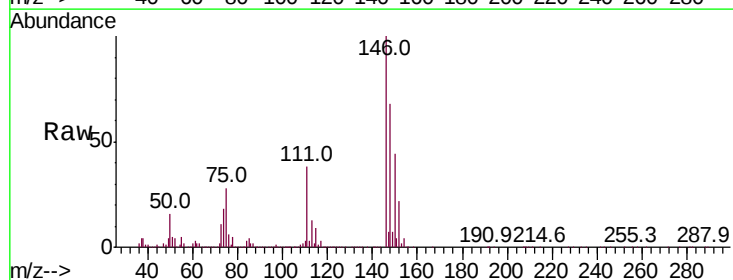
Delta R.T. 0.00 min

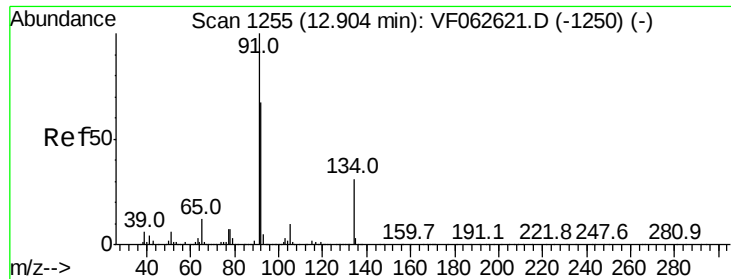
Lab File: VF062739.D

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

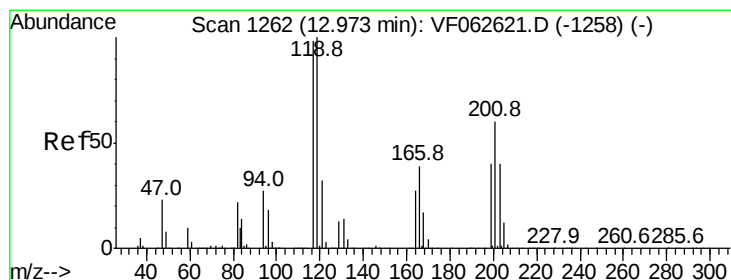
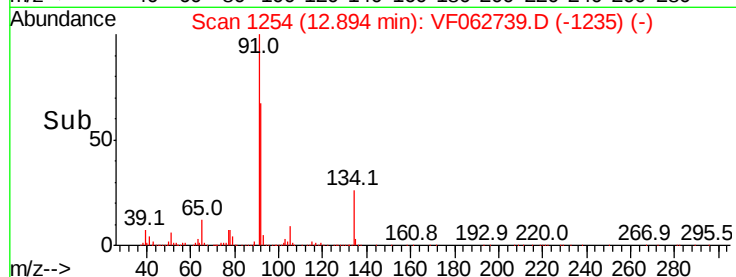
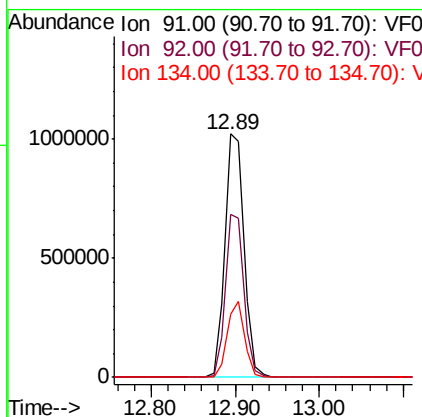
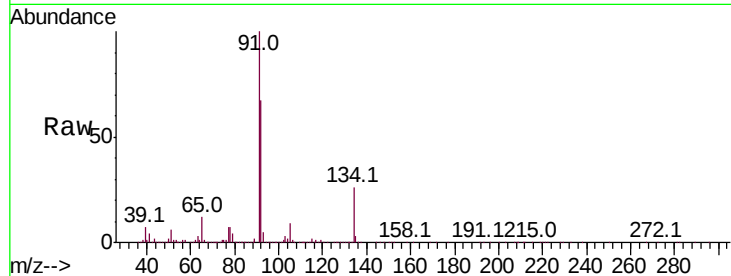




#89
n-Butylbenzene
Concen: 55.123 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062739.D
Acq: 24 May 2019 10:45

