

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062737.D
 Acq On : 23 May 2019 20:31
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 24 02:17:03 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	801922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1280009	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1001114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	475502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	234415	41.37	ug/l	0.00
Spiked Amount			Recovery	=	82.74%	
35) Dibromofluoromethane	4.32	113	428724	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
50) Toluene-d8	7.72	98	1094621	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.50	95	380089	42.85	ug/l	0.00
Spiked Amount			Recovery	=	85.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	455680	41.756	ug/l	96
3) Chloromethane	1.15	50	404999	40.305	ug/l	98
4) Vinyl Chloride	1.19	62	400691	43.320	ug/l	99
5) Bromomethane	1.40	94	243876	48.196	ug/l	98
6) Chloroethane	1.45	64	167373	49.270	ug/l	92
7) Trichlorofluoromethane	1.56	101	582569	46.908	ug/l	89
8) Diethyl Ether	1.71	74	120129	48.825	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	350813	44.361	ug/l	98
10) Methyl Iodide	1.99	142	745084	47.962	ug/l	96
11) Tert butyl alcohol	2.70	59	80947	216.363	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	352353	48.912	ug/l	95
13) Acrolein	2.11	56	66987	171.527	ug/l	93
14) Allyl chloride	2.21	41	289735	44.438	ug/l	98
15) Acrylonitrile	3.09	53	199773	189.297	ug/l	98
16) Acetone	2.36	43	304623	207.206	ug/l	94
17) Carbon Disulfide	1.91	76	917029	42.948	ug/l	98
18) Methyl Acetate	2.47	43	93399	40.428	ug/l	91
19) Methyl tert-butyl Ether	2.55	73	603634	46.873	ug/l	99
20) Methylene Chloride	2.35	84	217704	29.543	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	342921	48.702	ug/l	88
22) Diisopropyl ether	2.95	45	780287	48.524	ug/l	99
23) Vinyl Acetate	3.35	43	2513547	231.716	ug/l	99
24) 1,1-Dichloroethane	3.03	63	558655	47.357	ug/l	98
25) 2-Butanone	4.53	43	706337	224.880	ug/l	100
26) 2,2-Dichloropropane	3.78	77	315303	46.714	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	597887	51.621	ug/l	94
28) Bromochloromethane	3.91	49	268454	40.576	ug/l	95
29) Tetrahydrofuran	4.28	42	280868	220.976	ug/l	95
30) Chloroform	4.06	83	827640	50.532	ug/l	99
31) Cyclohexane	3.89	56	752857	47.530	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	531294	48.844	ug/l	99
36) 1,1-Dichloropropene	4.48	75	627790	47.864	ug/l	98
37) Ethyl Acetate	4.32	43	240167	44.846	ug/l #	80
38) Carbon Tetrachloride	4.20	117	484985	49.165	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	860658	54.534	ug/l	98
40) Benzene	4.83	78	1896547	53.077	ug/l	98
41) Methacrylonitrile	4.95	41	136371	48.571	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	360574	50.603	ug/l	97
43) Isopropyl Acetate	7.13	43	321955	46.404	ug/l #	94
44) Trichloroethene	5.70	130	539269	53.698	ug/l	94
45) 1,2-Dichloropropane	6.42	63	471224	52.242	ug/l	99
46) Dibromomethane	6.28	93	274541	52.666	ug/l	95
47) Bromodichloromethane	6.56	83	562625	51.989	ug/l	98
48) Methyl methacrylate	6.89	41	188314	51.929	ug/l	96
49) 1,4-Dioxane	6.89	88	46933	1010.471	ug/l #	92
51) 4-Methyl-2-Pentanone	8.41	43	1167852	246.257	ug/l	100
52) Toluene	7.79	92	1029831	54.955	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	476171	53.782	ug/l	93
54) cis-1,3-Dichloropropene	7.47	75	667895	53.890	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	298940	53.878	ug/l	96
56) Ethyl methacrylate	8.76	69	343329	51.938	ug/l	96
57) 1,3-Dichloropropane	9.01	76	516683	54.671	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	571228	265.481	ug/l	99
59) 2-Hexanone	9.63	43	796651	258.823	ug/l	99
60) Dibromochloromethane	8.87	129	405117	56.021	ug/l	100
61) 1,2-Dibromoethane	9.15	107	334984	56.841	ug/l	99
64) Tetrachloroethene	8.32	164	413739	52.167	ug/l	97
65) Chlorobenzene	9.95	112	1070774	54.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	409815	51.917	ug/l	95
67) Ethyl Benzene	10.04	91	1837107	53.782	ug/l	98
68) m/p-Xylenes	10.27	106	1386167	107.971	ug/l	98
69) o-Xylene	10.82	106	715613	54.116	ug/l	98
70) Styrene	10.90	104	1081472	53.807	ug/l	98
71) Bromoform	10.88	173	215583	54.531	ug/l #	98
73) Isopropylbenzene	11.22	105	1843782	54.102	ug/l	98
74) N-amyl acetate	11.45	43	488135	57.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	358305	51.446	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	235428	51.446	ug/l	94
77) Bromobenzene	11.58	156	455107	53.724	ug/l	94
78) n-propylbenzene	11.68	91	2084147	51.674	ug/l	100
79) 2-Chlorotoluene	11.80	91	1208611	53.172	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	1482428	54.248	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	142769	70.185	ug/l	99
82) 4-Chlorotoluene	11.98	91	1256687	56.065	ug/l	98
83) tert-Butylbenzene	12.20	119	1517427	54.732	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	1434350	54.231	ug/l	100
85) sec-Butylbenzene	12.37	105	1984816	53.345	ug/l	97
86) p-Isopropyltoluene	12.53	119	1633154	52.084	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	790488	51.578	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	742354	51.615	ug/l	99
89) n-Butylbenzene	12.90	91	1565588	50.640	ug/l	99
90) Hexachloroethane	12.98	117	406803	54.082	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	699032	51.167	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	42447	51.088	ug/l	75

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

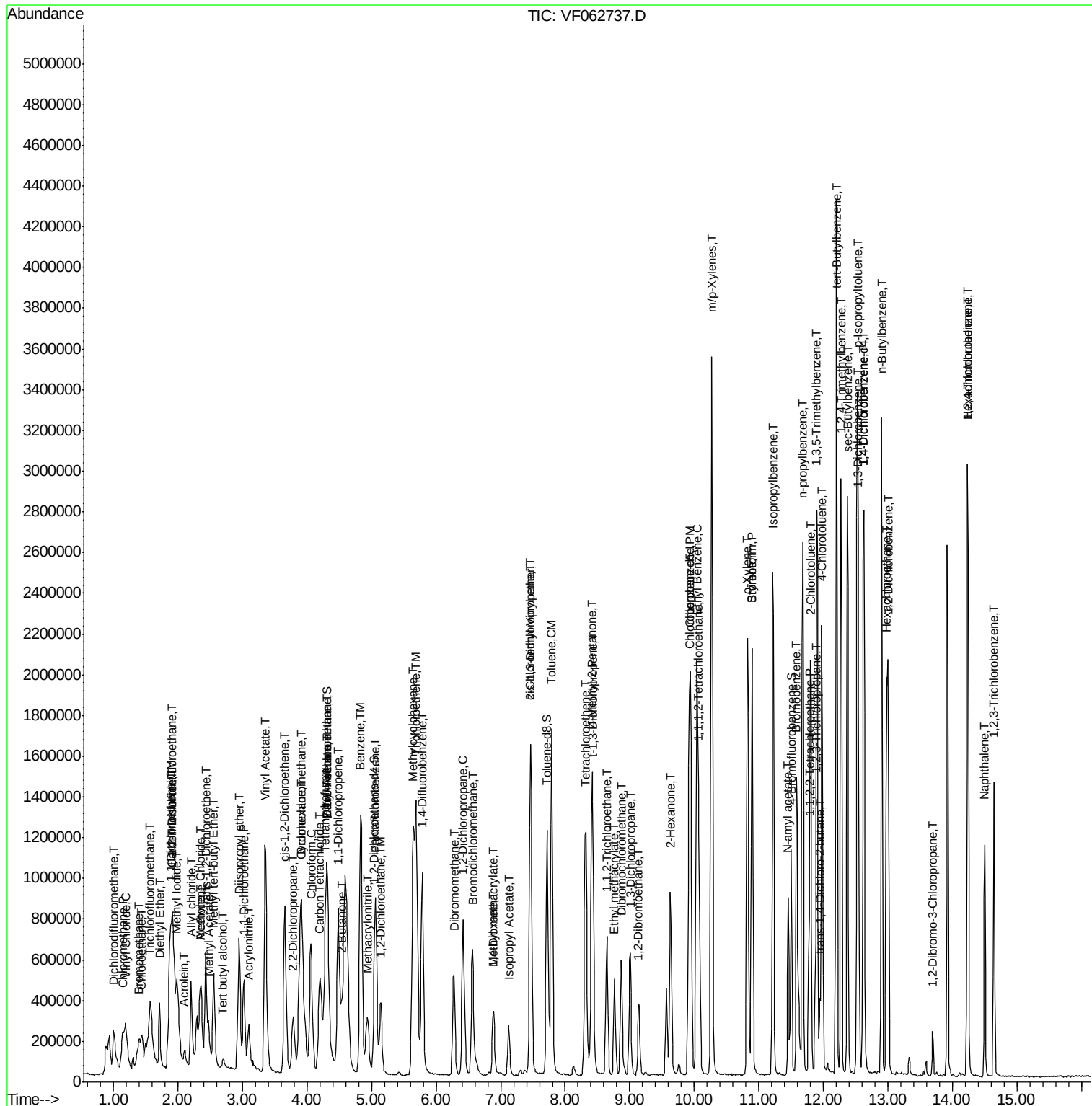
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	493856	50.502	ug/l	98
94) Hexachlorobutadiene	14.23	225	353367	51.779	ug/l	97
95) Naphthalene	14.50	128	840324	47.301	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	450180	48.601	ug/l	97

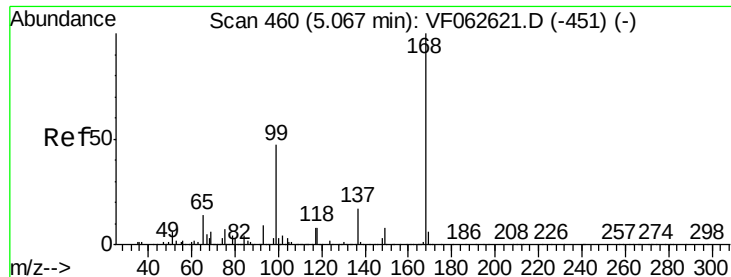
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

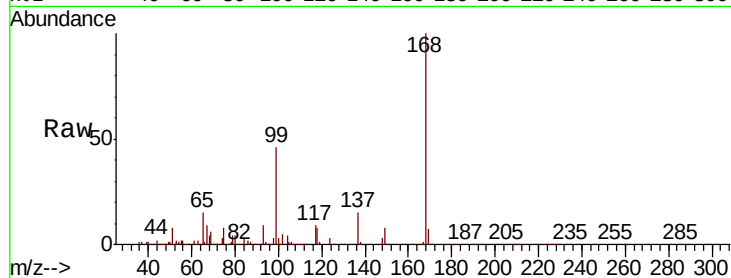
VSTDCCC050EC

Tot Ion:168 Resp: 801922

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

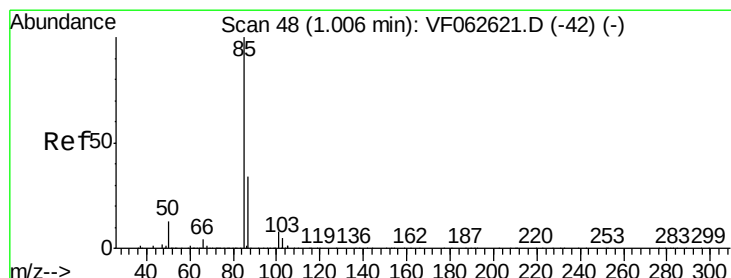
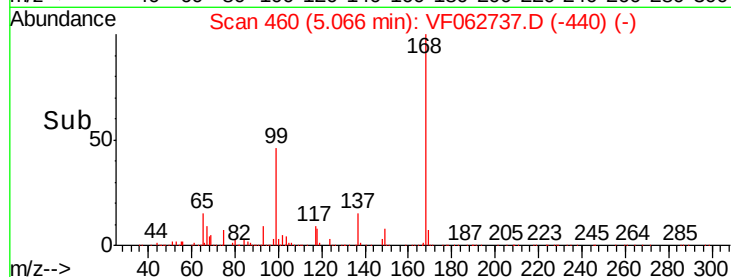
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.756 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062737.D

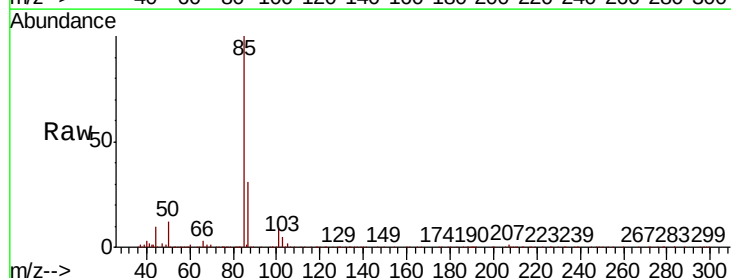
Acq: 23 May 2019 20:31

Tgt Ion: 85 Resp: 455680

Ion Ratio Lower Upper

85 100

87 31.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

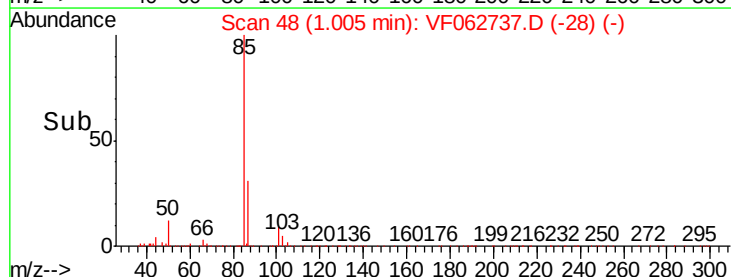
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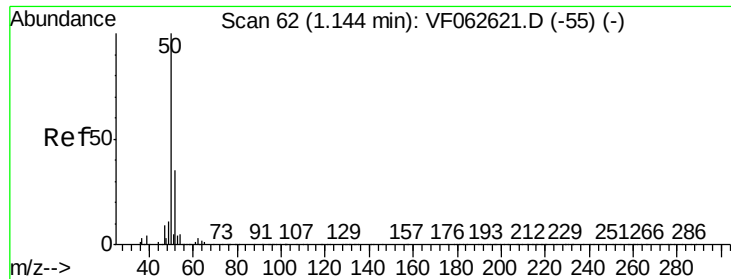
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.305 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

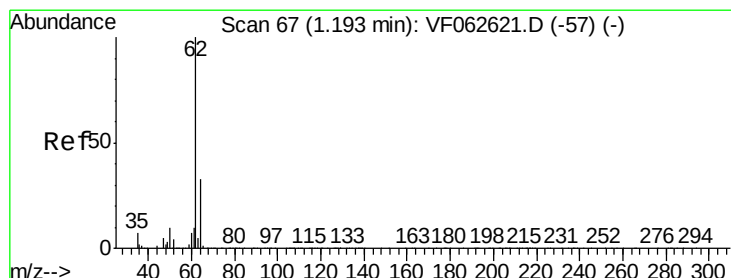
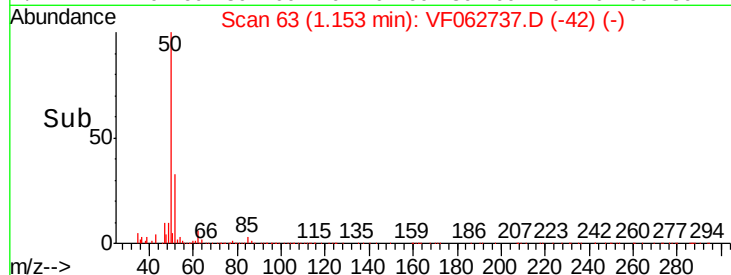
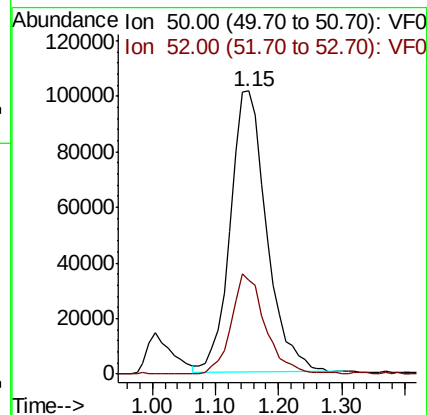
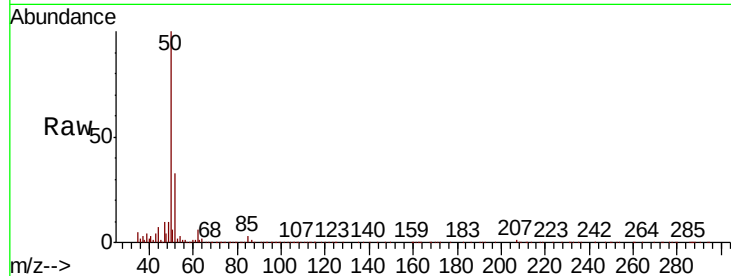
VSTDCCC050EC

Tot Ion: 50 Resp: 404999

Ion Ratio Lower Upper

50 100

52 33.2 27.5 41.3



#4

Vinyl Chloride

Concen: 43.320 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062737.D

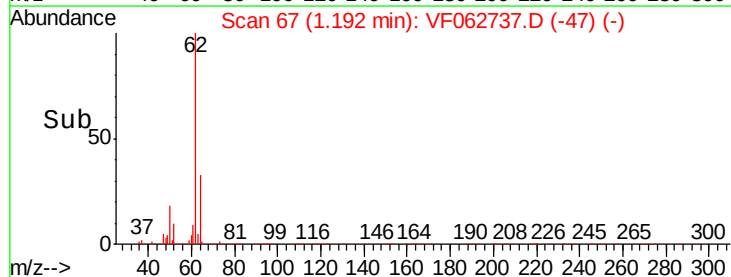
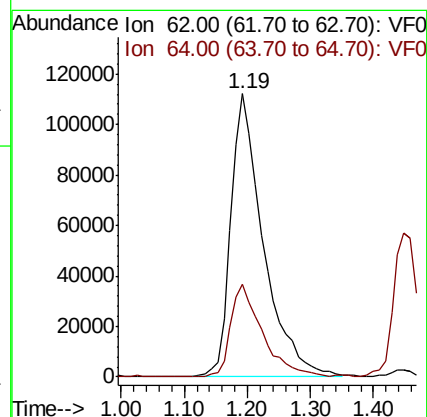
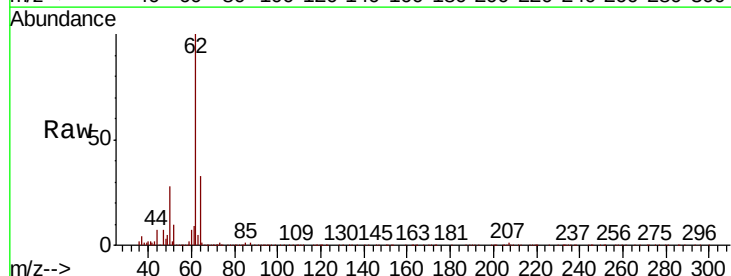
Acq: 23 May 2019 20:31

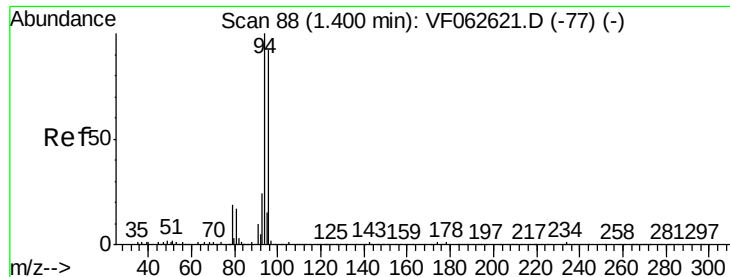
Tgt Ion: 62 Resp: 400691

Ion Ratio Lower Upper

62 100

64 32.9 26.7 40.1





#5

Bromomethane

Concen: 48.196 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

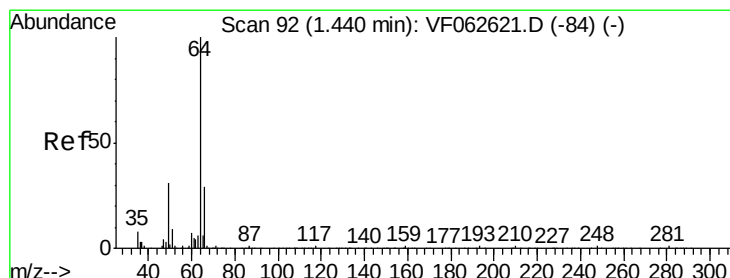
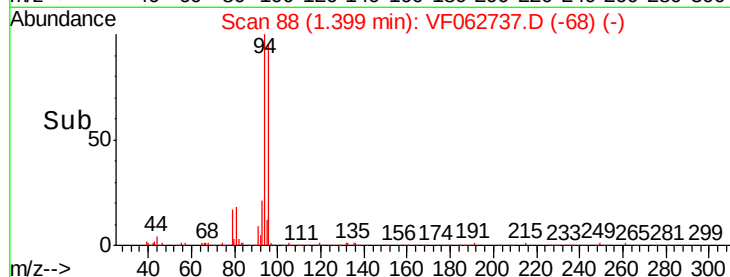
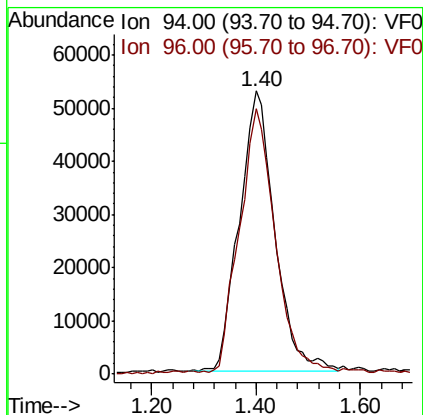
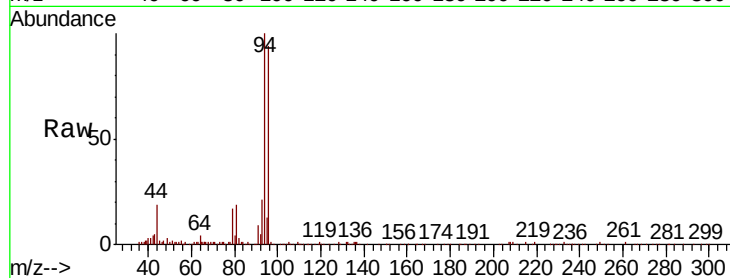
VSTDCCC050EC

Tot Ion: 94 Resp: 243876

Ion Ratio Lower Upper

94 100

96 93.7 73.2 109.8



#6

Chloroethane

Concen: 49.270 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062737.D

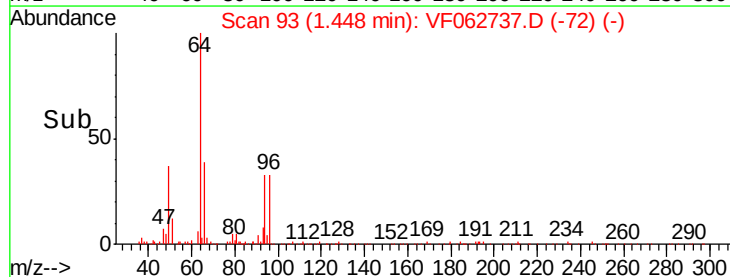
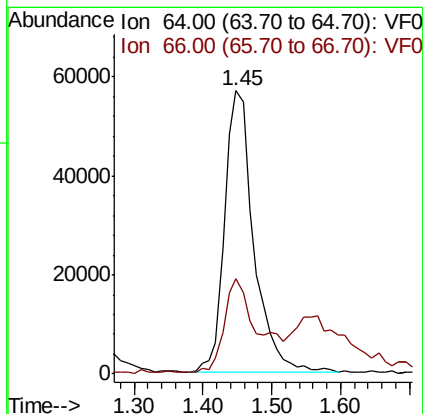
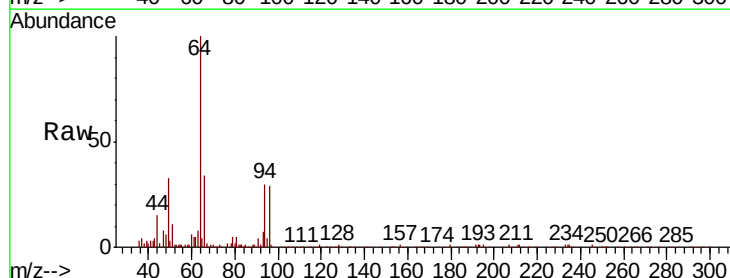
Acq: 23 May 2019 20:31

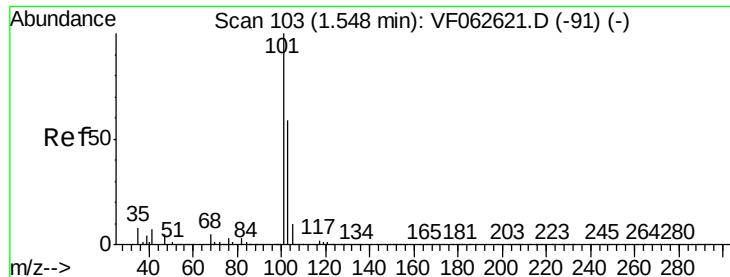
Tgt Ion: 64 Resp: 167373

Ion Ratio Lower Upper

64 100

66 33.6 23.4 35.2



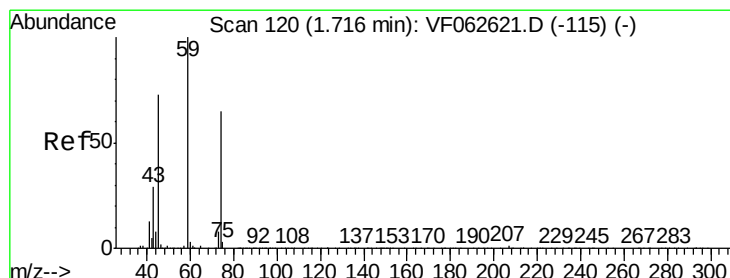
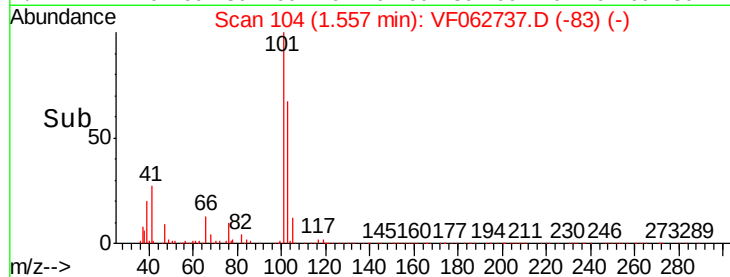
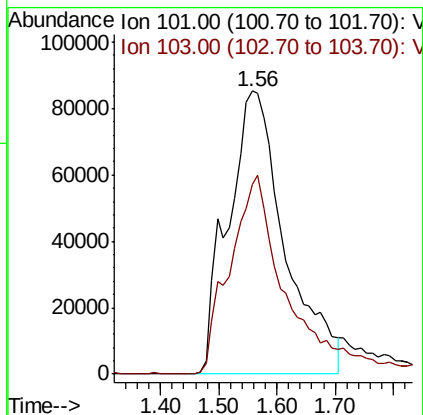
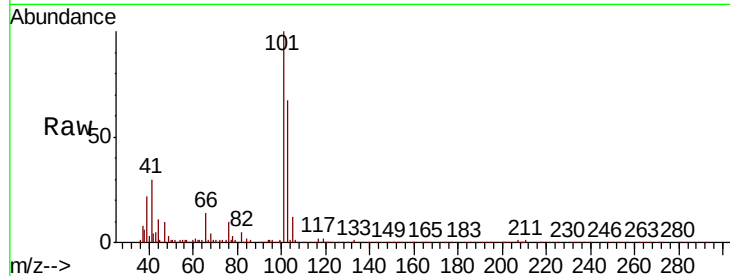


#7

Trichlorofluoromethane
 Concen: 46.908 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

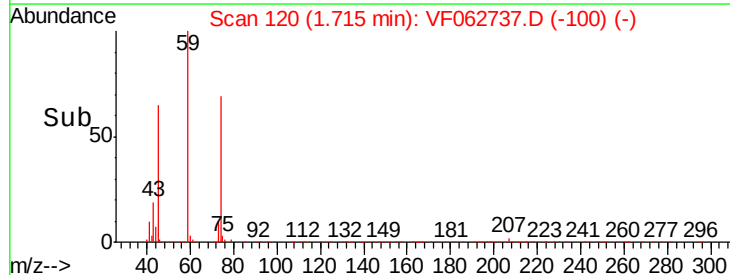
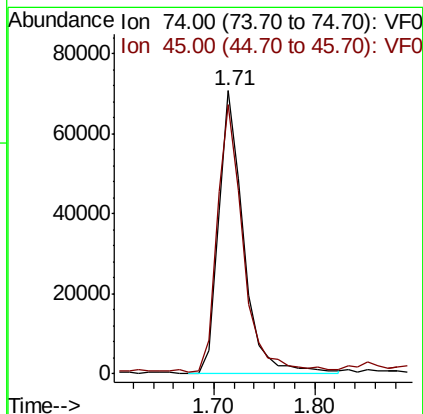
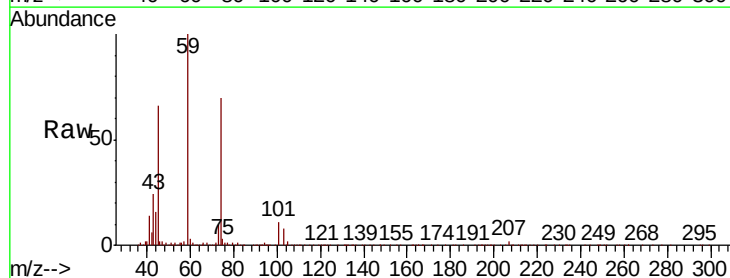
Tot Ion:101 Resp: 582569
 Ion Ratio Lower Upper
 101 100
 103 67.3 47.3 70.9

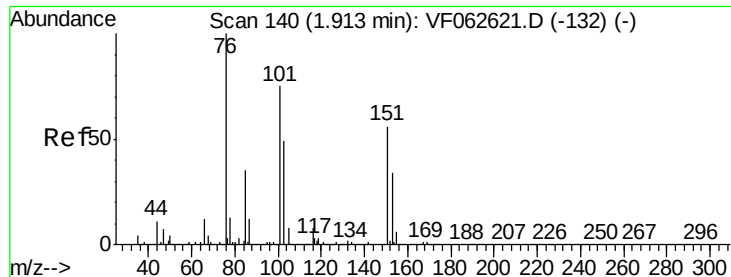


#8

Diethyl Ether
 Concen: 48.825 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion: 74 Resp: 120129
 Ion Ratio Lower Upper
 74 100
 45 95.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.361 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

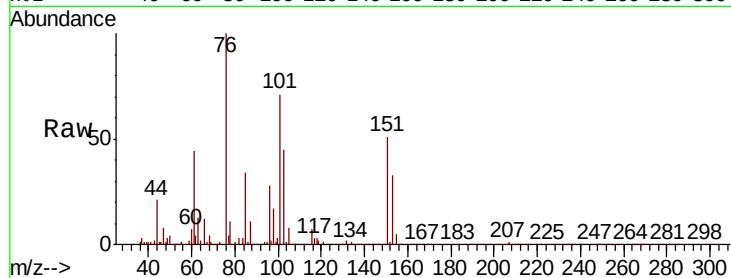
Tot Ion:101 Resp: 350813

Ion Ratio Lower Upper

101 100

85 48.2 37.1 55.7

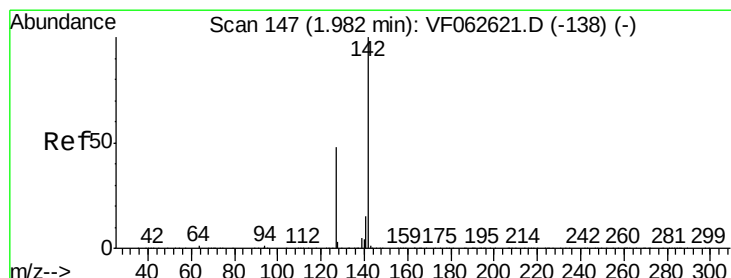
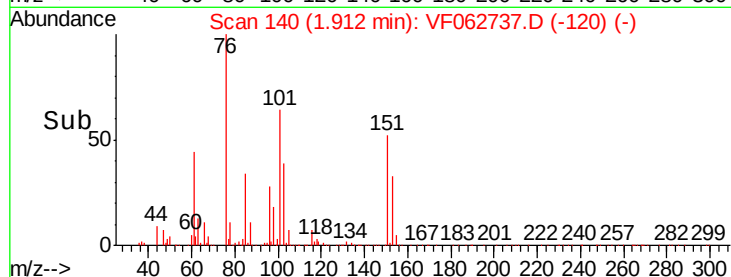
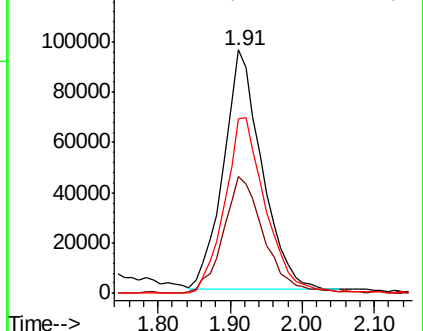
151 71.9 58.8 88.2



