

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062255.D
 Acq On : 22 Apr 2019 20:38
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 23 01:09:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	391762	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	533295	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	416939	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	236315	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	198810	55.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.68%	
35) Dibromofluoromethane	4.31	113	256492	54.98	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.96%	
50) Toluene-d8	7.71	98	622834	52.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.49	95	240246	52.89	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	286602	48.140	ug/l	97
3) Chloromethane	1.15	50	266325	43.280	ug/l	100
4) Vinyl Chloride	1.19	62	240803	45.548	ug/l	98
5) Bromomethane	1.39	94	165016	53.730	ug/l	96
6) Chloroethane	1.45	64	111983	50.668	ug/l	94
7) Trichlorofluoromethane	1.56	101	369981	55.087	ug/l	99
8) Diethyl Ether	1.71	74	67162	48.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	235150	51.250	ug/l	99
10) Methyl Iodide	1.98	142	419333	51.445	ug/l #	88
11) Tert butyl alcohol	2.69	59	55489	222.221	ug/l	96
12) 1,1-Dichloroethene	1.87	96	214633	49.182	ug/l	94
13) Acrolein	2.10	56	38566	350.457	ug/l	93
14) Allyl chloride	2.20	41	343038	68.494	ug/l	92
15) Acrylonitrile	3.09	53	175560	230.838	ug/l	97
16) Acetone	2.35	43	197230	229.700	ug/l	95
17) Carbon Disulfide	1.92	76	572074	47.175	ug/l	100
18) Methyl Acetate	2.46	43	86570	46.380	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	403548	52.374	ug/l	99
20) Methylene Chloride	2.35	84	118534	24.974	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	209997	48.659	ug/l	96
22) Diisopropyl ether	2.94	45	612007	47.771	ug/l	97
23) Vinyl Acetate	3.35	43	1345145	220.374	ug/l	99
24) 1,1-Dichloroethane	3.02	63	354511	50.585	ug/l	99
25) 2-Butanone	4.52	43	344842	200.852	ug/l	96
26) 2,2-Dichloropropane	3.77	77	174272	49.254	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	272733	48.800	ug/l	96
28) Bromochloromethane	3.90	49	148180	44.139	ug/l #	8
29) Tetrahydrofuran	4.27	42	155999	200.738	ug/l	97
30) Chloroform	4.05	83	416242	48.328	ug/l	97
31) Cyclohexane	3.88	56	355810	42.365	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	338729	53.728	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	311702	48.750	ug/l	99
37) Ethyl Acetate	4.31	43	129481	42.915	ug/l #	96
38) Carbon Tetrachloride	4.19	117	404655	71.500	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	369409	48.254	ug/l	97
40) Benzene	4.82	78	807647	48.158	ug/l	98
41) Methacrylonitrile	4.94	41	82995	47.688	ug/l	93
42) 1,2-Dichloroethane	5.13	62	225002	50.749	ug/l	99
43) Isopropyl Acetate	7.12	43	129191	40.712	ug/l	97
44) Trichloroethene	5.69	130	235866	52.047	ug/l	97
45) 1,2-Dichloropropane	6.42	63	170451	46.140	ug/l	98
46) Dibromomethane	6.26	93	124555	50.677	ug/l	93
47) Bromodichloromethane	6.55	83	284583	51.309	ug/l #	97
48) Methyl methacrylate	6.88	41	92292	44.255	ug/l	94
49) 1,4-Dioxane	6.87	88	19930	833.301	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	486430	206.092	ug/l	98
52) Toluene	7.78	92	425225	48.100	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	201137	48.282	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	267382	47.450	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	125261	50.579	ug/l	99
56) Ethyl methacrylate	8.75	69	128986	45.809	ug/l	99
57) 1,3-Dichloropropane	9.00	76	185279	46.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	194471	237.886	ug/l	94
59) 2-Hexanone	9.62	43	281539	191.313	ug/l	96
60) Dibromochloromethane	8.86	129	200261	54.373	ug/l	97
61) 1,2-Dibromoethane	9.13	107	142371	51.027	ug/l	97
64) Tetrachloroethene	8.31	164	210359	55.890	ug/l	96
65) Chlorobenzene	9.94	112	456768	51.378	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	224444	53.910	ug/l	98
67) Ethyl Benzene	10.03	91	785065	48.563	ug/l	99
68) m/p-Xylenes	10.26	106	600039	100.828	ug/l	95
69) o-Xylene	10.82	106	334226	50.584	ug/l	99
70) Styrene	10.89	104	467888	50.179	ug/l	99
71) Bromoform	10.88	173	120952	55.024	ug/l #	98
73) Isopropylbenzene	11.22	105	967198	47.646	ug/l	98
74) N-amyl acetate	11.44	43	182087	37.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	163418	46.811	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	110103	45.841	ug/l #	64
77) Bromobenzene	11.58	156	236142	54.303	ug/l	87
78) n-propylbenzene	11.67	91	994184	46.426	ug/l	97
79) 2-Chlorotoluene	11.80	91	608322	46.830	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	826662	48.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	61463	50.176	ug/l #	91
82) 4-Chlorotoluene	11.98	91	574011	45.724	ug/l	96
83) tert-Butylbenzene	12.19	119	852366	48.751	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	625698	38.243	ug/l	97
85) sec-Butylbenzene	12.37	105	1058234	46.620	ug/l	98
86) p-Isopropyltoluene	12.52	119	941525	48.898	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	394927	48.940	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	382851	49.187	ug/l	98
89) n-Butylbenzene	12.89	91	820954	52.057	ug/l	99
90) Hexachloroethane	12.97	117	249140	50.388	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	387685	49.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31433	45.828	ug/l	85

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Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

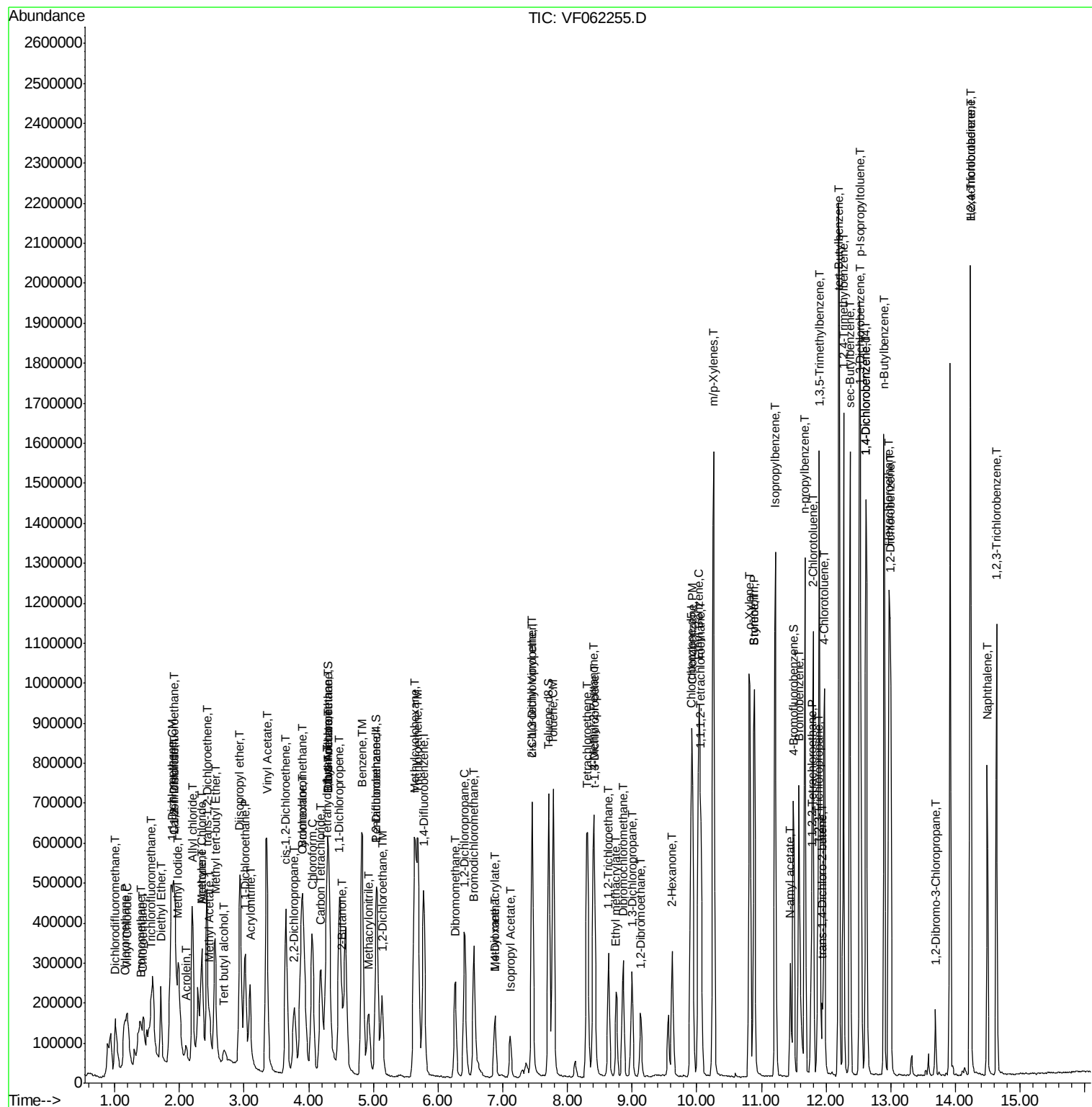
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	336171	51.565	ug/l	99
94) Hexachlorobutadiene	14.22	225	249022	55.706	ug/l	100
95) Naphthalene	14.49	128	558372	48.983	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	330664	52.831	ug/l	99

