

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062603.D
 Acq On : 15 May 2019 11:50
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 15 15:35:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	688039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1114729	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	815266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	394355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	246622	47.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	4.33	113	408769	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	7.73	98	985693	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.50	95	340532	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	291308	46.648	ug/l	92
3) Chloromethane	1.15	50	320750	40.878	ug/l	96
4) Vinyl Chloride	1.19	62	326757	41.842	ug/l	99
5) Bromomethane	1.39	94	170578	45.481	ug/l	97
6) Chloroethane	1.45	64	140107	47.243	ug/l	94
7) Trichlorofluoromethane	1.56	101	471320	44.049	ug/l	98
8) Diethyl Ether	1.72	74	102494	42.732	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	301759	41.345	ug/l #	90
10) Methyl Iodide	1.99	142	554114	42.628	ug/l	98
11) Tert butyl alcohol	2.70	59	77092	246.343	ug/l	97
12) 1,1-Dichloroethene	1.88	96	271264	43.387	ug/l	97
13) Acrolein	2.11	56	70638	340.589	ug/l	87
14) Allyl chloride	2.21	41	340700	53.256	ug/l	99
15) Acrylonitrile	3.10	53	313549	280.089	ug/l	96
16) Acetone	2.36	43	319652	303.070	ug/l	90
17) Carbon Disulfide	1.92	76	609582	46.511	ug/l	97
18) Methyl Acetate	2.48	43	114613	52.321	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	569667	51.174	ug/l	99
20) Methylene Chloride	2.30	84	289496m	43.288	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	272127	43.189	ug/l	98
22) Diisopropyl ether	2.95	45	721270	48.490	ug/l	97
23) Vinyl Acetate	3.36	43	1939016	238.326	ug/l	99
24) 1,1-Dichloroethane	3.03	63	497428	43.930	ug/l	99
25) 2-Butanone	4.55	43	610686	256.111	ug/l	98
26) 2,2-Dichloropropane	3.80	77	304272	49.790	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	420924	47.284	ug/l	94
28) Bromochloromethane	3.92	49	279302	43.881	ug/l #	77
29) Tetrahydrofuran	4.28	42	232881	230.795	ug/l	96
30) Chloroform	4.07	83	624643	45.973	ug/l	95
31) Cyclohexane	3.89	56	520797	44.129	ug/l	93
32) 1,1,1-Trichloroethane	4.31	97	419694	45.826	ug/l	93
36) 1,1-Dichloropropene	4.50	75	461534	47.849	ug/l	98
37) Ethyl Acetate	4.33	43	183938	46.404	ug/l #	80
38) Carbon Tetrachloride	4.21	117	378758	47.867	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	532250	47.129	ug/l	92
40) Benzene	4.84	78	1311006	47.775	ug/l	99
41) Methacrylonitrile	4.95	41	111238	49.557	ug/l	95
42) 1,2-Dichloroethane	5.15	62	271062	46.549	ug/l	96
43) Isopropyl Acetate	7.13	43	248549	52.990	ug/l #	94
44) Trichloroethene	5.71	130	354823	47.879	ug/l	99
45) 1,2-Dichloropropane	6.43	63	347255	50.274	ug/l	97
46) Dibromomethane	6.28	93	193519	50.112	ug/l	99
47) Bromodichloromethane	6.58	83	427371	51.480	ug/l	98
48) Methyl methacrylate	6.89	41	126669	49.337	ug/l	92
49) 1,4-Dioxane	6.88	88	26198	774.331	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	884684	257.409	ug/l	97
52) Toluene	7.80	92	673066	48.861	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	321992	49.095	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	462641	49.918	ug/l	100
55) 1,1,2-Trichloroethane	8.66	97	214438	51.992	ug/l	94
56) Ethyl methacrylate	8.77	69	231825	51.284	ug/l	98
57) 1,3-Dichloropropane	9.01	76	335299	49.256	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	347091	245.400	ug/l	100
59) 2-Hexanone	9.63	43	616065	271.410	ug/l	98
60) Dibromochloromethane	8.87	129	282438	53.898	ug/l	97
61) 1,2-Dibromoethane	9.15	107	210162	50.805	ug/l	98
64) Tetrachloroethene	8.32	164	257634	47.823	ug/l	94
65) Chlorobenzene	9.95	112	677751	47.818	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	305540	52.483	ug/l	95
67) Ethyl Benzene	10.05	91	1207914	47.967	ug/l	96
68) m/p-Xylenes	10.27	106	877068	98.265	ug/l	98
69) o-Xylene	10.83	106	472001	50.411	ug/l	99
70) Styrene	10.90	104	676932	47.580	ug/l	98
71) Bromoform	10.89	173	145205	52.973	ug/l #	93
73) Isopropylbenzene	11.23	105	1282136	48.355	ug/l	97
74) N-amyl acetate	11.46	43	335008	52.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	263379	48.486	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	167291	48.039	ug/l	90
77) Bromobenzene	11.59	156	302601	50.501	ug/l	85
78) n-propylbenzene	11.68	91	1479424	46.909	ug/l	98
79) 2-Chlorotoluene	11.81	91	836017	48.032	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	1044942	50.345	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	75493m	50.861	ug/l	
82) 4-Chlorotoluene	11.98	91	833401	48.969	ug/l	99
83) tert-Butylbenzene	12.20	119	1121075	51.636	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	995495	48.827	ug/l	97
85) sec-Butylbenzene	12.38	105	1448041	49.126	ug/l	93
86) p-Isopropyltoluene	12.53	119	1222391	50.380	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	553945	47.266	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	530746	48.277	ug/l	98
89) n-Butylbenzene	12.90	91	1178804	47.728	ug/l	96
90) Hexachloroethane	12.98	117	313077	50.373	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	527819	50.767	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	32660	48.948	ug/l	95

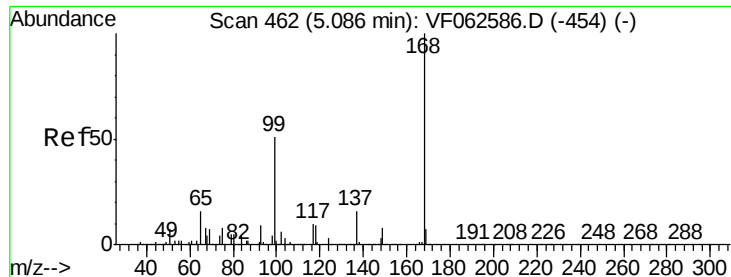
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	366908	50.748	ug/l	97
94) Hexachlorobutadiene	14.23	225	256844	48.904	ug/l	96
95) Naphthalene	14.50	128	662585	56.305	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	352023	52.484	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

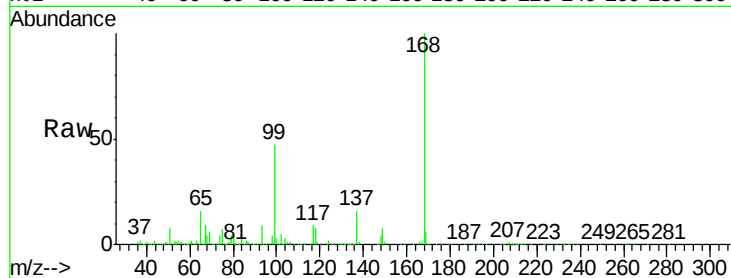
VSTDCCC050

Tot Ion:168 Resp: 688039

Ion Ratio Lower Upper

168 100

99 46.9 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

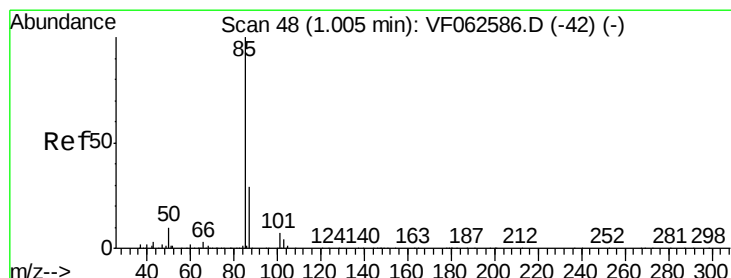
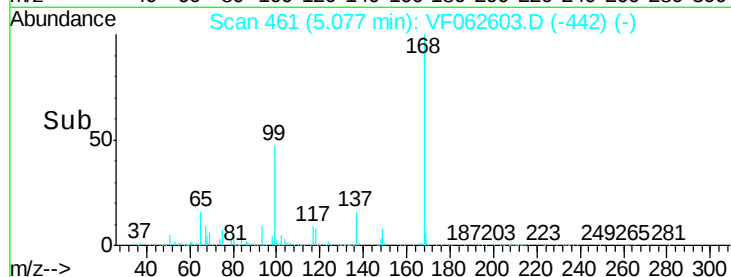
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.648 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062603.D

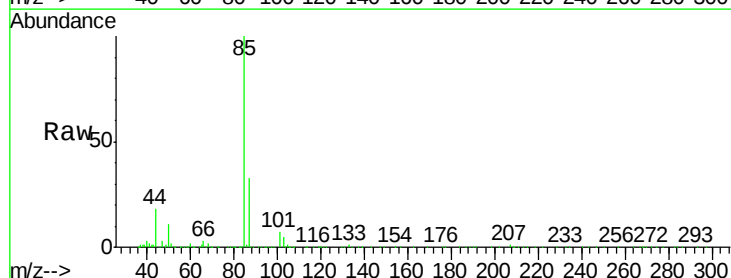
Acq: 15 May 2019 11:50

Tgt Ion: 85 Resp: 291308

Ion Ratio Lower Upper

85 100

87 33.2 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

100000

80000

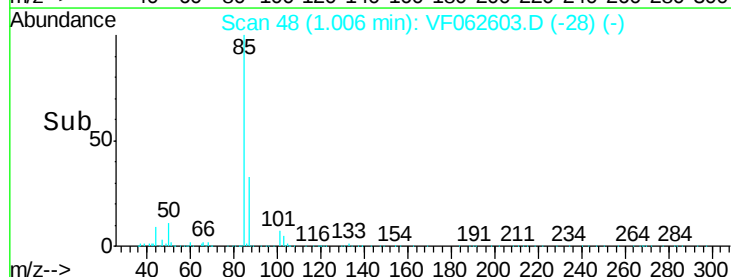
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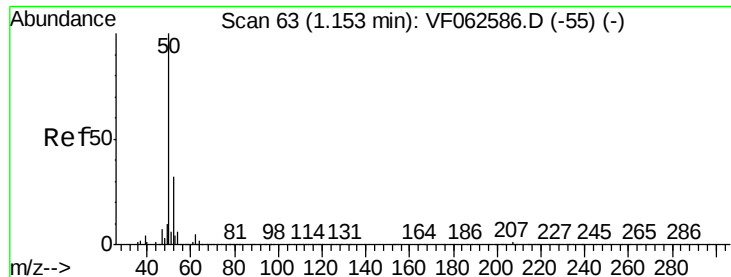
40000

20000

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Time-->





#3

Chloromethane

Concen: 40.878 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

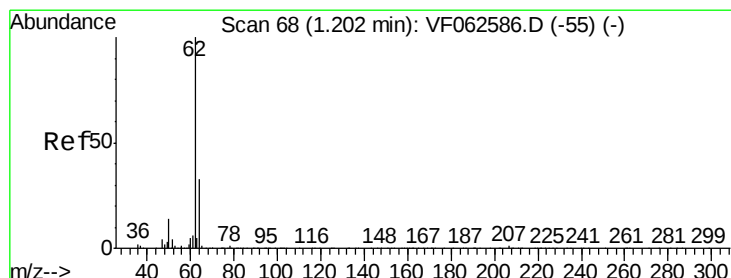
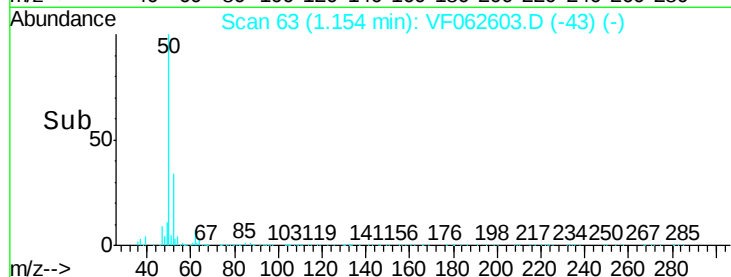
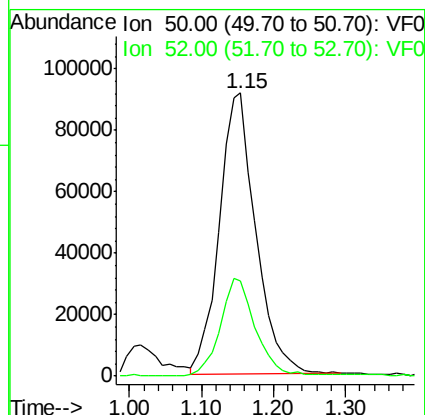
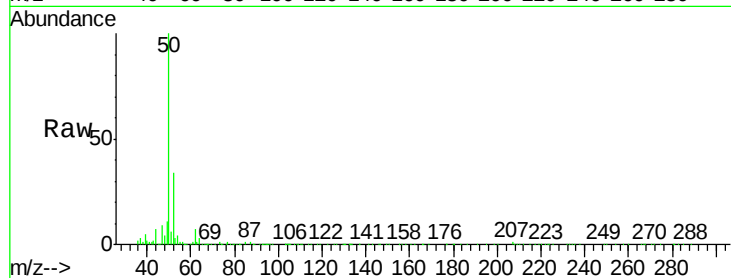
VSTDCCC050

Tot Ion: 50 Resp: 320750

Ion Ratio Lower Upper

50 100

52 33.6 25.3 37.9



#4

Vinyl Chloride

Concen: 41.842 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062603.D

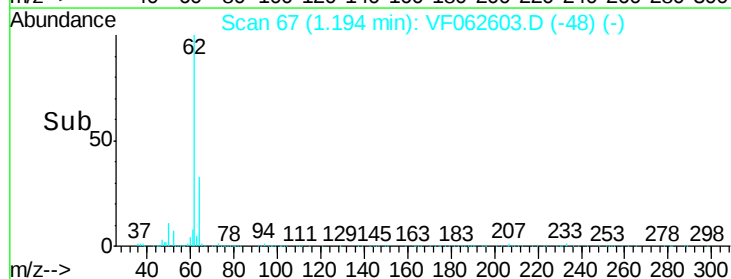
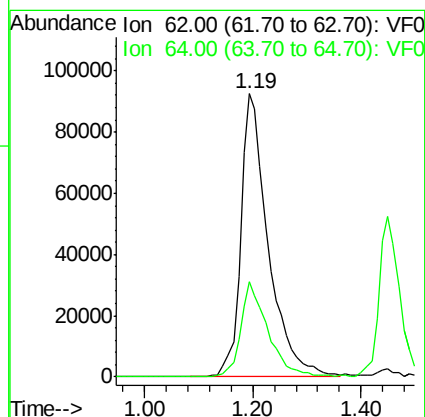
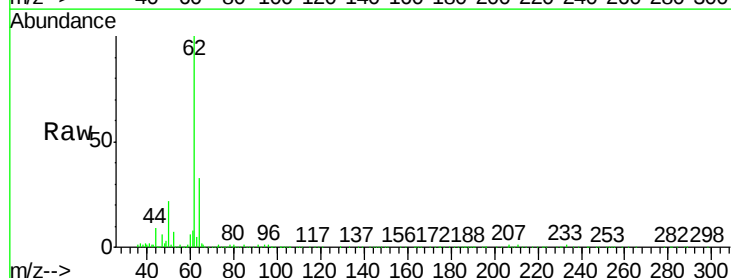
Acq: 15 May 2019 11:50

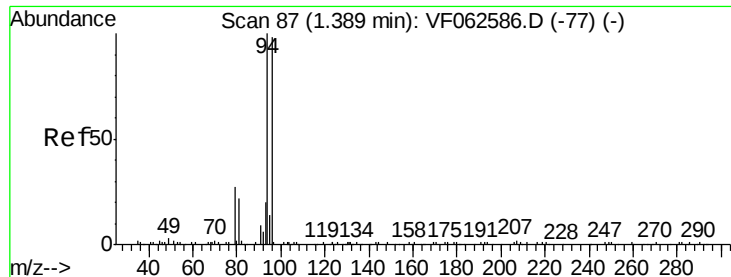
Tgt Ion: 62 Resp: 326757

Ion Ratio Lower Upper

62 100

64 33.4 26.5 39.7





#5

Bromomethane

Concen: 45.481 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

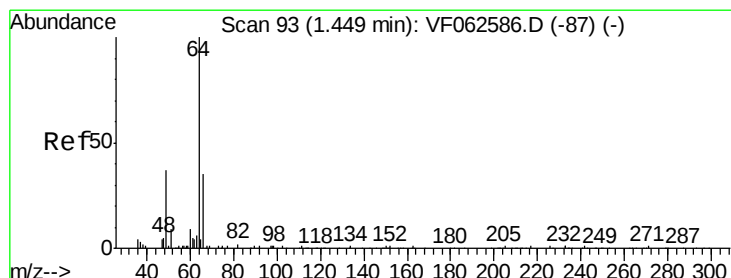
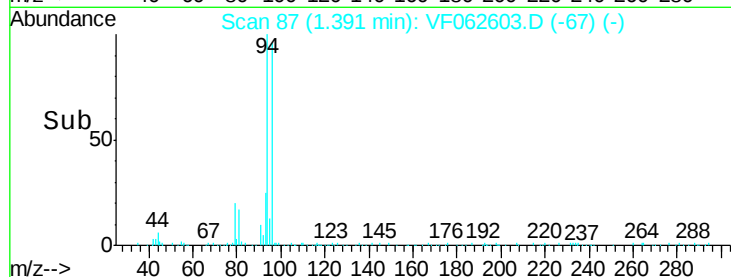
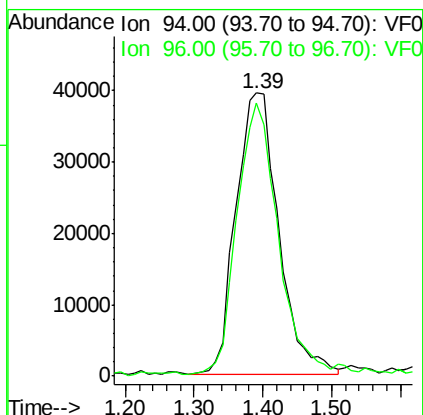
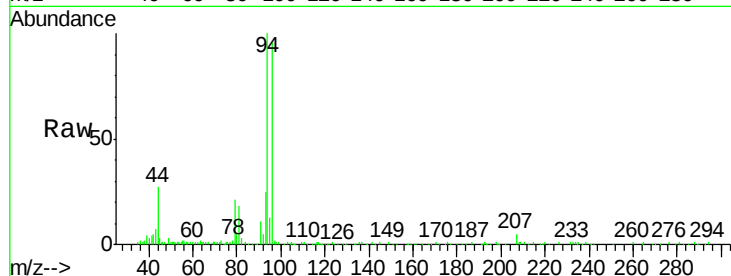
VSTDCCC050

Tot Ion: 94 Resp: 170578

Ion Ratio Lower Upper

94 100

96 96.4 79.3 118.9



#6

Chloroethane

Concen: 47.243 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062603.D

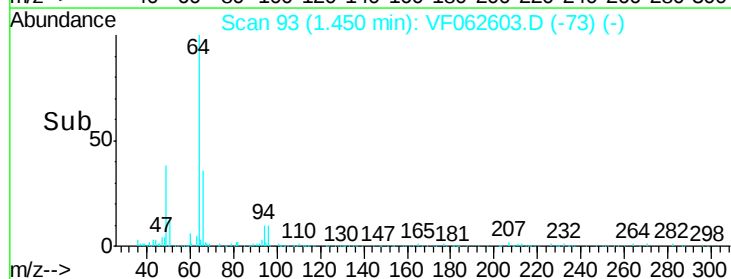
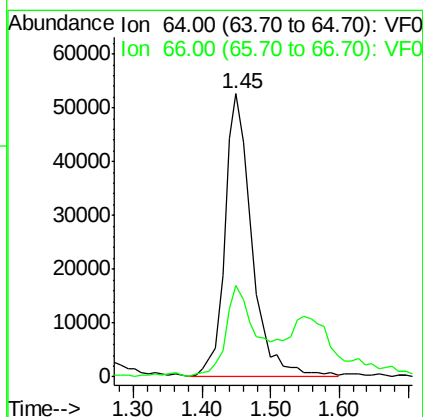
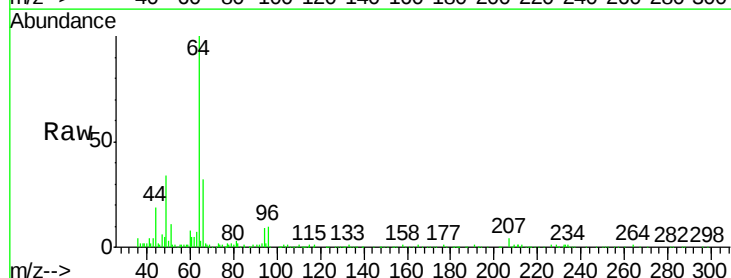
Acq: 15 May 2019 11:50

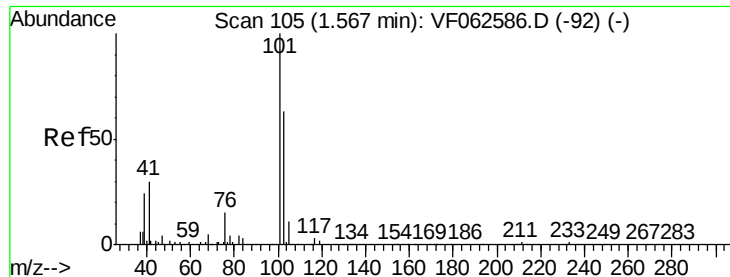
Tgt Ion: 64 Resp: 140107

Ion Ratio Lower Upper

64 100

66 32.4 28.9 43.3



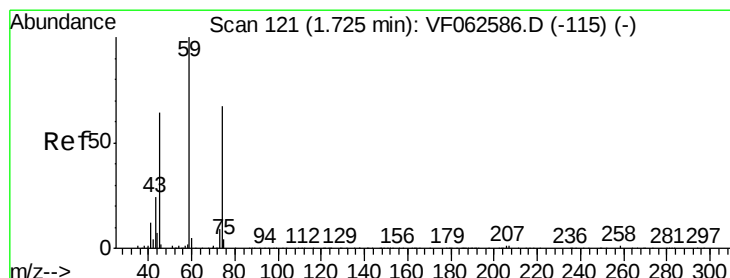
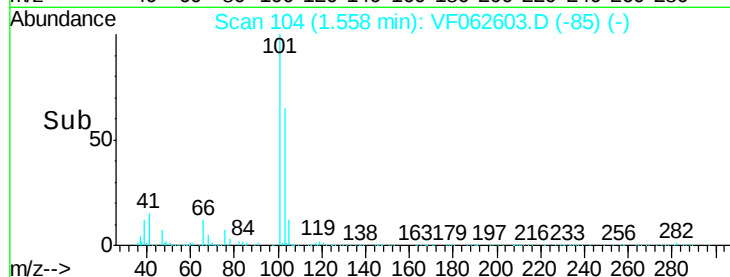
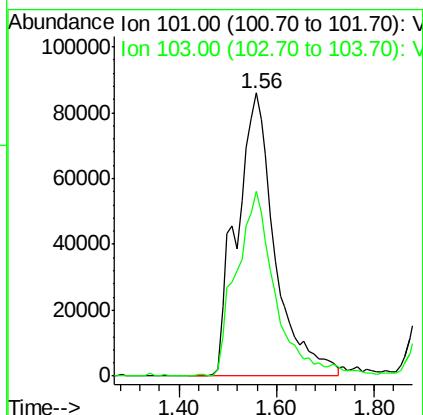
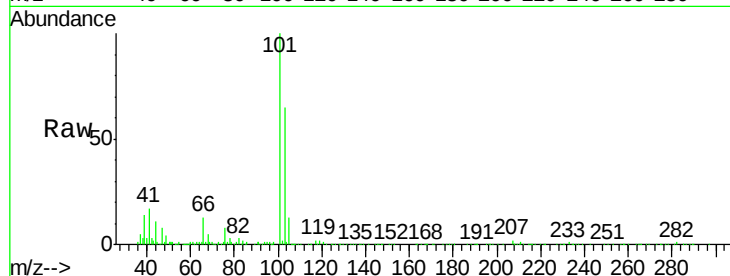


#7

Trichlorofluoromethane
Concen: 44.049 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

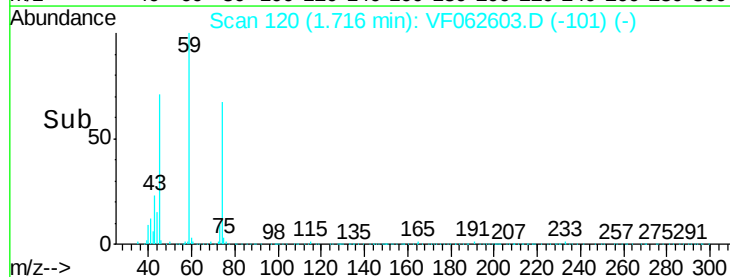
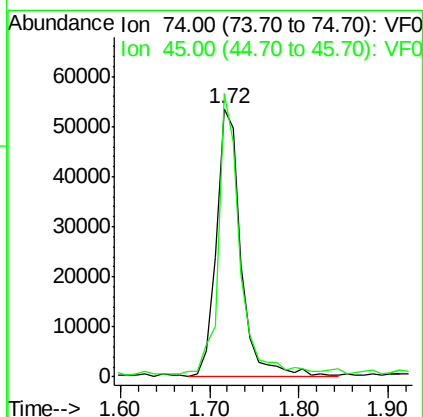
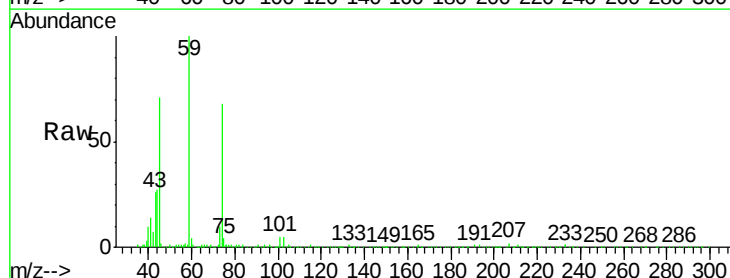
Tot Ion:101 Resp: 471320
Ion Ratio Lower Upper
101 100
103 65.4 50.8 76.2

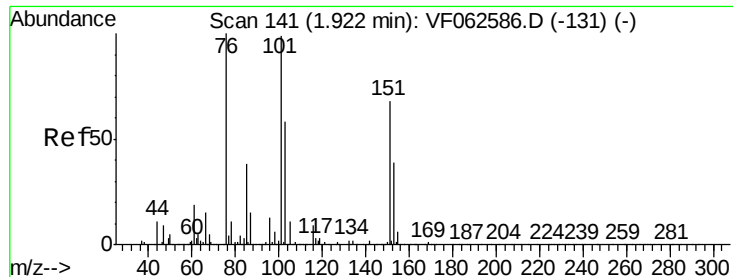


#8

Diethyl Ether
Concen: 42.732 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 74 Resp: 102494
Ion Ratio Lower Upper
74 100
45 105.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.345 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

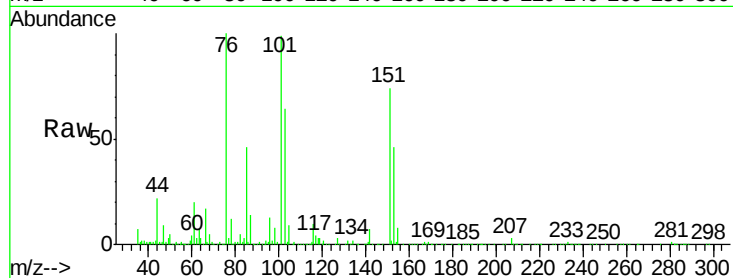
Tot Ion:101 Resp: 301759

Ion Ratio Lower Upper

101 100

85 46.9 30.2 45.4#

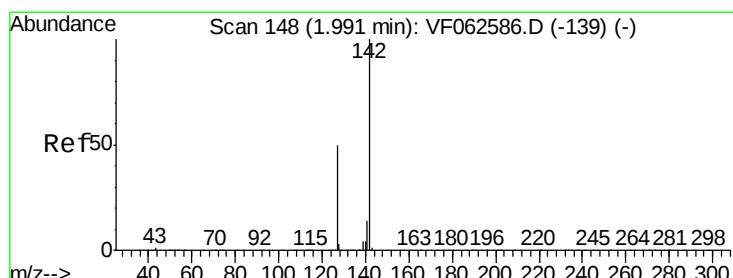
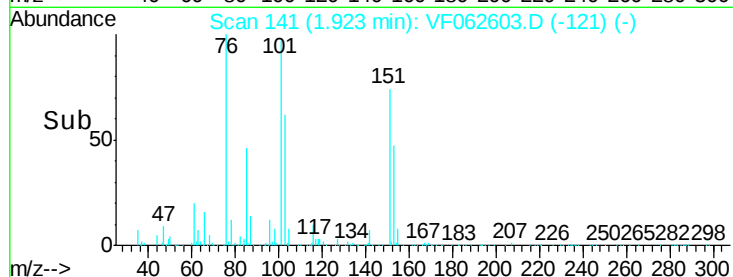
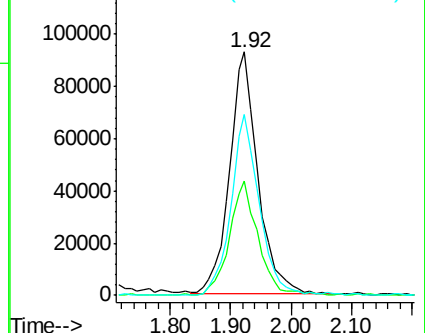
151 74.2 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 42.628 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

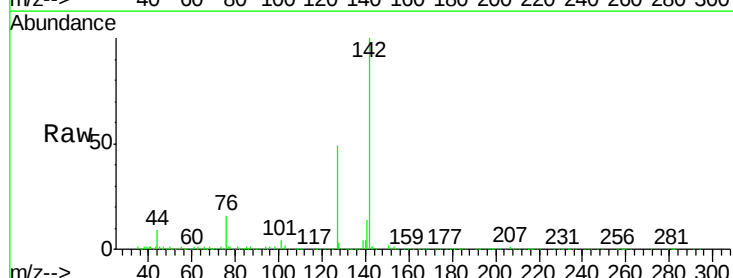
Tgt Ion:142 Resp: 554114

Ion Ratio Lower Upper

142 100

127 48.9 40.2 60.4

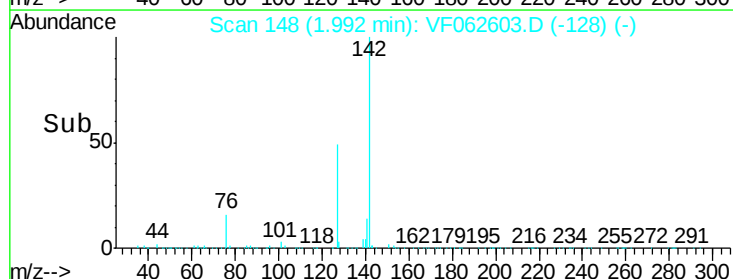
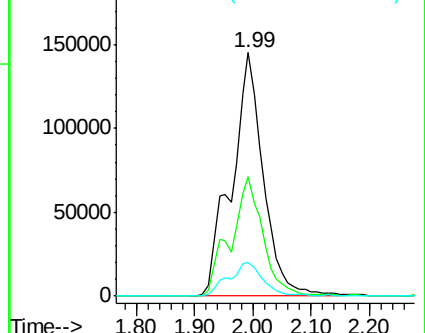
141 13.8 11.6 17.4