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: 47.962 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

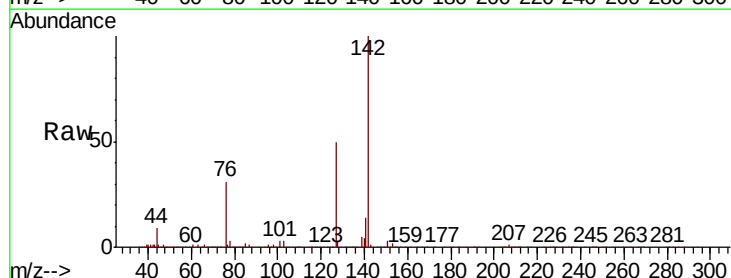
Tgt Ion:142 Resp: 745084

Ion Ratio Lower Upper

142 100

127 50.4 38.1 57.1

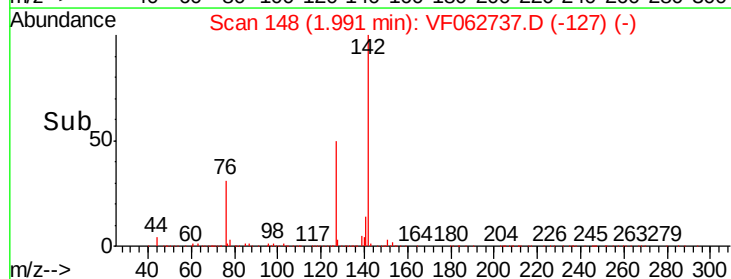
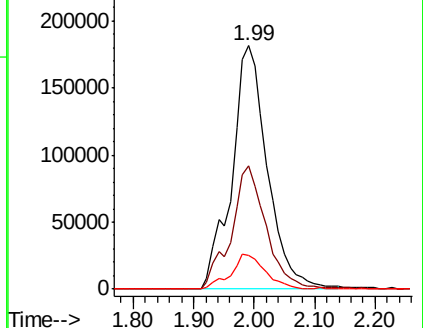
141 13.9 11.7 17.5

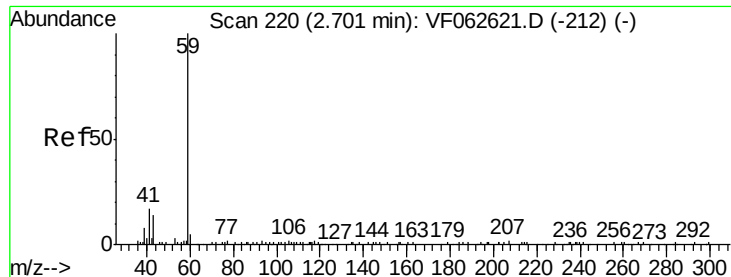


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



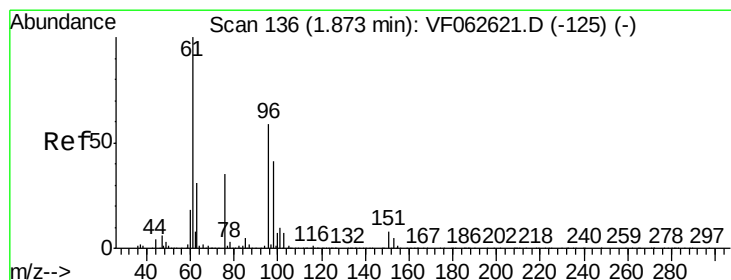
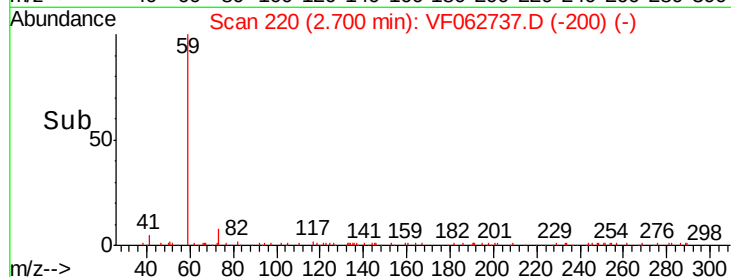
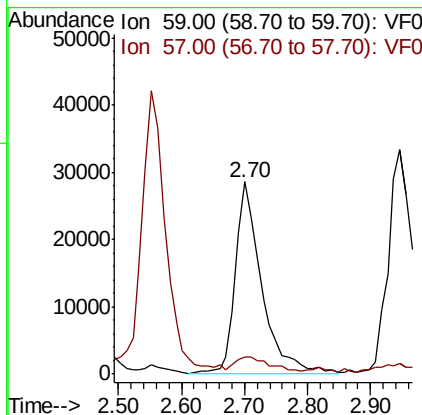
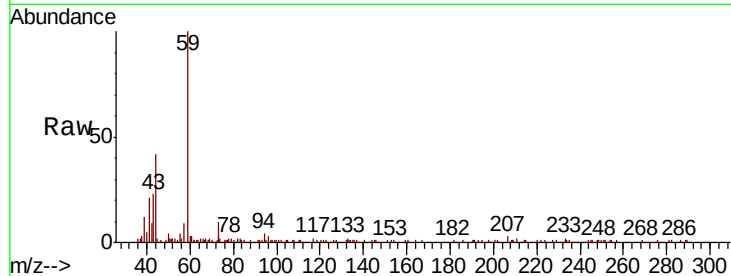


#11

Tert butyl alcohol
 Concen: 216.363 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

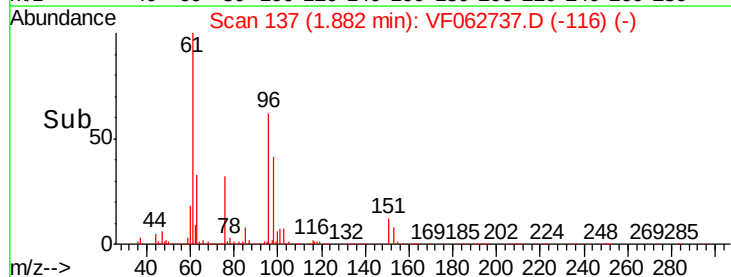
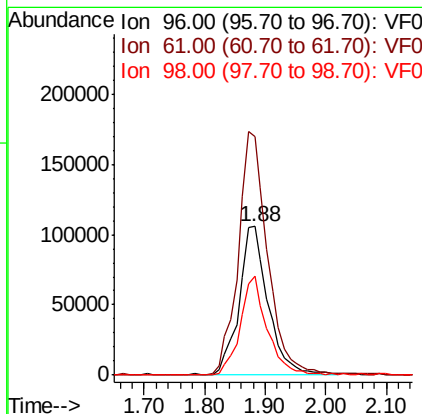
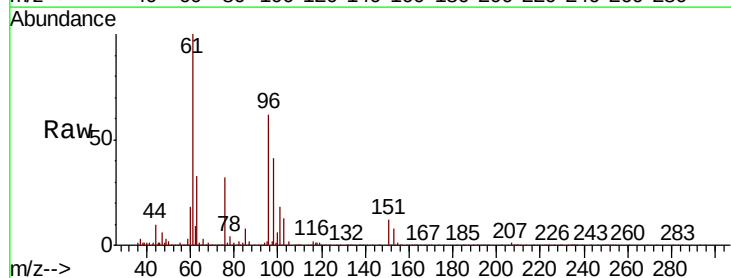
Tot Ion: 59 Resp: 80947
 Ion Ratio Lower Upper
 59 100
 57 8.9 9.3 13.9#

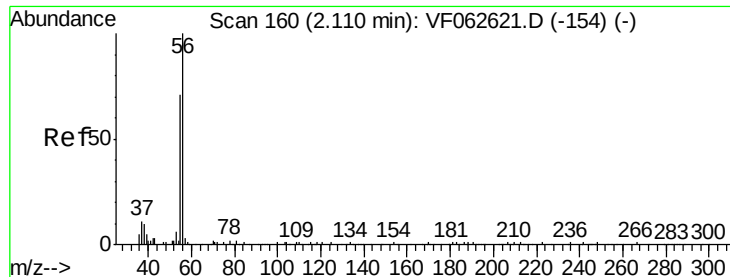


#12

1,1-Dichloroethene
 Concen: 48.912 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion: 96 Resp: 352353
 Ion Ratio Lower Upper
 96 100
 61 160.6 134.3 201.5
 98 66.2 55.0 82.6

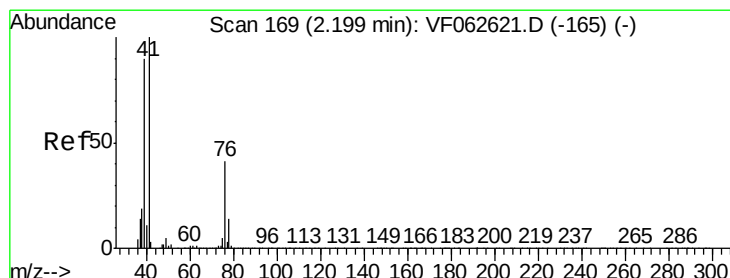
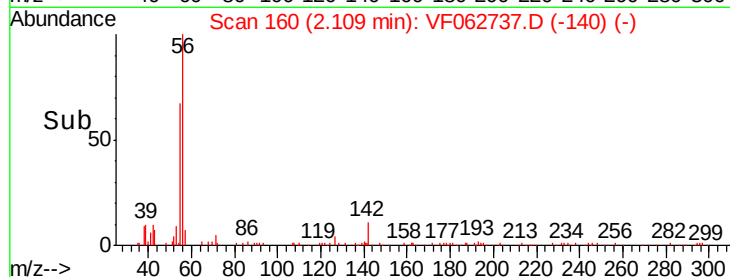
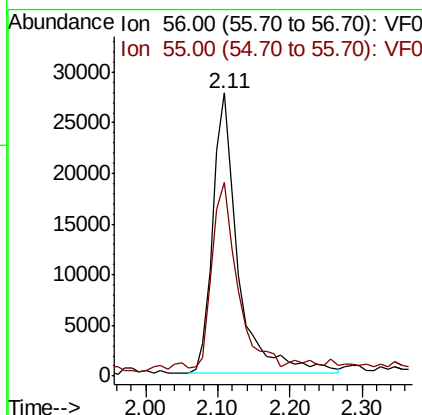
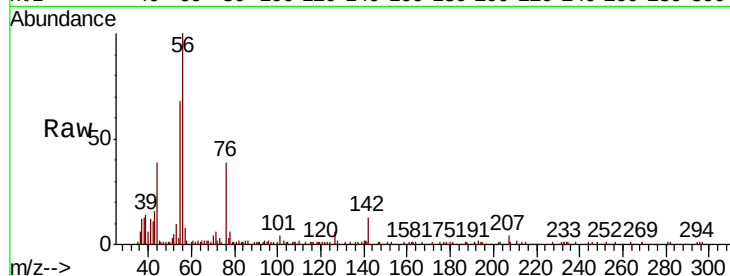




#13
Acrolein
Concen: 171.527 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

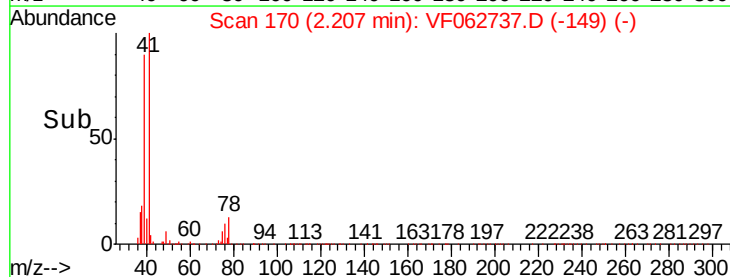
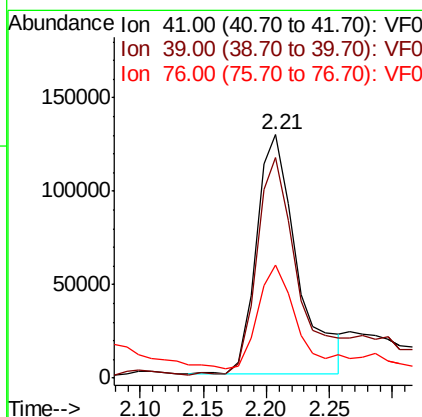
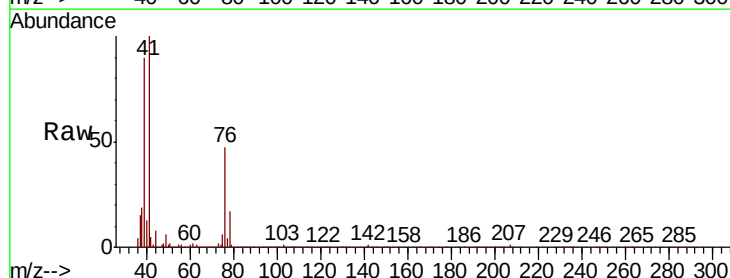
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

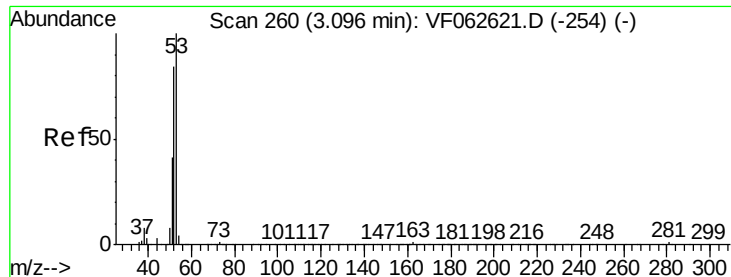
Tot Ion: 56 Resp: 66987
Ion Ratio Lower Upper
56 100
55 68.4 59.4 89.0



#14
Allyl chloride
Concen: 44.438 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 41 Resp: 289735
Ion Ratio Lower Upper
41 100
39 90.4 72.0 108.0
76 46.7 34.8 52.2





#15

Acrylonitrile

Concen: 189.297 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

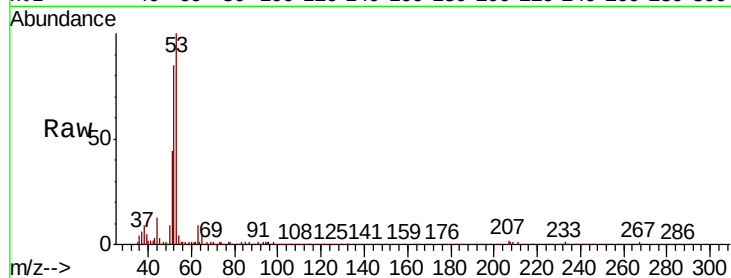
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 199773

Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.3	100.9
51	43.7	33.0	49.6

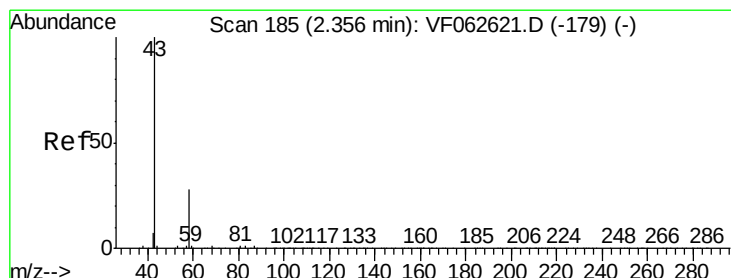
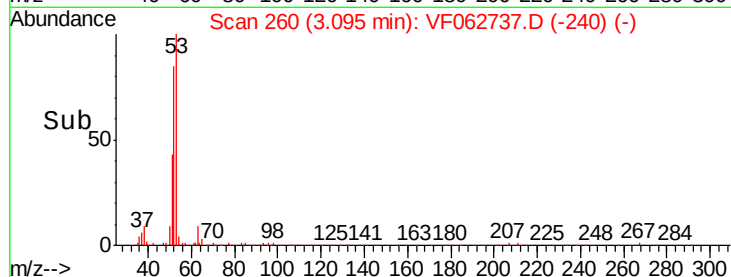


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 207.206 ug/l

RT: 2.36 min Scan# 185

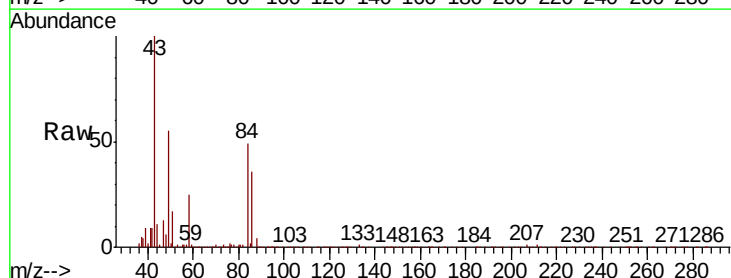
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion: 43 Resp: 304623

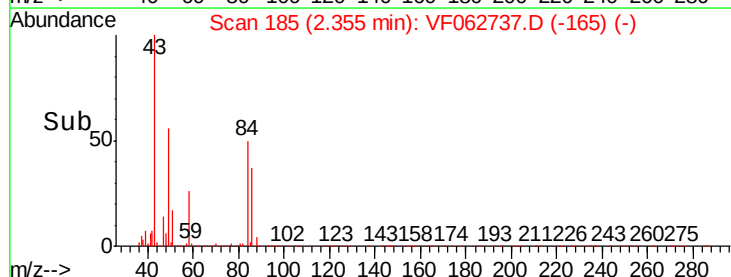
Ion	Ratio	Lower	Upper
43	100		
58	25.0	22.6	33.8

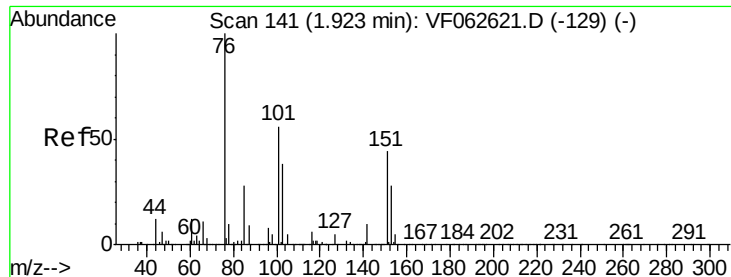


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

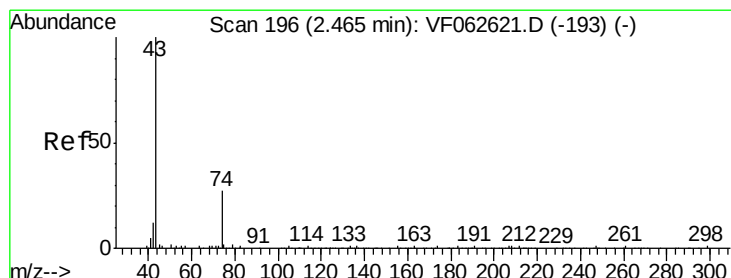
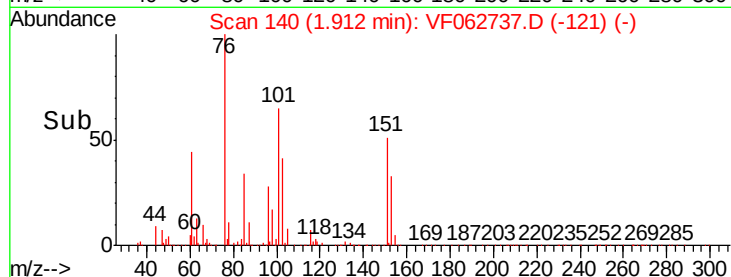
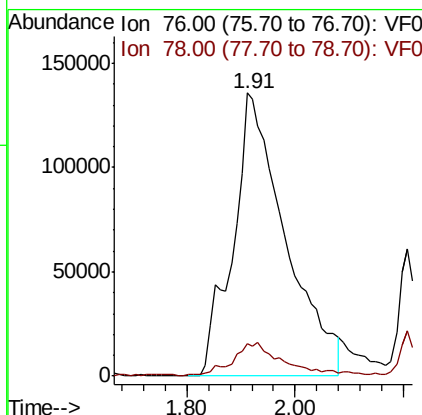
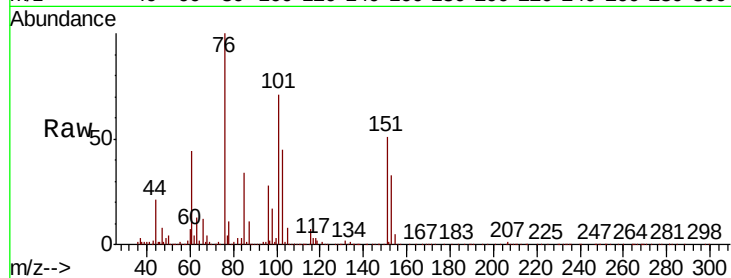




#17
Carbon Disulfide
Concen: 42.948 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

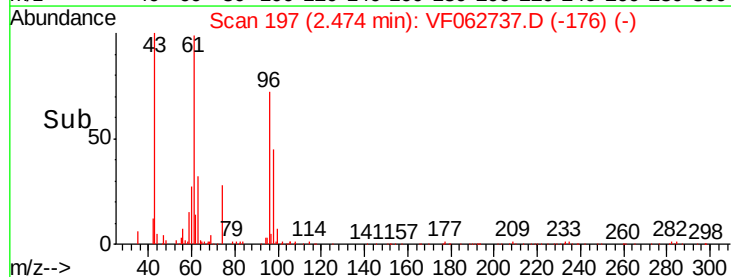
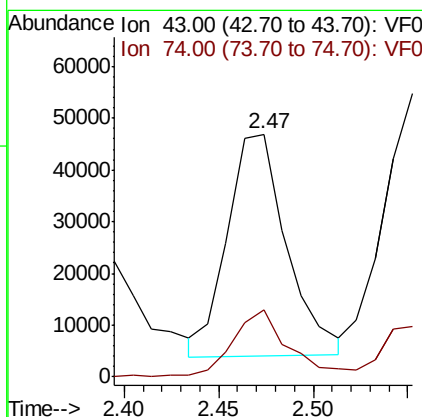
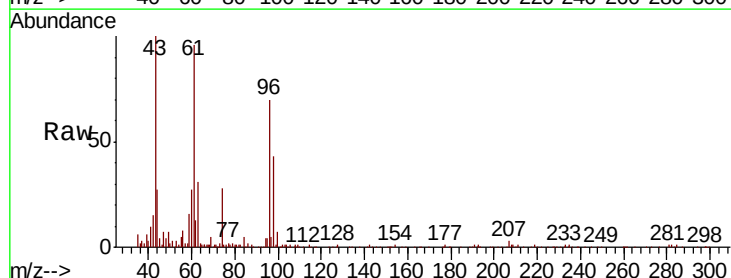
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

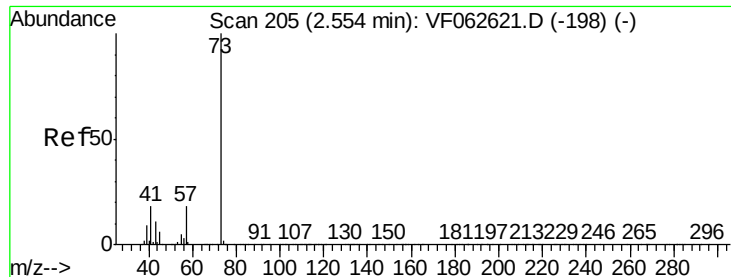
Tot Ion: 76 Resp: 917029
Ion Ratio Lower Upper
76 100
78 11.3 8.4 12.6



#18
Methyl Acetate
Concen: 40.428 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 43 Resp: 93399
Ion Ratio Lower Upper
43 100
74 27.9 18.9 28.3

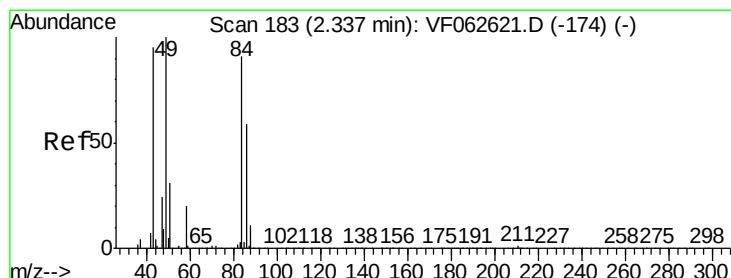
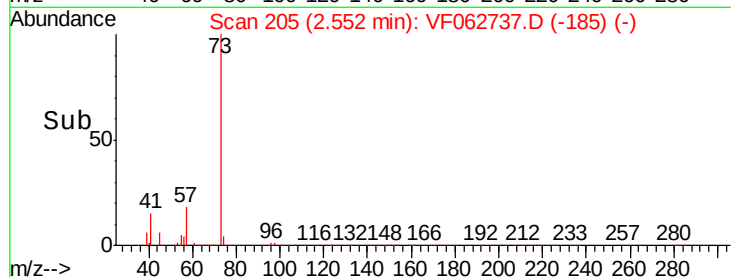
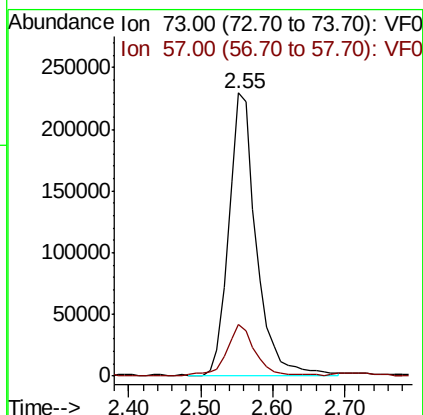
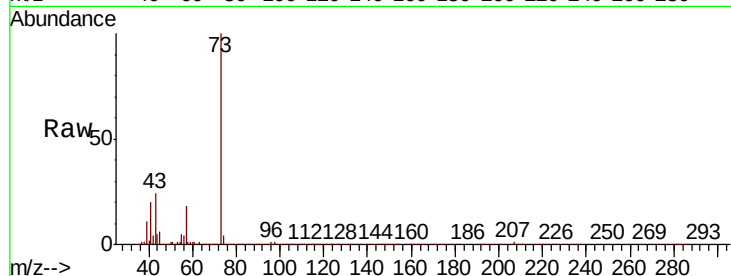




#19
Methyl tert-butyl Ether
Concen: 46.873 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

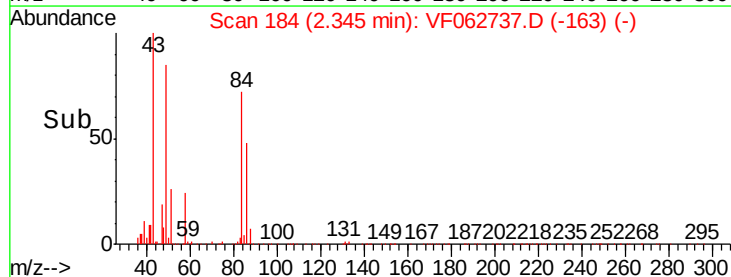
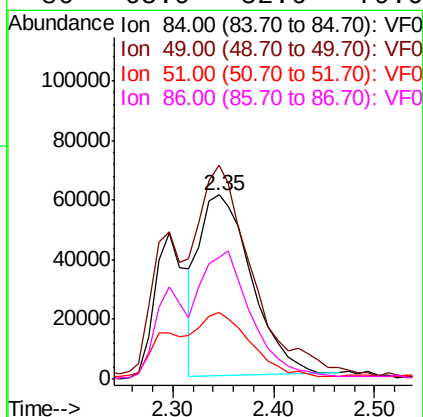
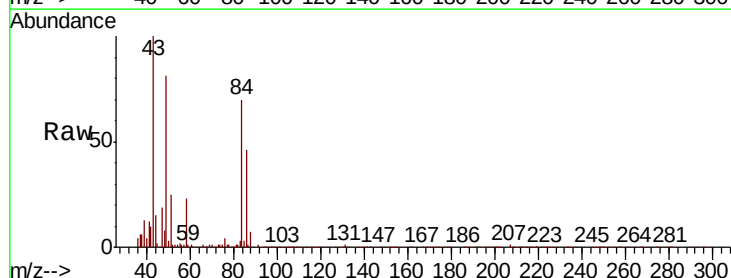
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

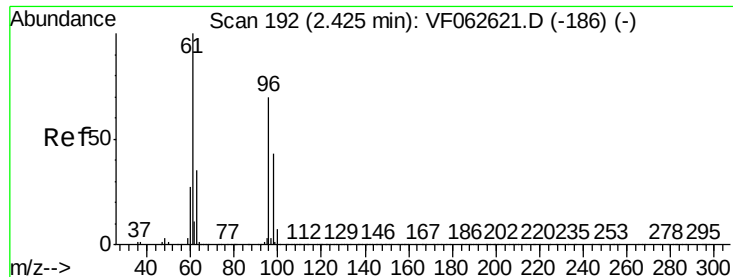
Tot Ion: 73 Resp: 603634
Ion Ratio Lower Upper
73 100
57 18.3 14.2 21.4



#20
Methylene Chloride
Concen: 29.543 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 84 Resp: 217704
Ion Ratio Lower Upper
84 100
49 116.2 89.8 134.8
51 35.9 28.4 42.6
86 65.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 48.702 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

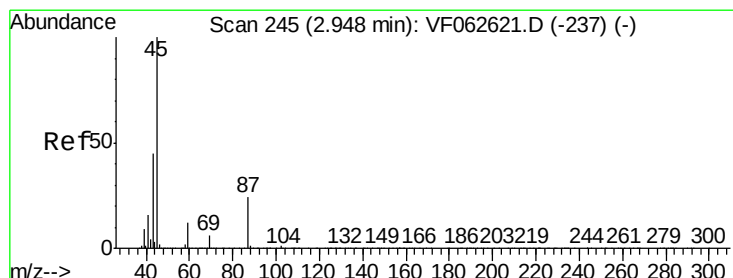
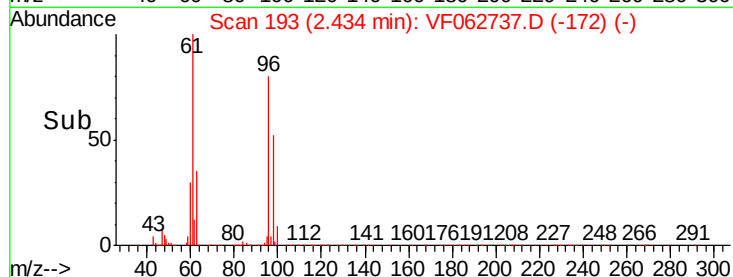
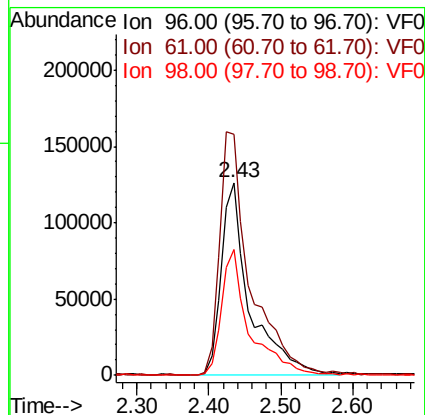
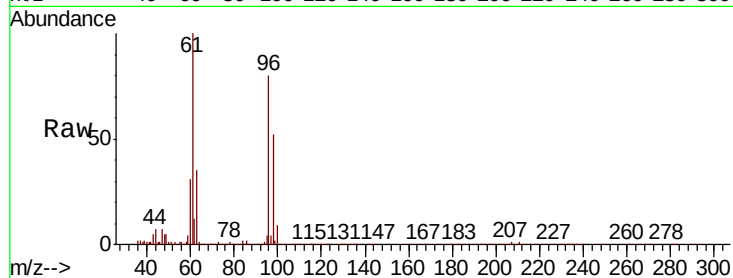
Tot Ion: 96 Resp: 342921

Ion Ratio Lower Upper

96 100

61 124.9 114.6 171.8

98 65.2 49.5 74.3



#22

Diisopropyl ether

Concen: 48.524 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion: 45 Resp: 780287

