

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062753.D
 Acq On : 28 May 2019 10:52
 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 29 01:43:41 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	881227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1459194	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1166327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	549253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	275207	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	
35) Dibromofluoromethane	4.32	113	491780	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	
50) Toluene-d8	7.72	98	1243052	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
62) 4-Bromofluorobenzene	11.50	95	460039	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	492454	41.065	ug/l	95
3) Chloromethane	1.15	50	472620	42.801	ug/l	99
4) Vinyl Chloride	1.19	62	455745	44.838	ug/l	98
5) Bromomethane	1.40	94	273853	49.250	ug/l	98
6) Chloroethane	1.46	64	167363	44.834	ug/l	94
7) Trichlorofluoromethane	1.56	101	649502	47.591	ug/l	98
8) Diethyl Ether	1.72	74	137751	50.949	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.92	101	393279	45.255	ug/l	95
10) Methyl Iodide	1.99	142	638636	37.410	ug/l	99
11) Tert butyl alcohol	2.70	59	107865	262.366	ug/l	97
12) 1,1-Dichloroethene	1.87	96	361322	45.643	ug/l	97
13) Acrolein	2.10	56	105421	245.648	ug/l	99
14) Allyl chloride	2.21	41	449539	62.744	ug/l	96
15) Acrylonitrile	3.10	53	519122	447.631	ug/l	# 94
16) Acetone	2.35	43	460178	284.846	ug/l	91
17) Carbon Disulfide	1.92	76	1040702	44.354	ug/l	98
18) Methyl Acetate	2.46	43	135148	53.235	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	779095	55.053	ug/l	98
20) Methylene Chloride	2.35	84	215736	26.641	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	376237	48.625	ug/l	99
22) Diisopropyl ether	2.94	45	878493	49.714	ug/l	100
23) Vinyl Acetate	3.35	43	3085685	258.860	ug/l	96
24) 1,1-Dichloroethane	3.02	63	672344	51.865	ug/l	100
25) 2-Butanone	4.53	43	923611	267.591	ug/l	96
26) 2,2-Dichloropropane	3.79	77	421023	56.763	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	661378	51.964	ug/l	94
28) Bromochloromethane	3.91	49	334833	46.054	ug/l	90
29) Tetrahydrofuran	4.27	42	344284	246.492	ug/l	93
30) Chloroform	4.06	83	907314	50.411	ug/l	100
31) Cyclohexane	3.88	56	846983	48.661	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	586248	49.046	ug/l	96
36) 1,1-Dichloropropene	4.49	75	724632	48.463	ug/l	99
37) Ethyl Acetate	4.32	43	309584	50.710	ug/l	# 75
38) Carbon Tetrachloride	4.20	117	527266	46.888	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	976093	54.254	ug/l	96
40) Benzene	4.83	78	2095916	51.454	ug/l	99
41) Methacrylonitrile	4.94	41	166201	51.927	ug/l	96
42) 1,2-Dichloroethane	5.14	62	409298	50.388	ug/l	93
43) Isopropyl Acetate	7.13	43	410138	51.855	ug/l #	89
44) Trichloroethene	5.70	130	624419	54.542	ug/l	91
45) 1,2-Dichloropropane	6.42	63	540634	52.577	ug/l	100
46) Dibromomethane	6.27	93	328968	55.357	ug/l	99
47) Bromodichloromethane	6.57	83	686492	55.645	ug/l	99
48) Methyl methacrylate	6.88	41	216939	52.476	ug/l	93
49) 1,4-Dioxane	6.88	88	53787	1015.835	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	1482189	274.160	ug/l	98
52) Toluene	7.79	92	1148620	53.767	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	573498	56.821	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	814768	57.668	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	371473	58.729	ug/l	96
56) Ethyl methacrylate	8.76	69	413982	54.936	ug/l	95
57) 1,3-Dichloropropane	9.00	76	609281	56.552	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.45	63	686575	279.906	ug/l	95
59) 2-Hexanone	9.63	43	1128518	326.277	ug/l	93
60) Dibromochloromethane	8.87	129	498621	60.484	ug/l	100
61) 1,2-Dibromoethane	9.14	107	390193	58.079	ug/l	98
64) Tetrachloroethene	8.31	164	493669	53.428	ug/l	98
65) Chlorobenzene	9.95	112	1233201	53.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	497635	54.113	ug/l	99
67) Ethyl Benzene	10.04	91	2014349	50.617	ug/l	99
68) m/p-Xylenes	10.26	106	1551886	103.756	ug/l	99
69) o-Xylene	10.82	106	838808	54.447	ug/l	95
70) Styrene	10.89	104	1224714	52.303	ug/l	99
71) Bromoform	10.88	173	278411	60.448	ug/l	100
73) Isopropylbenzene	11.22	105	2134480	54.222	ug/l	100
74) N-amyl acetate	11.45	43	619415	63.274	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	449449	55.867	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	291849	55.211	ug/l	86
77) Bromobenzene	11.58	156	530587	54.224	ug/l	97
78) n-propylbenzene	11.68	91	2345220	50.339	ug/l	99
79) 2-Chlorotoluene	11.80	91	1369173	52.148	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1676522	53.113	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	178212	75.845	ug/l	93
82) 4-Chlorotoluene	11.98	91	1391165	53.731	ug/l	100
83) tert-Butylbenzene	12.20	119	1674581	52.290	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1618028	52.961	ug/l	98
85) sec-Butylbenzene	12.37	105	2251560	52.389	ug/l	99
86) p-Isopropyltoluene	12.52	119	1866559	51.535	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	921758	52.067	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	853318	51.364	ug/l	99
89) n-Butylbenzene	12.90	91	1752074	49.063	ug/l	99
90) Hexachloroethane	12.97	117	479931	55.237	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	835548	52.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	58354	60.802	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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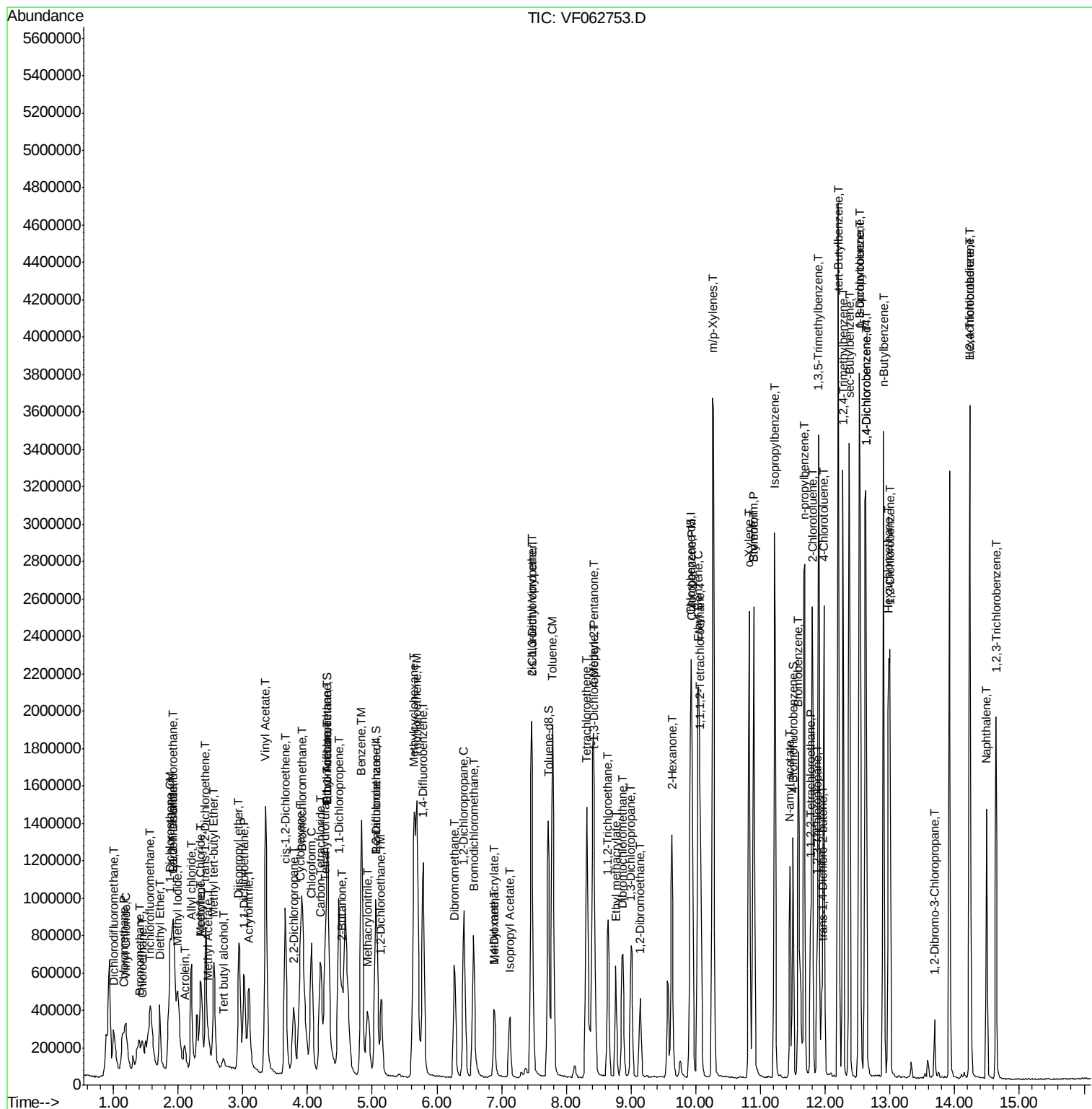
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	613564	54.318	ug/l	100
94) Hexachlorobutadiene	14.23	225	409221	51.912	ug/l	95
95) Naphthalene	14.49	128	1118307	54.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	572622	53.519	ug/l	98

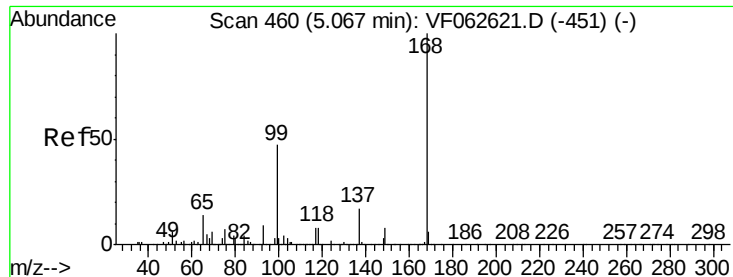
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

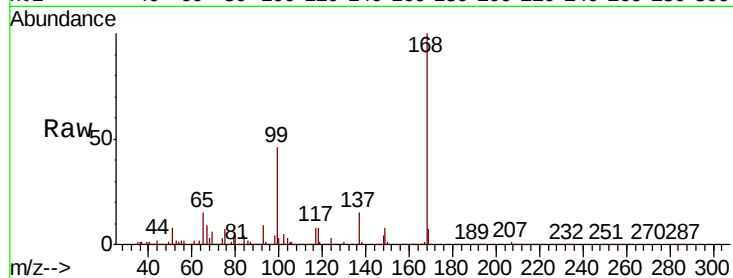
VSTDCCC050

Tot Ion:168 Resp: 881227

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

300000

250000

200000

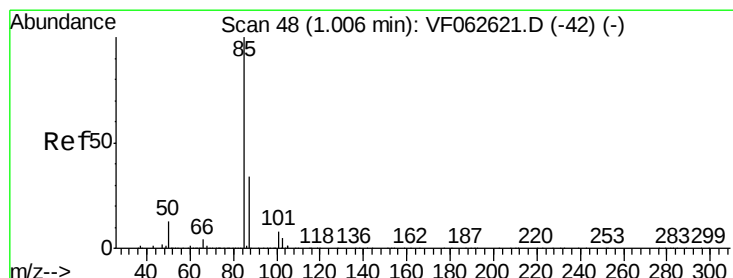
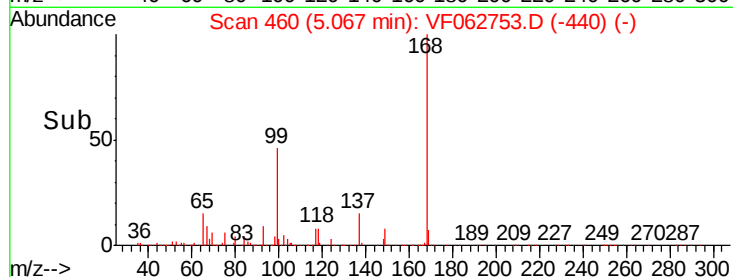
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.065 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062753.D

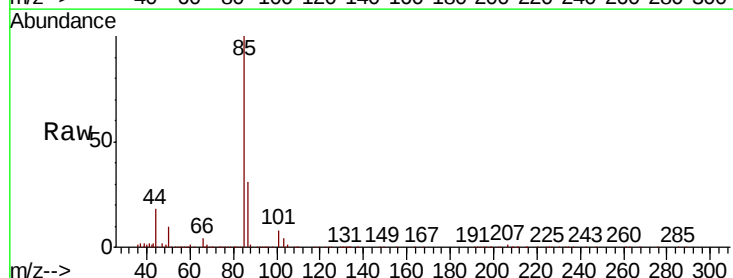
Acq: 28 May 2019 10:52

Tgt Ion: 85 Resp: 492454

Ion Ratio Lower Upper

85 100

87 30.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

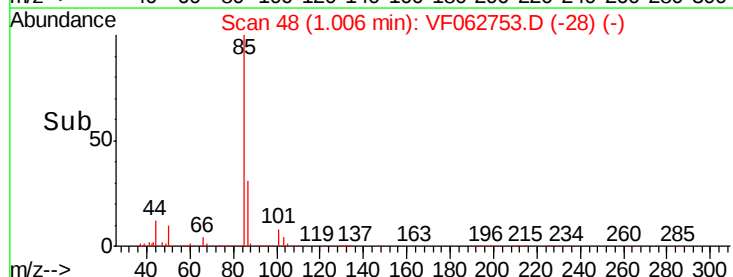
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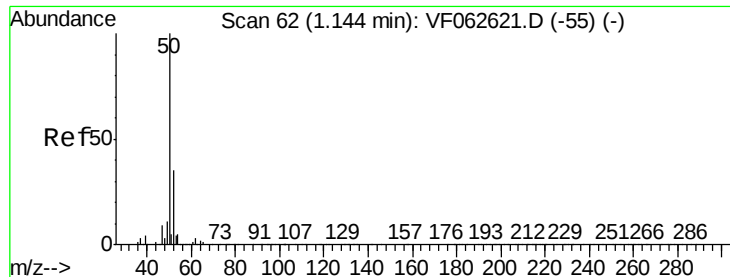
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50000

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Time-->

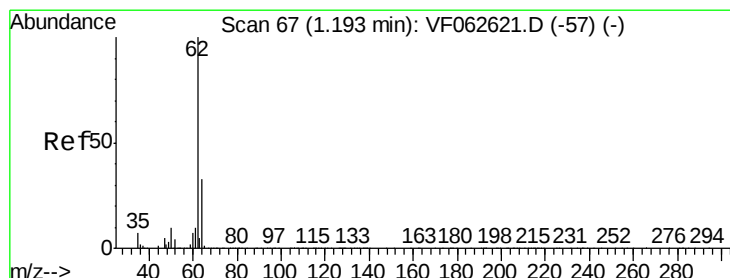
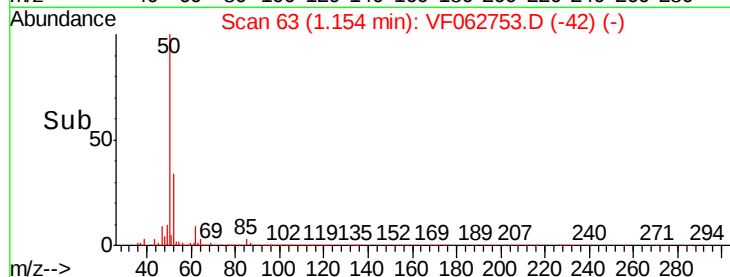
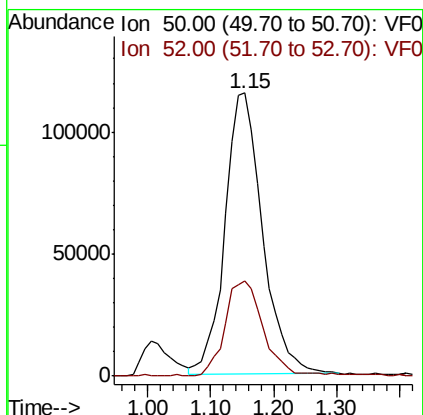
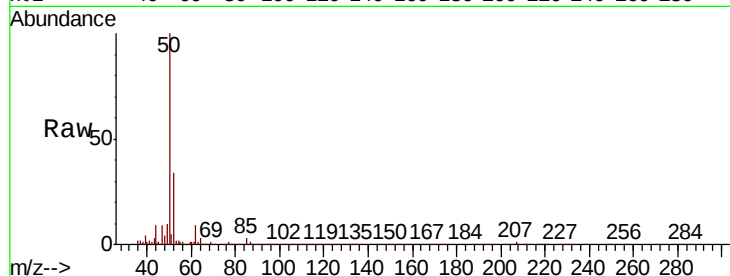




#3
Chloromethane
Concen: 42.801 ug/l
RT: 1.15 min Scan# 63
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

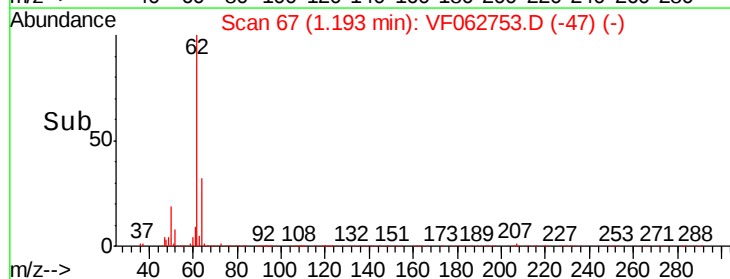
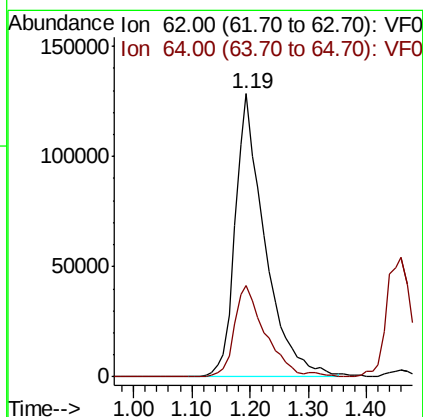
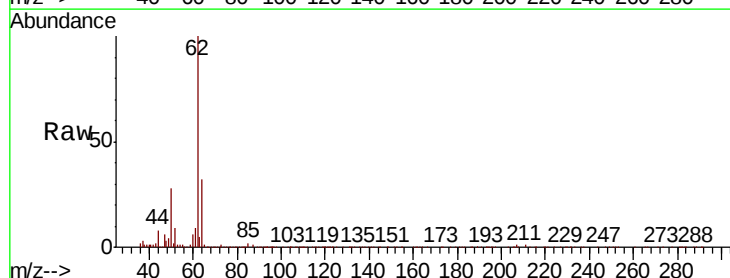
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

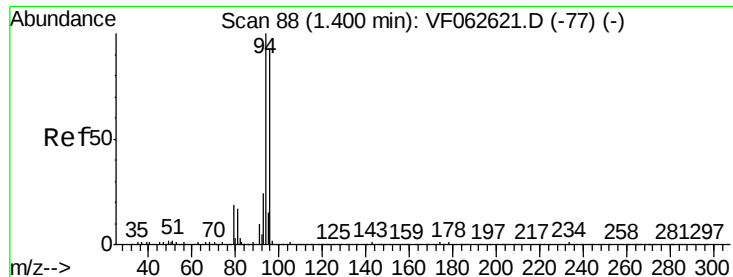
Tot Ion: 50 Resp: 472620
Ion Ratio Lower Upper
50 100
52 33.7 27.5 41.3



#4
Vinyl Chloride
Concen: 44.838 ug/l
RT: 1.19 min Scan# 67
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 62 Resp: 455745
Ion Ratio Lower Upper
62 100
64 32.4 26.7 40.1





#5

Bromomethane

Concen: 49.250 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

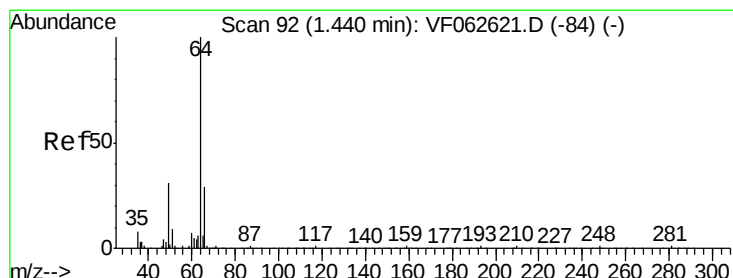
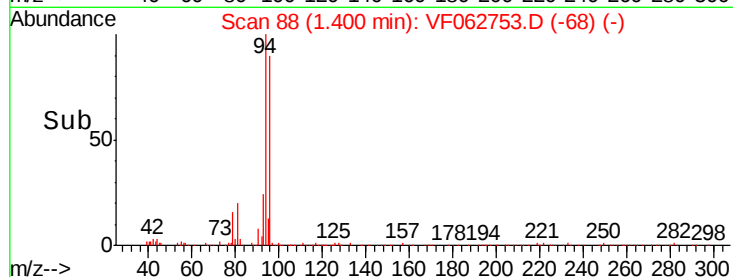
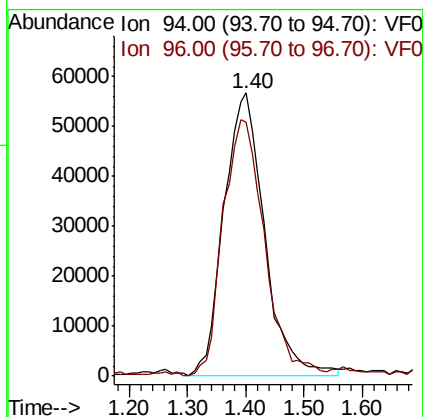
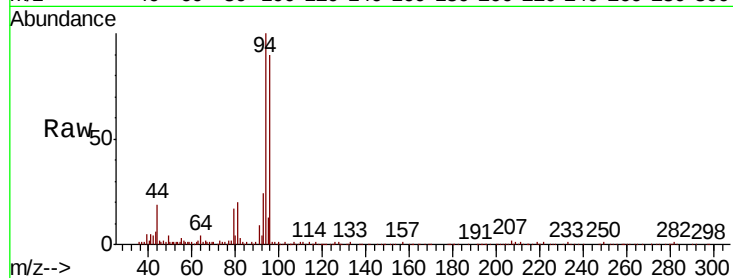
VSTDCCC050

Tot Ion: 94 Resp: 273853

Ion Ratio Lower Upper

94 100

96 89.7 73.2 109.8



#6

Chloroethane

Concen: 44.834 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062753.D

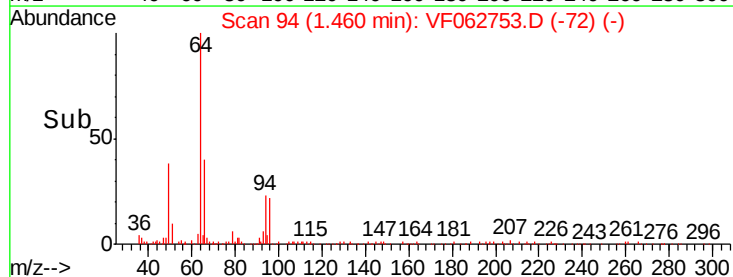
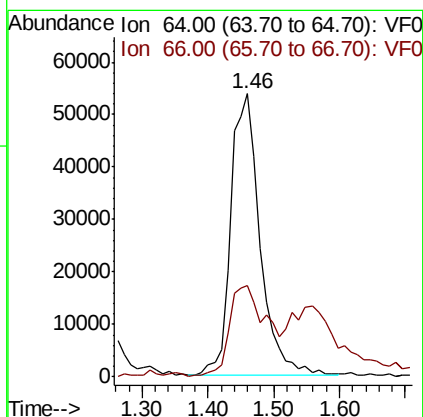
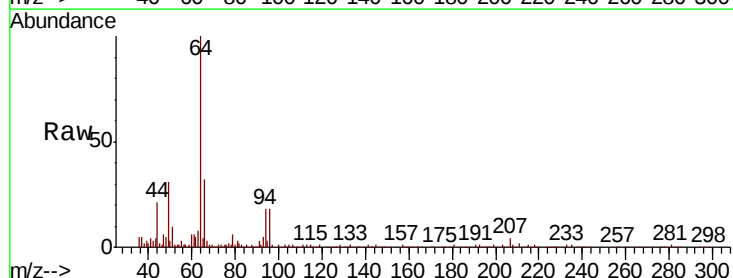
Acq: 28 May 2019 10:52

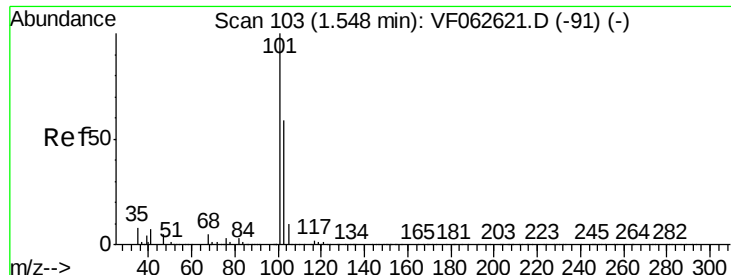
Tgt Ion: 64 Resp: 167363

Ion Ratio Lower Upper

64 100

66 32.3 23.4 35.2



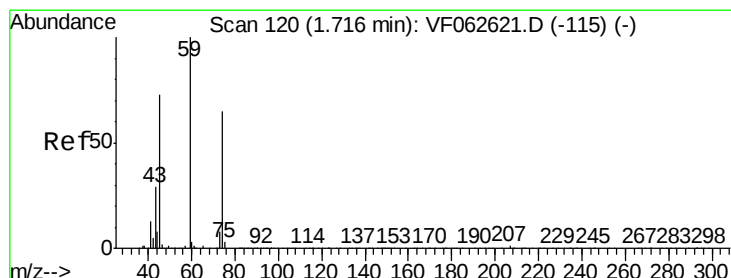
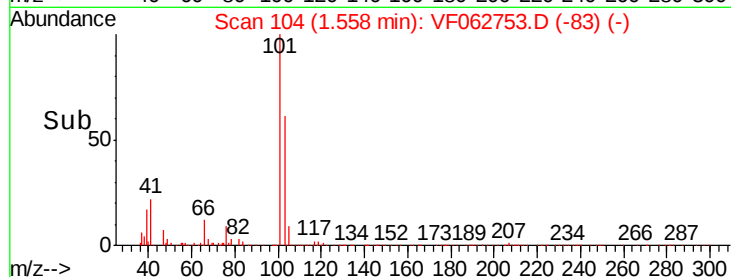
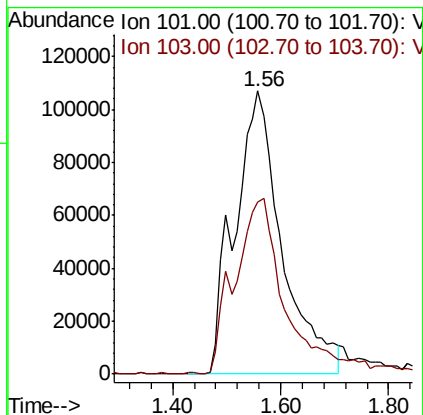
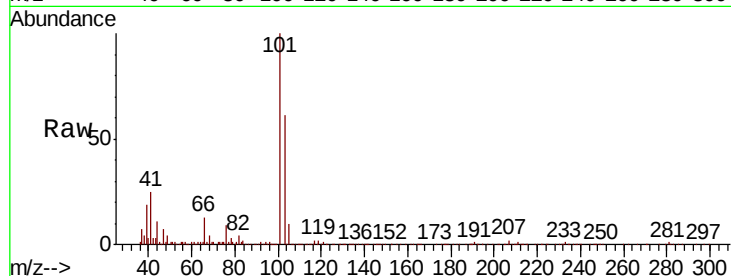


#7

Trichlorofluoromethane
 Concen: 47.591 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
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 VSTDCCC050

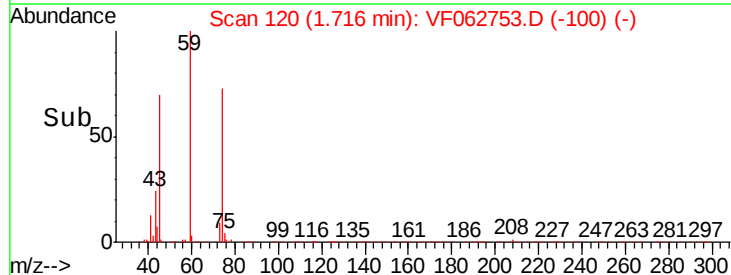
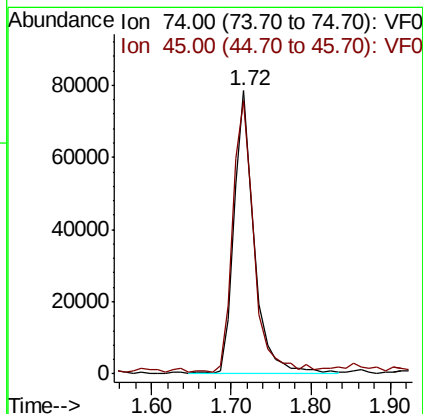
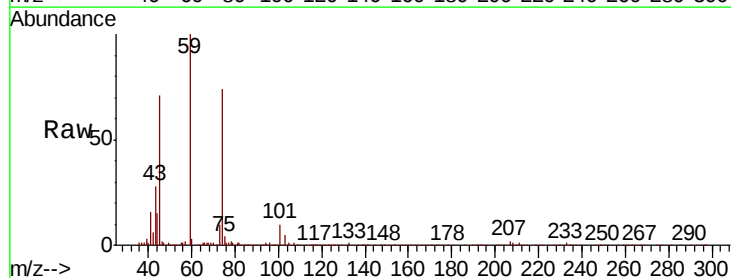
Tot Ion:101 Resp: 649502
 Ion Ratio Lower Upper
 101 100
 103 60.9 47.3 70.9

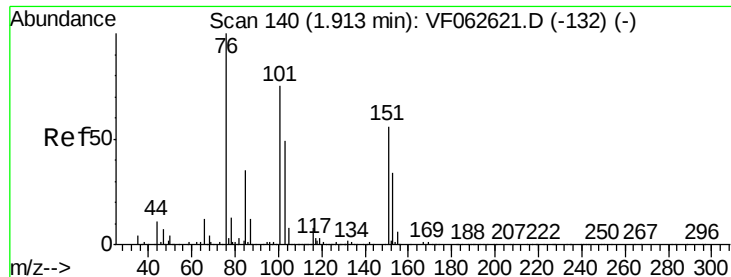


#8

Diethyl Ether
 Concen: 50.949 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion: 74 Resp: 137751
 Ion Ratio Lower Upper
 74 100
 45 96.5 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.255 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

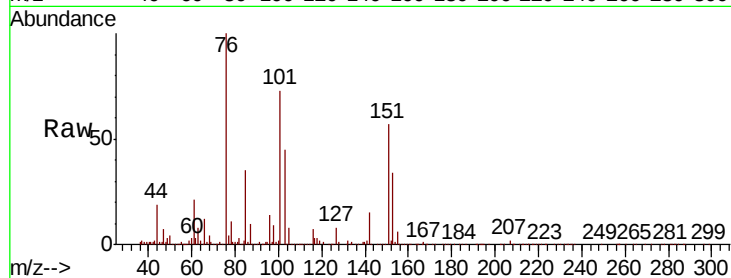
Tot Ion:101 Resp: 393279

Ion Ratio Lower Upper

101 100

85 48.3 37.1 55.7

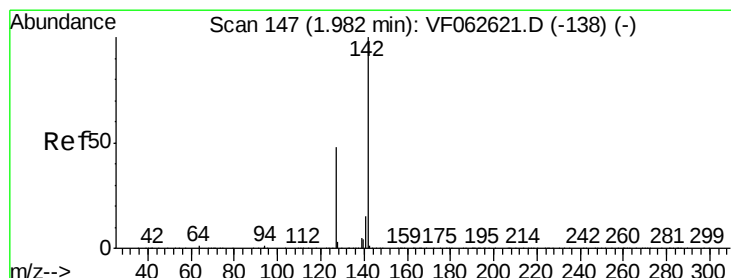
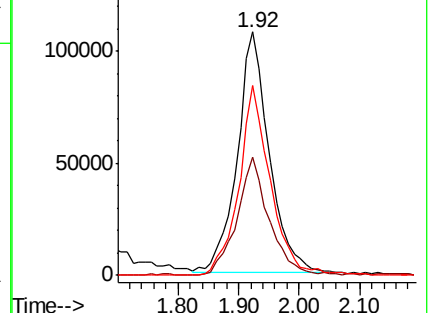
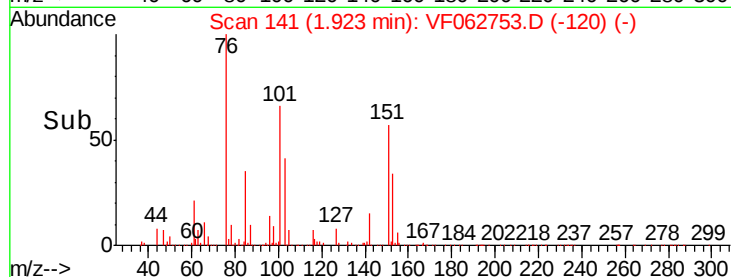
151 78.2 58.8 88.2