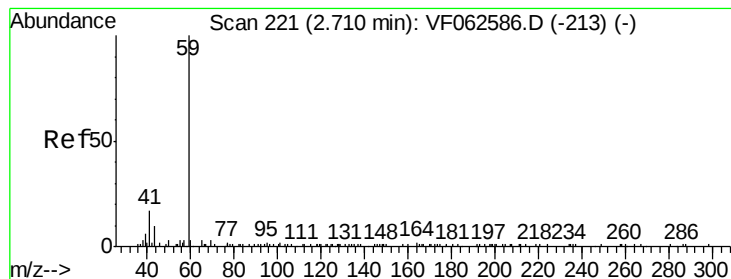


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



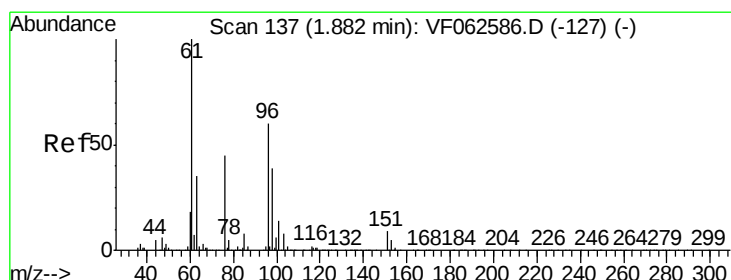
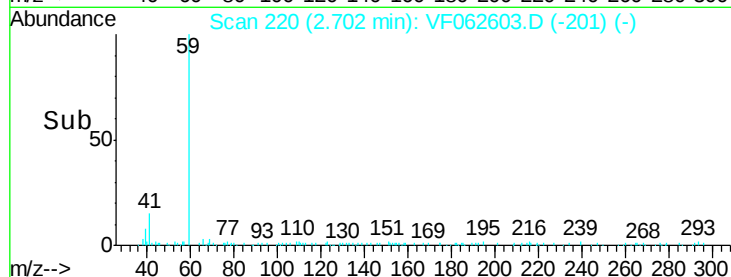
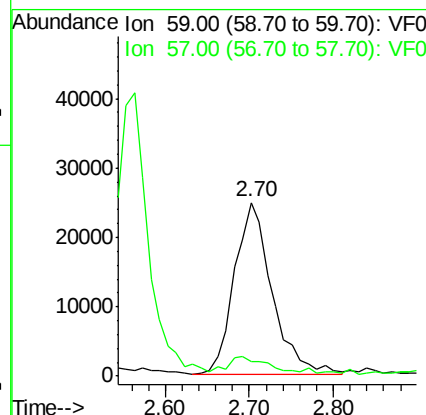
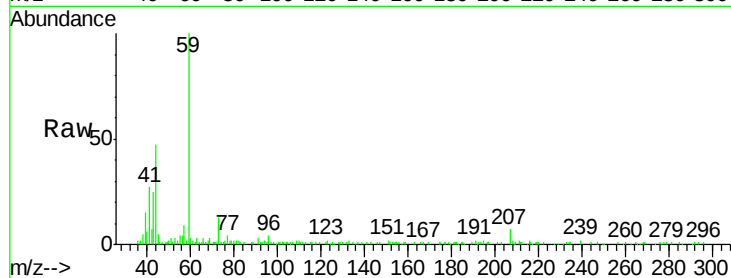


#11

Tert butyl alcohol
Concen: 246.343 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

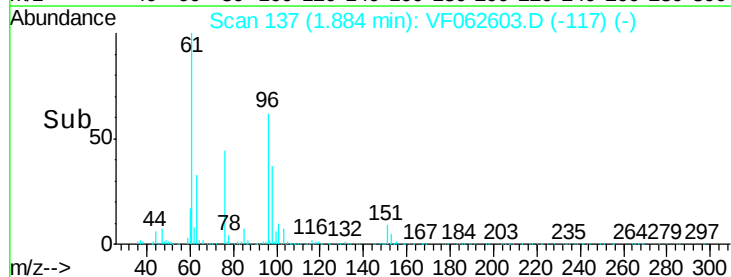
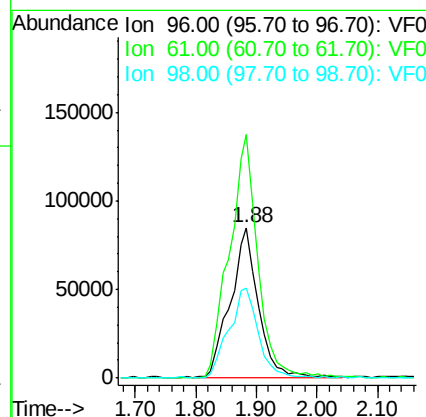
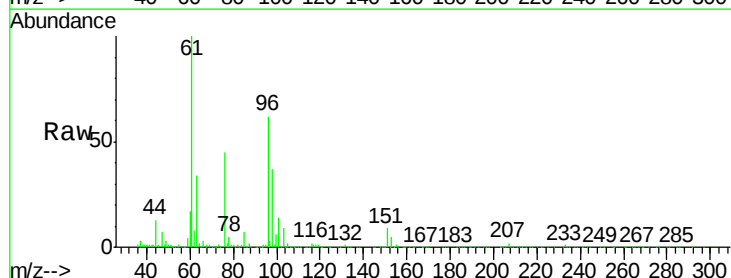
Tot Ion: 59 Resp: 77092
Ion Ratio Lower Upper
59 100
57 8.7 8.0 12.0

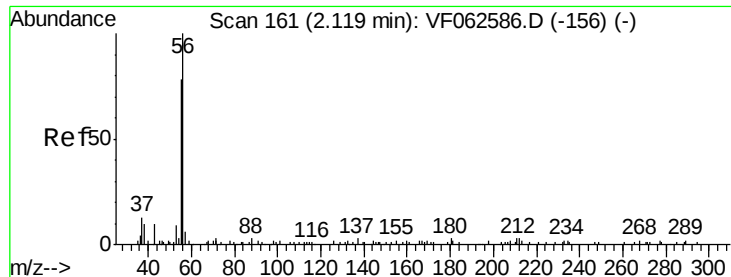


#12

1,1-Dichloroethene
Concen: 43.387 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 96 Resp: 271264
Ion Ratio Lower Upper
96 100
61 161.8 132.0 198.0
98 59.5 51.3 76.9





#13

Acrolein

Concen: 340.589 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

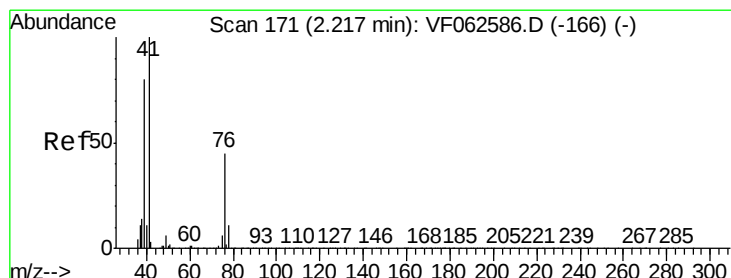
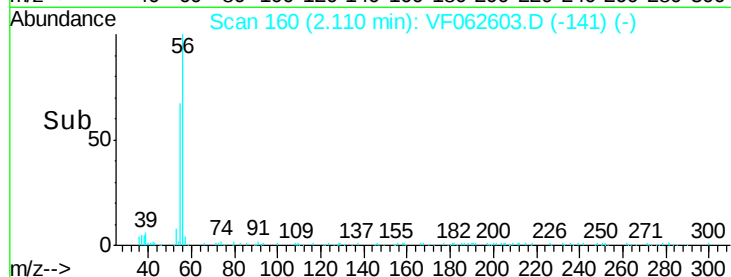
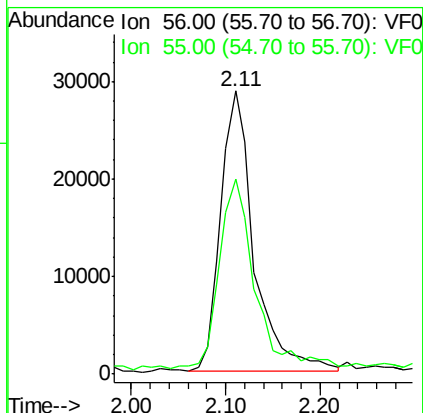
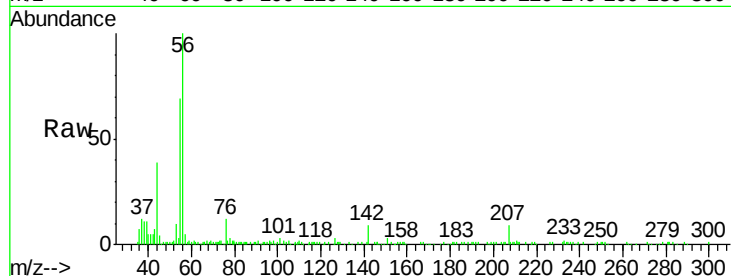
VSTDCCC050

Tot Ion: 56 Resp: 70638

Ion Ratio Lower Upper

56 100

55 68.9 64.6 96.8



#14

Allyl chloride

Concen: 53.256 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

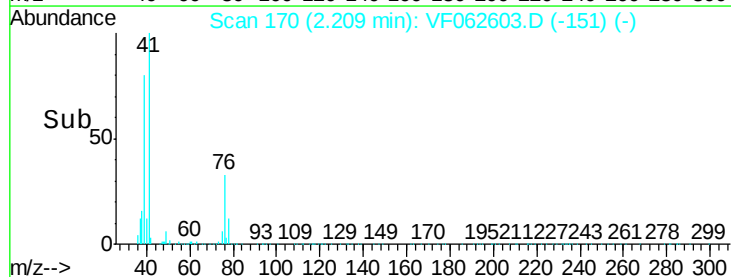
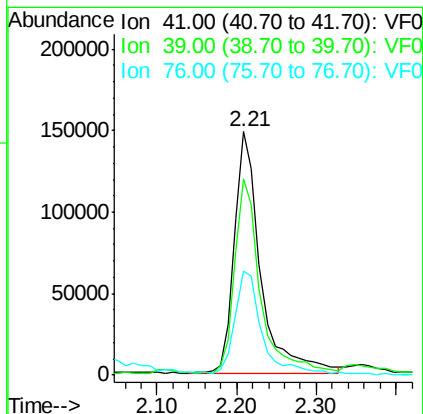
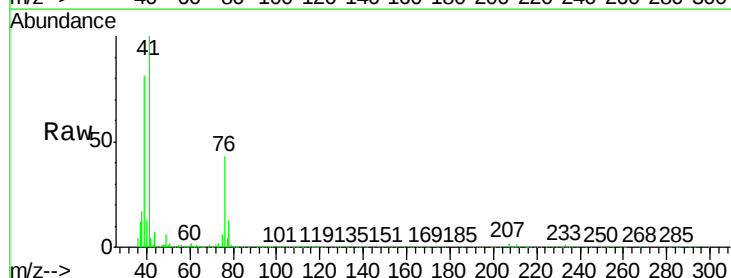
Tgt Ion: 41 Resp: 340700

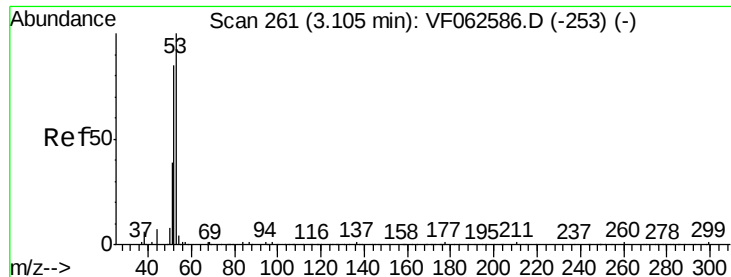
Ion Ratio Lower Upper

41 100

39 80.6 64.6 96.8

76 42.7 36.1 54.1





#15

Acrylonitrile

Concen: 280.089 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

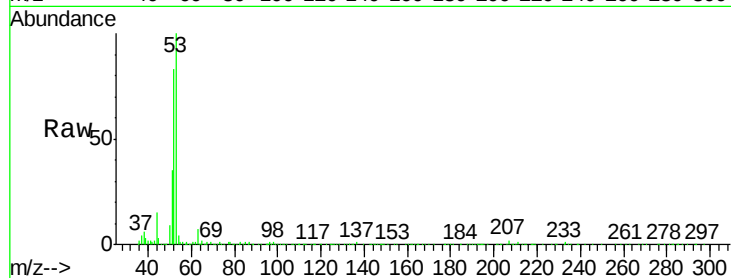
Tot Ion: 53 Resp: 313549

Ion Ratio Lower Upper

53 100

52 82.7 68.3 102.5

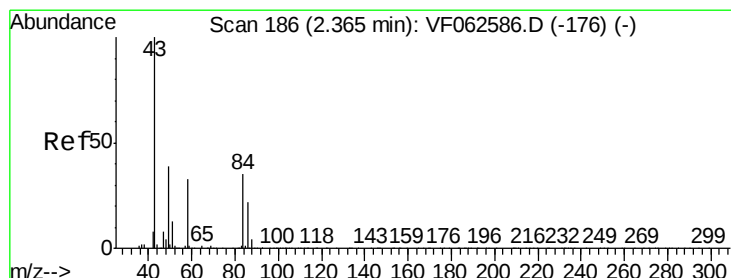
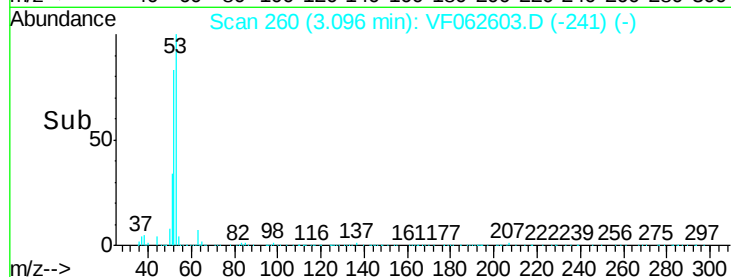
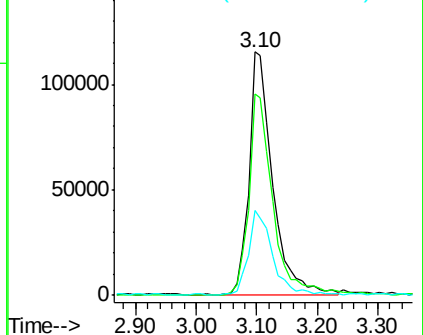
51 35.0 31.5 47.3



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: 303.070 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062603.D

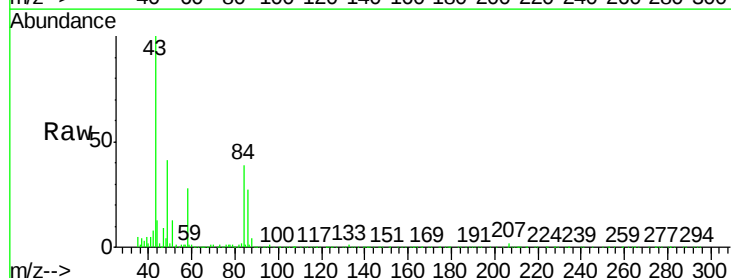
Acq: 15 May 2019 11:50

Tgt Ion: 43 Resp: 319652

Ion Ratio Lower Upper

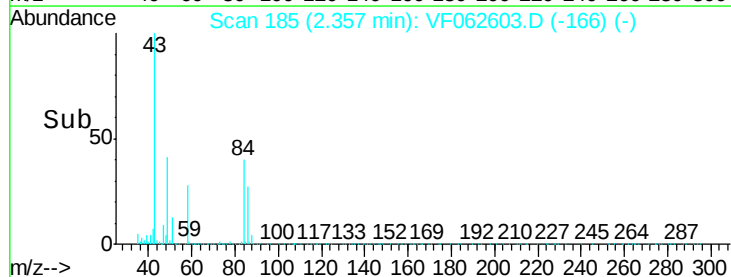
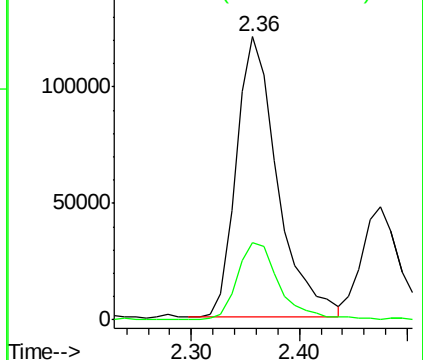
43 100

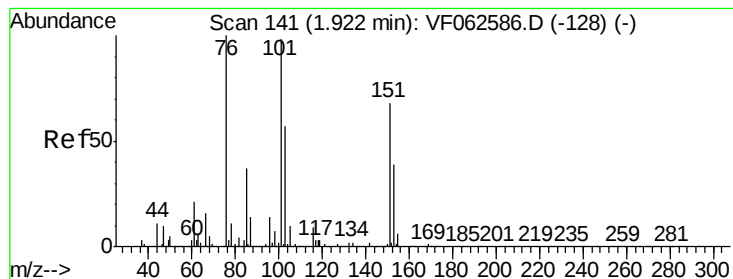
58 27.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 46.511 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

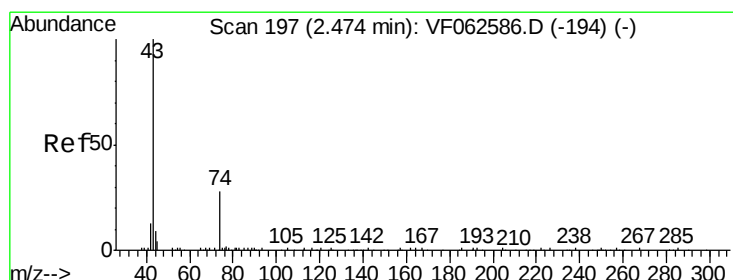
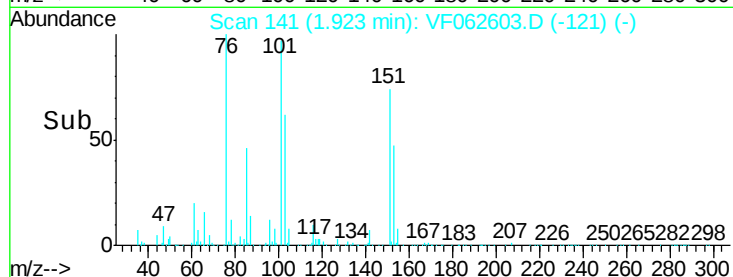
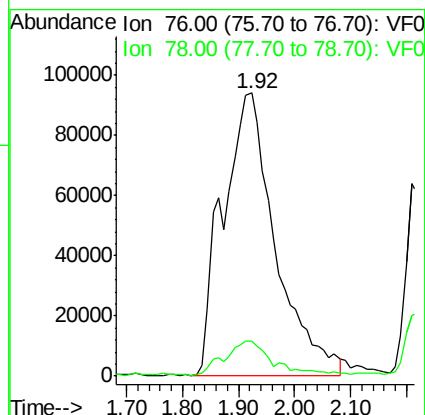
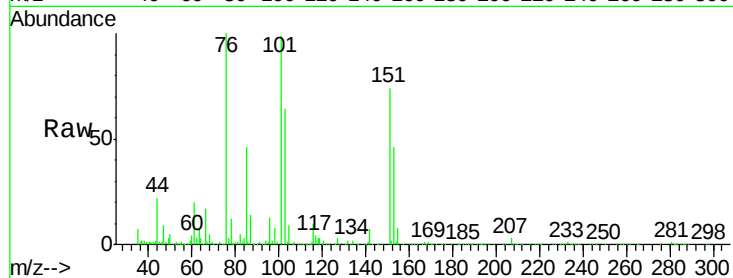
VSTDCCC050

Tot Ion: 76 Resp: 609582

Ion Ratio Lower Upper

76 100

78 12.4 9.0 13.4



#18

Methyl Acetate

Concen: 52.321 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062603.D

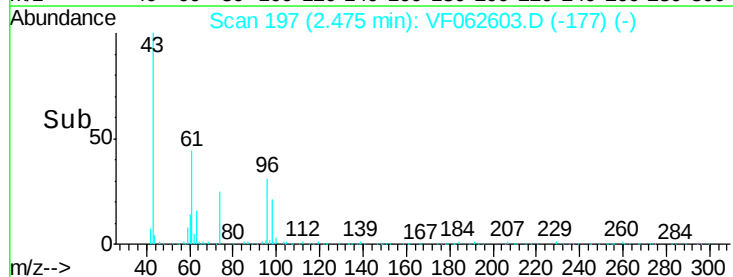
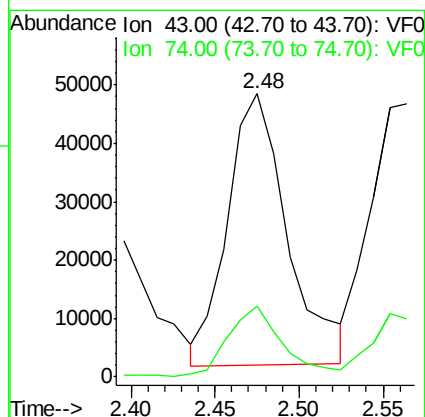
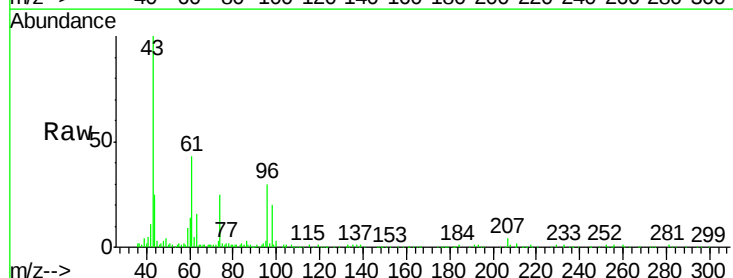
Acq: 15 May 2019 11:50

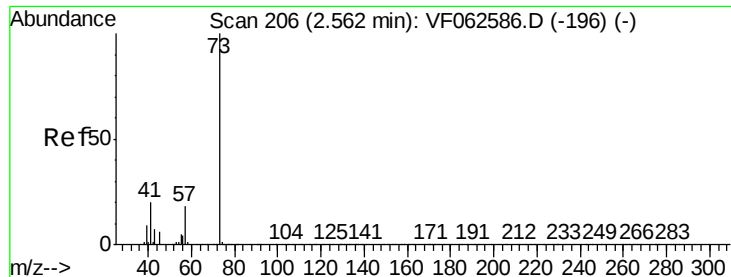
Tgt Ion: 43 Resp: 114613

Ion Ratio Lower Upper

43 100

74 25.2 21.4 32.0



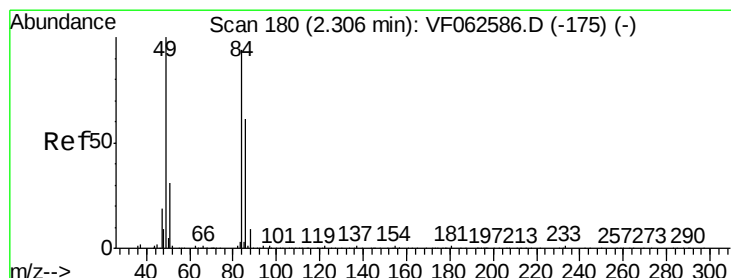
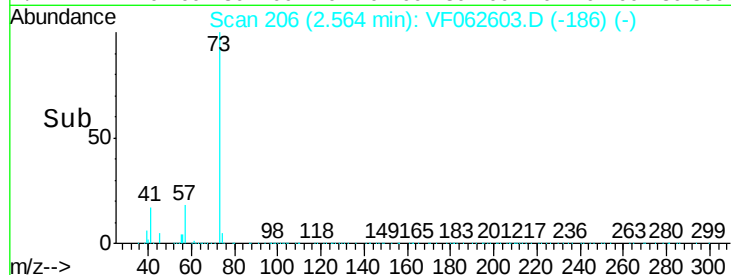
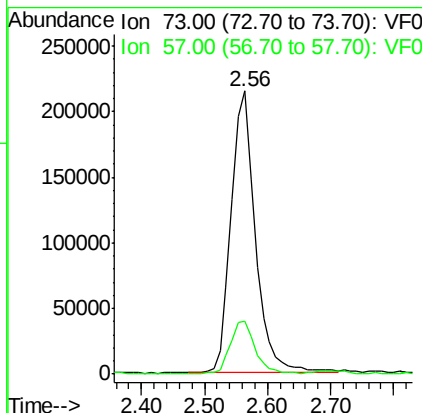
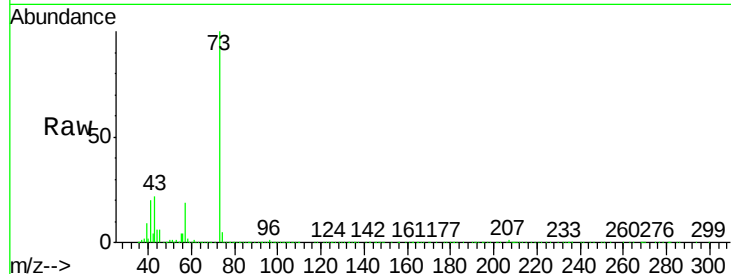


#19

Methyl tert-butyl Ether
 Concen: 51.174 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

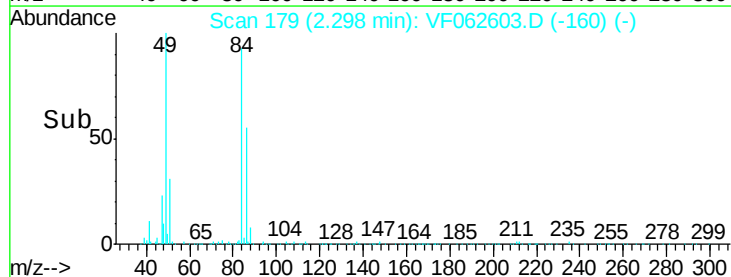
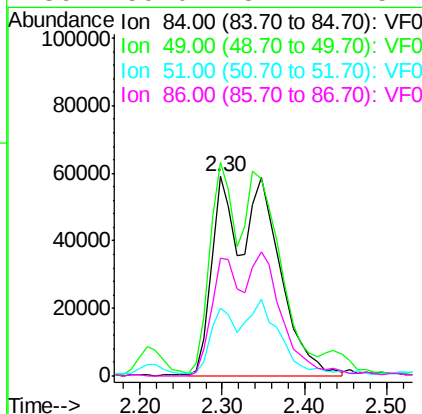
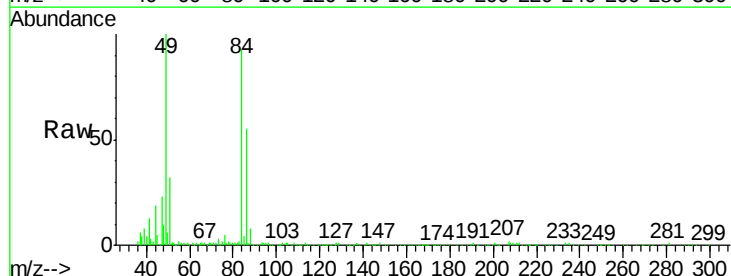
Tot Ion: 73 Resp: 569667
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.6 22.0

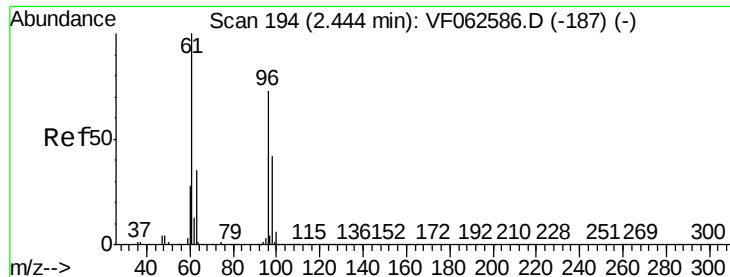


#20

Methylene Chloride
 Concen: 43.288 ug/l m
 RT: 2.30 min Scan# 179
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion: 84 Resp: 289496
 Ion Ratio Lower Upper
 84 100
 49 107.1 86.9 130.3
 51 33.9 27.0 40.6
 86 59.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 43.189 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

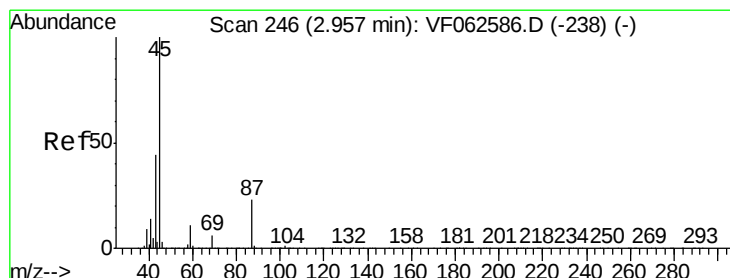
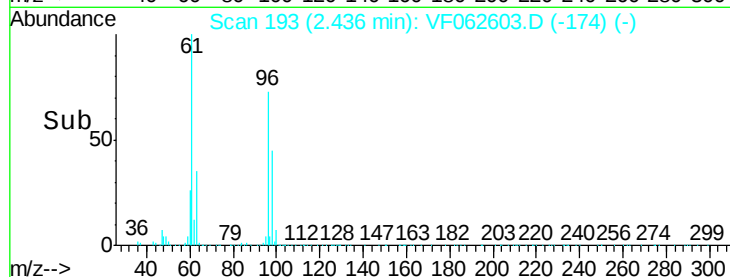
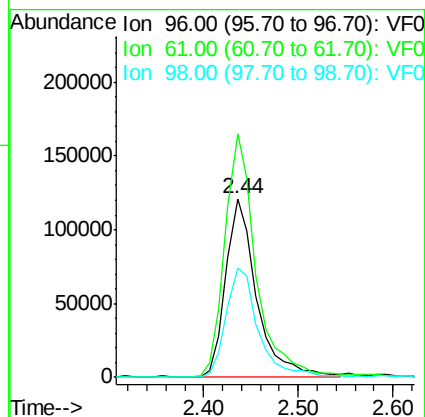
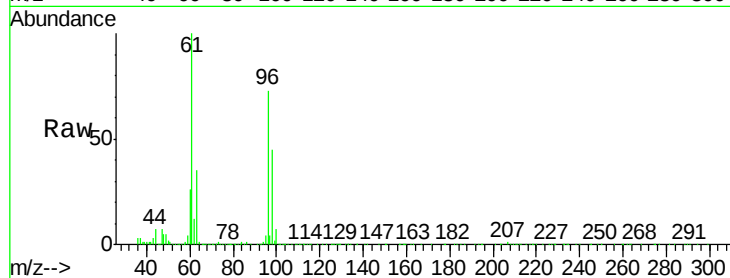
Tot Ion: 96 Resp: 272127

Ion Ratio Lower Upper

96 100

61 136.2 109.2 163.8

98 61.3 46.3 69.5



#22

Diisopropyl ether

Concen: 48.490 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Tgt Ion: 45 Resp: 721270

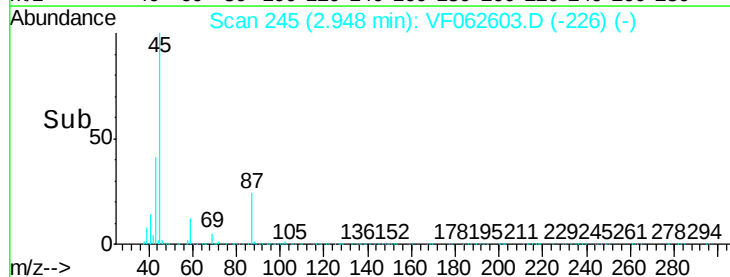
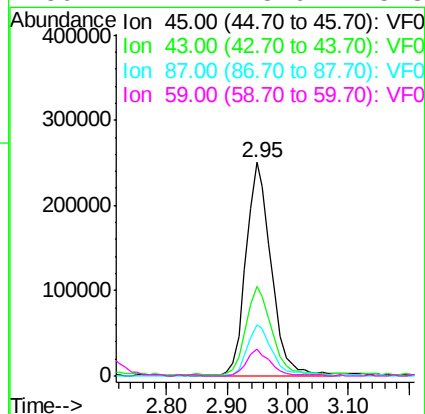
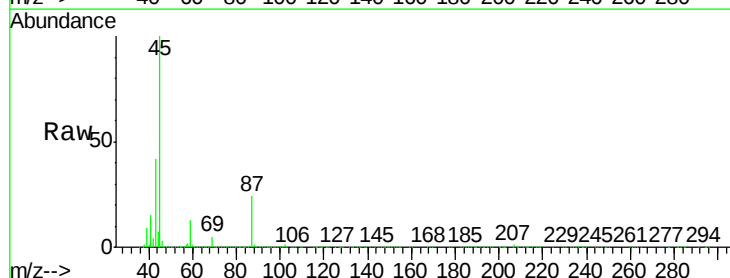
Ion Ratio Lower Upper