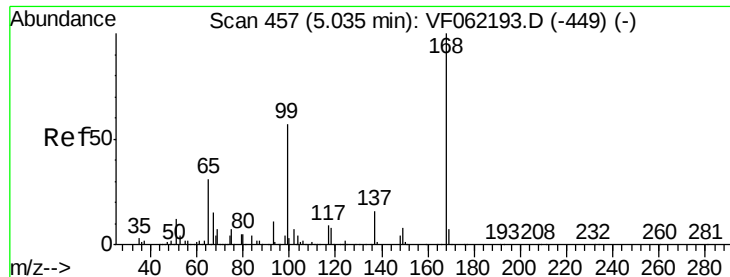
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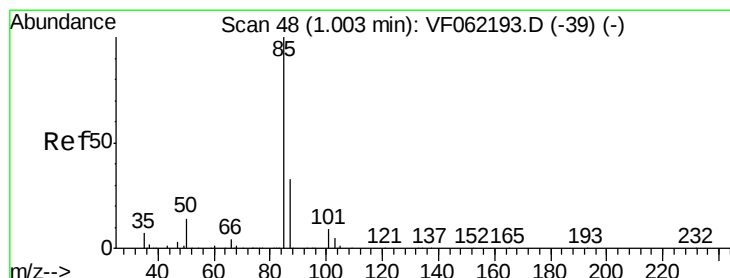
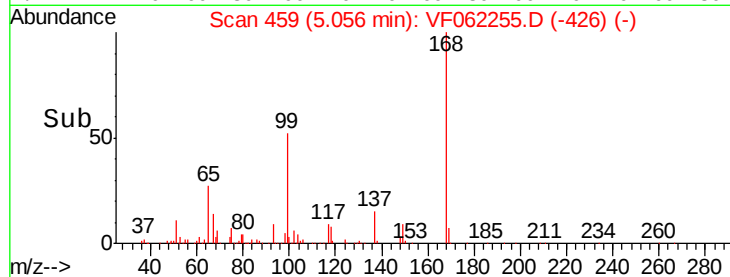
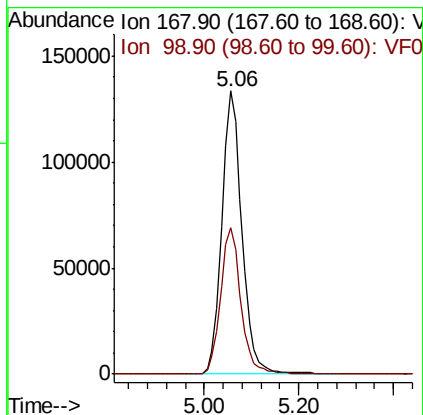
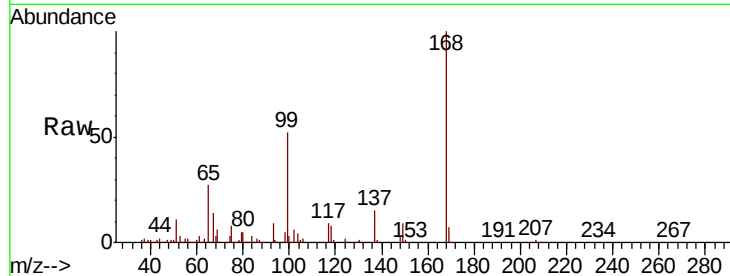


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
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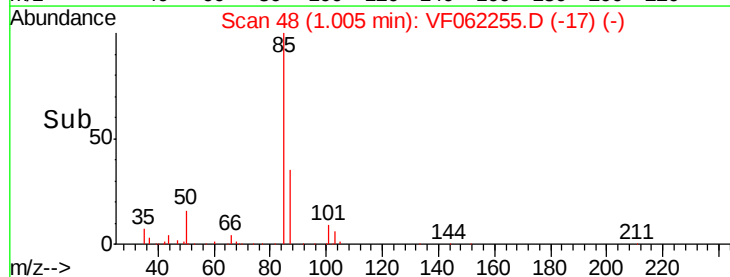
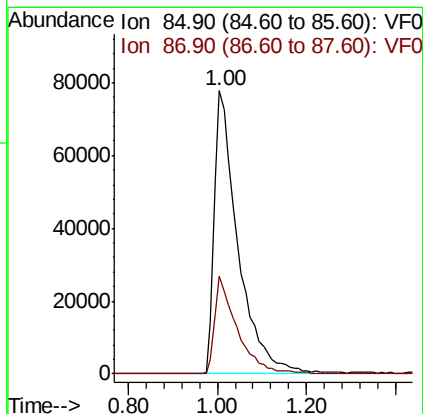
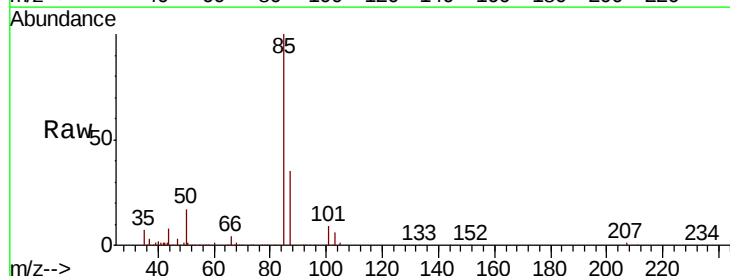
Tot Ion:168 Resp: 391762
 Ion Ratio Lower Upper
 168 100
 99 51.8 45.5 68.3

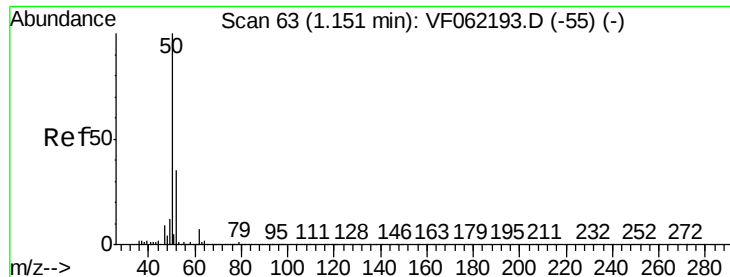


#2

Dichlorodifluoromethane
 Concen: 48.140 ug/l
 RT: 1.00 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion: 85 Resp: 286602
 Ion Ratio Lower Upper
 85 100
 87 34.6 16.4 49.1





#3

Chloromethane

Concen: 43.280 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

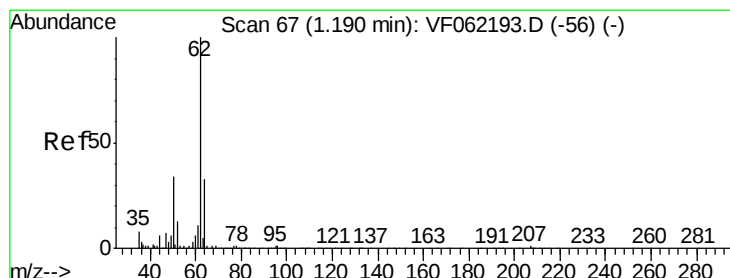
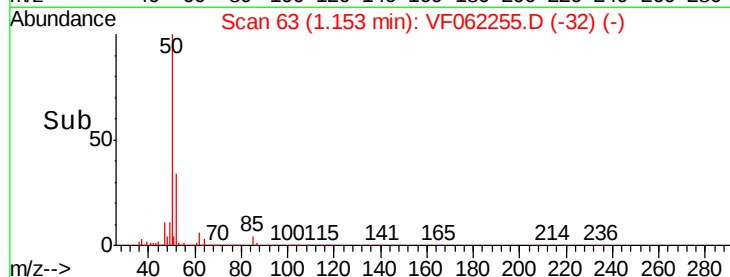
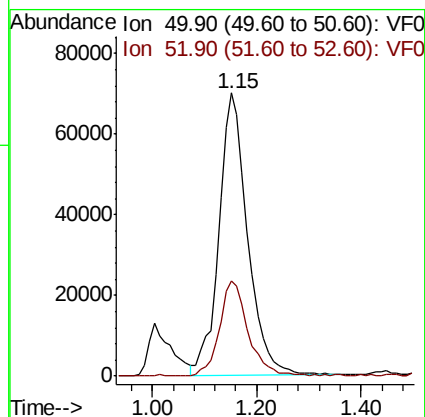
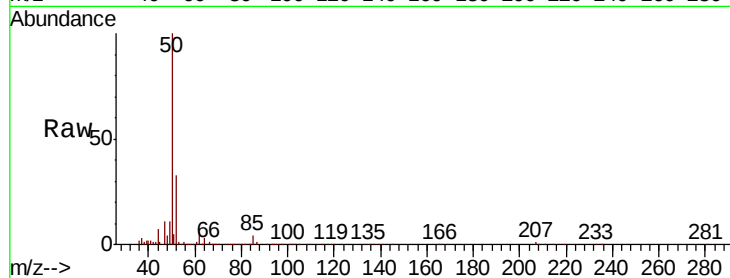
VSTDCCC050EC

Tot Ion: 50 Resp: 266325

Ion Ratio Lower Upper

50 100

52 33.5 27.0 40.4



#4

Vinyl Chloride

Concen: 45.548 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062255.D

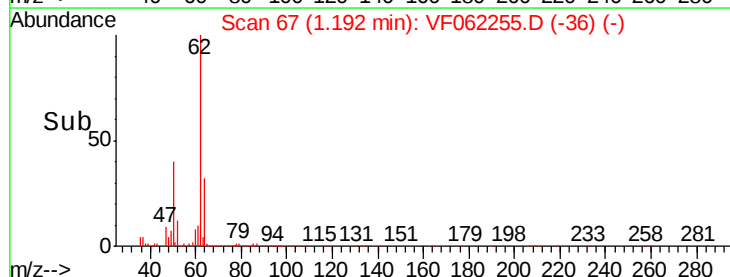
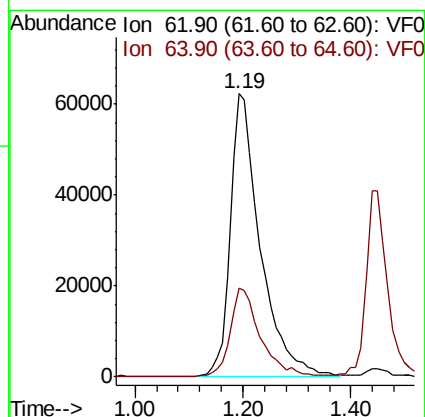
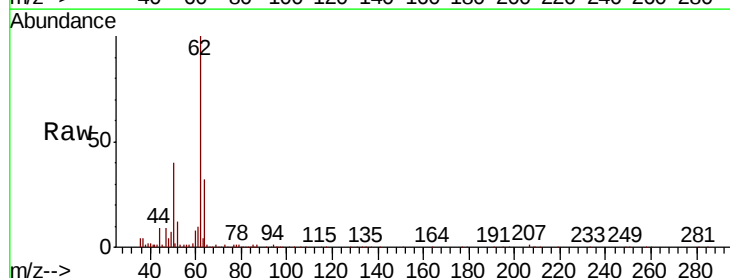
Acq: 22 Apr 2019 20:38

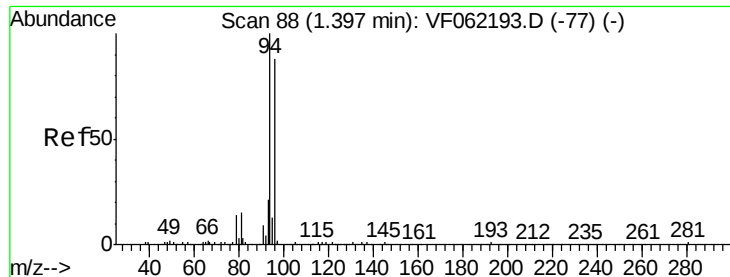
Tgt Ion: 62 Resp: 240803

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.4





#5

Bromomethane

Concen: 53.730 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

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ClientSampleId :