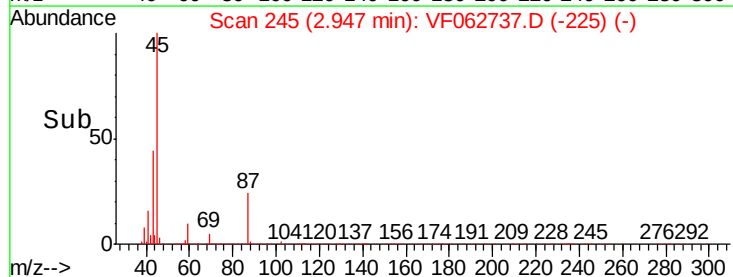
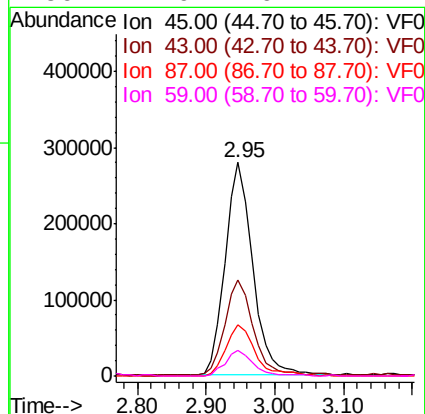
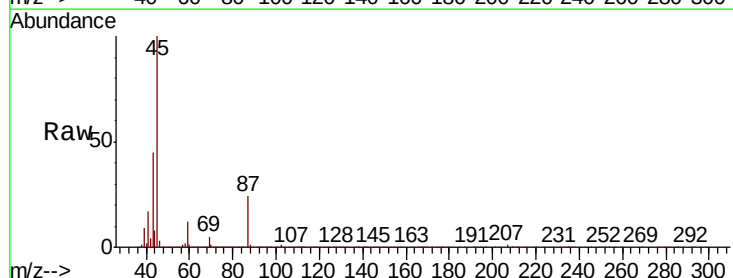
Ion Ratio Lower Upper

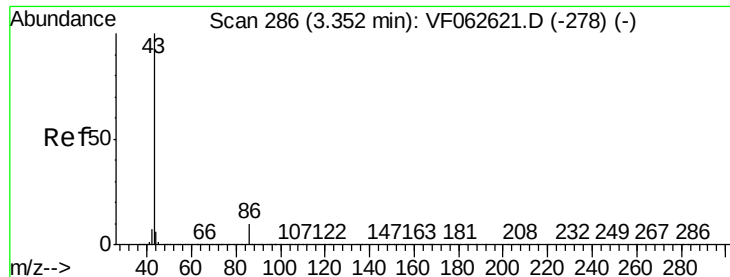
45 100

43 45.0 36.4 54.6

87 24.2 19.3 28.9

59 11.9 9.4 14.2





#23

Vinyl Acetate

Concen: 231.716 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

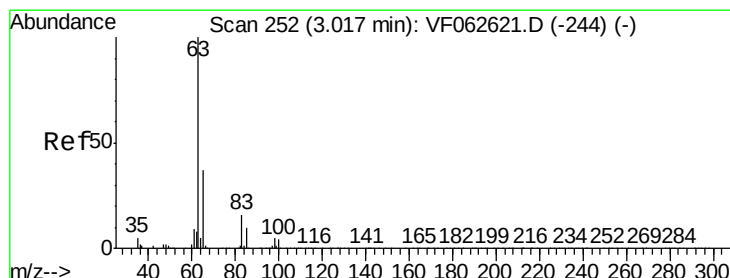
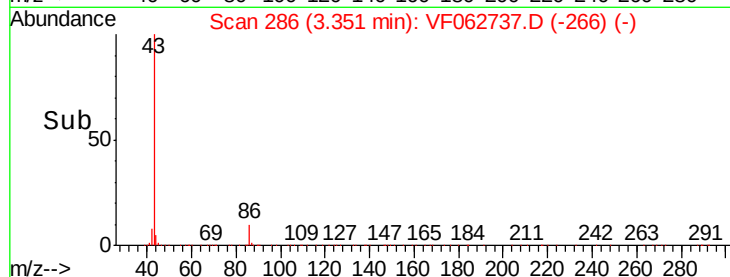
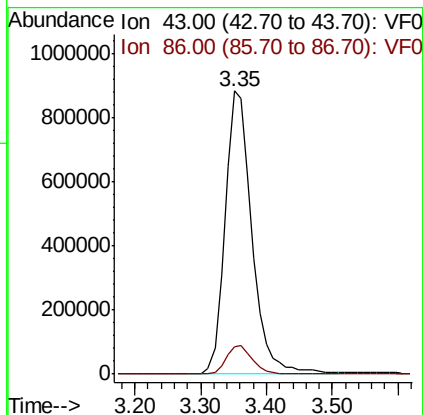
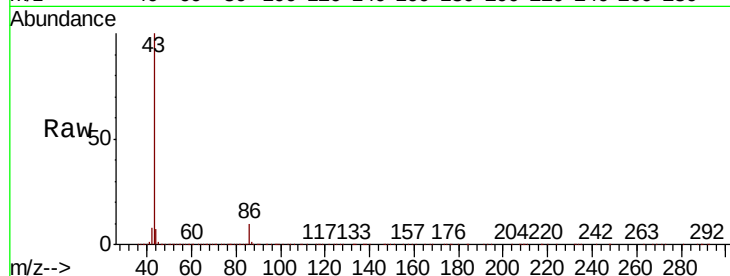
VSTDCCC050EC

Tot Ion: 43 Resp: 2513547

Ion Ratio Lower Upper

43 100

86 9.8 8.2 12.2



#24

1,1-Dichloroethane

Concen: 47.357 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

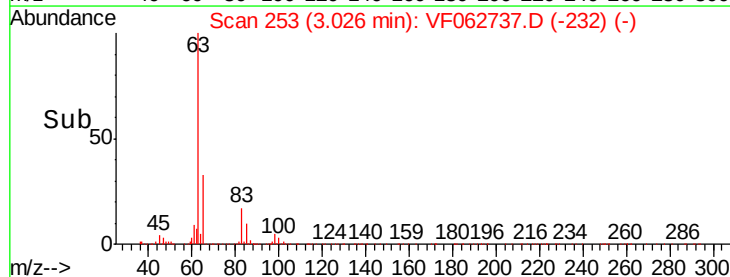
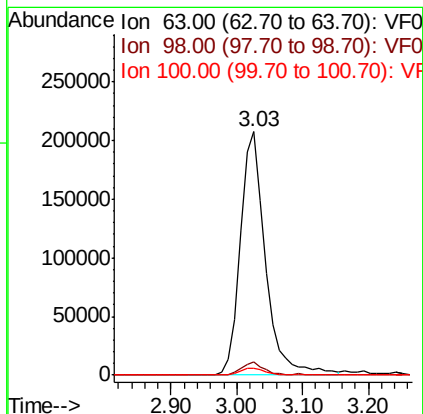
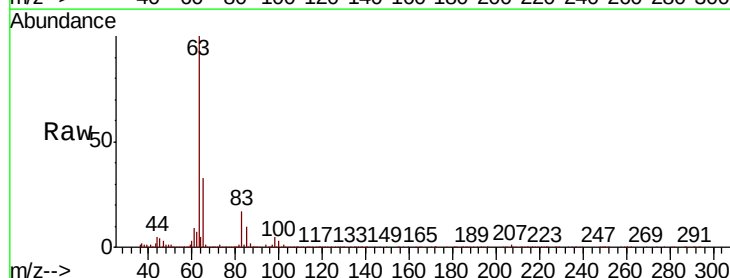
Tgt Ion: 63 Resp: 558655

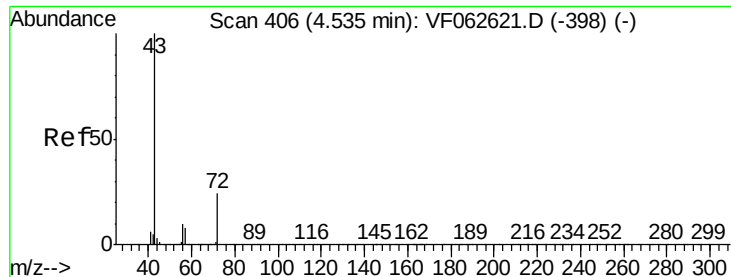
Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

100 3.0 1.9 5.7

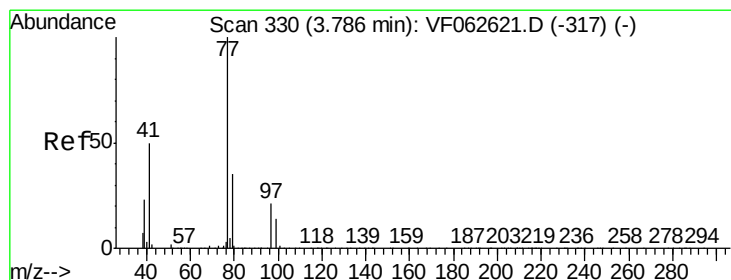
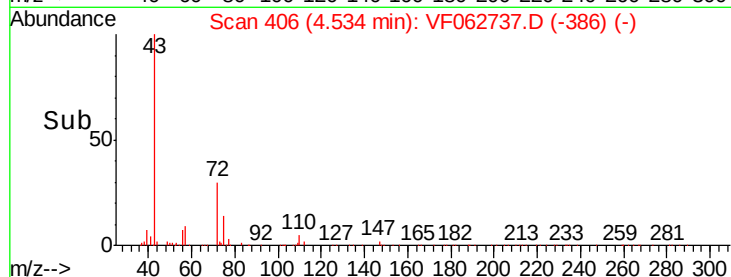
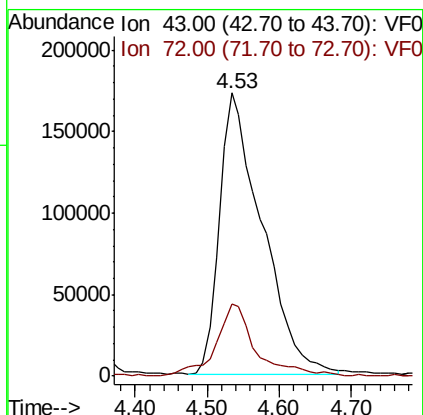
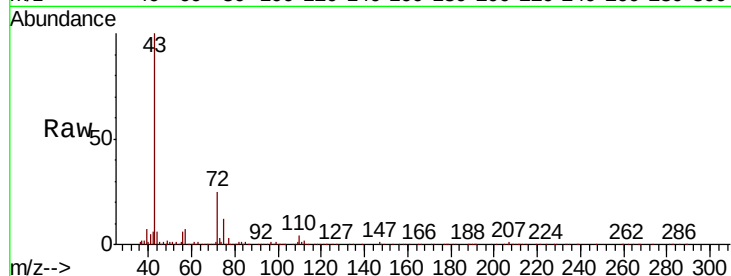




#25
2-Butanone
Concen: 224.880 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

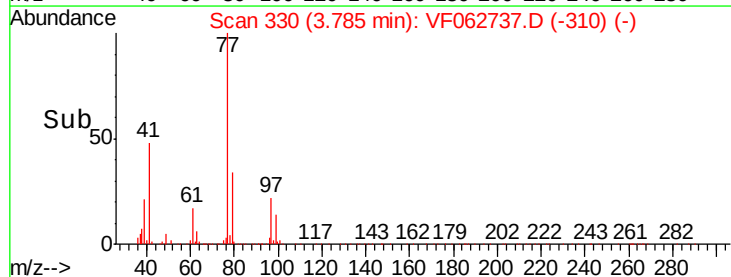
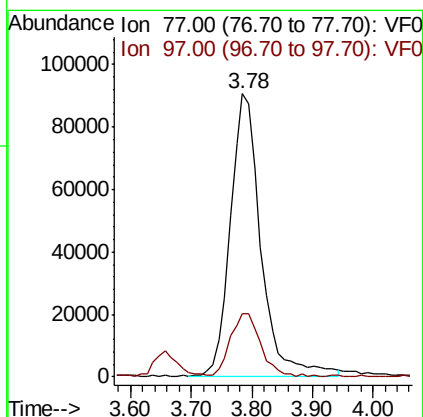
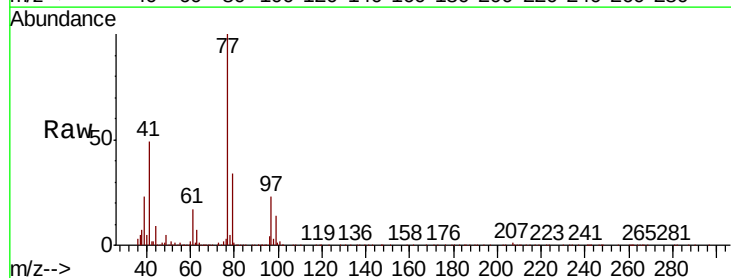
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

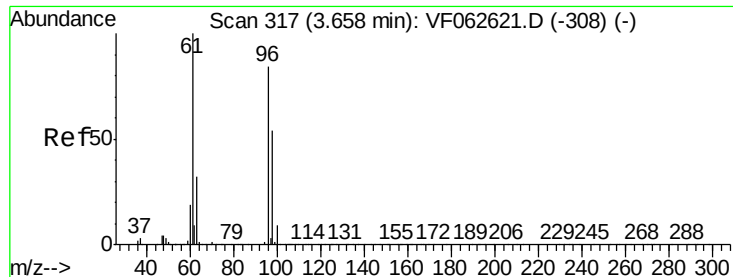
Tot Ion: 43 Resp: 706337
Ion Ratio Lower Upper
43 100
72 25.3 20.1 30.1



#26
2,2-Dichloropropane
Concen: 46.714 ug/l
RT: 3.78 min Scan# 330
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 77 Resp: 315303
Ion Ratio Lower Upper
77 100
97 22.5 14.1 42.4



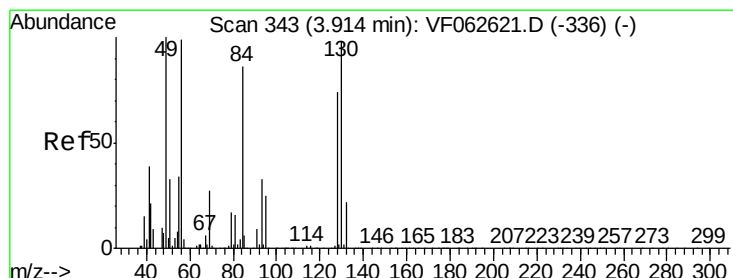
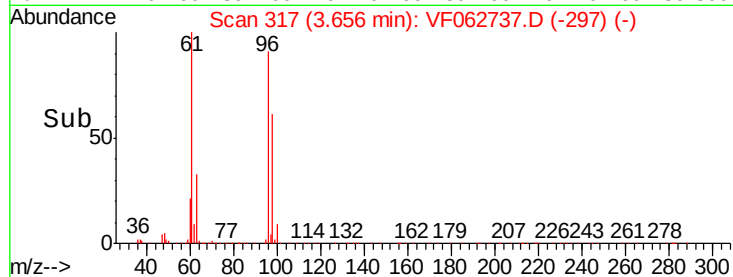
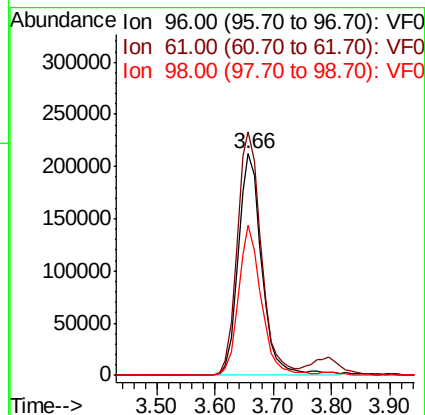
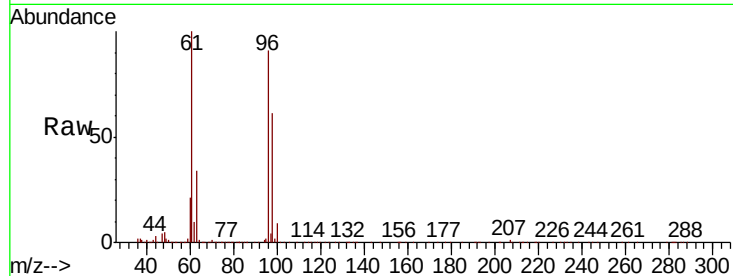


#27

cis-1,2-Dichloroethene
 Concen: 51.621 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

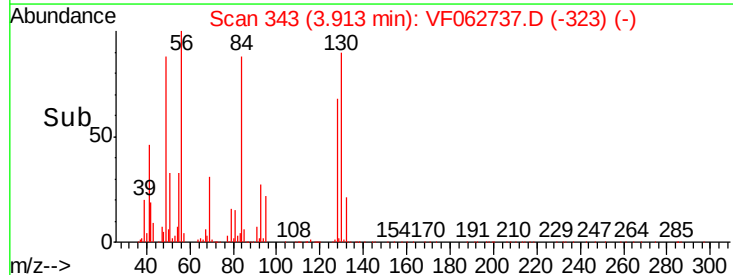
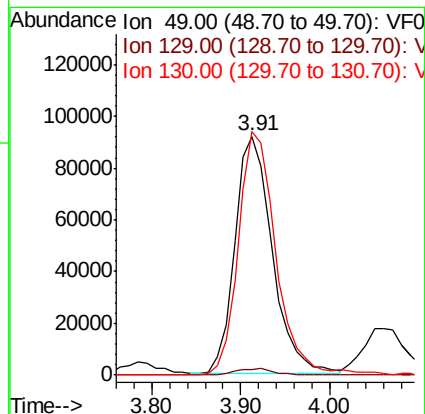
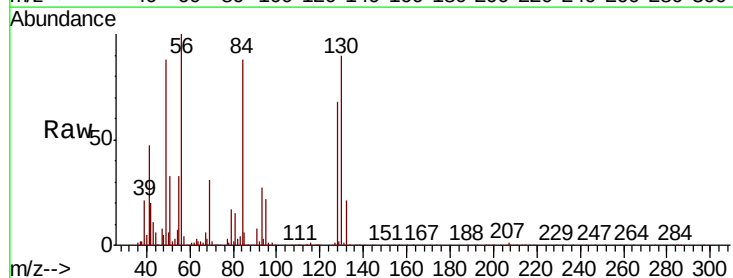
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.1	0.0	237.4
98	67.6	0.0	129.0

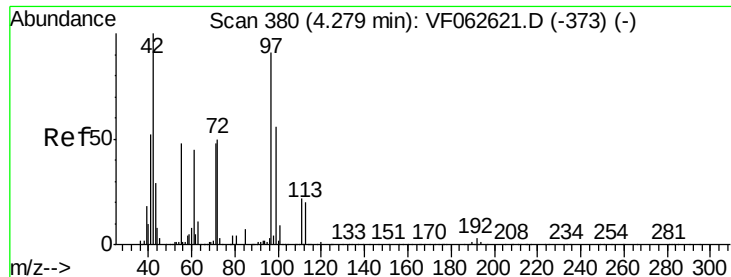


#28

Bromochloromethane
 Concen: 40.576 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	101.9	77.8	116.8





#29

Tetrahydrofuran

Concen: 220.976 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

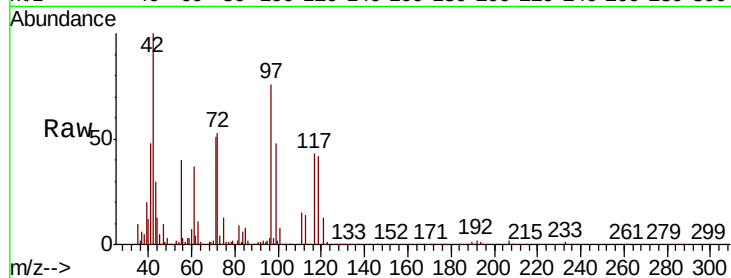
Tot Ion: 42 Resp: 280868

Ion Ratio Lower Upper

42 100

72 49.8 38.2 57.2

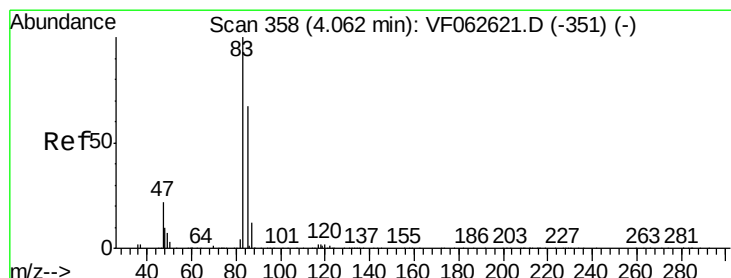
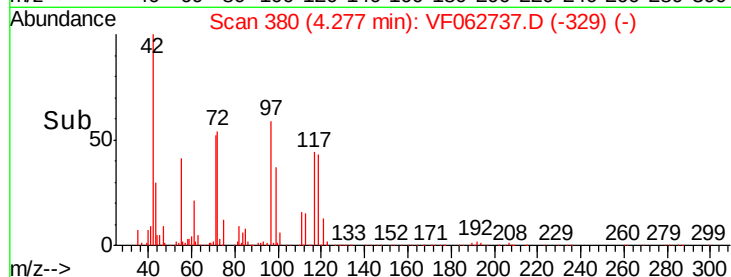
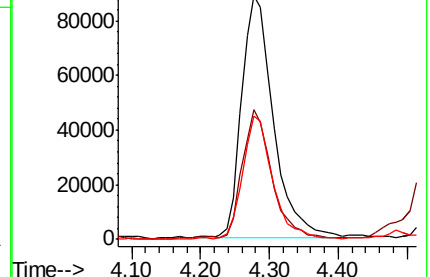
71 48.9 35.8 53.6



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: 50.532 ug/l

RT: 4.06 min Scan# 358

Delta R.T. -0.00 min

Lab File: VF062737.D

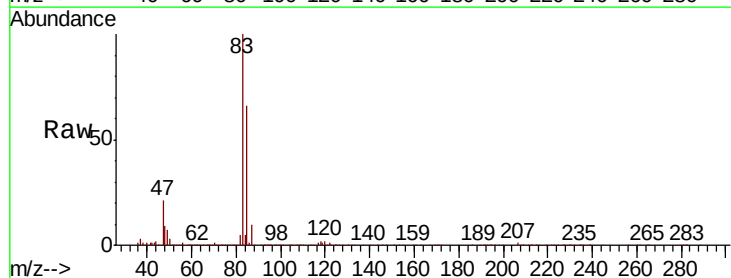
Acq: 23 May 2019 20:31

Tgt Ion: 83 Resp: 827640

Ion Ratio Lower Upper

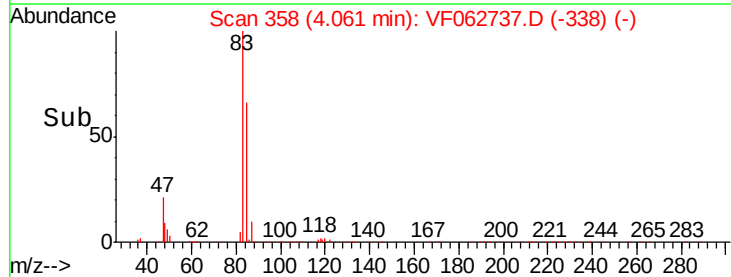
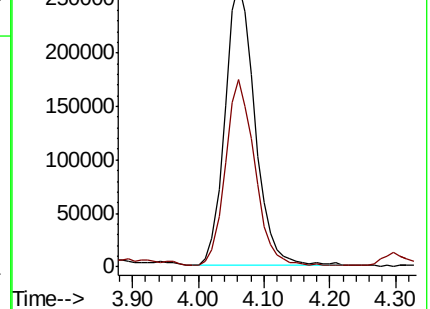
83 100

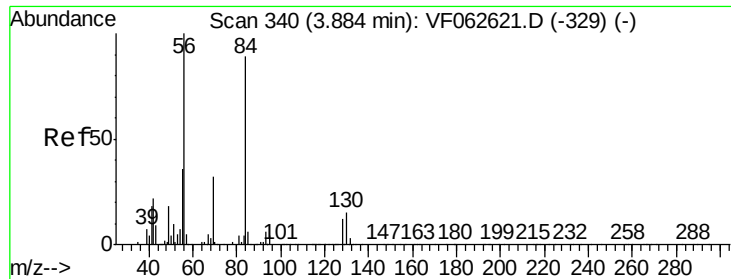
85 66.2 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 47.530 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

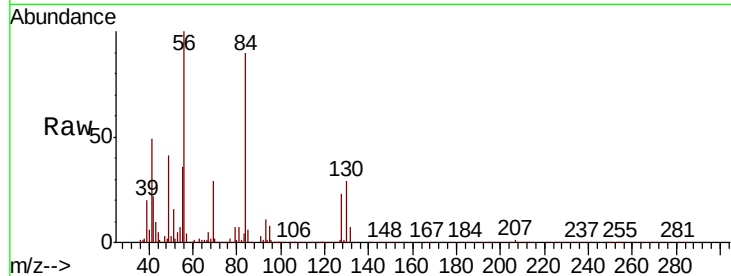
Tot Ion: 56 Resp: 752857

Ion Ratio Lower Upper

56 100

69 29.3 25.3 37.9

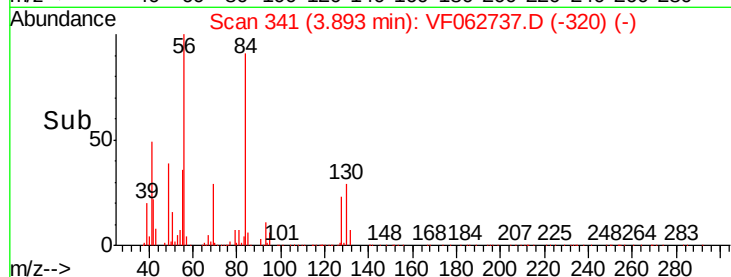
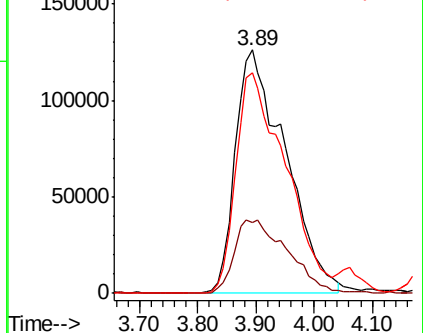
84 90.5 71.0 106.4



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: 48.844 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

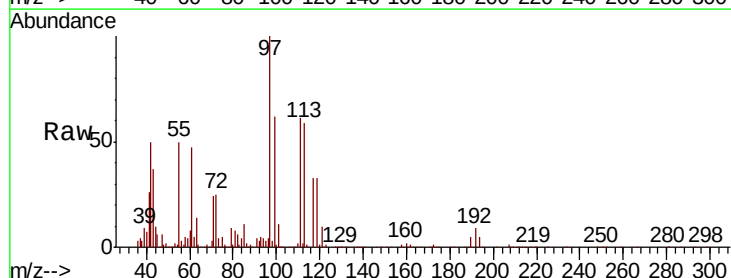
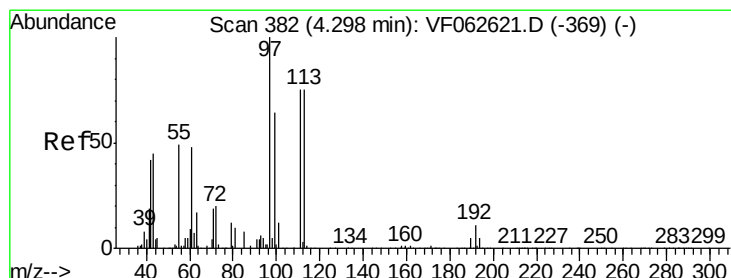
Tgt Ion: 97 Resp: 531294

Ion Ratio Lower Upper

97 100

99 62.5 51.3 76.9

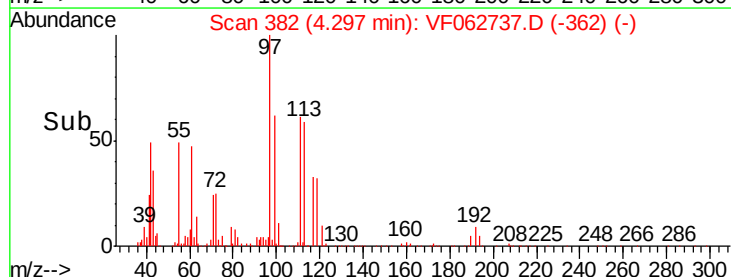
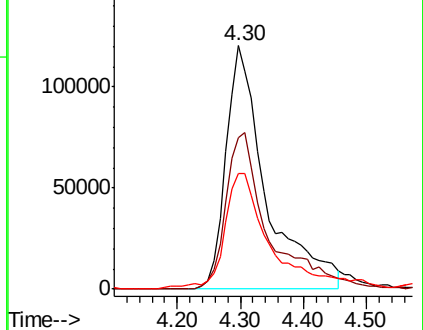
61 47.3 38.2 57.2

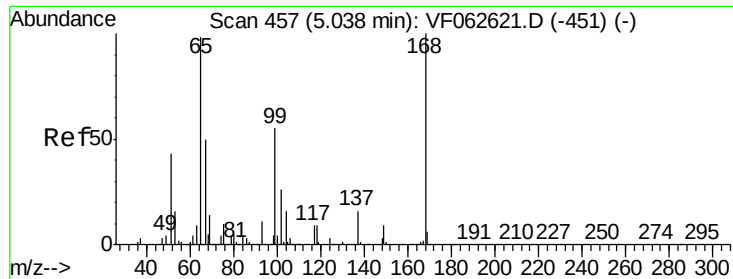


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

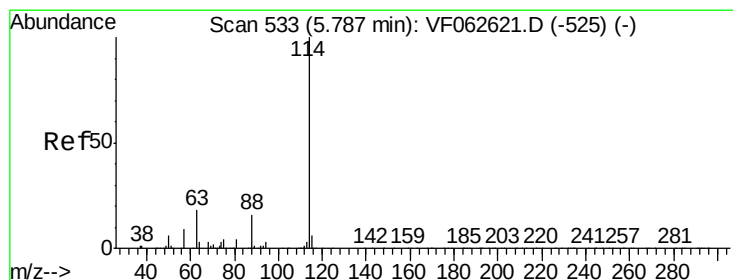
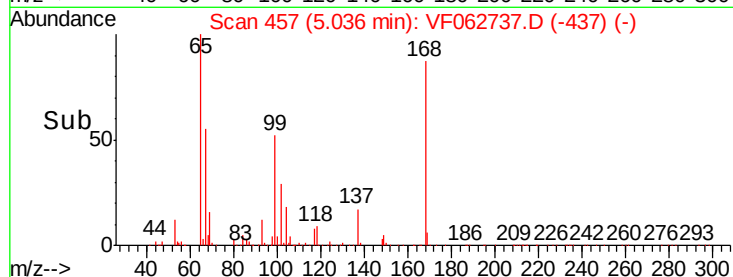
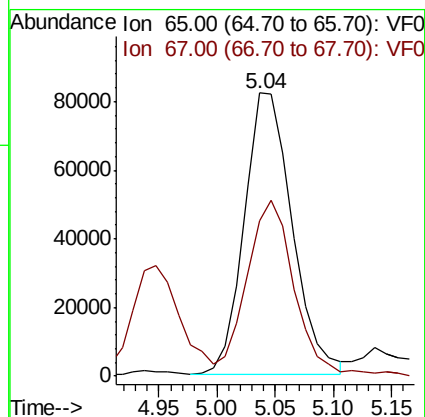
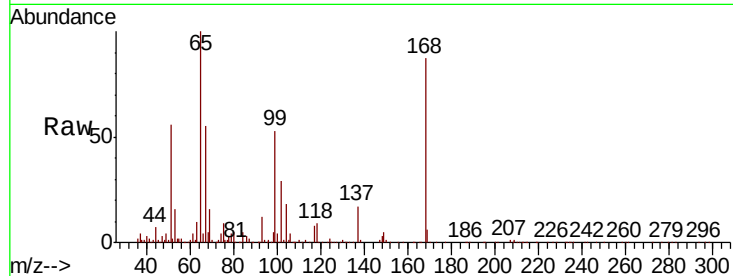




#33
 1,2-Dichloroethane-d4
 Concen: 41.367 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

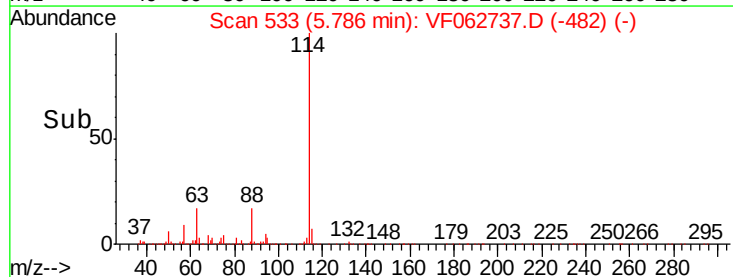
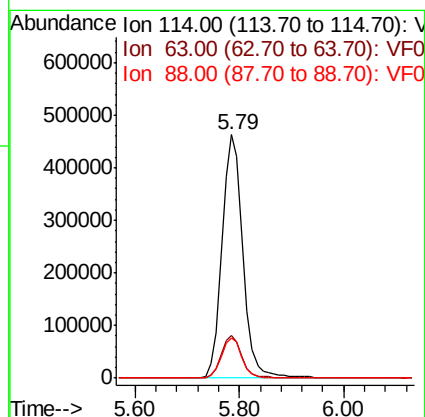
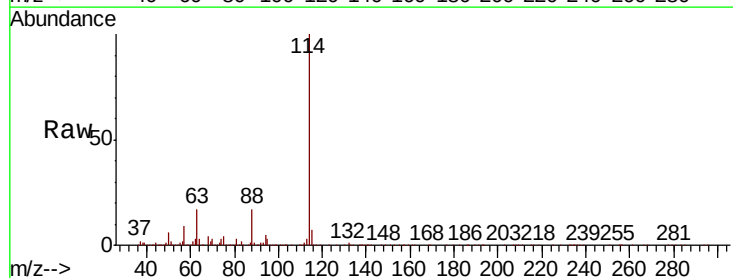
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