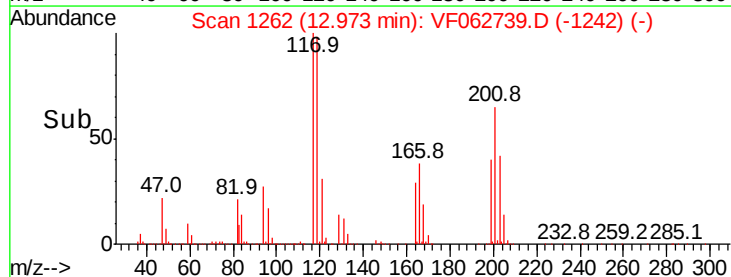
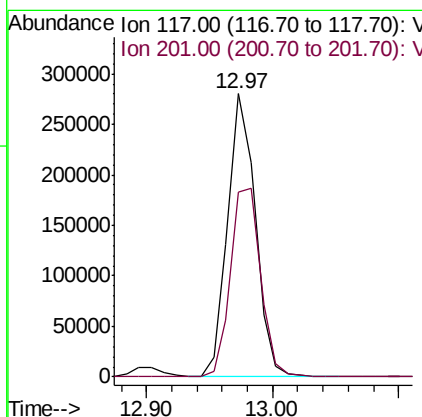
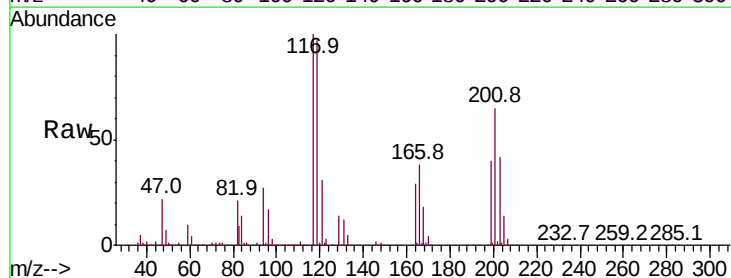
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

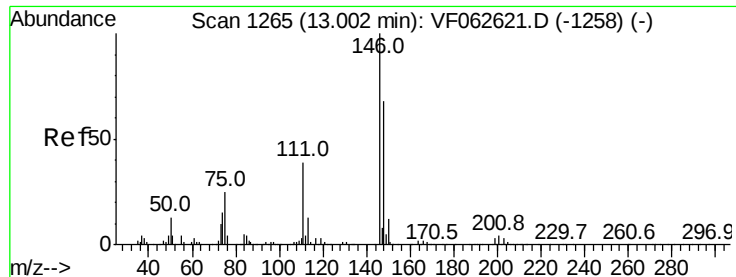
Tot Ion: 91 Resp: 1610341
Ion Ratio Lower Upper
91 100
92 66.8 33.3 99.8
134 25.9 15.4 46.4