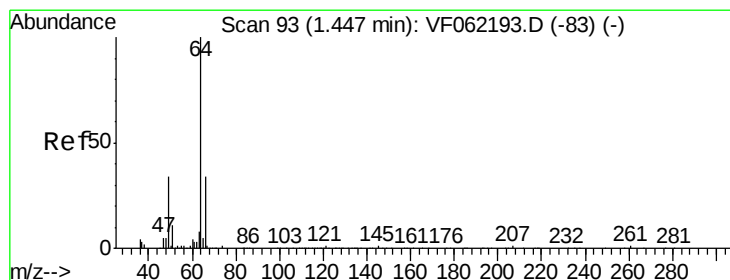
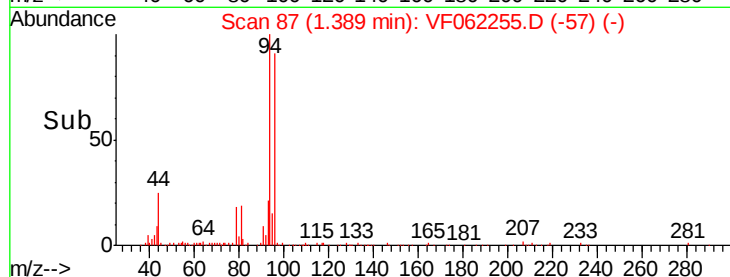
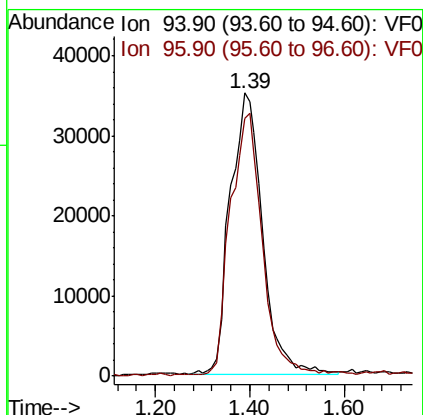
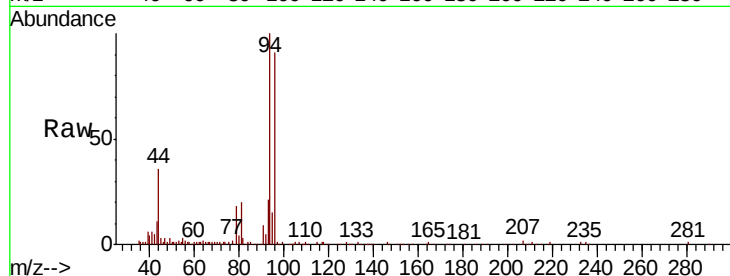
VSTDCCC050EC

Tot Ion: 94 Resp: 165016

Ion Ratio Lower Upper

94 100

96 91.2 70.2 105.4



#6

Chloroethane

Concen: 50.668 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062255.D

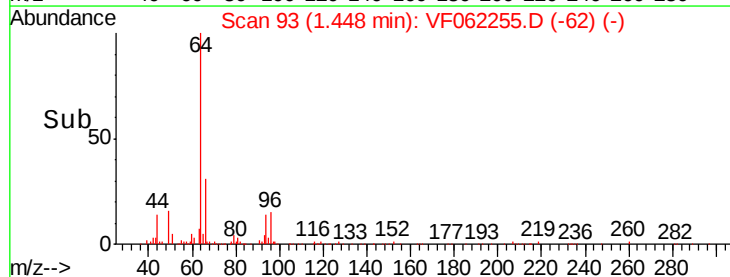
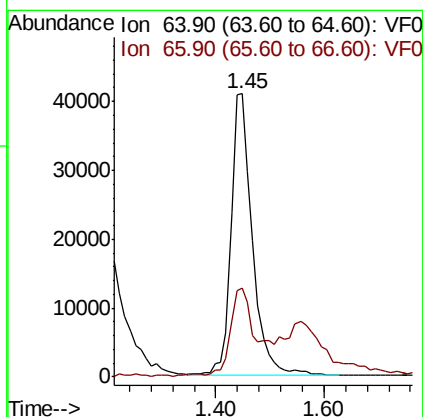
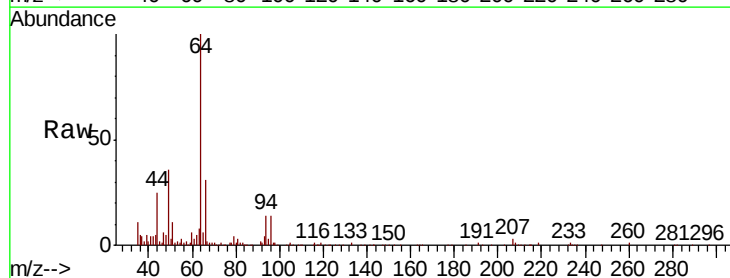
Acq: 22 Apr 2019 20:38

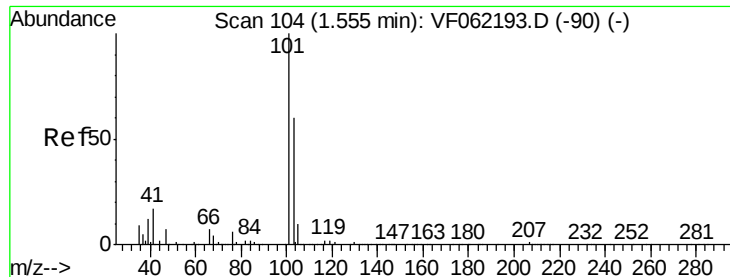
Tgt Ion: 64 Resp: 111983

Ion Ratio Lower Upper

64 100

66 30.5 27.0 40.4



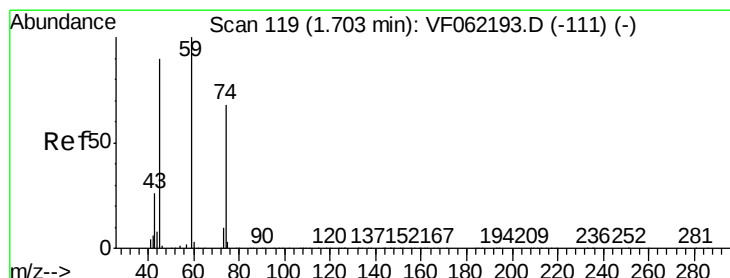
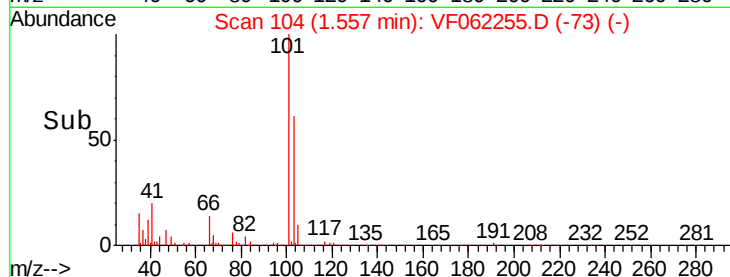
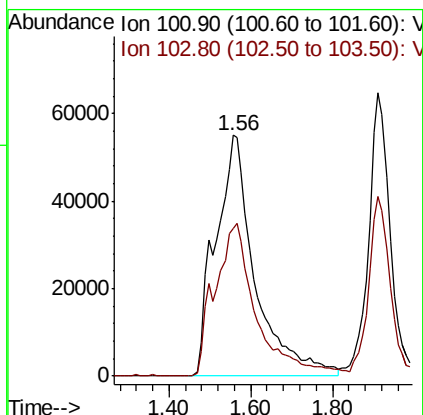
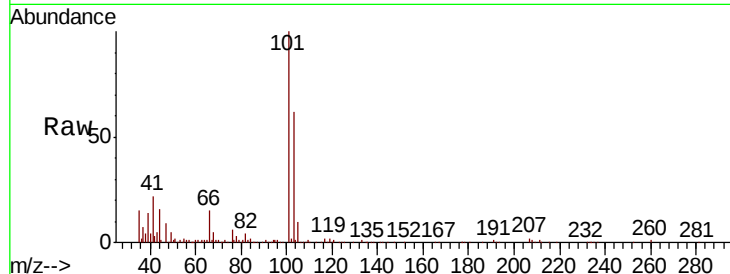


#7

Trichlorofluoromethane
Concen: 55.087 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062255.D
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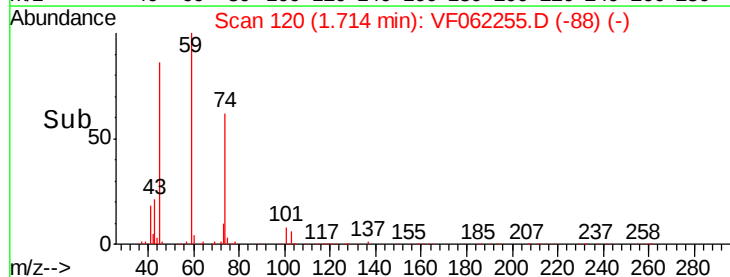
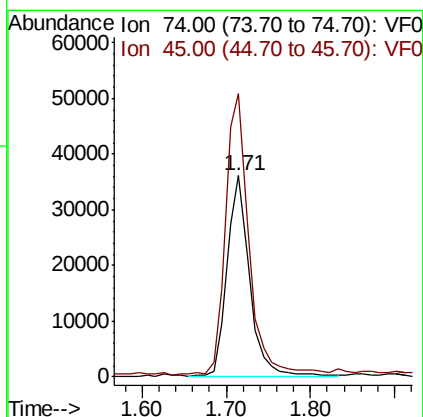
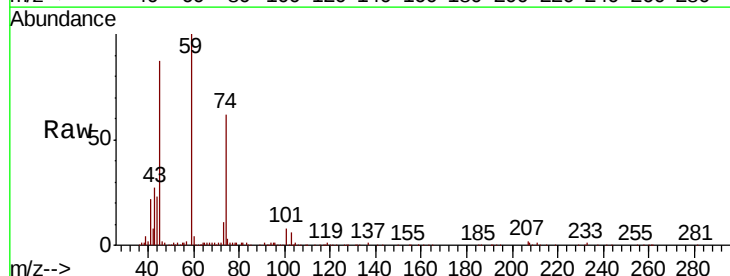
Tot Ion:101 Resp: 369981
Ion Ratio Lower Upper
101 100
103 61.4 48.2 72.4

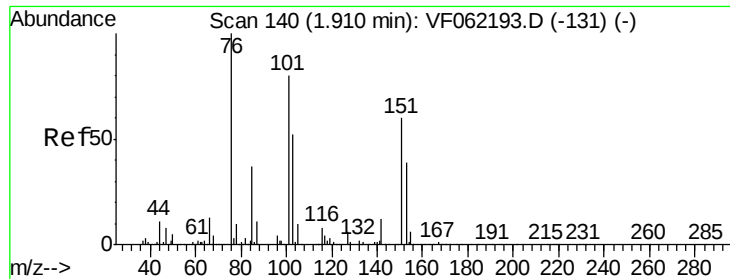


#8

Diethyl Ether
Concen: 48.046 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 74 Resp: 67162
Ion Ratio Lower Upper
74 100
45 142.2 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.250 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