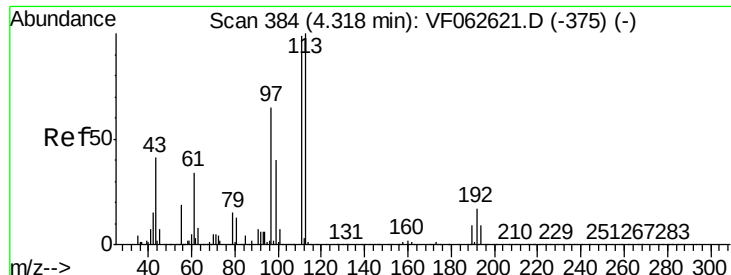
Tot Ion: 65 Resp: 234415
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion: 114 Resp: 1280009
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.4
 88 16.6 0.0 32.4

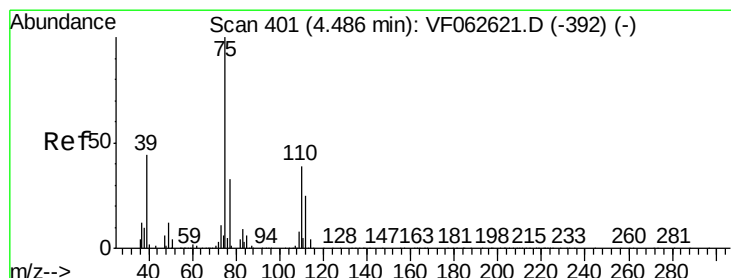
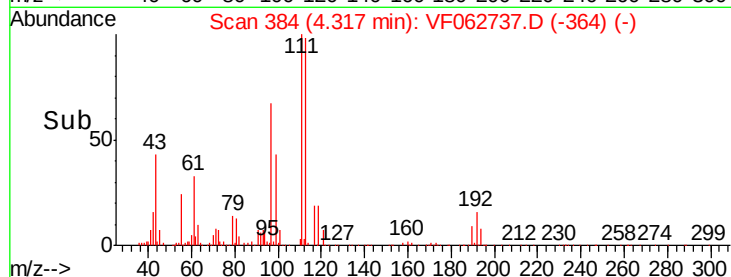
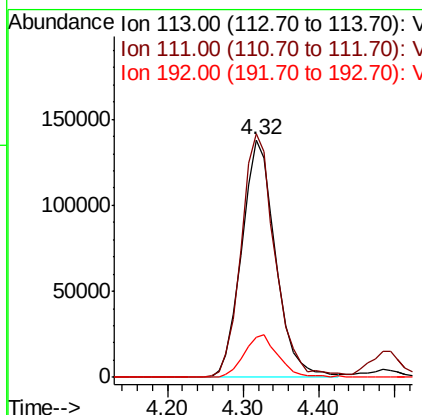
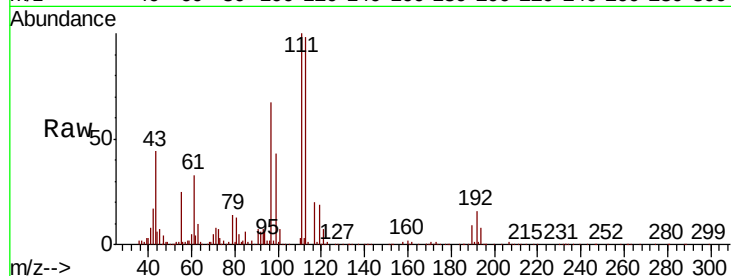




#35
 Dibromofluoromethane
 Concen: 43.771 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

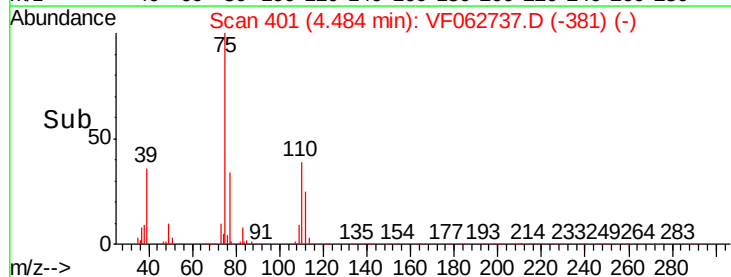
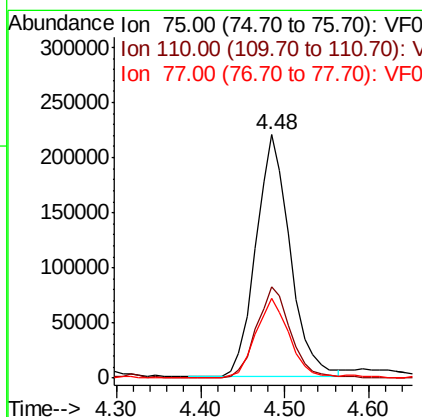
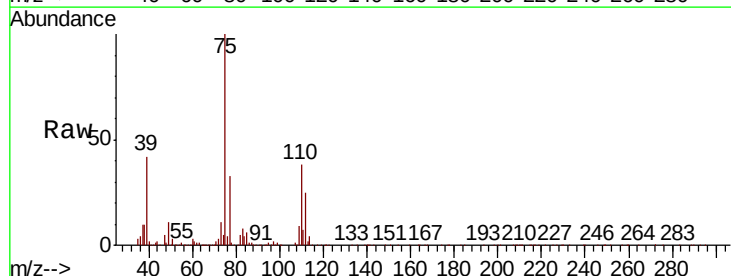
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

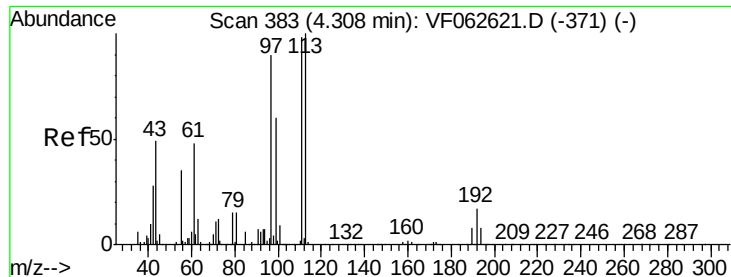
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.4	119.2
192	16.9	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 47.864 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.7	59.1
77	32.7	26.3	39.5





#37

Ethyl Acetate

Concen: 44.846 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

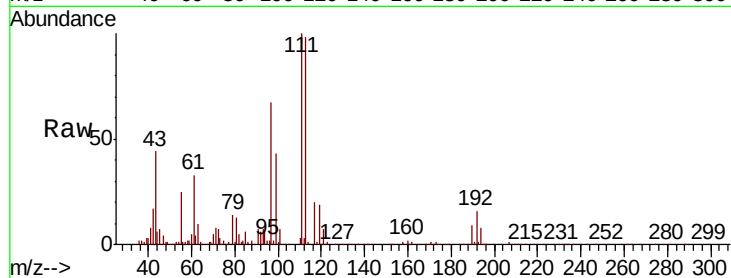
Tot Ion: 43 Resp: 240167

Ion Ratio Lower Upper

43 100

61 74.1 76.9 115.3#

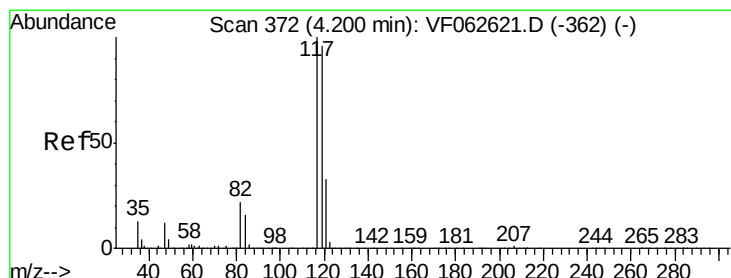
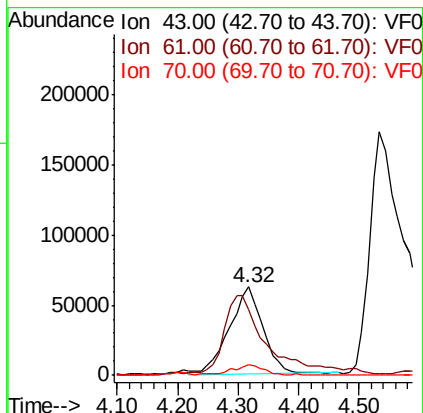
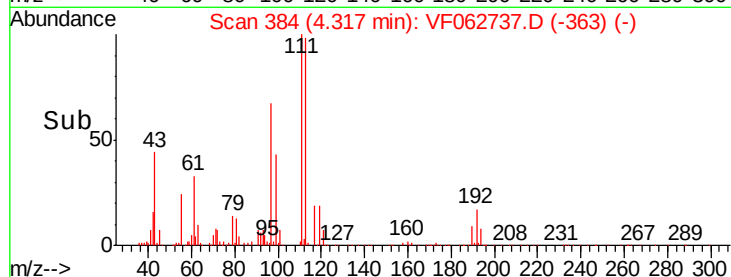
70 11.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 49.165 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

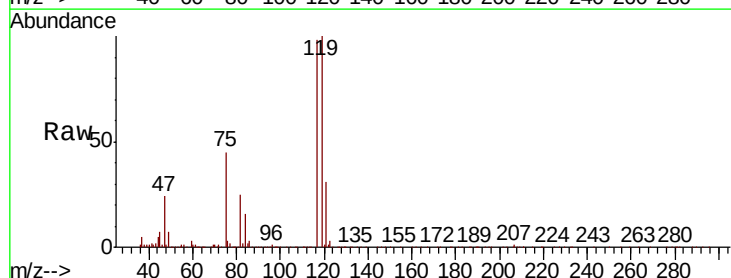
Tgt Ion: 117 Resp: 484985

Ion Ratio Lower Upper

117 100

119 102.2 76.7 115.1

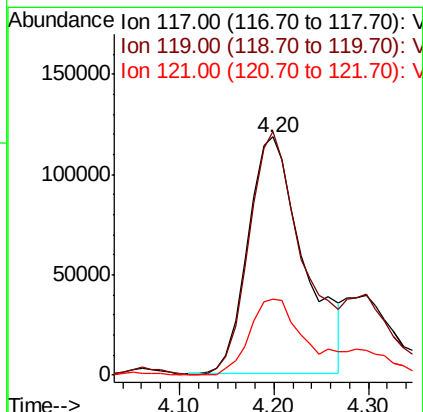
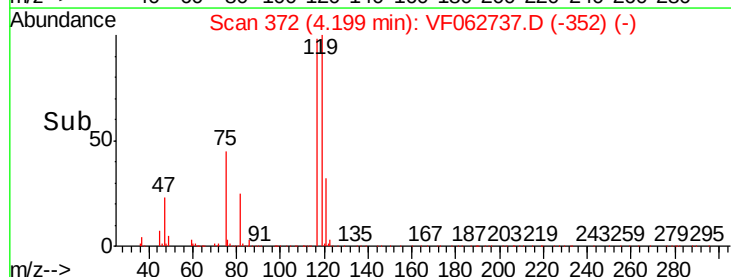
121 32.1 26.6 40.0

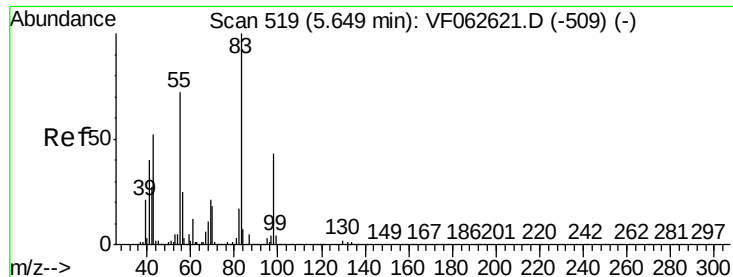


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

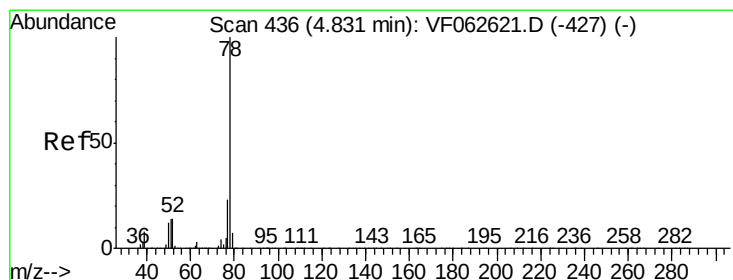
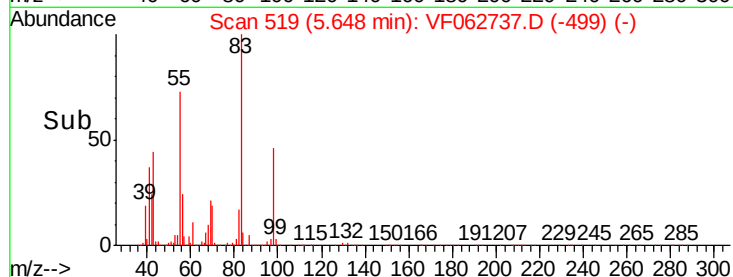
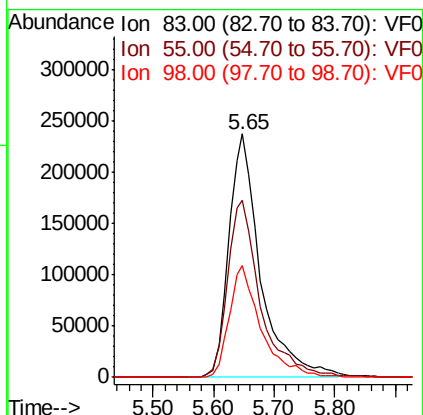
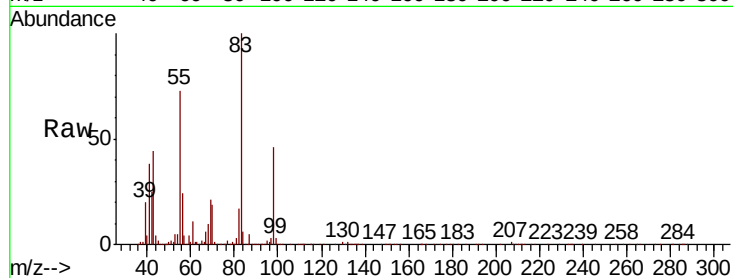




#39
Methylvlcyclohexane
Concen: 54.534 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

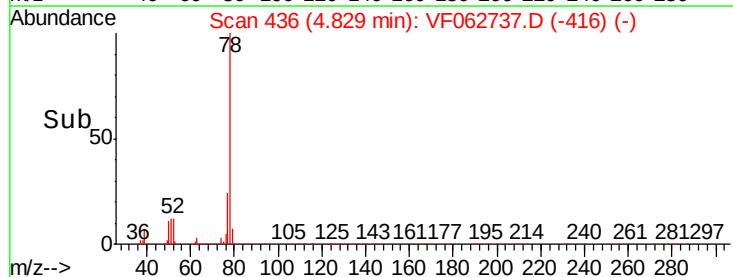
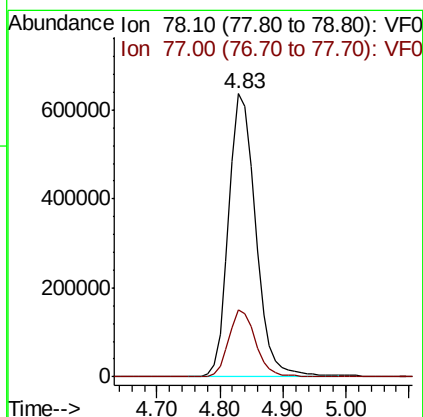
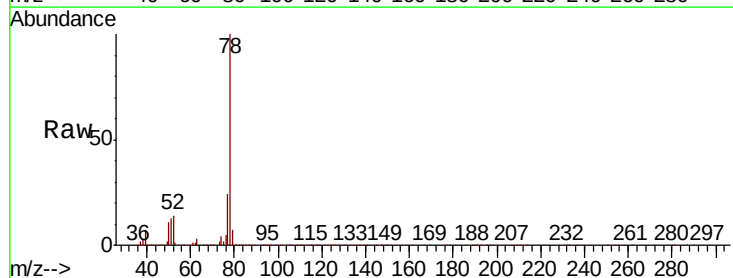
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

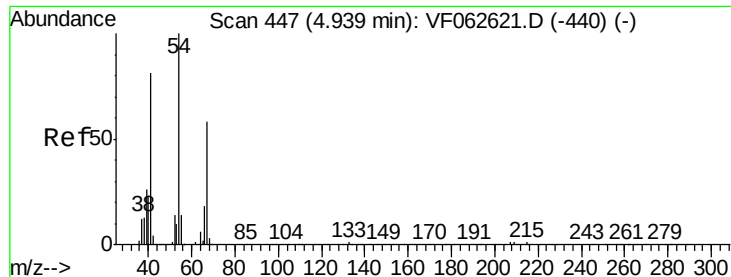
Tot Ion: 83 Resp: 860658
Ion Ratio Lower Upper
83 100
55 72.9 57.9 86.9
98 46.0 34.6 52.0



#40
Benzene
Concen: 53.077 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 78 Resp: 1896547
Ion Ratio Lower Upper
78 100
77 23.8 18.2 27.2





#41

Methacrylonitrile

Concen: 48.571 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 136371

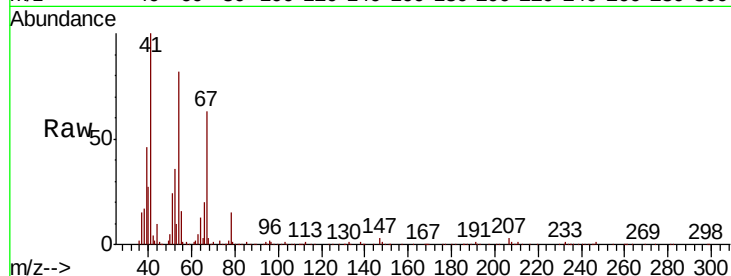
Ion Ratio Lower Upper

41 100

39 45.9 42.2 63.2

67 62.7 56.4 84.6

52 35.6 38.8 58.2#

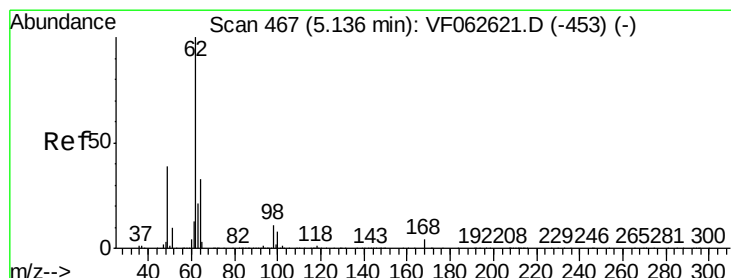
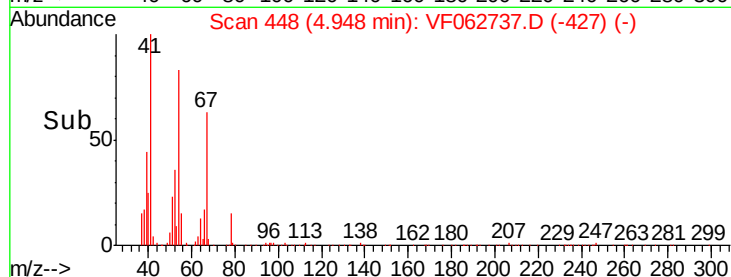
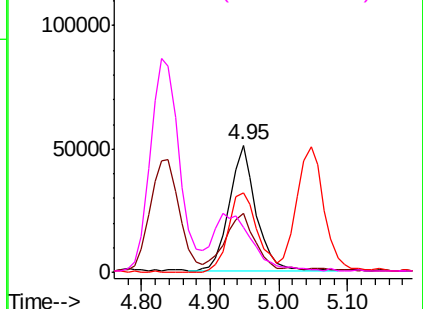


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 50.603 ug/l

RT: 5.14 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062737.D

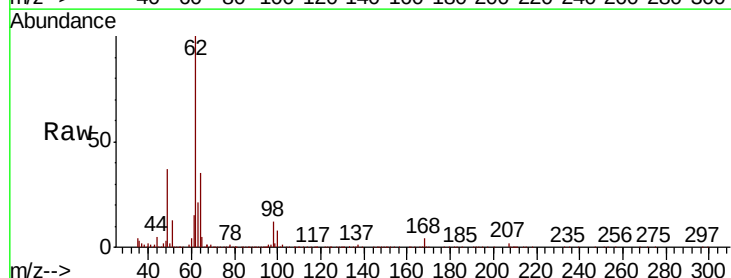
Acq: 23 May 2019 20:31

Tgt Ion: 62 Resp: 360574

Ion Ratio Lower Upper

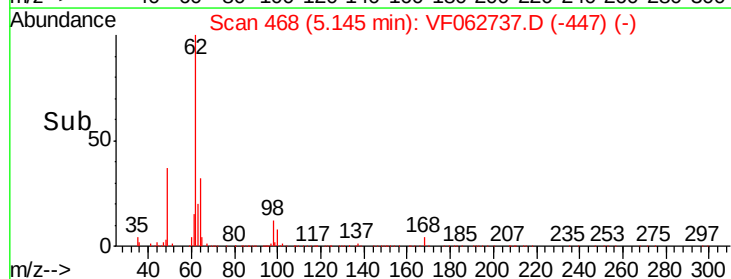
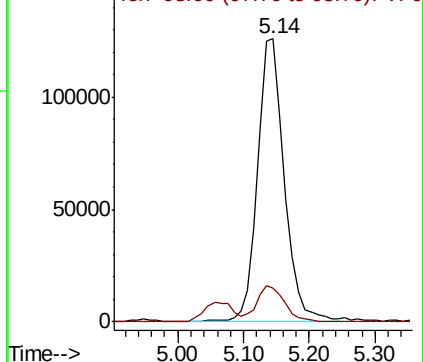
62 100

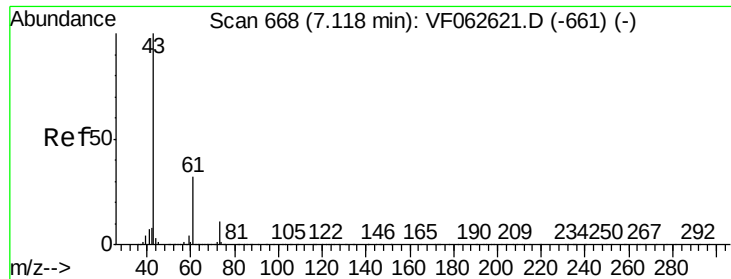
98 12.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 46.404 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

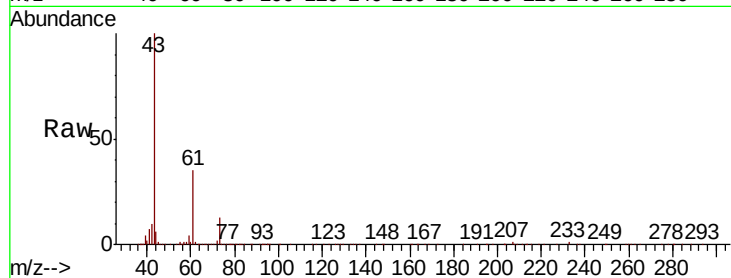
Tot Ion: 43 Resp: 321955

Ion Ratio Lower Upper

43 100

61 35.5 25.8 38.8

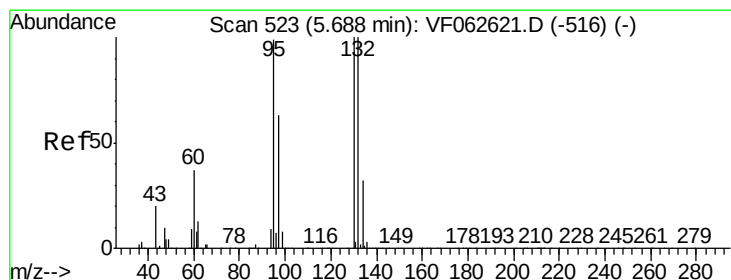
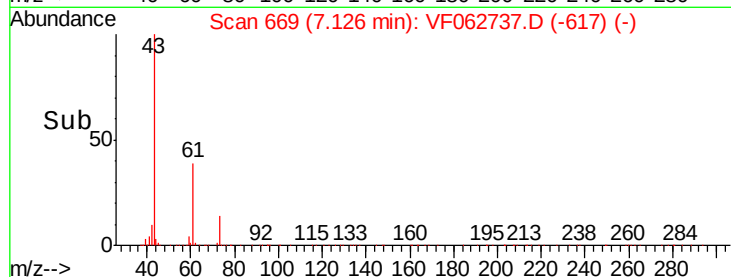
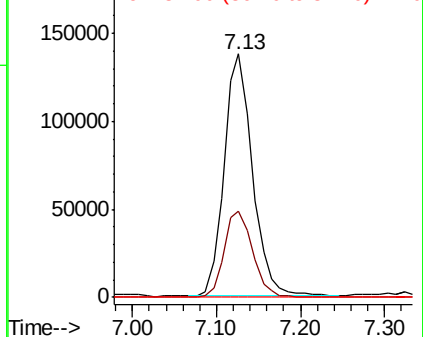
87 0.4 0.4 0.6#



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: 53.698 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062737.D

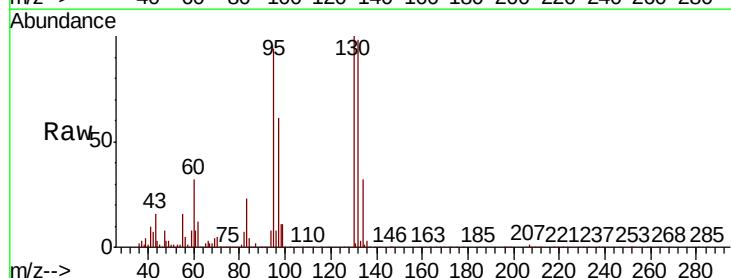
Acq: 23 May 2019 20:31

Tgt Ion:130 Resp: 539269

Ion Ratio Lower Upper

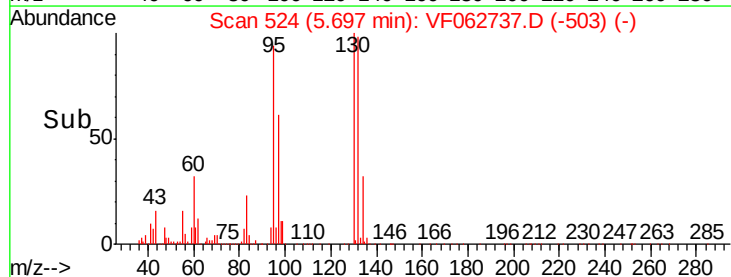
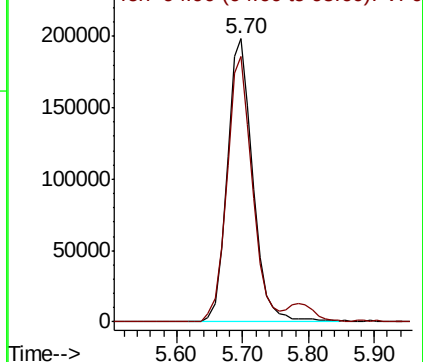
130 100

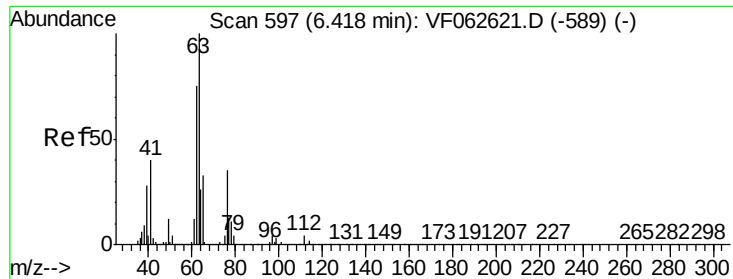
95 94.0 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

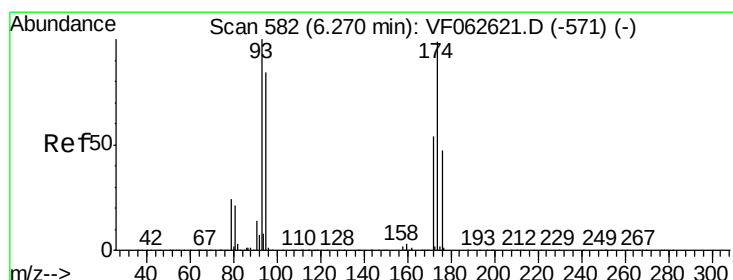
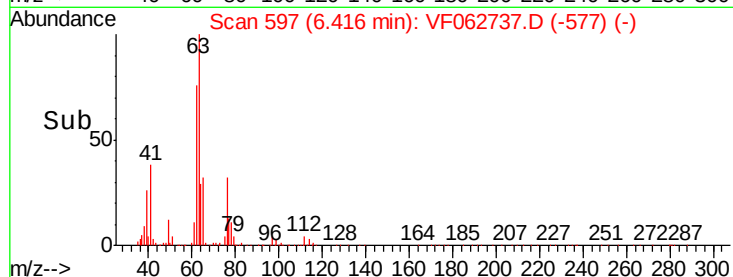
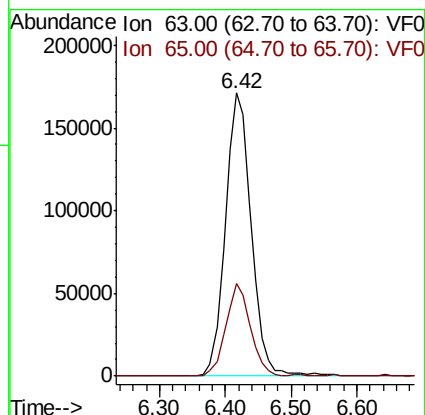
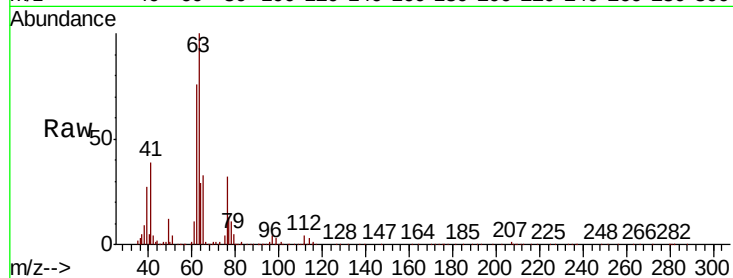




#45
 1,2-Dichloropropane
 Concen: 52.242 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

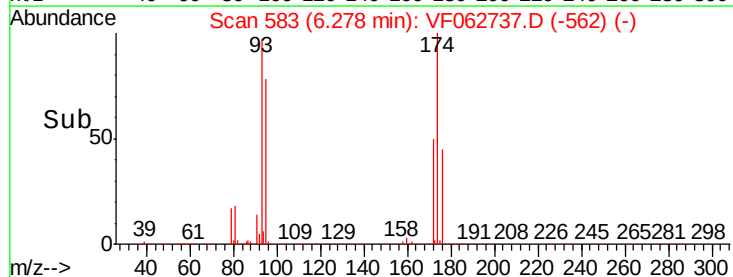
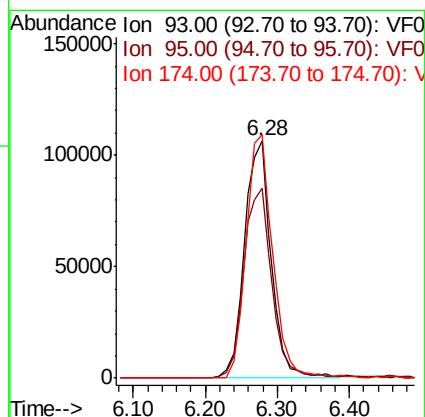
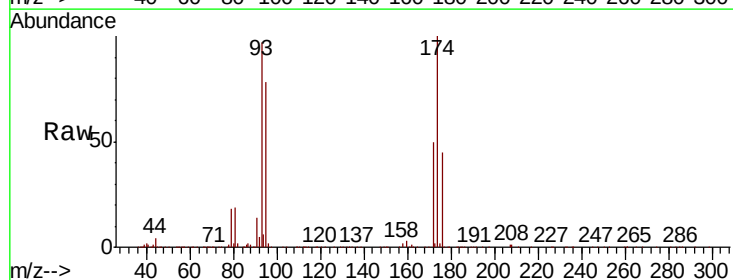
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