#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

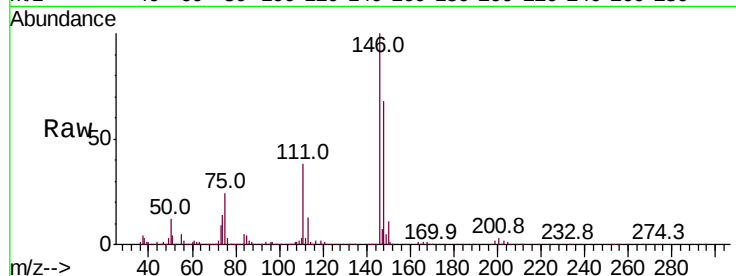
Tot Ion:146 Resp: 703739

Ion Ratio Lower Upper

146 100

111 37.8 19.8 59.3

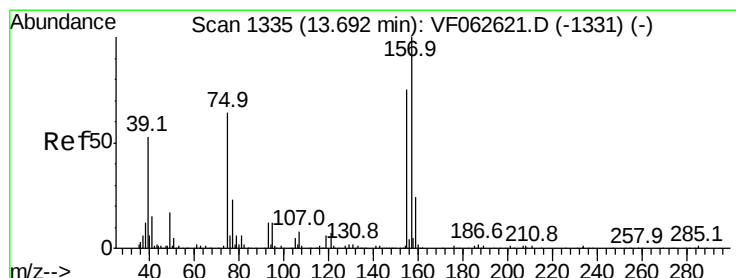
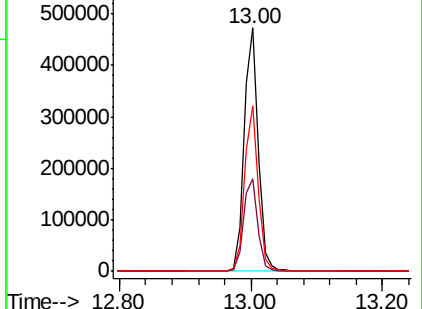
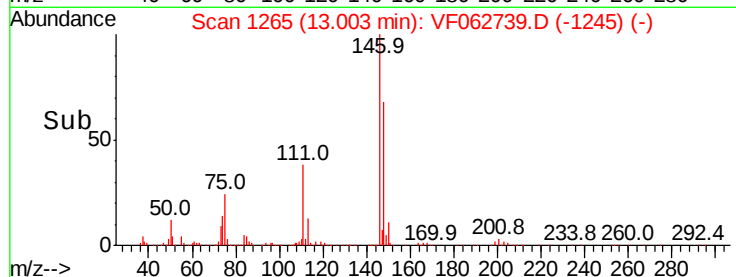
148 68.1 34.1 102.2



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

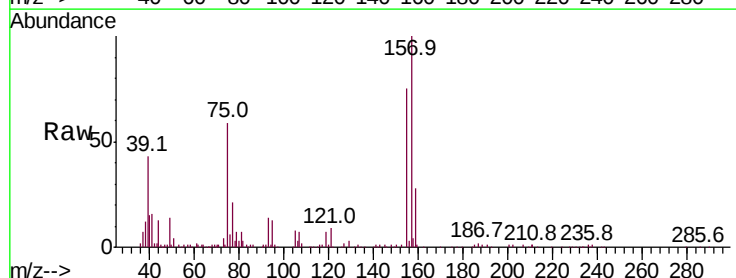
Tgt Ion: 75 Resp: 43968

Ion Ratio Lower Upper

75 100

155 127.2 58.1 174.3

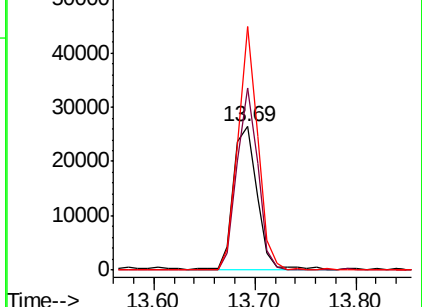
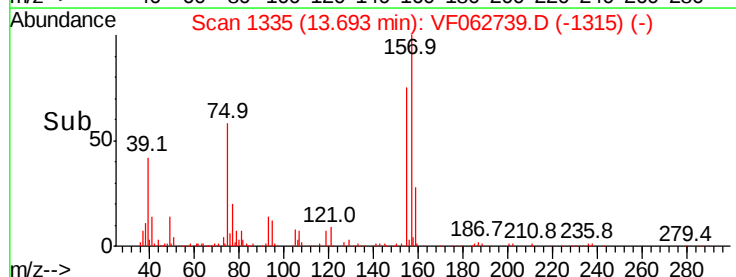
157 169.5 77.8 233.4