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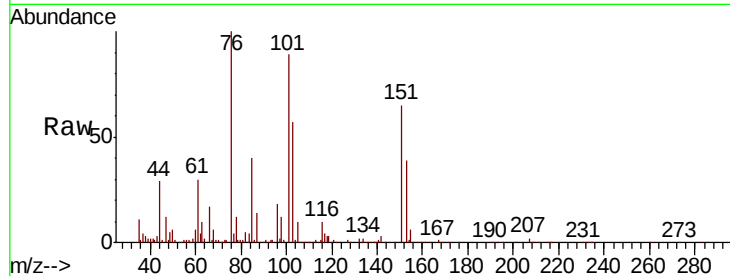
Tot Ion:101 Resp: 235150

Ion Ratio Lower Upper

101 100

85 44.7 35.3 52.9

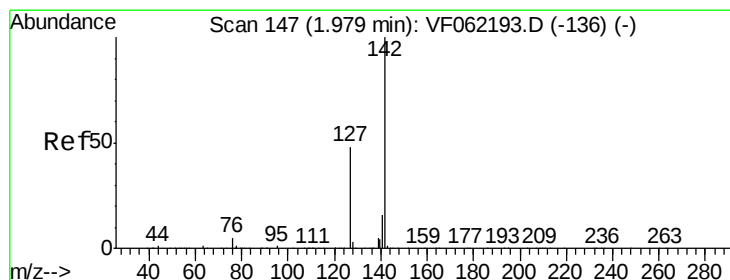
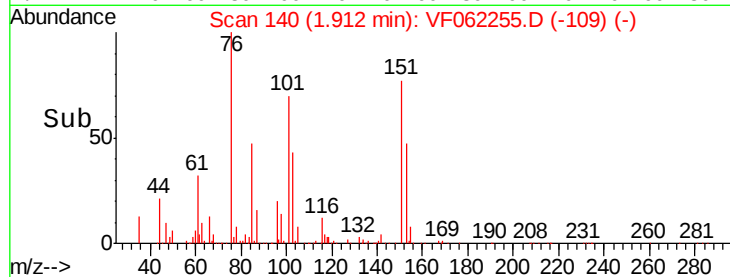
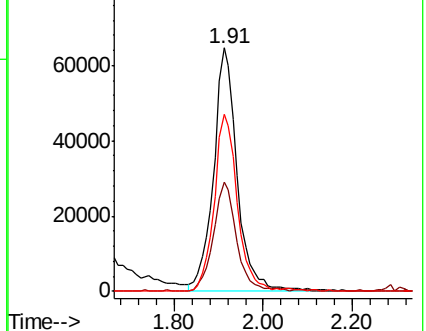
151 72.6 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.445 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

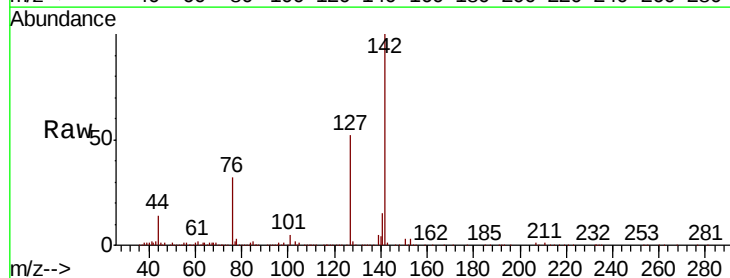
Tgt Ion:142 Resp: 419333

Ion Ratio Lower Upper

142 100

127 51.4 33.0 49.4#

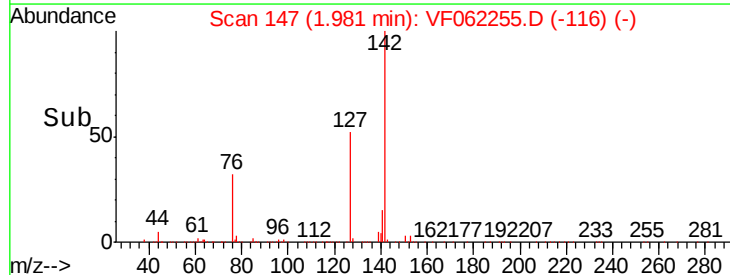
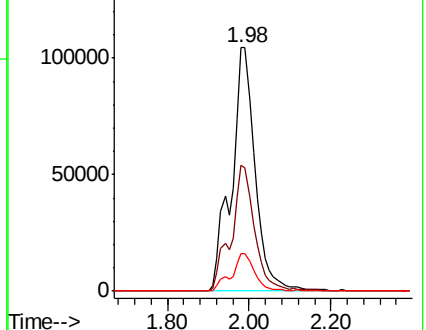
141 15.1 12.7 19.1

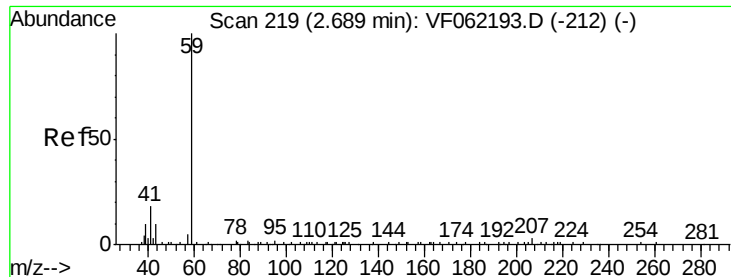


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



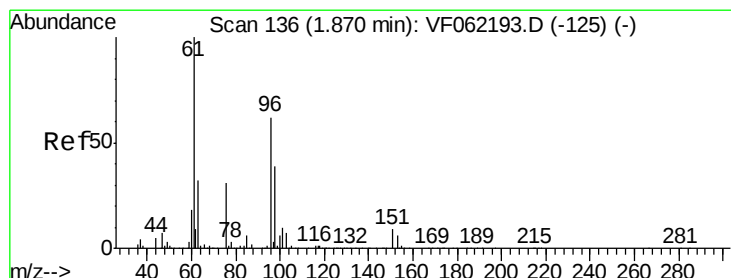
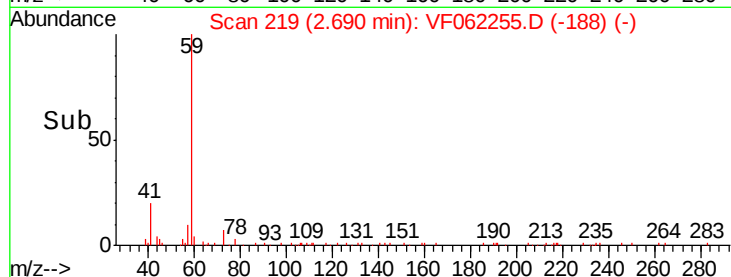
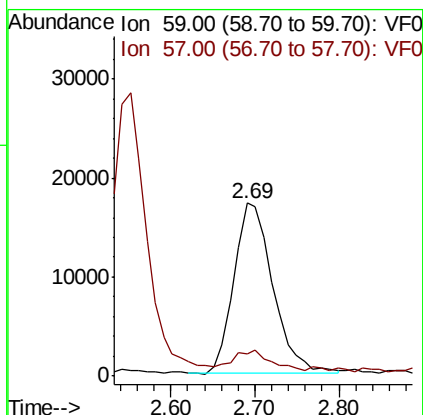
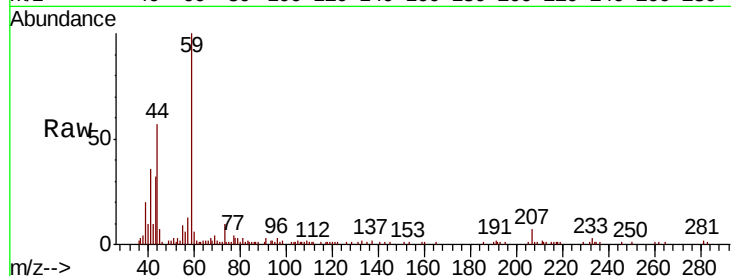


#11

Tert butyl alcohol
 Concen: 222.221 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

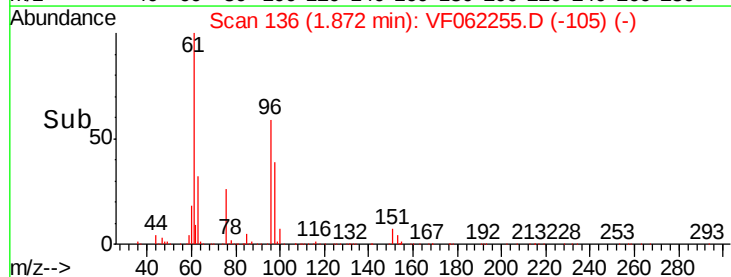
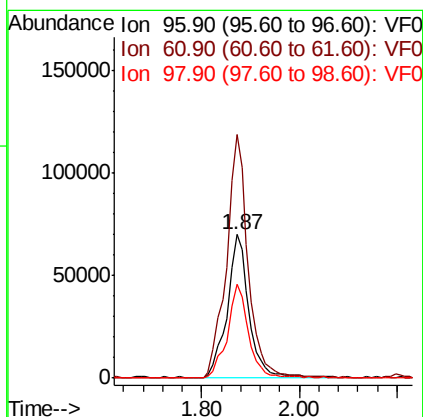
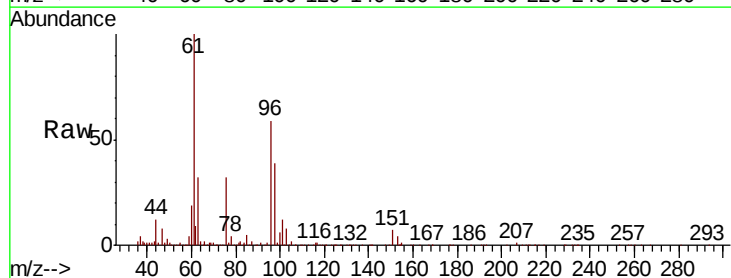
Tot Ion: 59 Resp: 55489
 Ion Ratio Lower Upper
 59 100
 57 13.1 9.3 13.9