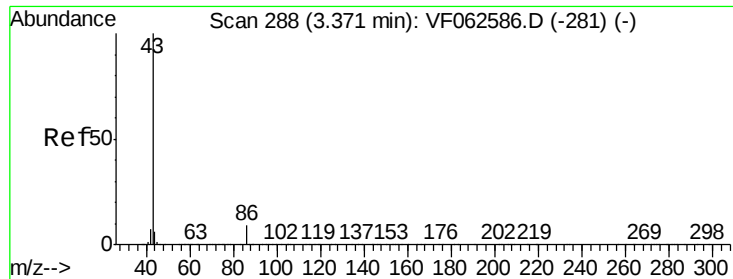
45 100

43 42.2 35.4 53.0

87 23.8 18.4 27.6

59 12.7 8.9 13.3





#23

Vinyl Acetate

Concen: 238.326 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

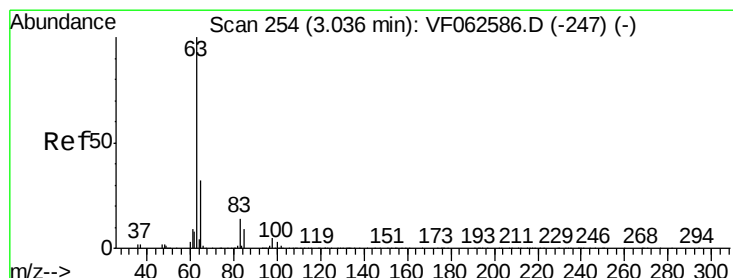
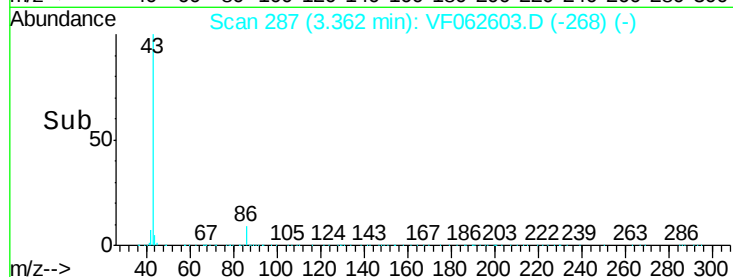
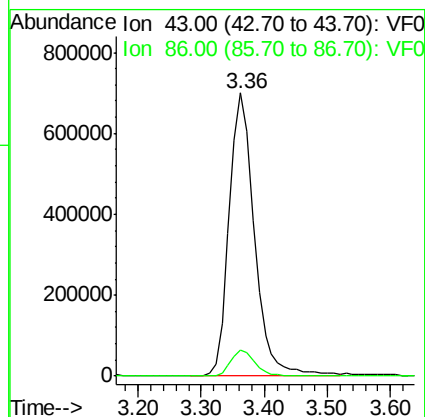
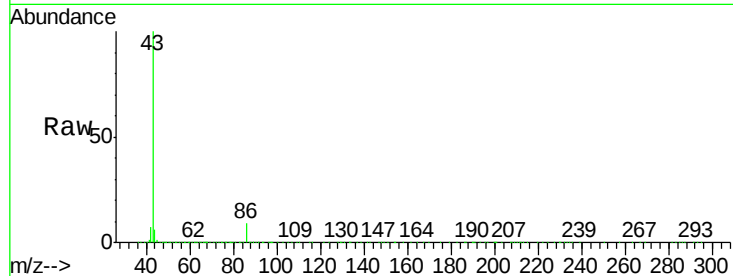
VSTDCCC050

Tot Ion: 43 Resp: 1939016

Ion Ratio Lower Upper

43 100

86 9.2 7.1 10.7



#24

1,1-Dichloroethane

Concen: 43.930 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

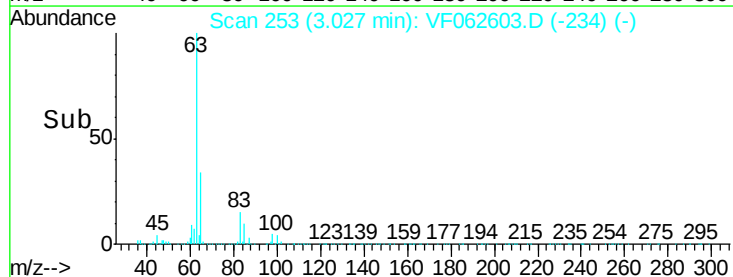
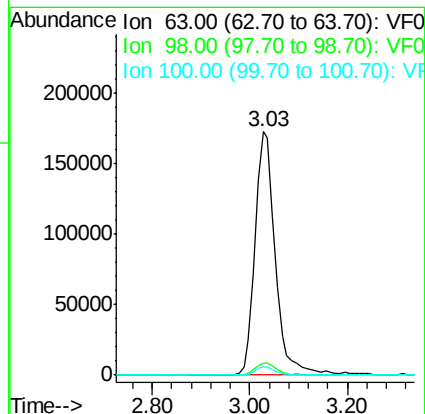
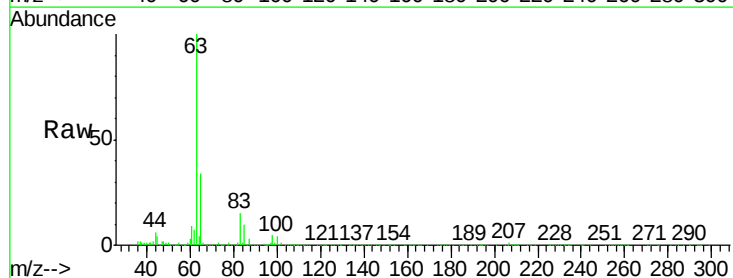
Tgt Ion: 63 Resp: 497428

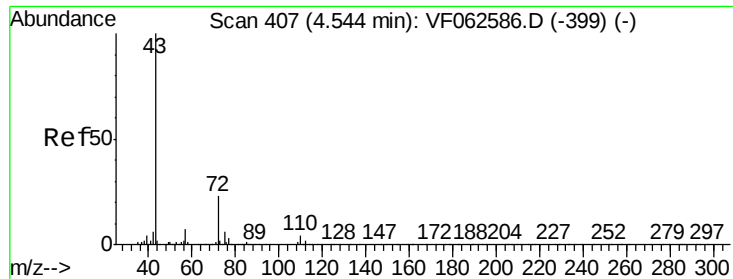
Ion Ratio Lower Upper

63 100

98 4.7 2.6 7.8

100 3.6 1.7 5.1





#25

2-Butanone

Concen: 256.111 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

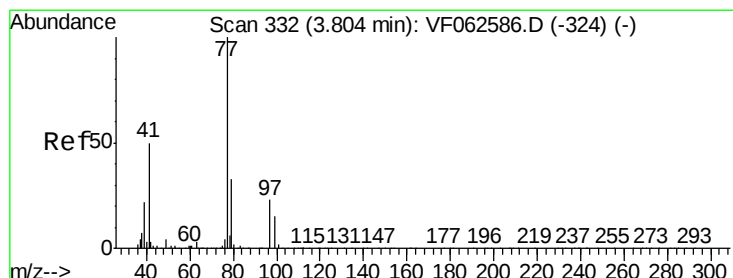
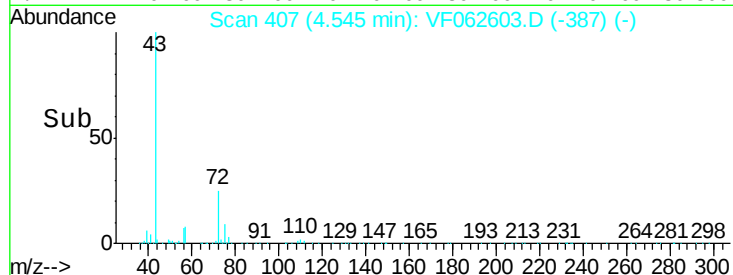
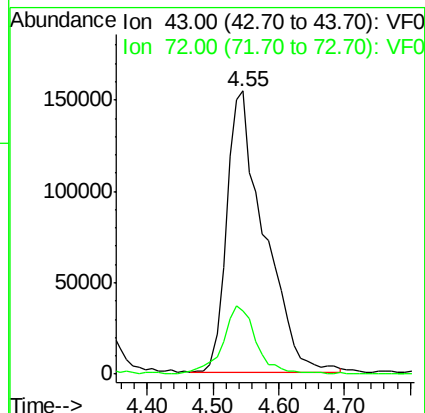
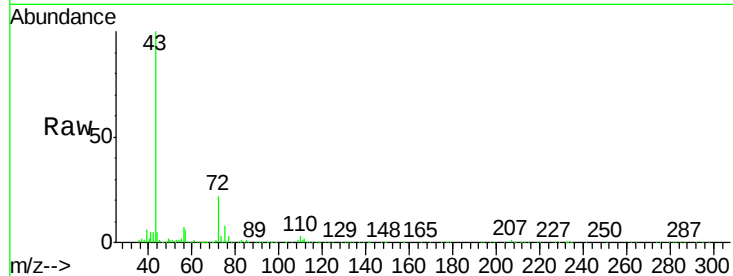
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 610686

Ion Ratio Lower Upper

43 100

72 22.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 49.790 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062603.D

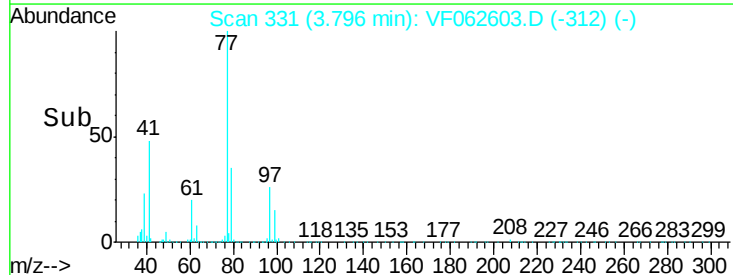
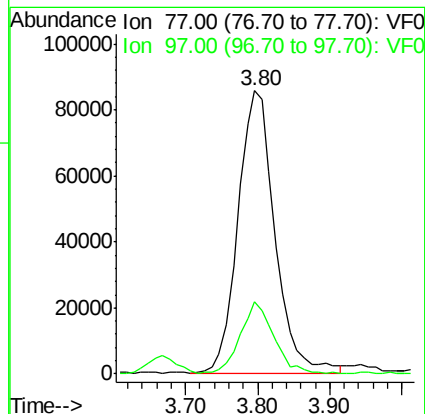
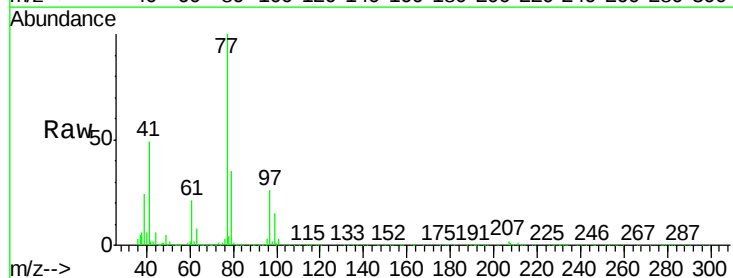
Acq: 15 May 2019 11:50

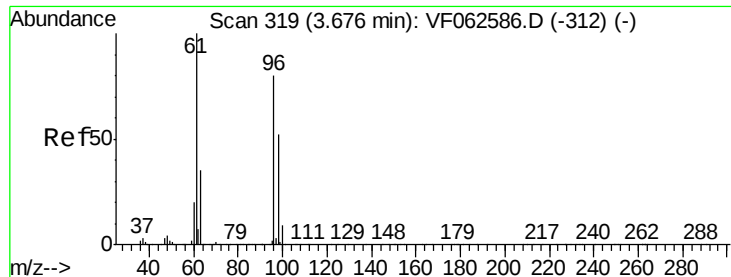
Tgt Ion: 77 Resp: 304272

Ion Ratio Lower Upper

77 100

97 25.5 12.0 36.0



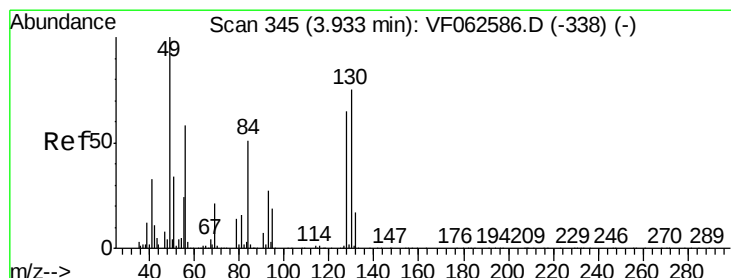
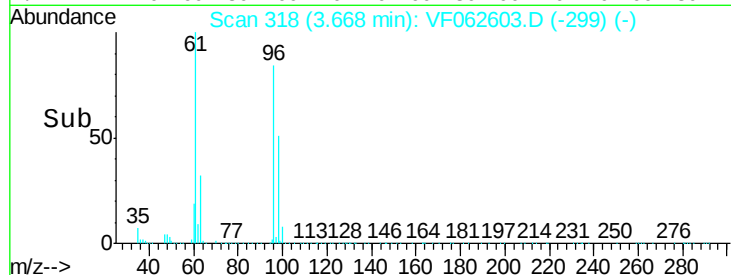
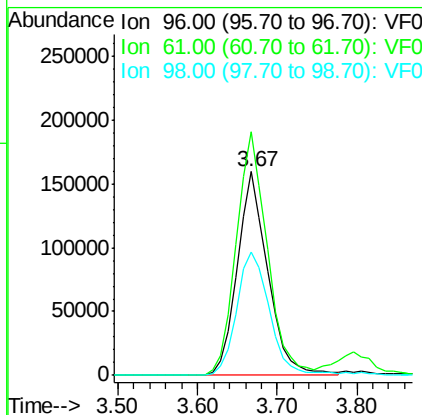
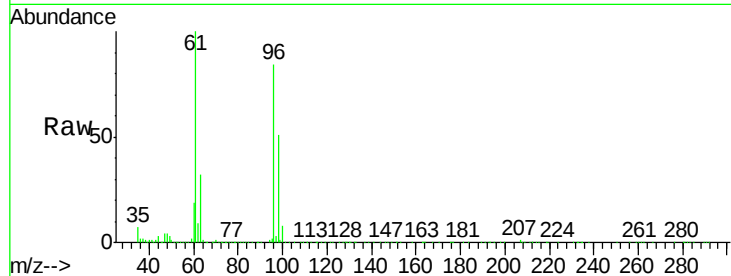


#27

cis-1,2-Dichloroethene
 Concen: 47.284 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

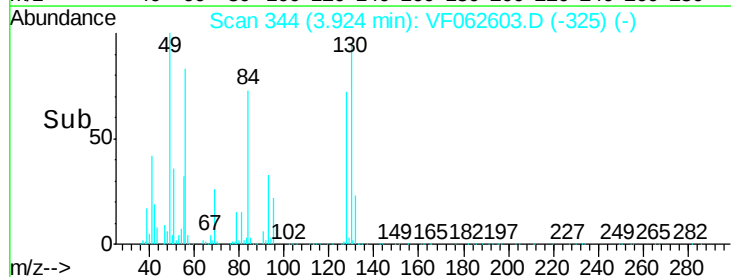
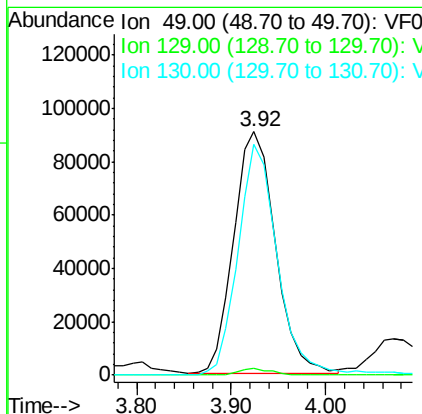
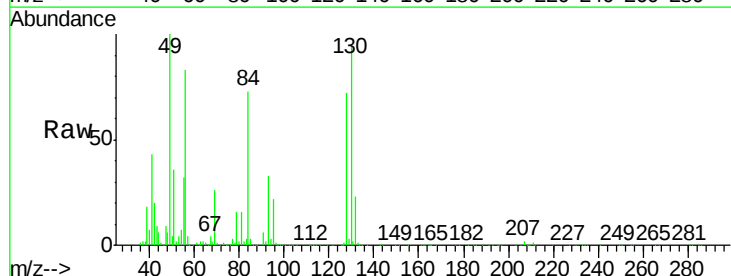
Tot Ion: 96 Resp: 420924
 Ion Ratio Lower Upper
 96 100
 61 119.4 0.0 251.4
 98 60.5 0.0 129.8

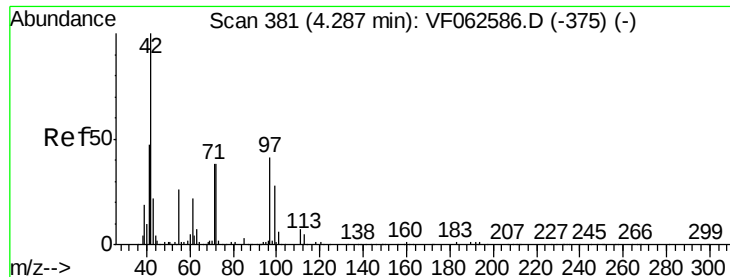


#28

Bromochloromethane
 Concen: 43.881 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion: 49 Resp: 279302
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.0
 130 94.7 59.7 89.5#

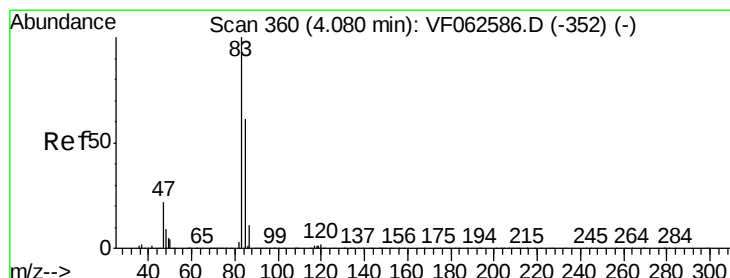
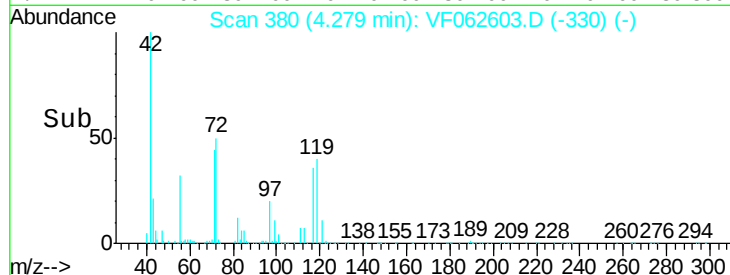
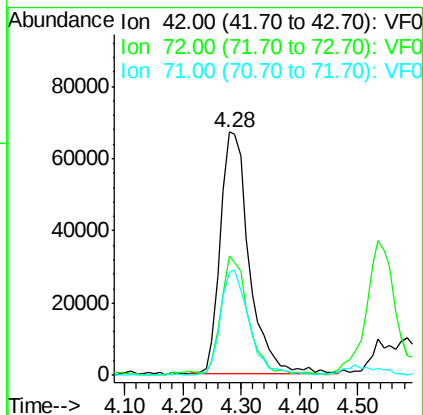
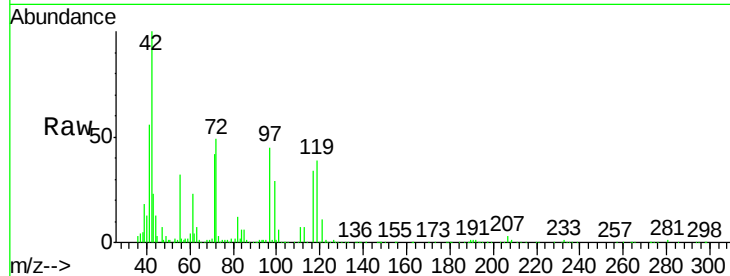




#29
Tetrahydrofuran
Concen: 230.795 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

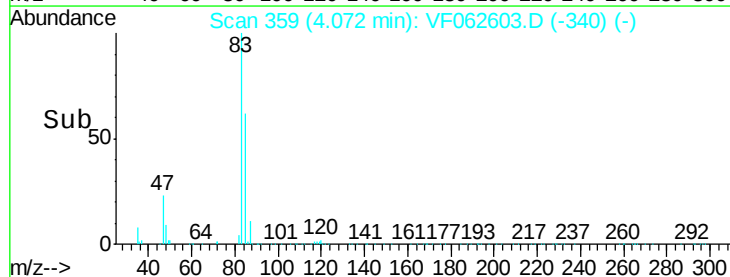
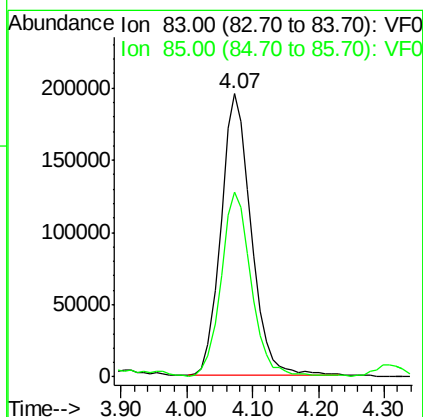
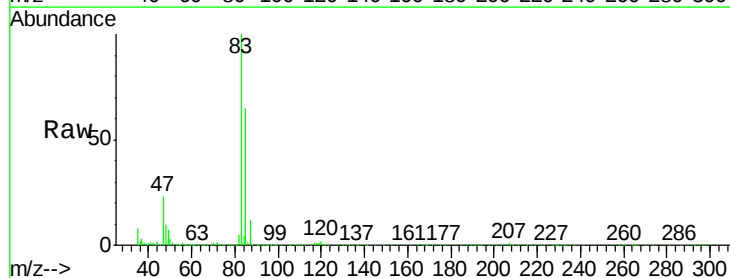
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

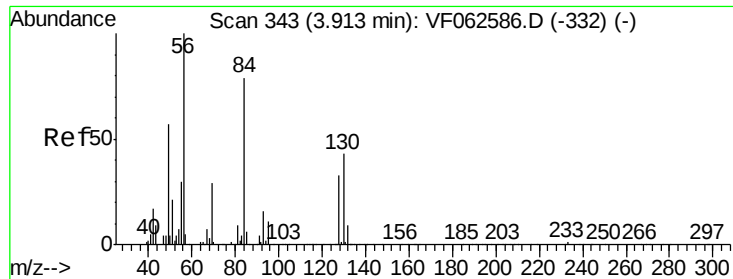
Tot Ion: 42 Resp: 232881
Ion Ratio Lower Upper
42 100
72 45.8 34.0 51.0
71 42.9 32.8 49.2



#30
Chloroform
Concen: 45.973 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 83 Resp: 624643
Ion Ratio Lower Upper
83 100
85 65.1 48.7 73.1

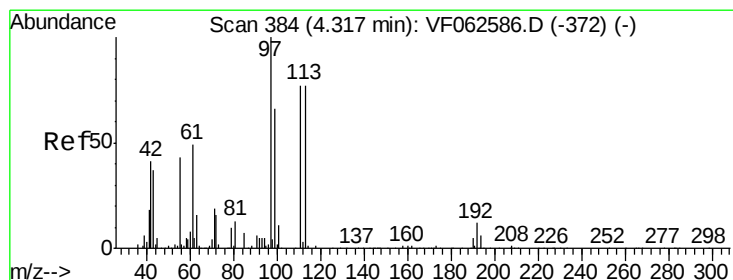
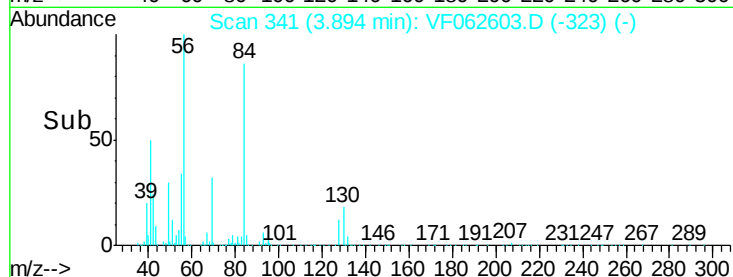
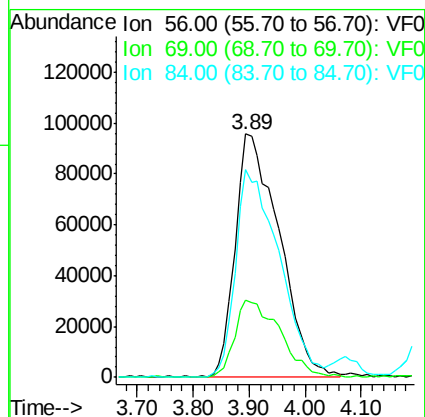
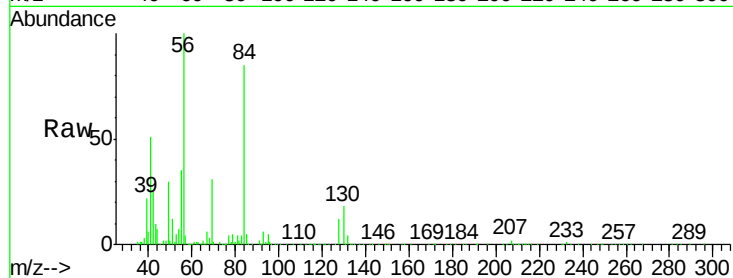




#31
Cyclohexane
Concen: 44.129 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

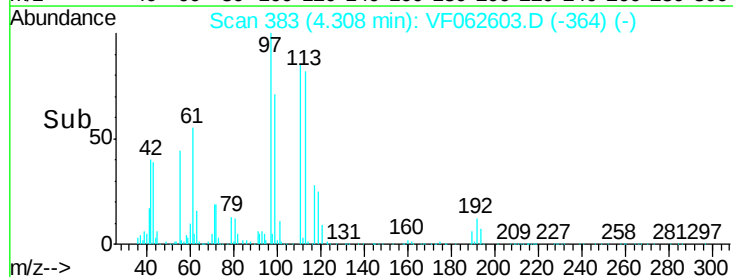
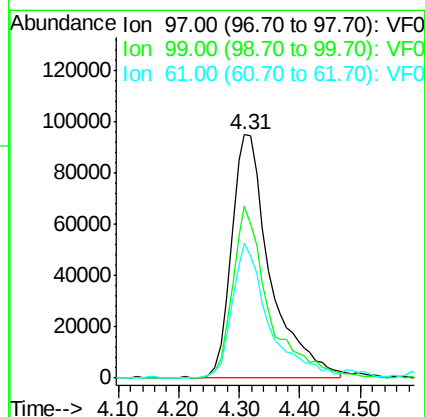
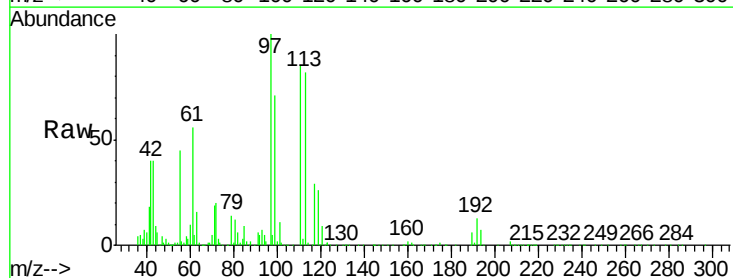
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

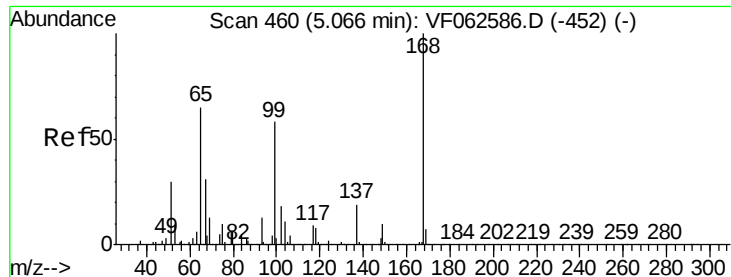
Tot Ion:	56	Resp:	520797
Ion	Ratio	Lower	Upper
56	100		
69	31.5	22.9	34.3
84	85.4	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 45.826 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion:	97	Resp:	419694
Ion	Ratio	Lower	Upper
97	100		
99	70.5	53.4	80.0
61	55.6	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 47.447 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

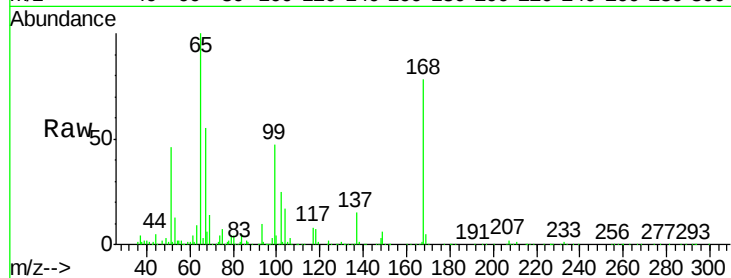
VSTDCCC050

Tot Ion: 65 Resp: 246622

Ion Ratio Lower Upper

65 100

67 54.9 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.05

100000

80000

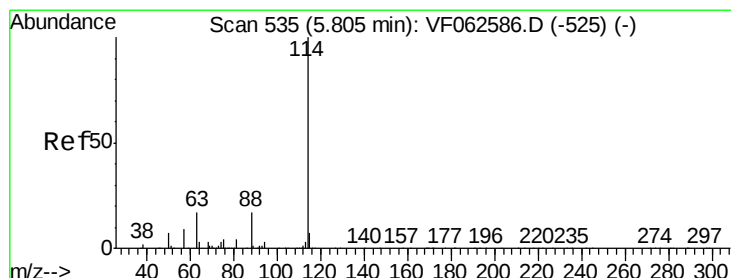
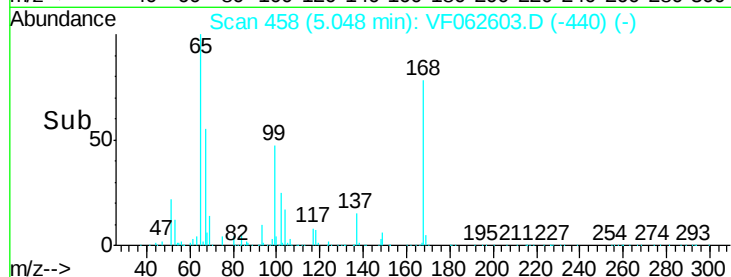
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

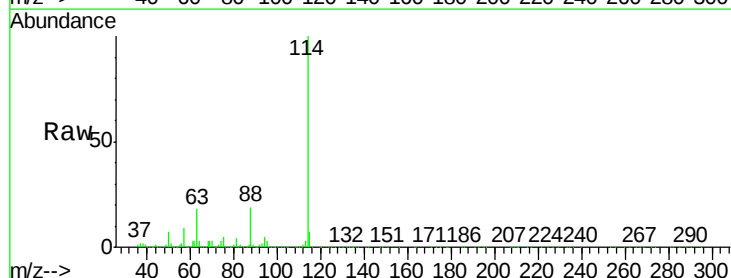
Tgt Ion: 114 Resp: 1114729

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.6

88 18.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.80

500000

400000

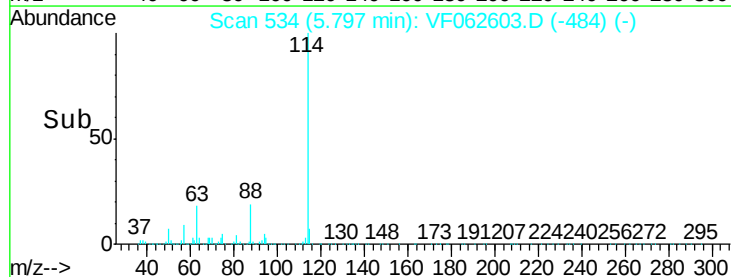
300000

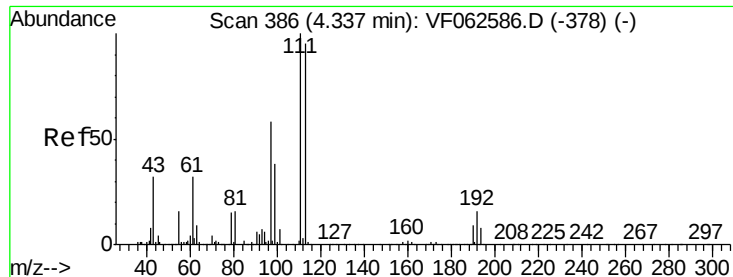
200000

100000

0

Time-->

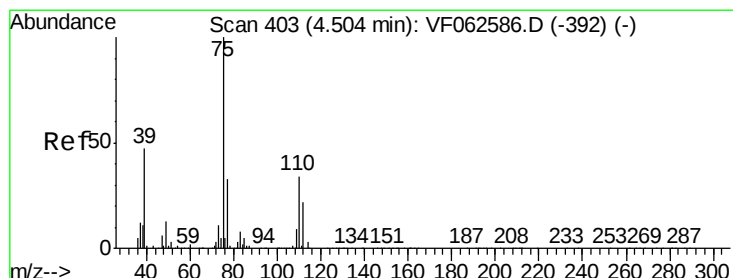
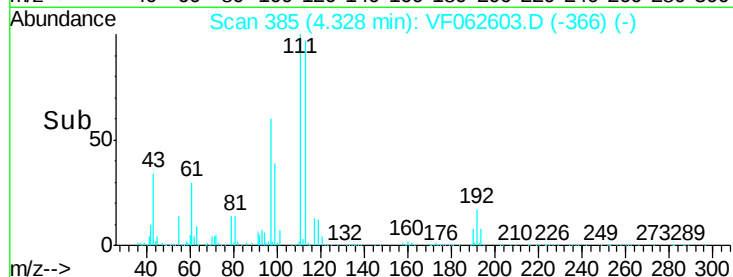
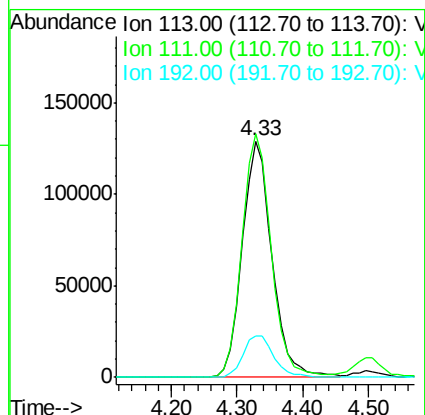
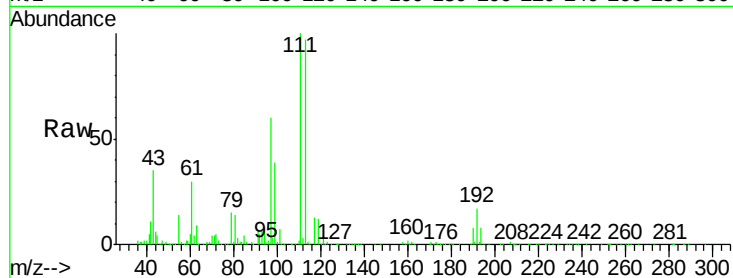