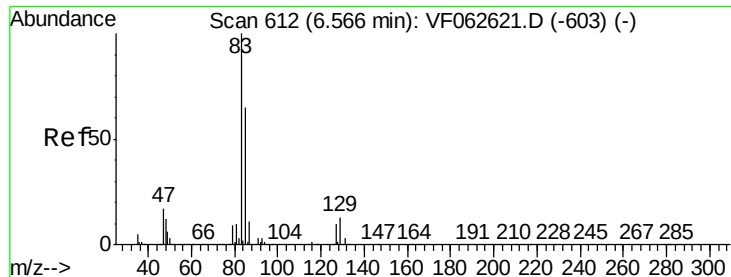
Tot Ion: 63 Resp: 471224
 Ion Ratio Lower Upper
 63 100
 65 32.6 26.3 39.5



#46
 Dibromomethane
 Concen: 52.666 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion: 93 Resp: 274541
 Ion Ratio Lower Upper
 93 100
 95 79.8 67.4 101.2
 174 104.3 79.4 119.2





#47

Bromodichloromethane

Concen: 51.989 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

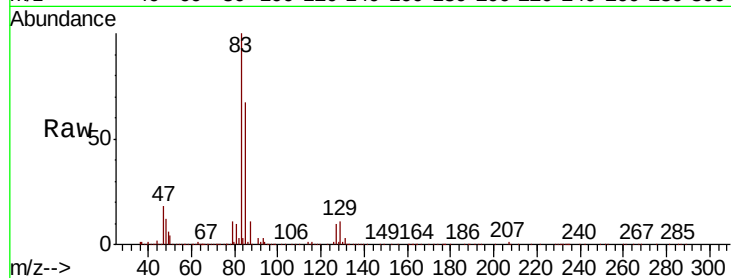
Tot Ion: 83 Resp: 562625

Ion Ratio Lower Upper

83 100

85 66.9 52.0 78.0

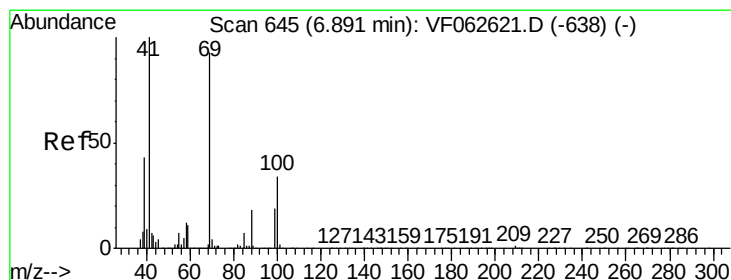
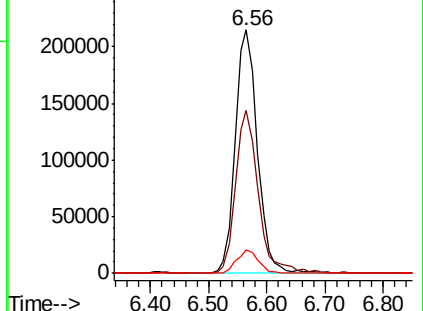
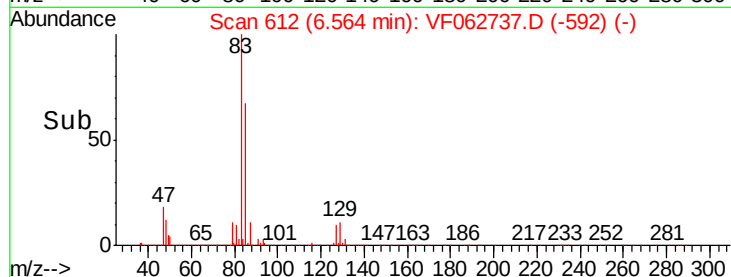
127 9.6 7.7 11.5



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: 51.929 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

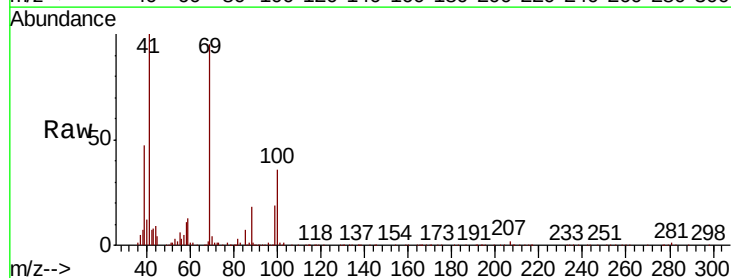
Tgt Ion: 41 Resp: 188314

Ion Ratio Lower Upper

41 100

69 95.1 74.2 111.2

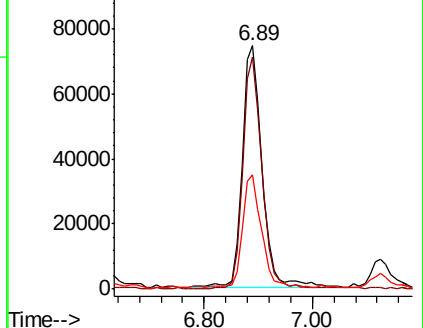
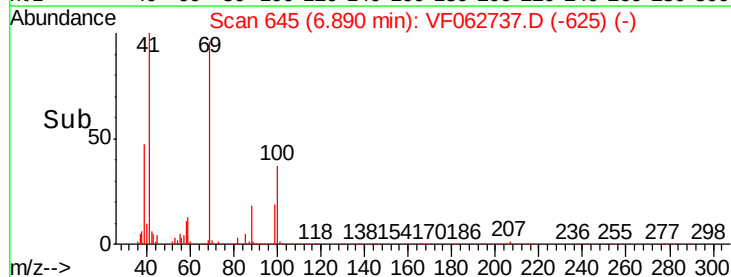
39 47.2 34.2 51.4

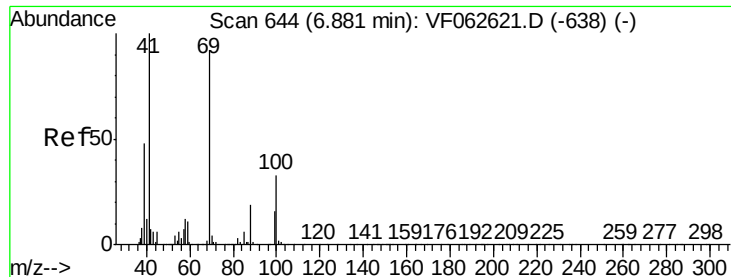


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1010.471 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

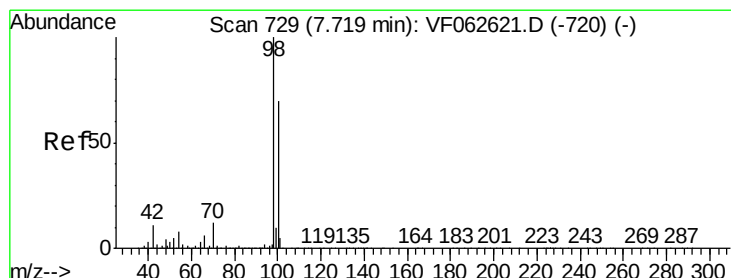
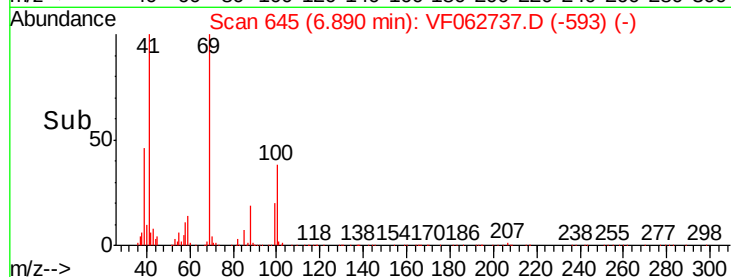
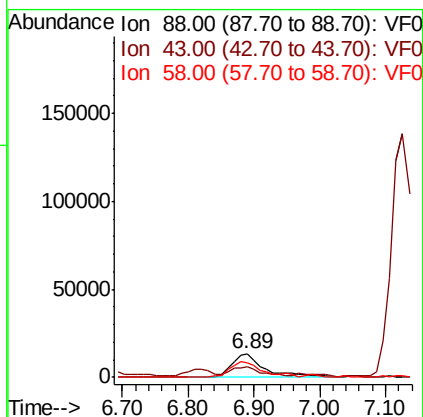
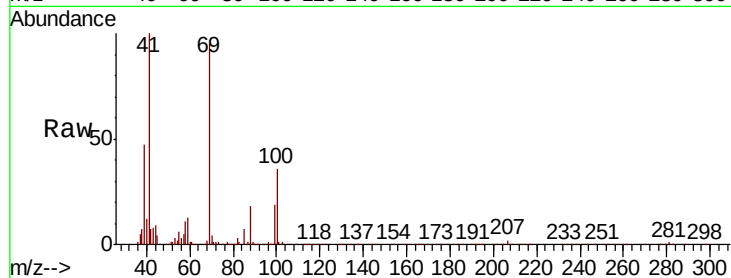
Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 46933

Ion	Ratio	Lower	Upper
88	100		
43	47.3	30.0	45.0#
58	61.0	51.1	76.7



#50

Toluene-d8

Concen: 46.807 ug/l

RT: 7.72 min Scan# 729

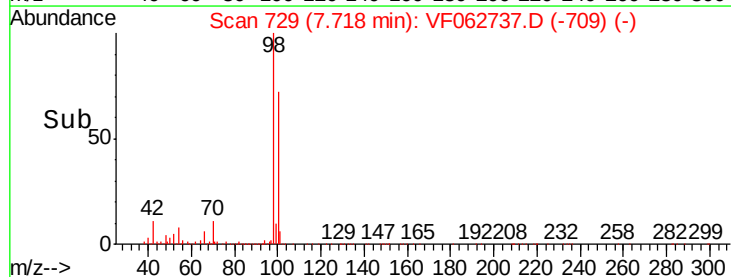
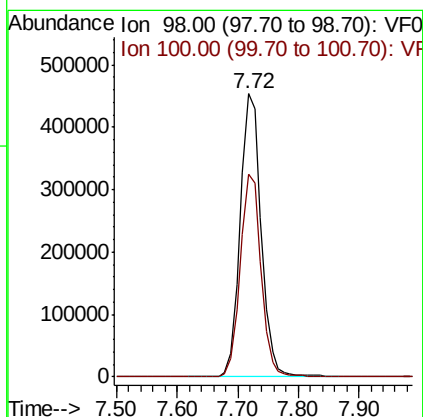
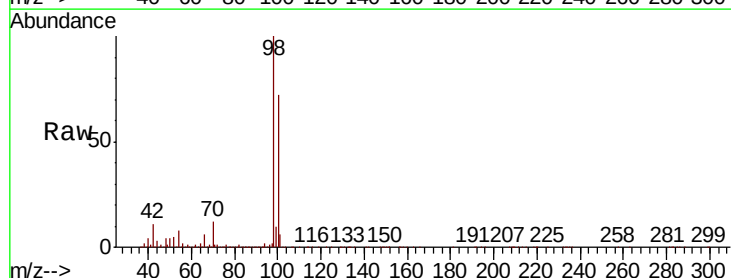
Delta R.T. -0.00 min

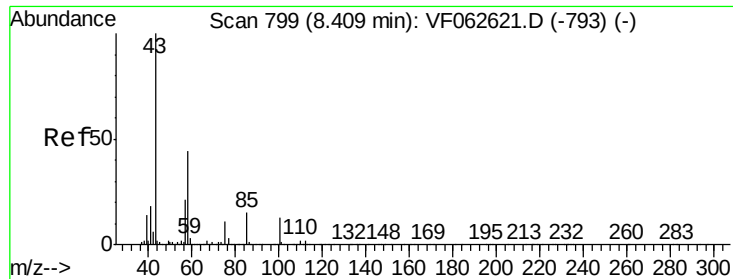
Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion: 98 Resp: 1094621

Ion	Ratio	Lower	Upper
98	100		
100	71.7	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 246.257 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

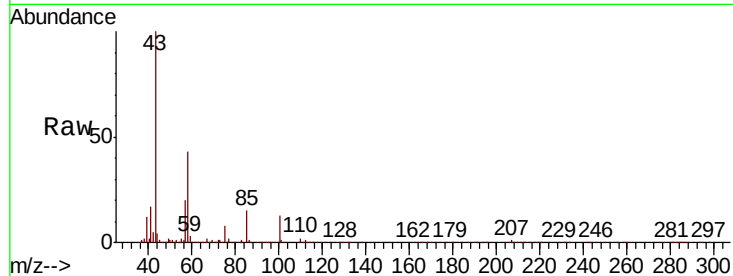
VSTDCCC050EC

Tot Ion: 43 Resp: 1167852

Ion Ratio Lower Upper

43 100

58 43.4 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

500000

400000

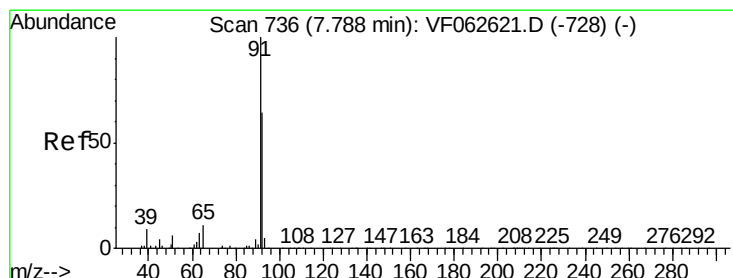
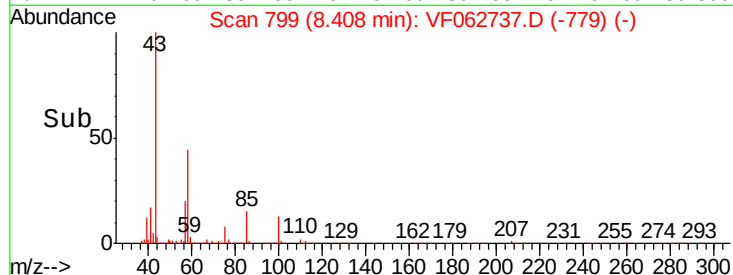
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.955 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062737.D

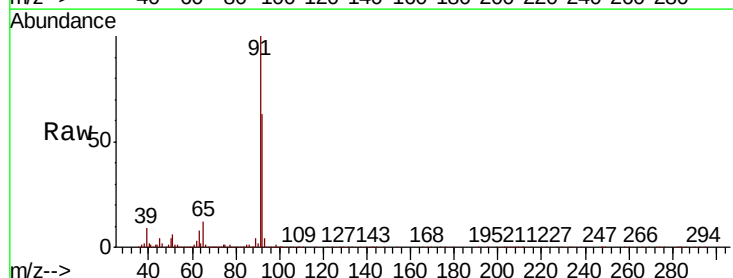
Acq: 23 May 2019 20:31

Tgt Ion: 92 Resp: 1029831

Ion Ratio Lower Upper

92 100

91 159.4 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

800000

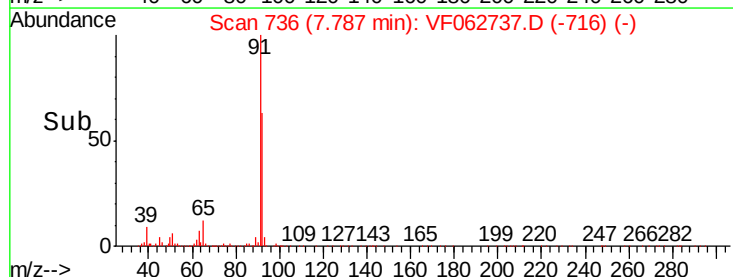
600000

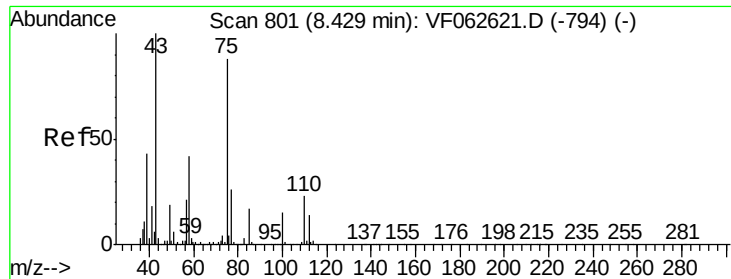
400000

200000

0

Time-->

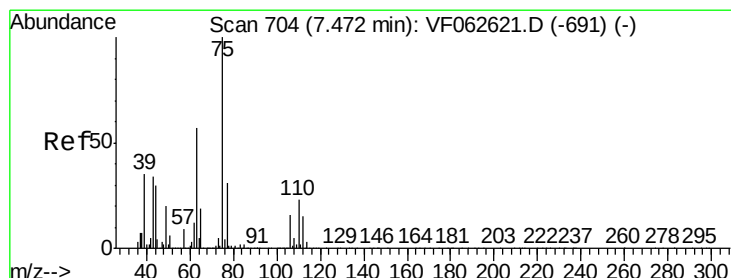
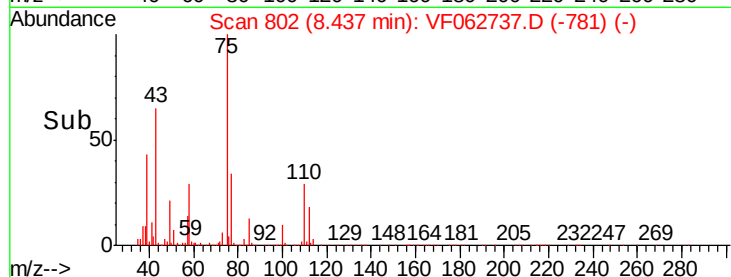
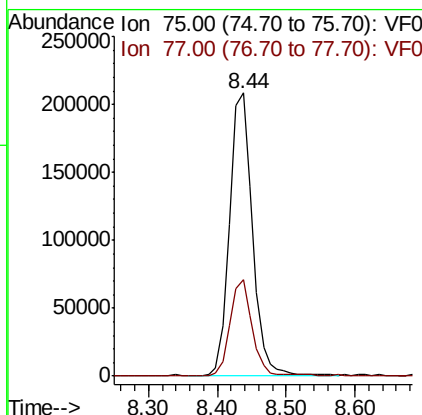
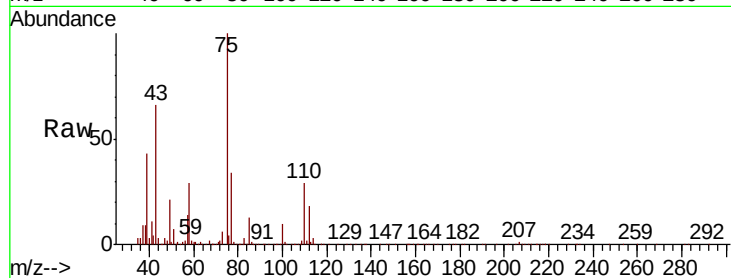




#53
 t-1,3-Dichloropropene
 Concen: 53.782 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

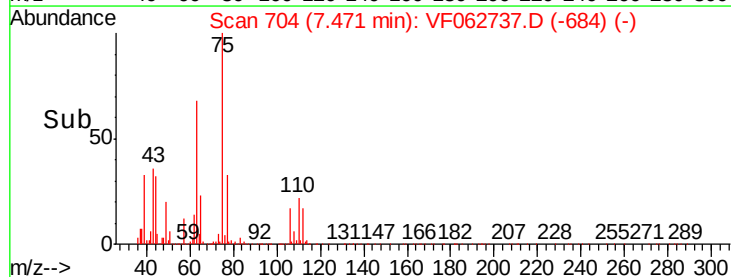
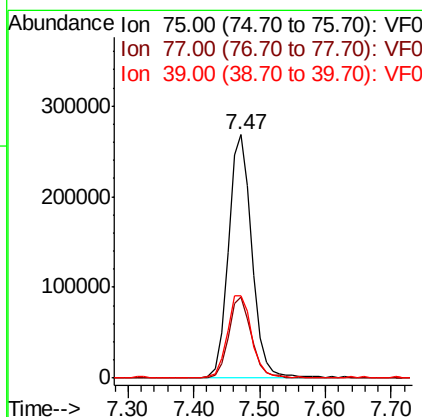
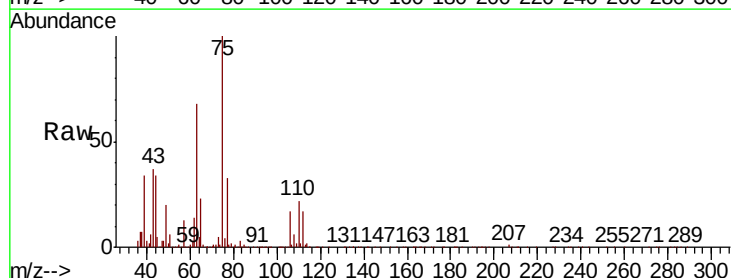
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

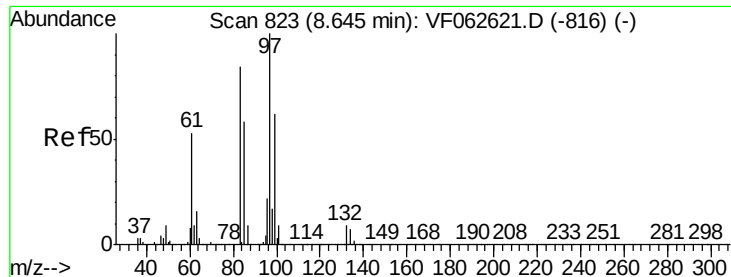
Tot Ion: 75 Resp: 476171
 Ion Ratio Lower Upper
 75 100
 77 34.2 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 53.890 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion: 75 Resp: 667895
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.3 37.9
 39 33.6 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 53.878 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 298940

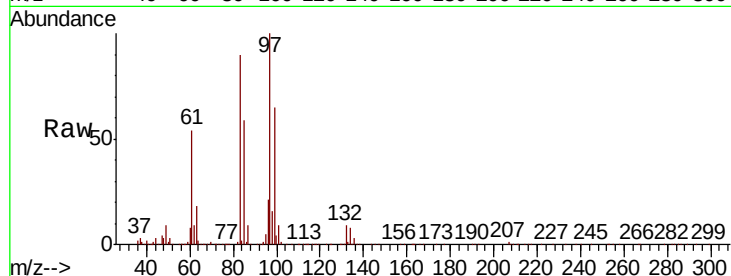
Ion Ratio Lower Upper

97 100

83 90.4 67.3 100.9

85 58.7 46.6 69.8

99 65.3 49.7 74.5

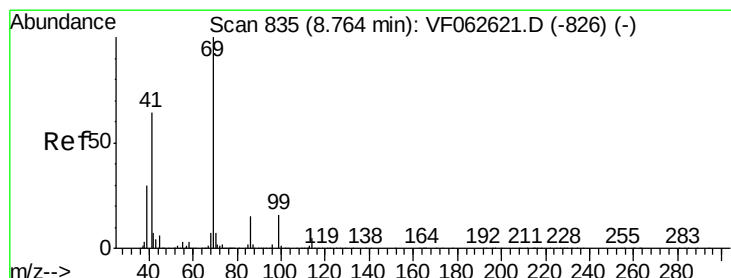
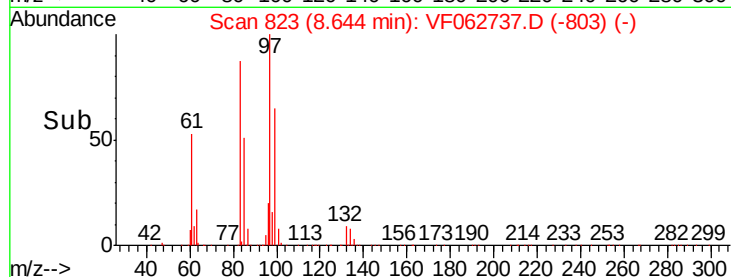
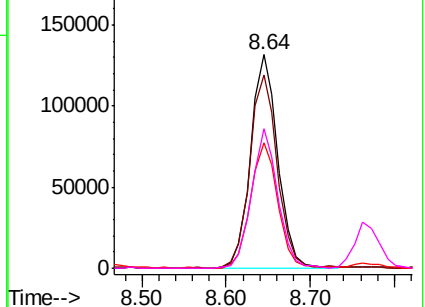


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.938 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

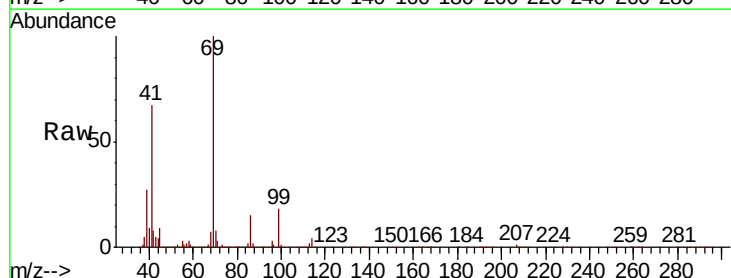
Tgt Ion: 69 Resp: 343329

Ion Ratio Lower Upper

69 100

41 67.1 51.4 77.2

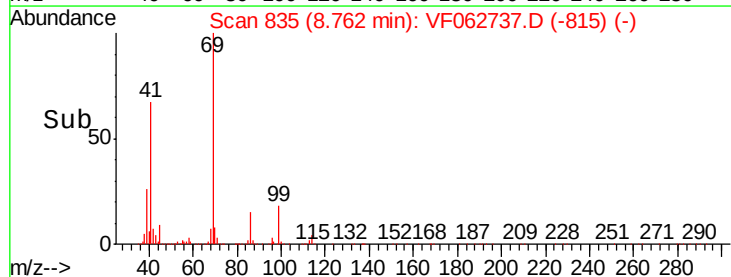
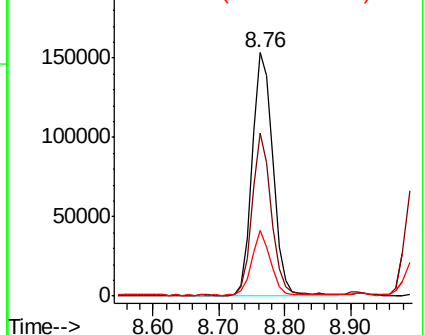
39 27.0 23.6 35.4

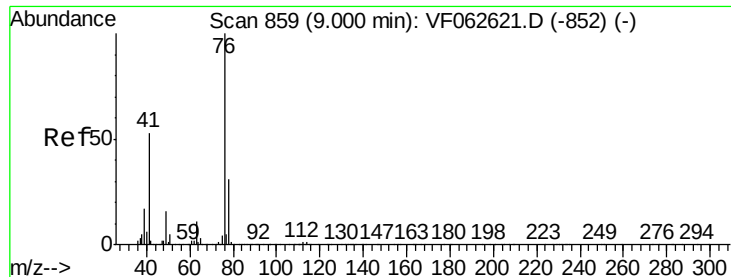


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 54.671 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

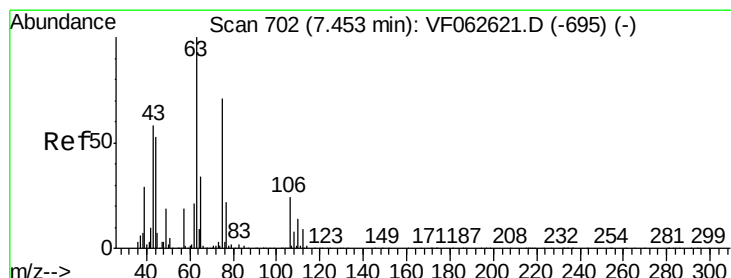
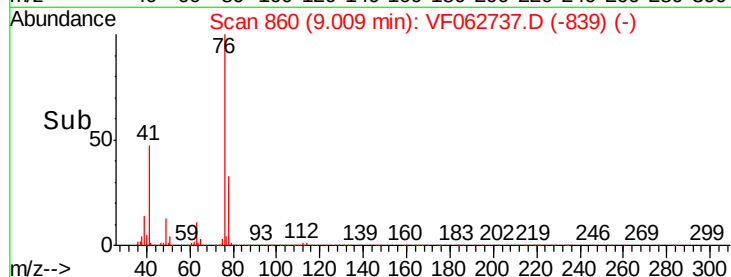
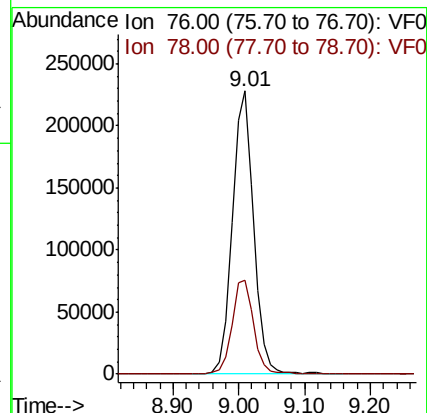
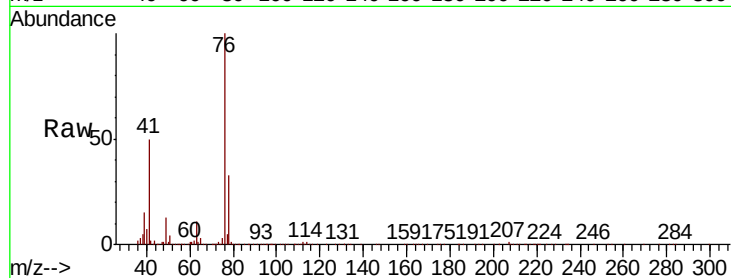
VSTDCCC050EC

Tot Ion: 76 Resp: 516683

Ion Ratio Lower Upper

76 100

78 33.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 265.481 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062737.D

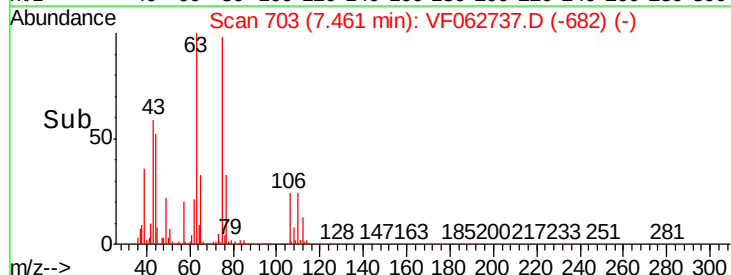
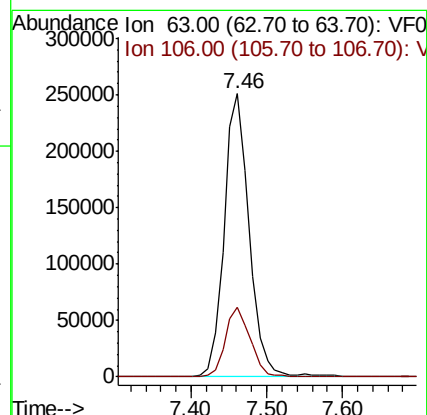
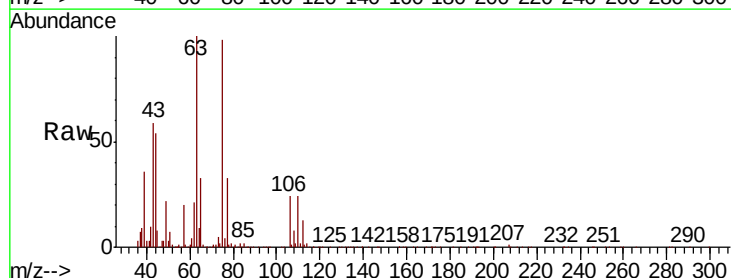
Acq: 23 May 2019 20:31