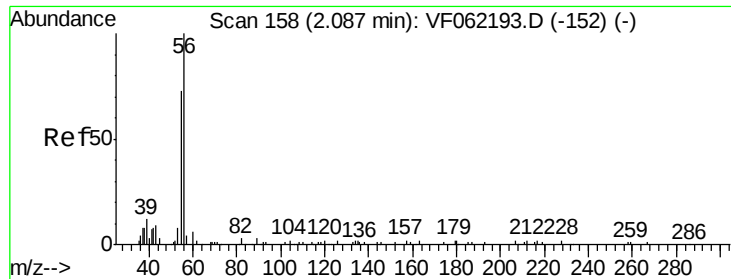


#12

1,1-Dichloroethene
 Concen: 49.182 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion: 96 Resp: 214633
 Ion Ratio Lower Upper
 96 100
 61 170.3 129.1 193.7
 98 65.5 50.0 75.0

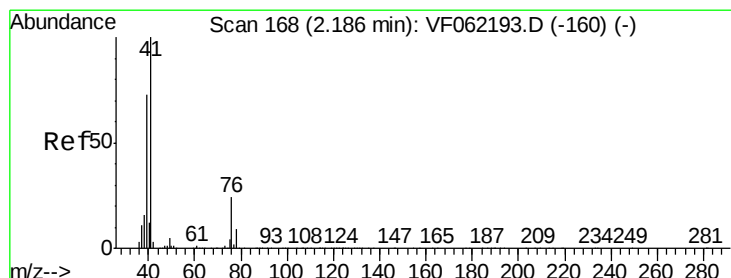
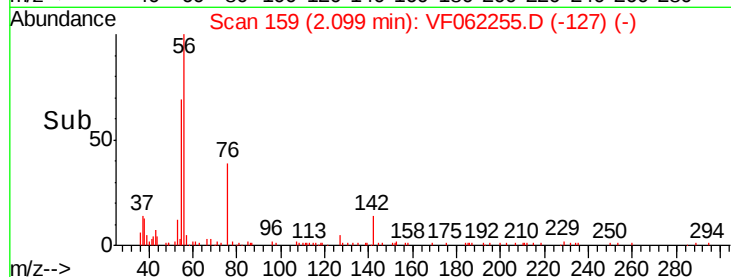
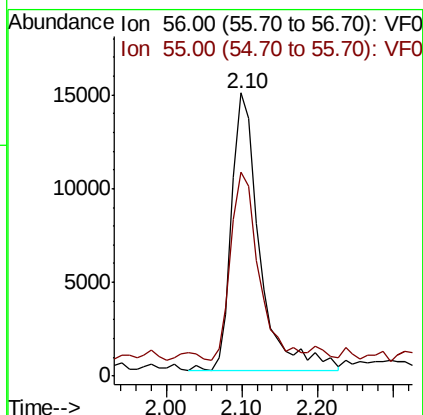
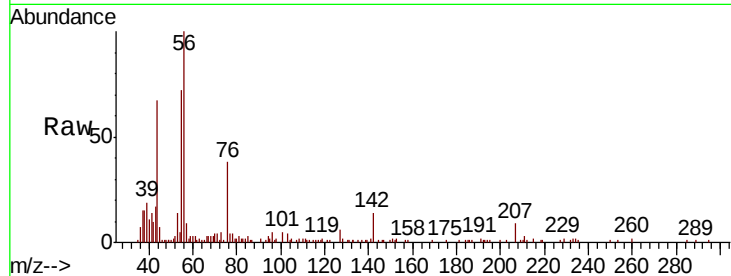




#13
Acrolein
Concen: 350.457 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

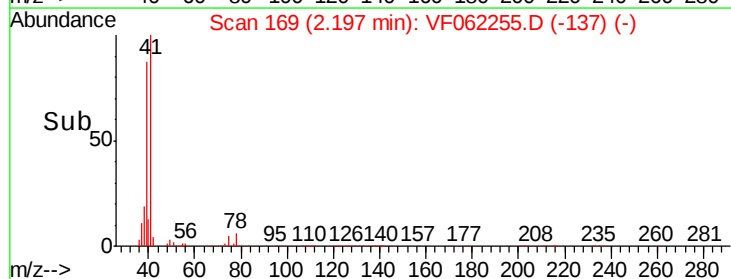
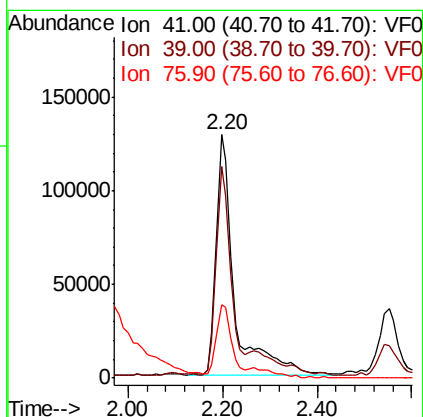
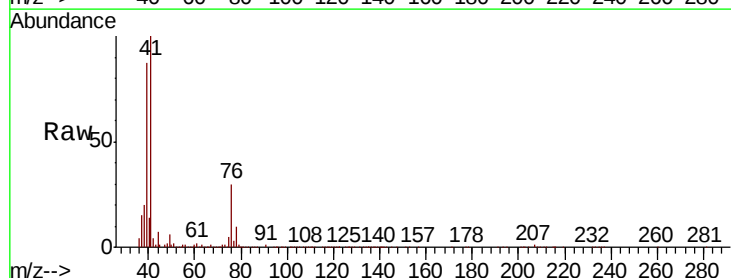
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

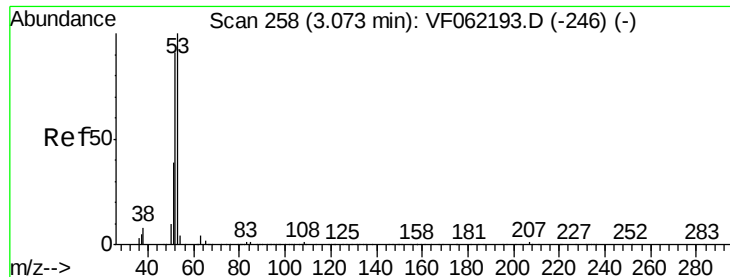
Tot Ion: 56 Resp: 38566
Ion Ratio Lower Upper
56 100
55 65.9 57.4 86.0



#14
Allyl chloride
Concen: 68.494 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 41 Resp: 343038
Ion Ratio Lower Upper
41 100
39 68.2 60.0 90.0
76 22.3 20.6 30.8





#15

Acrylonitrile

Concen: 230.838 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

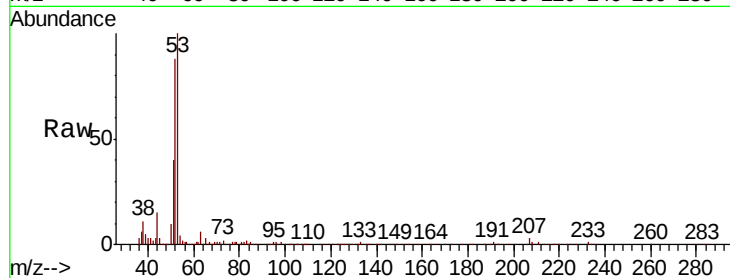
Tot Ion: 53 Resp: 175560

Ion Ratio Lower Upper

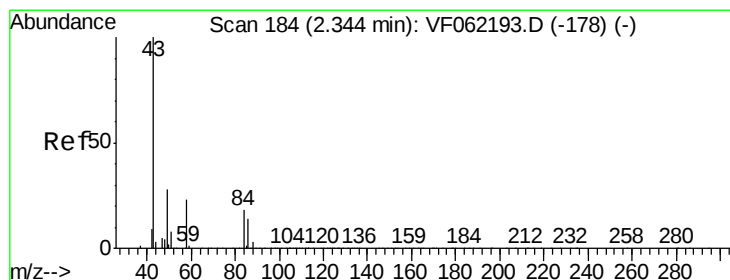
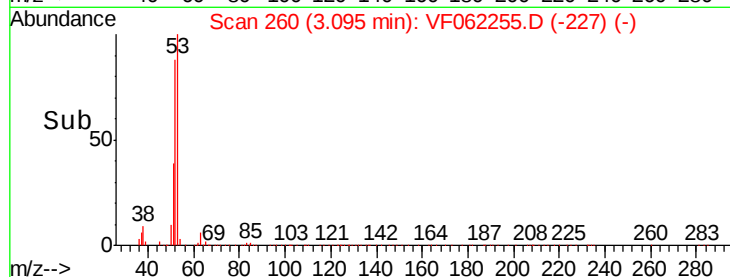
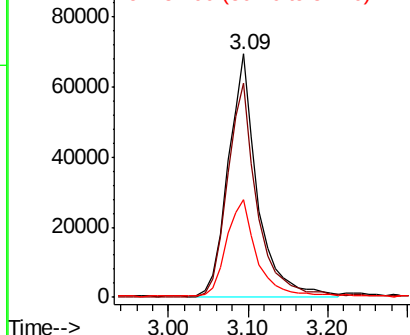
53 100

52 89.8 69.5 104.3

51 40.6 31.8 47.8



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: 229.700 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF062255.D

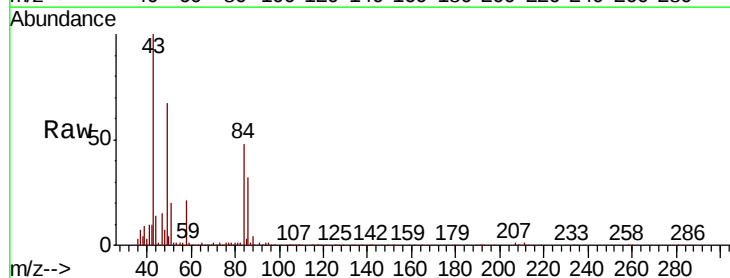
Acq: 22 Apr 2019 20:38

Tgt Ion: 43 Resp: 197230

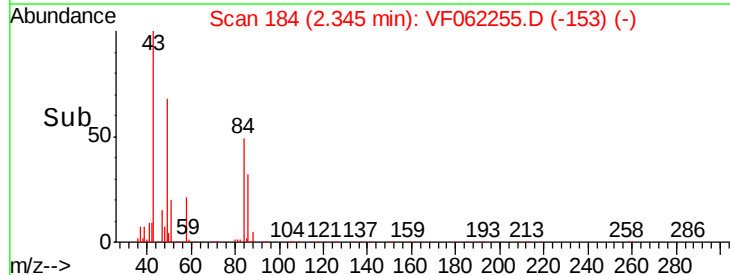
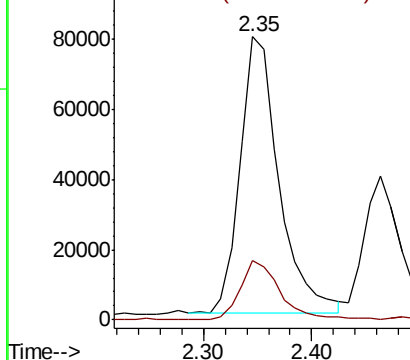
Ion Ratio Lower Upper