#35
 Dibromofluoromethane
 Concen: 49.269 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

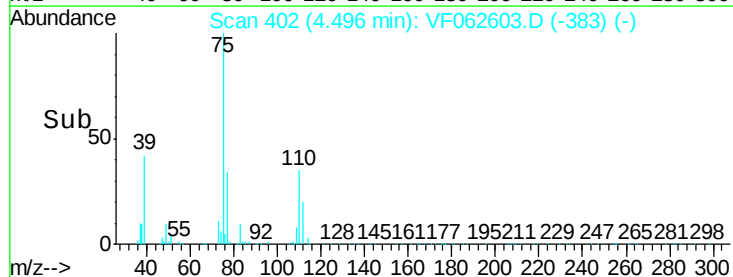
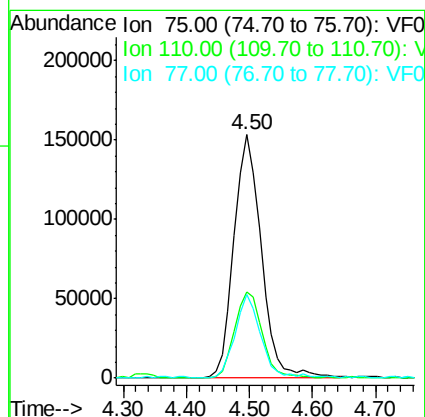
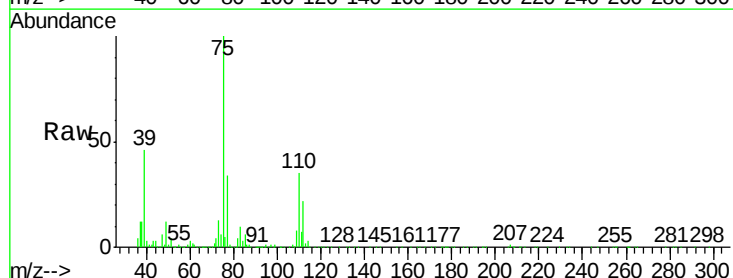
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

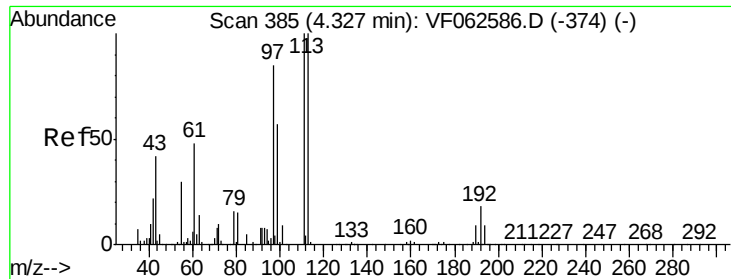
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.9	125.9
192	17.7	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 47.849 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.3	51.7
77	34.4	26.4	39.6





#37

Ethyl Acetate

Concen: 46.404 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

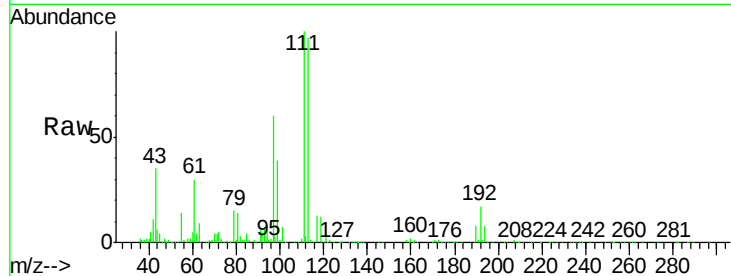
Tot Ion: 43 Resp: 183938

Ion Ratio Lower Upper

43 100

61 87.7 88.6 132.8#

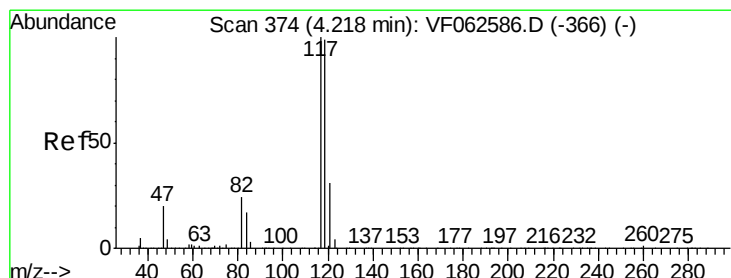
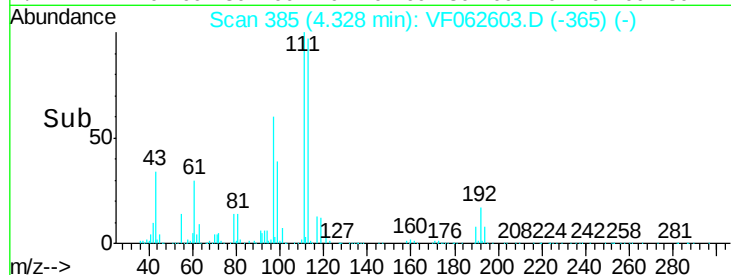
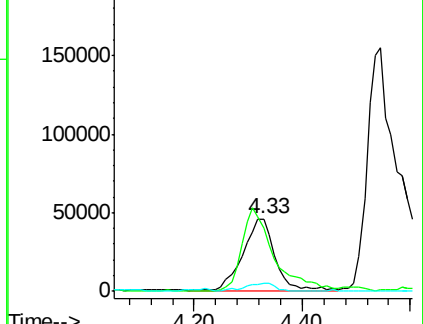
70 10.6 8.3 12.5



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: 47.867 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

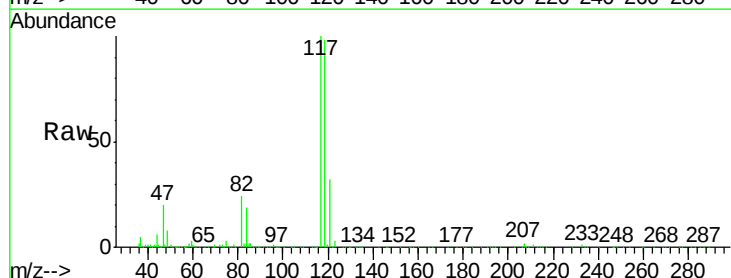
Tgt Ion:117 Resp: 378758

Ion Ratio Lower Upper

117 100

119 97.6 79.0 118.6

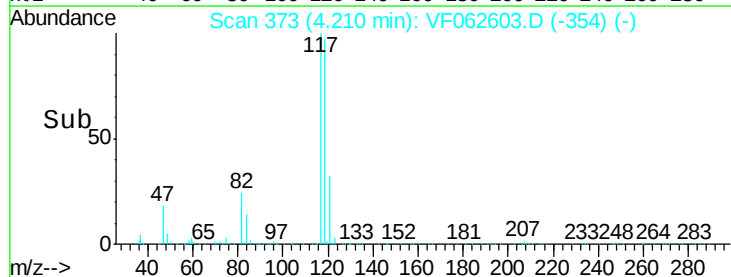
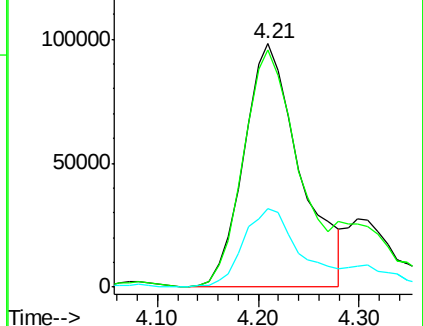
121 32.3 25.0 37.6

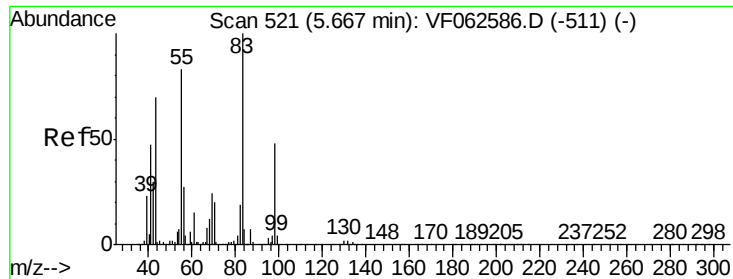


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

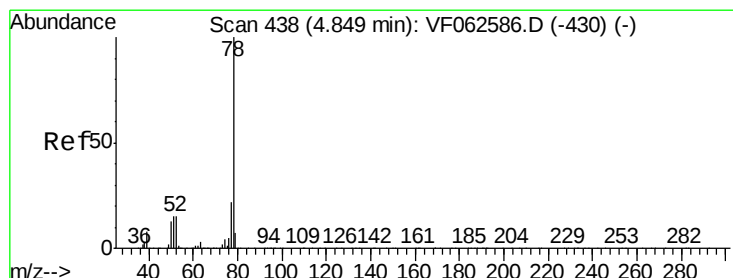
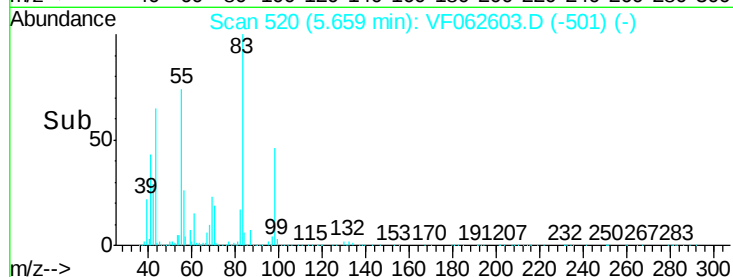
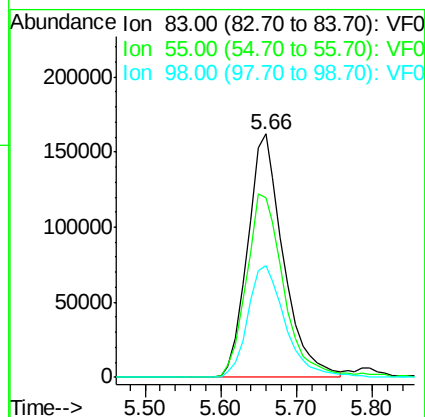
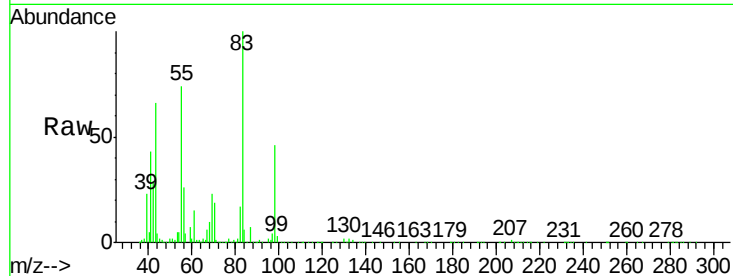




#39
Methvlcvclohexane
Concen: 47.129 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

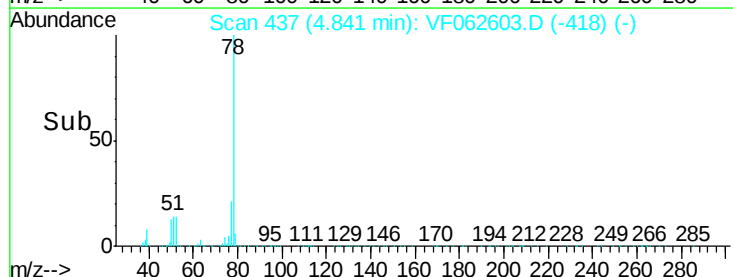
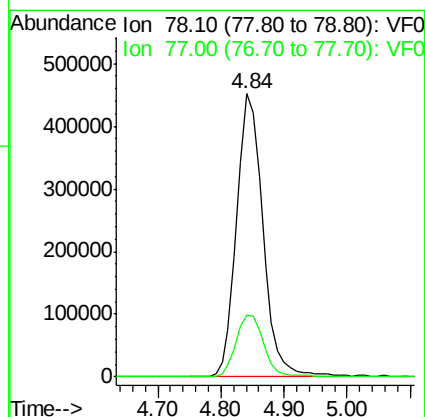
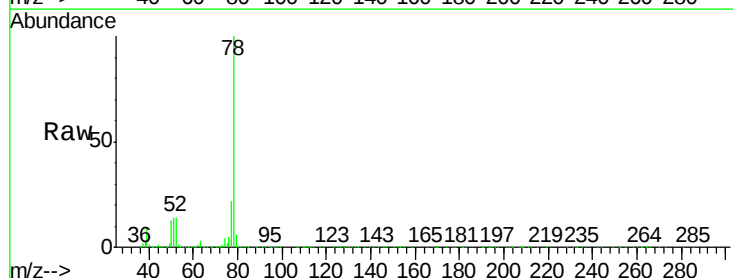
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

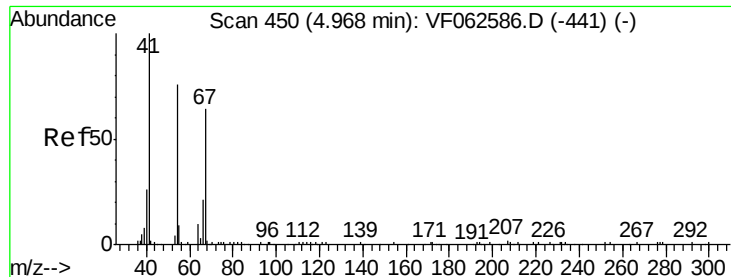
Tot Ion: 83 Resp: 532250
Ion Ratio Lower Upper
83 100
55 74.0 66.6 100.0
98 45.9 38.3 57.5



#40
Benzene
Concen: 47.775 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 78 Resp: 1311006
Ion Ratio Lower Upper
78 100
77 21.7 17.7 26.5





#41

Methacrylonitrile

Concen: 49.557 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.02 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 111238

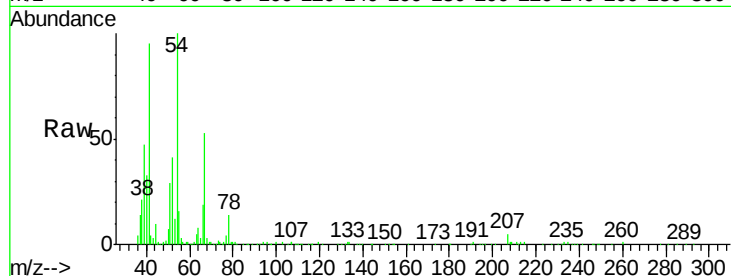
Ion Ratio Lower Upper

41 100

39 49.9 40.8 61.2

67 56.3 50.2 75.2

52 42.8 36.8 55.2

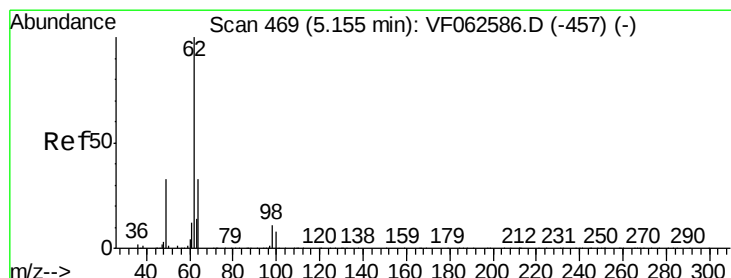
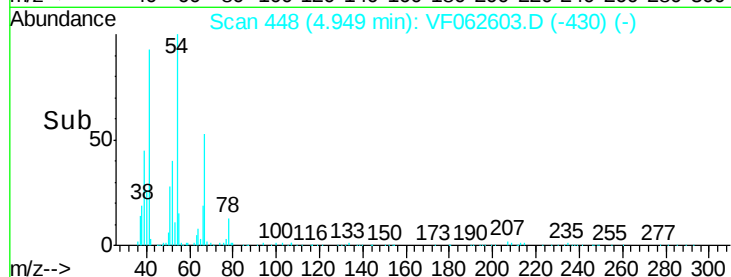
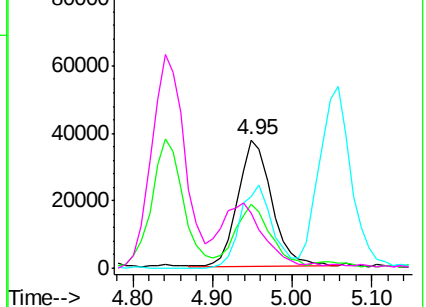


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 46.549 ug/l

RT: 5.15 min Scan# 468

Delta R.T. -0.01 min

Lab File: VF062603.D

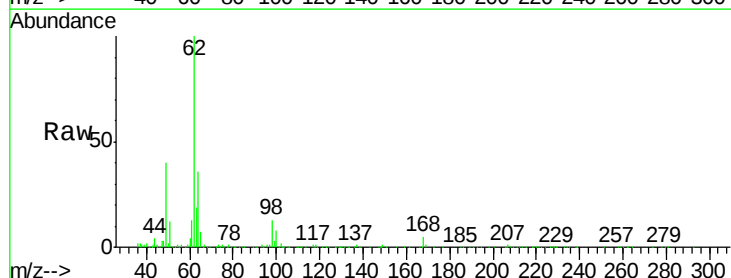
Acq: 15 May 2019 11:50

Tgt Ion: 62 Resp: 271062

Ion Ratio Lower Upper

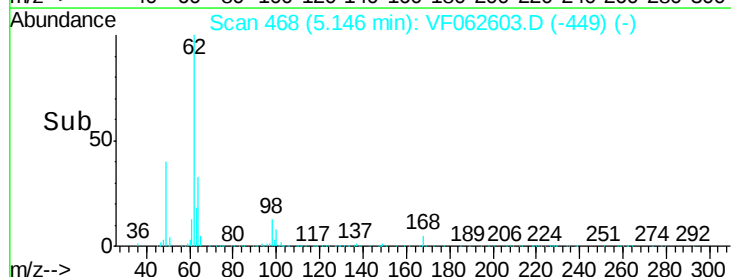
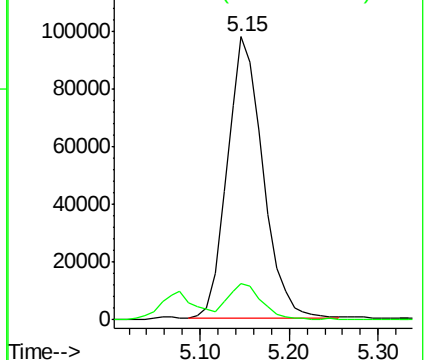
62 100

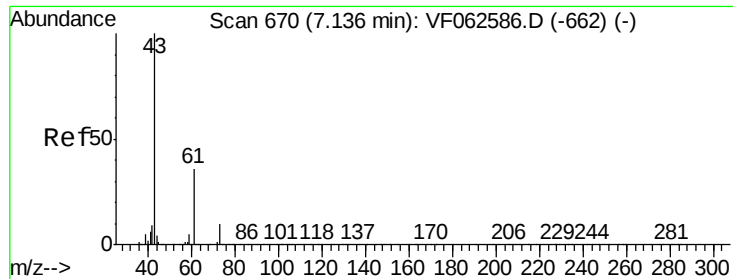
98 12.8 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 52.990 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

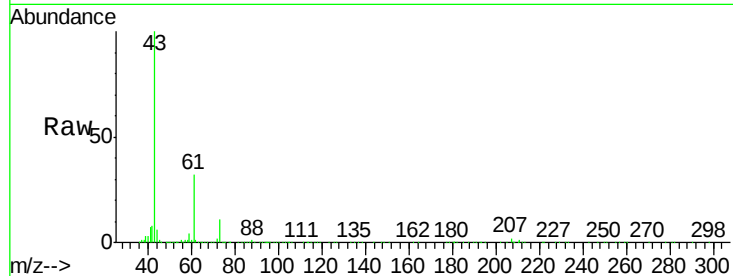
Tot Ion: 43 Resp: 248549

Ion Ratio Lower Upper

43 100

61 32.2 28.5 42.7

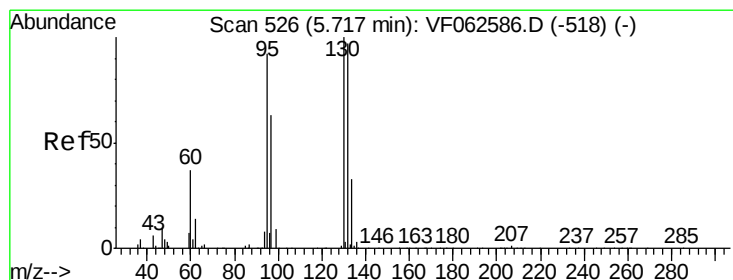
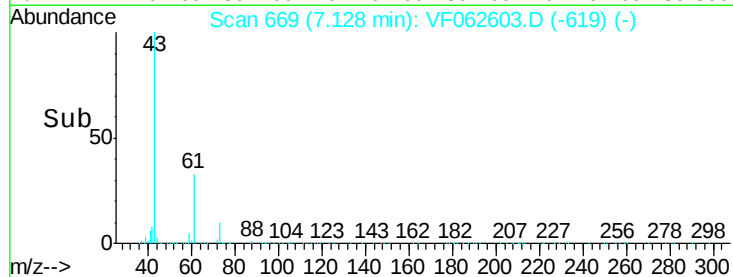
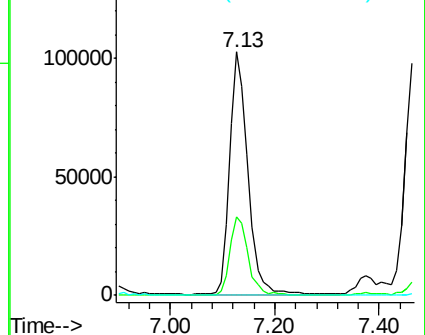
87 0.4 0.4 0.6#



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: 47.879 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.01 min

Lab File: VF062603.D

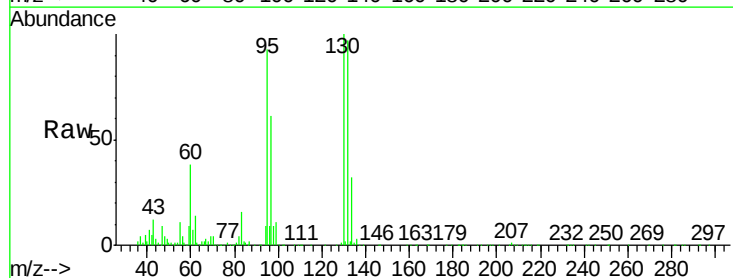
Acq: 15 May 2019 11:50

Tgt Ion: 130 Resp: 354823

Ion Ratio Lower Upper

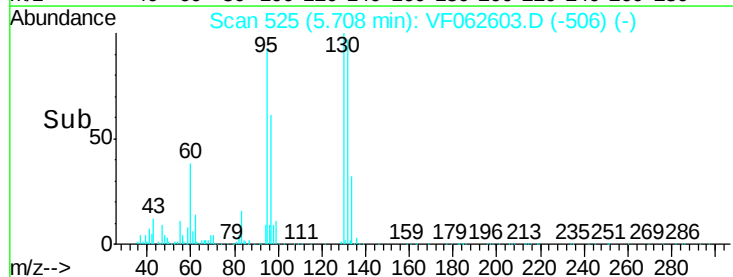
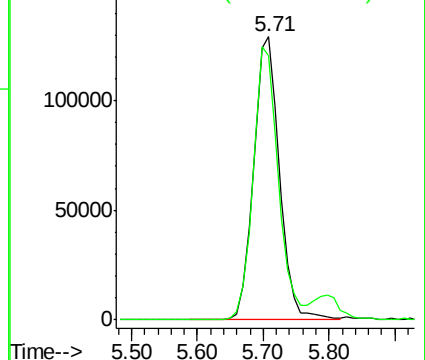
130 100

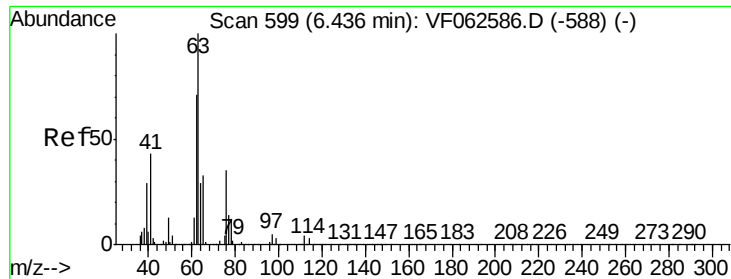
95 93.2 0.0 185.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

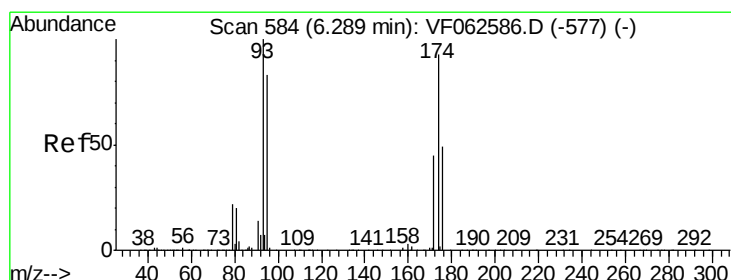
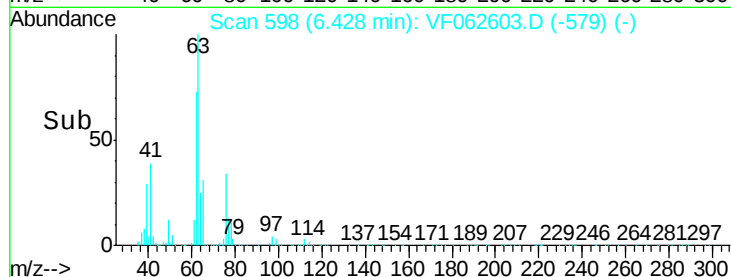
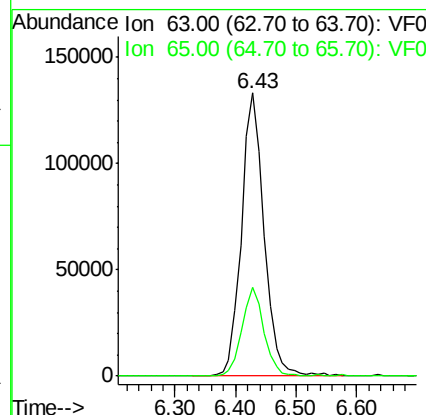
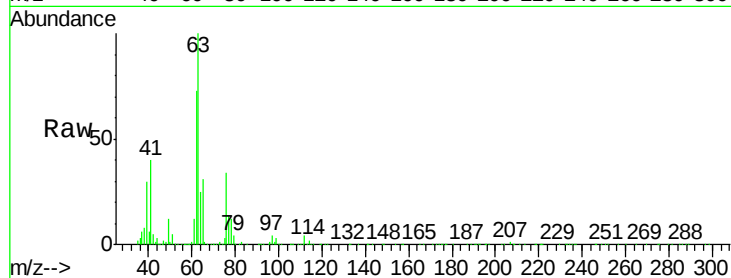




#45
 1,2-Dichloropropane
 Concen: 50.274 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

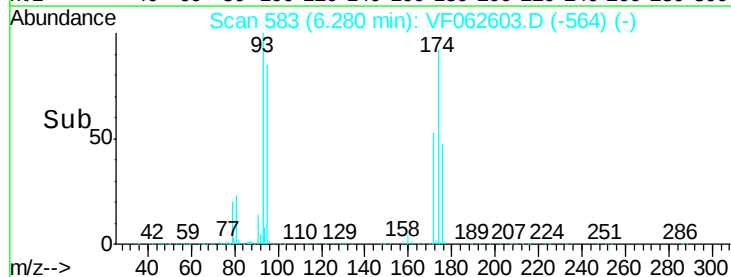
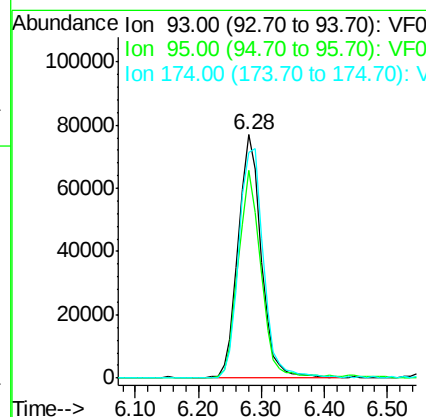
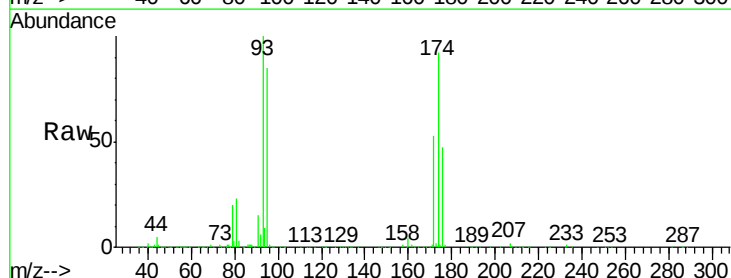
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

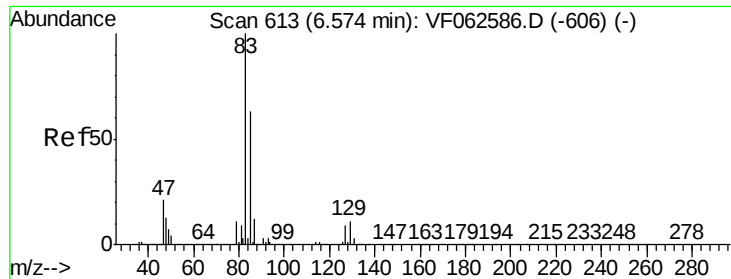
Tot Ion: 63 Resp: 347255
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.2 39.4



#46
 Dibromomethane
 Concen: 50.112 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion: 93 Resp: 193519
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.9 100.3
 174 92.5 74.6 112.0