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: 37.410 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

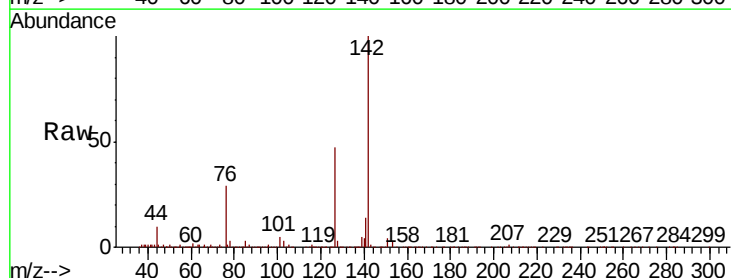
Tgt Ion:142 Resp: 638636

Ion Ratio Lower Upper

142 100

127 47.0 38.1 57.1

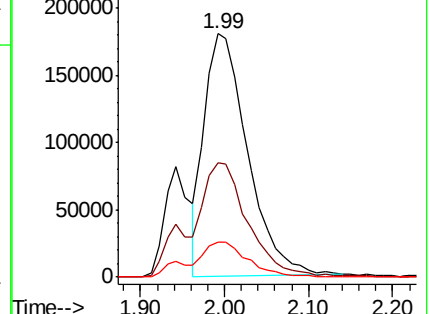
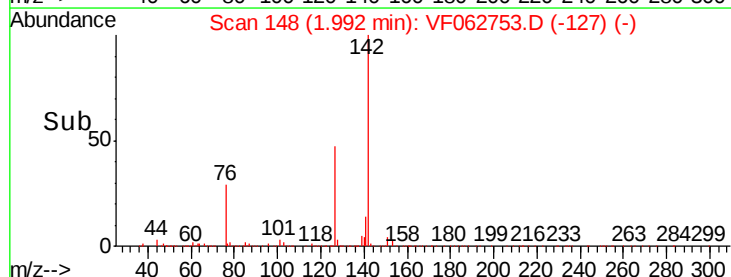
141 14.2 11.7 17.5

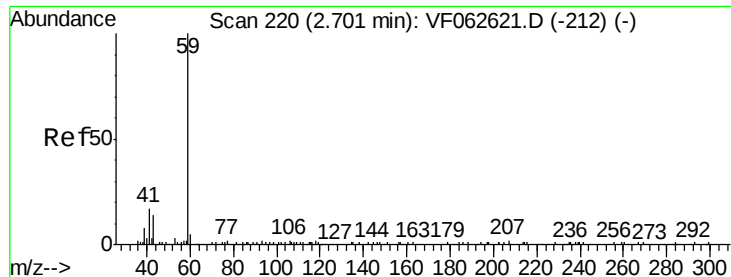


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



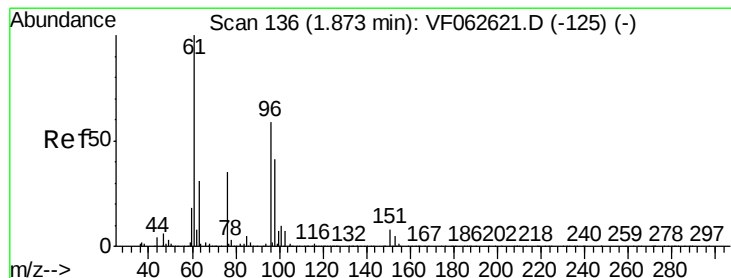
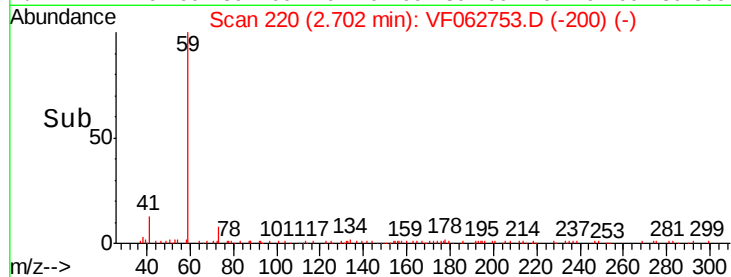
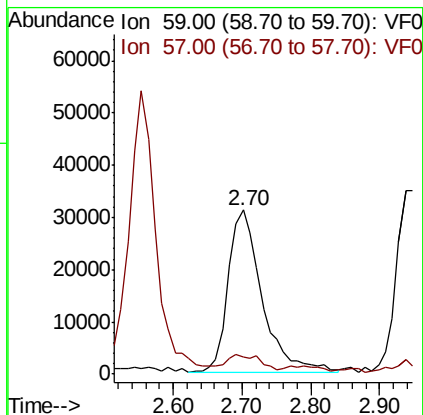
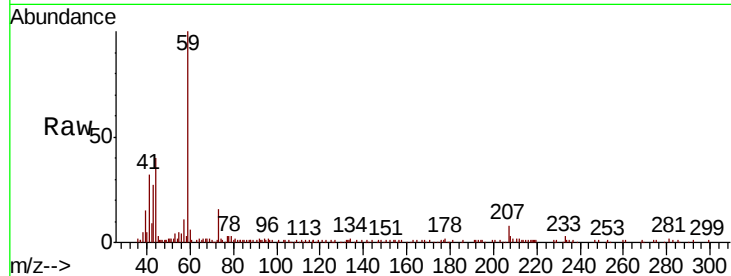


#11

Tert butyl alcohol
 Concen: 262.366 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

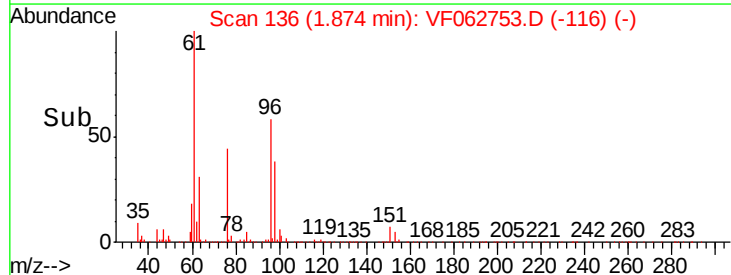
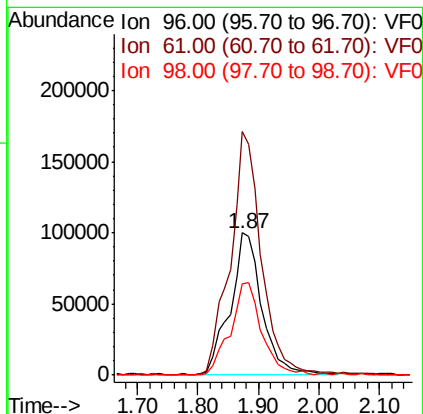
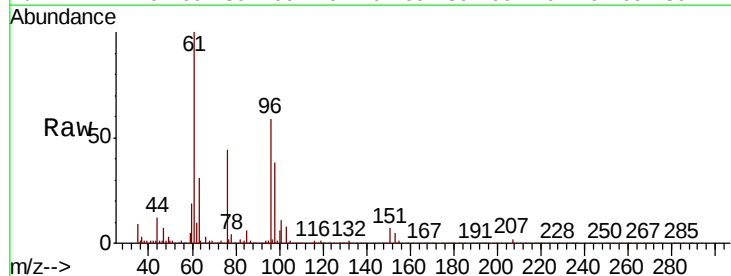
Tot Ion: 59 Resp: 107865
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.3 13.9

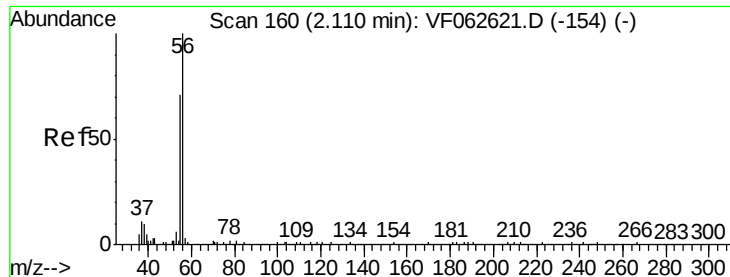


#12

1,1-Dichloroethene
 Concen: 45.643 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion: 96 Resp: 361322
 Ion Ratio Lower Upper
 96 100
 61 170.9 134.3 201.5
 98 64.5 55.0 82.6





#13

Acrolein

Concen: 245.648 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

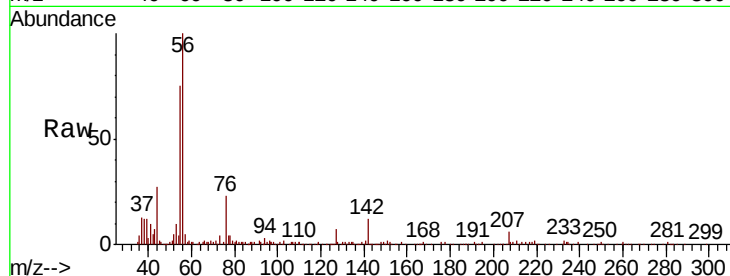
VSTDCCC050

Tot Ion: 56 Resp: 105421

Ion Ratio Lower Upper

56 100

55 75.3 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

50000

40000

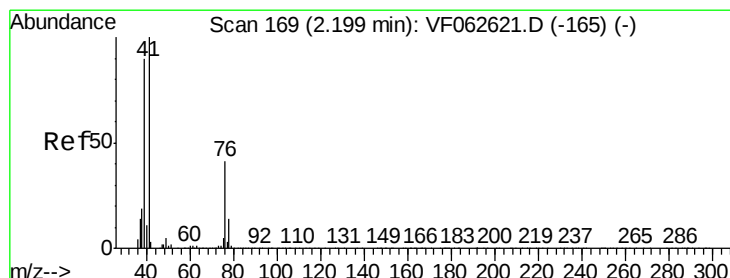
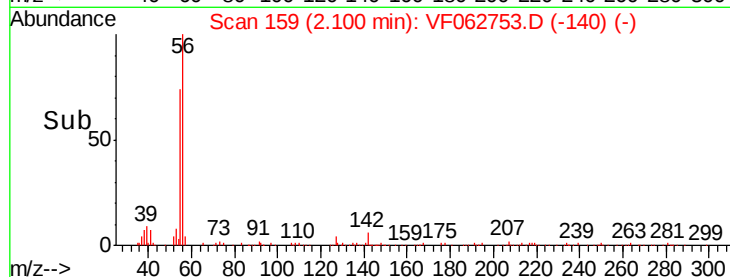
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 62.744 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

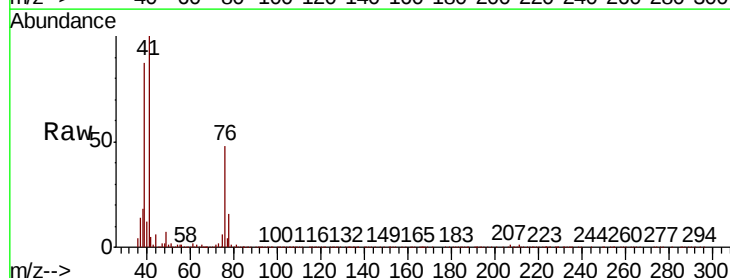
Tgt Ion: 41 Resp: 449539

Ion Ratio Lower Upper

41 100

39 87.3 72.0 108.0

76 47.5 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.21

200000

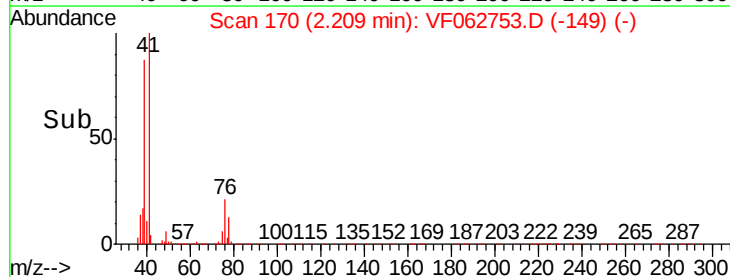
150000

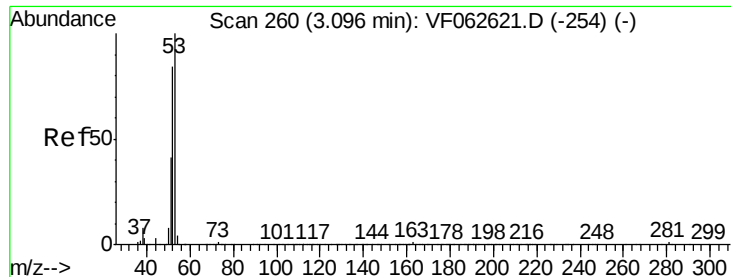
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 447.631 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

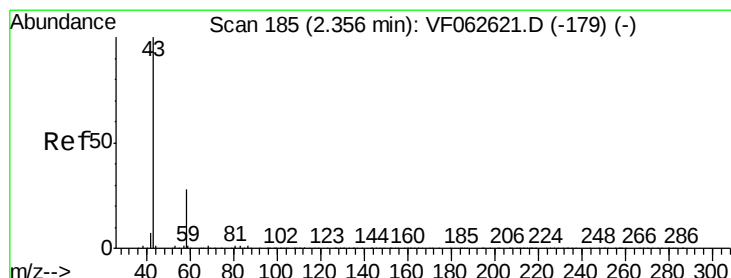
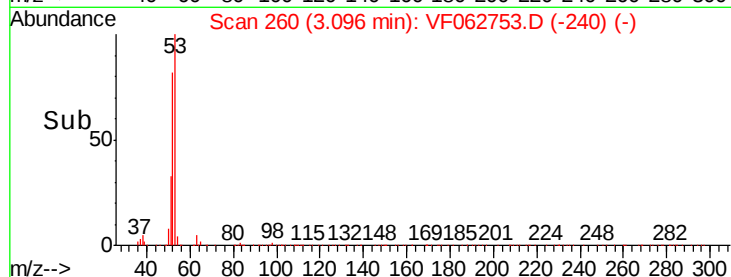
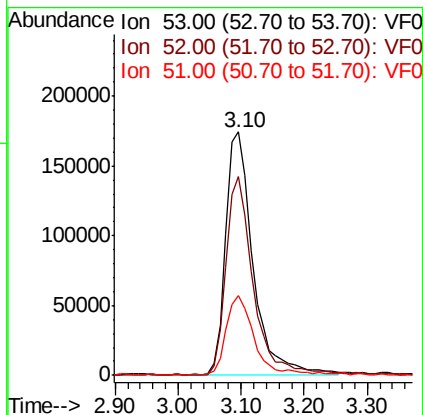
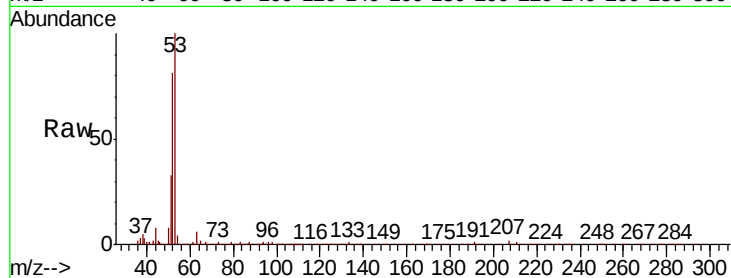
Tot Ion: 53 Resp: 519122

Ion Ratio Lower Upper

53 100

52 81.4 67.3 100.9

51 33.0 33.0 49.6#



#16

Acetone

Concen: 284.846 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062753.D

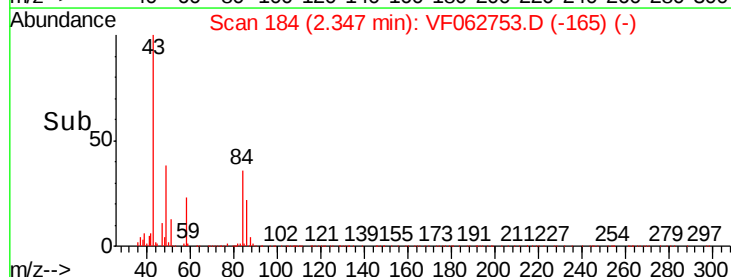
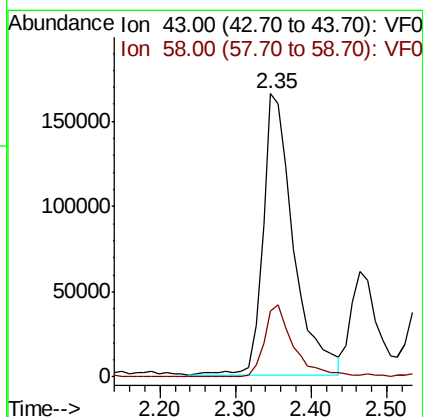
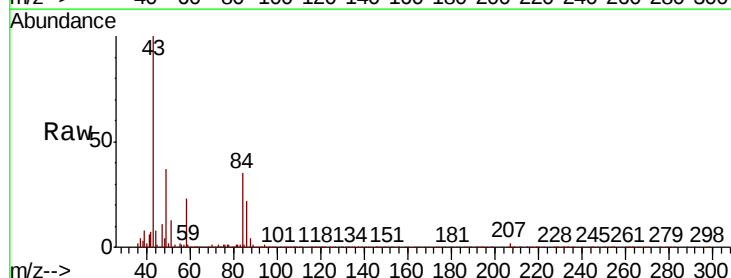
Acq: 28 May 2019 10:52

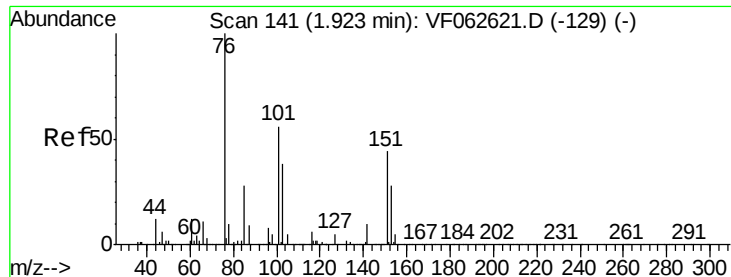
Tgt Ion: 43 Resp: 460178

Ion Ratio Lower Upper

43 100

58 23.4 22.6 33.8

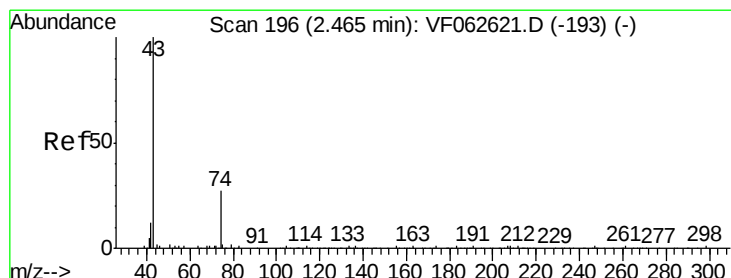
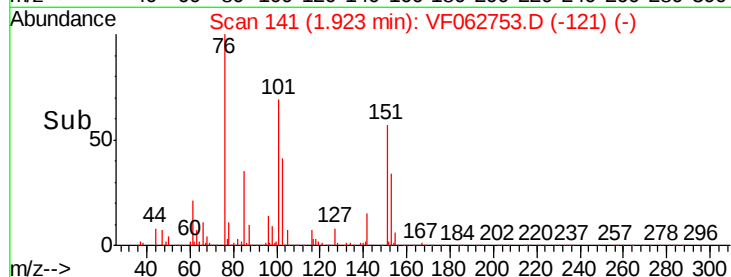
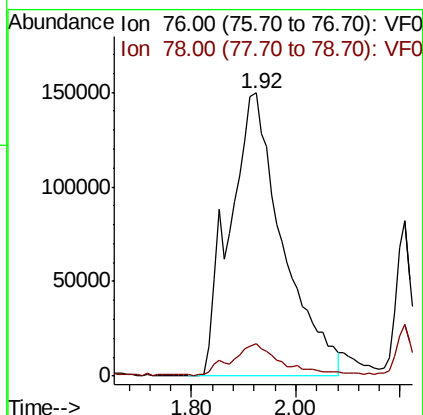
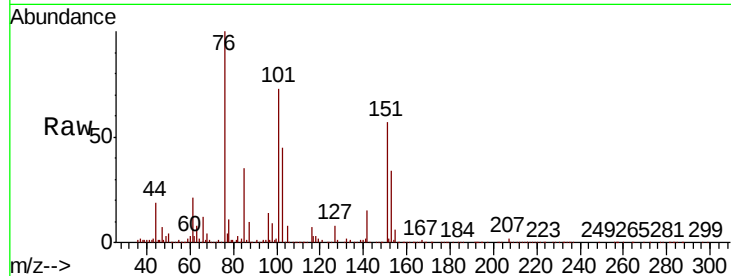




#17
Carbon Disulfide
Concen: 44.354 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

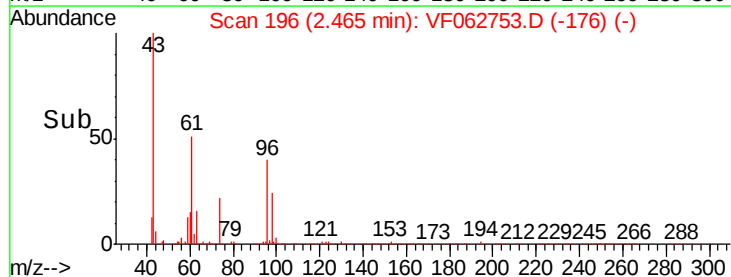
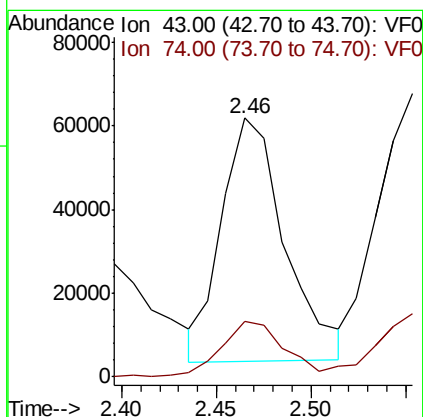
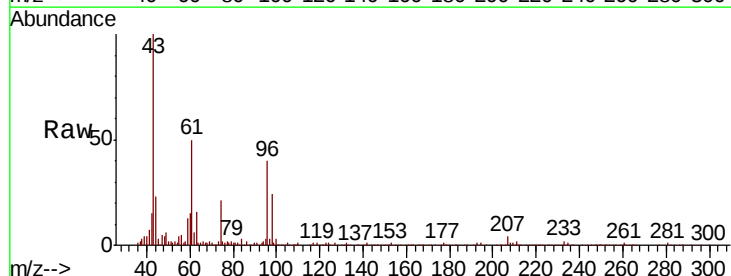
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

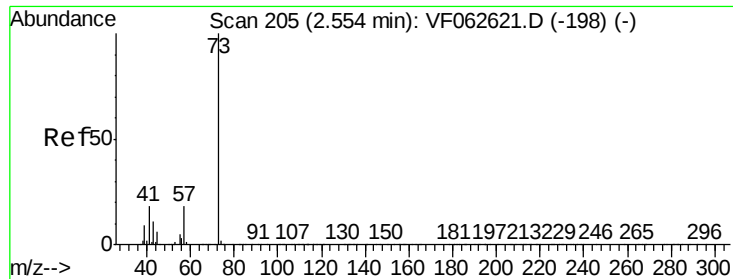
Tot Ion: 76 Resp: 1040702
Ion Ratio Lower Upper
76 100
78 11.4 8.4 12.6



#18
Methyl Acetate
Concen: 53.235 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 43 Resp: 135148
Ion Ratio Lower Upper
43 100
74 21.2 18.9 28.3

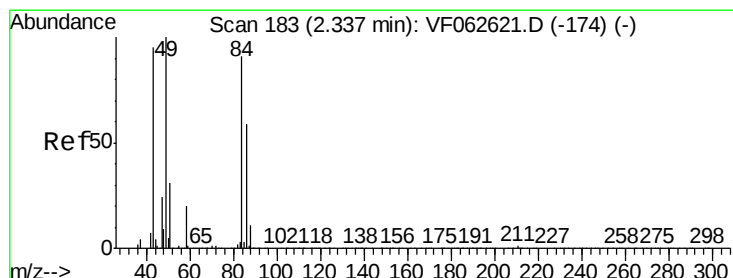
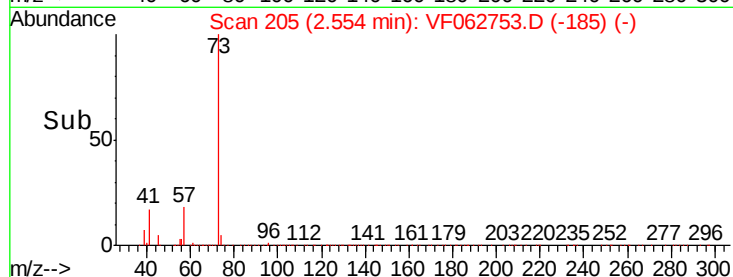
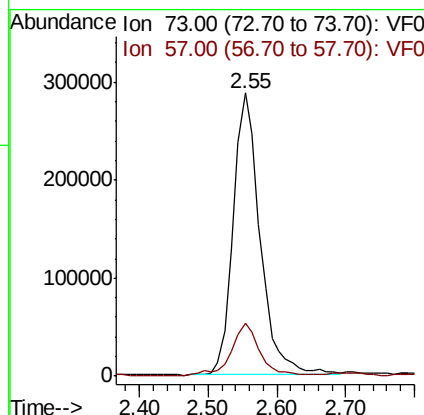
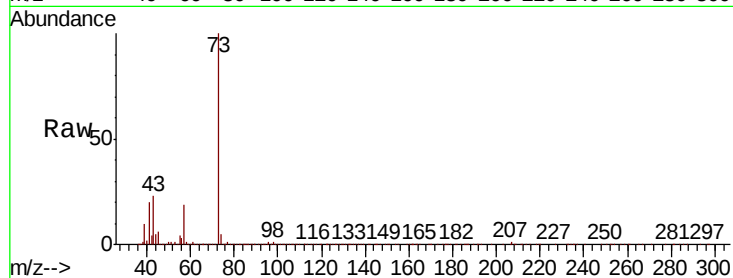




#19
Methvl tert-butvl Ether
Concen: 55.053 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

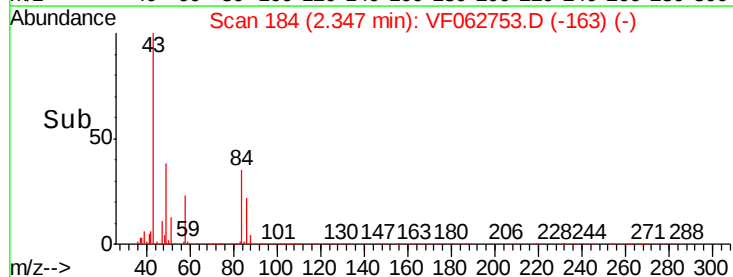
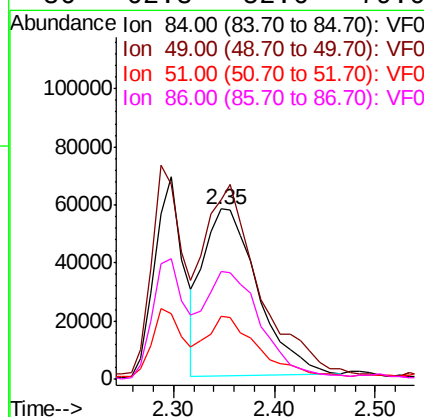
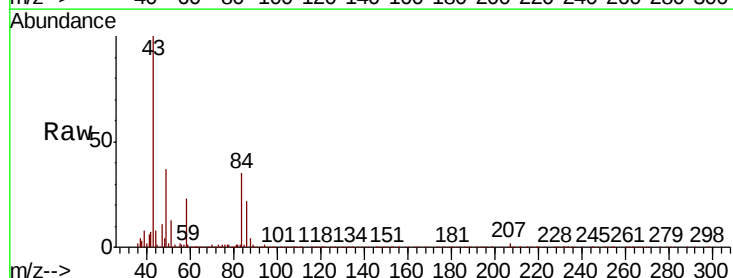
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

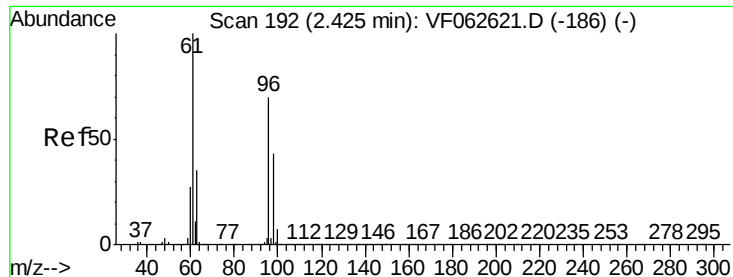
Tot Ion: 73 Resp: 779095
Ion Ratio Lower Upper
73 100
57 18.8 14.2 21.4



#20
Methylene Chloride
Concen: 26.641 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 84 Resp: 215736
Ion Ratio Lower Upper
84 100
49 105.6 89.8 134.8
51 36.9 28.4 42.6
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 48.625 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

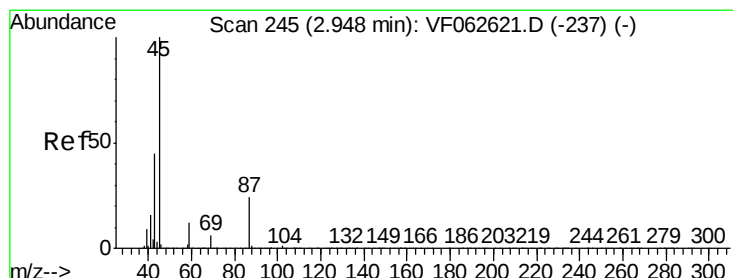
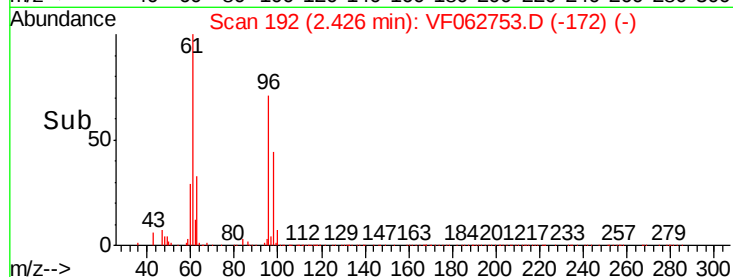
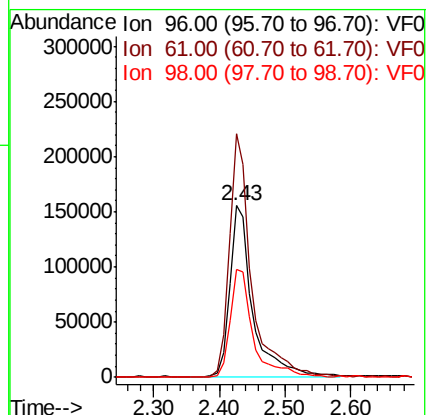
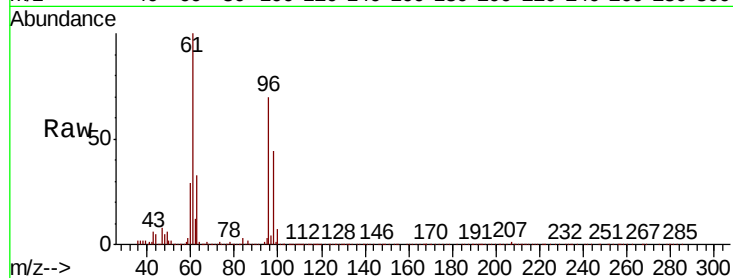
Tot Ion: 96 Resp: 376237