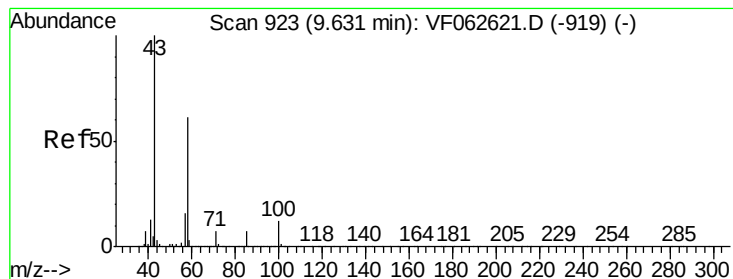
Tgt Ion: 63 Resp: 571228

Ion Ratio Lower Upper

63 100

106 24.5 19.1 28.7





#59

2-Hexanone

Concen: 258.823 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

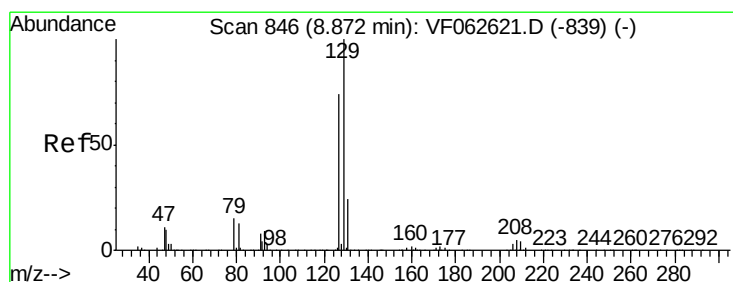
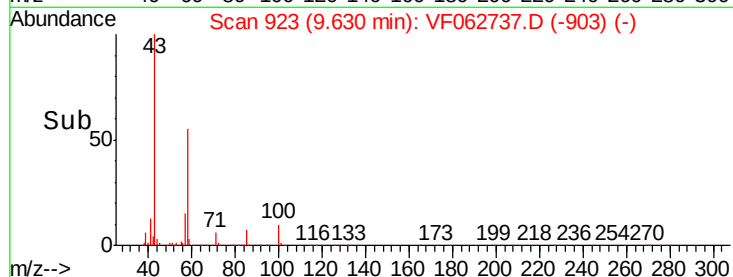
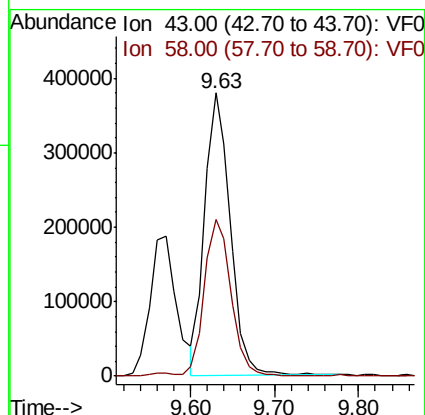
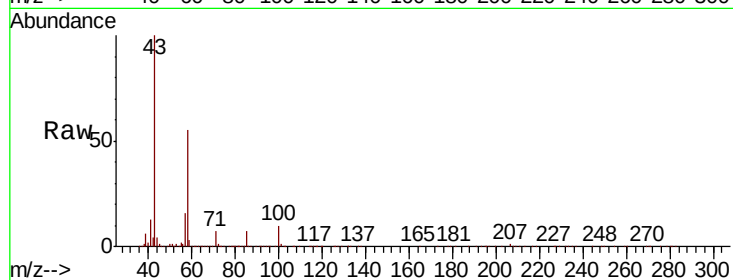
VSTDCCC050EC

Tot Ion: 43 Resp: 796651

Ion Ratio Lower Upper

43 100

58 55.2 28.1 84.4



#60

Dibromochloromethane

Concen: 56.021 ug/l

RT: 8.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF062737.D

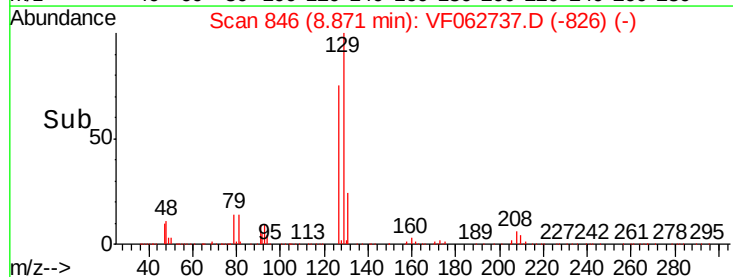
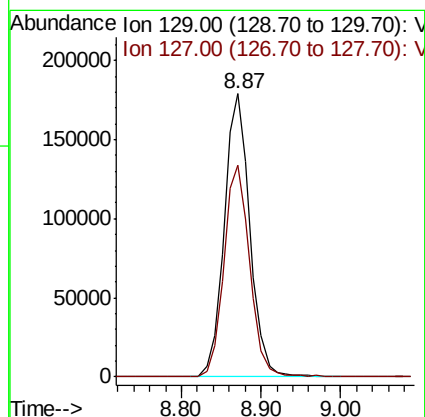
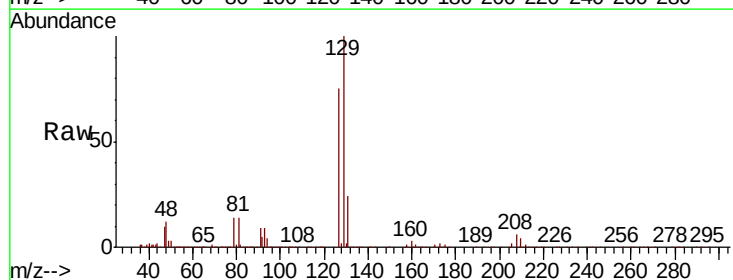
Acq: 23 May 2019 20:31

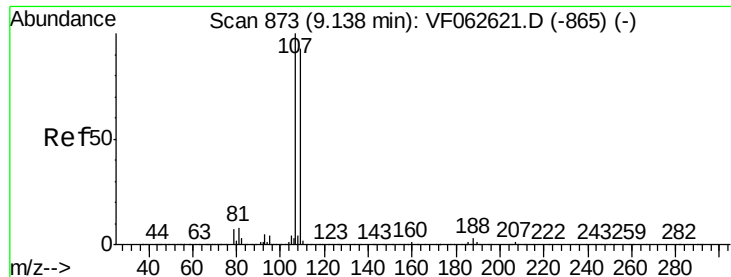
Tgt Ion: 129 Resp: 405117

Ion Ratio Lower Upper

129 100

127 74.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 56.841 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

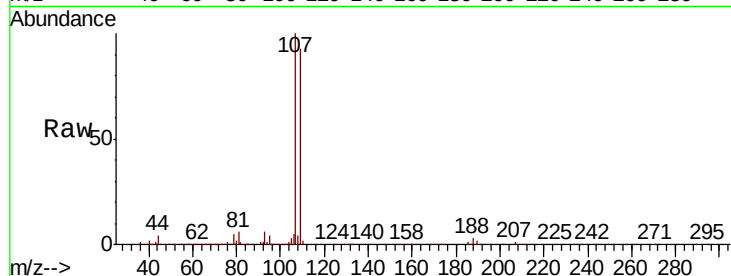
VSTDCCC050EC

Tot Ion:107 Resp: 334984

Ion Ratio Lower Upper

107 100

109 92.8 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

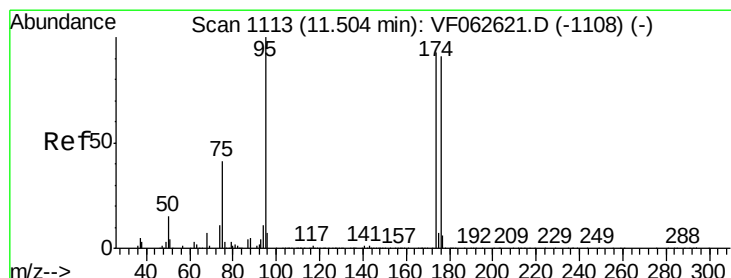
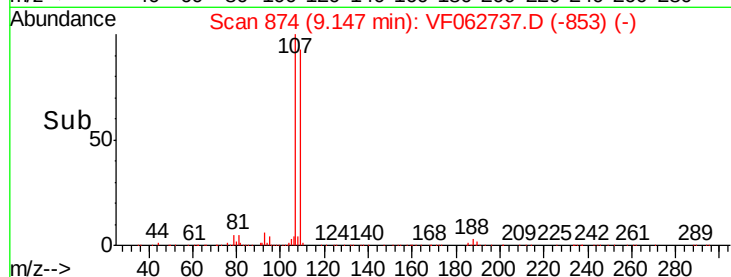
50000

0

9.15

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 42.853 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

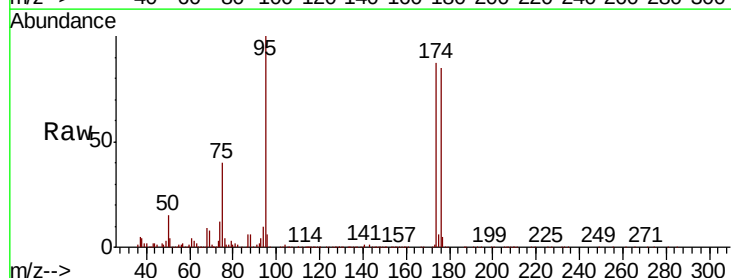
Tgt Ion: 95 Resp: 380089

Ion Ratio Lower Upper

95 100

174 86.7 0.0 185.6

176 84.5 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

250000

200000

150000

100000

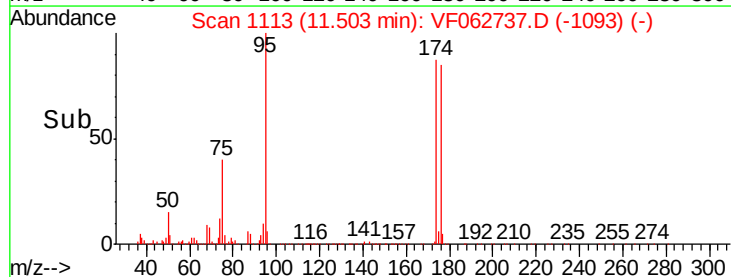
50000

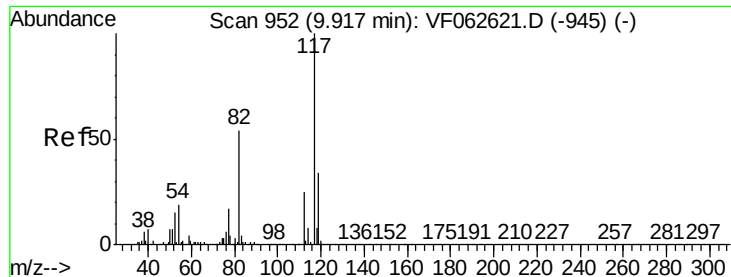
0

11.50

11.40 11.50 11.60

Time-->

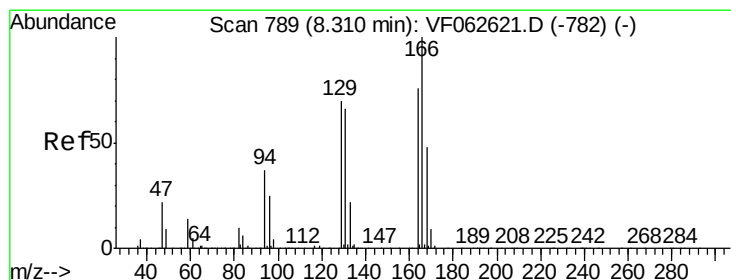
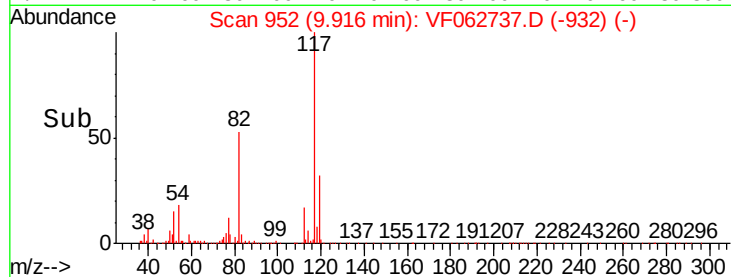
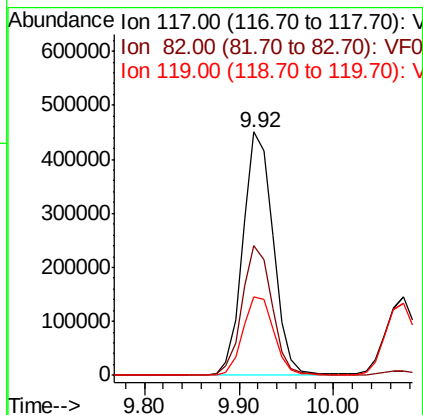
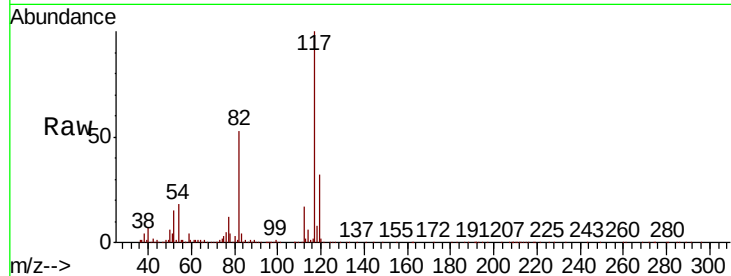




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

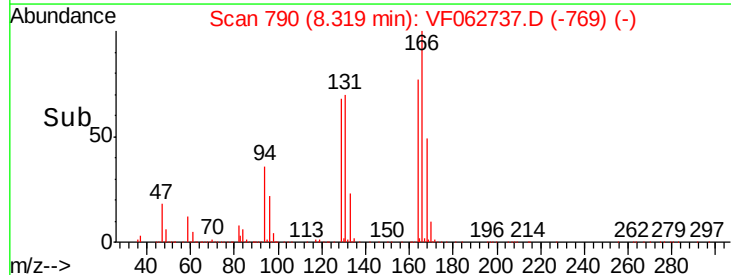
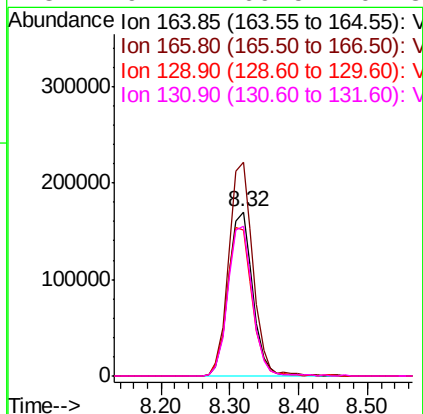
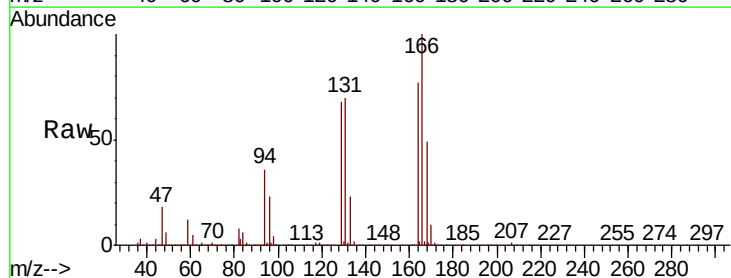
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

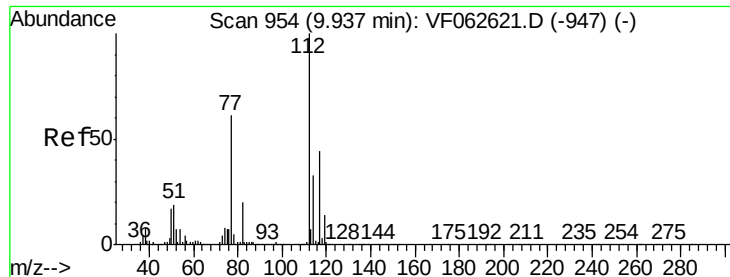
Tot Ion:117 Resp: 1001114
Ion Ratio Lower Upper
117 100
82 53.2 43.3 64.9
119 32.4 27.4 41.0



#64
Tetrachloroethene
Concen: 52.167 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion:164 Resp: 413739
Ion Ratio Lower Upper
164 100
166 130.3 105.5 158.3
129 89.2 73.8 110.6
131 91.7 69.5 104.3

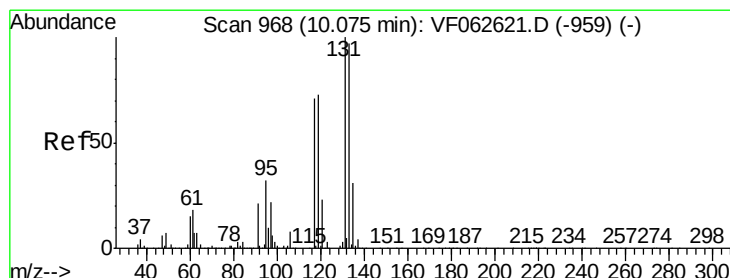
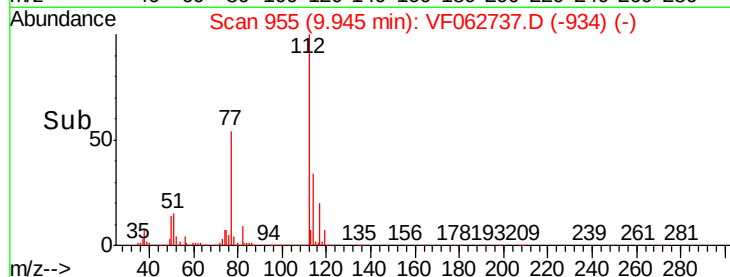
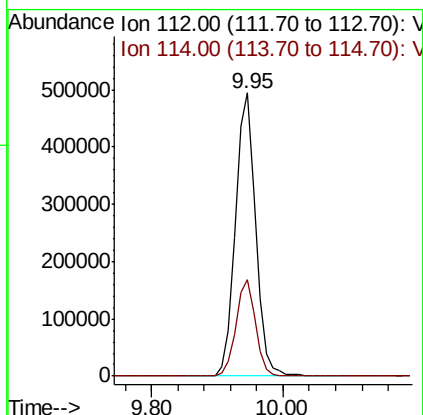
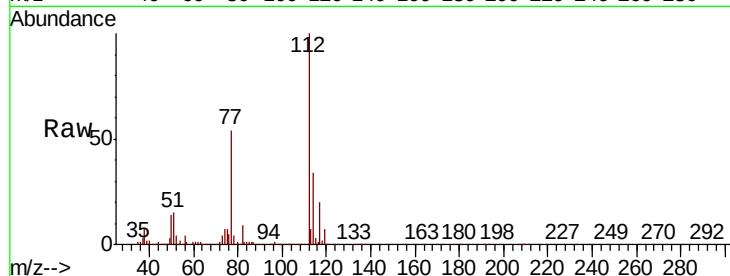




#65
Chlorobenzene
Concen: 54.457 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

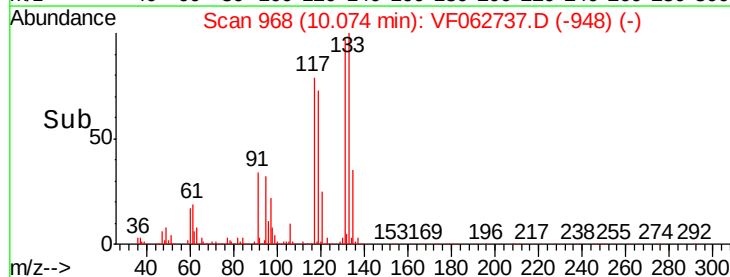
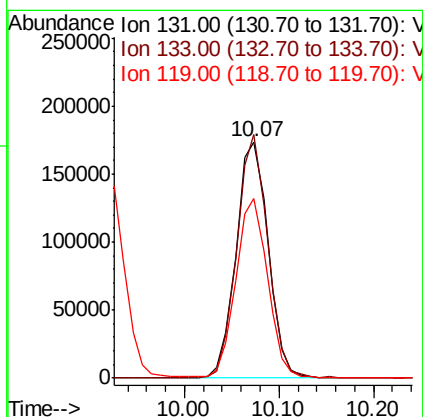
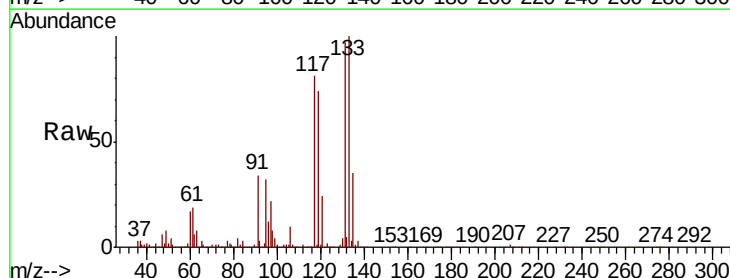
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

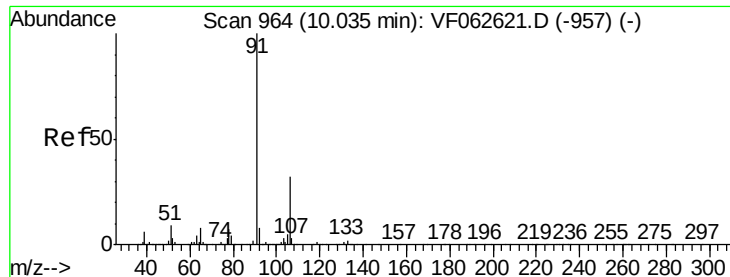
Tot Ion:112 Resp: 1070774
Ion Ratio Lower Upper
112 100
114 34.1 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.917 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion:131 Resp: 409815
Ion Ratio Lower Upper
131 100
133 102.9 48.5 145.5
119 76.1 36.8 110.4

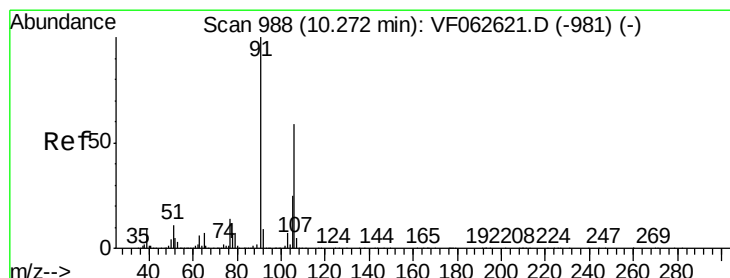
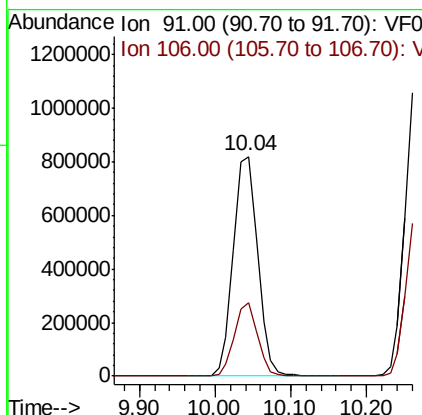
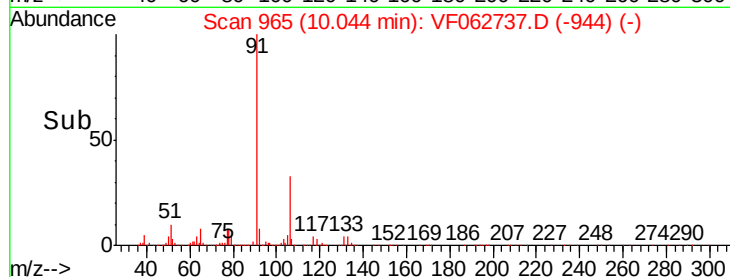
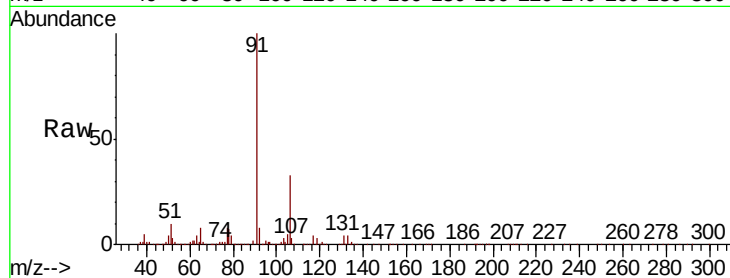




#67
Ethyl Benzene
Concen: 53.782 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

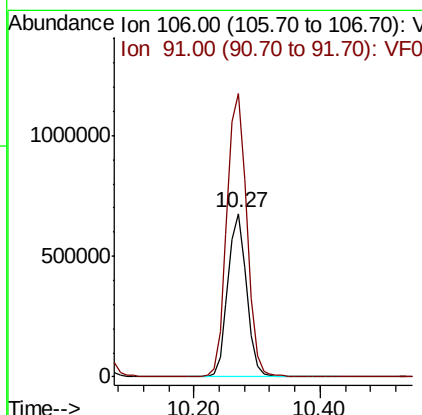
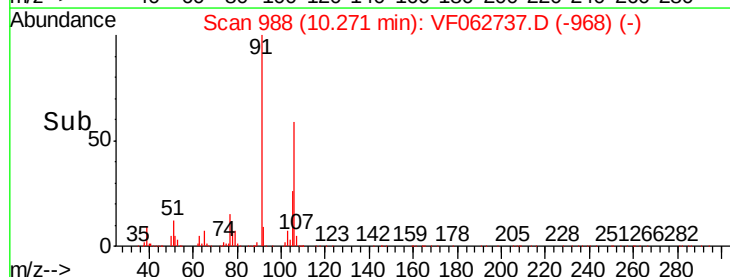
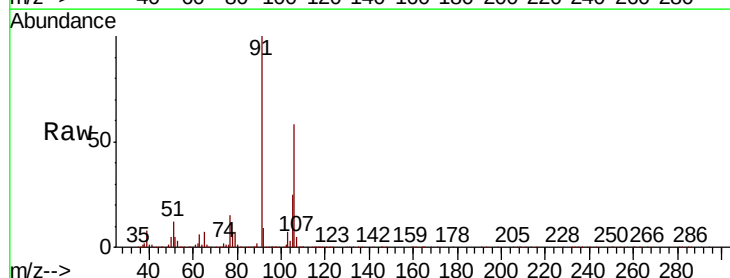
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

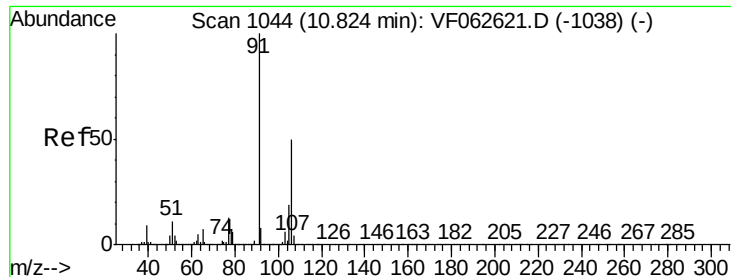
Tot Ion: 91 Resp: 1837107
Ion Ratio Lower Upper
91 100
106 33.5 25.8 38.8



#68
m/p-Xylenes
Concen: 107.971 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 106 Resp: 1386167
Ion Ratio Lower Upper
106 100
91 173.5 136.9 205.3

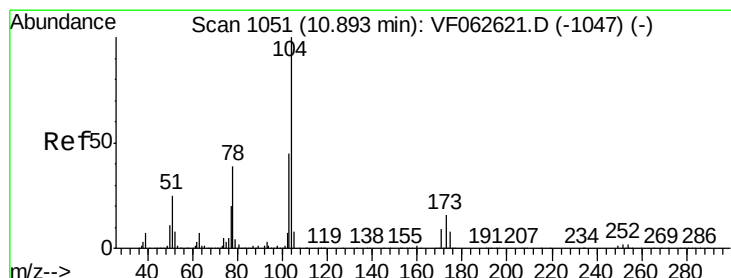
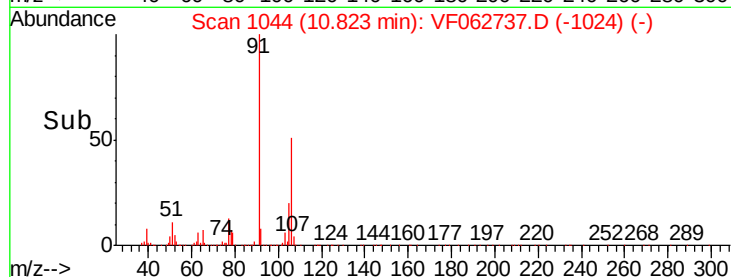
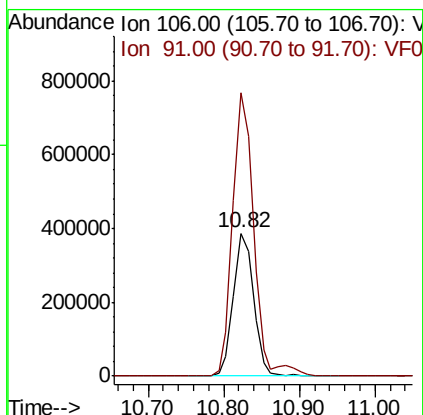
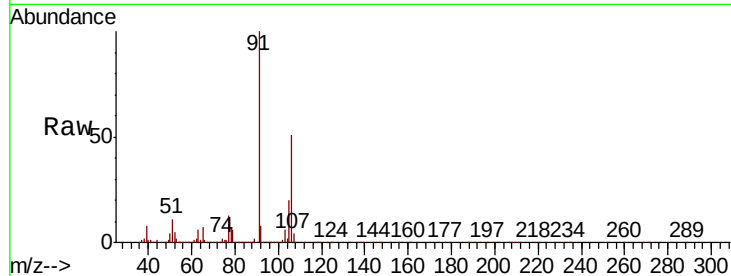




#69
o-Xylene
Concen: 54.116 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

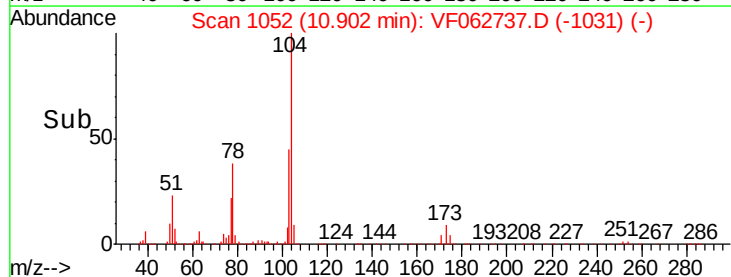
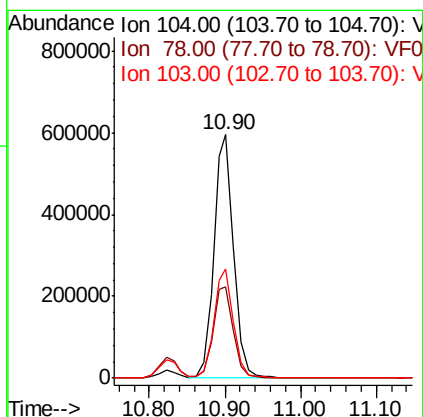
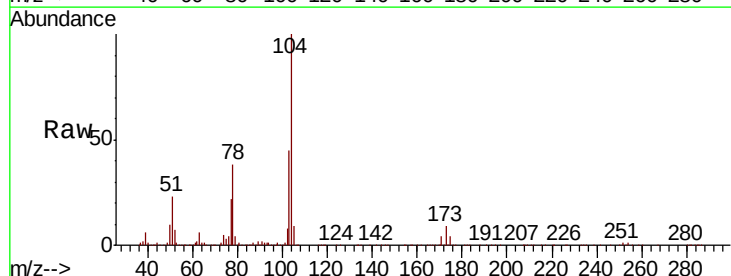
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

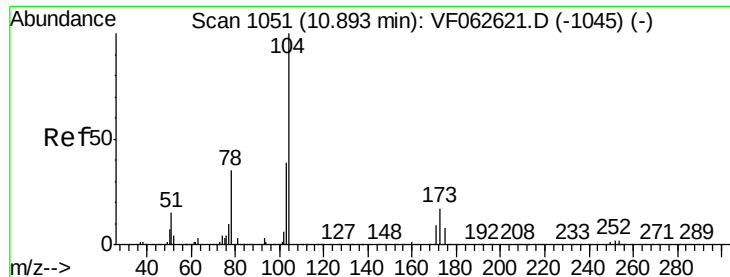
Tot Ion:106 Resp: 715613
Ion Ratio Lower Upper
106 100
91 197.7 100.2 300.5



#70
Styrene
Concen: 53.807 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion:104 Resp: 1081472
Ion Ratio Lower Upper
104 100
78 37.7 31.9 47.9
103 45.1 36.1 54.1





#71

Bromoform

Concen: 54.531 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

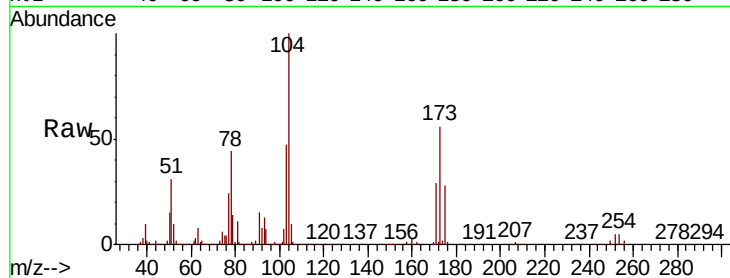
Tot Ion:173 Resp: 215583

Ion Ratio Lower Upper

173 100

175 51.9 25.3 75.9

254 0.0 0.2 0.2#

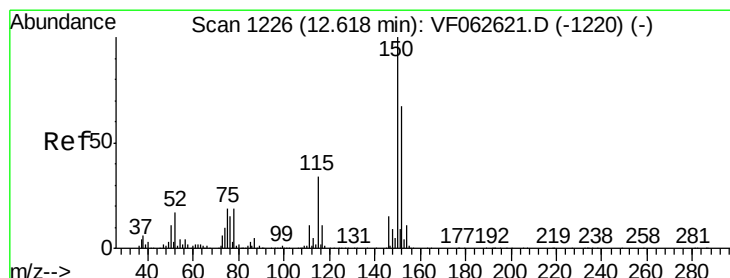
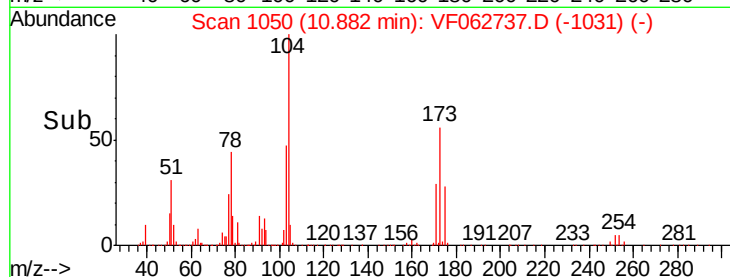
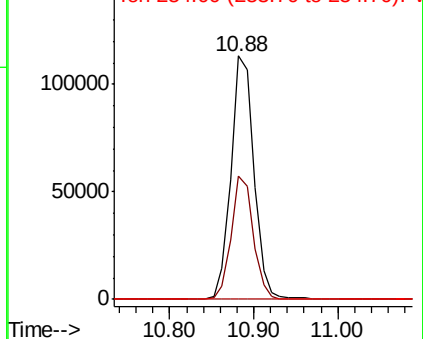