#47

Bromodichloromethane

Concen: 51.480 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

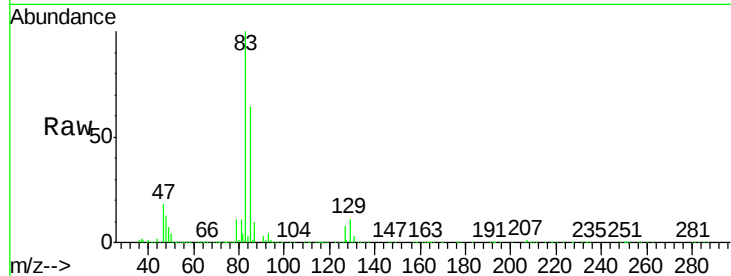
Tot Ion: 83 Resp: 427371

Ion Ratio Lower Upper

83 100

85 64.3 50.3 75.5

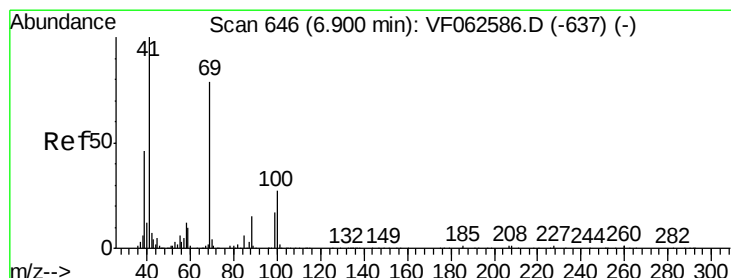
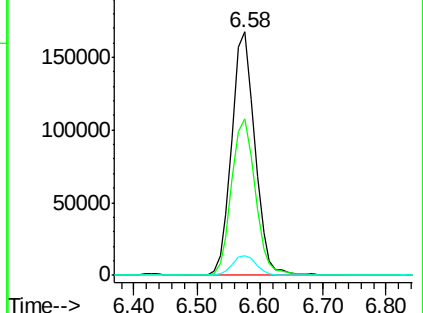
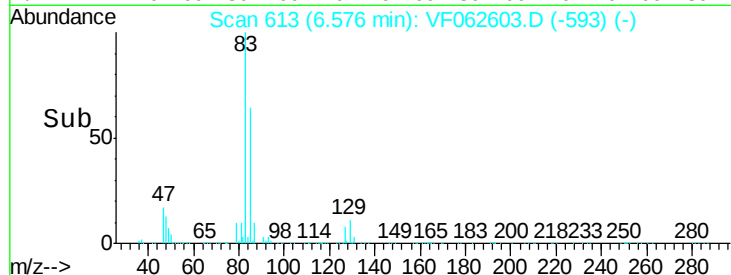
127 9.2 7.2 10.8



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: 49.337 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

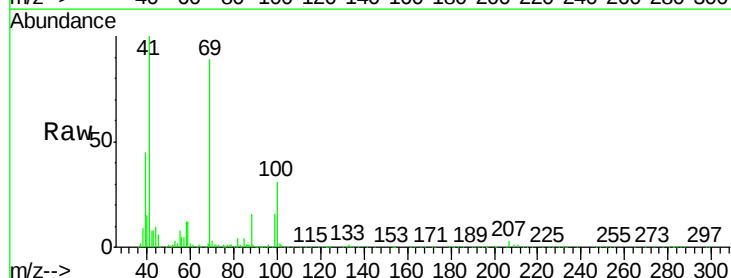
Tgt Ion: 41 Resp: 126669

Ion Ratio Lower Upper

41 100

69 88.8 63.0 94.6

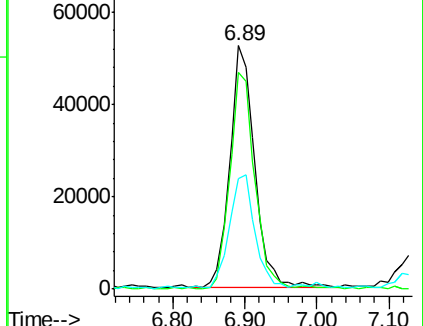
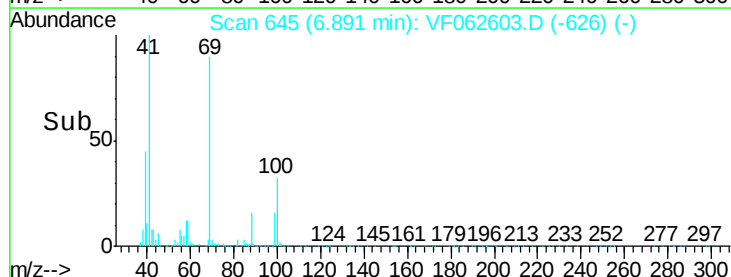
39 45.3 37.6 56.4

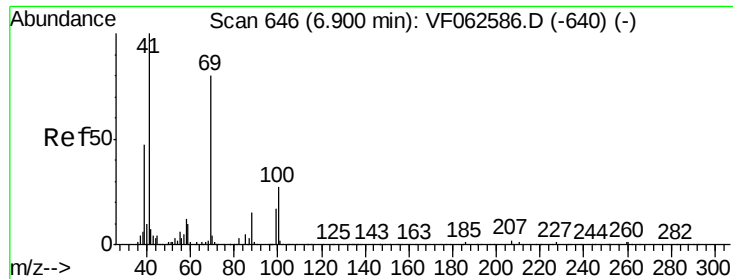


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

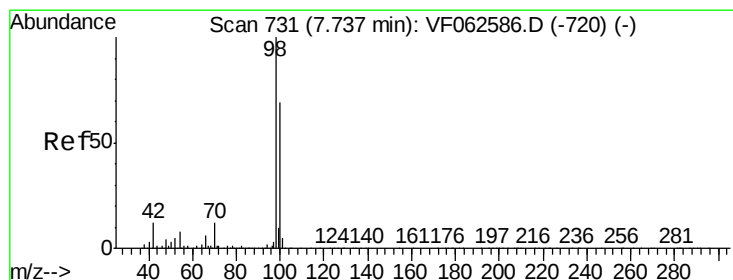
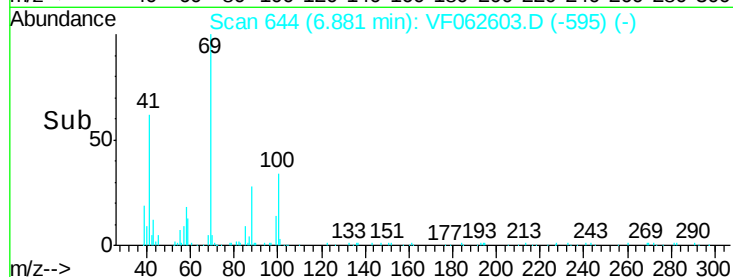
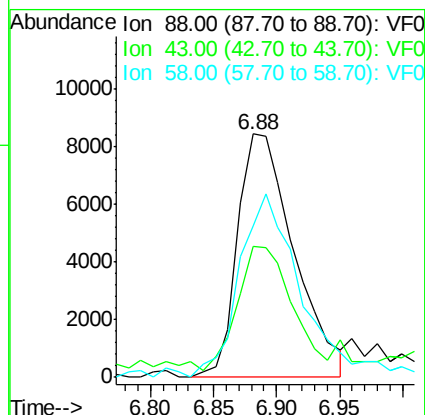
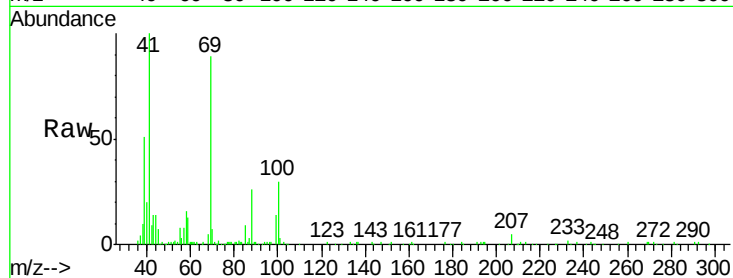




#49
 1,4-Dioxane
 Concen: 774.331 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

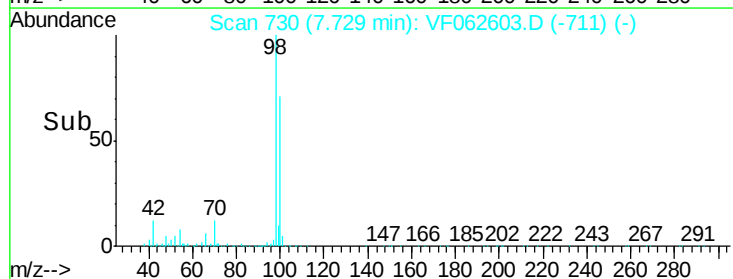
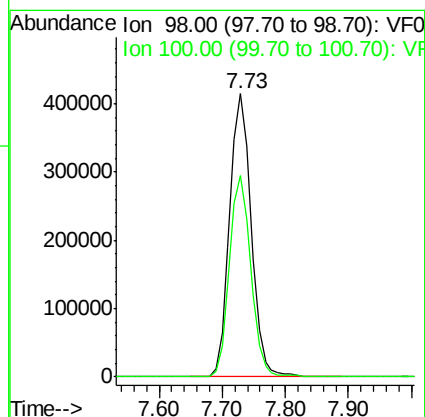
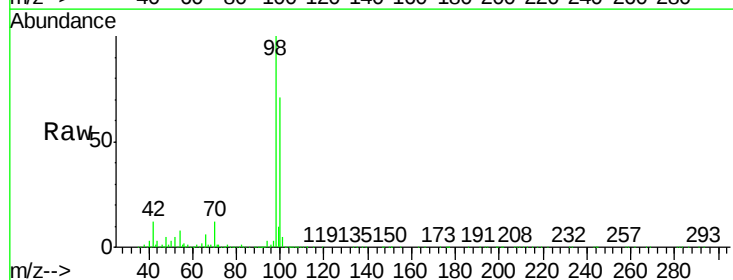
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

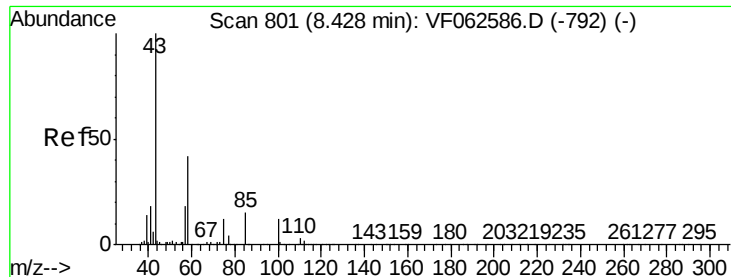
Tot Ion: 88 Resp: 26198
 Ion Ratio Lower Upper
 88 100
 43 54.0 28.8 43.2#
 58 62.2 60.6 90.8



#50
 Toluene-d8
 Concen: 50.418 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion: 98 Resp: 985693
 Ion Ratio Lower Upper
 98 100
 100 71.1 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 257.409 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

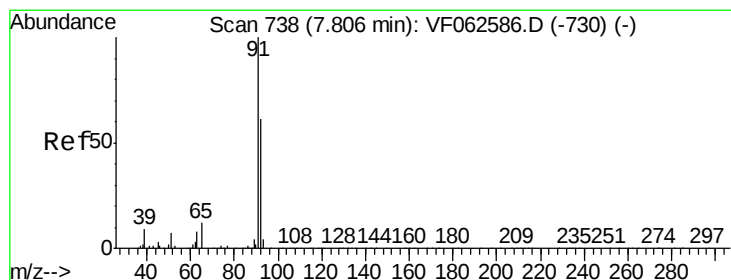
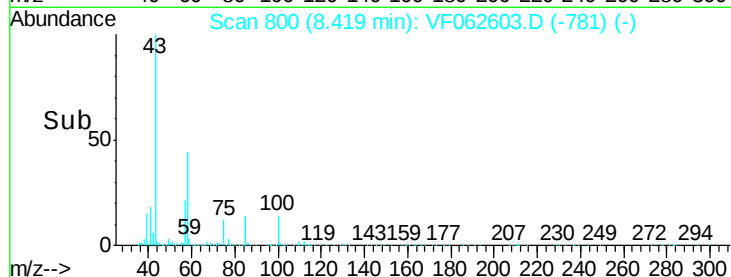
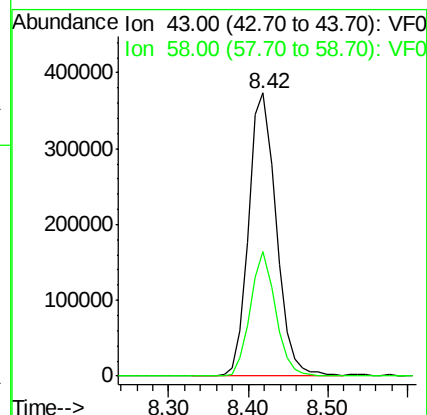
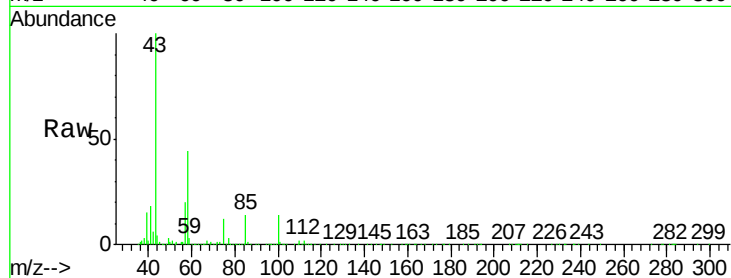
VSTDCCC050

Tot Ion: 43 Resp: 884684

Ion Ratio Lower Upper

43 100

58 44.1 33.6 50.4



#52

Toluene

Concen: 48.861 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062603.D

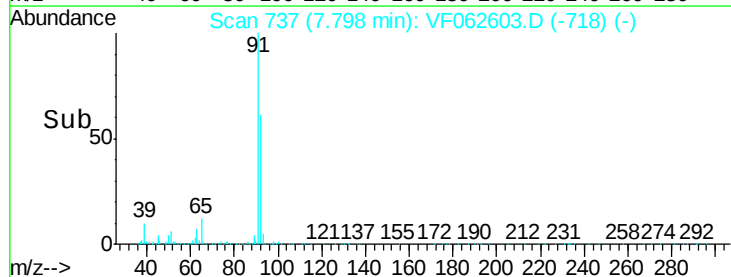
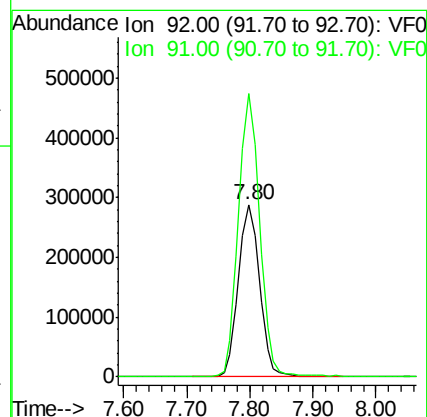
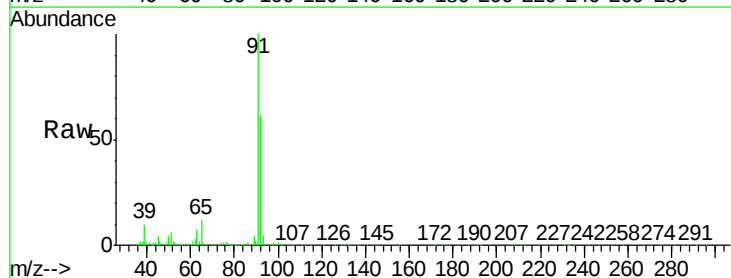
Acq: 15 May 2019 11:50

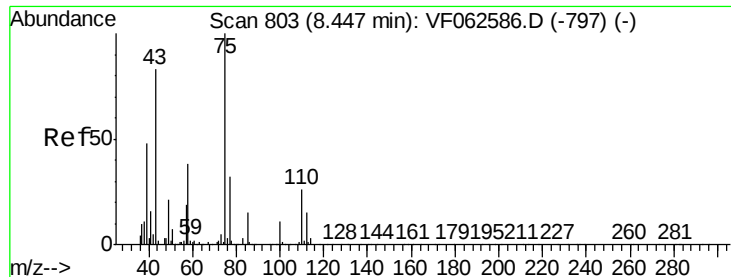
Tgt Ion: 92 Resp: 673066

Ion Ratio Lower Upper

92 100

91 164.3 131.0 196.4





#53

t-1,3-Dichloropropene

Concen: 49.095 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

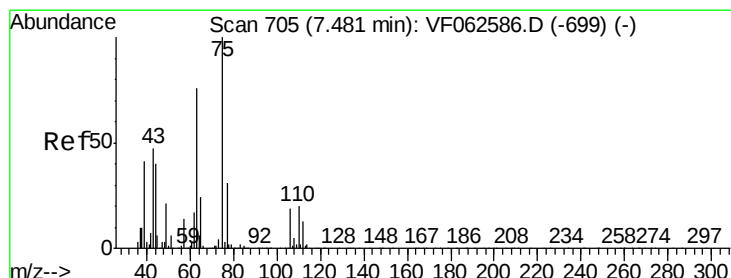
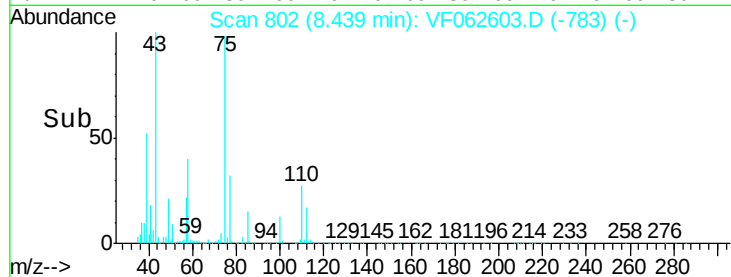
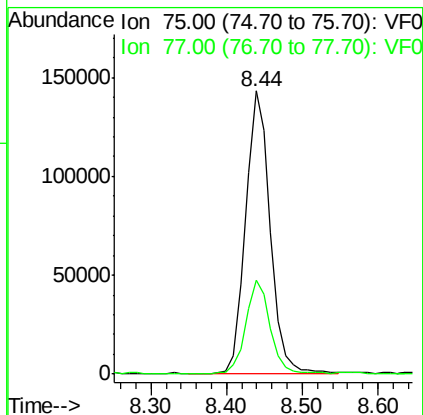
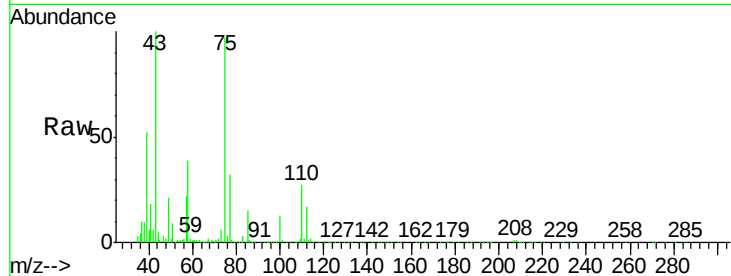
VSTDCCC050

Tot Ion: 75 Resp: 321992

Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 49.918 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

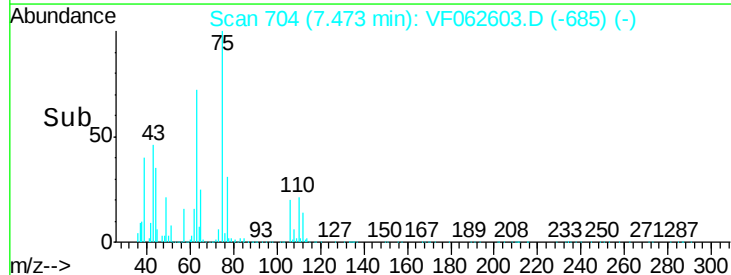
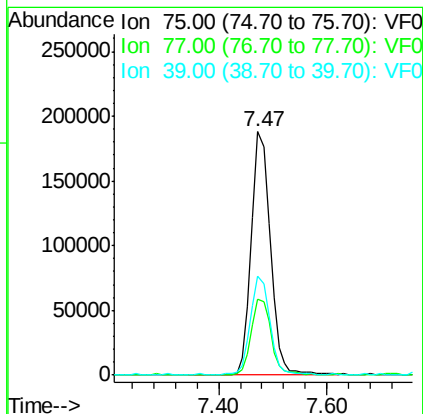
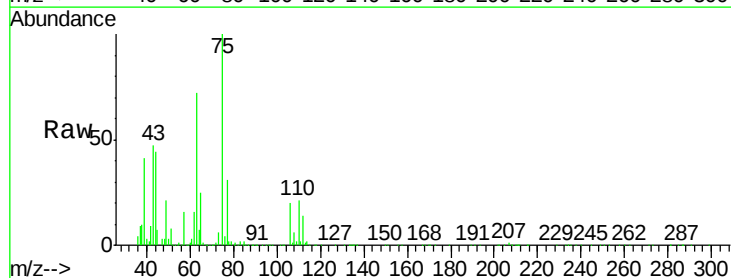
Tgt Ion: 75 Resp: 462641

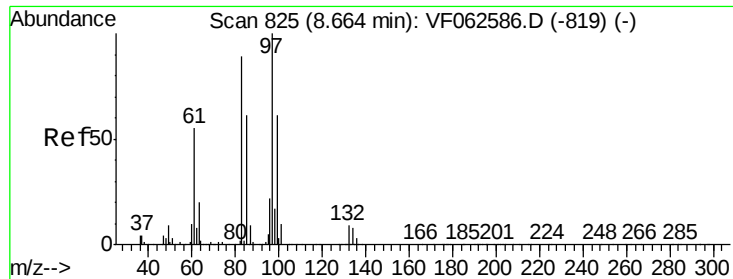
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 40.8 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 51.992 ug/l

RT: 8.66 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 214438

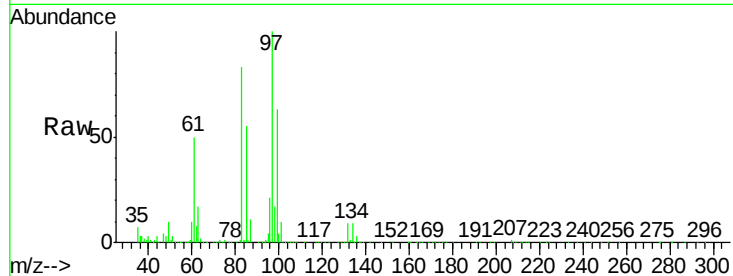
Ion Ratio Lower Upper

97 100

83 83.3 71.3 106.9

85 54.5 48.9 73.3

99 63.0 48.4 72.6

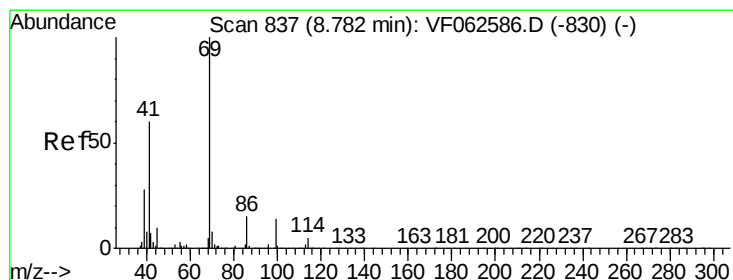
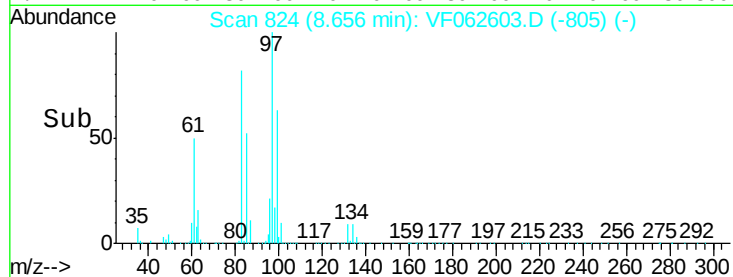
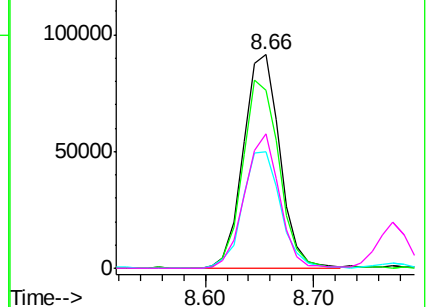


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.284 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

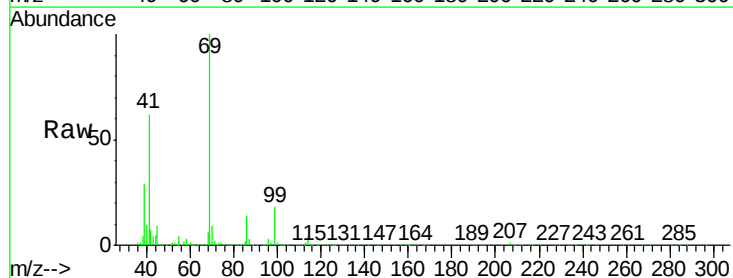
Tgt Ion: 69 Resp: 231825

Ion Ratio Lower Upper

69 100

41 61.8 48.1 72.1

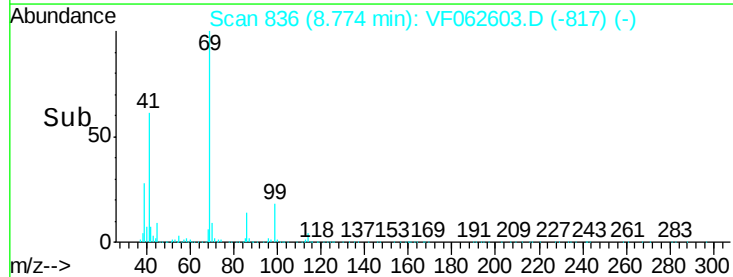
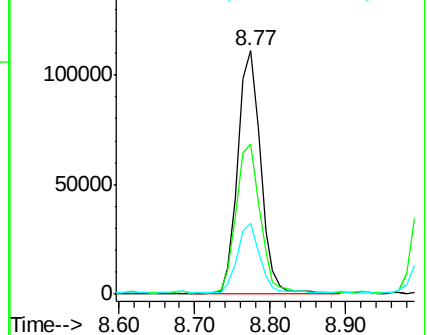
39 29.1 22.5 33.7

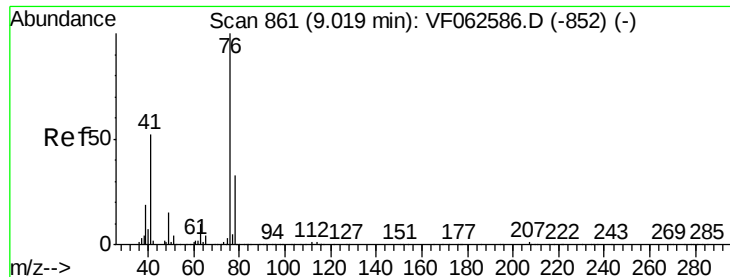


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

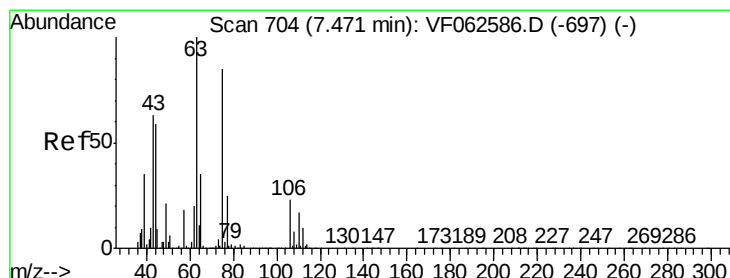
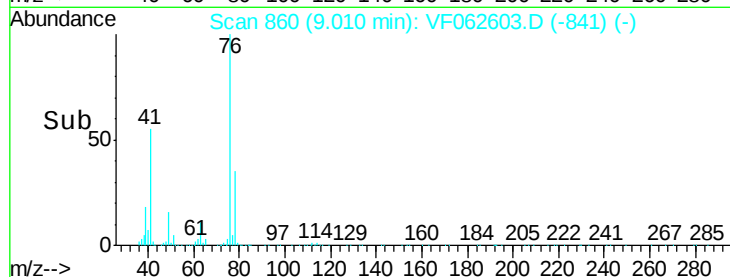
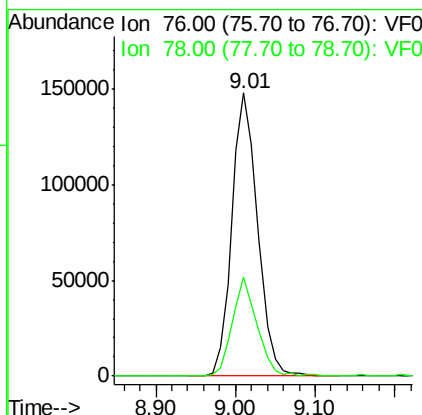
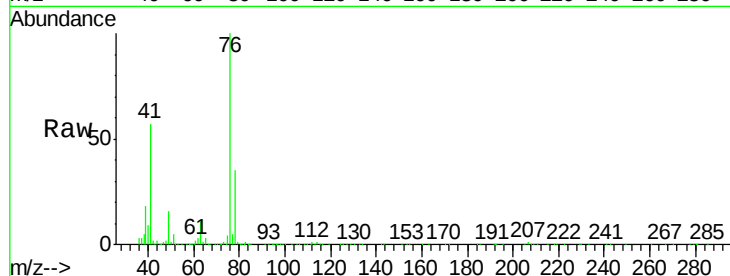




#57
 1,3-Dichloropropane
 Concen: 49.256 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

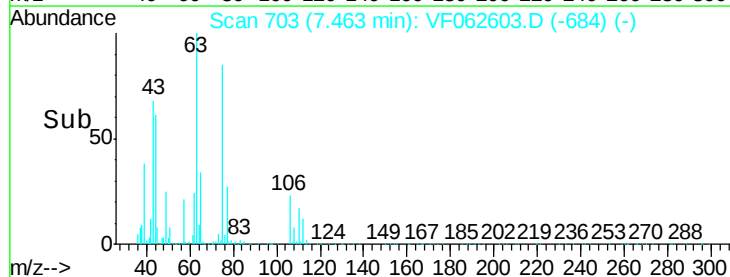
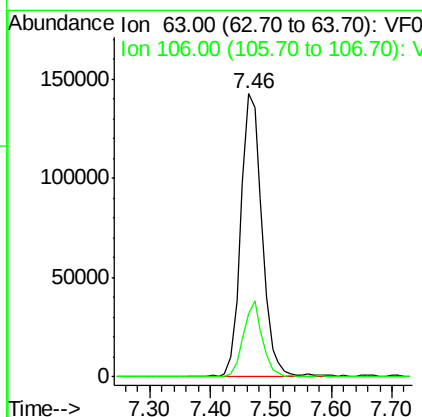
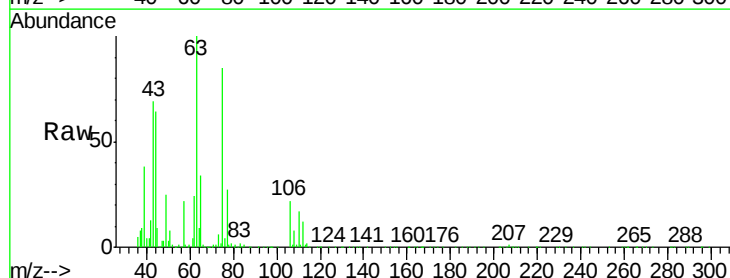
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

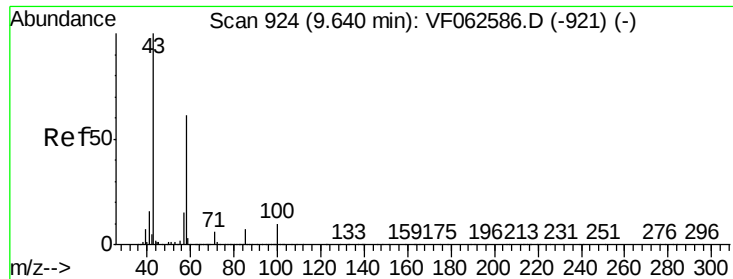
Tot Ion: 76 Resp: 335299
 Ion Ratio Lower Upper
 76 100
 78 35.0 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.400 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion: 63 Resp: 347091
 Ion Ratio Lower Upper
 63 100
 106 22.5 18.0 27.0

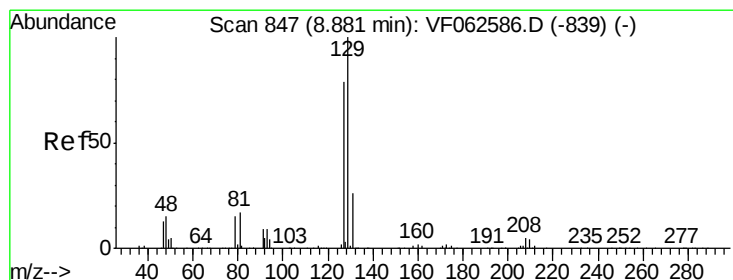
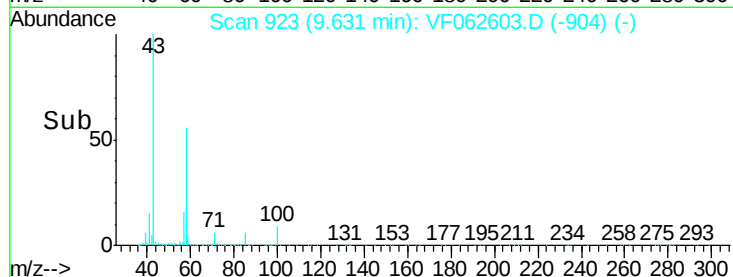
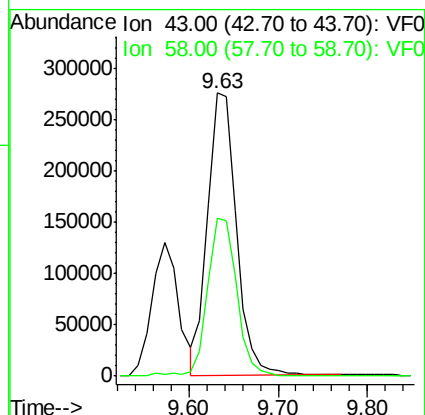
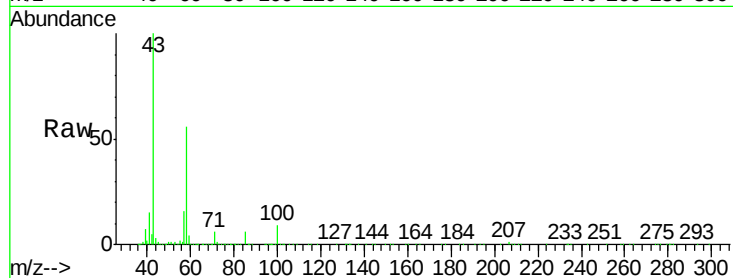