Ion Ratio Lower Upper

96 100

61 141.9 114.6 171.8

98 62.8 49.5 74.3



#22

Diisopropyl ether

Concen: 49.714 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion: 45 Resp: 878493

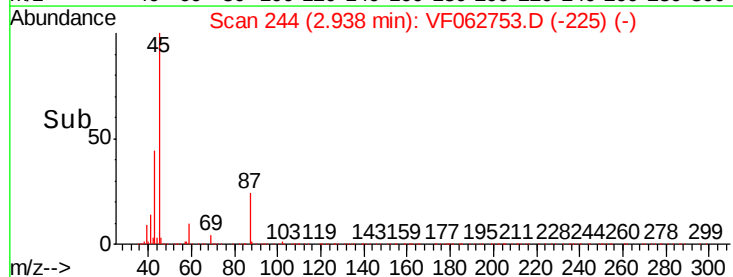
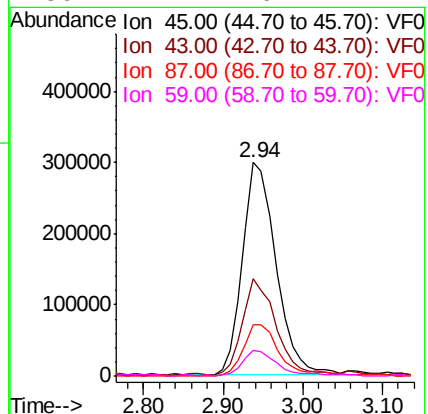
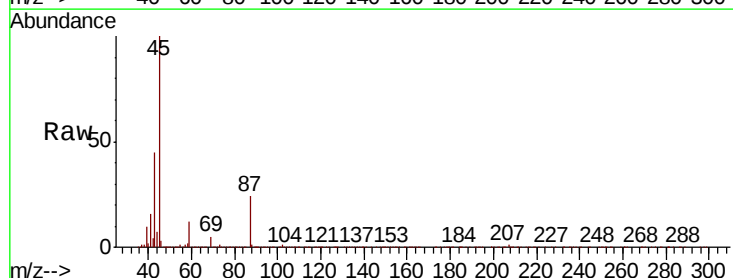
Ion Ratio Lower Upper

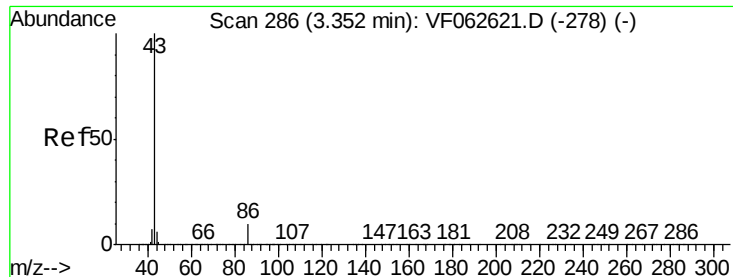
45 100

43 45.3 36.4 54.6

87 24.0 19.3 28.9

59 11.7 9.4 14.2

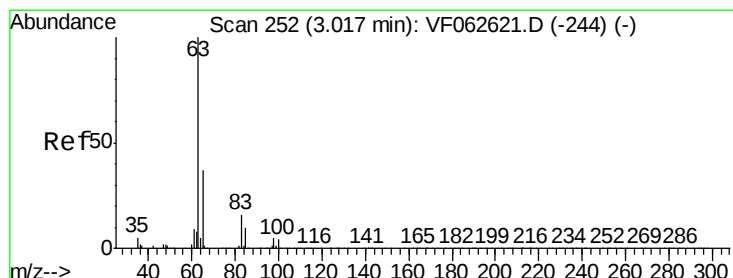
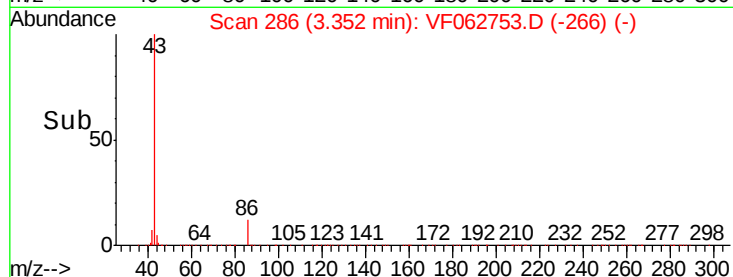
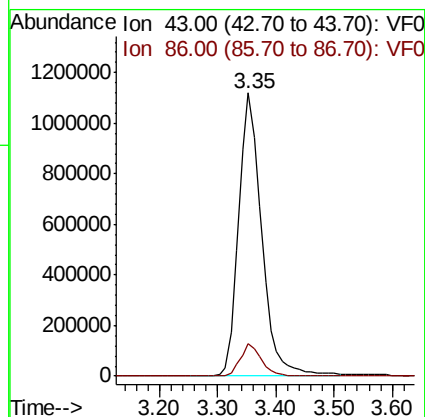
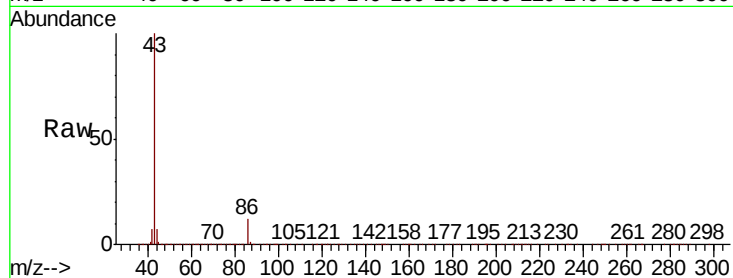




#23
 Vinyl Acetate
 Concen: 258.860 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

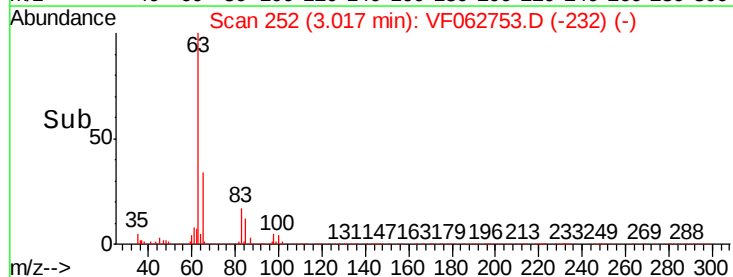
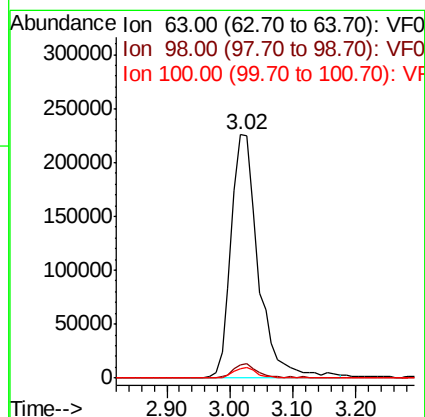
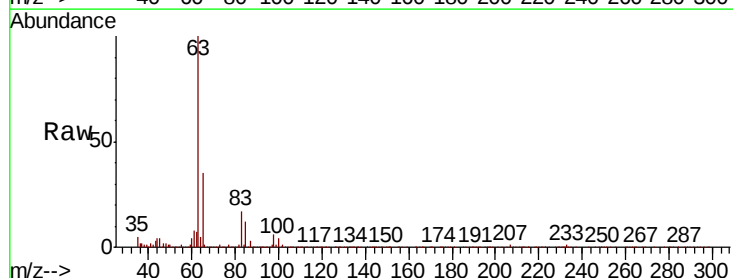
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3085685
 Ion Ratio Lower Upper
 43 100
 86 11.7 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 51.865 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion: 63 Resp: 672344
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 267.591 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

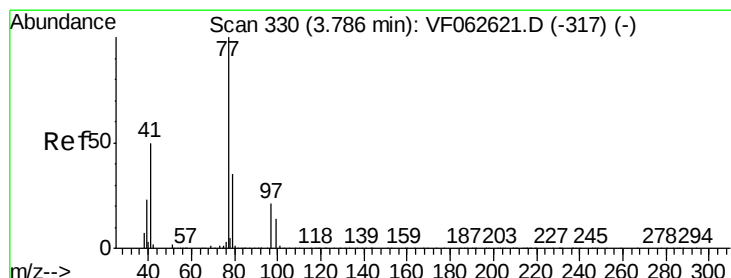
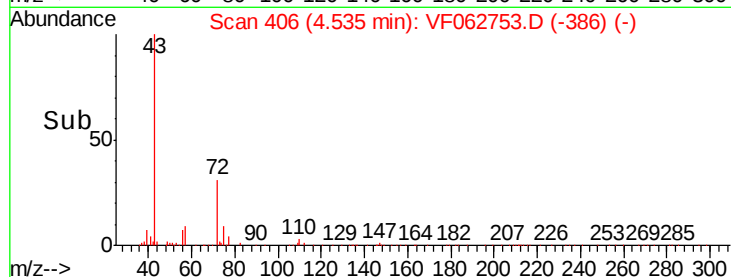
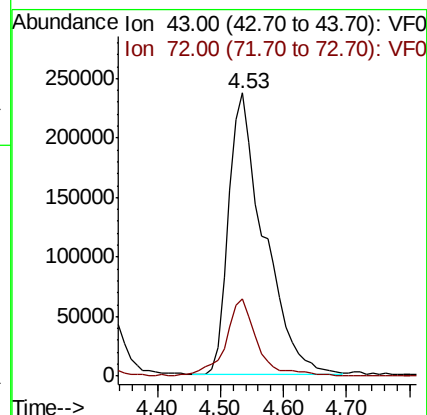
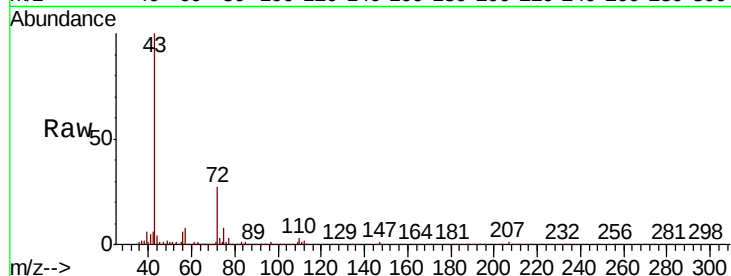
VSTDCCC050

Tot Ion: 43 Resp: 923611

Ion Ratio Lower Upper

43 100

72 27.2 20.1 30.1



#26

2,2-Dichloropropane

Concen: 56.763 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062753.D

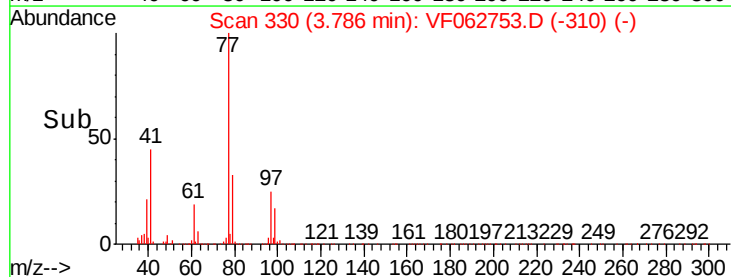
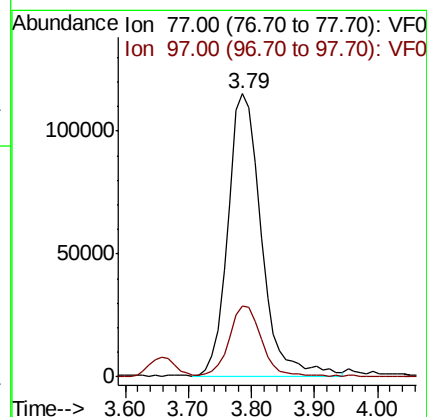
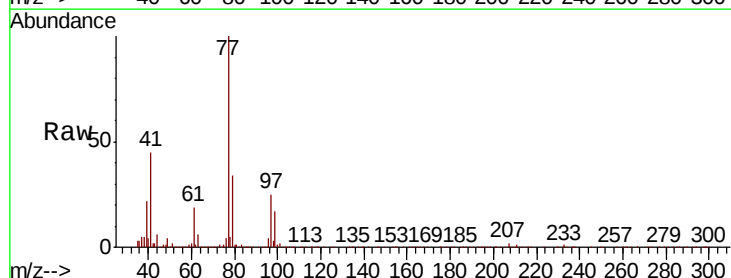
Acq: 28 May 2019 10:52

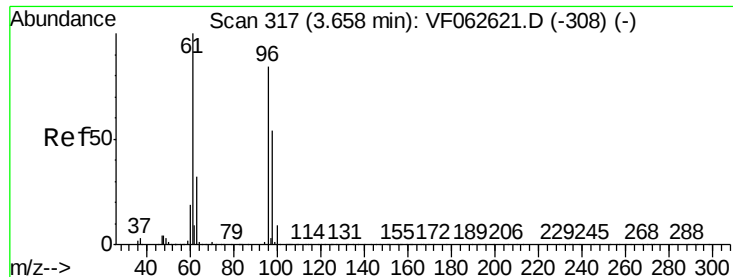
Tgt Ion: 77 Resp: 421023

Ion Ratio Lower Upper

77 100

97 25.0 14.1 42.4



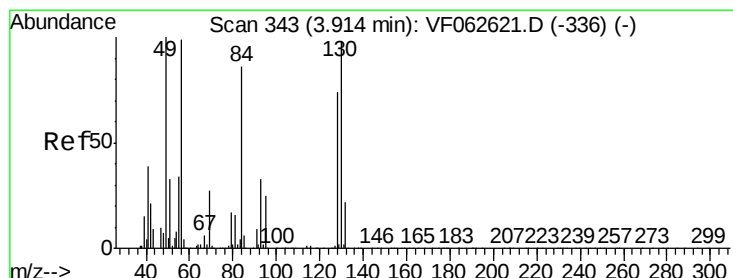
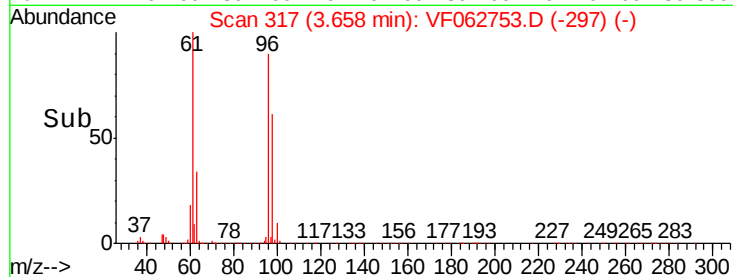
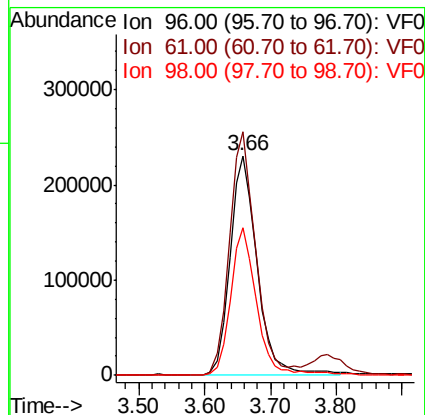
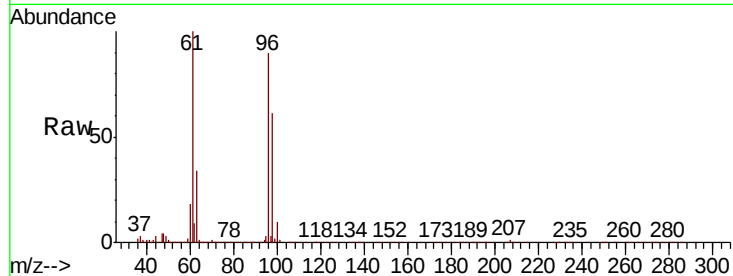


#27

cis-1,2-Dichloroethene
 Concen: 51.964 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

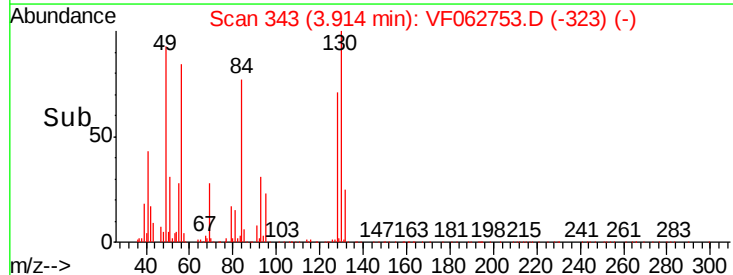
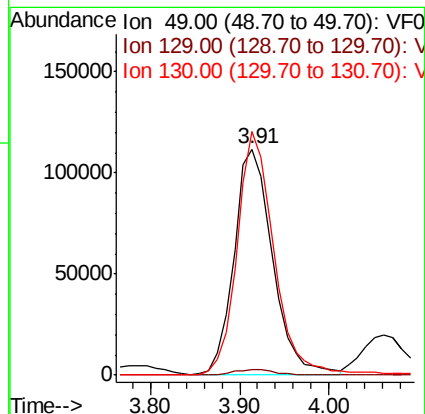
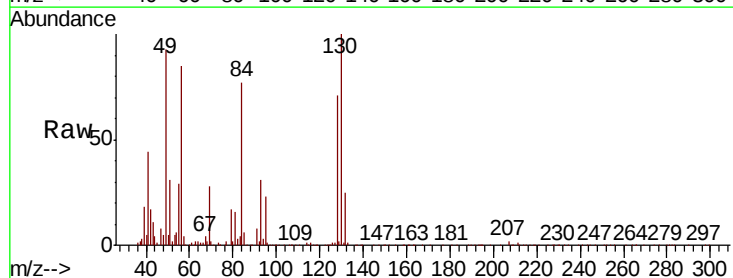
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.9	0.0	237.4
98	67.3	0.0	129.0

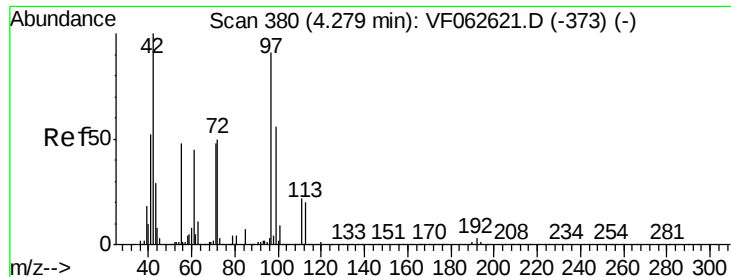


#28

Bromochloromethane
 Concen: 46.054 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	107.6	77.8	116.8

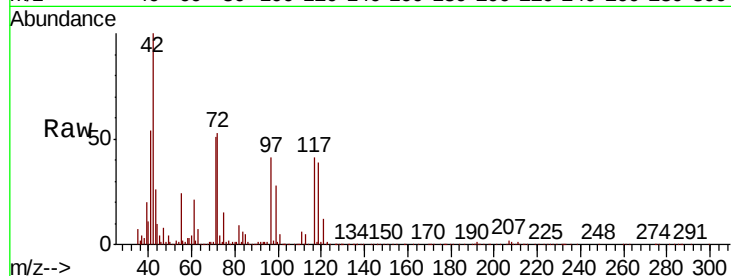




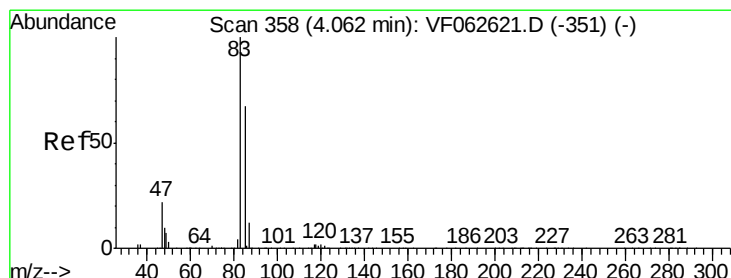
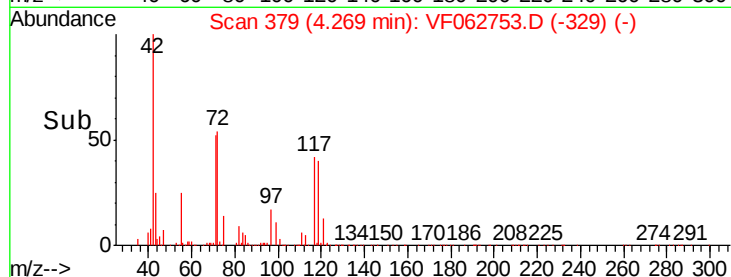
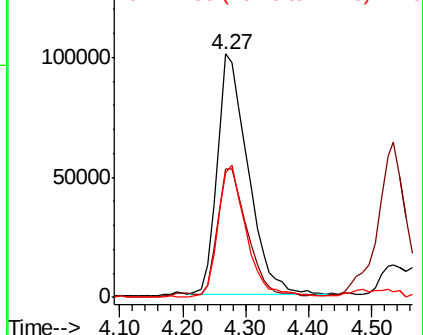
#29
Tetrahydrofuran
Concen: 246.492 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	38.2	57.2
71	49.4	35.8	53.6

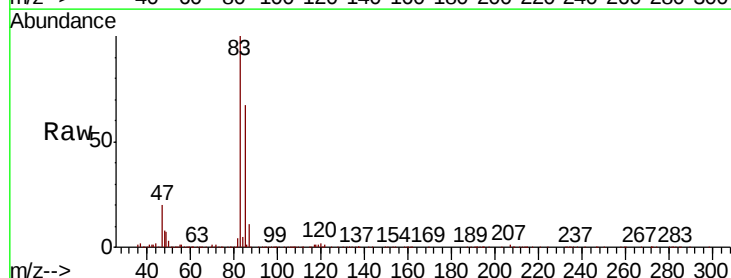


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

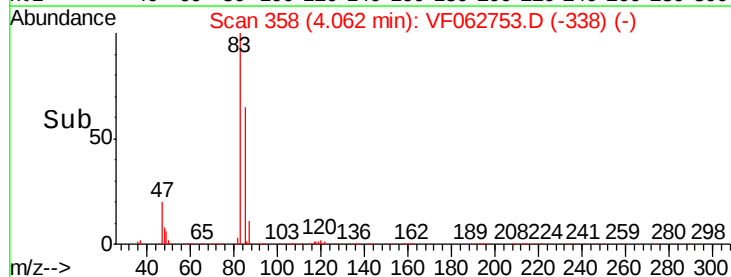
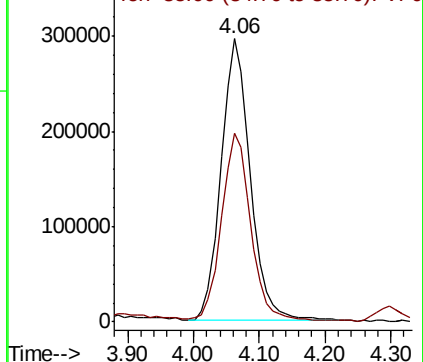


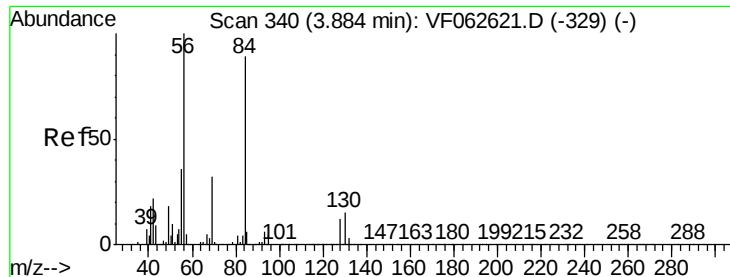
#30
Chloroform
Concen: 50.411 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.6	80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 48.661 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

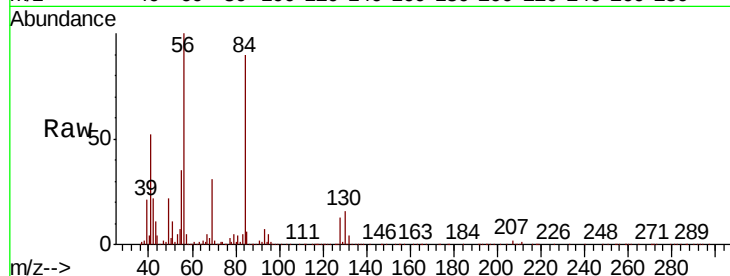
Tot Ion: 56 Resp: 846983

Ion Ratio Lower Upper

56 100

69 30.6 25.3 37.9

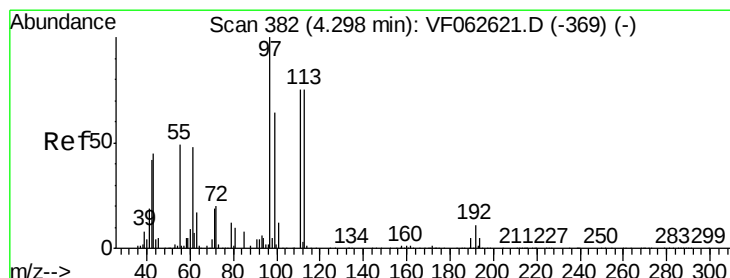
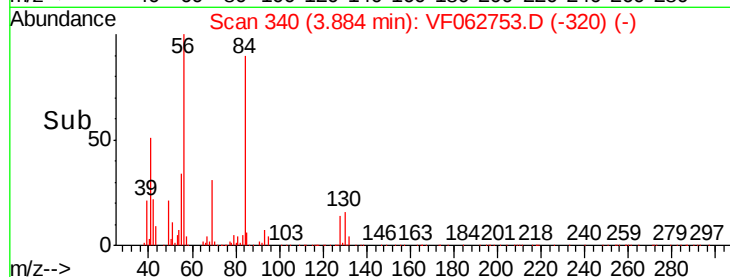
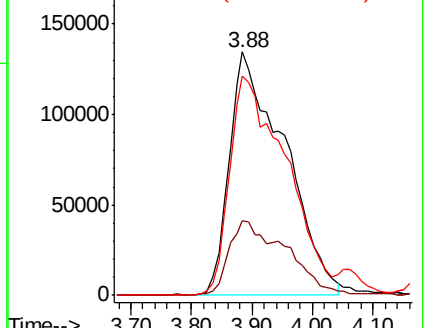
84 90.0 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 49.046 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

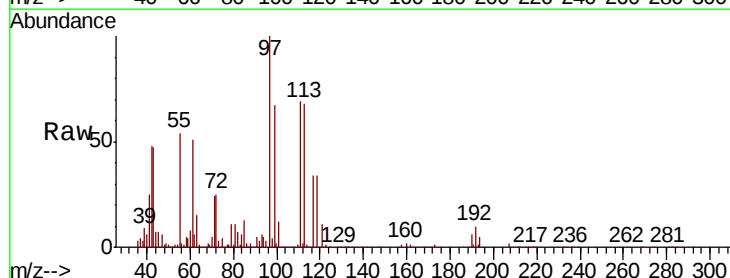
Tgt Ion: 97 Resp: 586248

Ion Ratio Lower Upper

97 100

99 66.7 51.3 76.9

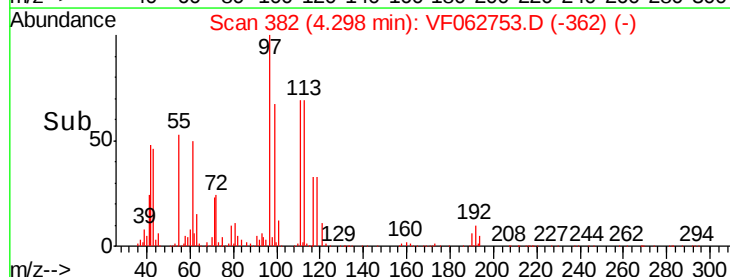
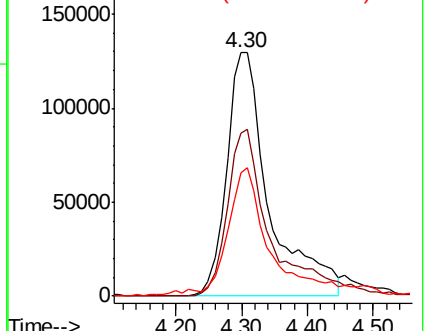
61 50.5 38.2 57.2

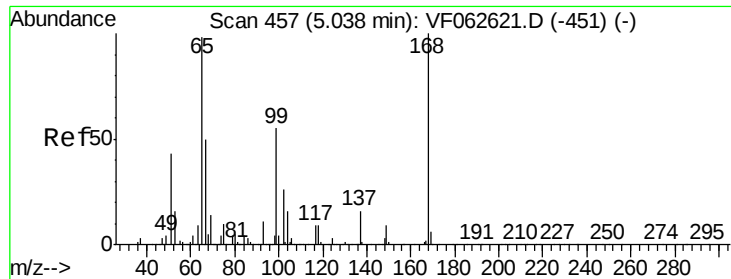


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 44.194 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

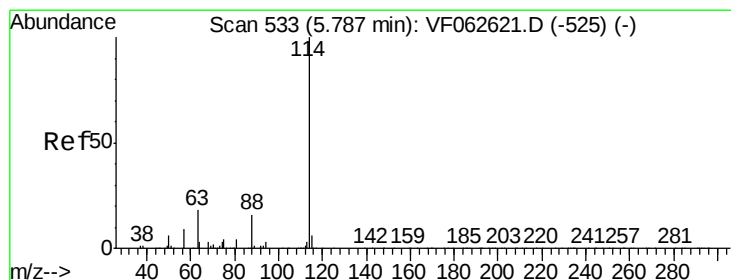
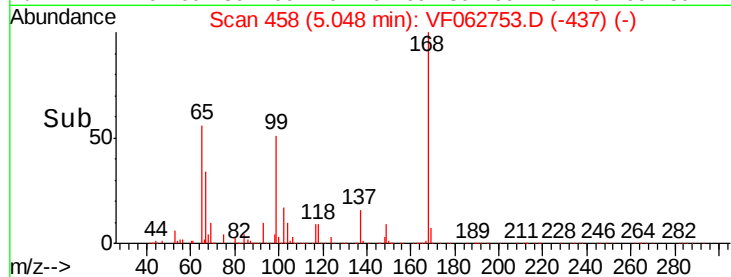
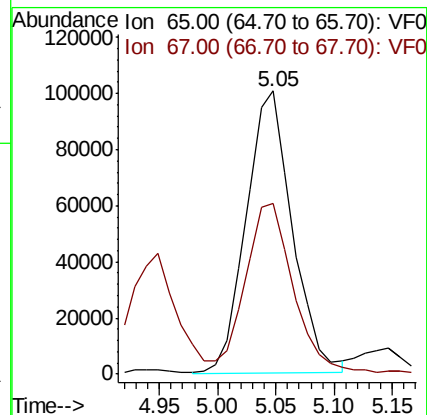
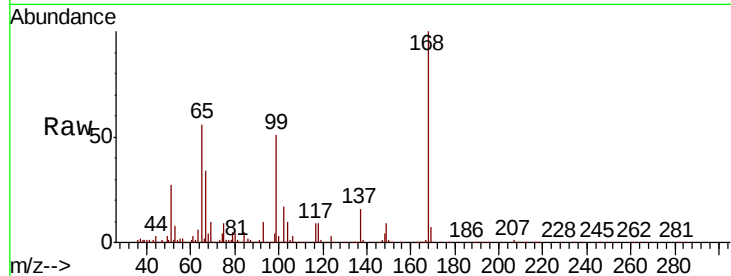
VSTDCCC050

Tot Ion: 65 Resp: 275207

Ion Ratio Lower Upper

65 100

67 60.4 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: VF062753.D

Acq: 28 May 2019 10:52

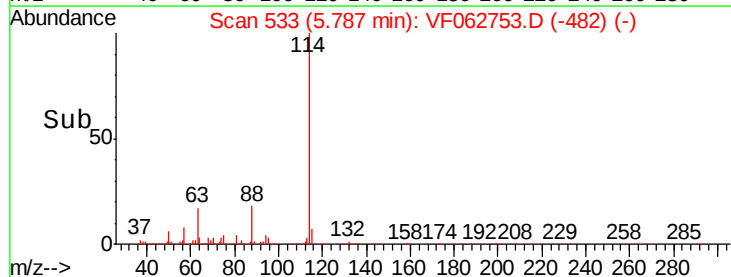
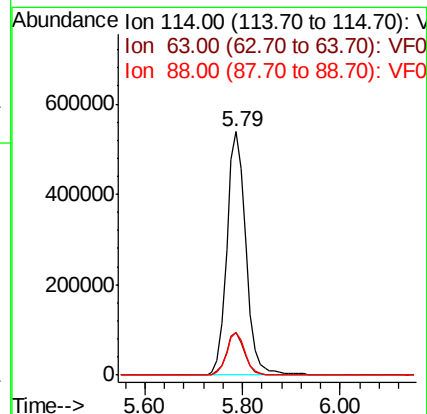
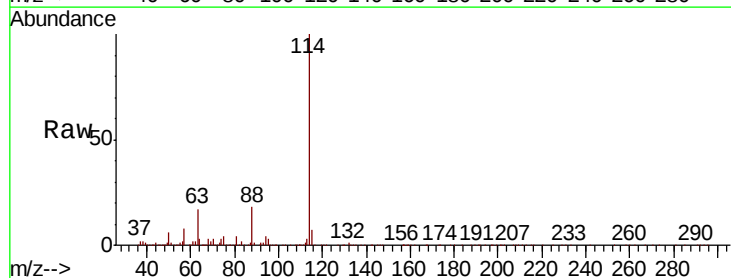
Tgt Ion: 114 Resp: 1459194