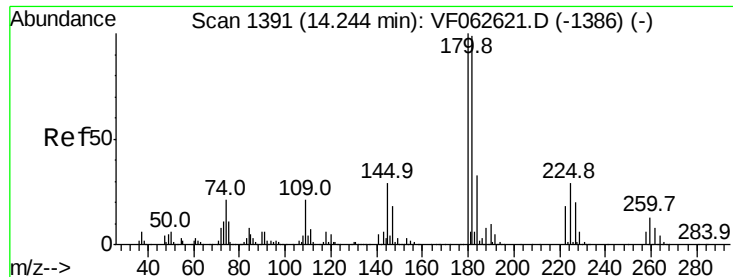


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

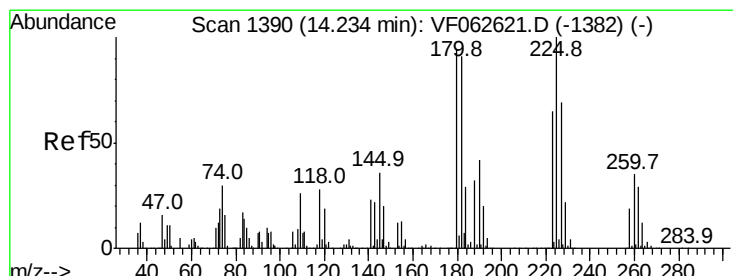
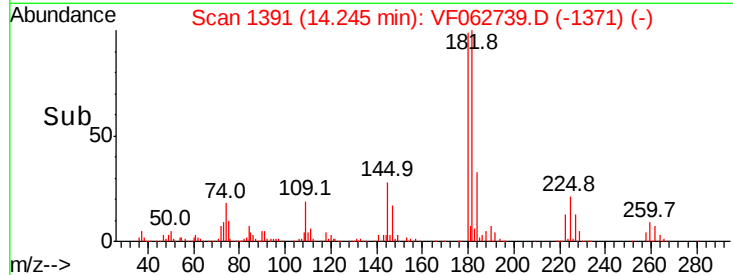
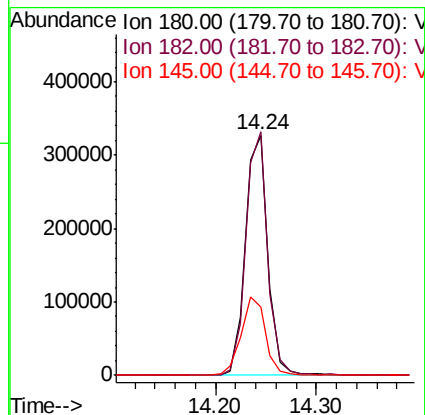
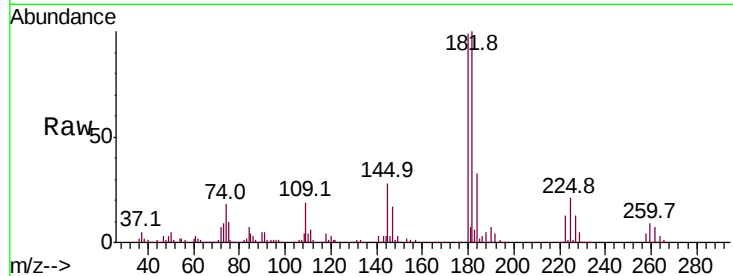




#93
 1,2,4-Trichlorobenzene
 Concen: 54.833 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062739.D
 Acq: 24 May 2019 10:45

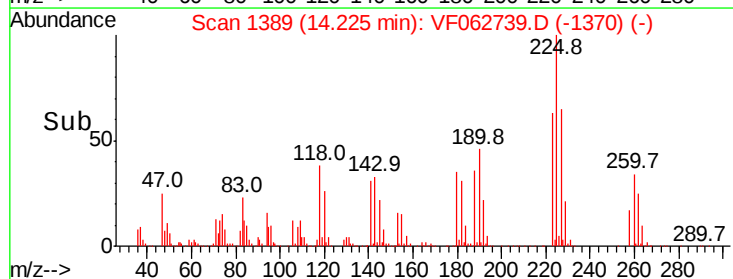
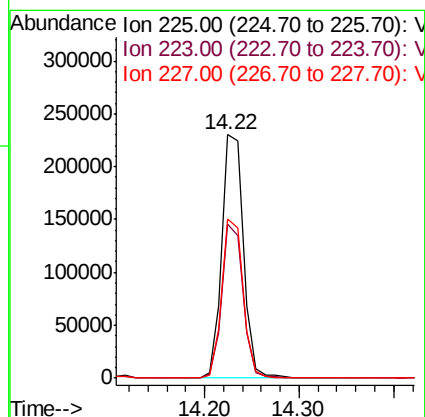
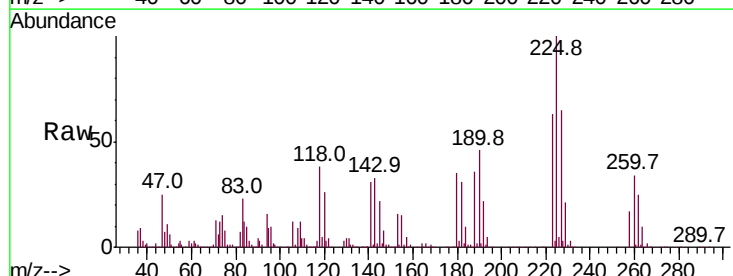
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