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

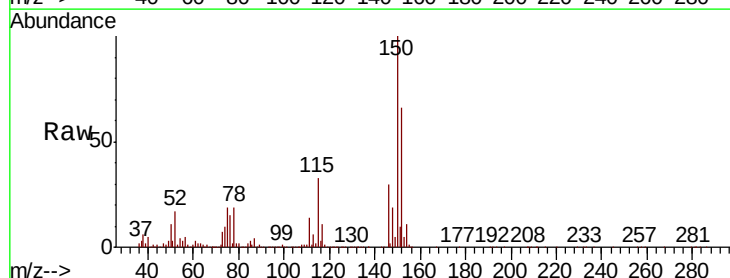
Tgt Ion:152 Resp: 475502

Ion Ratio Lower Upper

152 100

115 49.6 25.2 75.6

150 150.6 0.0 306.2

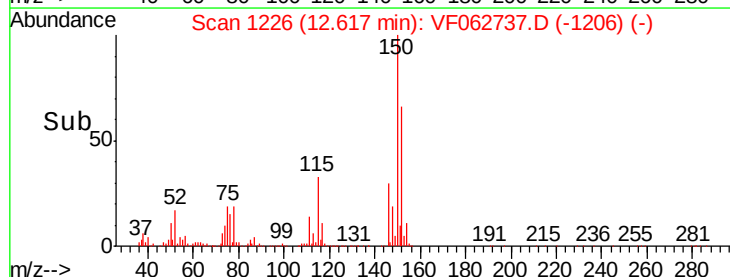
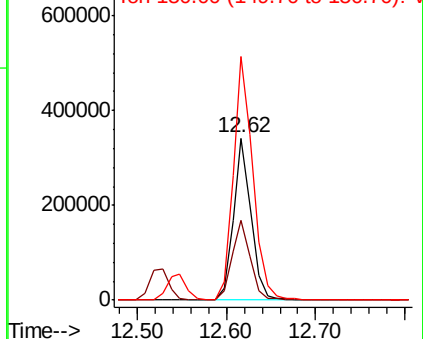


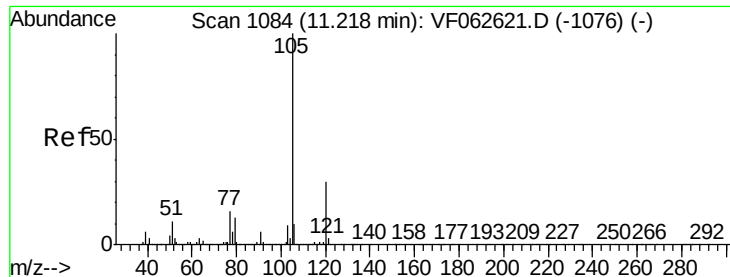
Abundance

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: 54.102 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

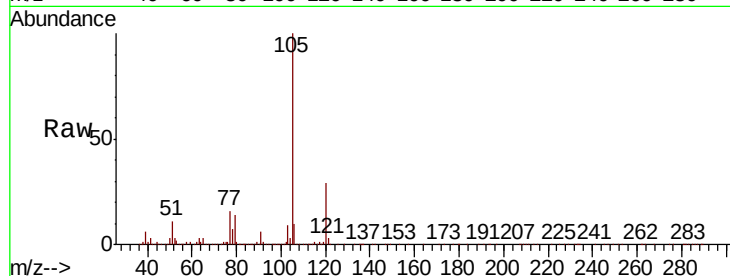
VSTDCCC050EC

Tot Ion:105 Resp: 1843782

Ion Ratio Lower Upper

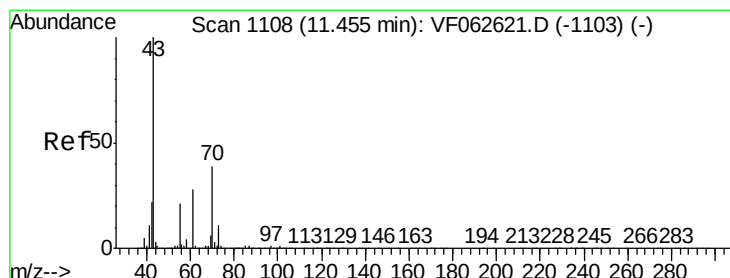
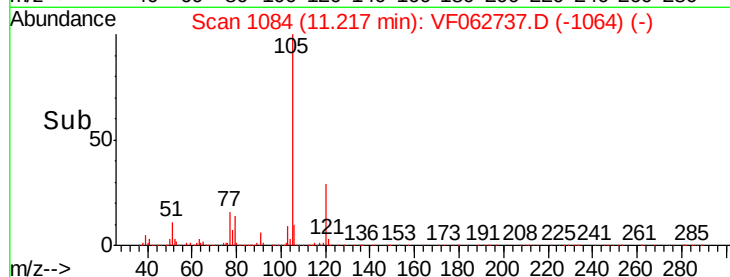
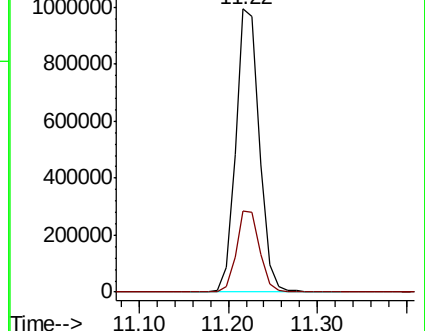
105 100

120 28.7 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.055 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion: 43 Resp: 488135

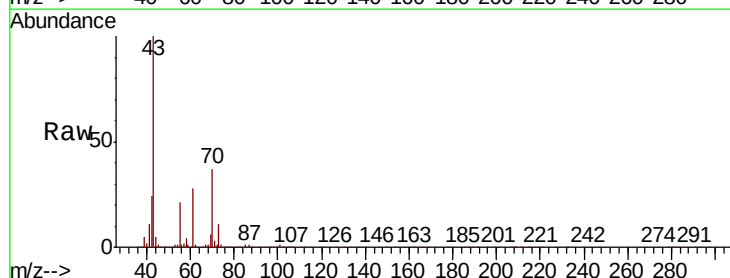
Ion Ratio Lower Upper

43 100

70 36.8 30.9 46.3

55 21.4 17.0 25.4

61 28.1 22.6 34.0

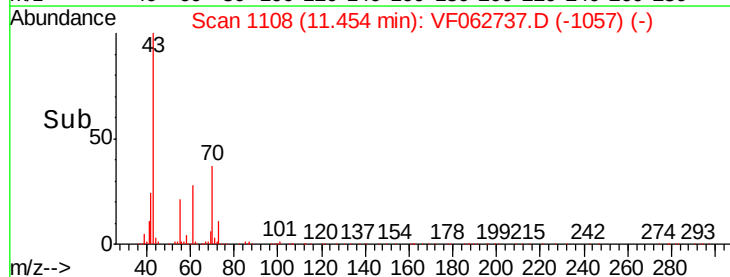
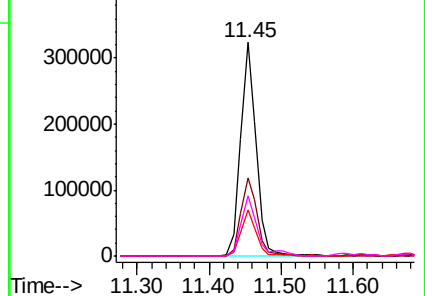


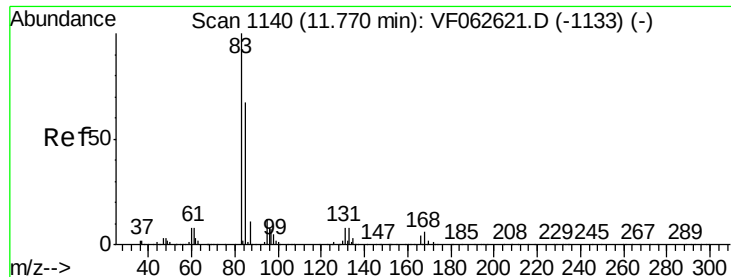
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.446 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

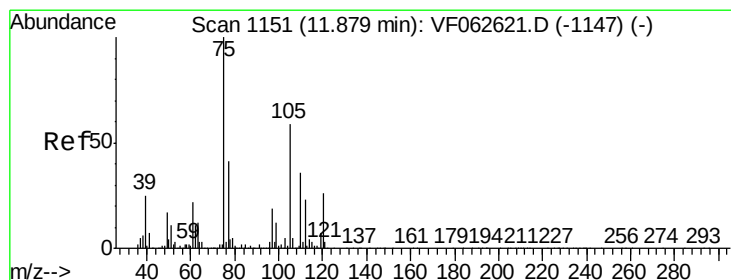
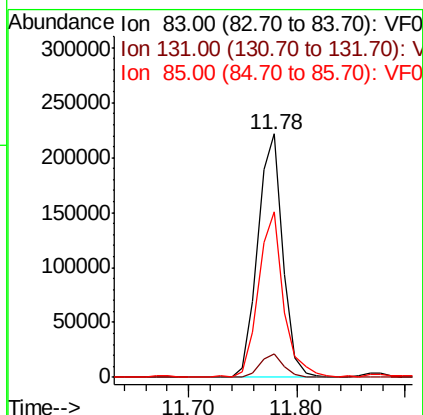
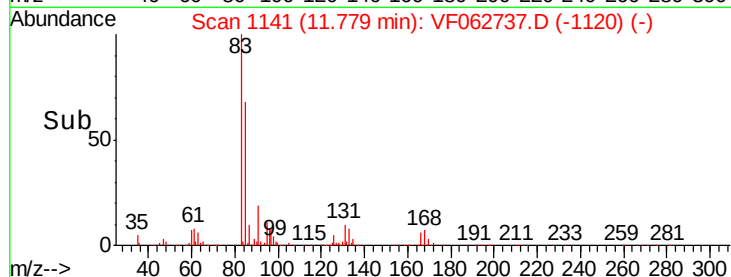
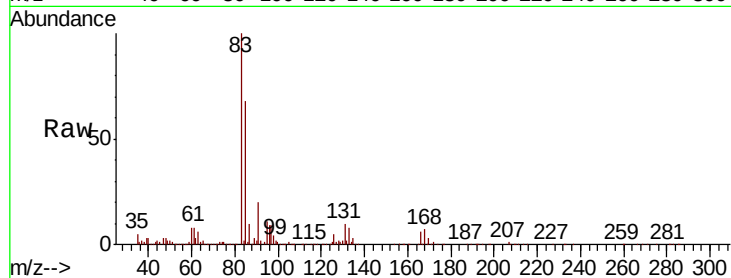
Tot Ion: 83 Resp: 358305

Ion Ratio Lower Upper

83 100

131 9.8 4.0 12.0

85 68.0 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 51.446 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062737.D

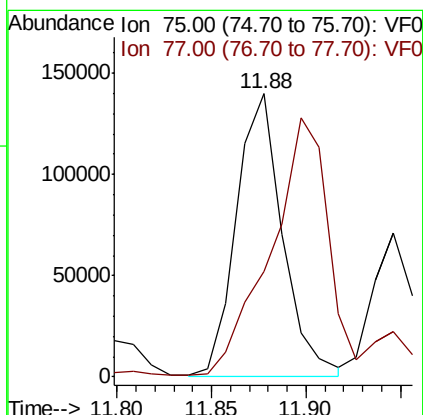
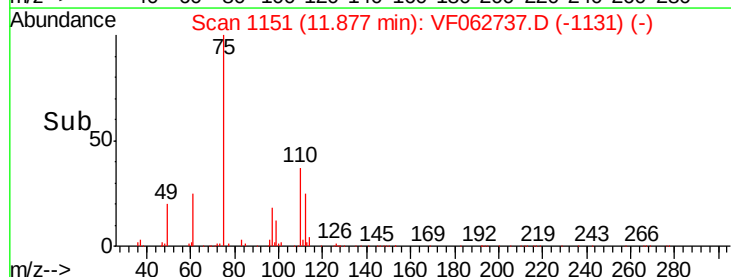
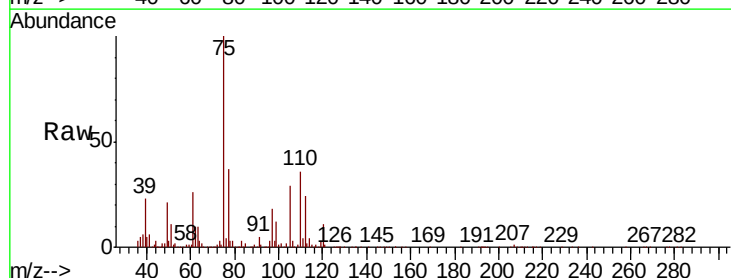
Acq: 23 May 2019 20:31

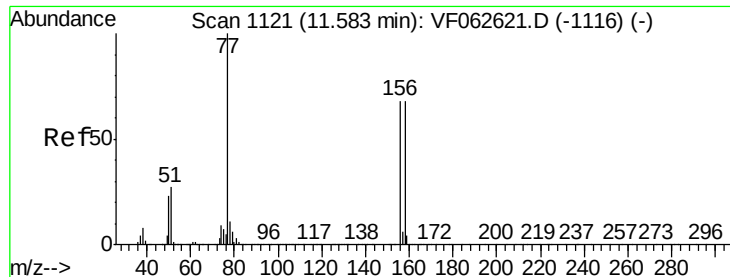
Tgt Ion: 75 Resp: 235428

Ion Ratio Lower Upper

75 100

77 37.2 20.6 61.8





#77

Bromobenzene

Concen: 53.724 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

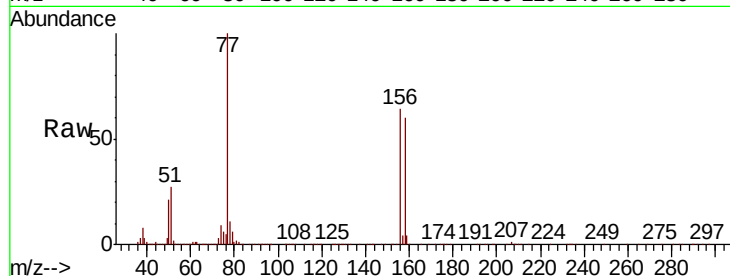
Tot Ion:156 Resp: 455107

Ion Ratio Lower Upper

156 100

77 156.2 73.6 220.8

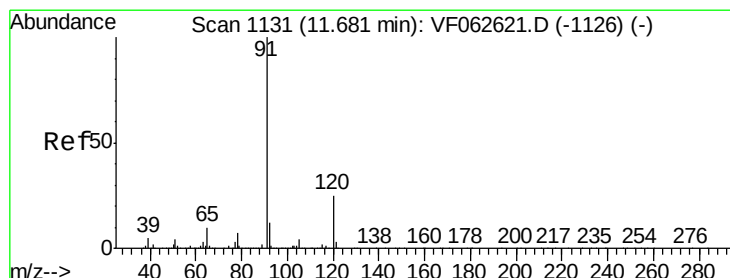
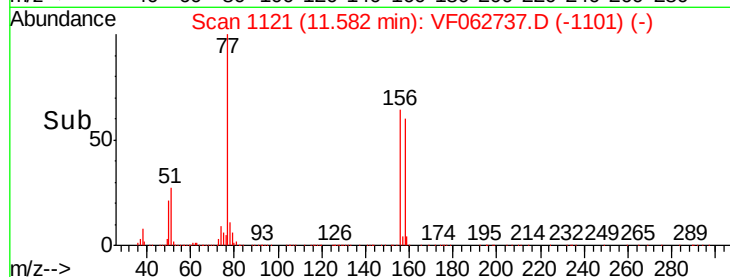
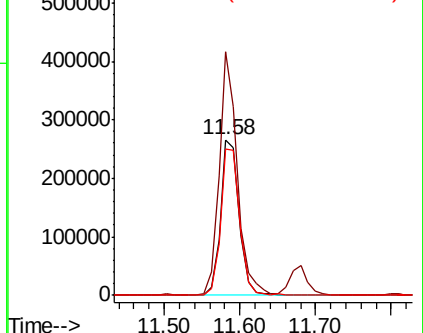
158 93.9 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.674 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062737.D

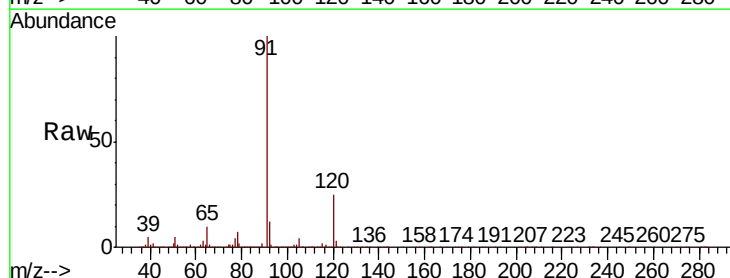
Acq: 23 May 2019 20:31

Tgt Ion: 91 Resp: 2084147

Ion Ratio Lower Upper

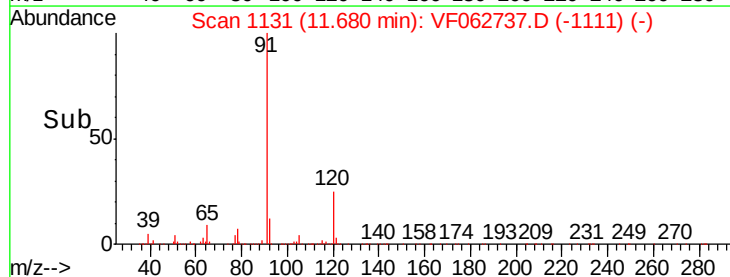
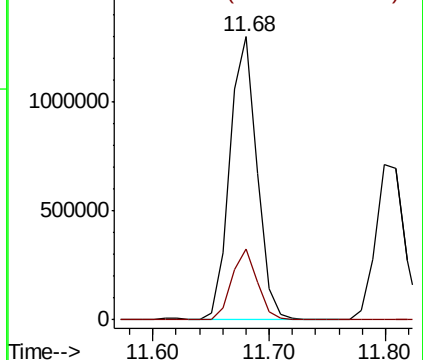
91 100

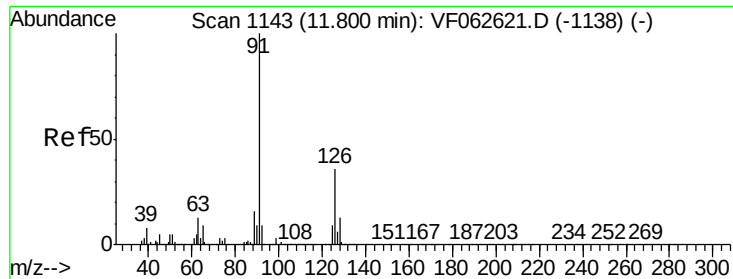
120 25.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

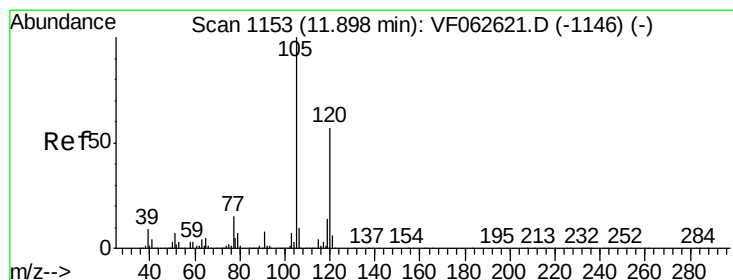
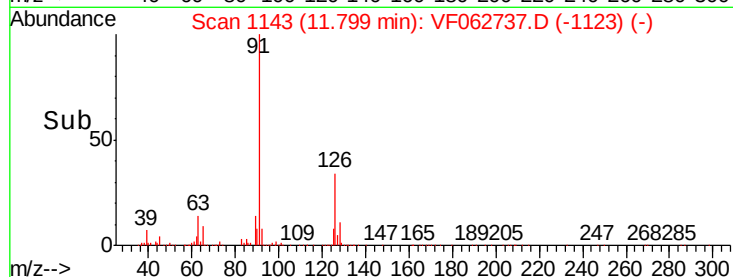
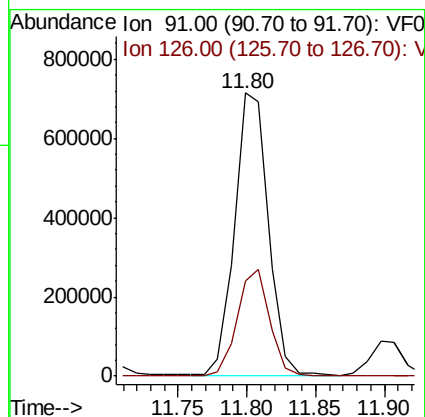
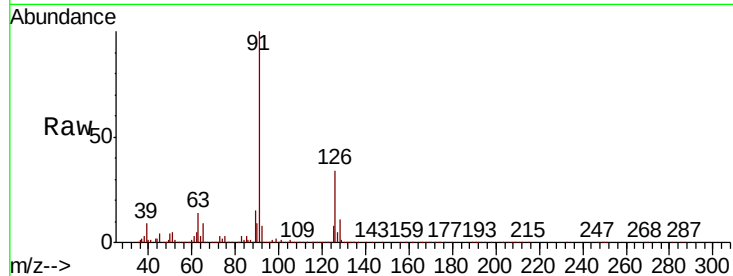




#79
 2-Chlorotoluene
 Concen: 53.172 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

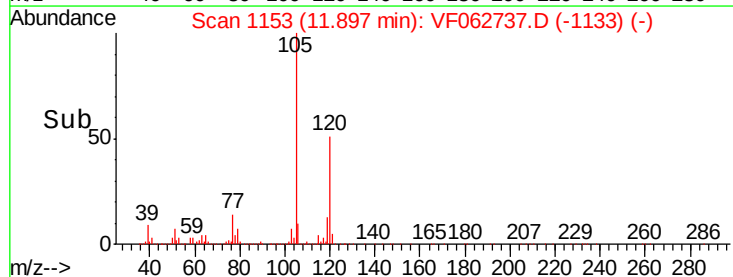
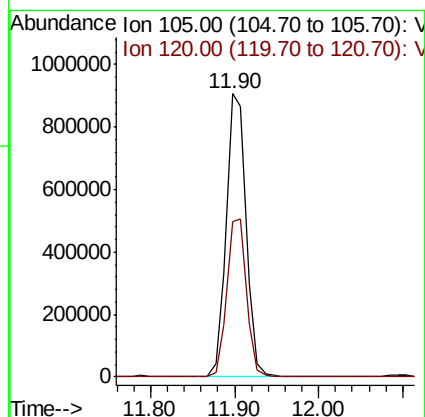
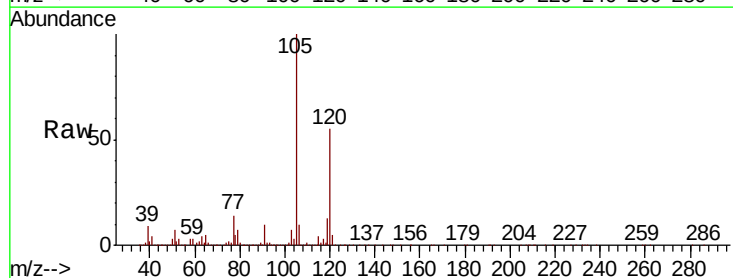
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

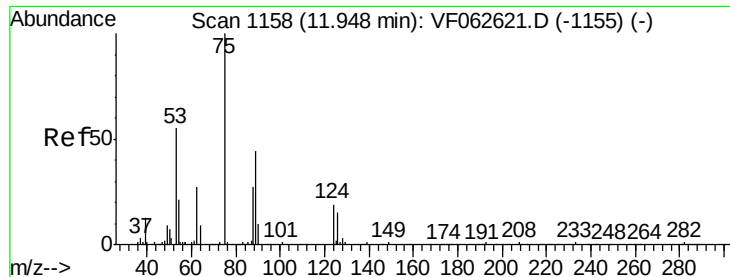
Tot Ion: 91 Resp: 1208611
 Ion Ratio Lower Upper
 91 100
 126 33.5 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 54.248 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion: 105 Resp: 1482428
 Ion Ratio Lower Upper
 105 100
 120 54.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 70.185 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

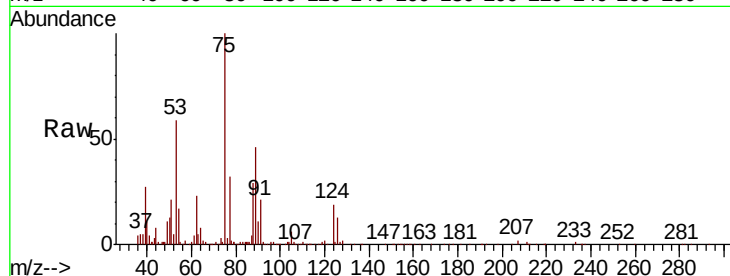
Tot Ion: 75 Resp: 142769

Ion Ratio Lower Upper

75 100

53 58.7 46.9 70.3

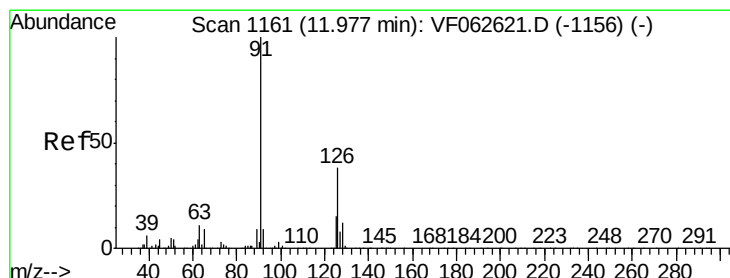
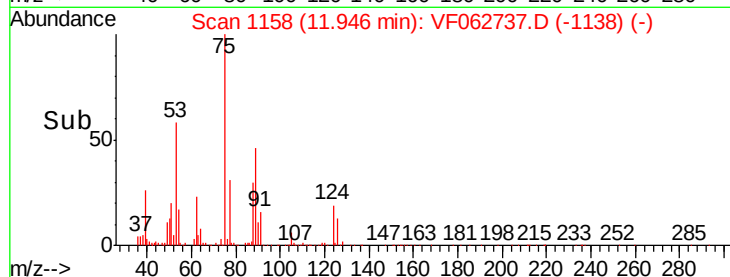
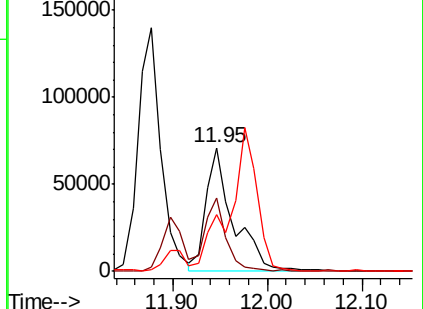
89 46.3 36.4 54.6



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: 56.065 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062737.D

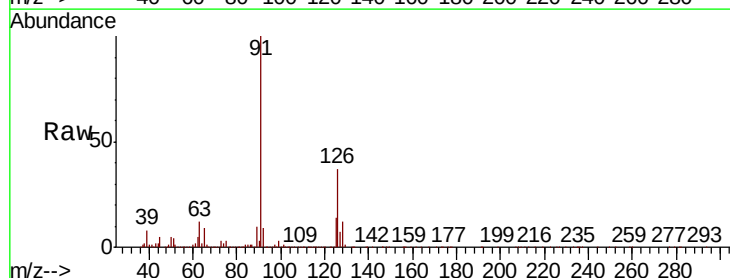
Acq: 23 May 2019 20:31

Tgt Ion: 91 Resp: 1256687

Ion Ratio Lower Upper

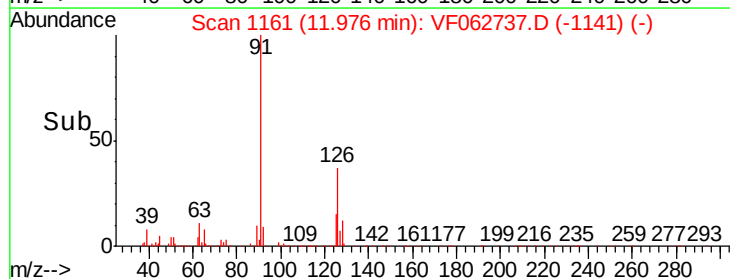
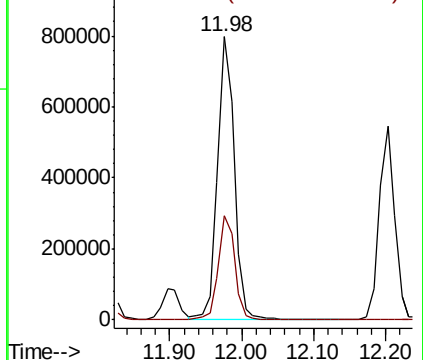
91 100

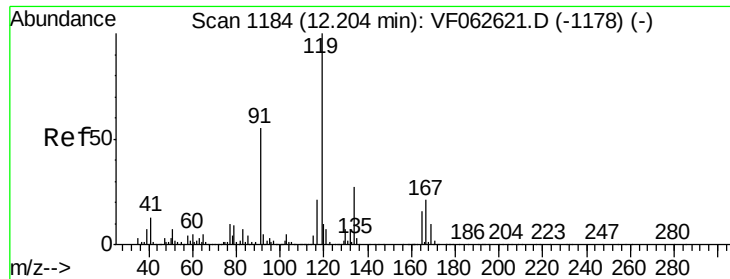
126 36.7 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



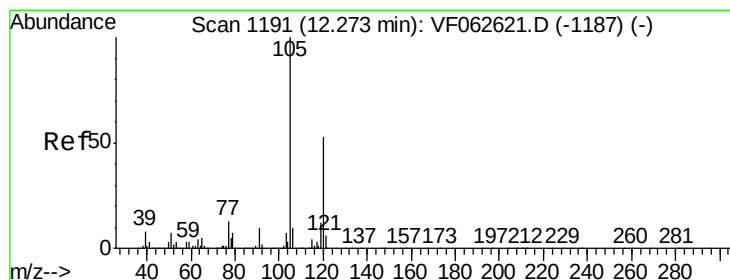
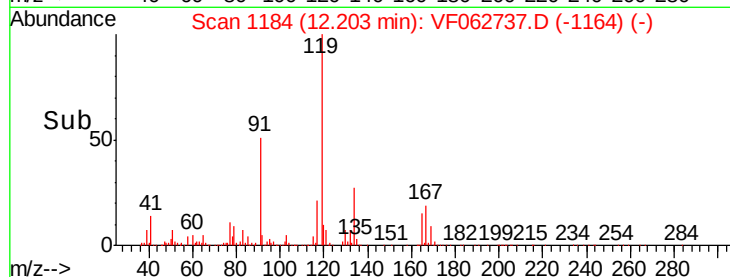
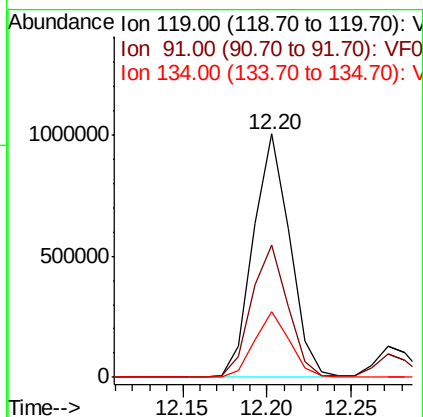
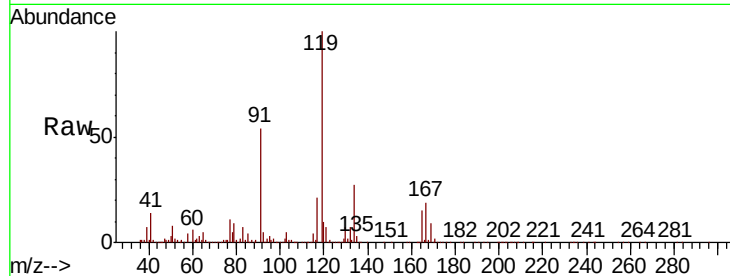


#83
 tert-Butylbenzene
 Concen: 54.732 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1517427