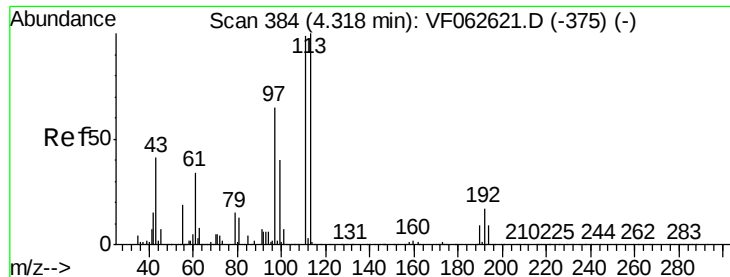
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 17.5 0.0 32.4

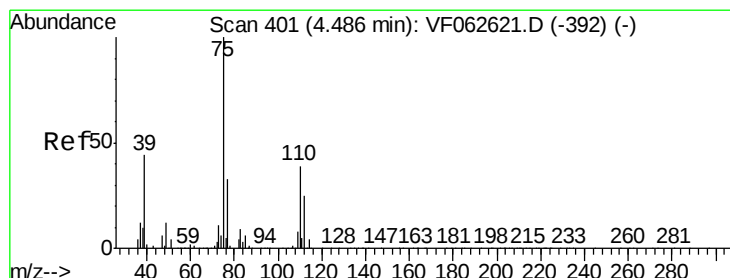
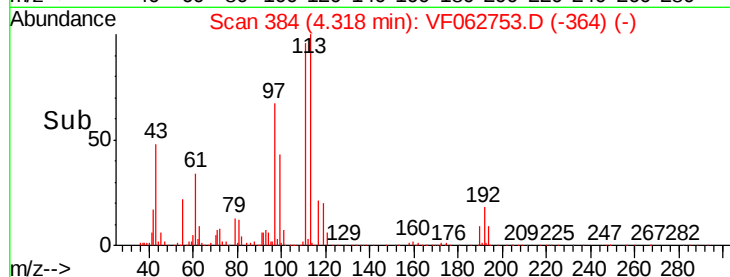
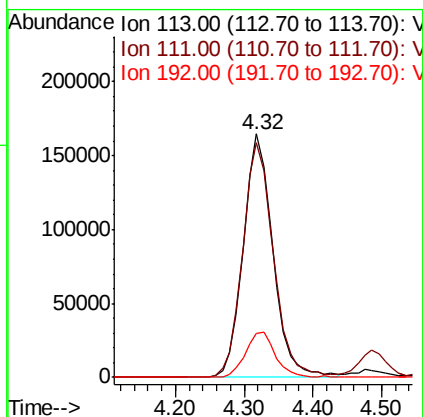
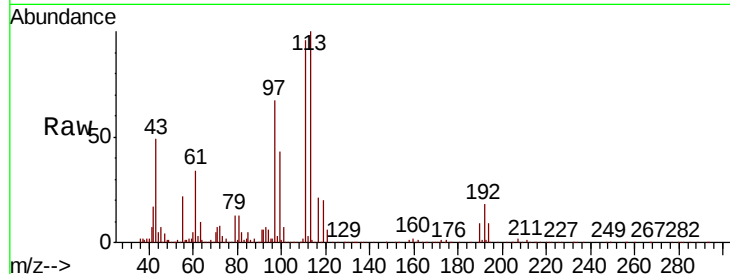




#35
 Dibromofluoromethane
 Concen: 44.043 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

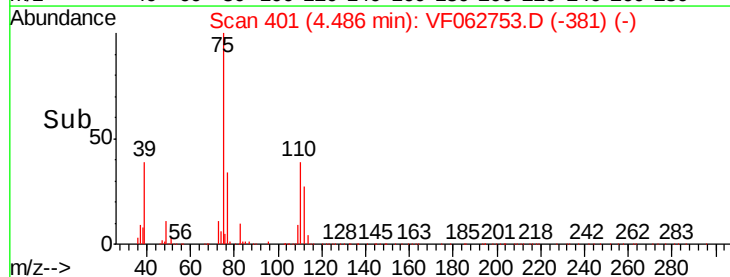
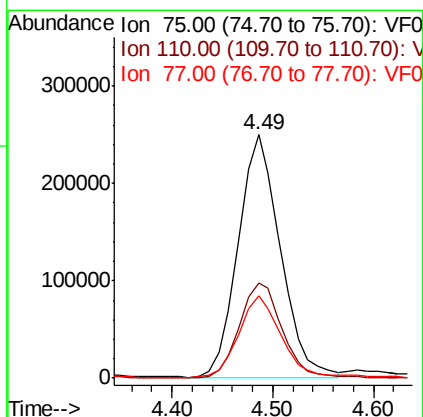
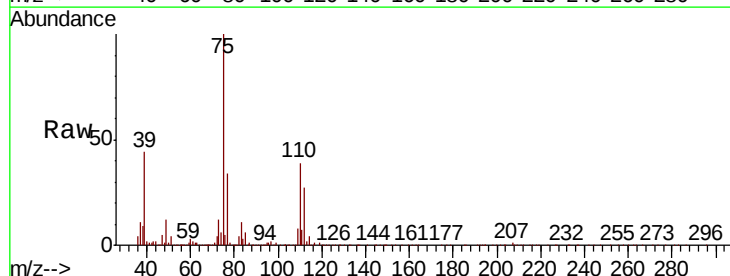
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 113 Resp: 491780
 Ion Ratio Lower Upper
 113 100
 111 96.3 79.4 119.2
 192 18.0 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 48.463 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion: 75 Resp: 724632
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.7 59.1
 77 34.0 26.3 39.5

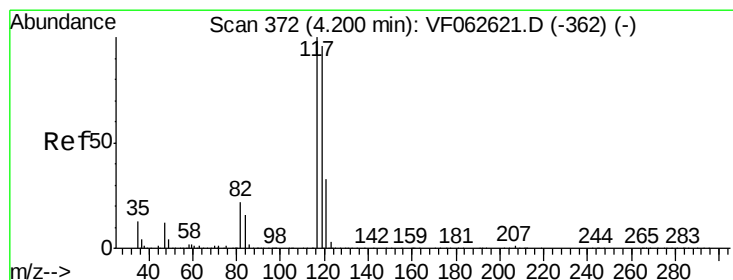
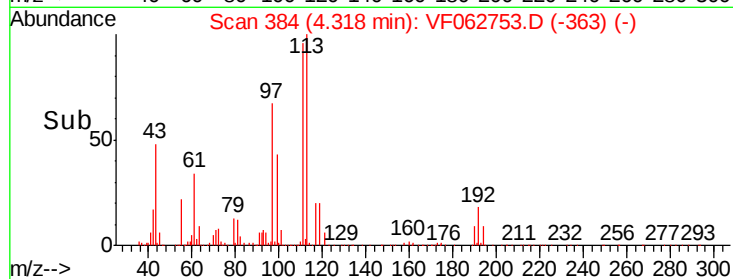
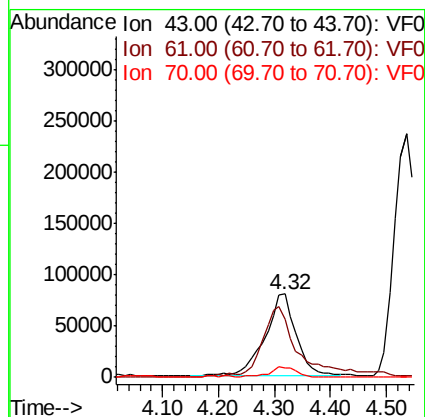
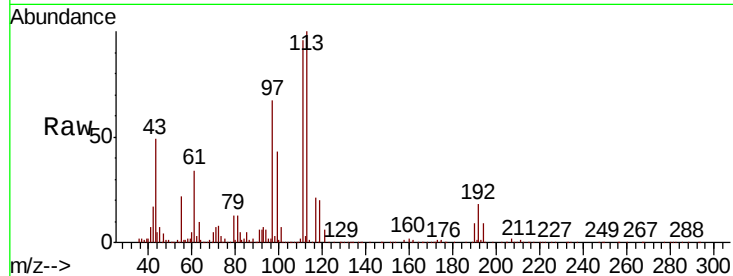




#37
Ethyl Acetate
Concen: 50.710 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

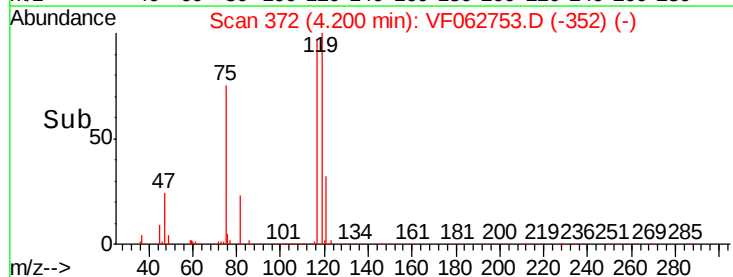
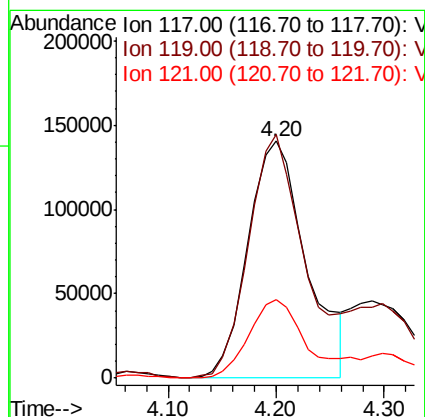
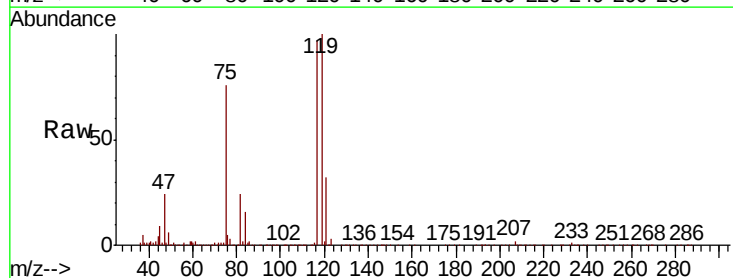
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

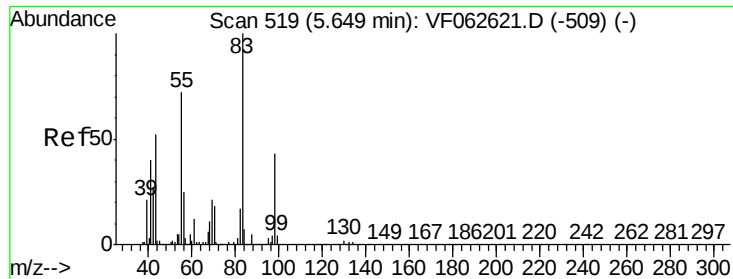
Tot Ion: 43 Resp: 309584
Ion Ratio Lower Upper
43 100
61 68.9 76.9 115.3#
70 10.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 46.888 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 117 Resp: 527266
Ion Ratio Lower Upper
117 100
119 102.9 76.7 115.1
121 33.0 26.6 40.0

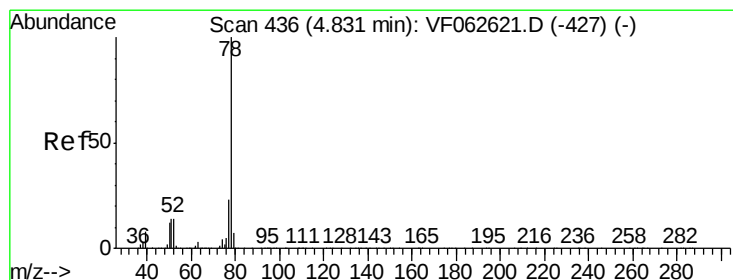
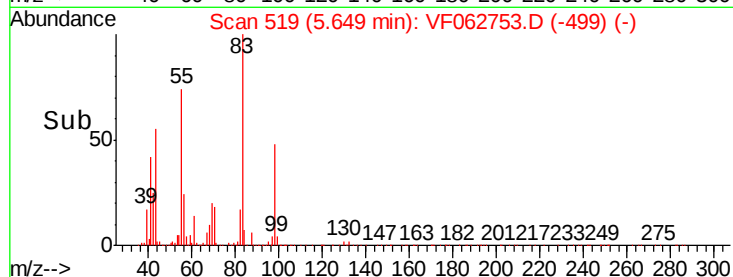
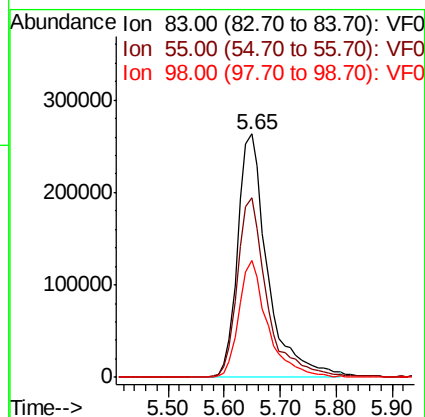
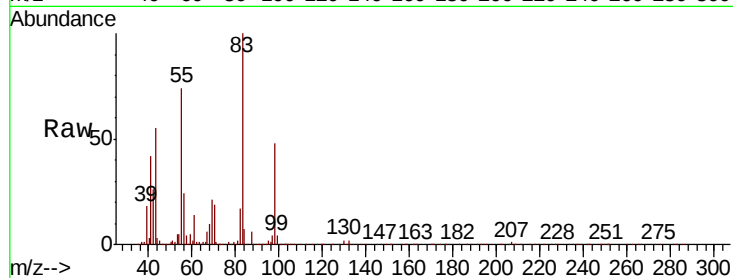




#39
Methvlcvclohexane
Concen: 54.254 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

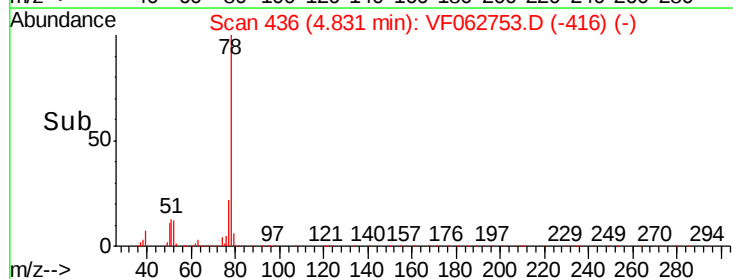
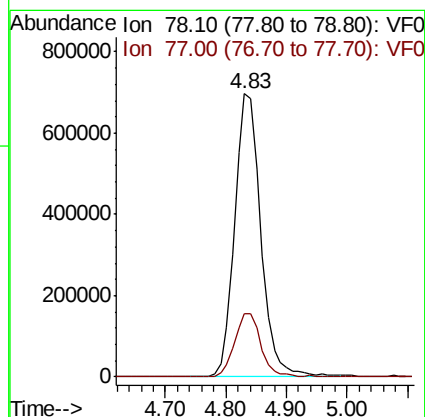
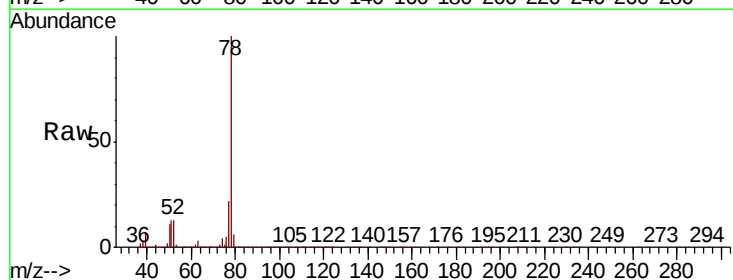
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

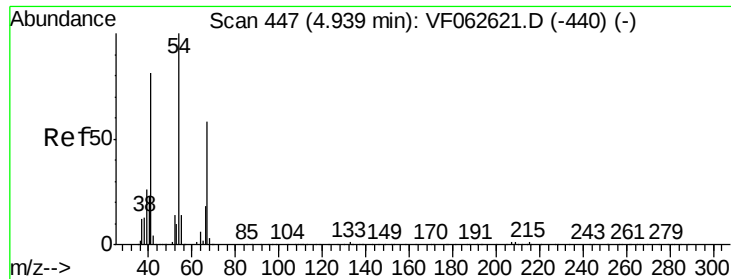
Tot Ion	83	Resp	976093
Ion Ratio	Lower	Upper	
83	100		
55	73.7	57.9	86.9
98	48.2	34.6	52.0



#40
Benzene
Concen: 51.454 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion	78	Resp	2095916
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.2	27.2

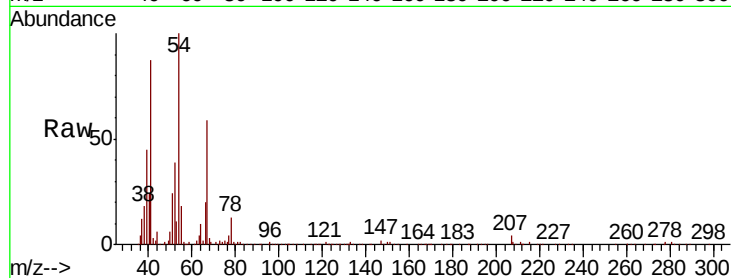




#41
Methacrylonitrile
Concen: 51.927 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	166201
Ion	Ratio	Lower	Upper
41	100		
39	51.5	42.2	63.2
67	67.3	56.4	84.6
52	44.6	38.8	58.2



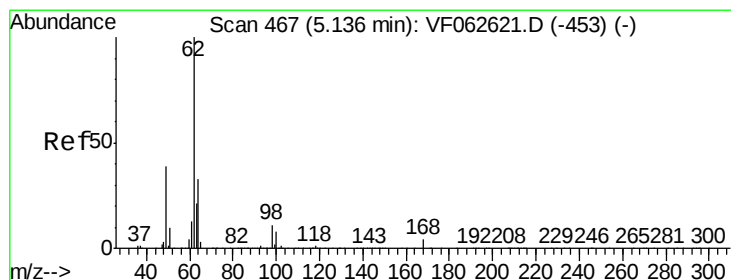
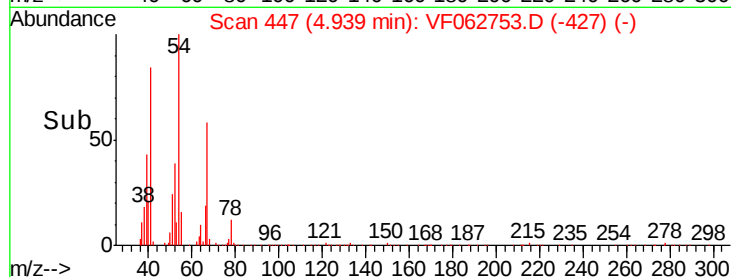
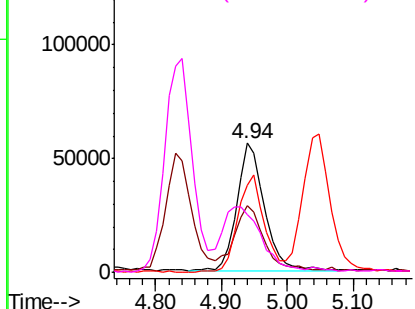
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

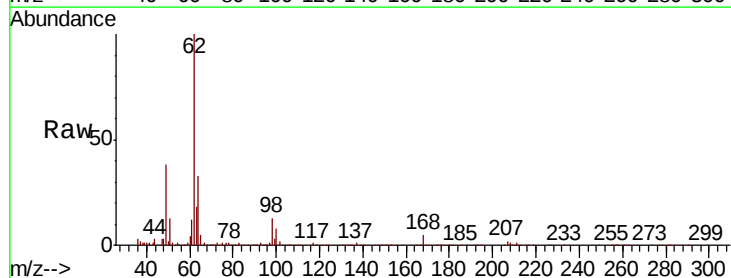
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 50.388 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

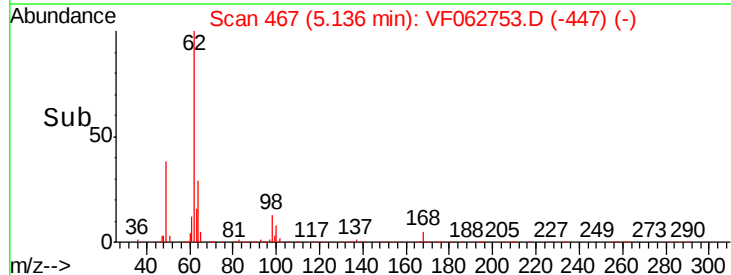
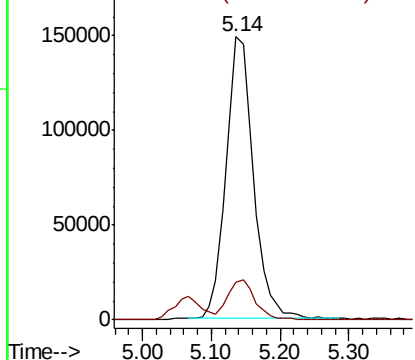
Tgt Ion:	62	Resp:	409298
Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	21.6

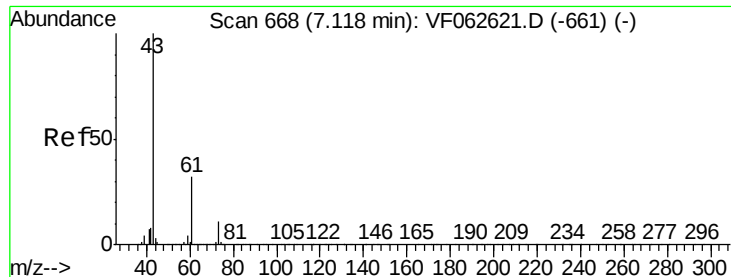


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 51.855 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

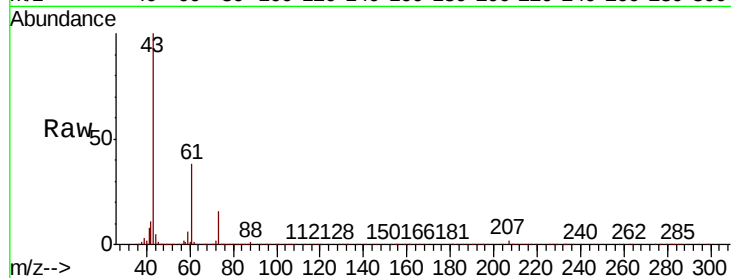
Tot Ion: 43 Resp: 410138

Ion Ratio Lower Upper

43 100

61 38.4 25.8 38.8

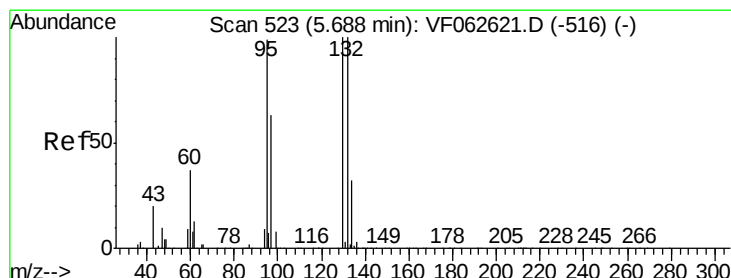
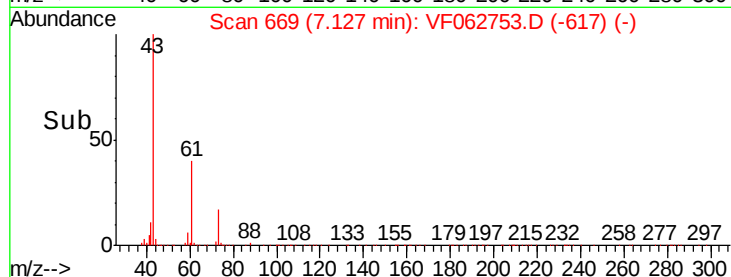
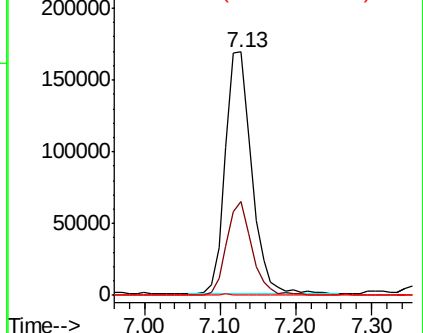
87 0.4 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 54.542 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062753.D

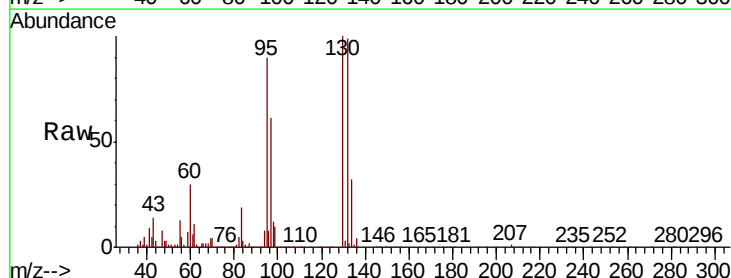
Acq: 28 May 2019 10:52

Tgt Ion: 130 Resp: 624419

Ion Ratio Lower Upper

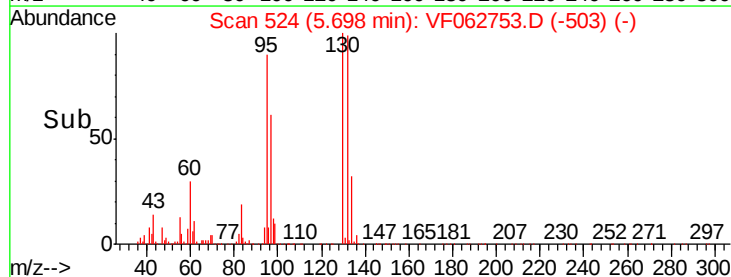
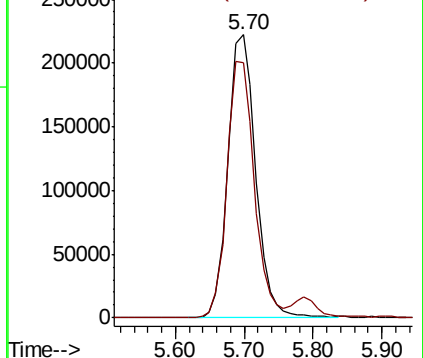
130 100

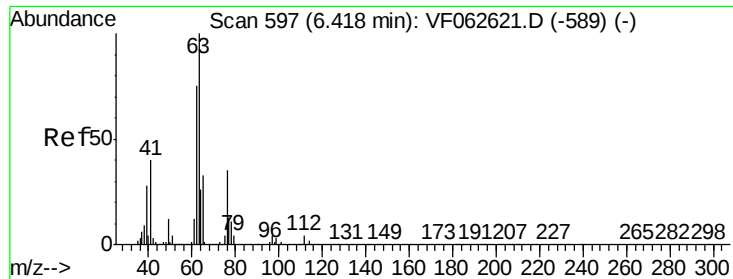
95 90.3 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.577 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

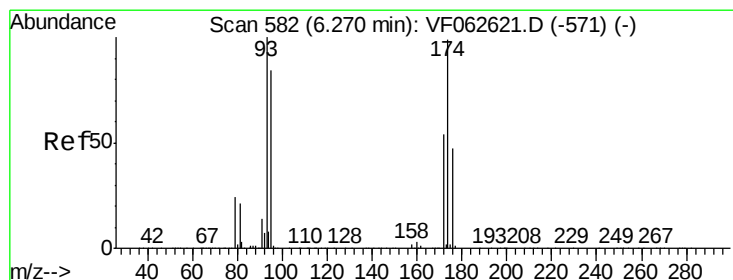
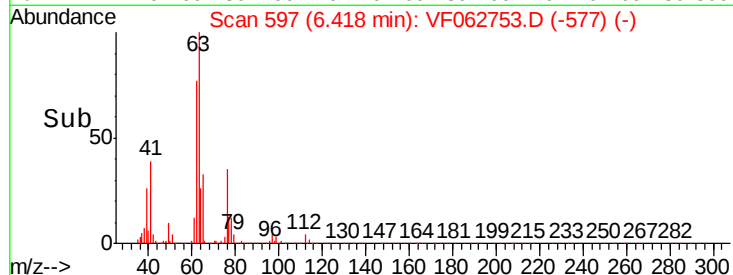
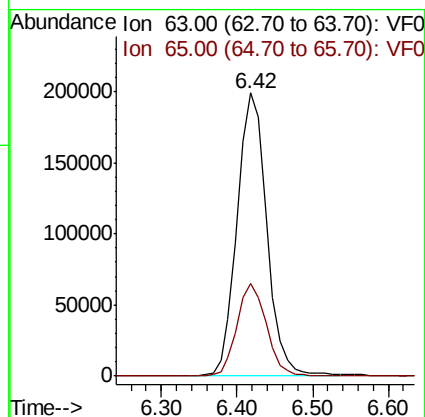
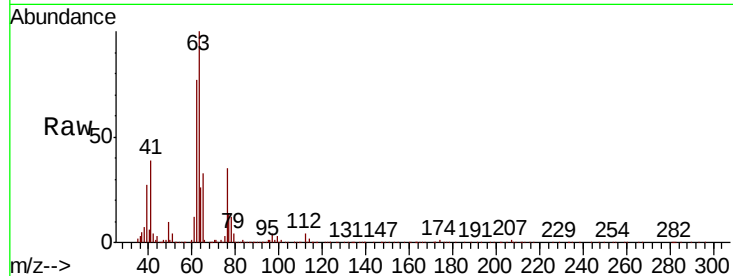
VSTDCCC050

Tot Ion: 63 Resp: 540634

Ion Ratio Lower Upper

63 100

65 32.9 26.3 39.5



#46

Dibromomethane

Concen: 55.357 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

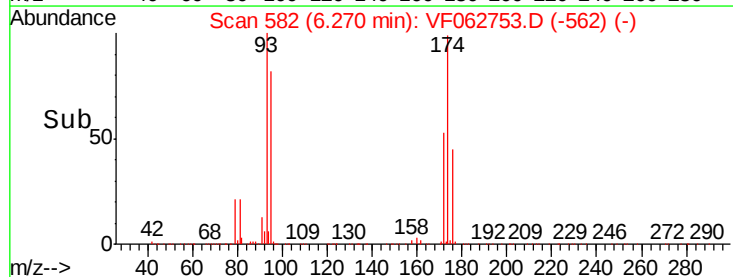
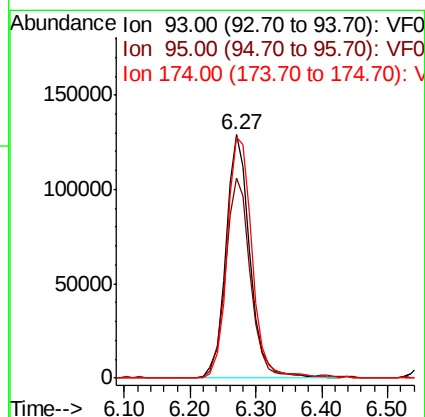
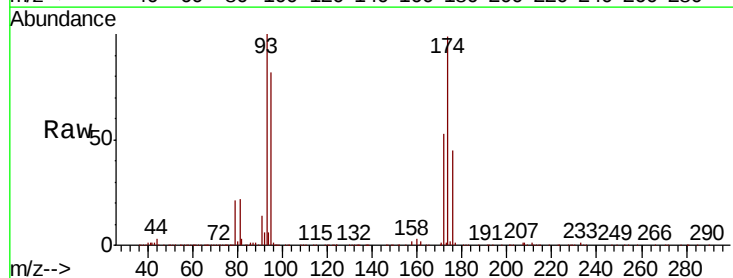
Tgt Ion: 93 Resp: 328968