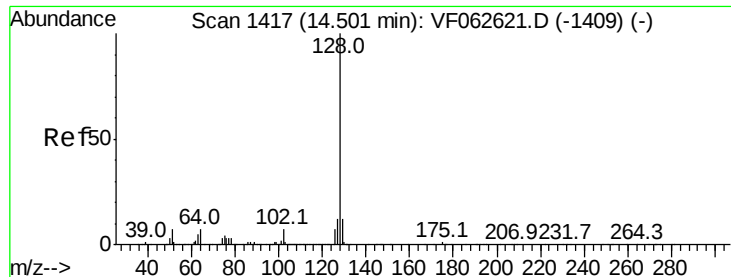
Tot Ion:180 Resp: 506686
 Ion Ratio Lower Upper
 180 100
 182 101.5 49.7 149.1
 145 28.3 14.6 44.0



#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

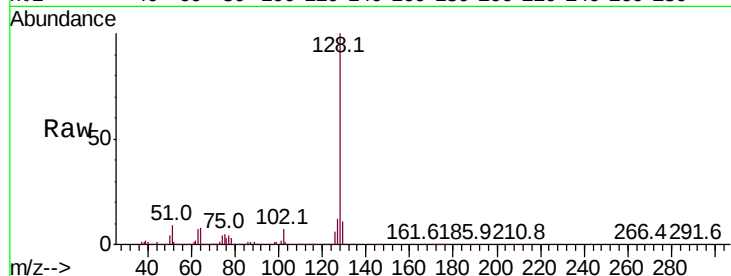
Tot Ion:128 Resp: 891536

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

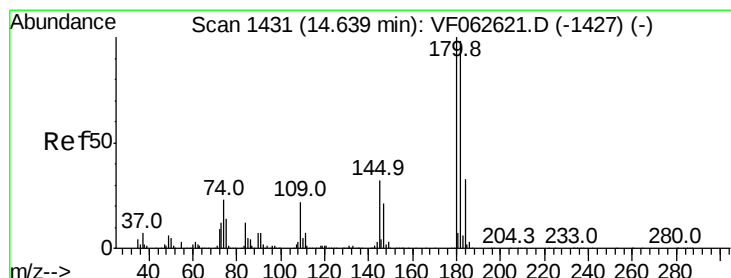
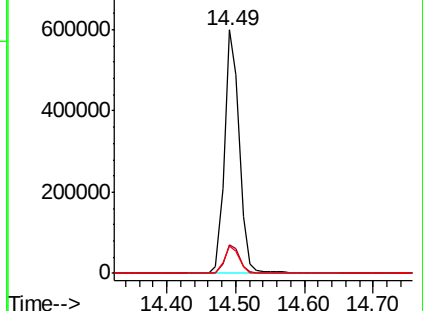
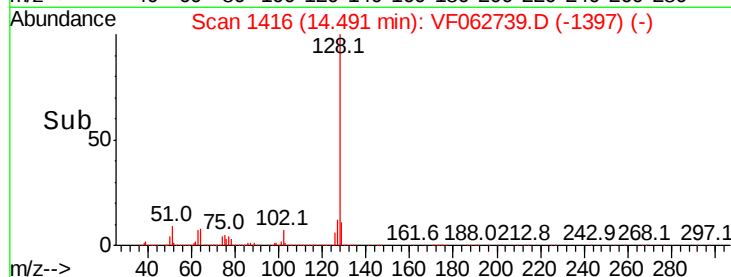
129 11.2 9.3 13.9



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

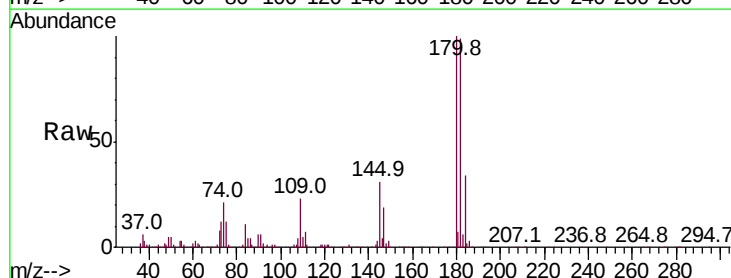
Tgt Ion:180 Resp: 468851

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