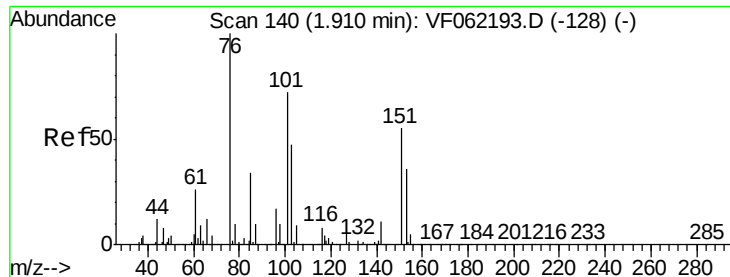
43 100

58 21.1 18.8 28.2



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

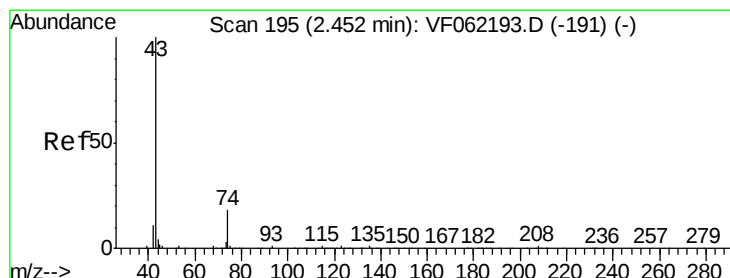
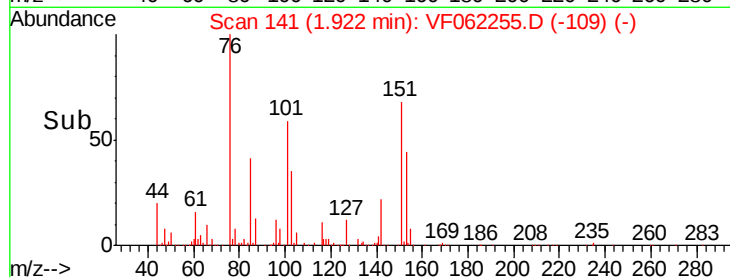
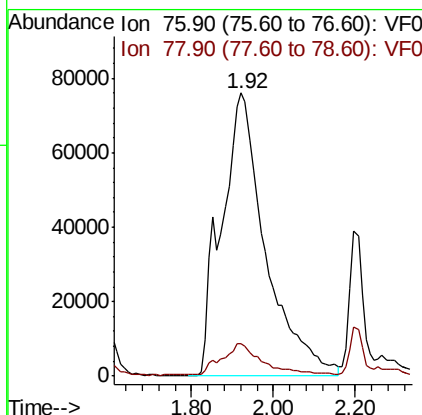
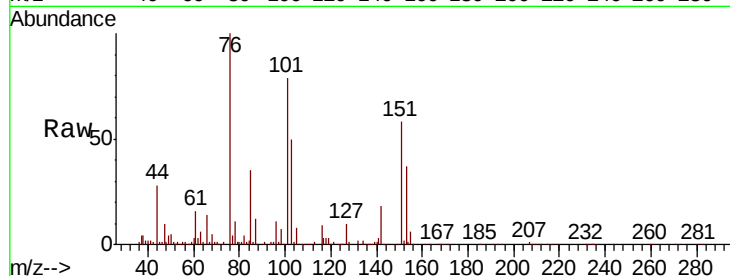




#17
Carbon Disulfide
Concen: 47.175 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

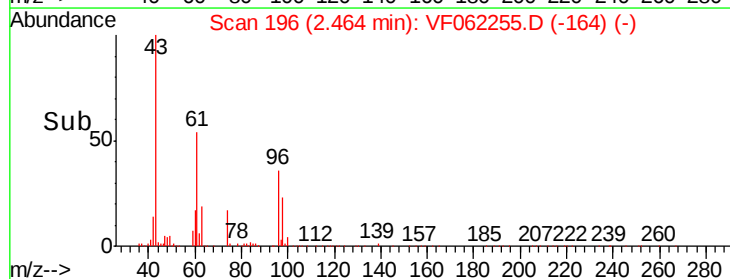
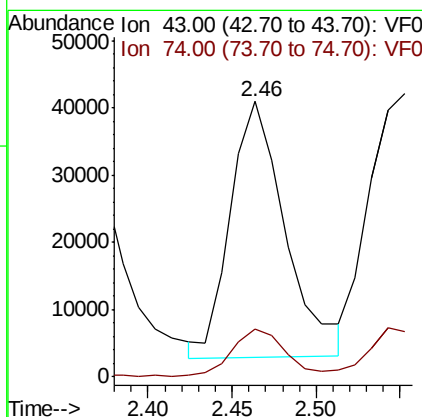
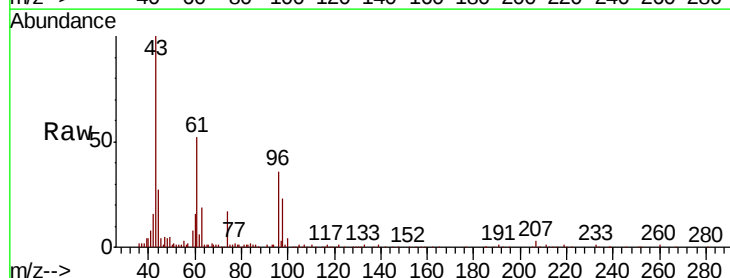
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

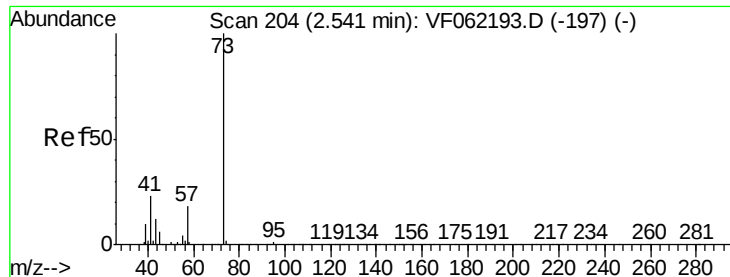
Tot Ion: 76 Resp: 572074
Ion Ratio Lower Upper
76 100
78 10.9 8.7 13.1



#18
Methyl Acetate
Concen: 46.380 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 43 Resp: 86570
Ion Ratio Lower Upper
43 100
74 17.7 14.5 21.7



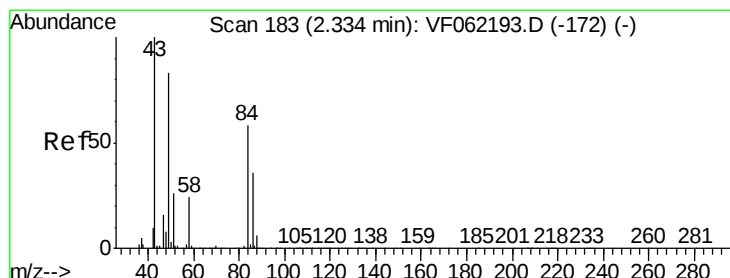
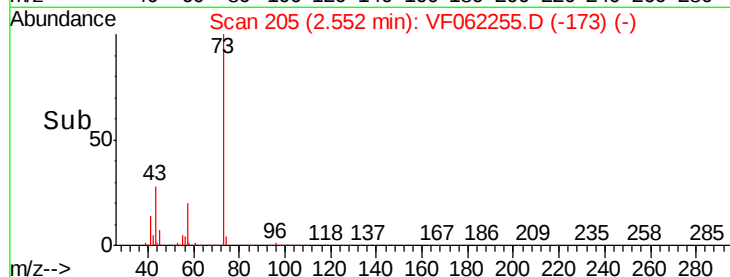
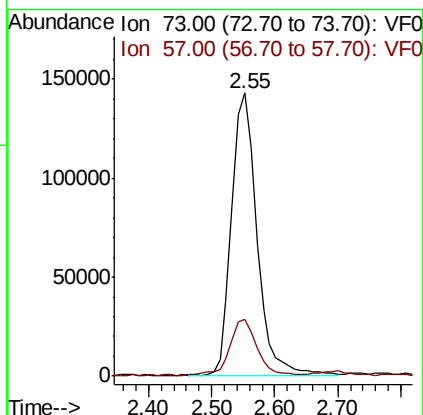
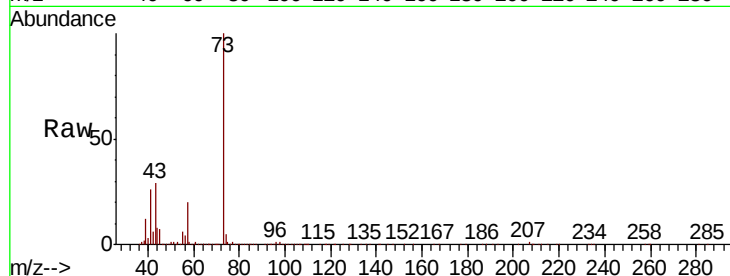


#19

Methyl tert-butyl Ether
 Concen: 52.374 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

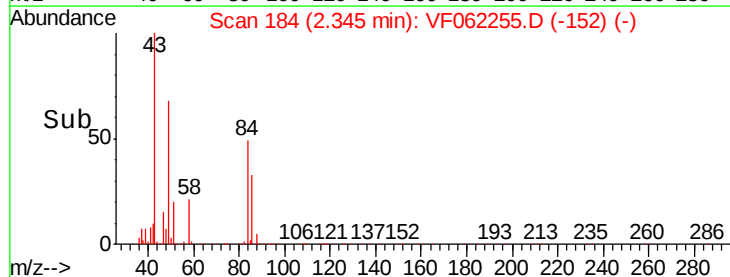
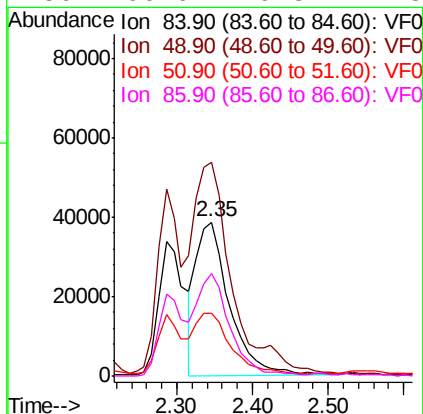
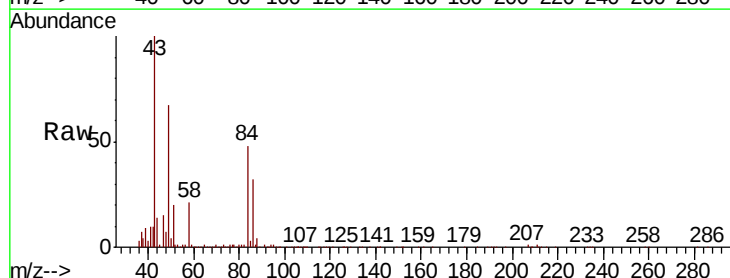
Tot Ion: 73 Resp: 403548
 Ion Ratio Lower Upper
 73 100
 57 19.5 15.1 22.7