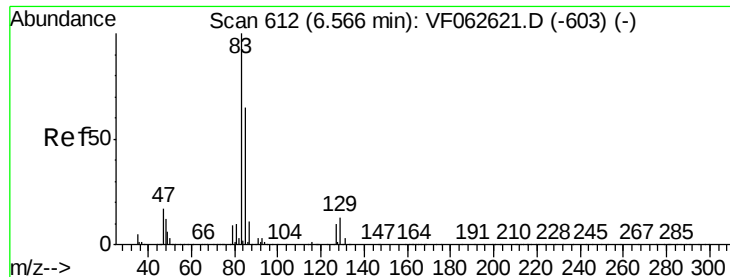
Ion Ratio Lower Upper

93 100

95 82.1 67.4 101.2

174 98.8 79.4 119.2





#47

Bromodichloromethane

Concen: 55.645 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

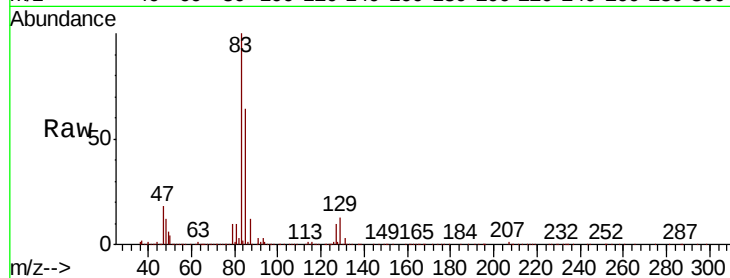
Tot Ion: 83 Resp: 686492

Ion Ratio Lower Upper

83 100

85 64.5 52.0 78.0

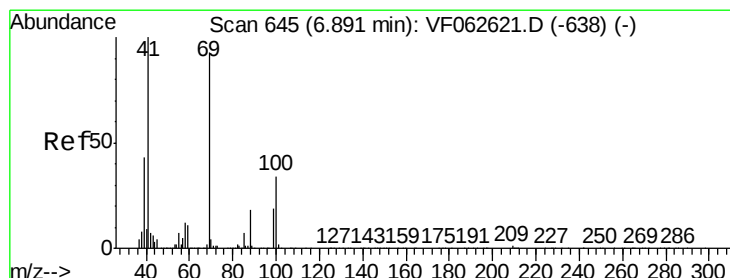
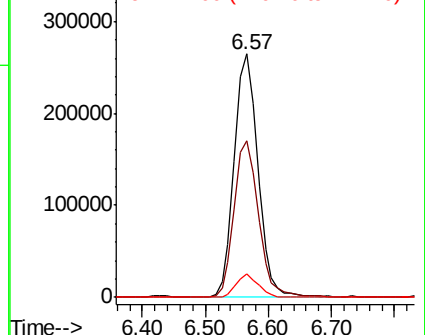
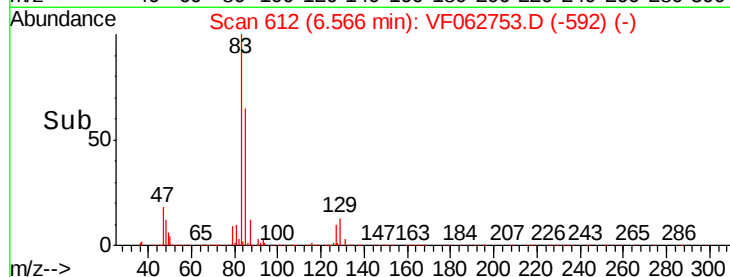
127 9.8 7.7 11.5



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: 52.476 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

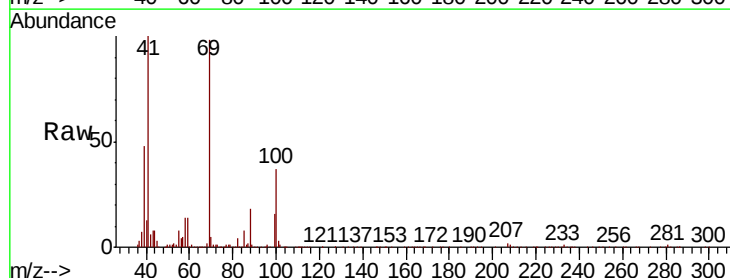
Tgt Ion: 41 Resp: 216939

Ion Ratio Lower Upper

41 100

69 98.5 74.2 111.2

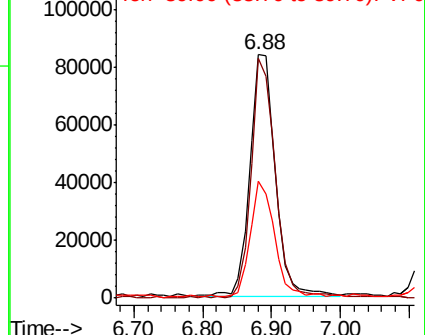
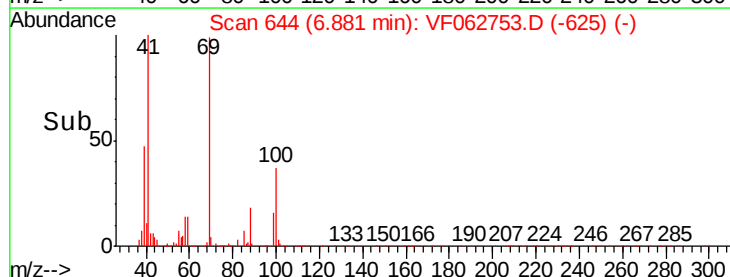
39 48.1 34.2 51.4

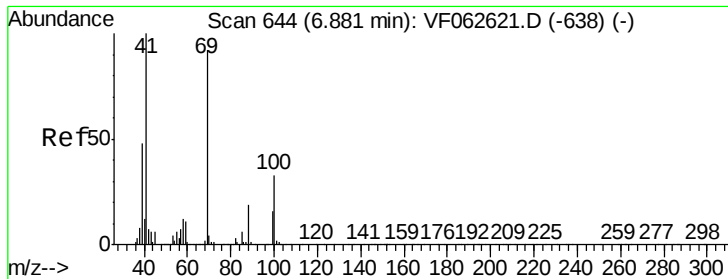


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

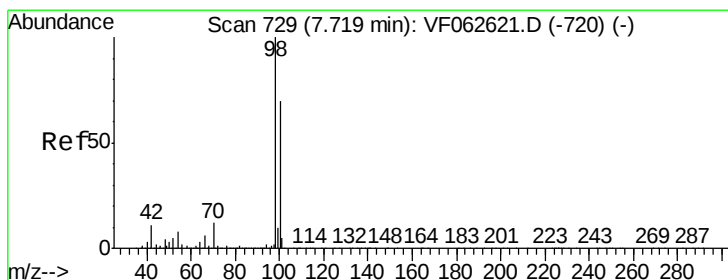
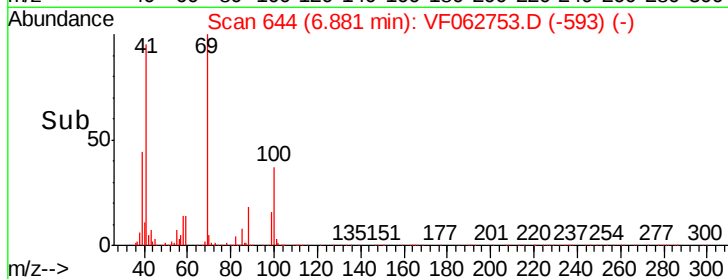
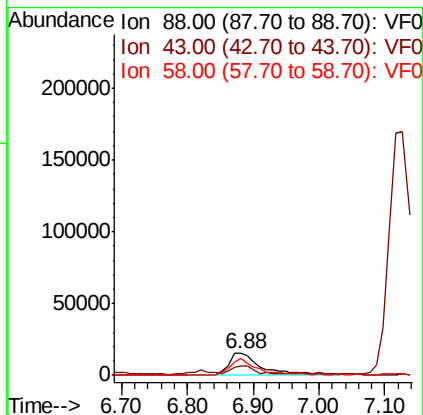
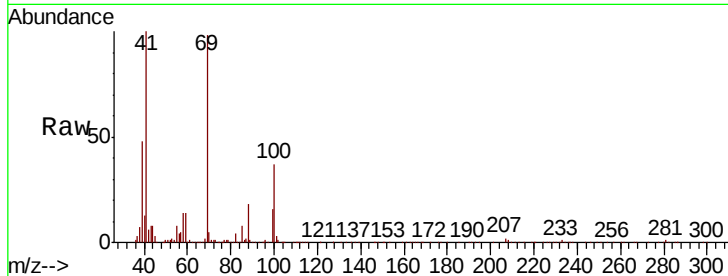




#49
1,4-Dioxane
Concen: 1015.835 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

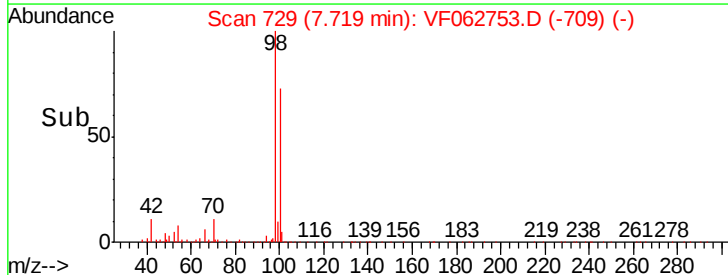
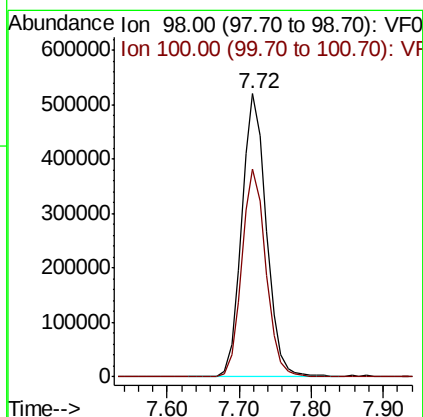
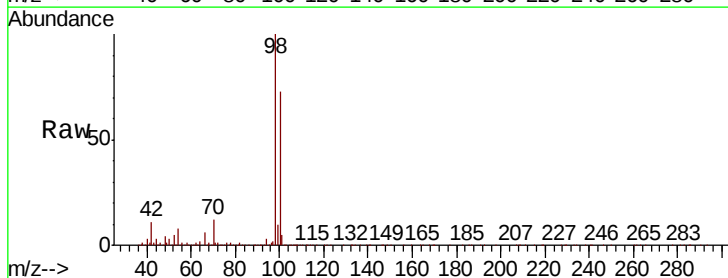
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

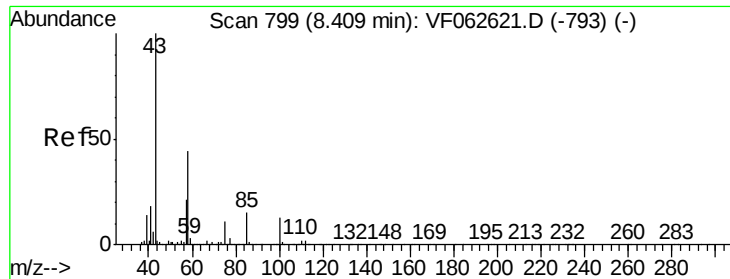
Tot Ion: 88 Resp: 53787
Ion Ratio Lower Upper
88 100
43 45.8 30.0 45.0#
58 77.4 51.1 76.7#



#50
Toluene-d8
Concen: 46.627 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 98 Resp: 1243052
Ion Ratio Lower Upper
98 100
100 73.4 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 274.160 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

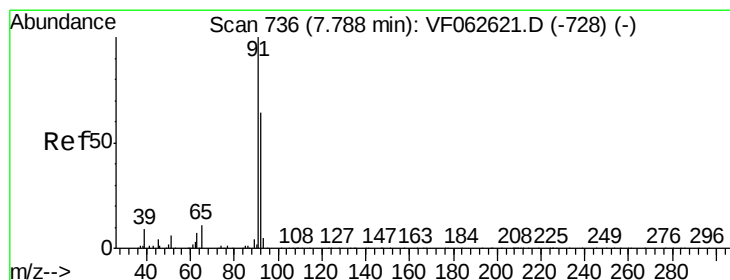
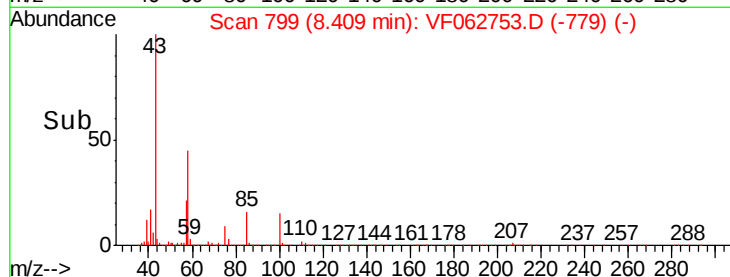
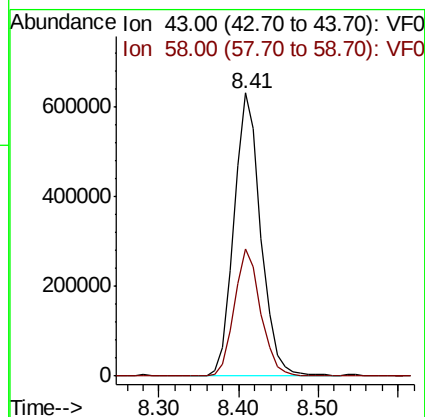
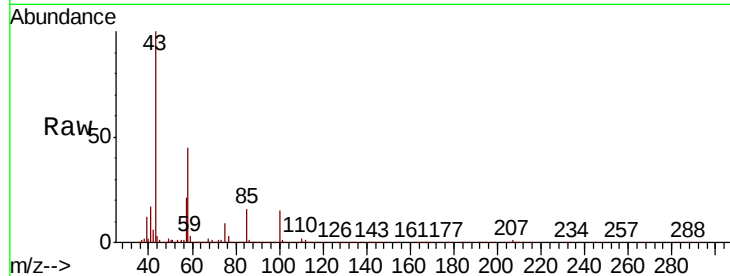
VSTDCCC050

Tot Ion: 43 Resp: 1482189

Ion Ratio Lower Upper

43 100

58 44.9 34.9 52.3



#52

Toluene

Concen: 53.767 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062753.D

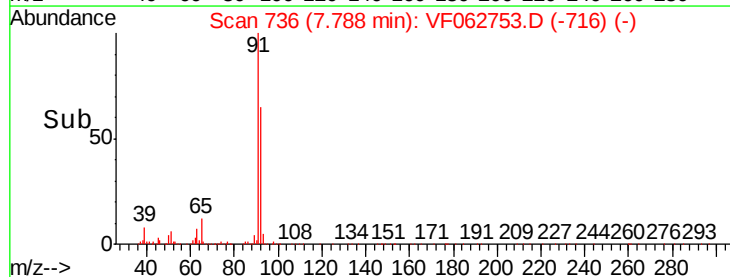
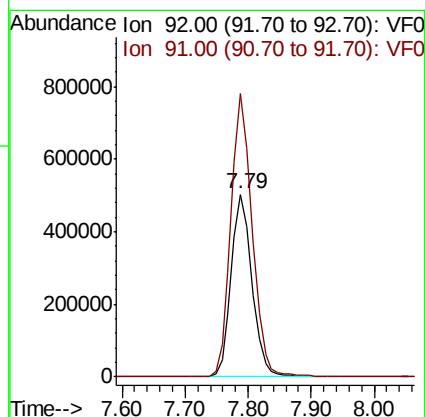
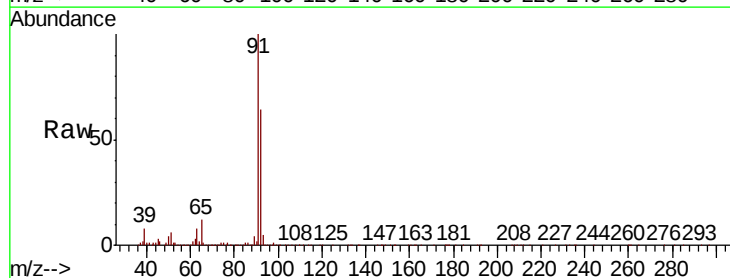
Acq: 28 May 2019 10:52

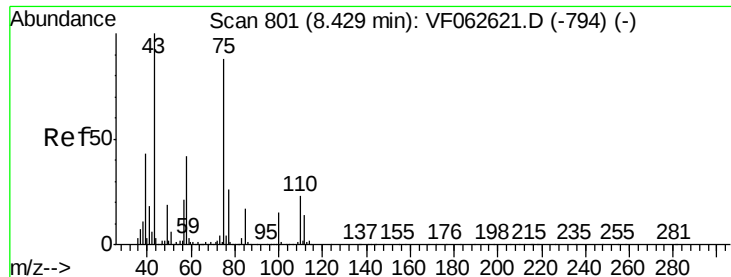
Tgt Ion: 92 Resp: 1148620

Ion Ratio Lower Upper

92 100

91 155.2 125.4 188.0

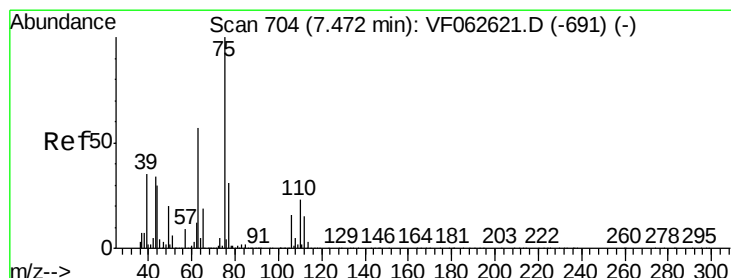
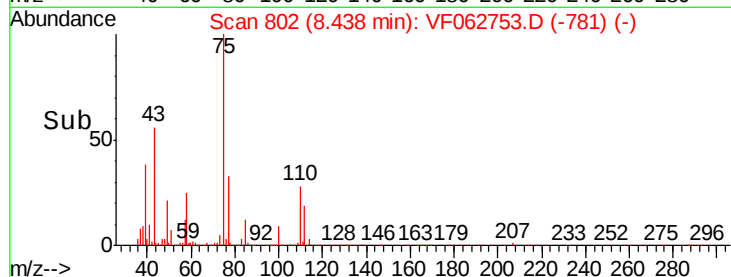
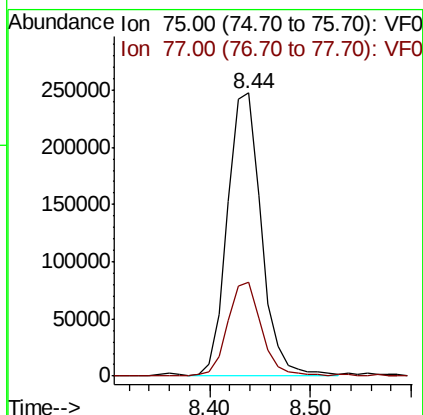
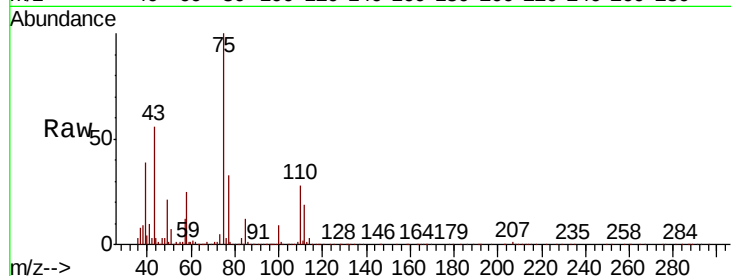




#53
t-1,3-Dichloropropene
Concen: 56.821 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

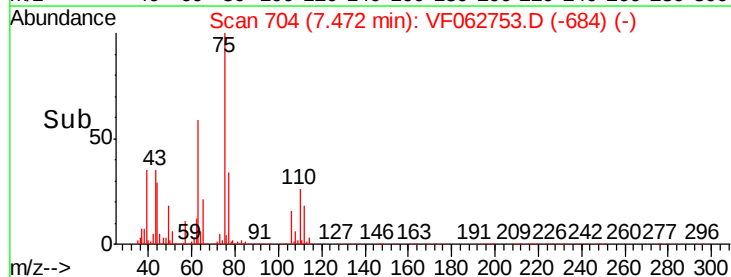
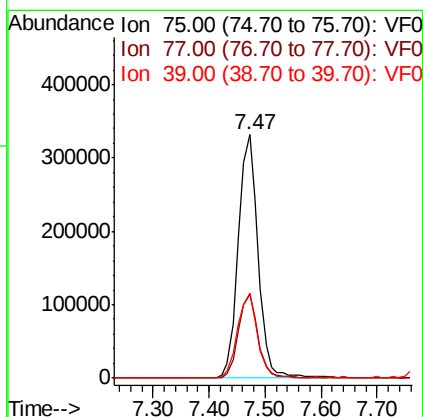
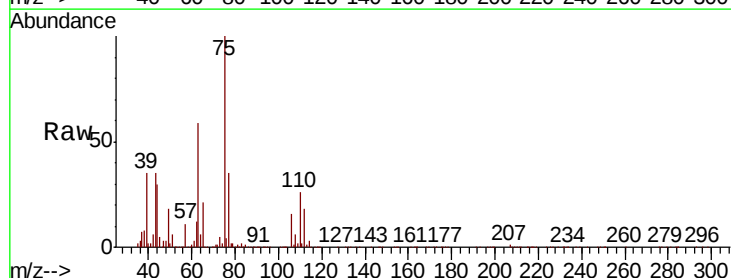
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

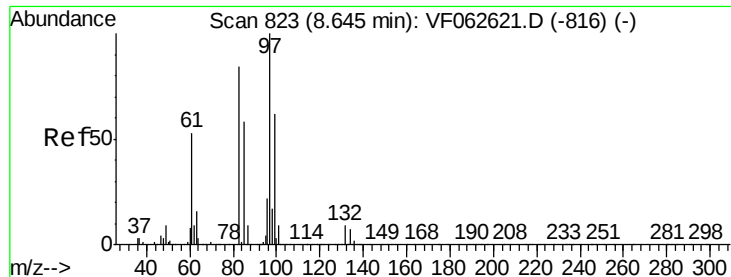
Tot Ion: 75 Resp: 573498
Ion Ratio Lower Upper
75 100
77 33.4 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 57.668 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 75 Resp: 814768
Ion Ratio Lower Upper
75 100
77 34.6 25.3 37.9
39 34.8 28.2 42.2

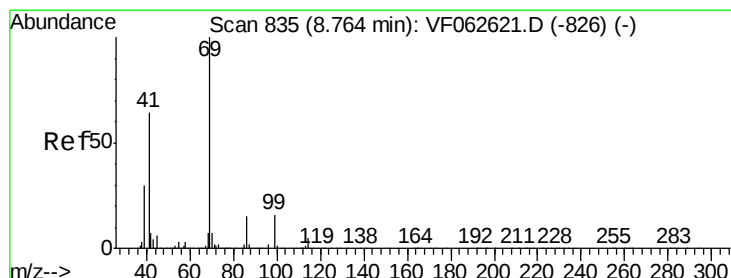
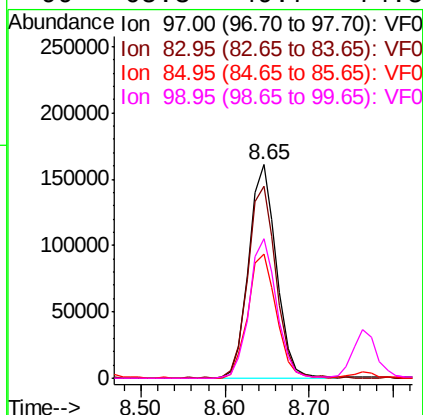
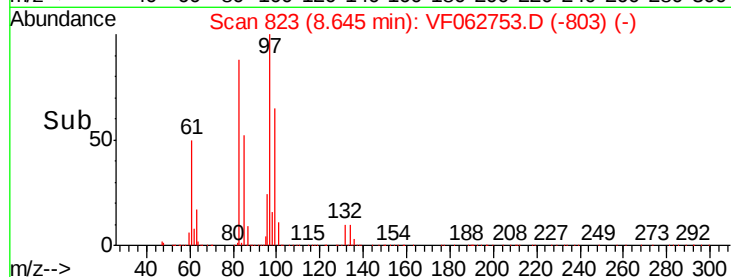
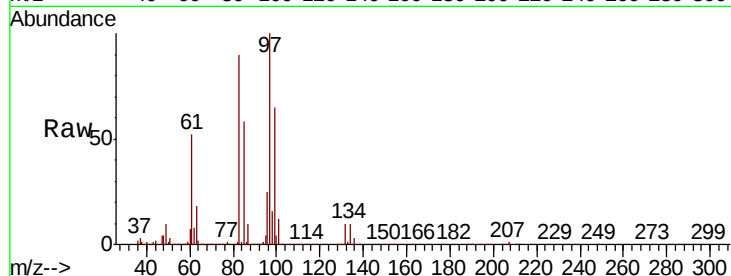




#55
 1,1,2-Trichloroethane
 Concen: 58.729 ug/l
 RT: 8.65 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

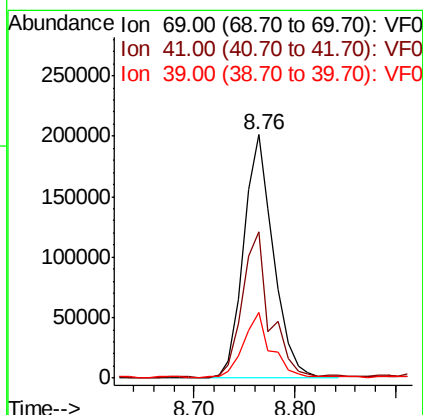
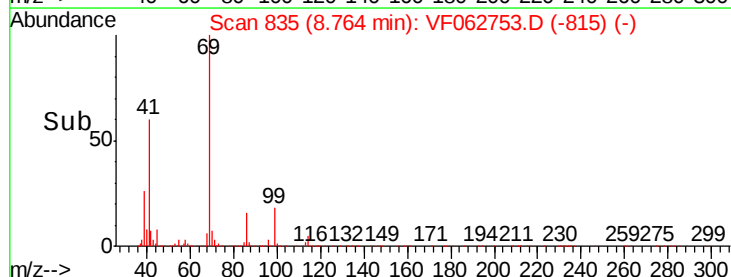
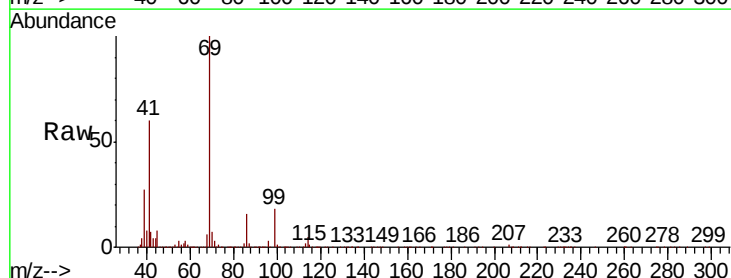
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

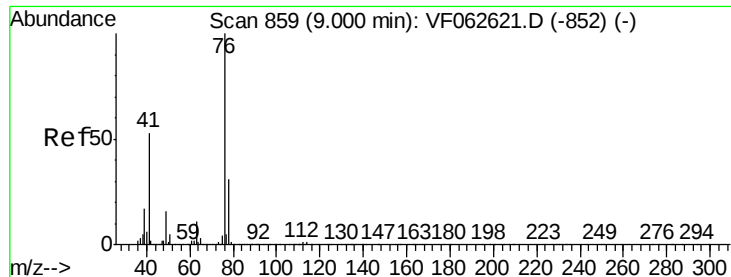
Tot Ion:	97	Resp:	371473
Ion	Ratio	Lower	Upper
97	100		
83	90.2	67.3	100.9
85	57.9	46.6	69.8
99	65.3	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 54.936 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion:	69	Resp:	413982
Ion	Ratio	Lower	Upper
69	100		
41	60.0	51.4	77.2
39	26.9	23.6	35.4





#57

1,3-Dichloropropane

Concen: 56.552 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

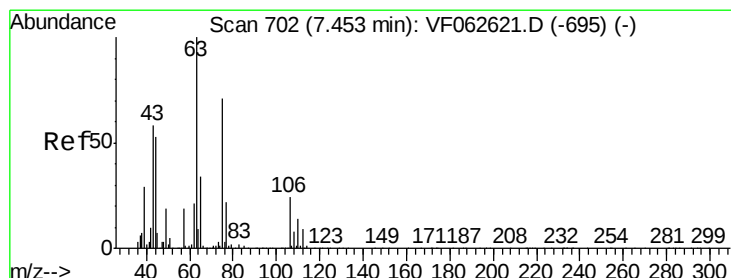
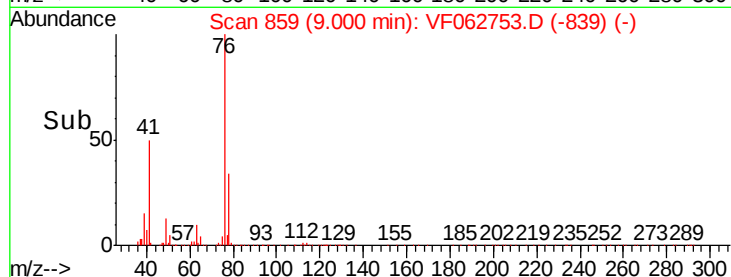
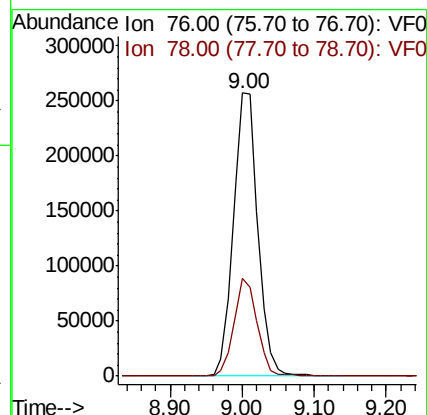
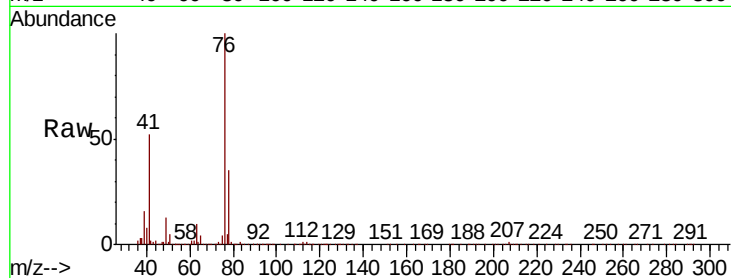
VSTDCCC050

Tot Ion: 76 Resp: 609281

Ion Ratio Lower Upper

76 100

78 34.5 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 279.906 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062753.D

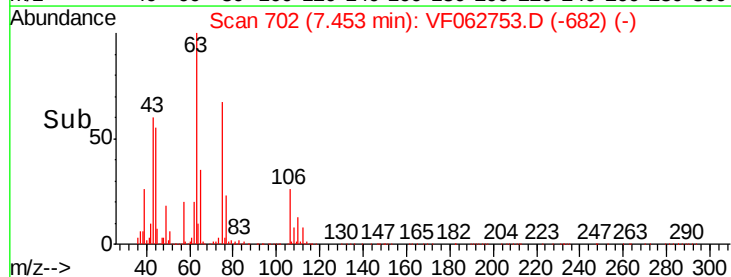
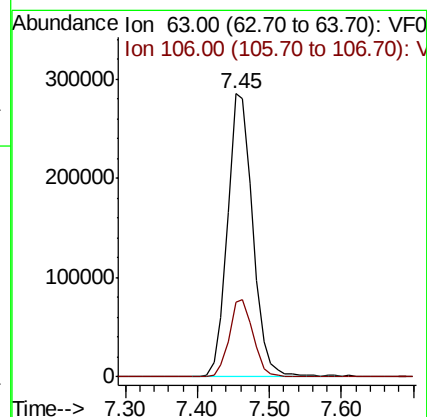
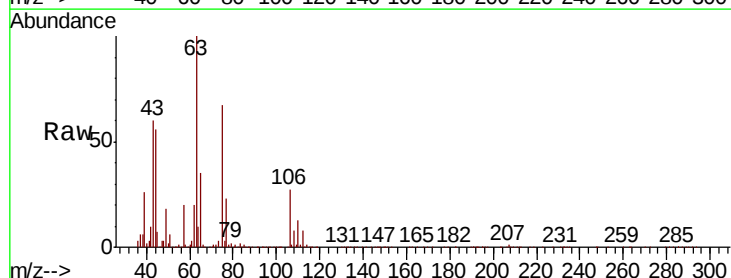
Acq: 28 May 2019 10:52