#59
2-Hexanone
Concen: 271.410 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

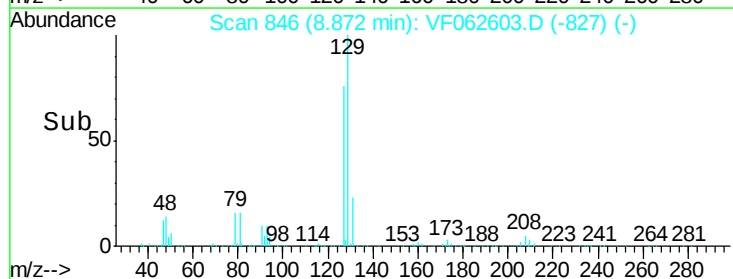
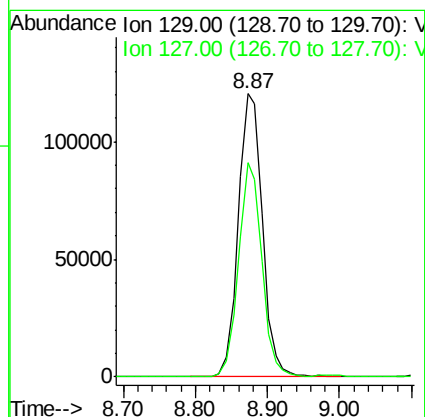
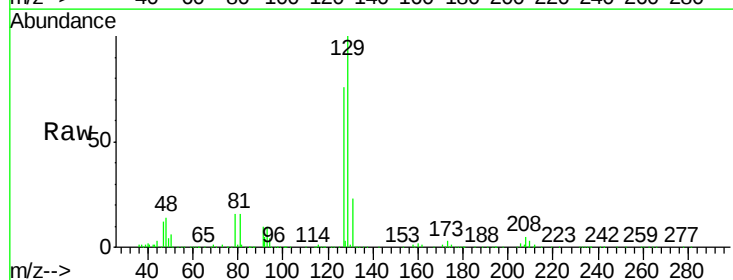
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

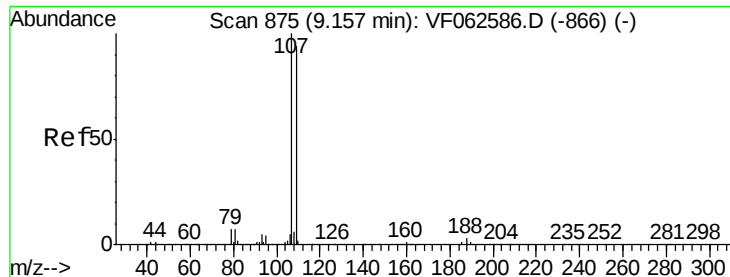
Tot Ion: 43 Resp: 616065
Ion Ratio Lower Upper
43 100
58 55.8 28.7 86.3



#60
Dibromochloromethane
Concen: 53.898 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 129 Resp: 282438
Ion Ratio Lower Upper
129 100
127 75.8 39.3 117.9





#61

1,2-Dibromoethane

Concen: 50.805 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

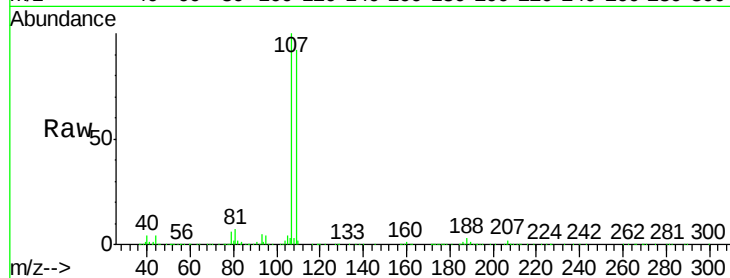
VSTDCCC050

Tot Ion:107 Resp: 210162

Ion Ratio Lower Upper

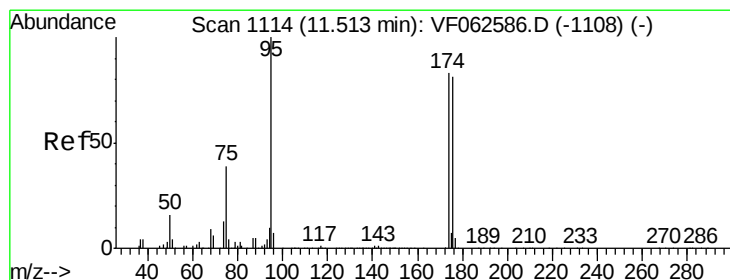
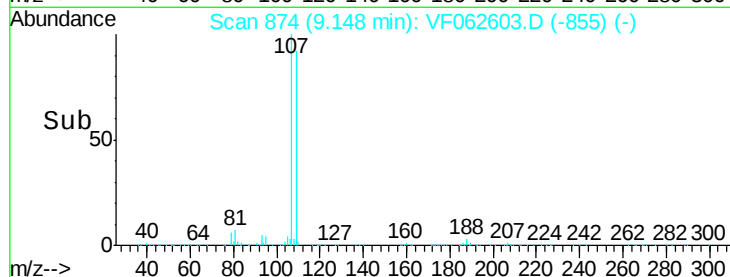
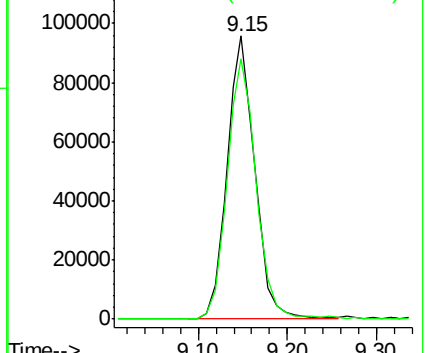
107 100

109 92.0 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.875 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

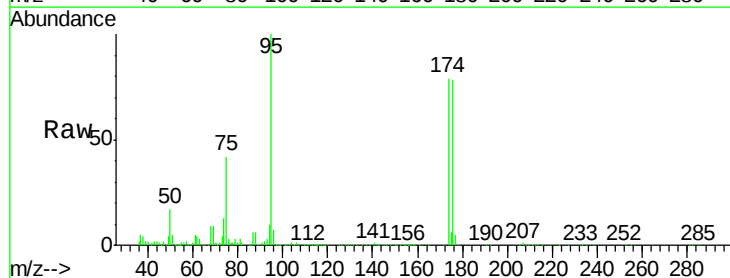
Tgt Ion: 95 Resp: 340532

Ion Ratio Lower Upper

95 100

174 78.7 0.0 166.6

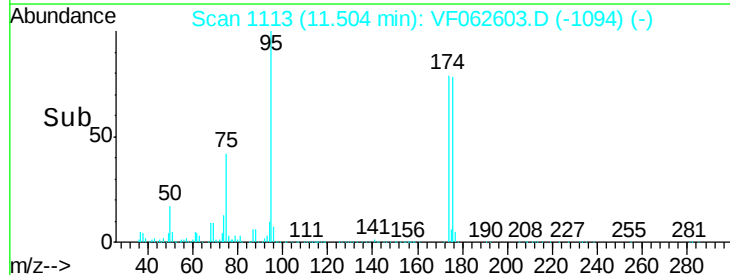
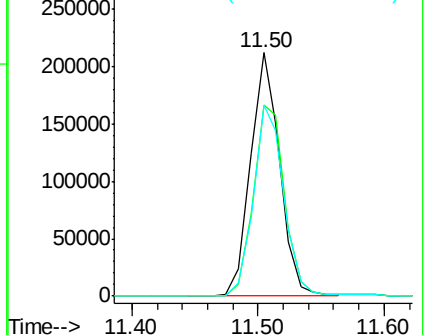
176 78.3 0.0 161.8

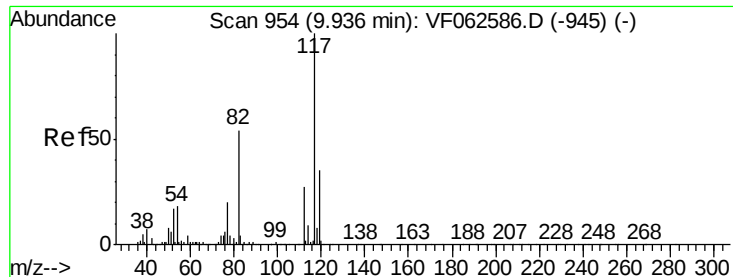


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

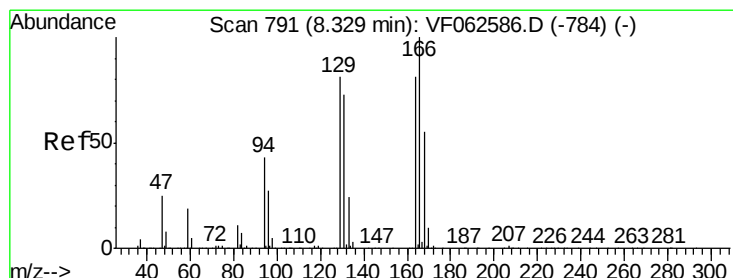
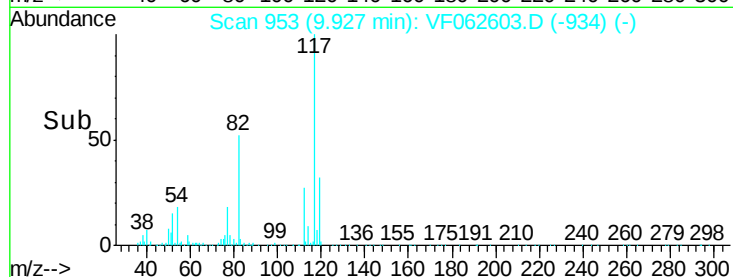
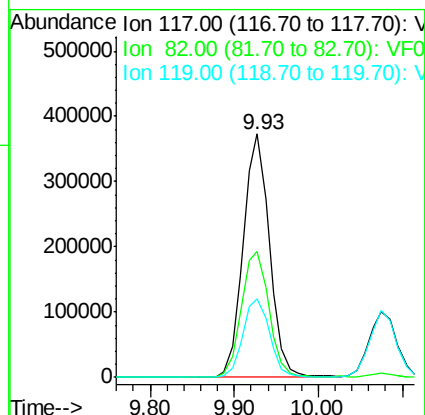
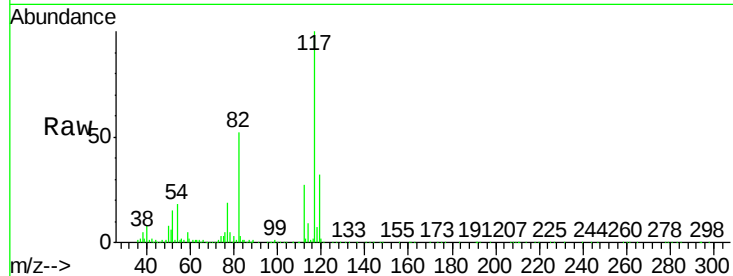




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

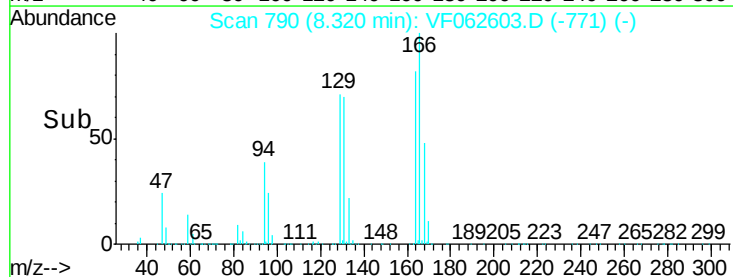
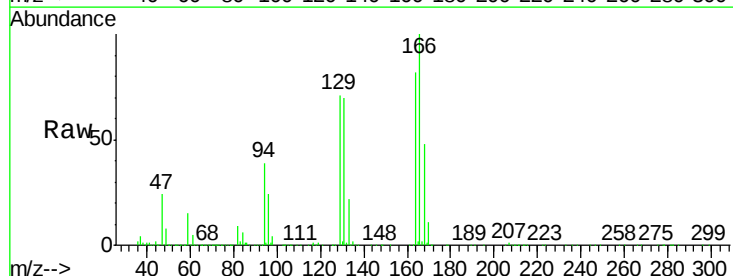
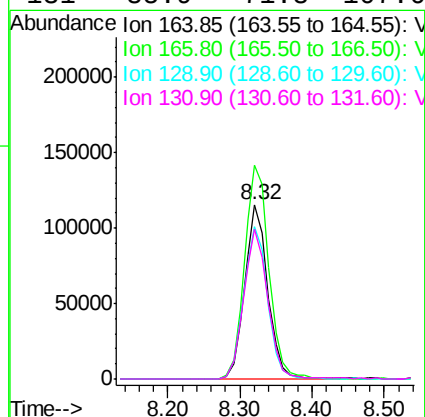
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

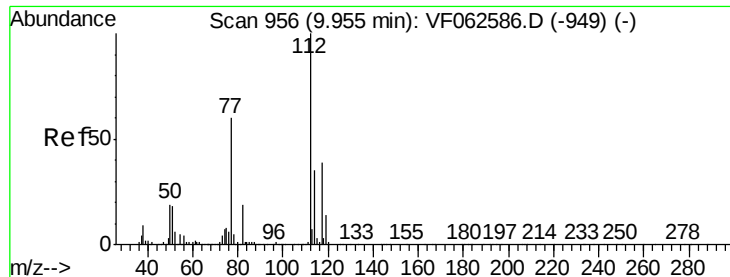
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.4	65.0
119	32.0	27.7	41.5



#64
Tetrachloroethene
Concen: 47.823 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	98.6	148.0
129	87.4	80.2	120.4
131	85.9	71.8	107.6





#65

Chlorobenzene

Concen: 47.818 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

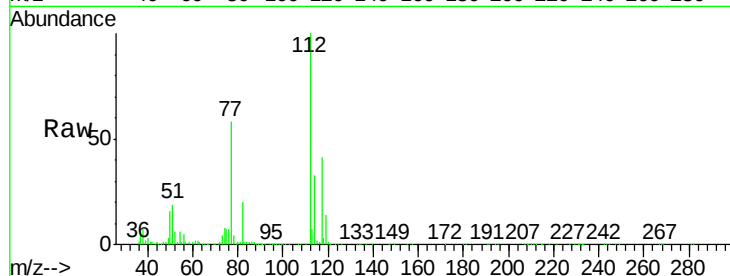
VSTDCCC050

Tot Ion:112 Resp: 677751

Ion Ratio Lower Upper

112 100

114 33.1 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.95

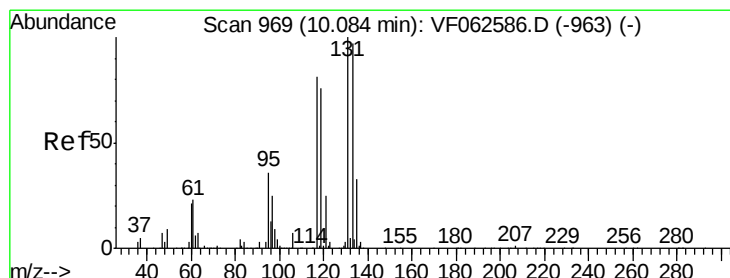
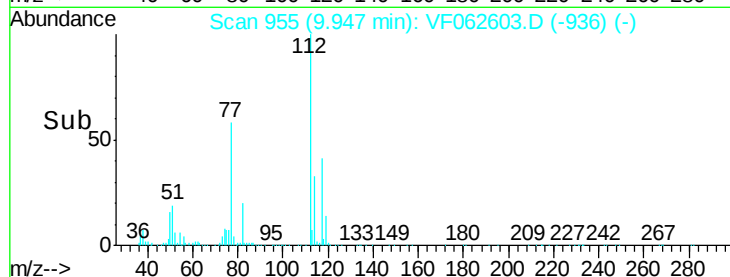
300000

200000

100000

0

Time--> 9.80 9.90 10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 52.483 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

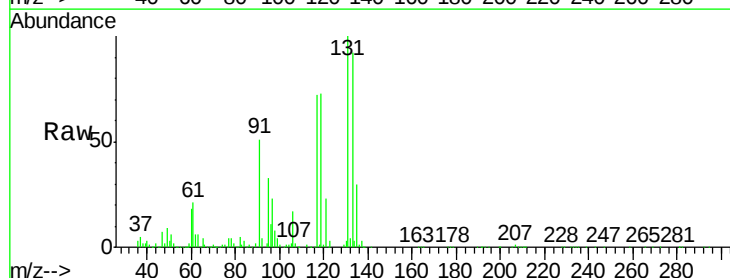
Tgt Ion:131 Resp: 305540

Ion Ratio Lower Upper

131 100

133 92.2 48.4 145.3

119 73.2 38.5 115.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.07

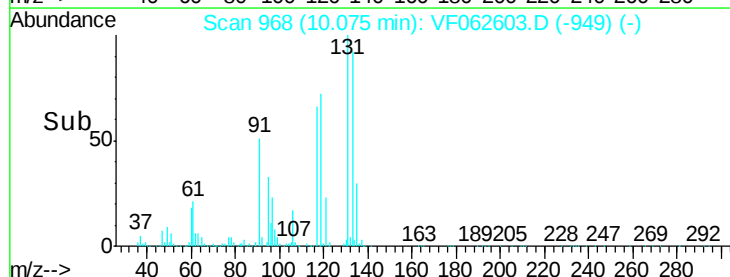
150000

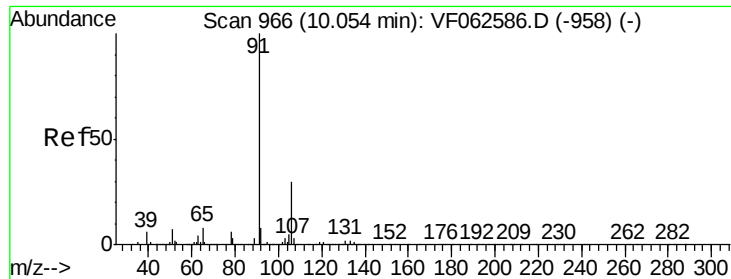
100000

50000

0

Time--> 10.00 10.10 10.20

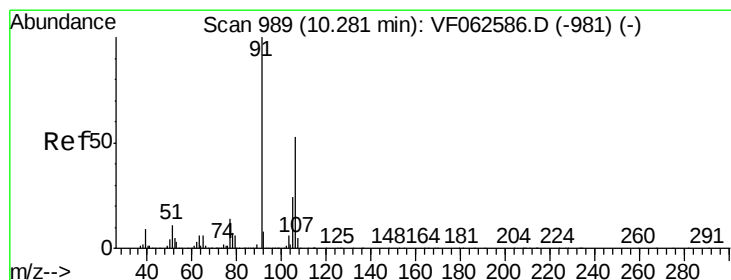
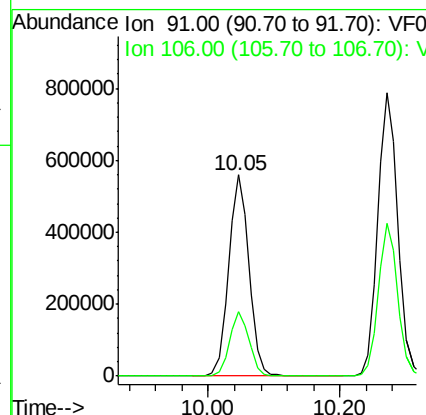
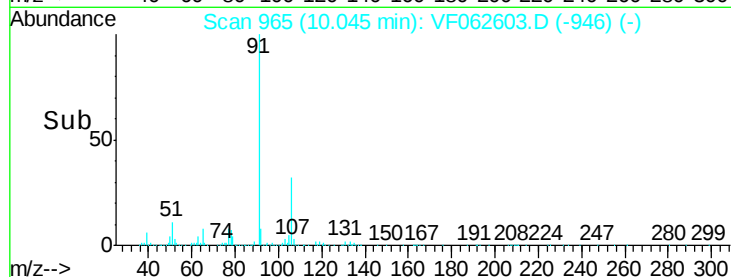
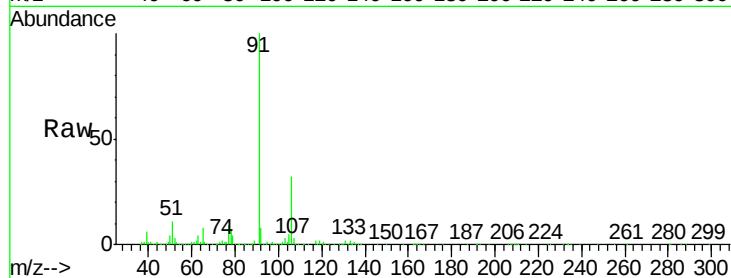




#67
Ethyl Benzene
Concen: 47.967 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

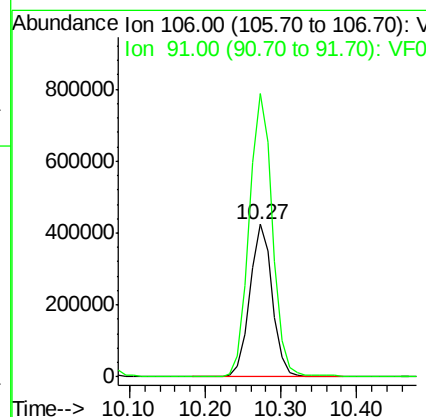
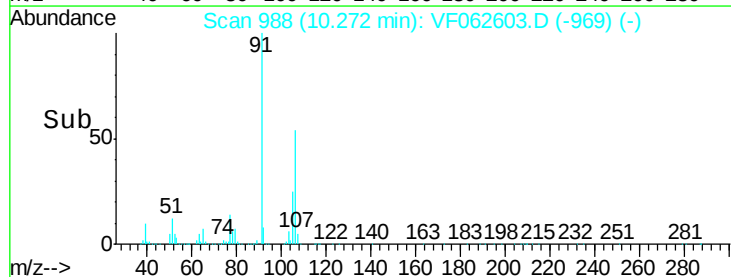
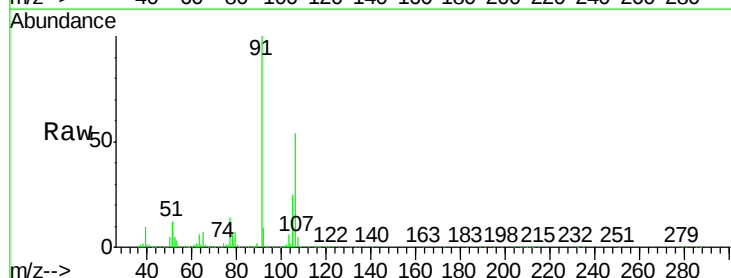
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

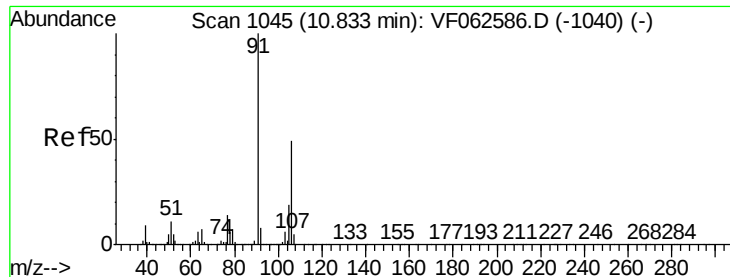
Tot Ion: 91 Resp: 1207914
Ion Ratio Lower Upper
91 100
106 32.4 24.2 36.4



#68
m/p-Xylenes
Concen: 98.265 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion:106 Resp: 877068
Ion Ratio Lower Upper
106 100
91 185.5 150.5 225.7

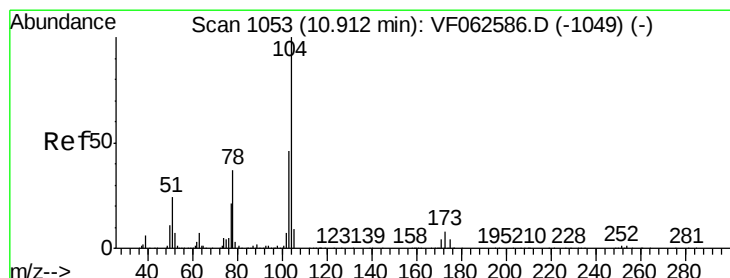
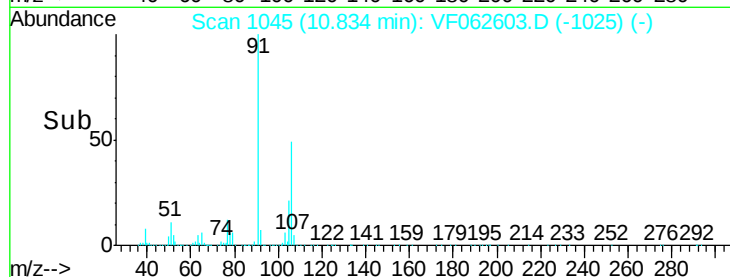
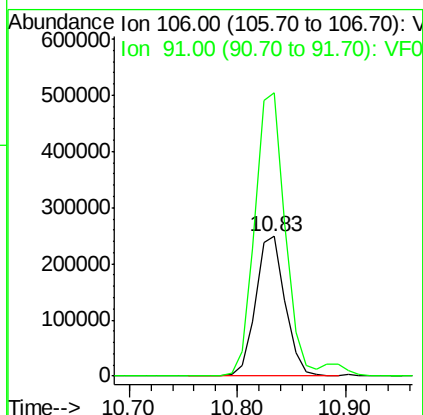
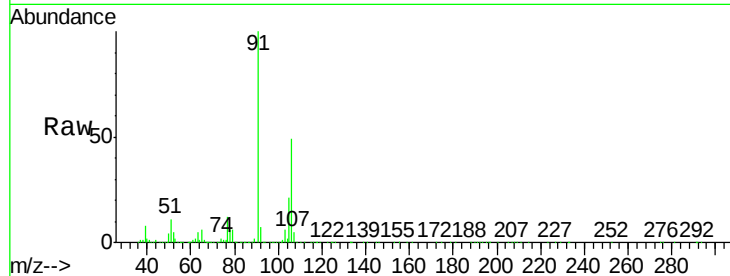




#69
o-Xylene
Concen: 50.411 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

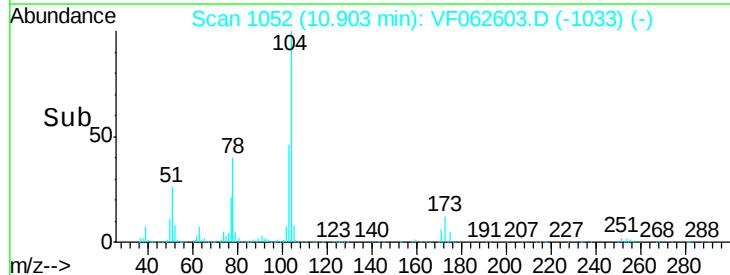
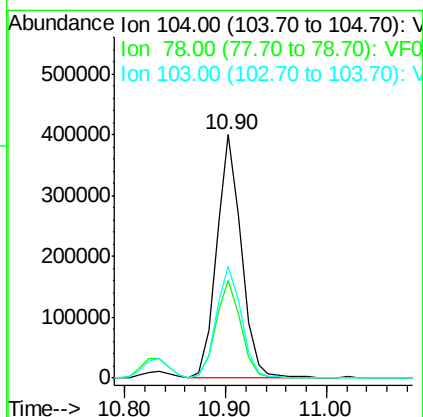
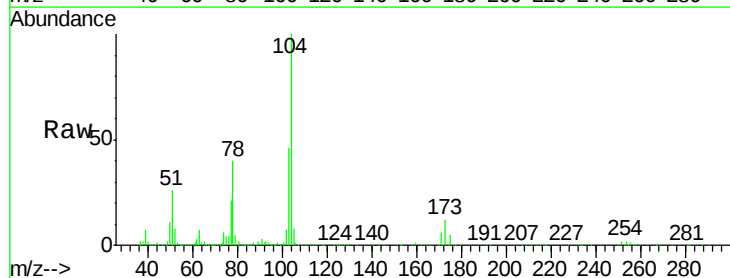
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

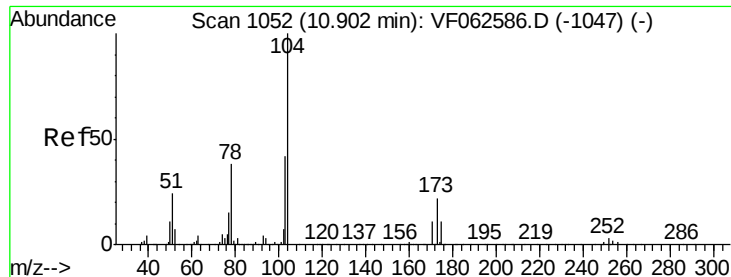
Tot Ion:106 Resp: 472001
Ion Ratio Lower Upper
106 100
91 202.3 102.0 305.9



#70
Styrene
Concen: 47.580 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion:104 Resp: 676932
Ion Ratio Lower Upper
104 100
78 40.1 30.2 45.2
103 45.9 37.0 55.6





#71

Bromoform

Concen: 52.973 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

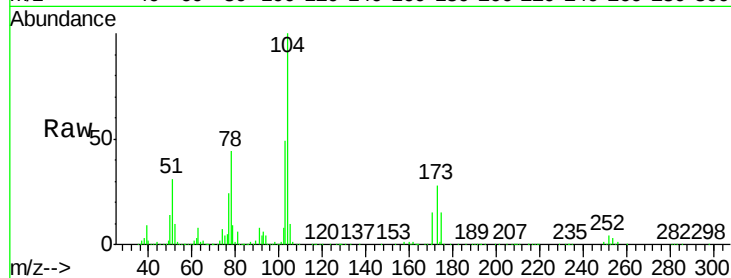
Tot Ion:173 Resp: 145205

Ion Ratio Lower Upper

173 100

175 53.0 24.1 72.3

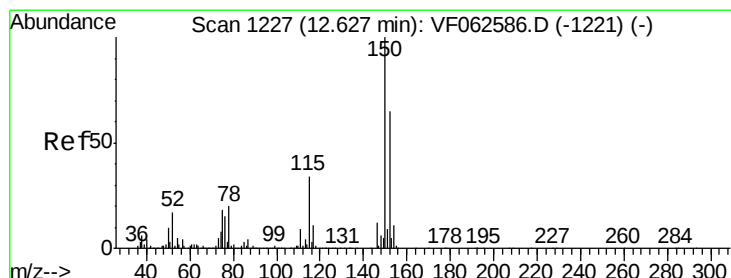
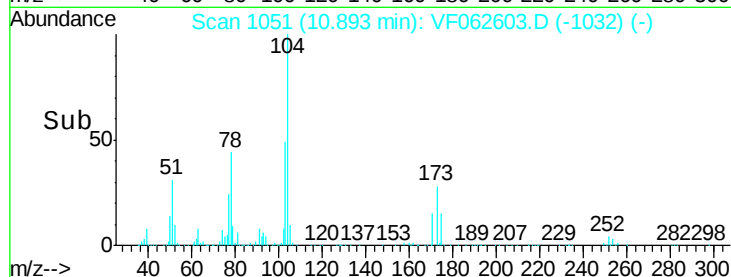
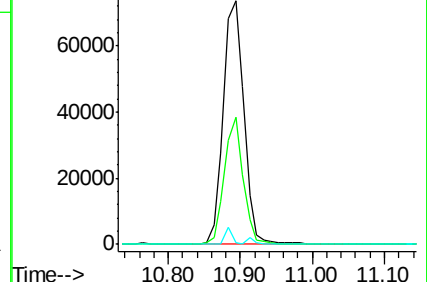
254 0.5 0.0 0.0#