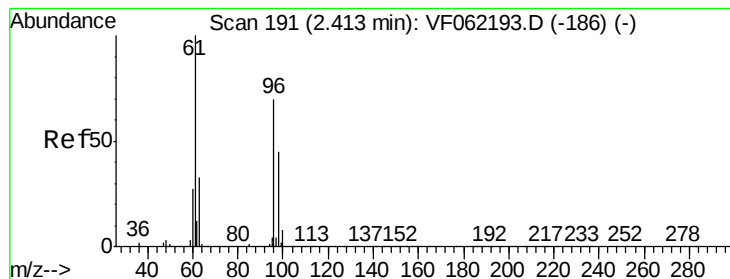


#20

Methylene Chloride
 Concen: 24.974 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion: 84 Resp: 118534
 Ion Ratio Lower Upper
 84 100
 49 137.8 114.0 171.0
 51 39.9 37.0 55.4
 86 66.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.659 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

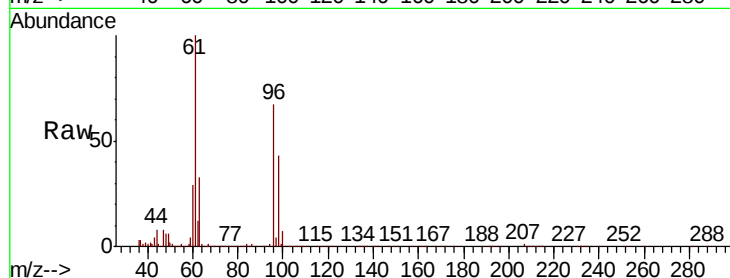
Tot Ion: 96 Resp: 209997

Ion Ratio Lower Upper

96 100

61 150.2 114.6 172.0

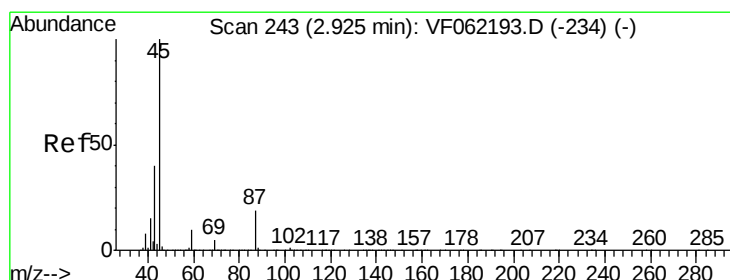
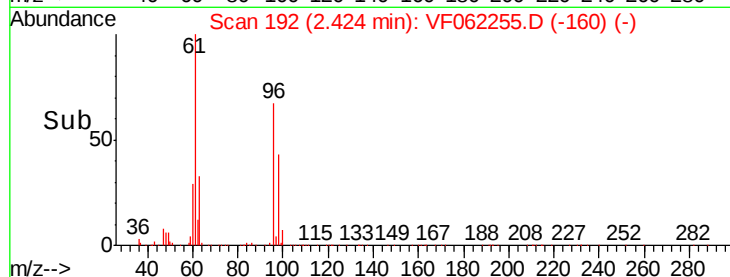
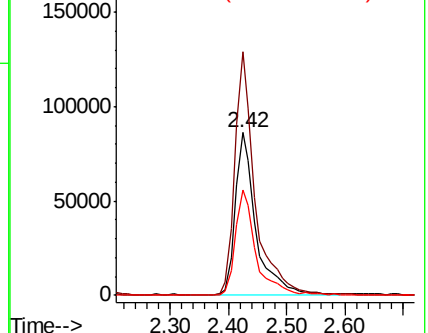
98 65.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 47.771 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion: 45 Resp: 612007

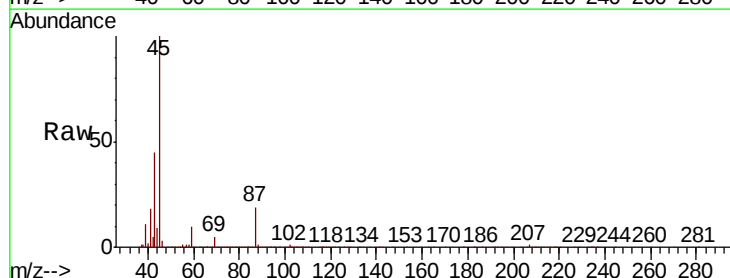
Ion Ratio Lower Upper

45 100

43 43.8 32.8 49.2

87 19.2 15.2 22.8

59 9.4 7.8 11.6

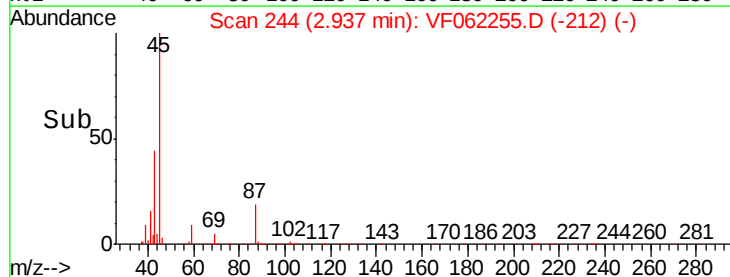
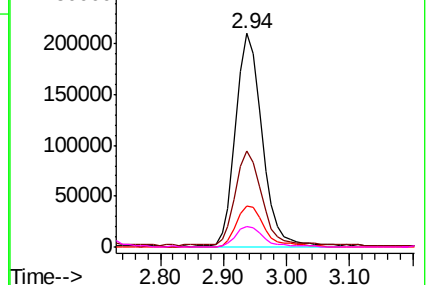


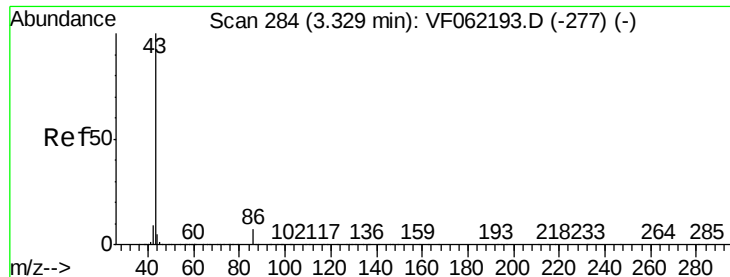
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 220.374 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

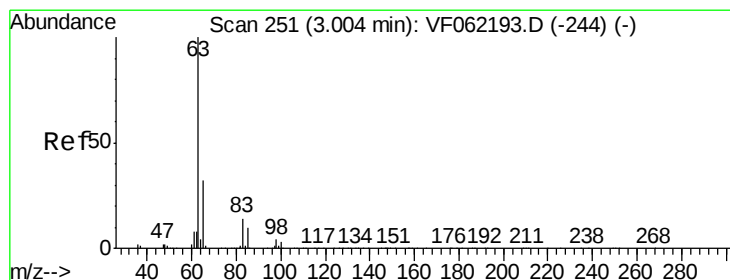
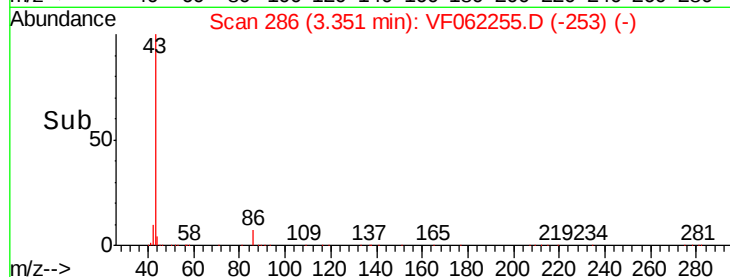
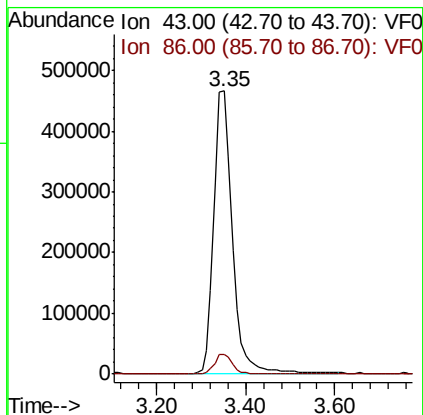
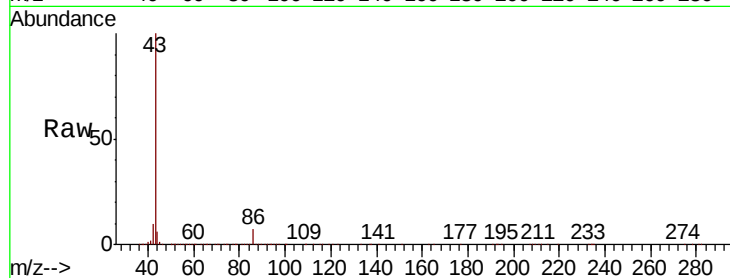
VSTDCCC050EC

Tot Ion: 43 Resp: 1345145

Ion Ratio Lower Upper

43 100

86 7.0 5.9 8.9



#24

1,1-Dichloroethane

Concen: 50.585 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

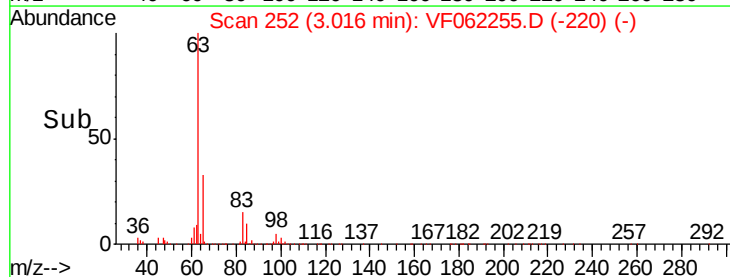
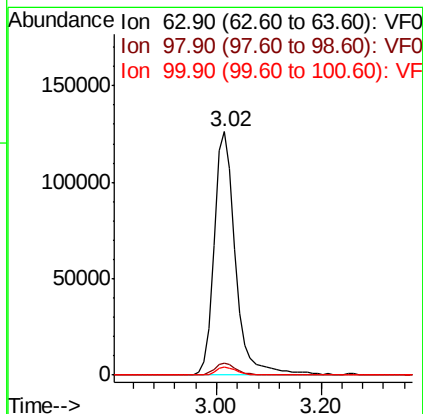
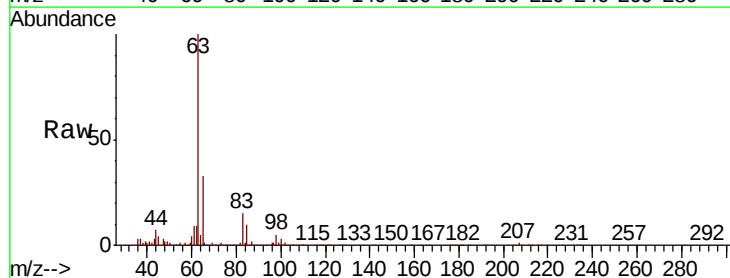
Tgt Ion: 63 Resp: 354511