Tgt Ion: 63 Resp: 686575

Ion Ratio Lower Upper

63 100

106 26.5 19.1 28.7

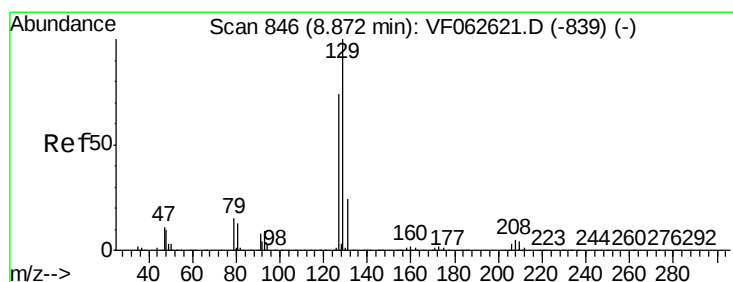
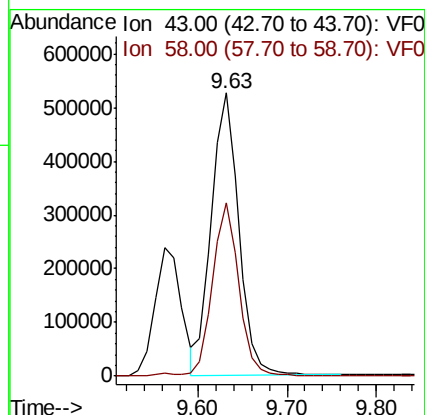
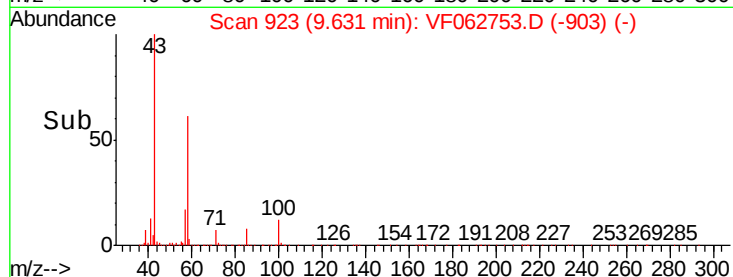
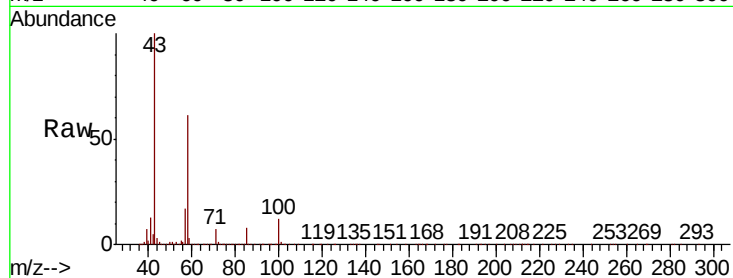




#59
2-Hexanone
Concen: 326.277 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

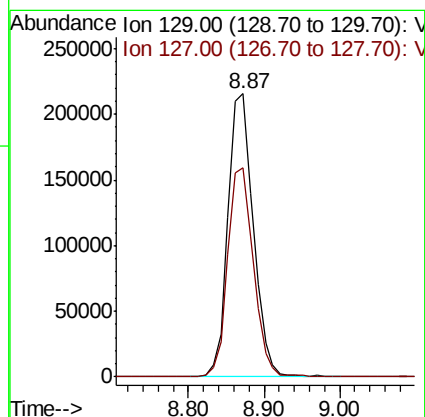
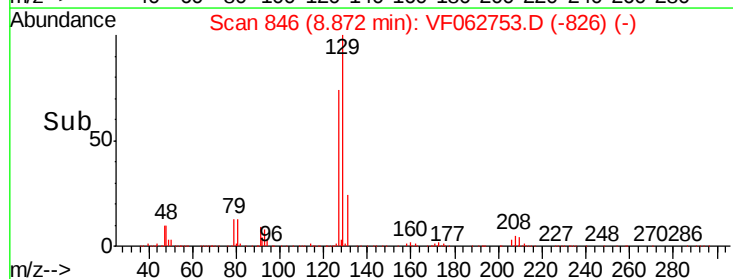
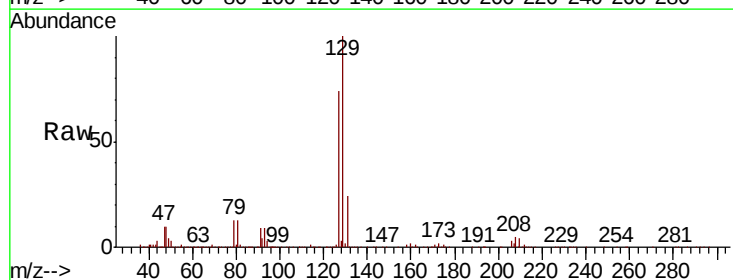
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

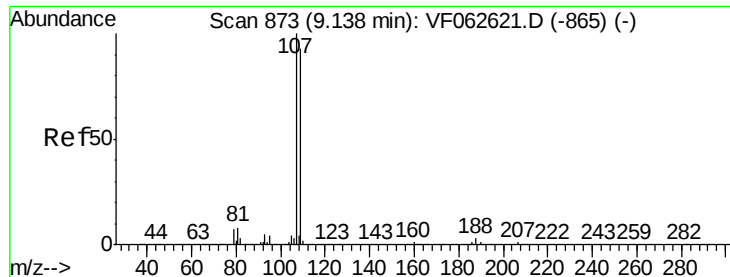
Tot Ion: 43 Resp: 1128518
Ion Ratio Lower Upper
43 100
58 61.4 28.1 84.4



#60
Dibromochloromethane
Concen: 60.484 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion: 129 Resp: 498621
Ion Ratio Lower Upper
129 100
127 74.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 58.079 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

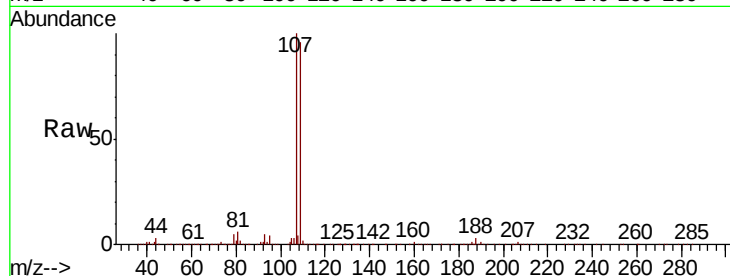
VSTDCCC050

Tot Ion:107 Resp: 390193

Ion Ratio Lower Upper

107 100

109 95.7 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

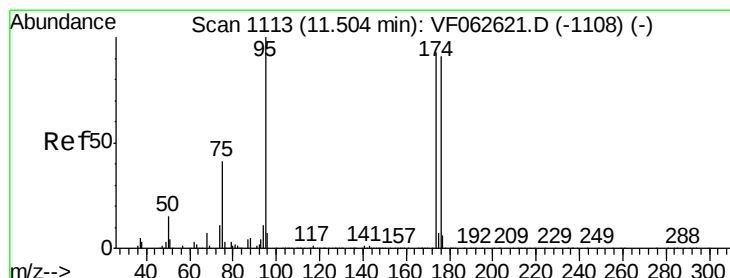
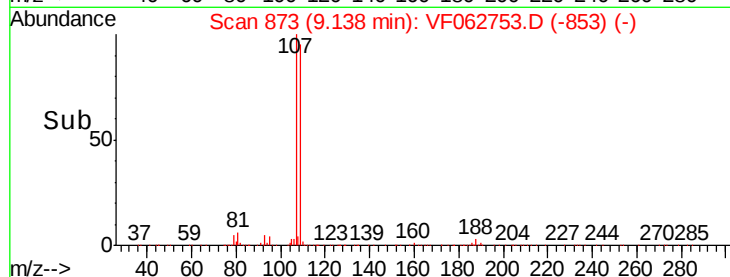
100000

50000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 45.498 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

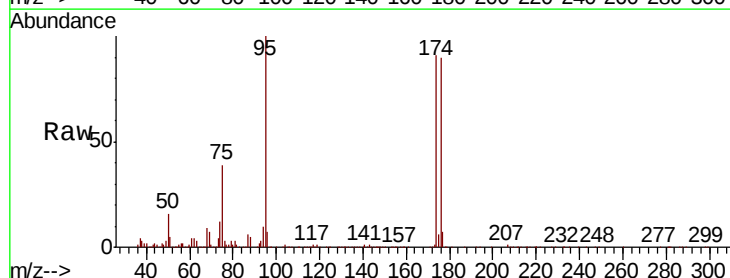
Tgt Ion: 95 Resp: 460039

Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.6

176 89.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

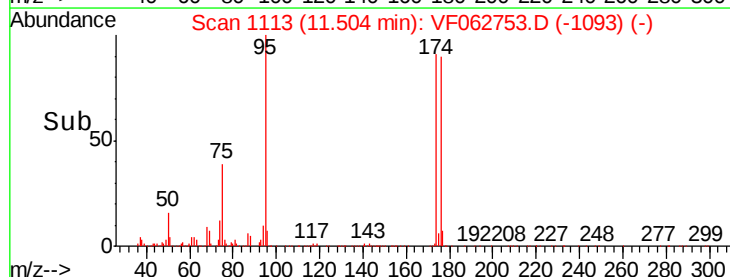
200000

100000

0

11.40 11.50 11.60

Time-->

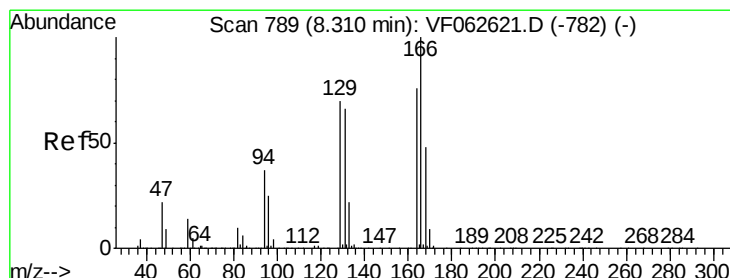
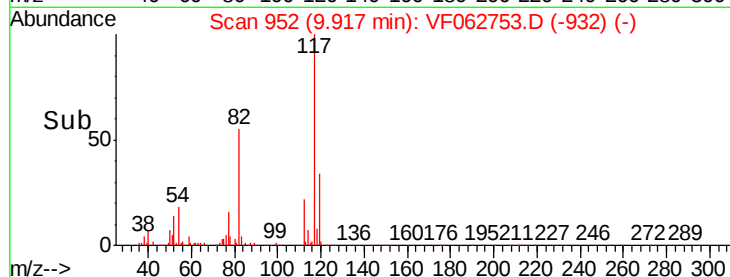
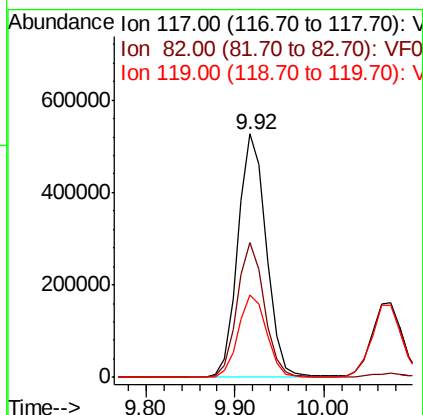
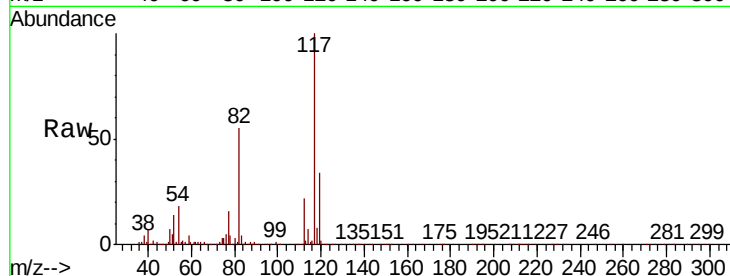




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

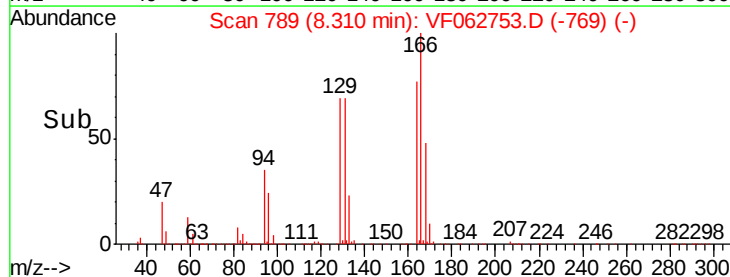
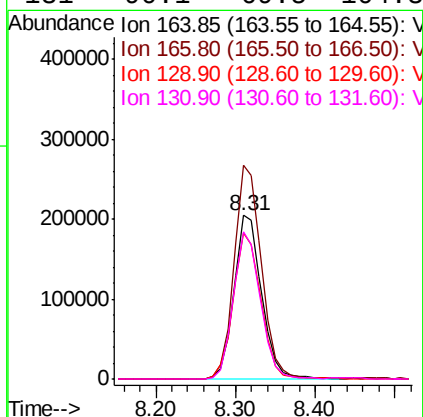
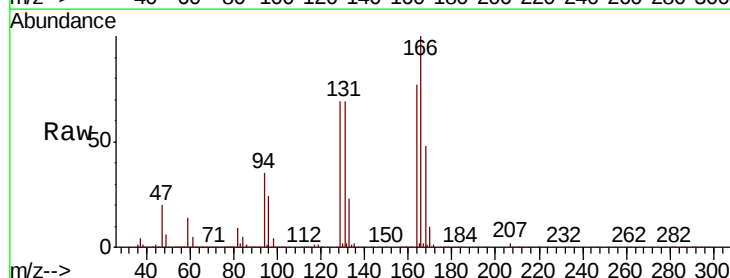
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

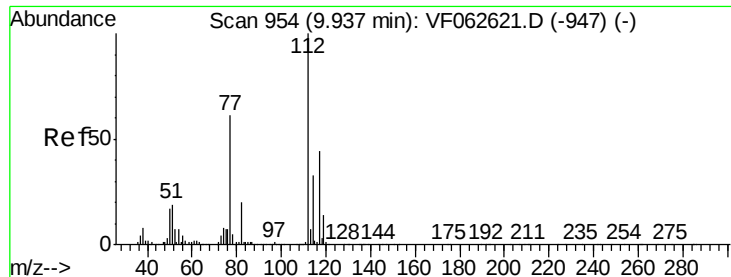
Tot Ion:117 Resp: 1166327
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 33.8 27.4 41.0



#64
Tetrachloroethene
Concen: 53.428 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion:164 Resp: 493669
Ion Ratio Lower Upper
164 100
166 130.6 105.5 158.3
129 89.5 73.8 110.6
131 90.1 69.5 104.3

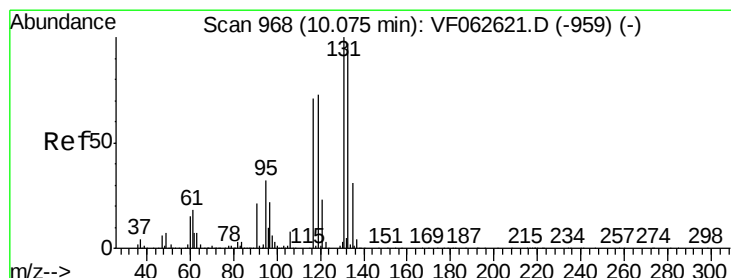
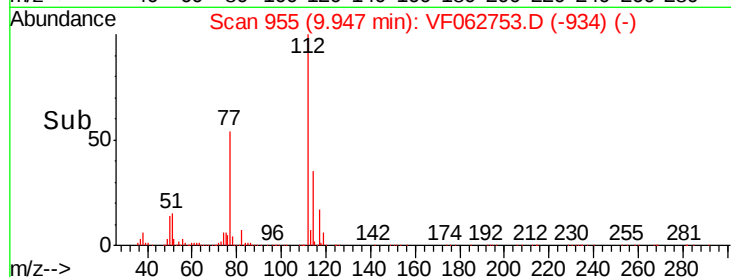
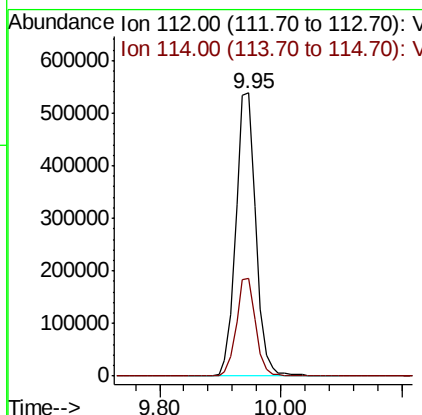
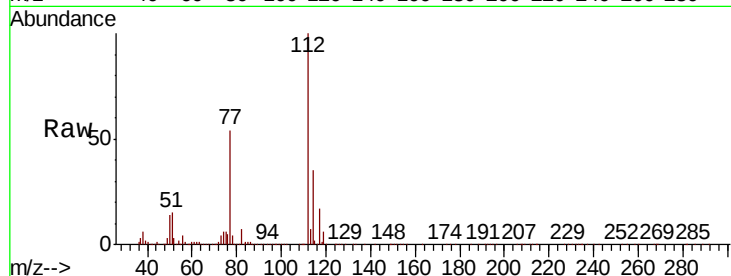




#65
Chlorobenzene
Concen: 53.833 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

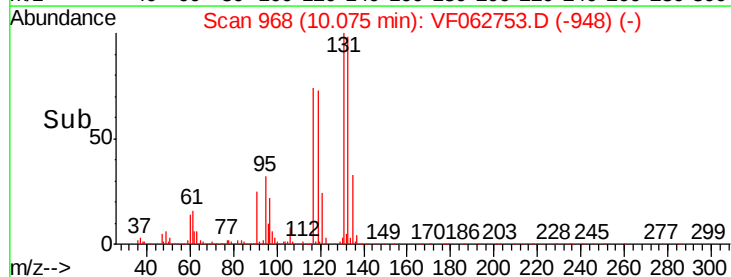
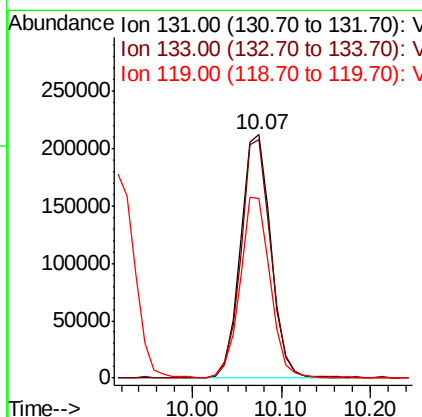
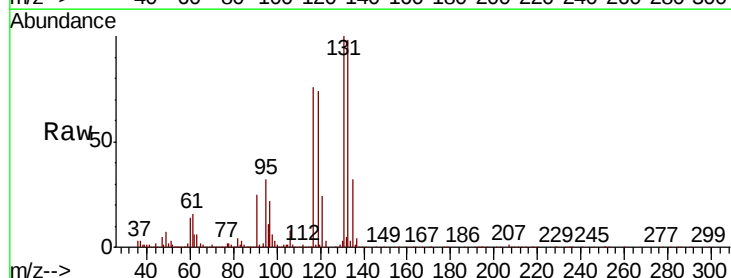
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

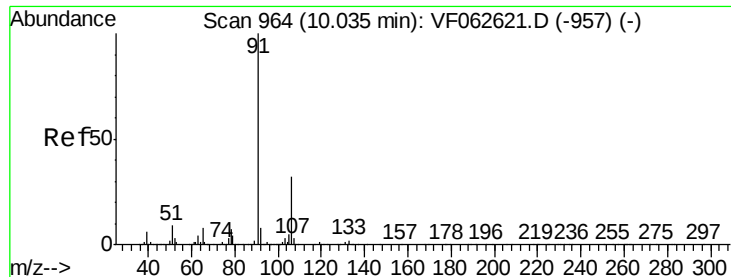
Tot Ion:112 Resp: 1233201
Ion Ratio Lower Upper
112 100
114 34.7 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.113 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion:131 Resp: 497635
Ion Ratio Lower Upper
131 100
133 98.1 48.5 145.5
119 73.8 36.8 110.4





#67

Ethyl Benzene

Concen: 50.617 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

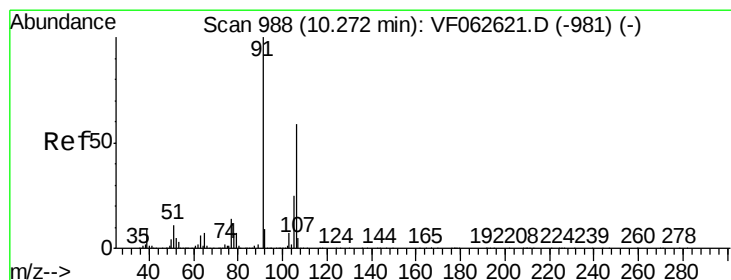
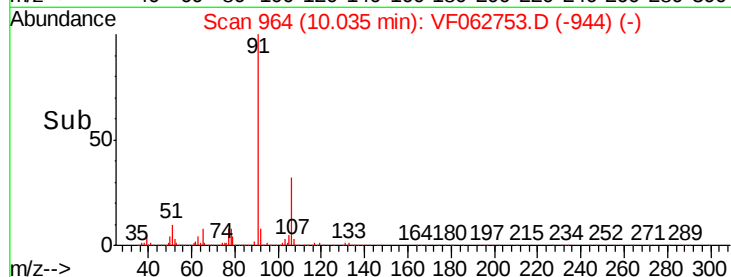
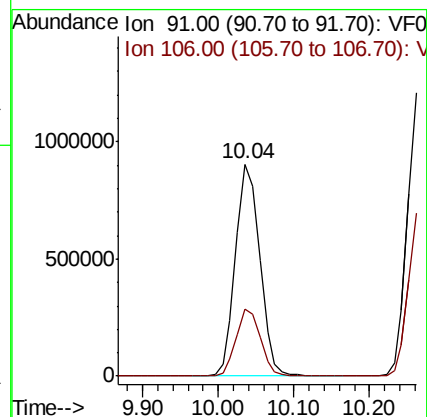
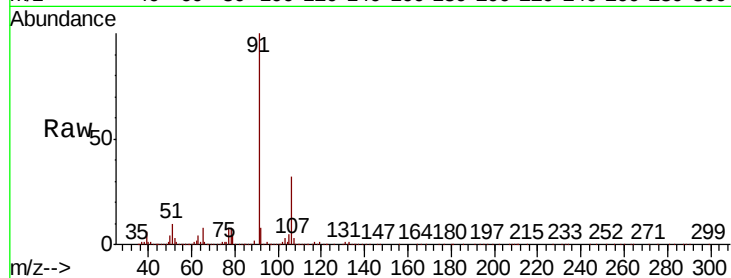
VSTDCCC050

Tot Ion: 91 Resp: 2014349

Ion Ratio Lower Upper

91 100

106 31.9 25.8 38.8



#68

m/p-Xylenes

Concen: 103.756 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062753.D

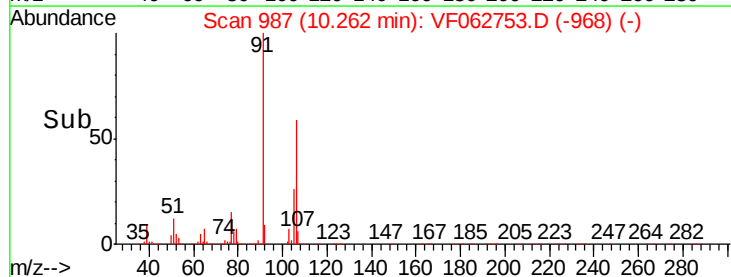
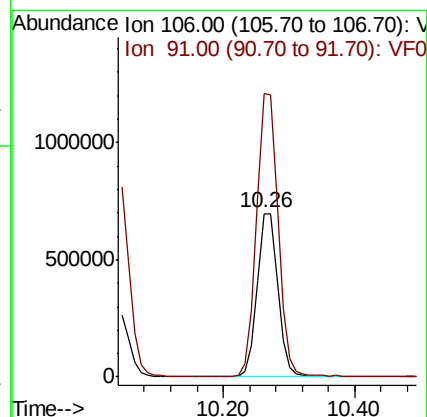
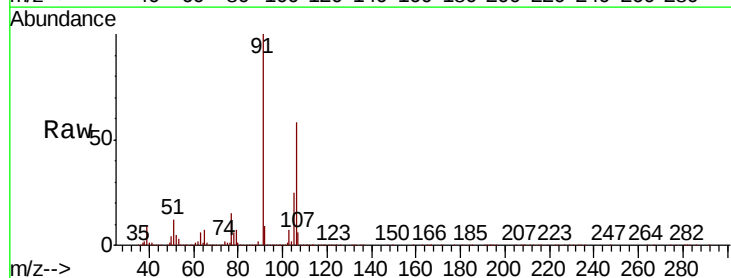
Acq: 28 May 2019 10:52

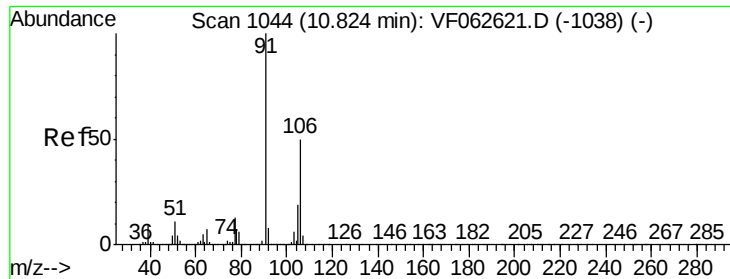
Tgt Ion: 106 Resp: 1551886

Ion Ratio Lower Upper

106 100

91 173.1 136.9 205.3

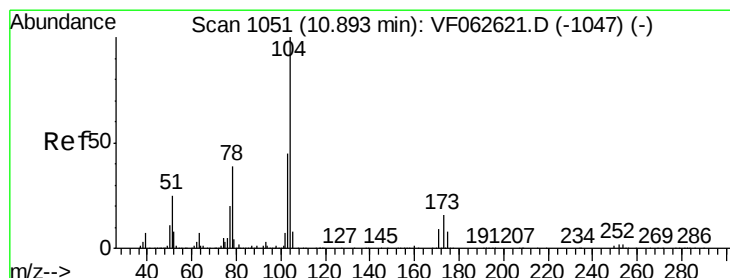
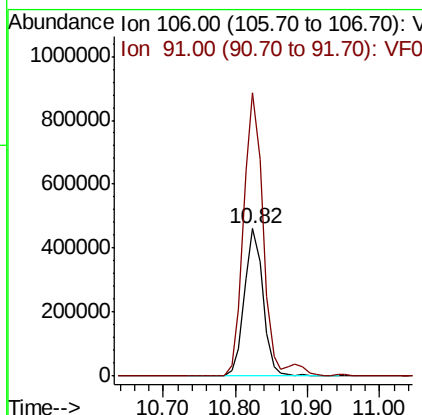
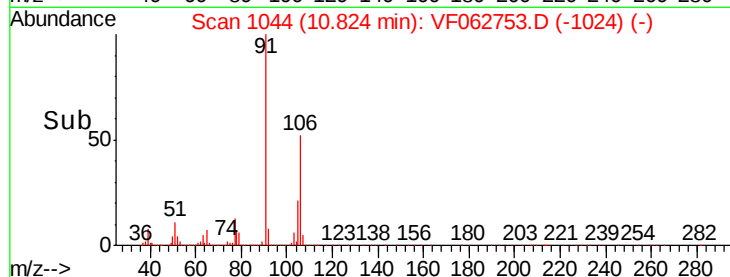
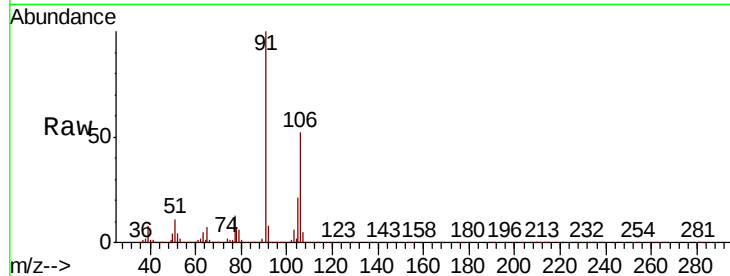




#69
o-Xylene
Concen: 54.447 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

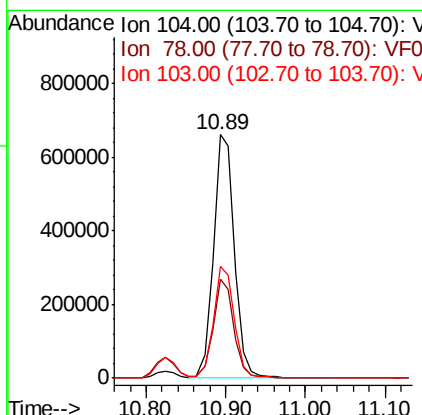
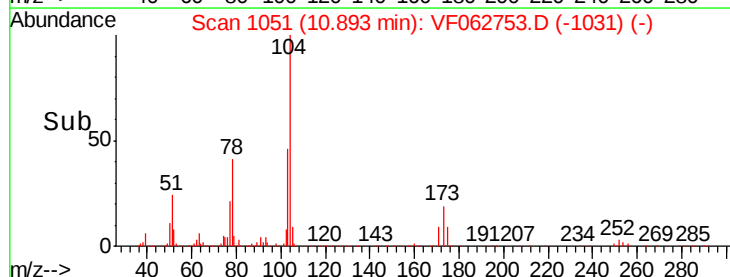
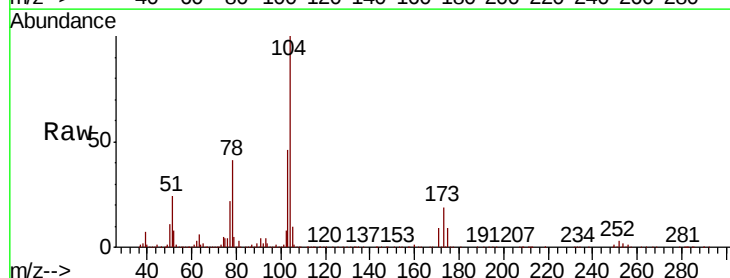
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

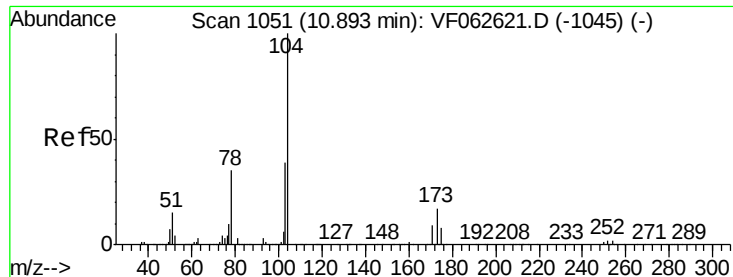
Tot Ion:106 Resp: 838808
Ion Ratio Lower Upper
106 100
91 192.2 100.2 300.5



#70
Styrene
Concen: 52.303 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion:104 Resp: 1224714
Ion Ratio Lower Upper
104 100
78 40.8 31.9 47.9
103 45.7 36.1 54.1





#71

Bromoform

Concen: 60.448 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

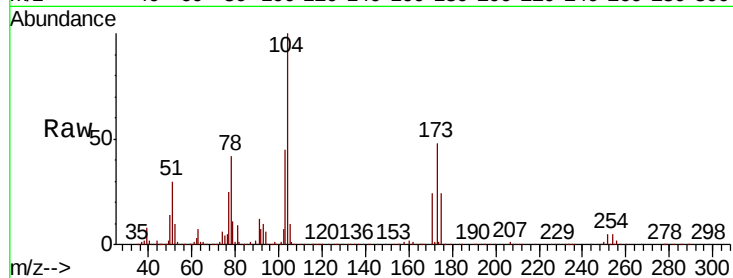
Tot Ion:173 Resp: 278411

Ion Ratio Lower Upper

173 100

175 50.4 25.3 75.9

254 0.2 0.2 0.2

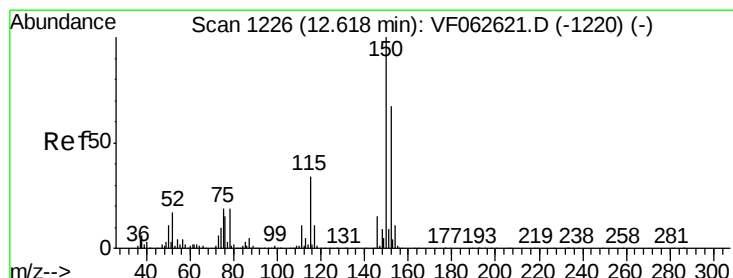
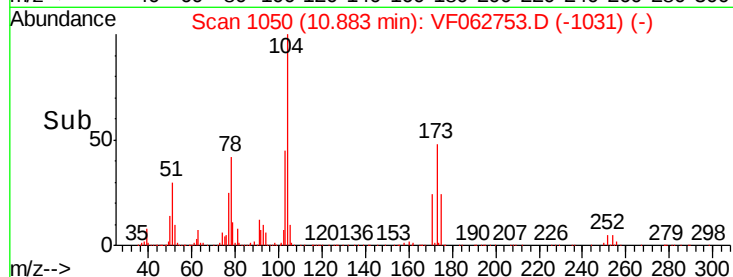
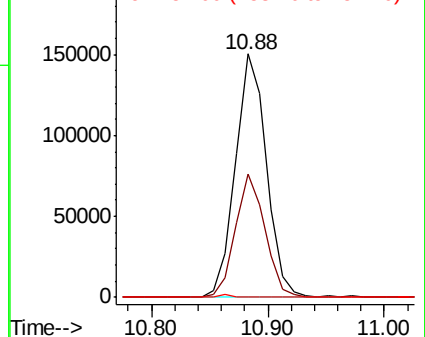