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. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

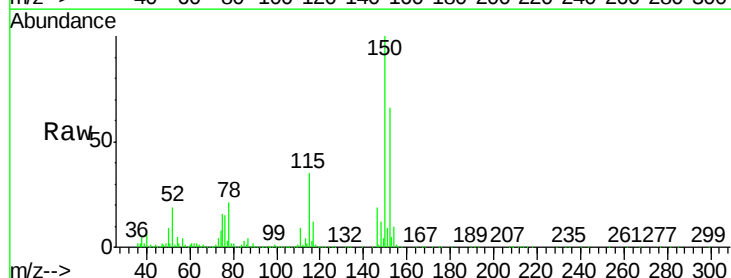
Tgt Ion:152 Resp: 394355

Ion Ratio Lower Upper

152 100

115 53.0 26.2 78.6

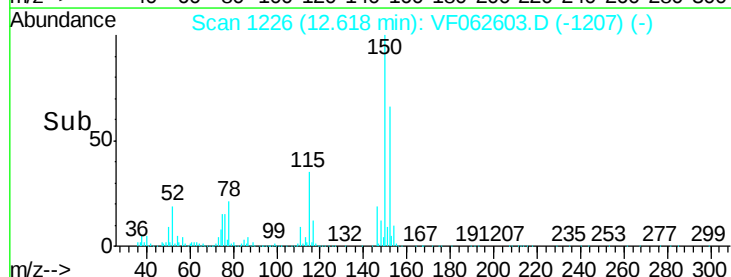
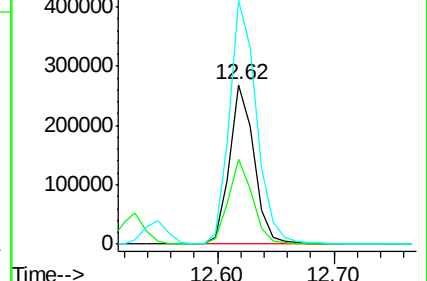
150 152.5 0.0 316.0

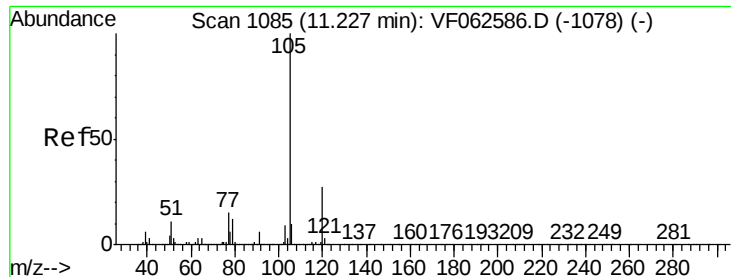


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.355 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

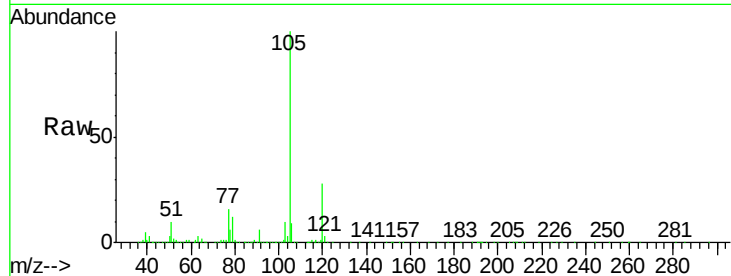
VSTDCCC050

Tot Ion:105 Resp: 1282136

Ion Ratio Lower Upper

105 100

120 28.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

800000

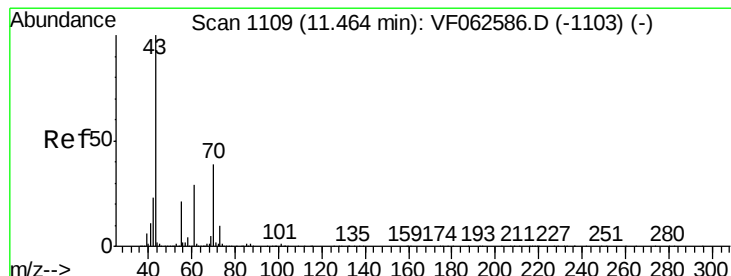
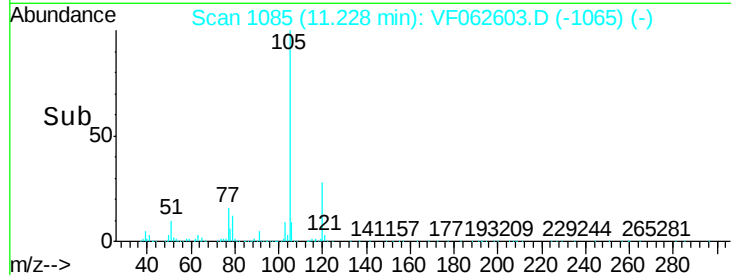
600000

400000

200000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 52.034 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Tgt Ion: 43 Resp: 335008

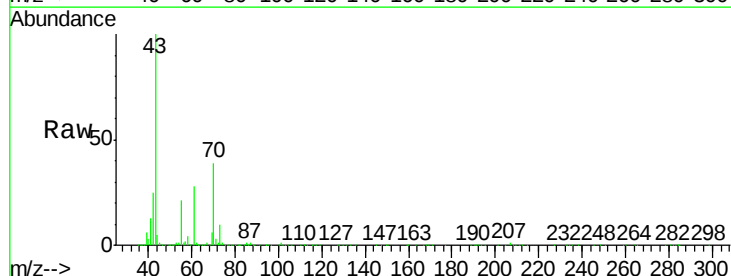
Ion Ratio Lower Upper

43 100

70 38.8 31.0 46.4

55 20.8 16.7 25.1

61 27.7 23.4 35.2



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

300000

250000

200000

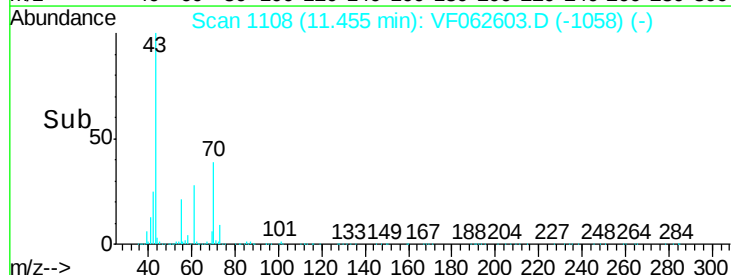
150000

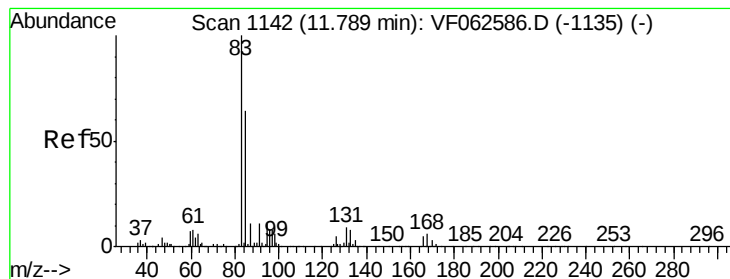
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 48.486 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

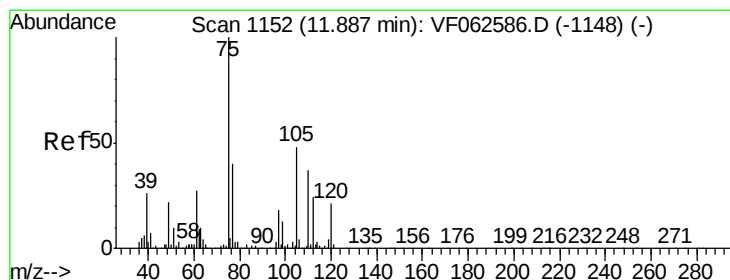
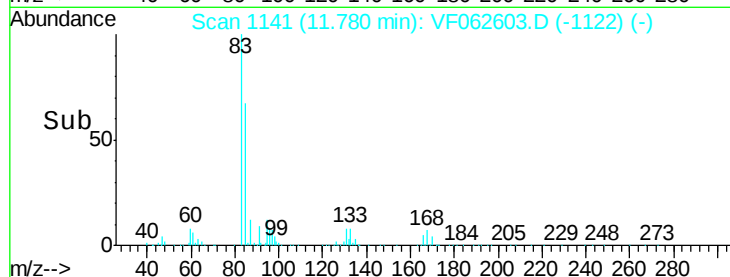
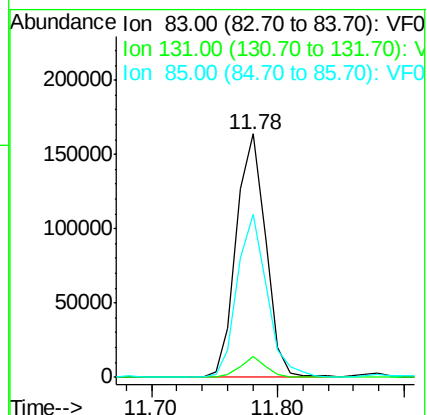
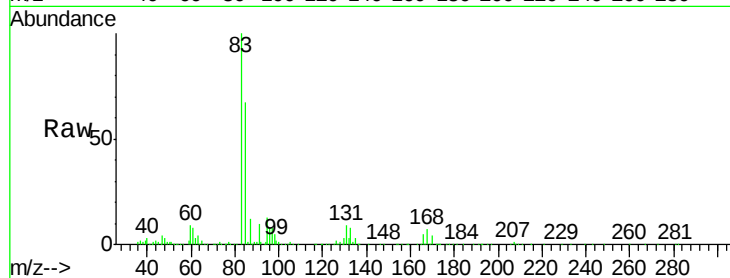
Tot Ion: 83 Resp: 263379

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.6	13.8
85	66.7	32.1	96.3

83 100

131 8.7 4.6 13.8

85 66.7 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 48.039 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062603.D

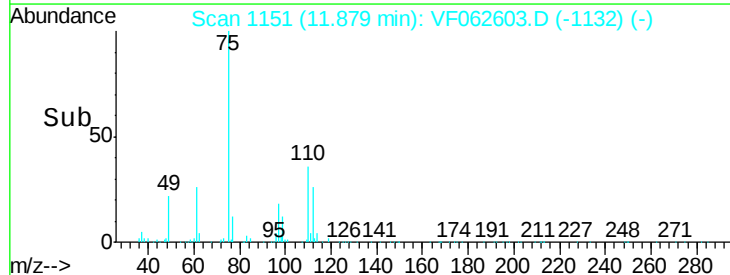
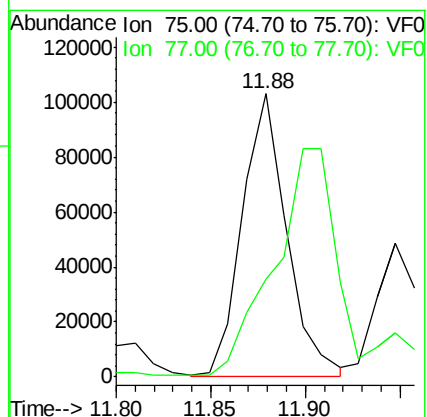
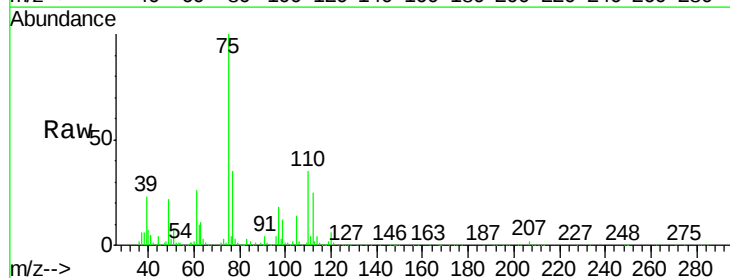
Acq: 15 May 2019 11:50

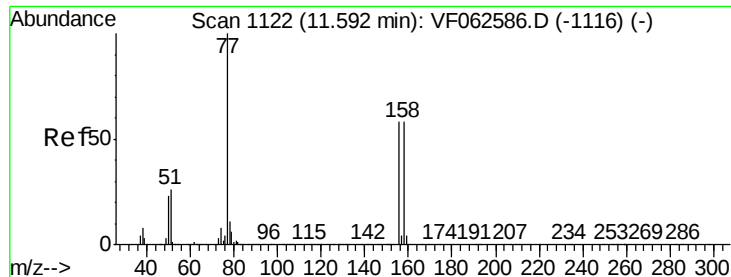
Tgt Ion: 75 Resp: 167291

Ion	Ratio	Lower	Upper
75	100		
77	34.7	20.4	61.3

75 100

77 34.7 20.4 61.3





#77

Bromobenzene

Concen: 50.501 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

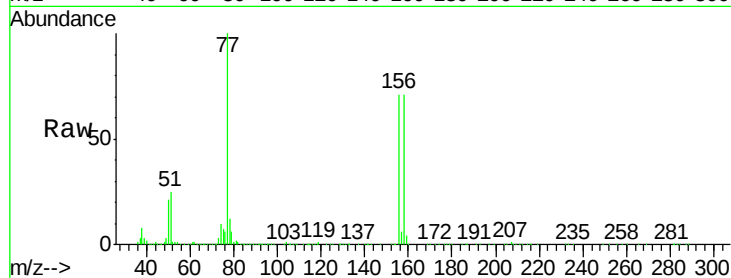
Tot Ion:156 Resp: 302601

Ion Ratio Lower Upper

156 100

77 141.2 86.5 259.5

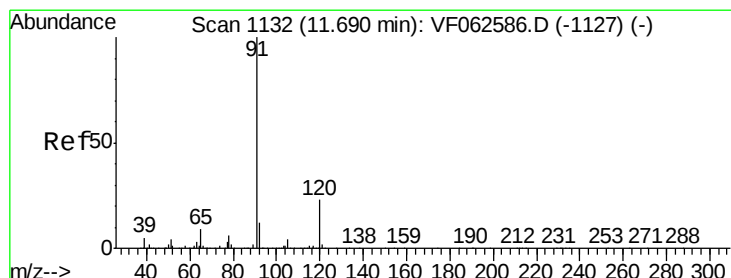
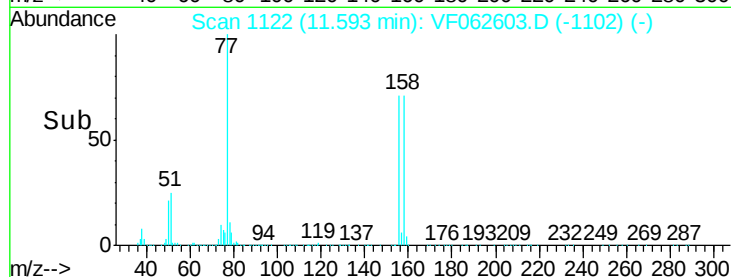
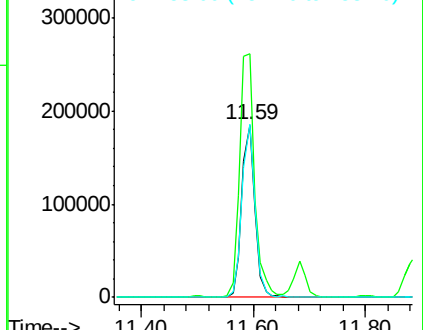
158 100.2 50.3 150.9



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: 46.909 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062603.D

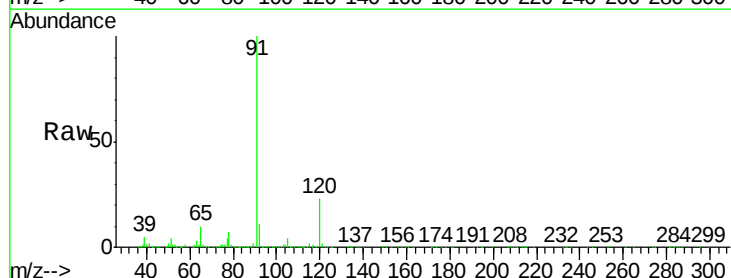
Acq: 15 May 2019 11:50

Tgt Ion: 91 Resp: 1479424

Ion Ratio Lower Upper

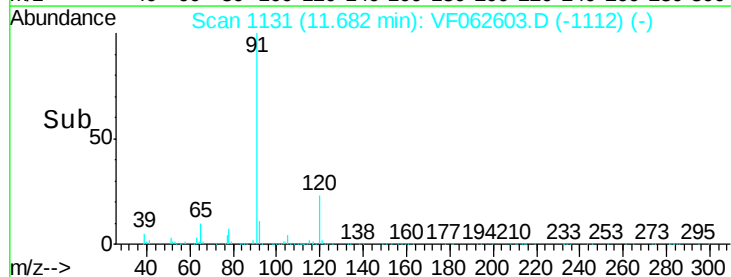
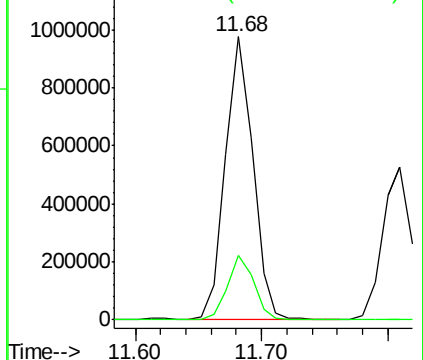
91 100

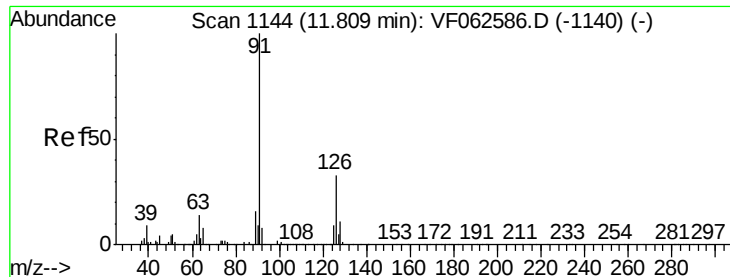
120 22.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

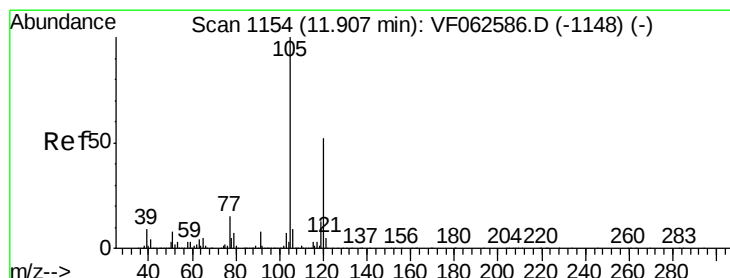
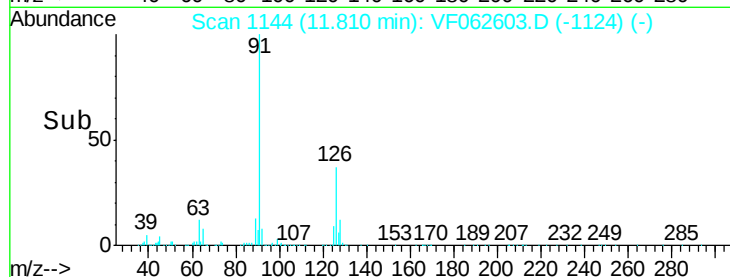
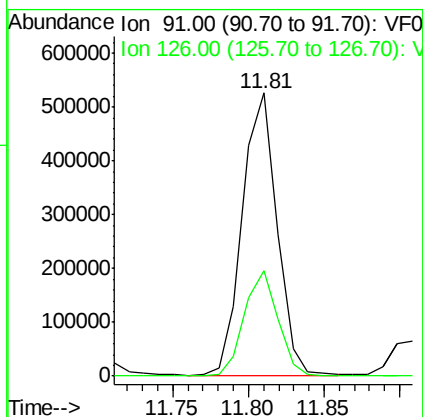
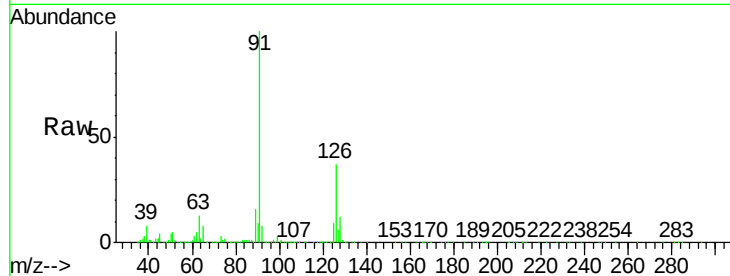




#79
2-Chlorotoluene
Concen: 48.032 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

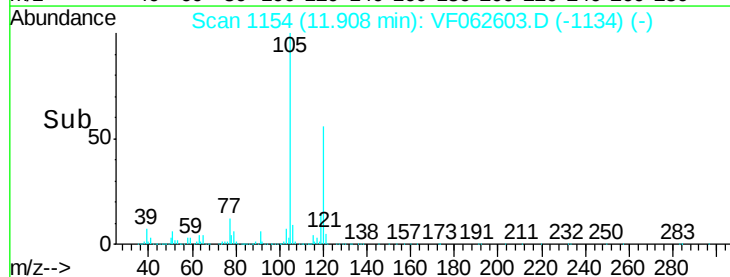
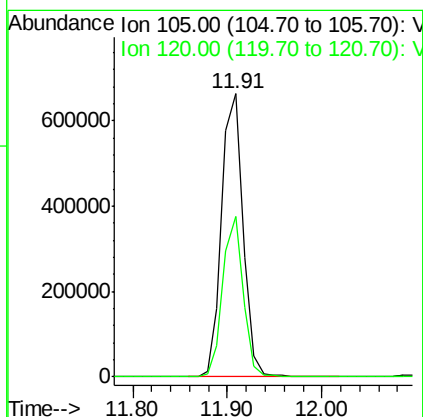
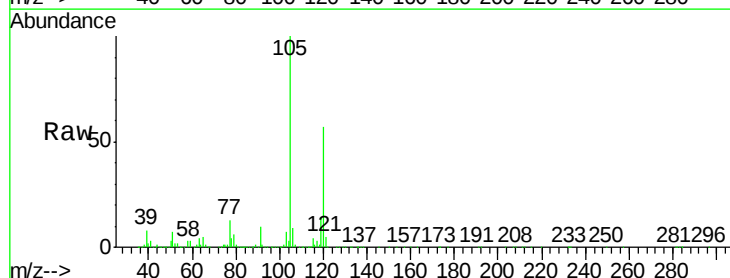
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

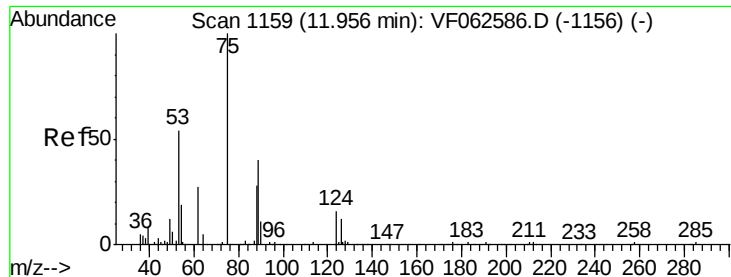
Tot Ion: 91 Resp: 836017
Ion Ratio Lower Upper
91 100
126 37.2 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 50.345 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 105 Resp: 1044942
Ion Ratio Lower Upper
105 100
120 56.6 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.861 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

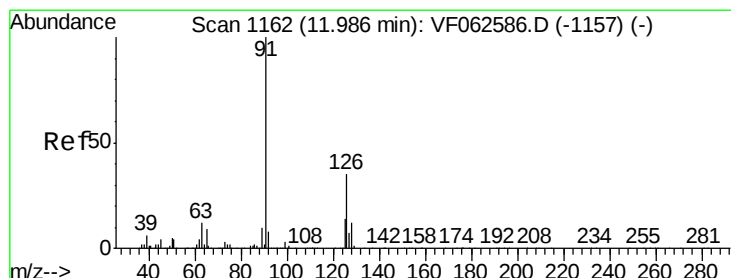
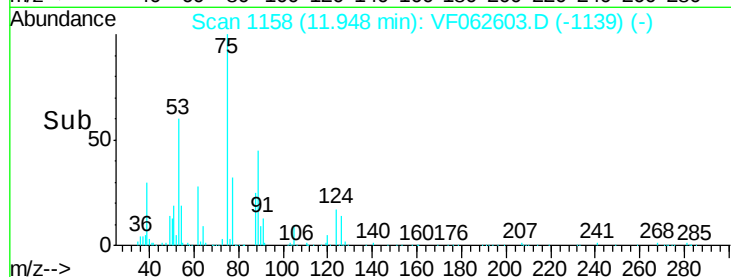
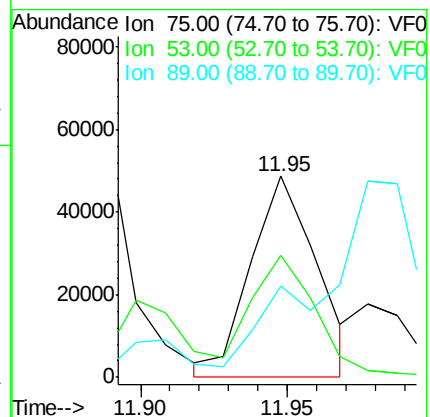
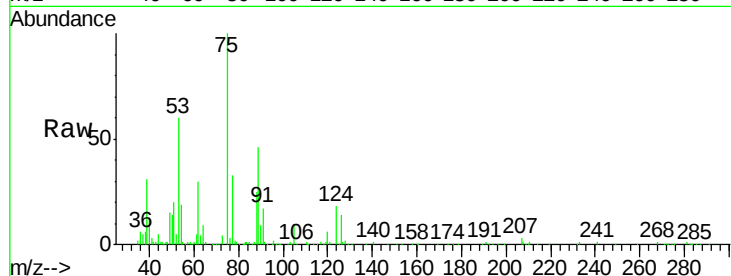
Tot Ion: 75 Resp: 75493

Ion Ratio Lower Upper

75 100

53 60.4 46.6 70.0

89 45.7 33.8 50.8



#82

4-Chlorotoluene

Concen: 48.969 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062603.D

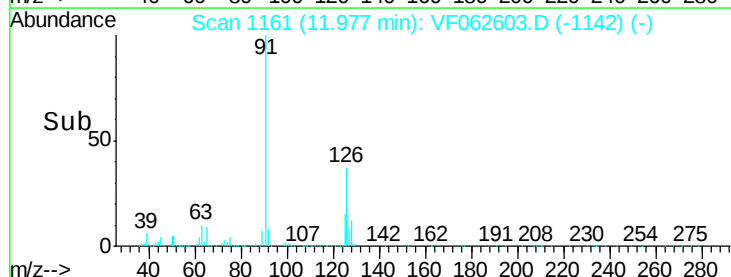
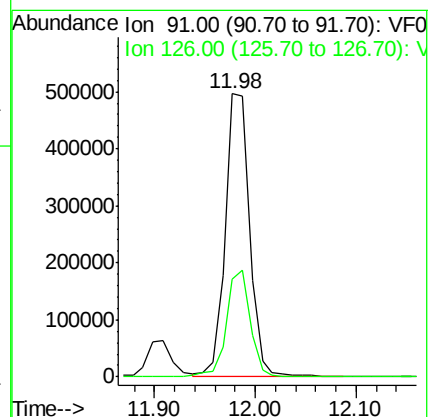
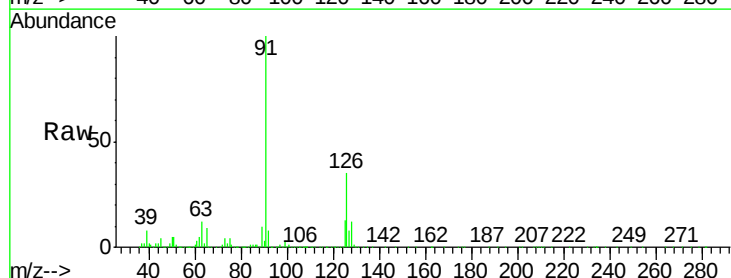
Acq: 15 May 2019 11:50

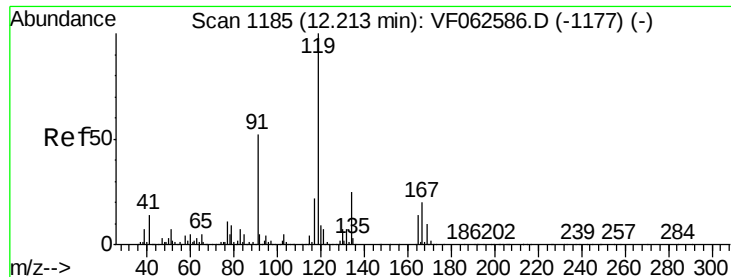
Tgt Ion: 91 Resp: 833401

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5

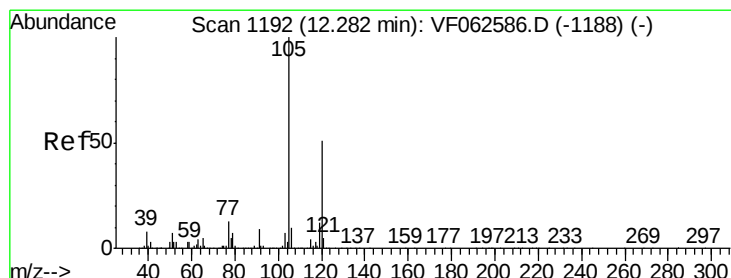
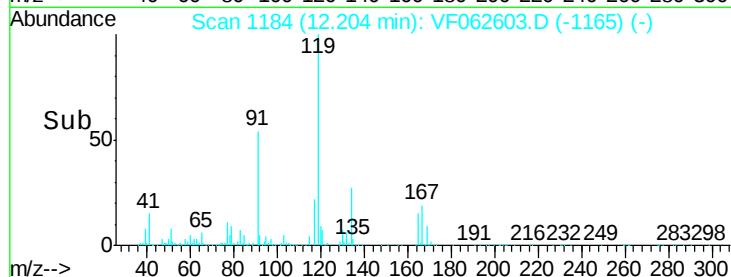
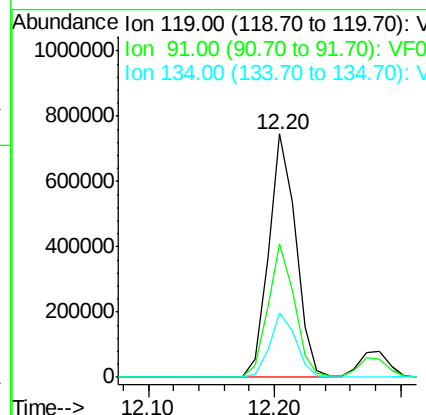
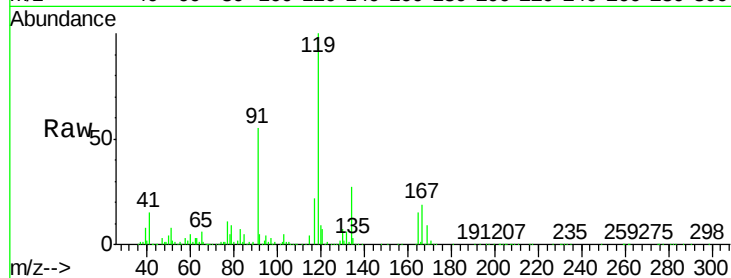




#83
 tert-Butylbenzene
 Concen: 51.636 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

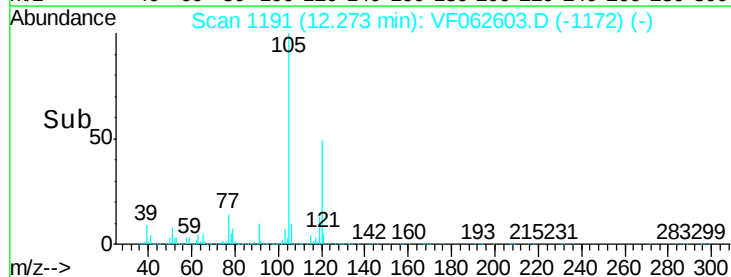
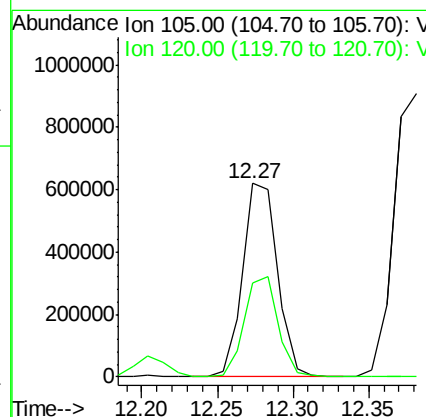
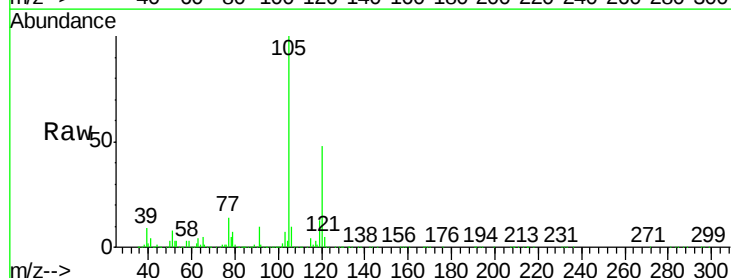
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