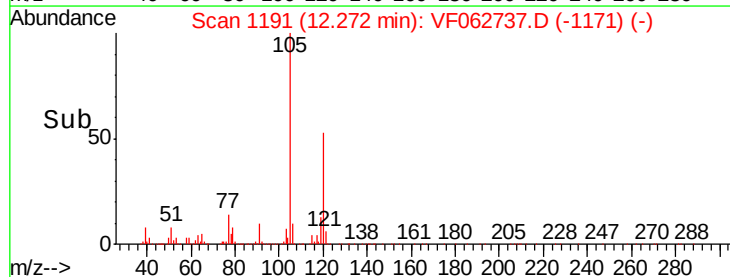
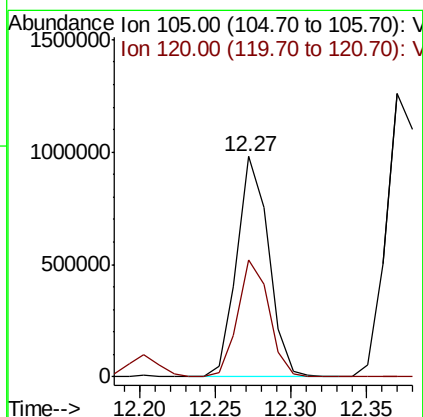
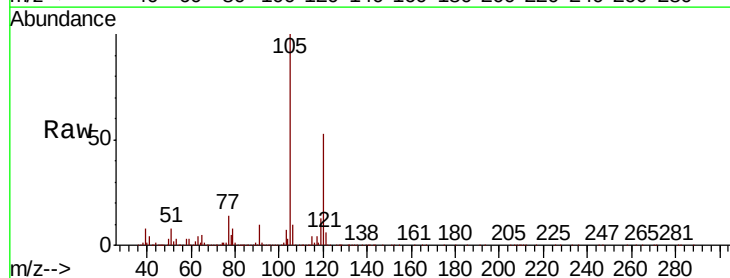
Ion	Ratio	Lower	Upper
119	100		
91	54.4	27.3	81.9
134	26.9	13.6	40.7

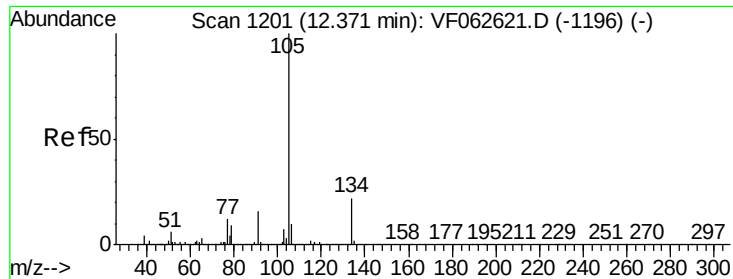


#84
 1,2,4-Trimethylbenzene
 Concen: 54.231 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion:105 Resp: 1434350

Ion	Ratio	Lower	Upper
105	100		
120	53.3	26.7	80.1





#85

sec-Butylbenzene

Concen: 53.345 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

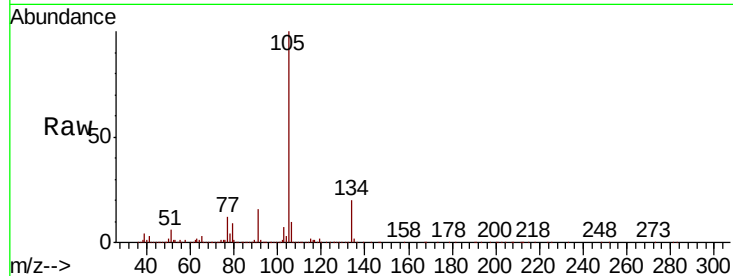
VSTDCCC050EC

Tot Ion:105 Resp: 1984816

Ion Ratio Lower Upper

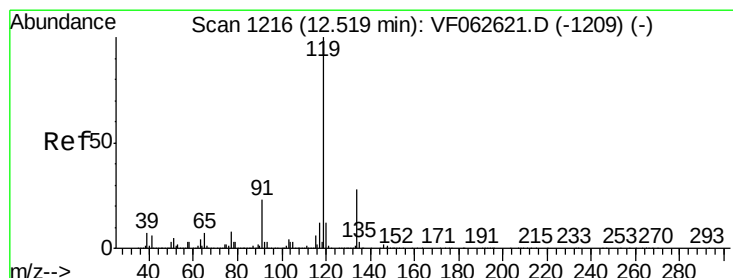
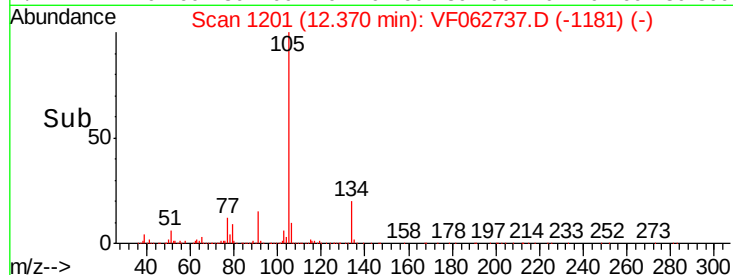
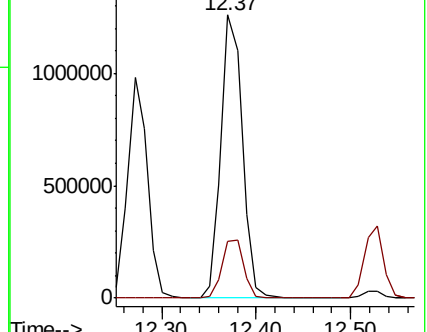
105 100

134 20.3 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.084 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

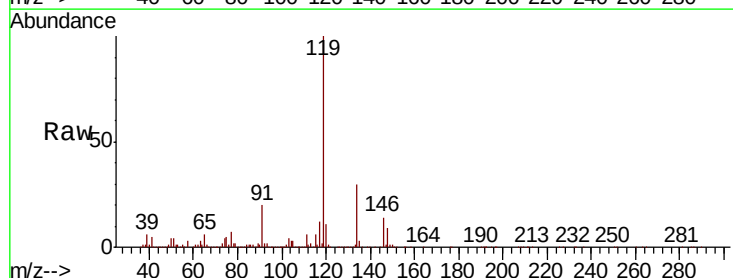
Tgt Ion:119 Resp: 1633154

Ion Ratio Lower Upper

119 100

134 29.8 14.1 42.3

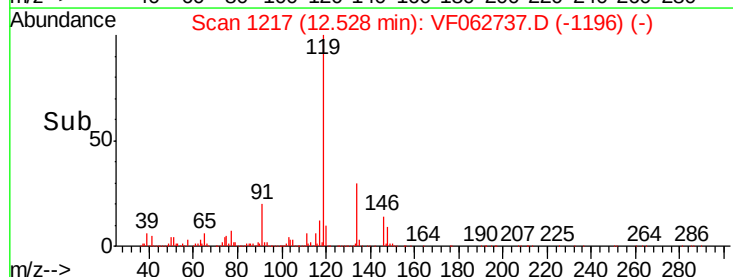
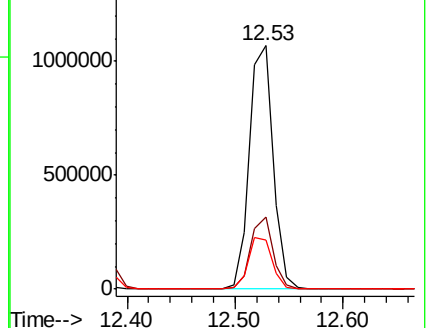
91 20.0 11.4 34.2

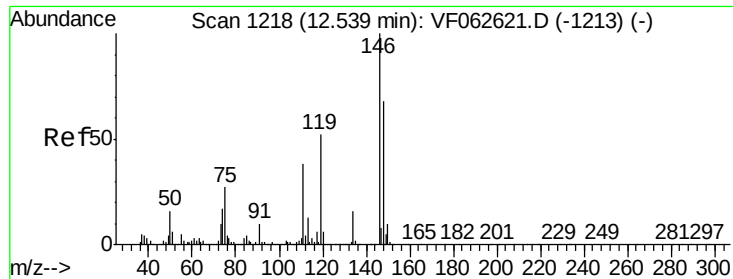


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

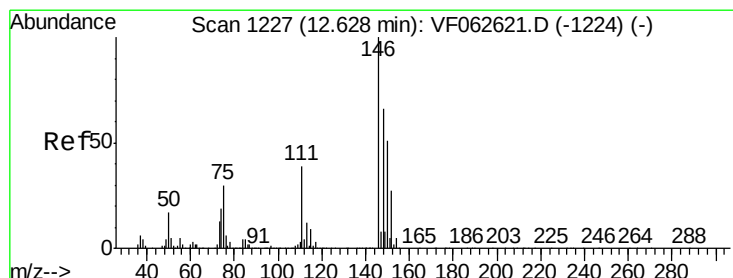
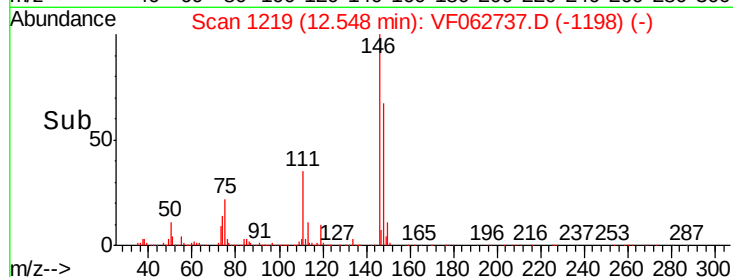
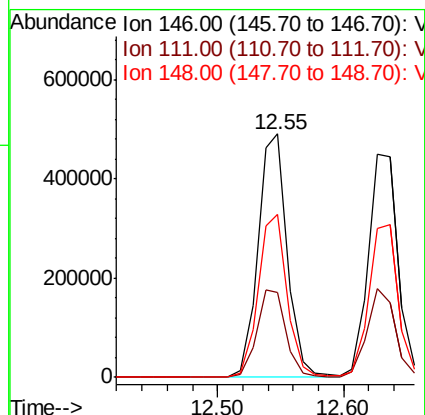
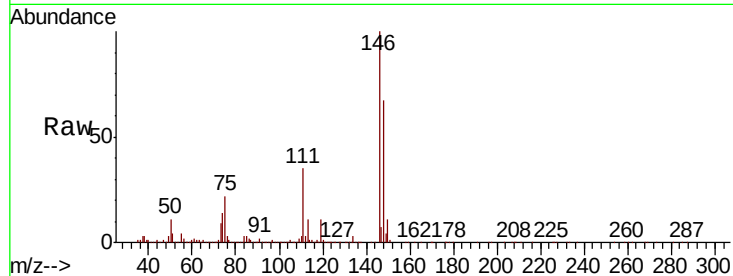




#87
 1,3-Dichlorobenzene
 Concen: 51.578 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

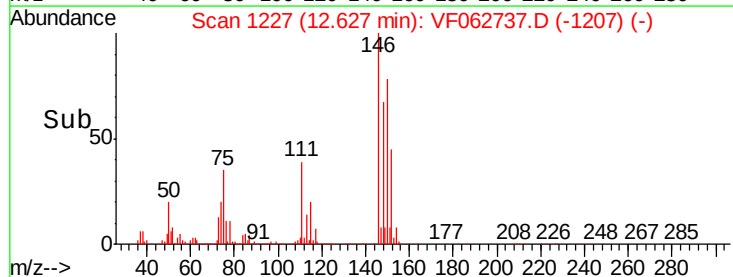
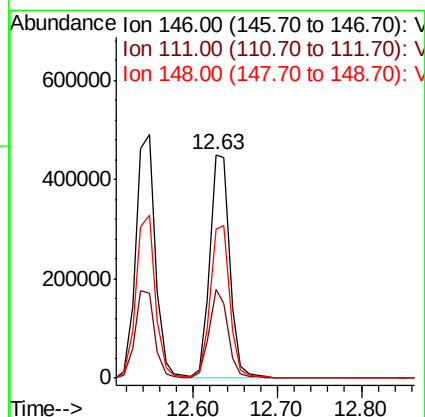
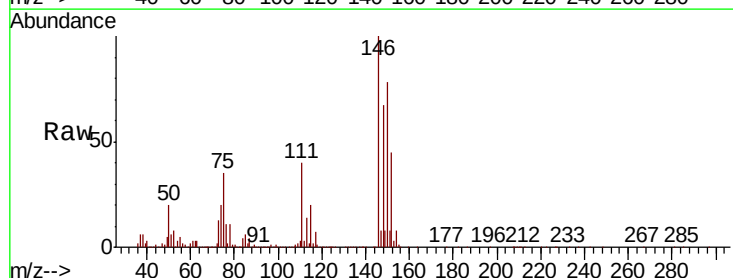
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

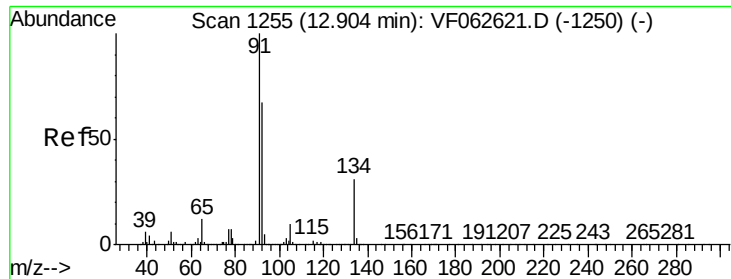
Tot Ion:146 Resp: 790488
 Ion Ratio Lower Upper
 146 100
 111 34.9 18.9 56.9
 148 67.1 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 51.615 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion:146 Resp: 742354
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.2
 148 66.7 33.2 99.6





#89

n-Butylbenzene

Concen: 50.640 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

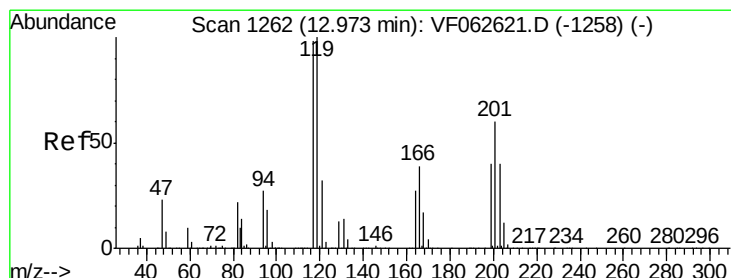
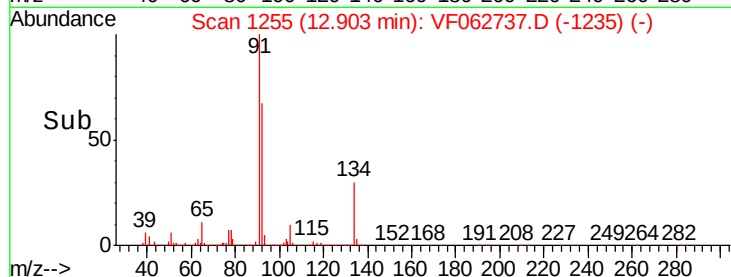
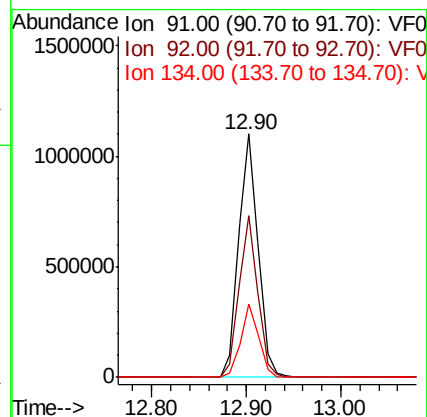
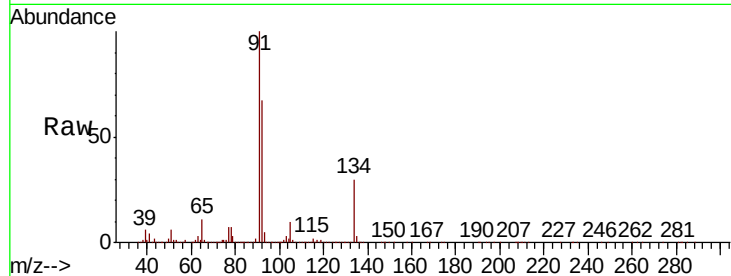
Tot Ion: 91 Resp: 1565588

Ion	Ratio	Lower	Upper
91	100		
92	66.6	33.3	99.8
134	29.9	15.4	46.4

91 100

92 66.6 33.3 99.8

134 29.9 15.4 46.4



#90

Hexachloroethane

Concen: 54.082 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062737.D

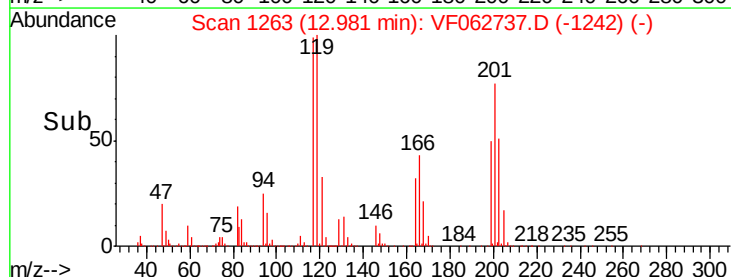
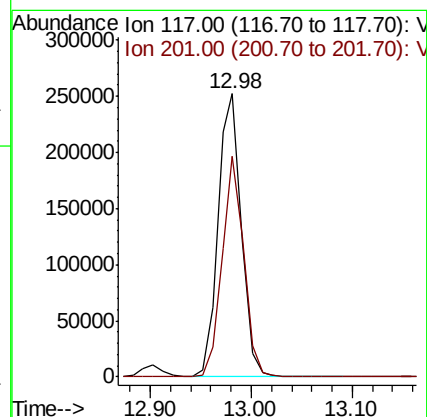
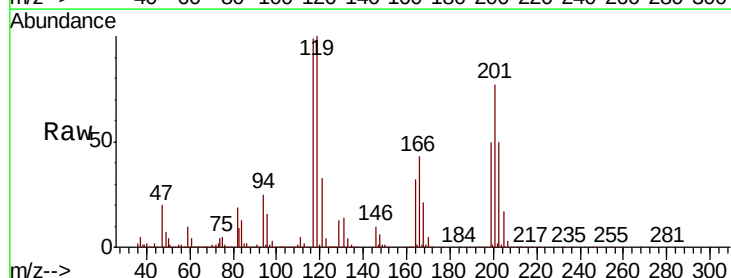
Acq: 23 May 2019 20:31

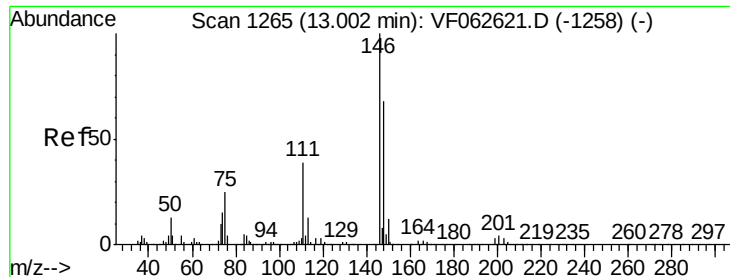
Tgt Ion: 117 Resp: 406803

Ion	Ratio	Lower	Upper
117	100		
201	79.7	30.7	92.1

117 100

201 79.7 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 51.167 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

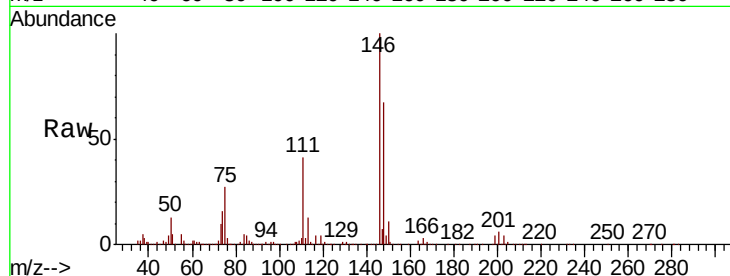
Tot Ion:146 Resp: 699032

Ion Ratio Lower Upper

146 100

111 40.9 19.8 59.3

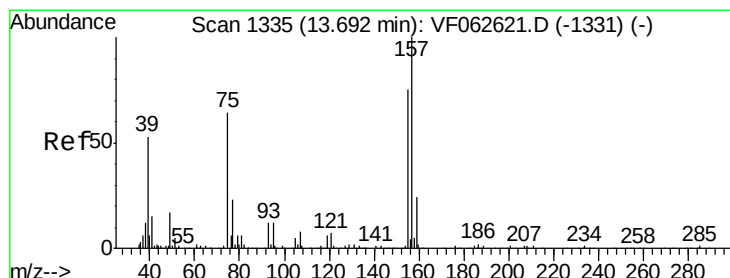
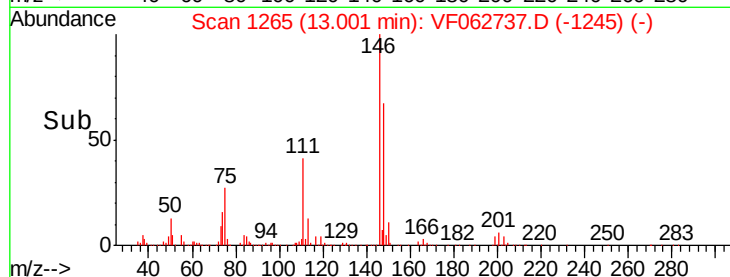
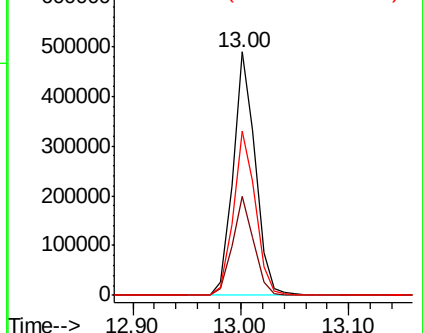
148 67.4 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.088 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

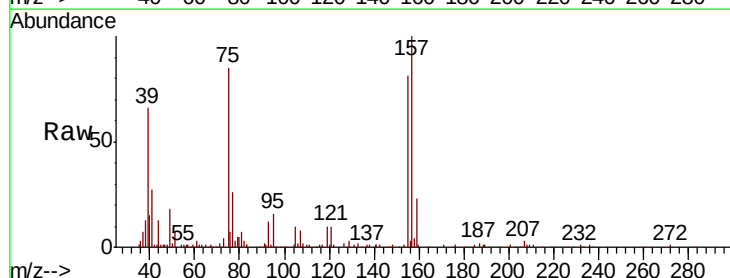
Tgt Ion: 75 Resp: 42447

Ion Ratio Lower Upper

75 100

155 95.0 58.1 174.3

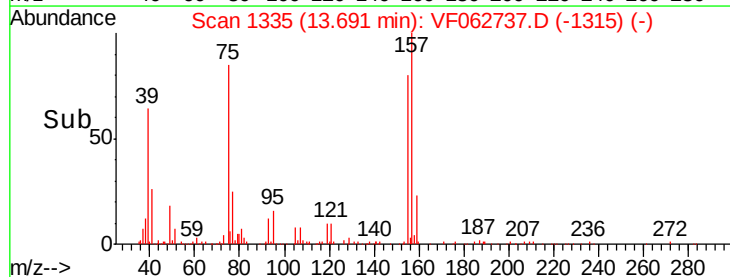
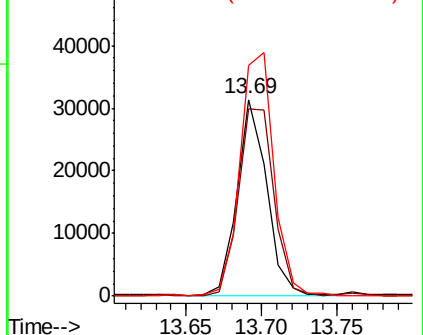
157 117.7 77.8 233.4

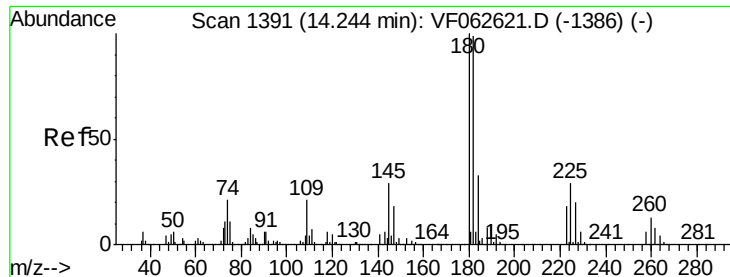


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

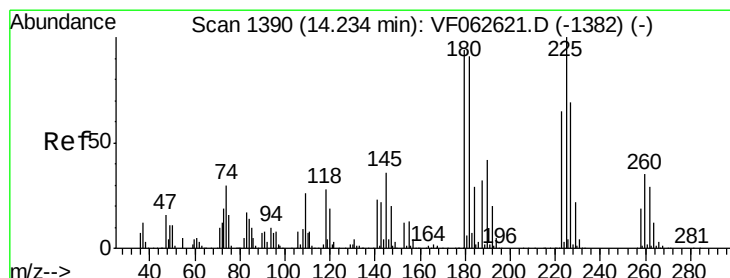
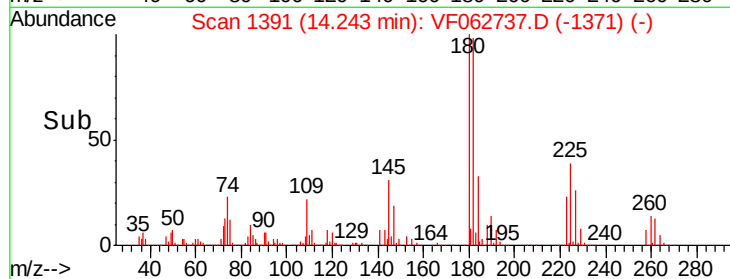
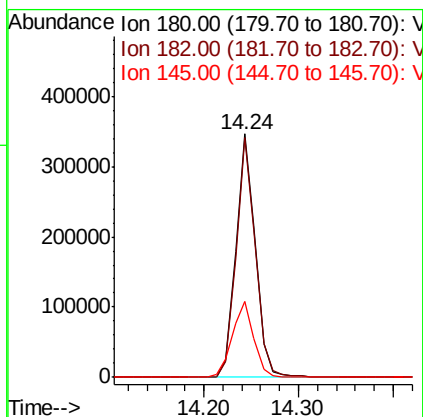
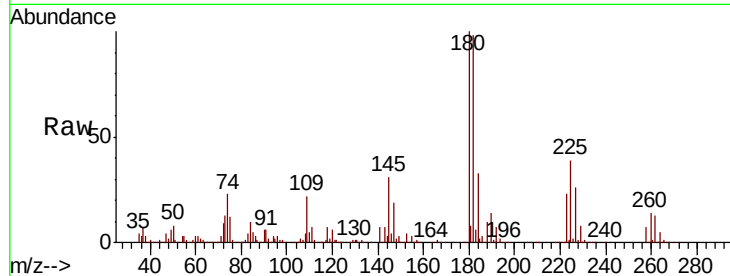




#93
 1,2,4-Trichlorobenzene
 Concen: 50.502 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

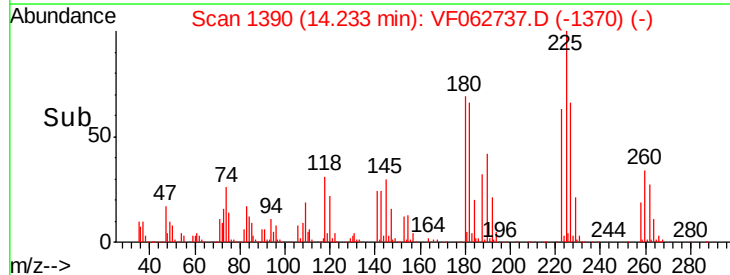
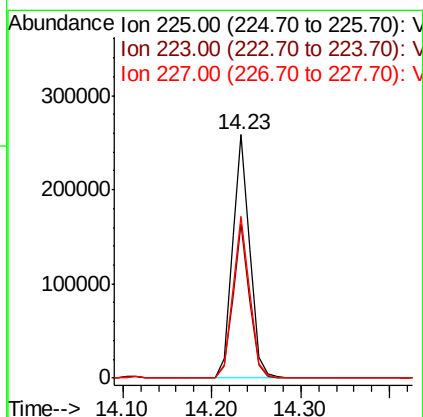
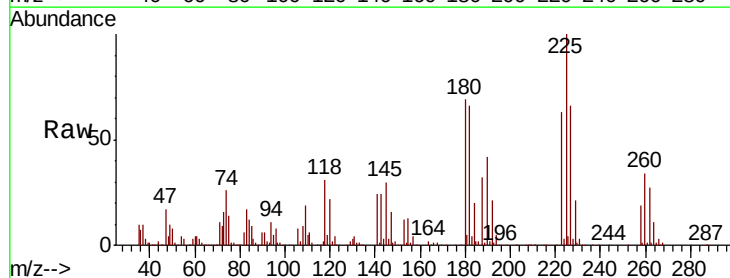
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

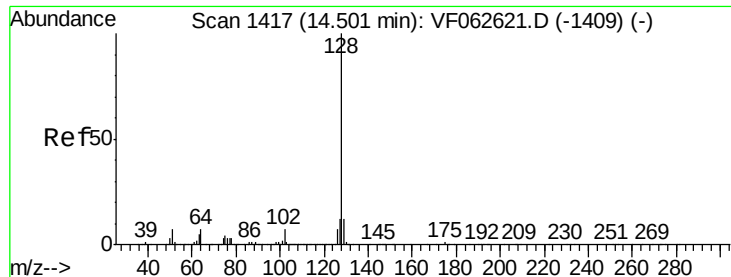
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	49.7	149.1
145	31.4	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 51.779 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.5	97.4
227	66.3	34.5	103.5





#95

Naphthalene

Concen: 47.301 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

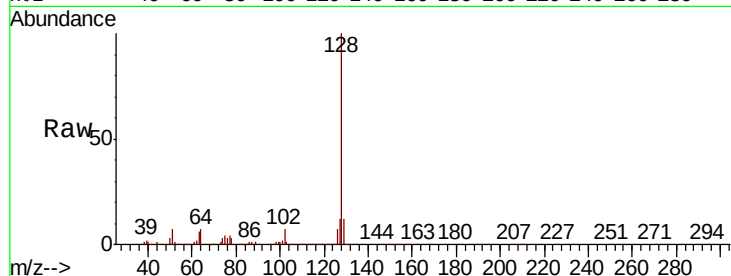
Tot Ion:128 Resp: 840324

Ion Ratio Lower Upper

128 100

127 11.8 9.7 14.5

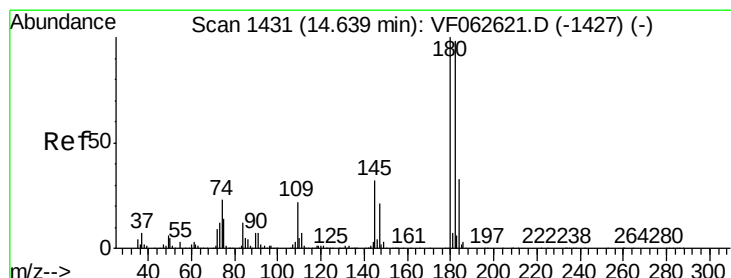
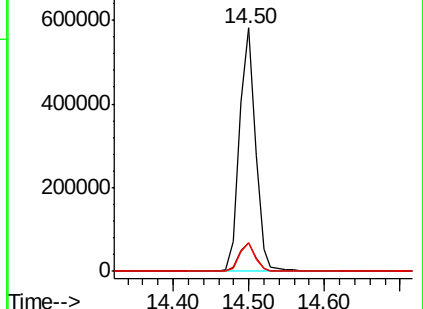
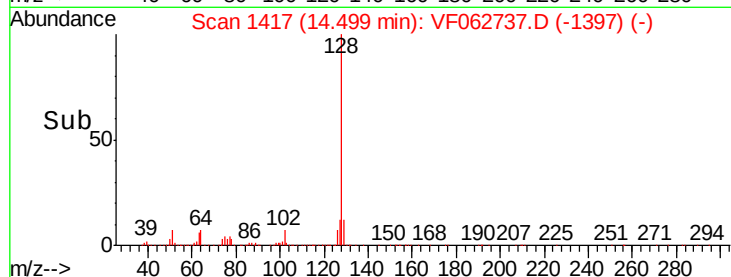
129 11.5 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.601 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

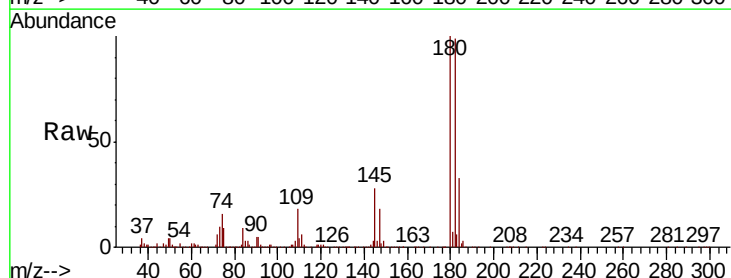
Tgt Ion:180 Resp: 450180

Ion Ratio Lower Upper

180 100

182 99.1 48.9 146.7

145 28.2 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