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

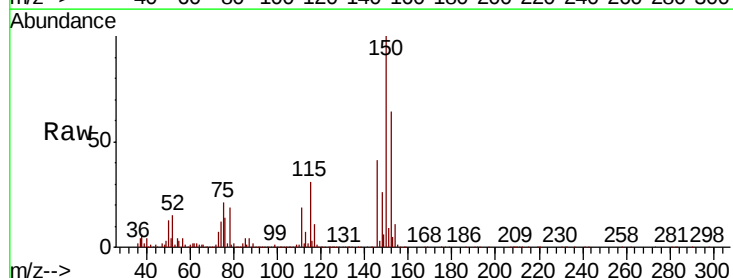
Tgt Ion:152 Resp: 549253

Ion Ratio Lower Upper

152 100

115 48.1 25.2 75.6

150 155.4 0.0 306.2

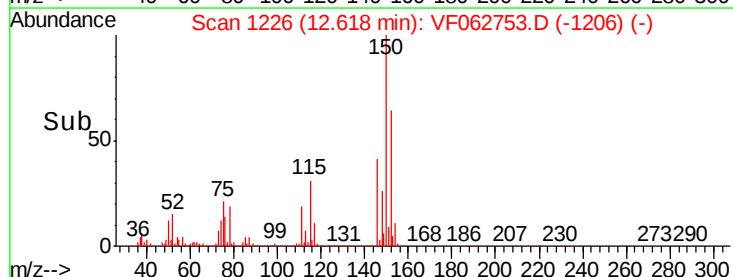
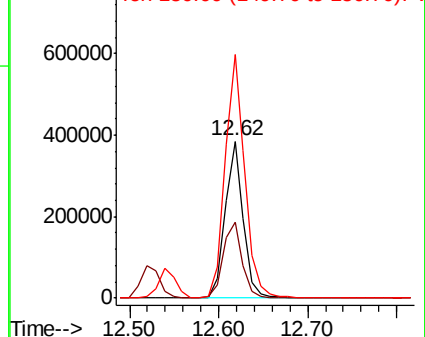


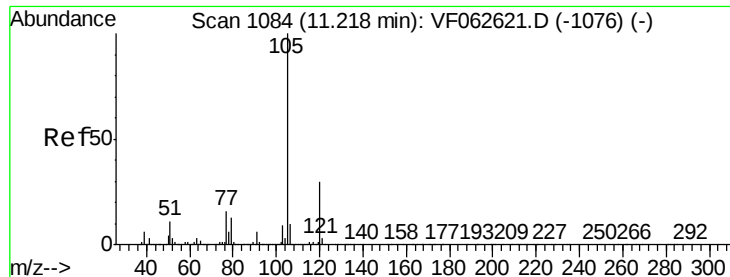
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.222 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

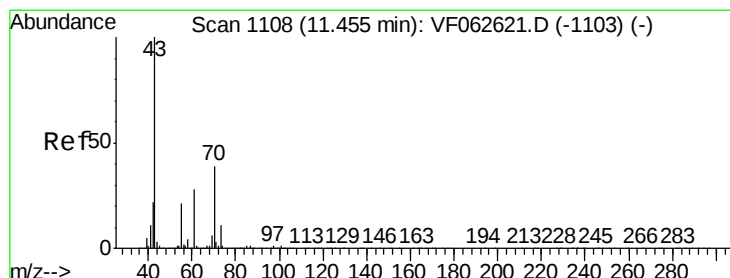
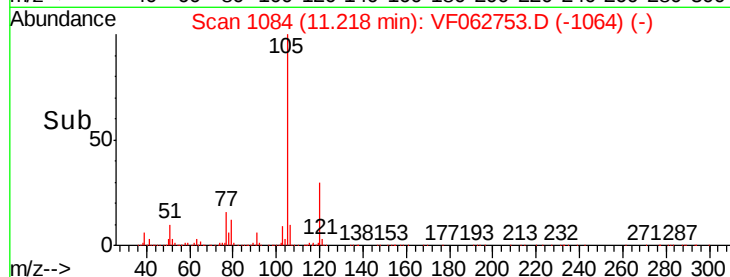
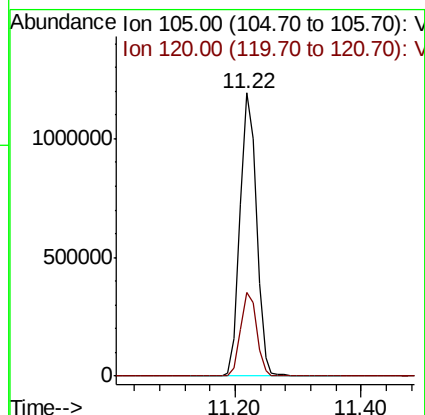
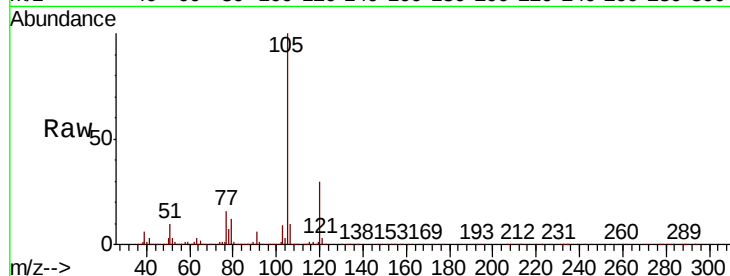
VSTDCCC050

Tot Ion:105 Resp: 2134480

Ion Ratio Lower Upper

105 100

120 29.5 14.8 44.4



#74

N-ethyl acetate

Concen: 63.274 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Tgt Ion: 43 Resp: 619415

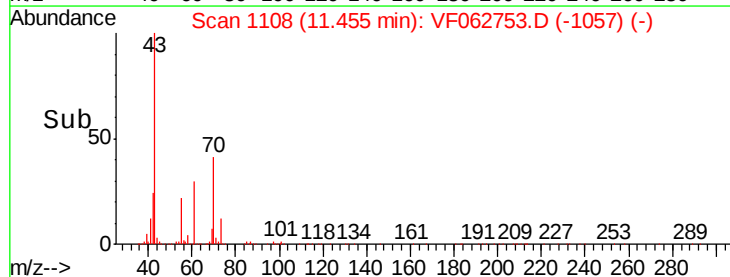
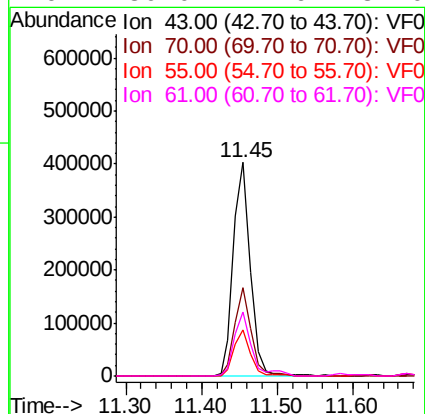
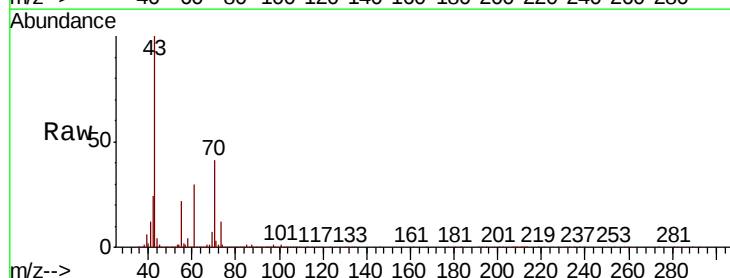
Ion Ratio Lower Upper

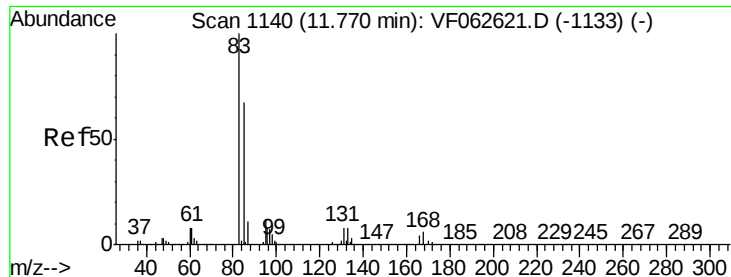
43 100

70 41.4 30.9 46.3

55 21.8 17.0 25.4

61 30.0 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.867 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

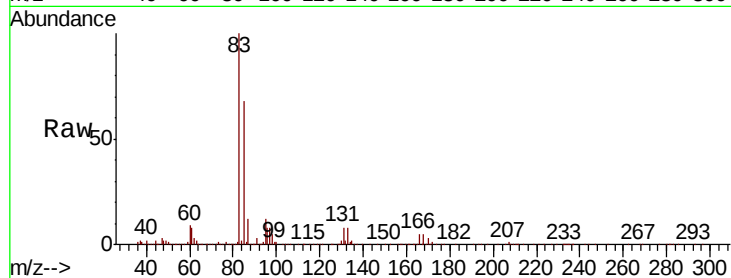
Tot Ion: 83 Resp: 449449

Ion Ratio Lower Upper

83 100

131 8.2 4.0 12.0

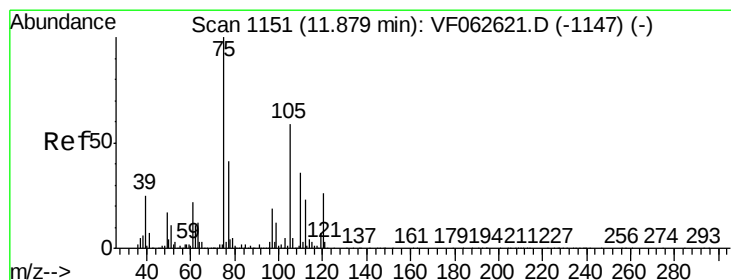
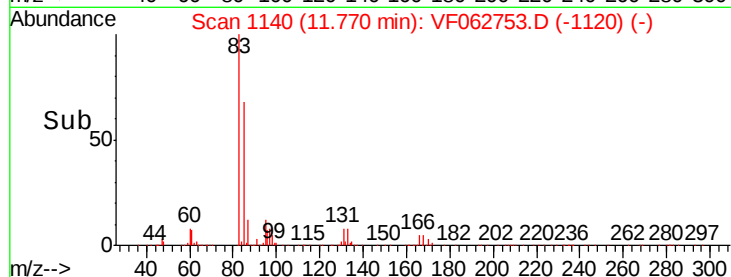
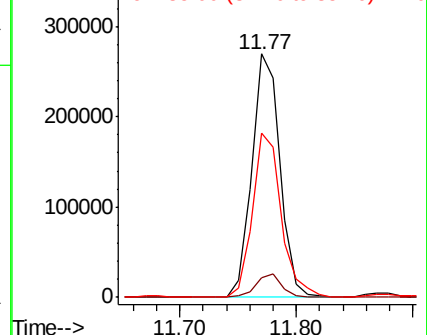
85 67.7 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 55.211 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062753.D

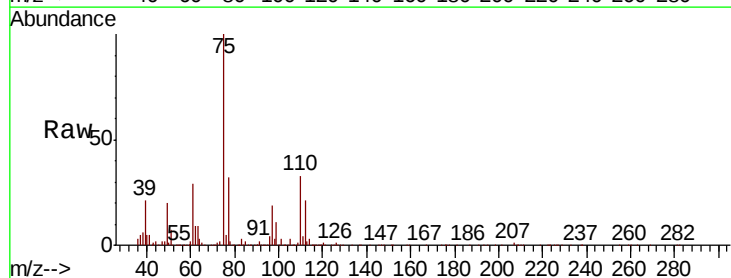
Acq: 28 May 2019 10:52

Tgt Ion: 75 Resp: 291849

Ion Ratio Lower Upper

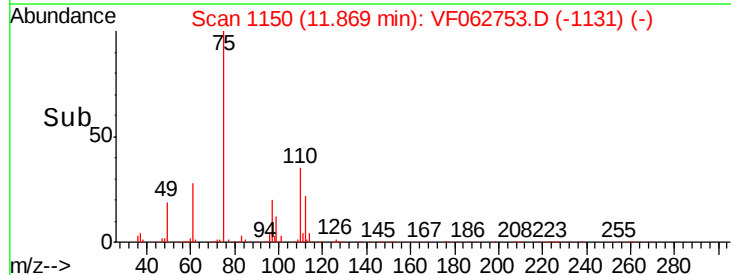
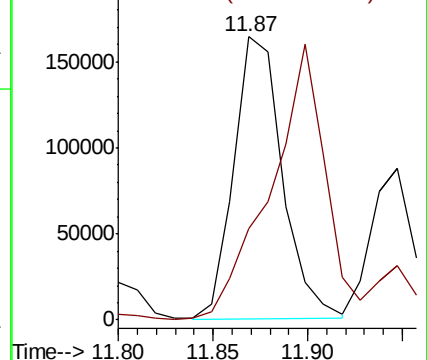
75 100

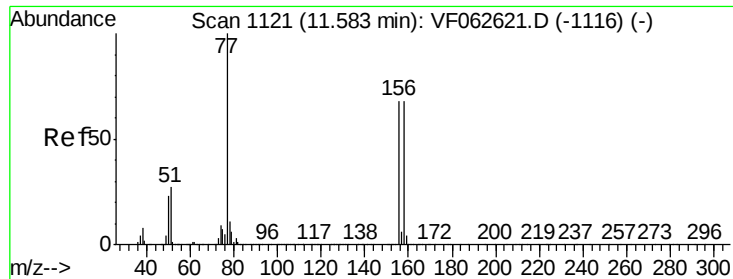
77 32.3 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.224 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

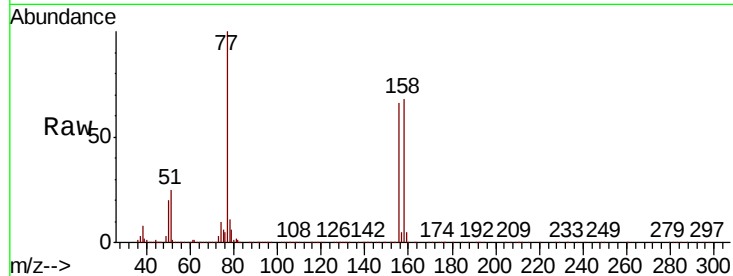
Tot Ion:156 Resp: 530587

Ion Ratio Lower Upper

156 100

77 151.4 73.6 220.8

158 102.7 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

600000

500000

400000

300000

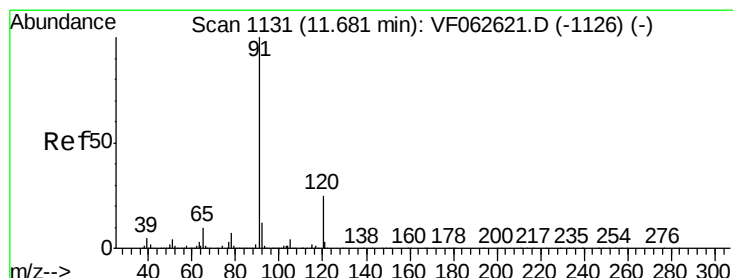
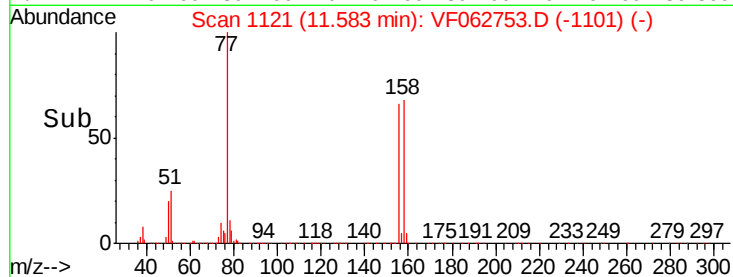
200000

100000

0

11.50 11.60

Time-->



#78

n-propylbenzene

Concen: 50.339 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062753.D

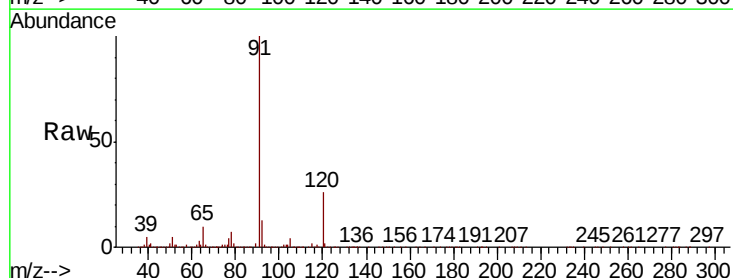
Acq: 28 May 2019 10:52

Tgt Ion: 91 Resp: 2345220

Ion Ratio Lower Upper

91 100

120 26.1 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

1500000

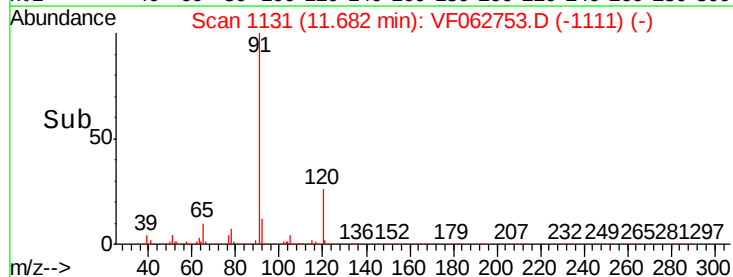
1000000

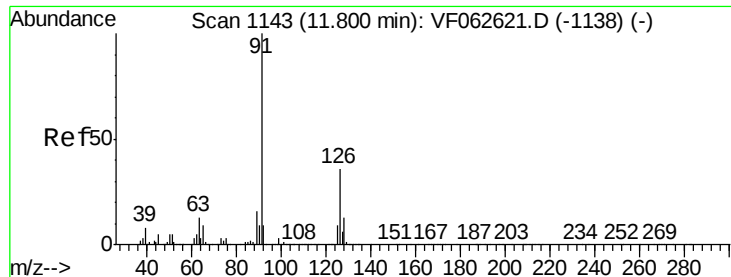
500000

0

11.60 11.70 11.80

Time-->





#79

2-Chlorotoluene

Concen: 52.148 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

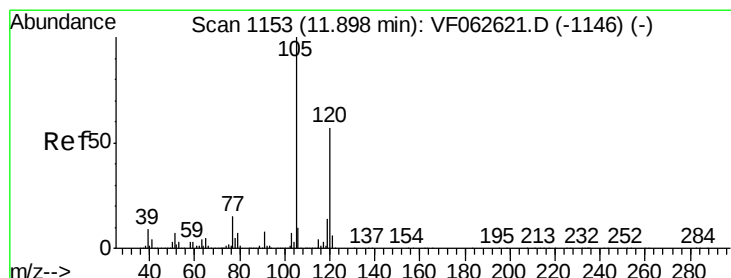
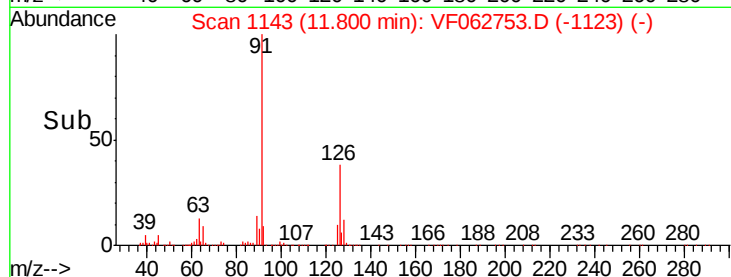
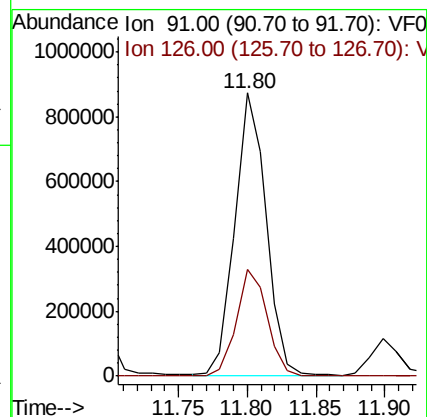
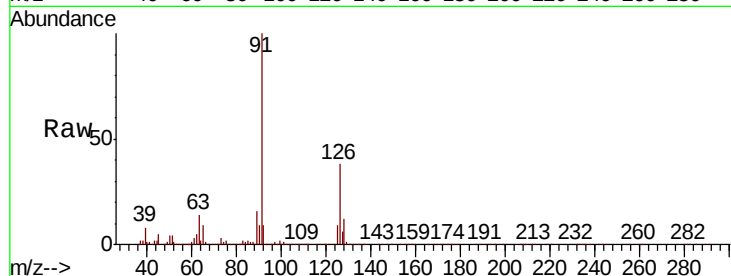
VSTDCCC050

Tot Ion: 91 Resp: 1369173

Ion Ratio Lower Upper

91 100

126 37.8 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 53.113 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062753.D

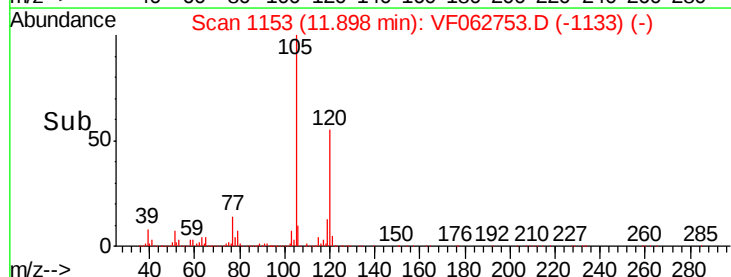
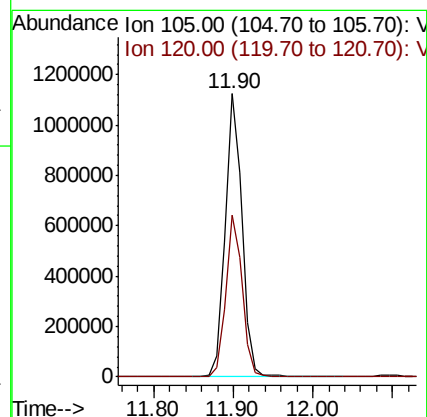
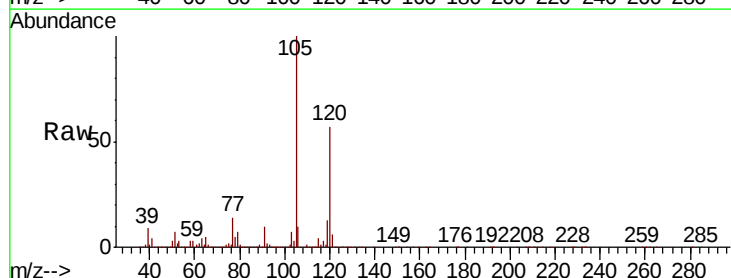
Acq: 28 May 2019 10:52

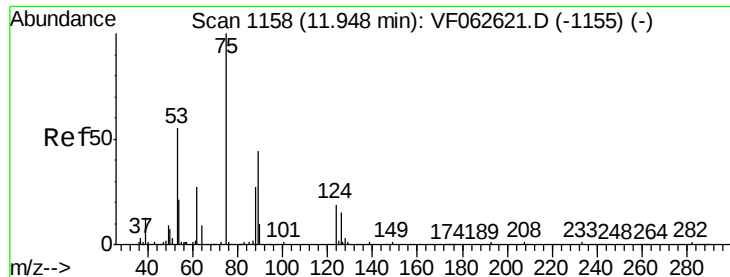
Tgt Ion:105 Resp: 1676522

Ion Ratio Lower Upper

105 100

120 57.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 75.845 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

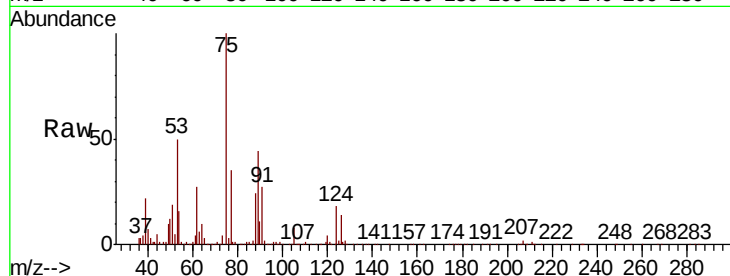
Tot Ion: 75 Resp: 178212

Ion Ratio Lower Upper

75 100

53 50.2 46.9 70.3

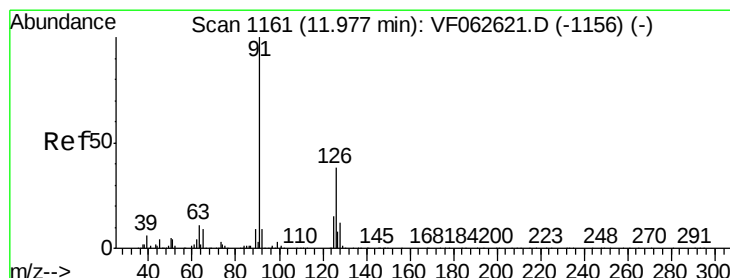
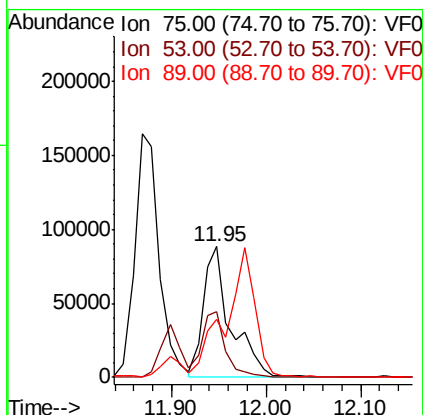
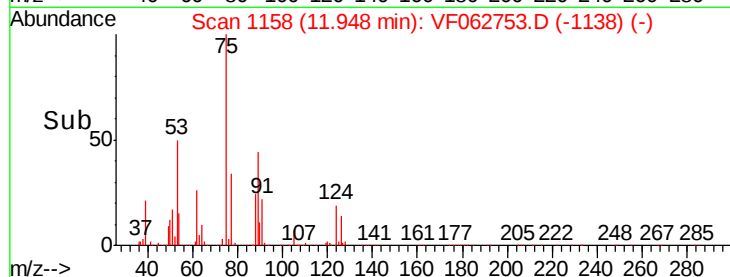
89 44.2 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 53.731 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062753.D

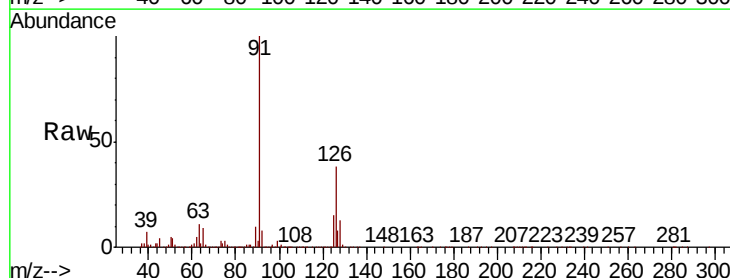
Acq: 28 May 2019 10:52

Tgt Ion: 91 Resp: 1391165

Ion Ratio Lower Upper

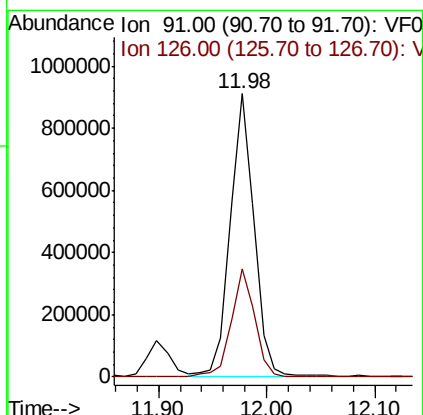
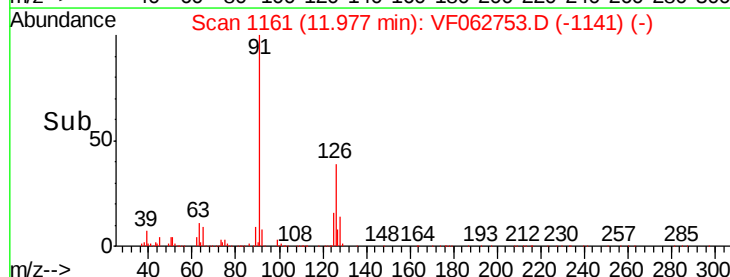
91 100

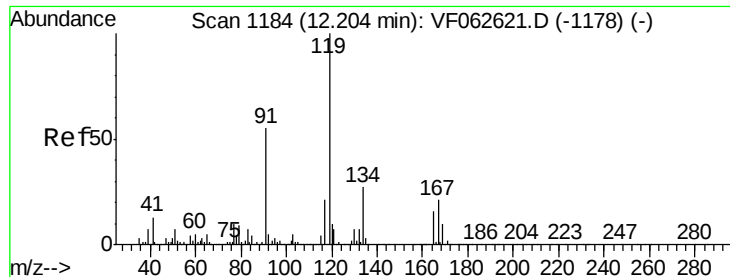
126 38.3 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 52.290 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

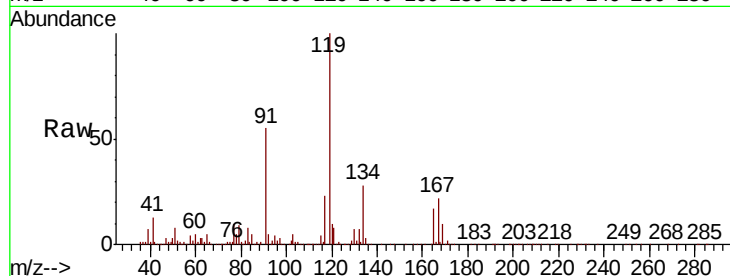
Tot Ion:119 Resp: 1674581

Ion Ratio Lower Upper

119 100

91 55.3 27.3 81.9

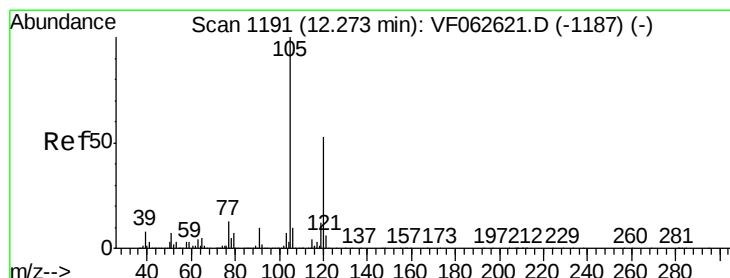
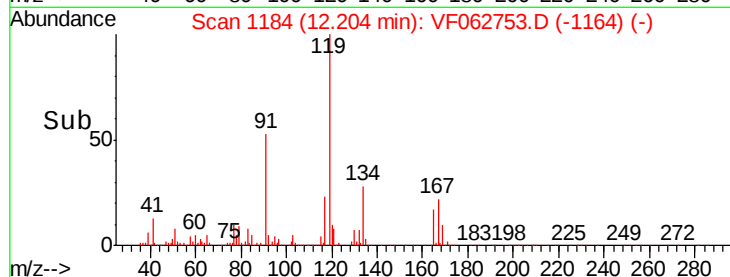
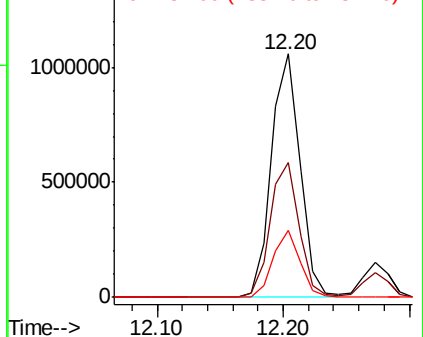
134 27.6 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.961 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062753.D