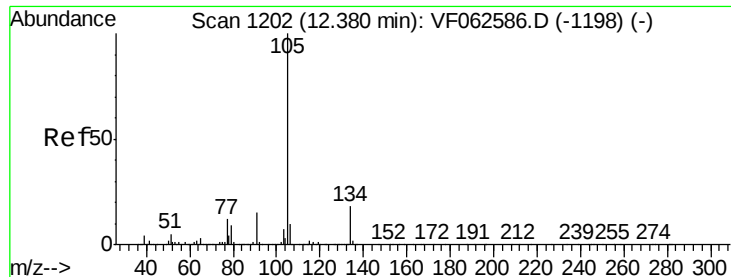
Tot Ion:119 Resp: 1121075
 Ion Ratio Lower Upper
 119 100
 91 54.7 26.0 78.0
 134 26.5 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.827 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion:105 Resp: 995495
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.4 76.0





#85

sec-Butylbenzene

Concen: 49.126 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

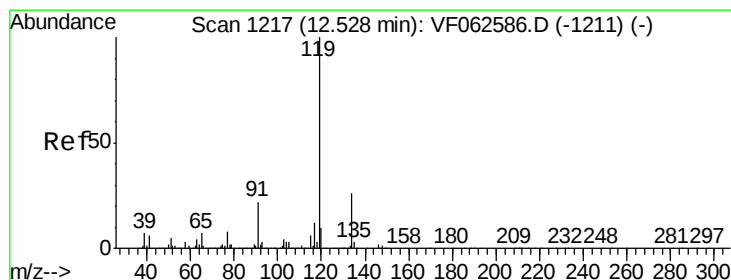
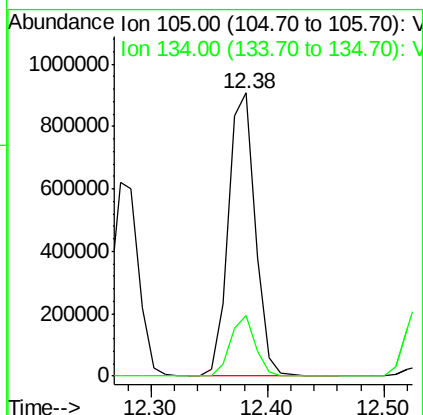
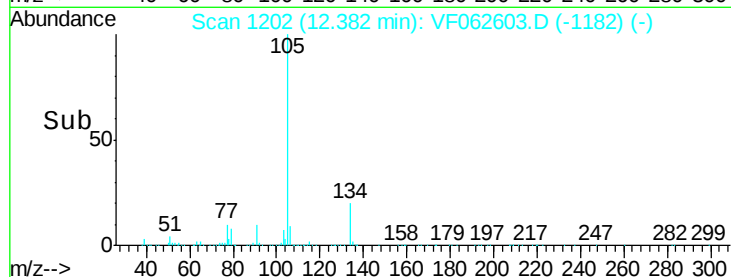
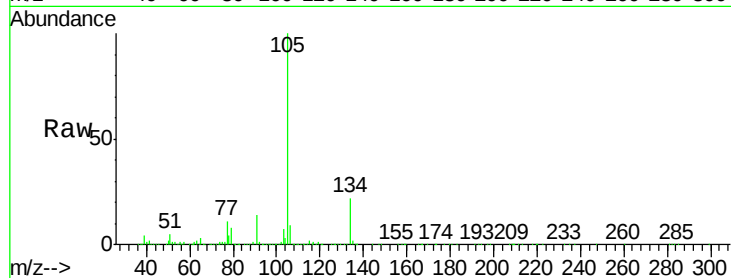
VSTDCCC050

Tot Ion:105 Resp: 1448041

Ion Ratio Lower Upper

105 100

134 21.6 9.3 27.7



#86

p-Isopropyltoluene

Concen: 50.380 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

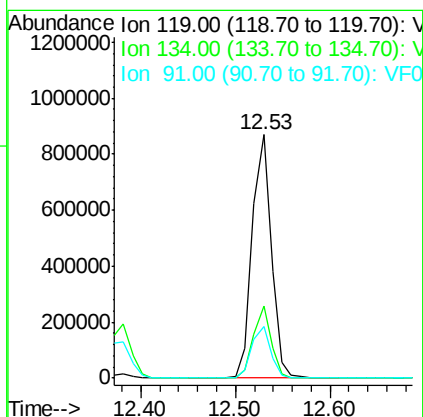
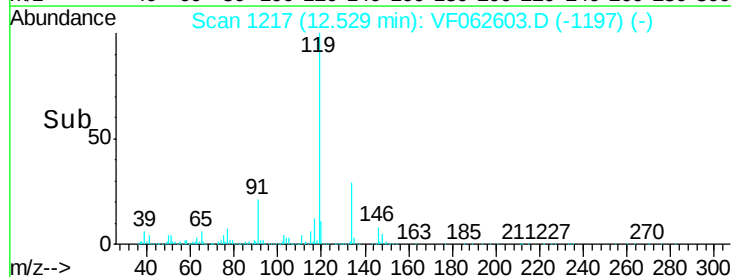
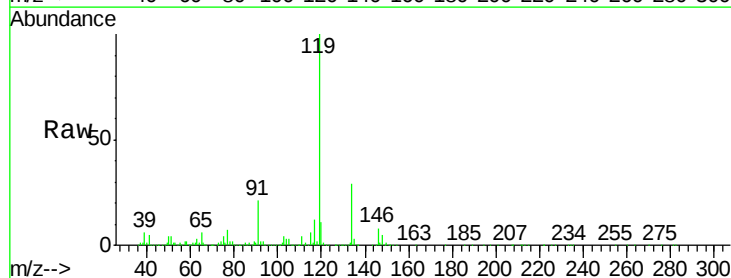
Tgt Ion:119 Resp: 1222391

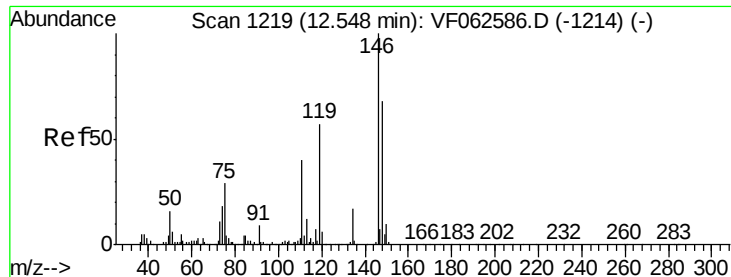
Ion Ratio Lower Upper

119 100

134 29.5 13.0 39.0

91 21.2 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 47.266 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

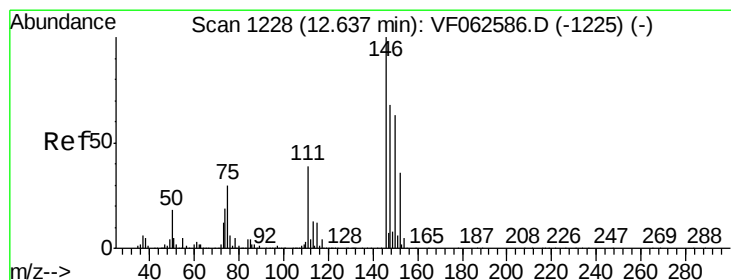
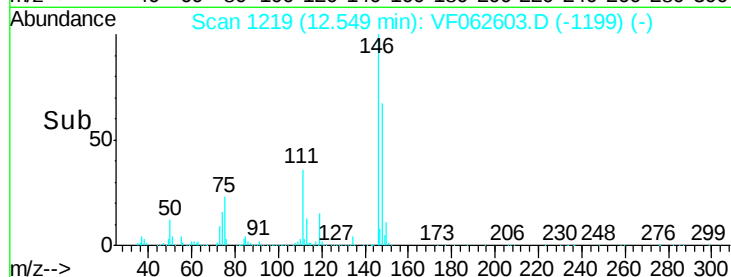
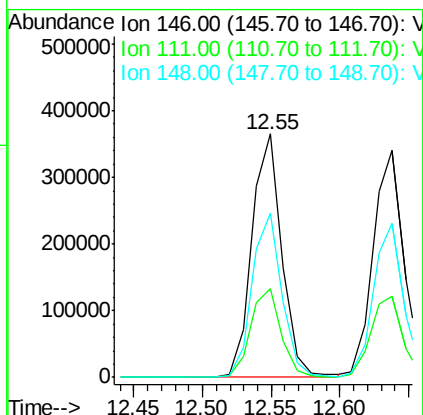
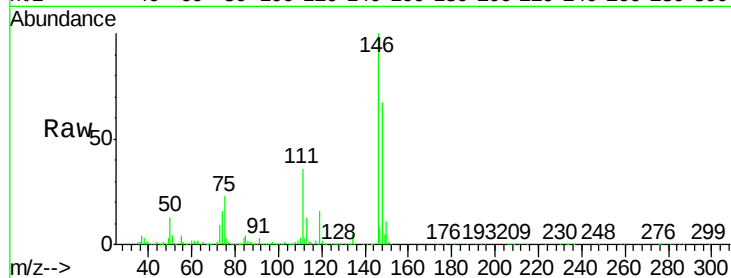
Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 553945

Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.1	60.2
148	67.3	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 48.277 ug/l

RT: 12.64 min Scan# 1228

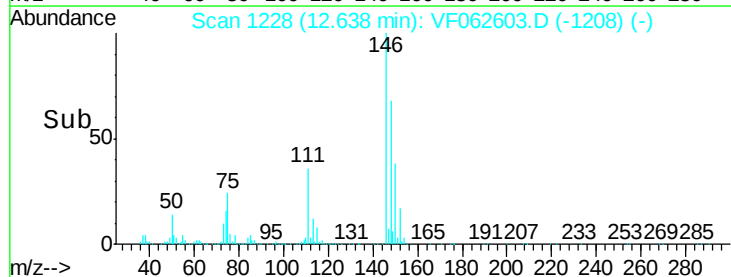
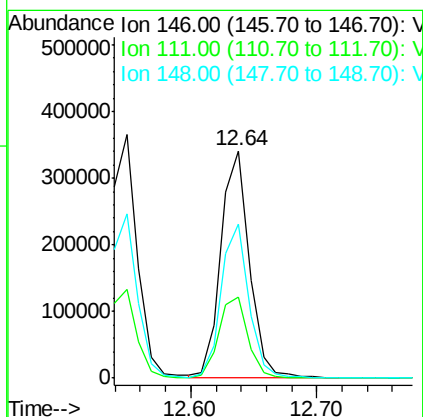
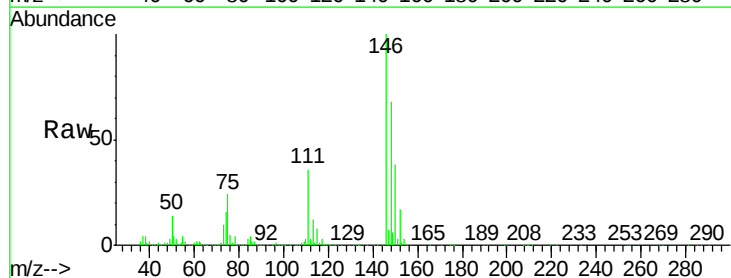
Delta R.T. 0.00 min

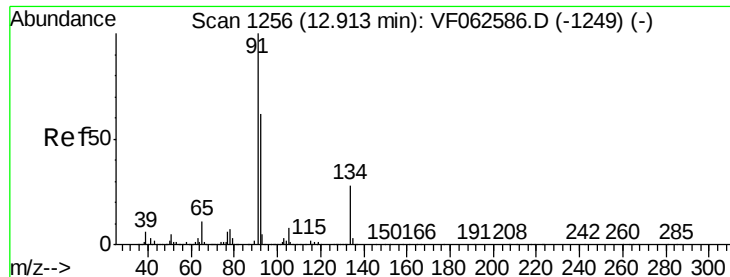
Lab File: VF062603.D

Acq: 15 May 2019 11:50

Tgt Ion:146 Resp: 530746

Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.4	58.1
148	68.0	34.2	102.5

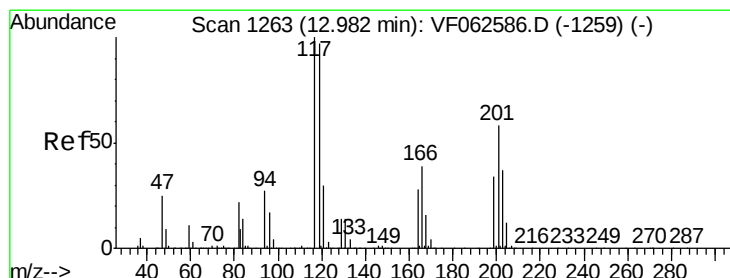
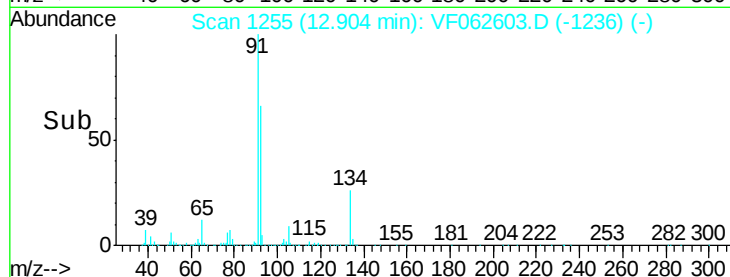
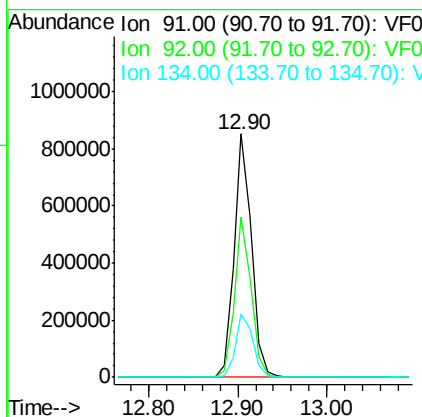
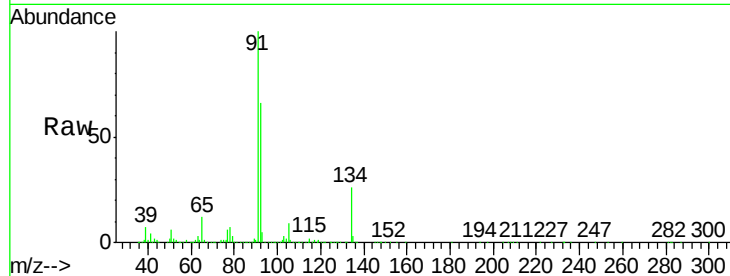




#89
n-Butylbenzene
Concen: 47.728 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

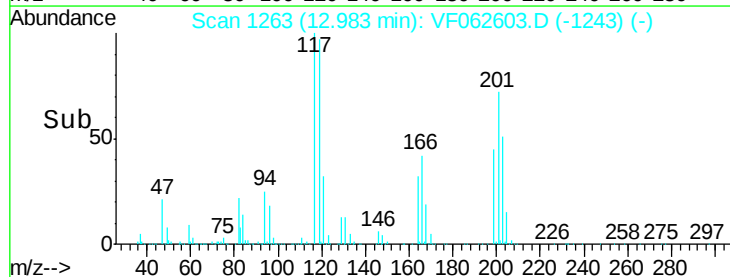
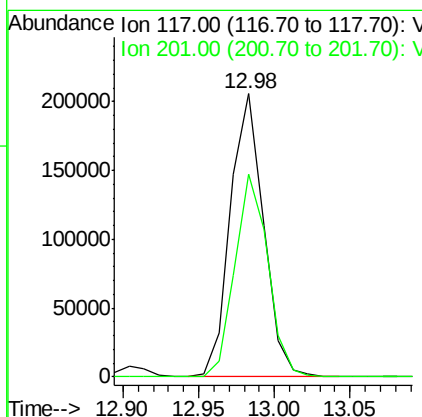
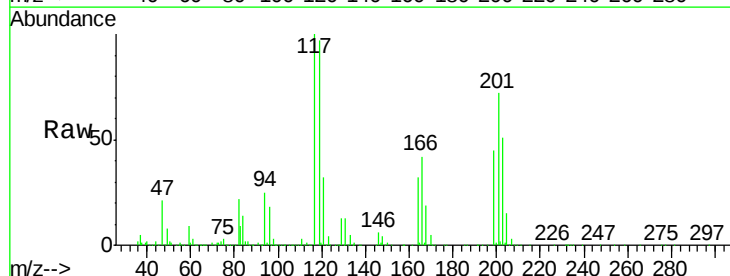
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

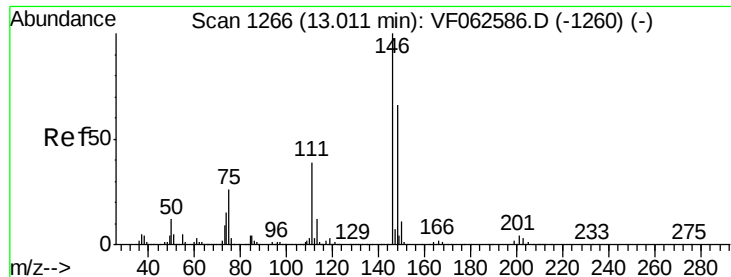
Tot Ion: 91 Resp: 1178804
Ion Ratio Lower Upper
91 100
92 65.7 30.9 92.8
134 25.9 13.9 41.6



#90
Hexachloroethane
Concen: 50.373 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062603.D
Acq: 15 May 2019 11:50

Tgt Ion: 117 Resp: 313077
Ion Ratio Lower Upper
117 100
201 71.7 29.7 89.1





#91

1,2-Dichlorobenzene

Concen: 50.767 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

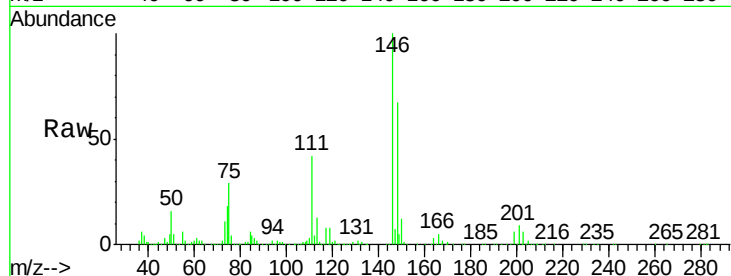
Tot Ion:146 Resp: 527819

Ion Ratio Lower Upper

146 100

111 42.4 19.4 58.2

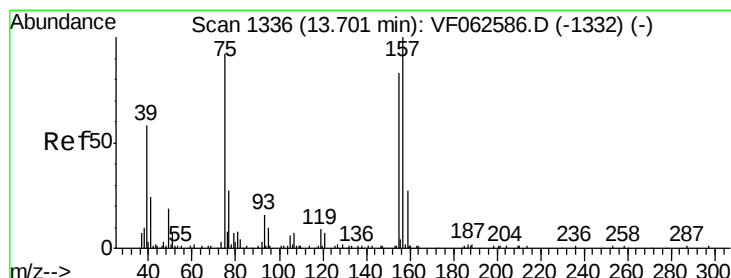
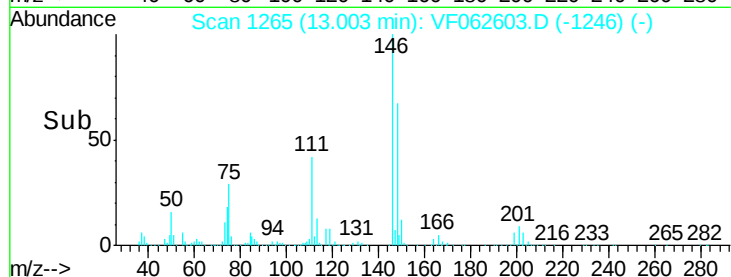
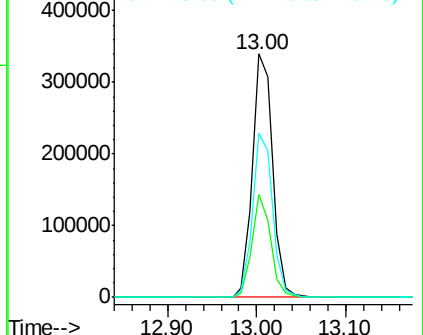
148 67.2 33.1 99.5



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: 48.948 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

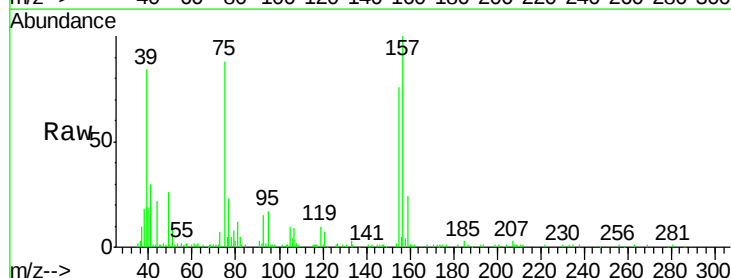
Tgt Ion: 75 Resp: 32660

Ion Ratio Lower Upper

75 100

155 86.5 44.8 134.4

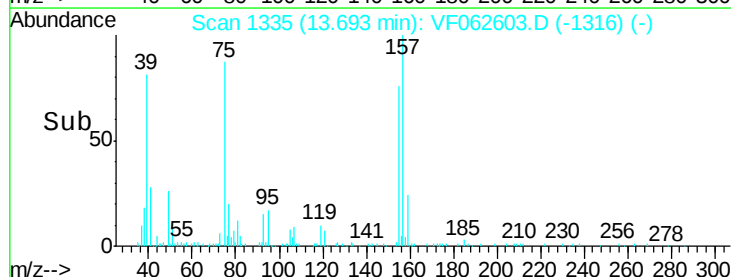
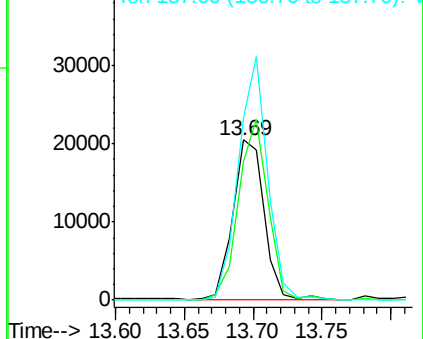
157 114.1 54.1 162.3

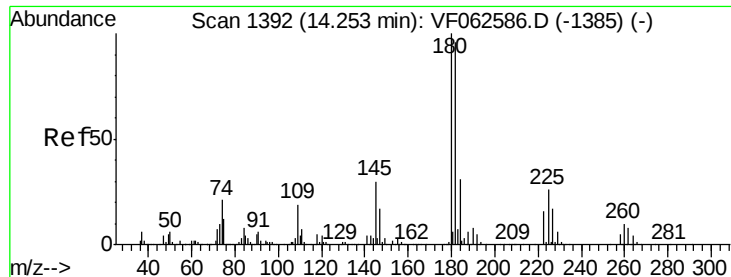


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

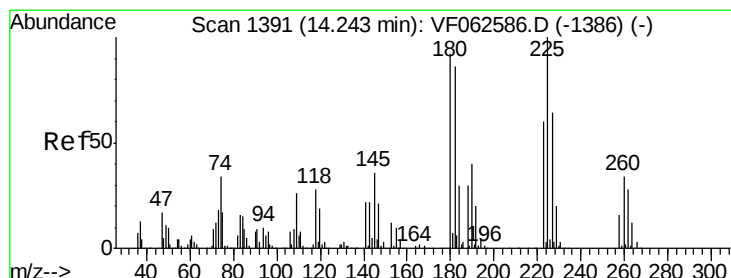
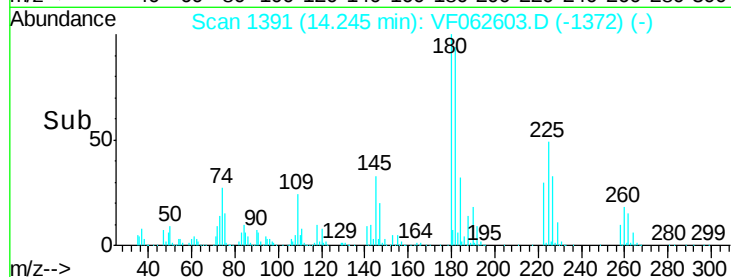
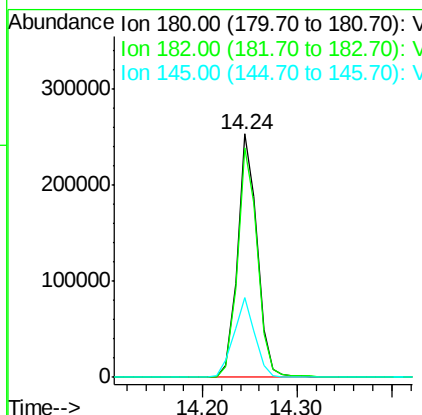
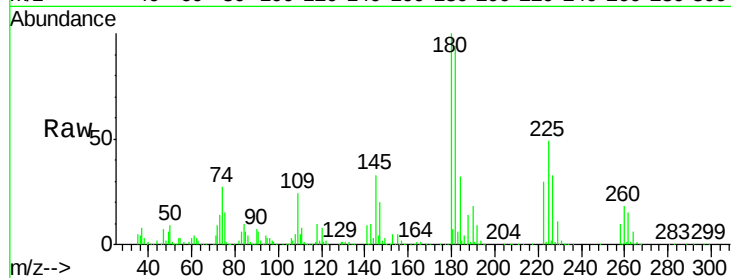




#93
 1,2,4-Trichlorobenzene
 Concen: 50.748 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

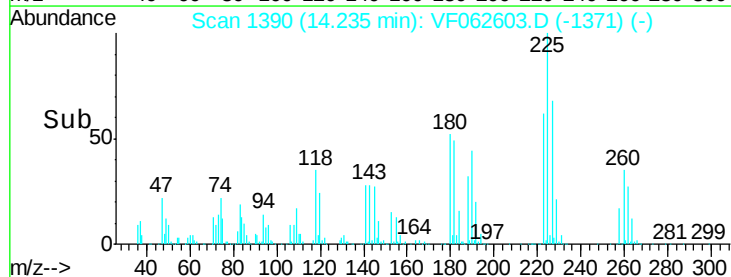
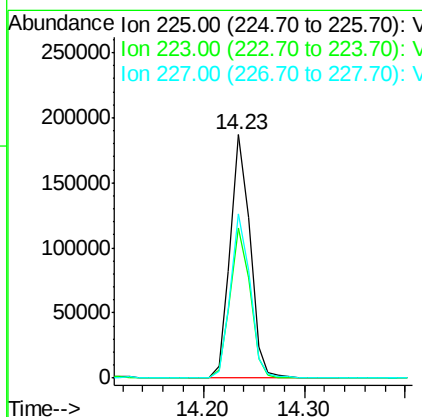
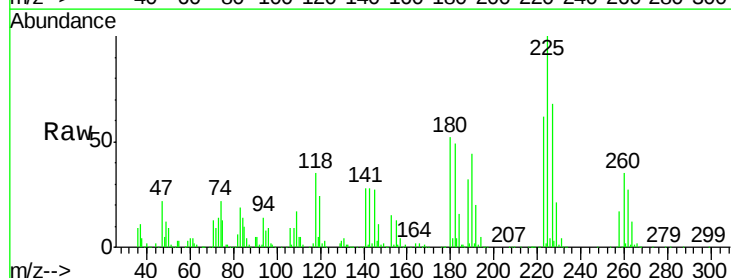
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

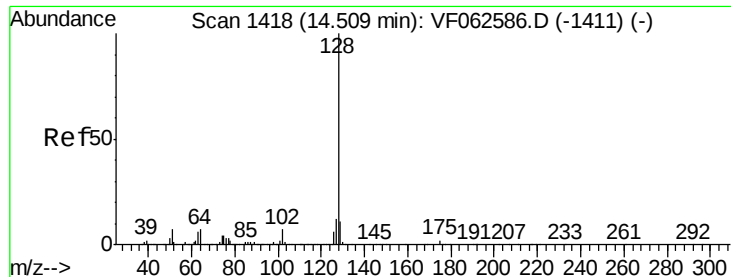
Tot Ion:180 Resp: 366908
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.9 143.8
 145 32.9 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 48.904 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062603.D
 Acq: 15 May 2019 11:50

Tgt Ion:225 Resp: 256844
 Ion Ratio Lower Upper
 225 100
 223 61.8 29.9 89.7
 227 67.6 31.9 95.9





#95

Naphthalene

Concen: 56.305 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

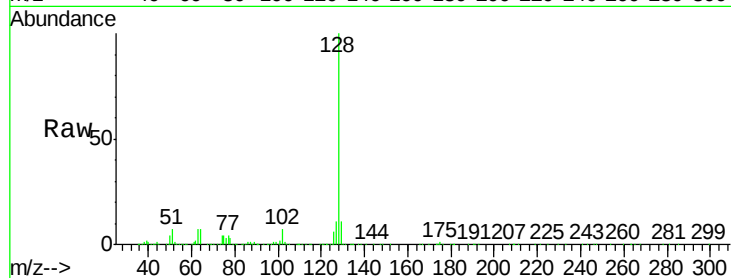
Tot Ion:128 Resp: 662585

Ion Ratio Lower Upper

128 100

127 11.5 9.5 14.3

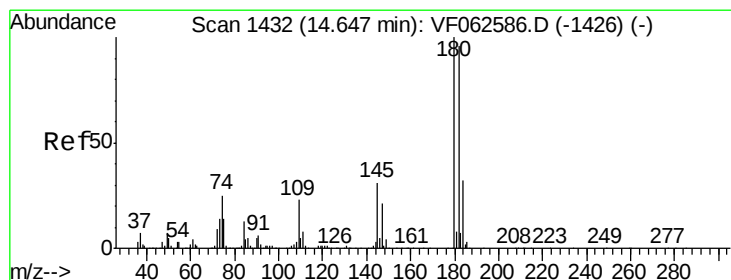
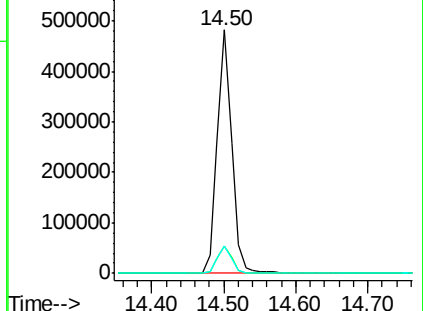
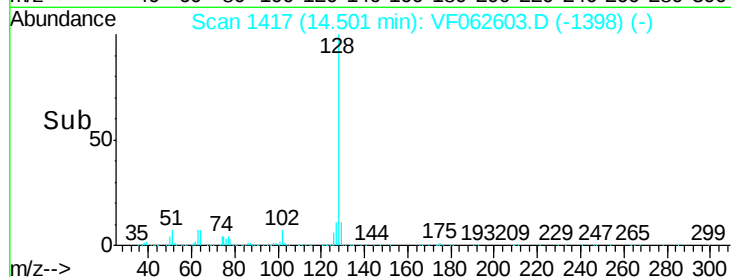
129 11.1 8.6 13.0



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: 52.484 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062603.D

Acq: 15 May 2019 11:50

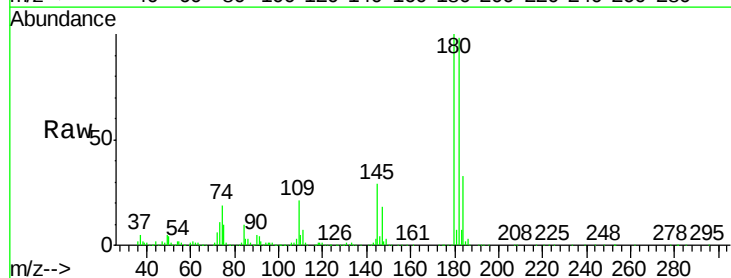
Tgt Ion:180 Resp: 352023

Ion Ratio Lower Upper

180 100

182 97.5 48.1 144.3

145 29.5 15.6 46.7



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