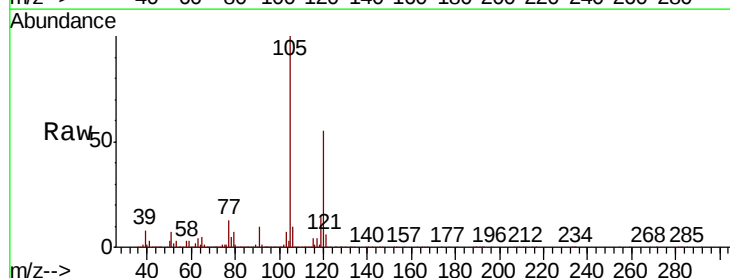
Acq: 28 May 2019 10:52

Tgt Ion:105 Resp: 1618028

Ion Ratio Lower Upper

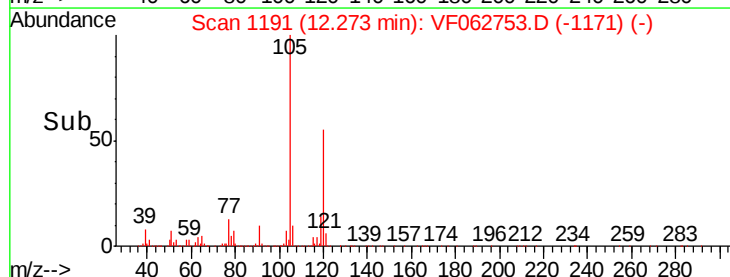
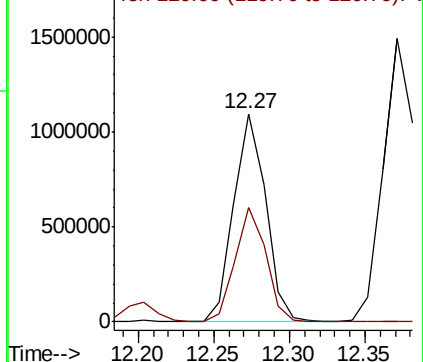
105 100

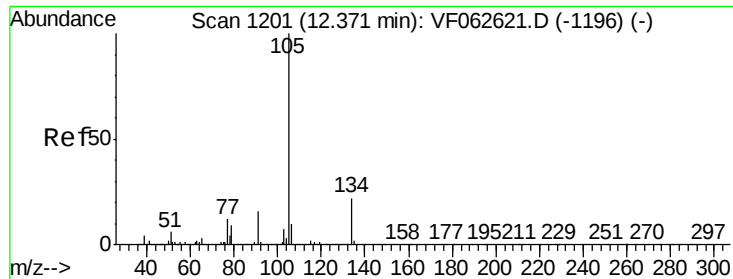
120 54.9 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.389 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

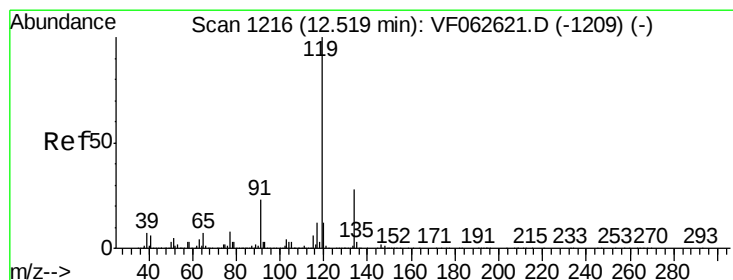
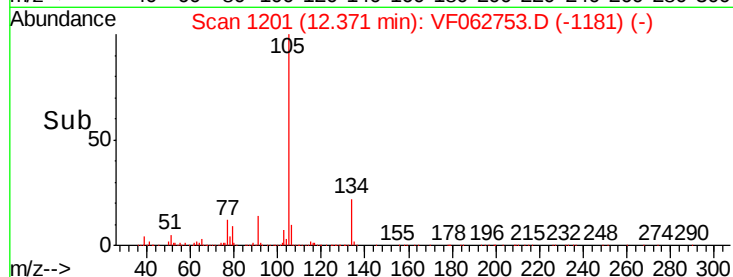
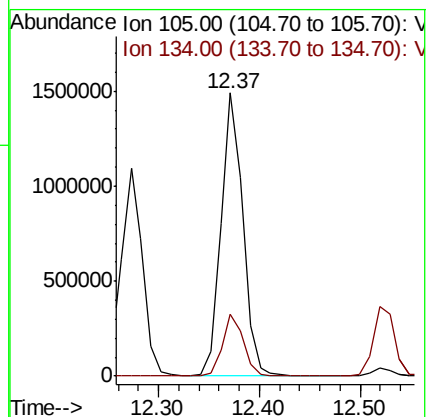
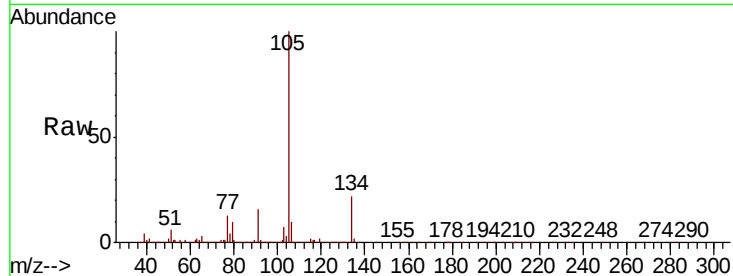
VSTDCCC050

Tot Ion:105 Resp: 2251560

Ion Ratio Lower Upper

105 100

134 21.9 10.8 32.4



#86

p-Isopropyltoluene

Concen: 51.535 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

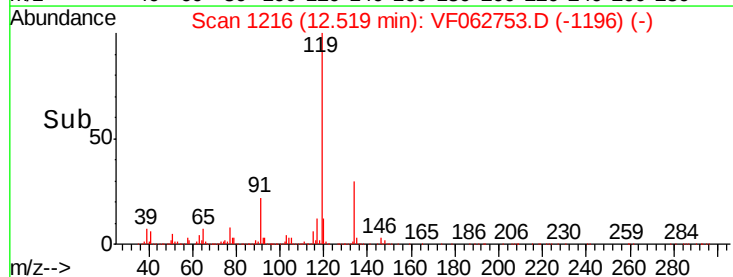
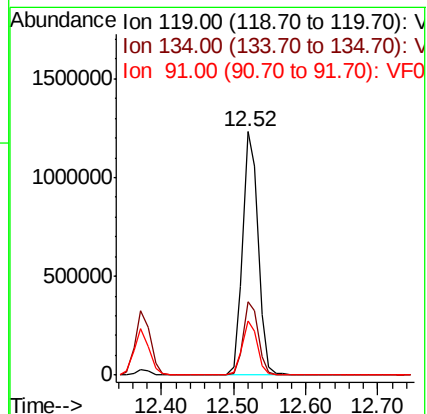
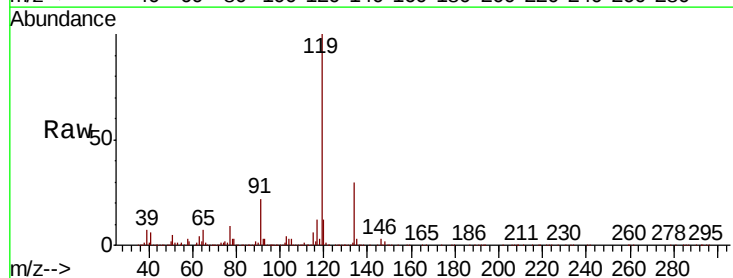
Tgt Ion:119 Resp: 1866559

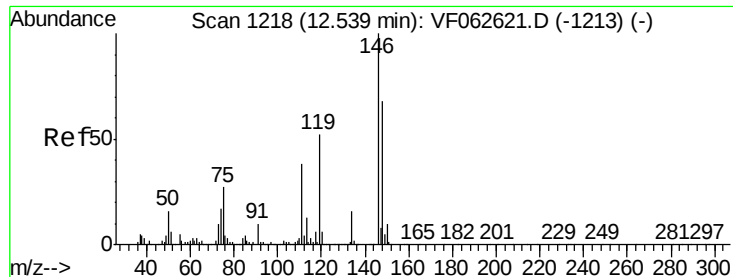
Ion Ratio Lower Upper

119 100

134 29.9 14.1 42.3

91 22.1 11.4 34.2

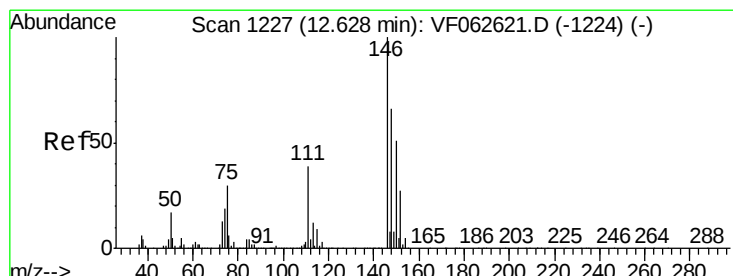
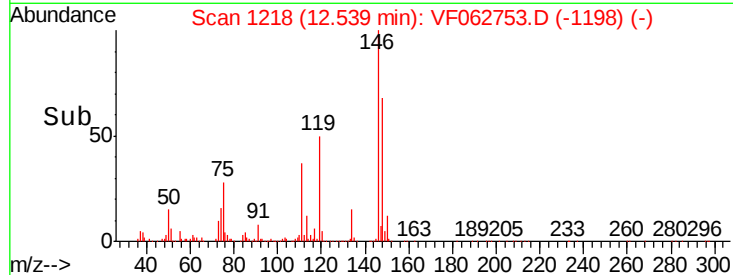
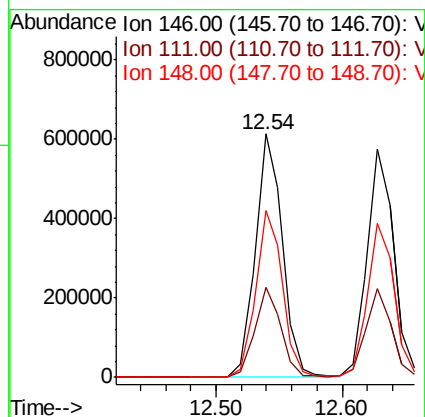
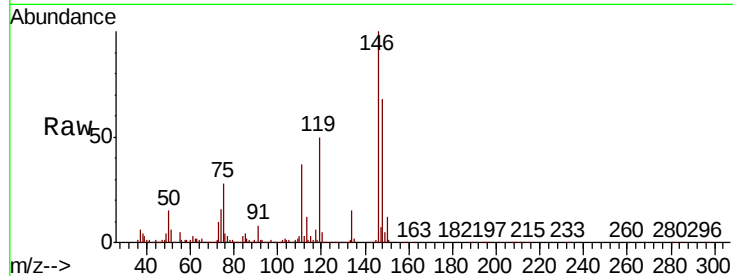




#87
 1,3-Dichlorobenzene
 Concen: 52.067 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

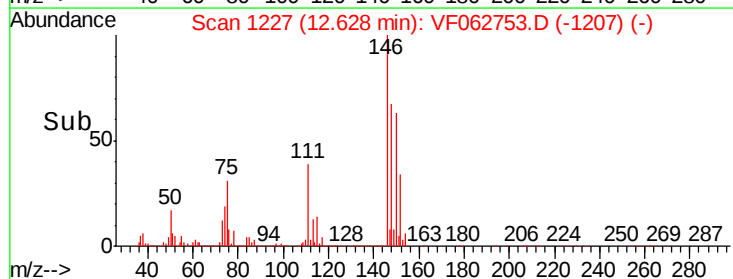
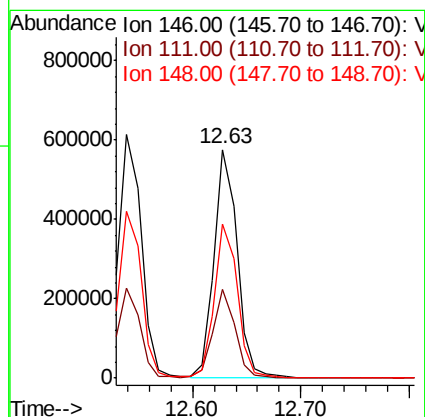
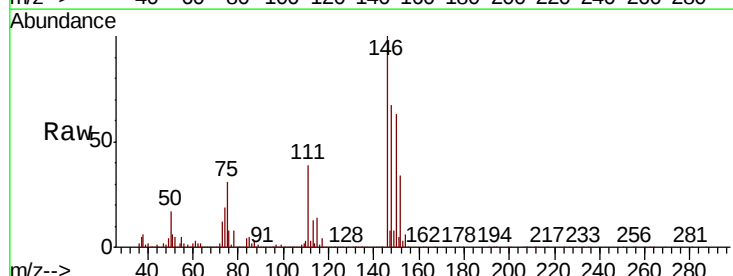
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

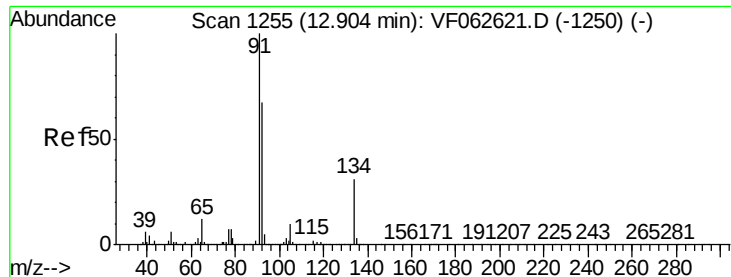
Tot Ion:146 Resp: 921758
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.9
 148 68.3 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 51.364 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion:146 Resp: 853318
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 67.0 33.2 99.6





#89

n-Butylbenzene

Concen: 49.063 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062753.D

Acq: 28 May 2019 10:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

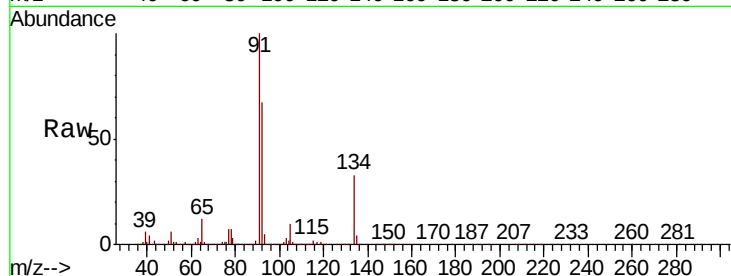
Tot Ion: 91 Resp: 1752074

Ion Ratio Lower Upper

91 100

92 66.8 33.3 99.8

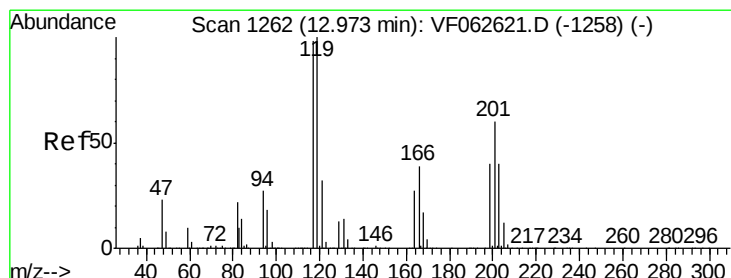
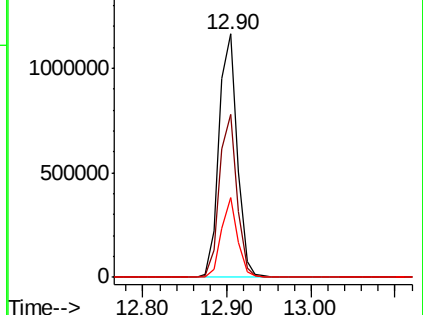
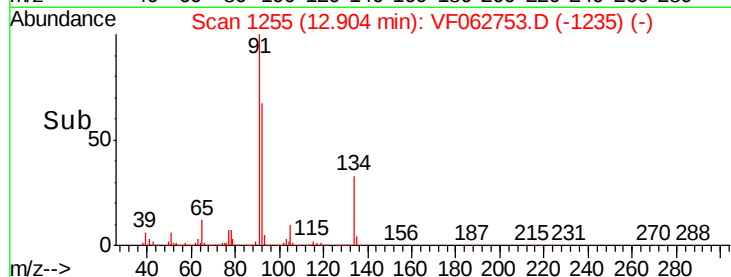
134 32.6 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.237 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062753.D

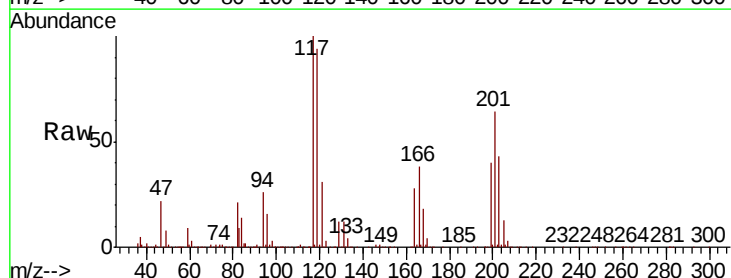
Acq: 28 May 2019 10:52

Tgt Ion: 117 Resp: 479931

Ion Ratio Lower Upper

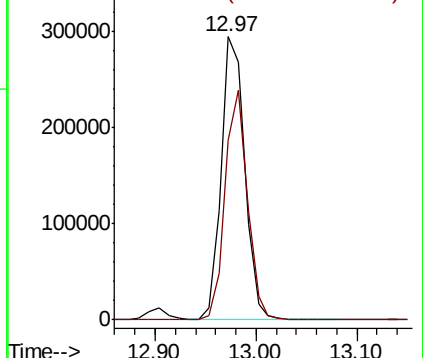
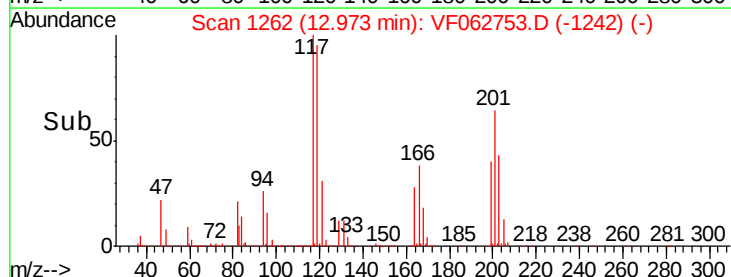
117 100

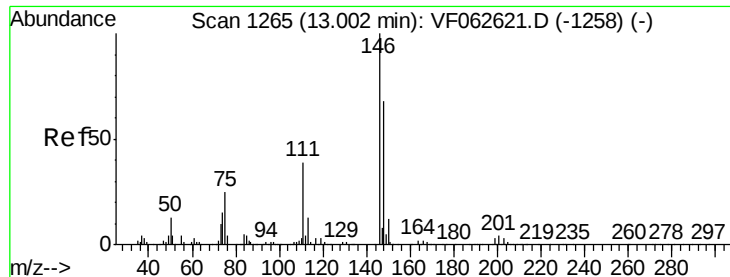
201 63.6 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

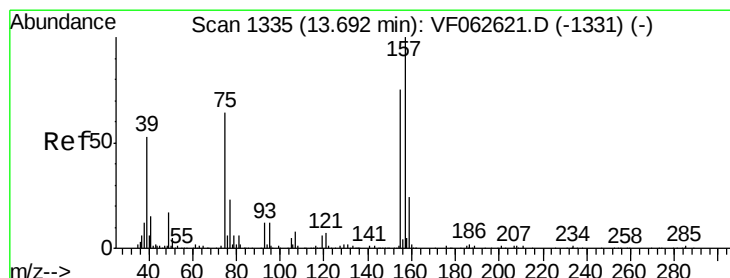
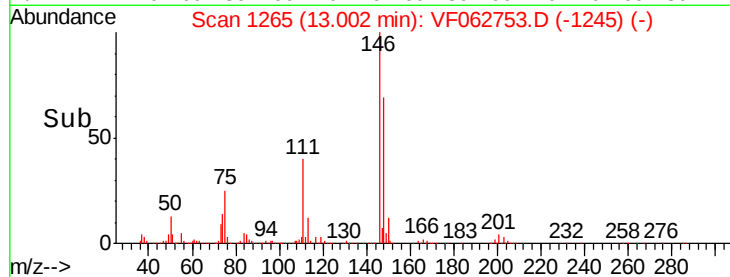
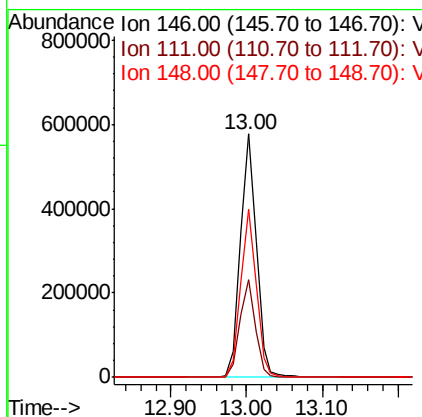
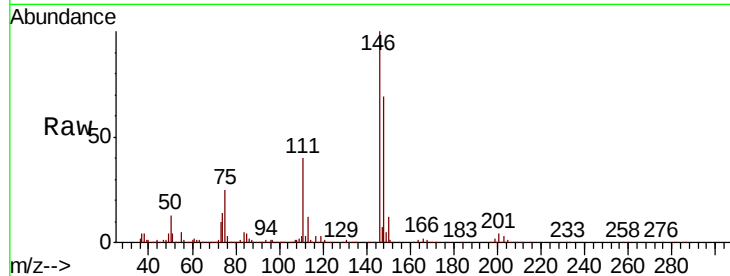




#91
 1,2-Dichlorobenzene
 Concen: 52.948 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

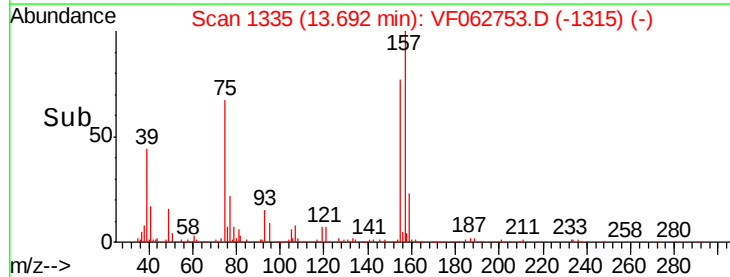
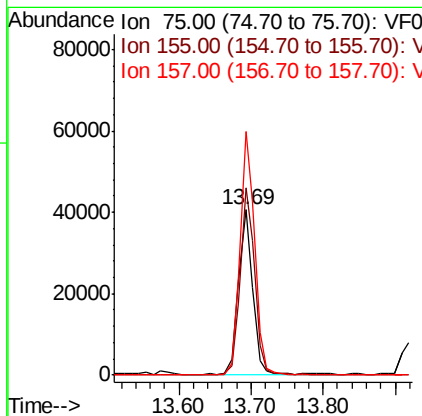
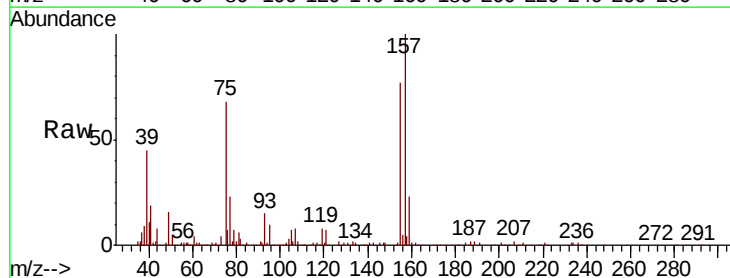
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

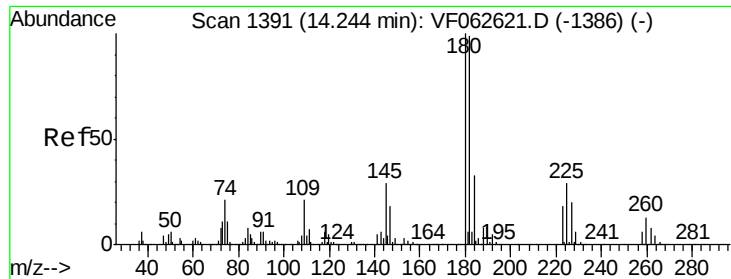
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	69.1	34.1	102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.802 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.2	58.1	174.3
157	147.6	77.8	233.4

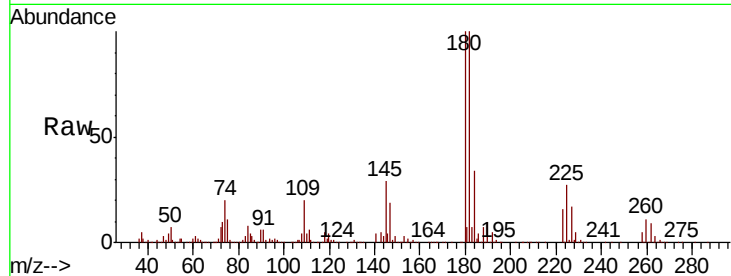




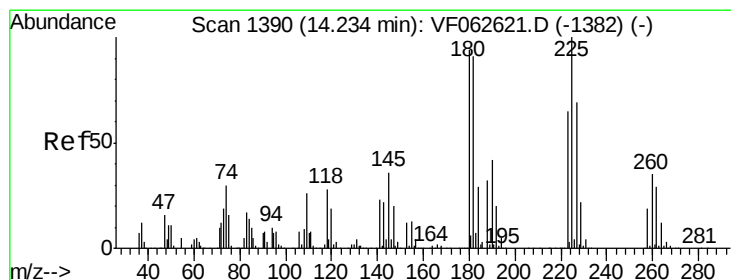
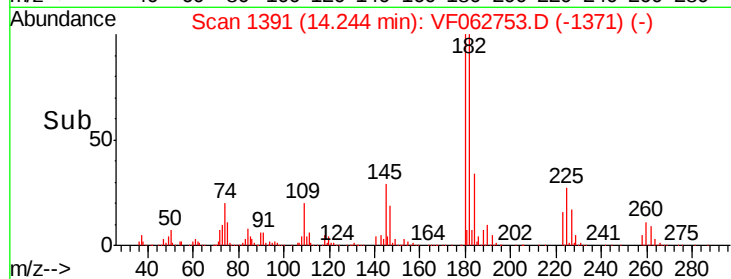
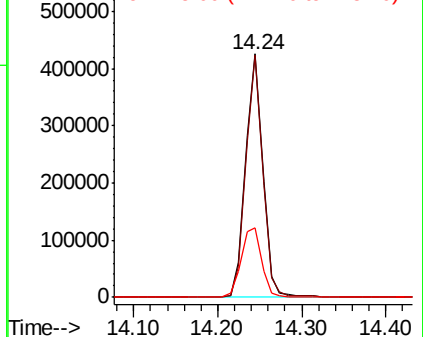
#93
 1,2,4-Trichlorobenzene
 Concen: 54.318 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 613564
 Ion Ratio Lower Upper
 180 100
 182 99.6 49.7 149.1
 145 28.8 14.6 44.0

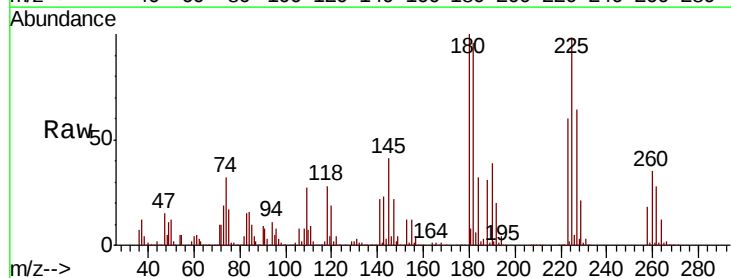


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

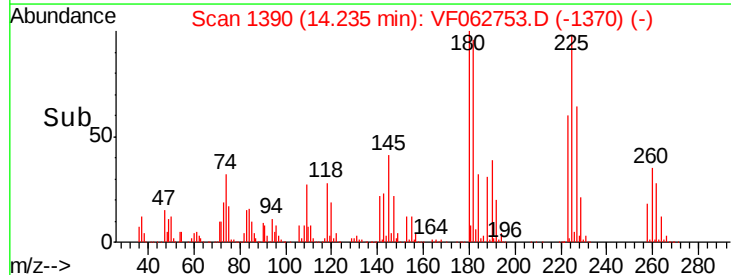
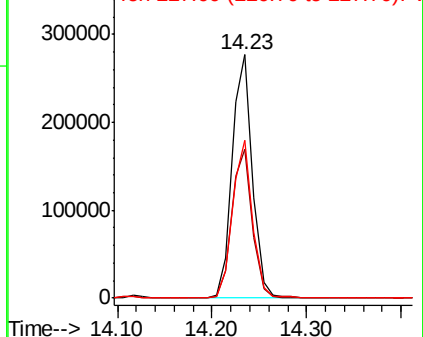


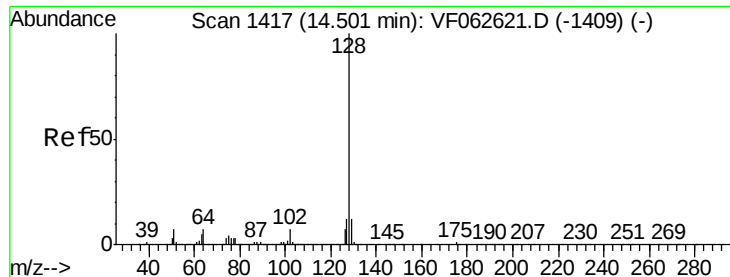
#94
 Hexachlorobutadiene
 Concen: 51.912 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062753.D
 Acq: 28 May 2019 10:52

Tgt Ion:225 Resp: 409221
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.5 97.4
 227 65.0 34.5 103.5



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

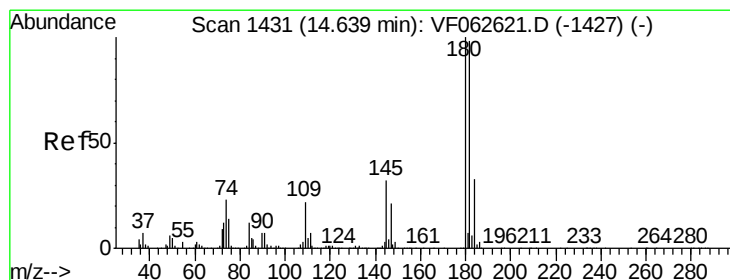
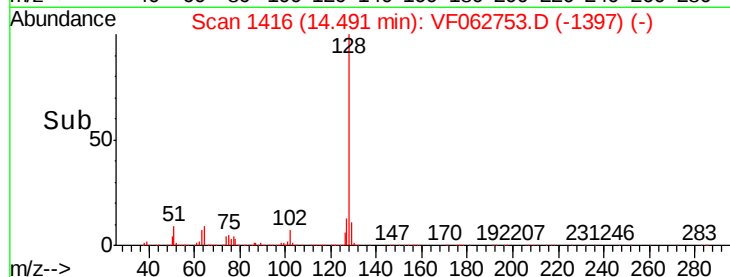
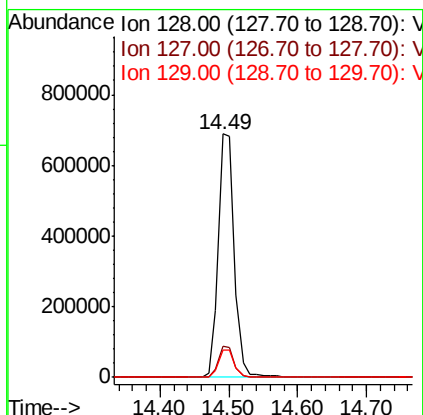
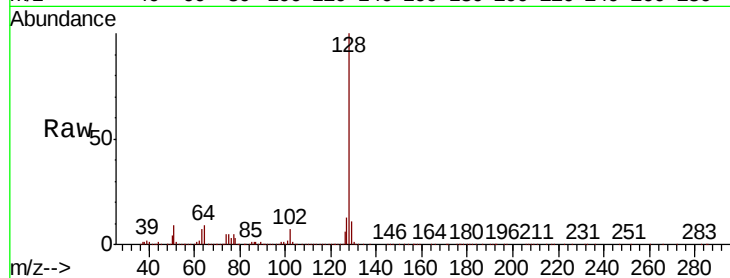




#95
Naphthalene
Concen: 54.496 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1118307
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 53.519 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062753.D
Acq: 28 May 2019 10:52

Tgt Ion:180 Resp: 572622
Ion Ratio Lower Upper
180 100
182 100.1 48.9 146.7
145 32.1 16.1 48.2