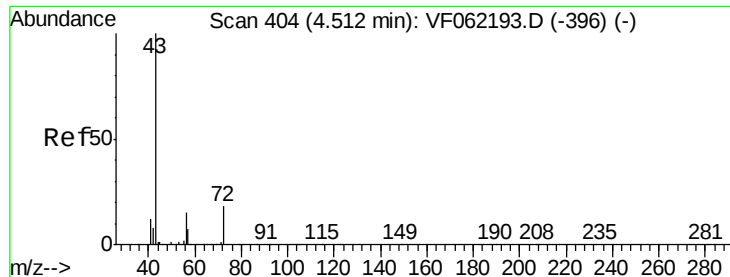
Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.8

100 3.1 1.7 5.0





#25

2-Butanone

Concen: 200.852 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

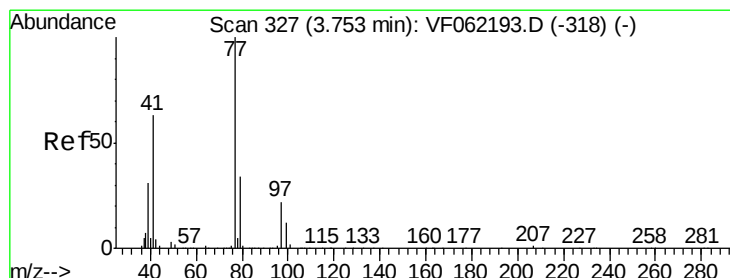
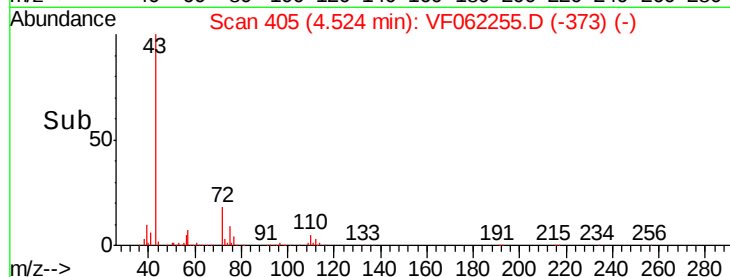
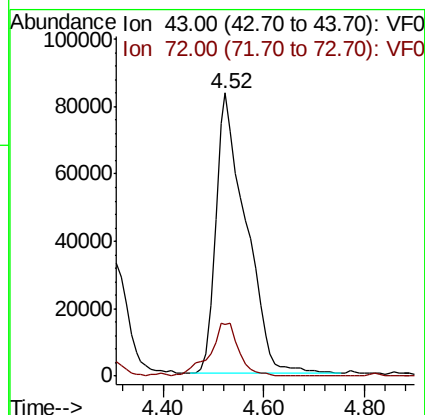
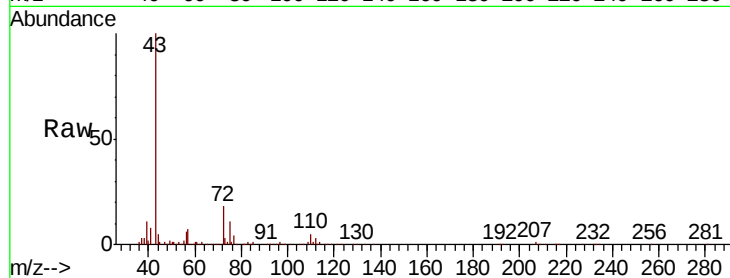
VSTDCCC050EC

Tot Ion: 43 Resp: 344842

Ion Ratio Lower Upper

43 100

72 18.4 16.1 24.1



#26

2,2-Dichloropropane

Concen: 49.254 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF062255.D

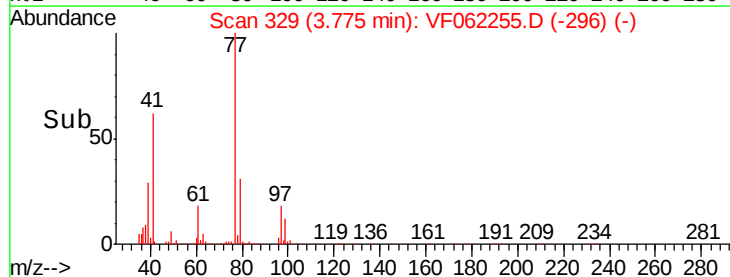
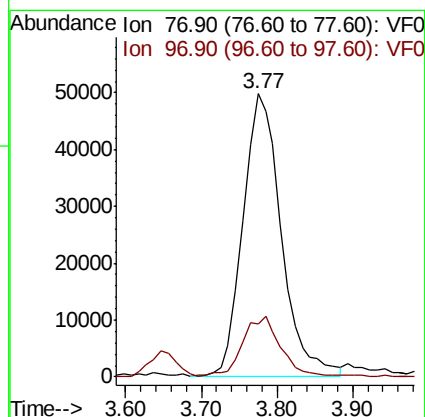
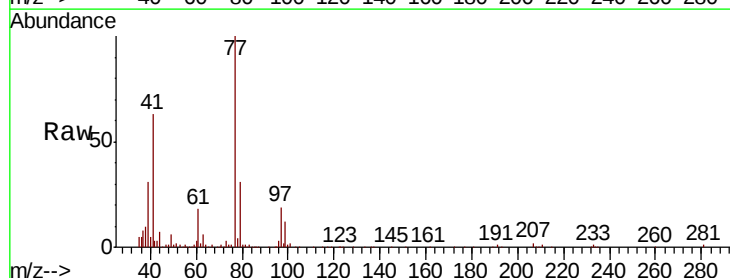
Acq: 22 Apr 2019 20:38

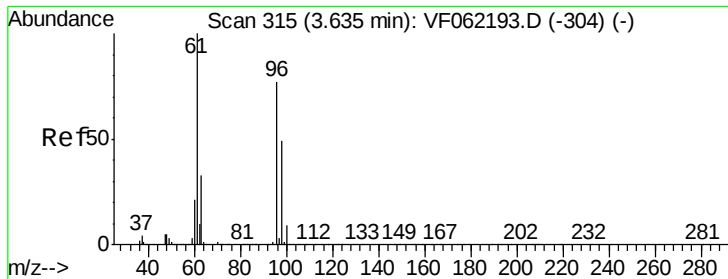
Tgt Ion: 77 Resp: 174272

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3



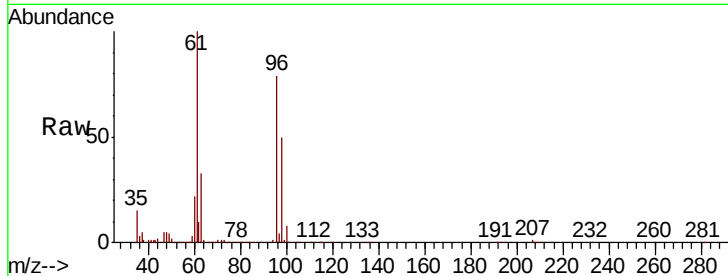


#27

cis-1,2-Dichloroethene
Concen: 48.800 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	96	Resp	272733
Ion Ratio	Lower	Upper	
96	100		
61	121.7	0.0	253.6
98	63.9	0.0	124.8

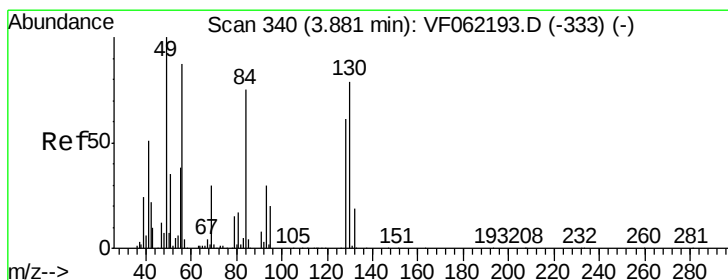
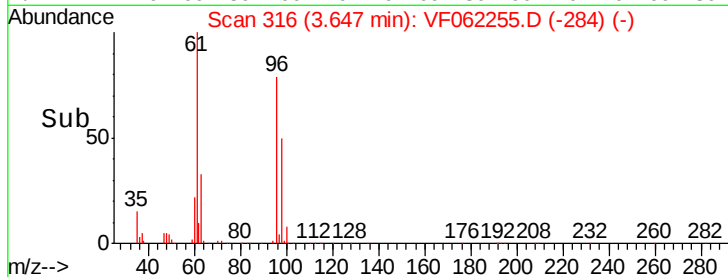
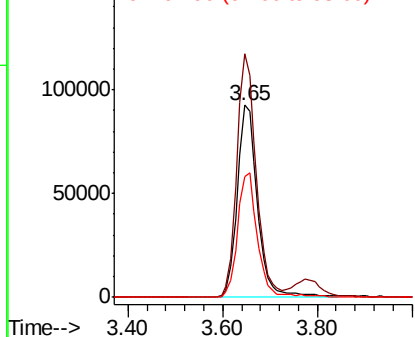


Abundance

Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

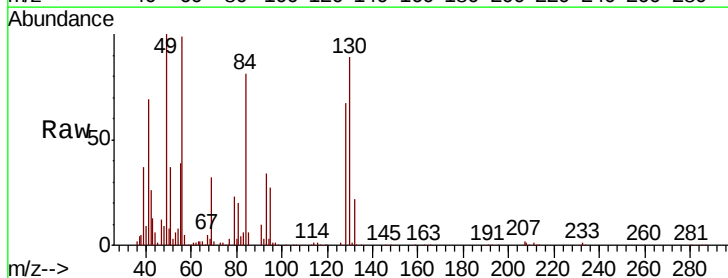
Ion 97.90 (97.60 to 98.60): VF0



#28

Bromochloromethane
Concen: 44.139 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion	49	Resp	148180
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	0.0#
130	0.0	66.6	100.0#

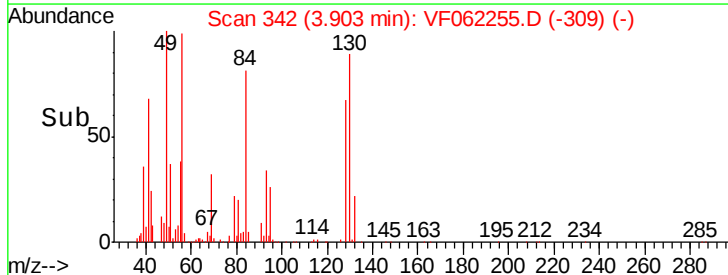
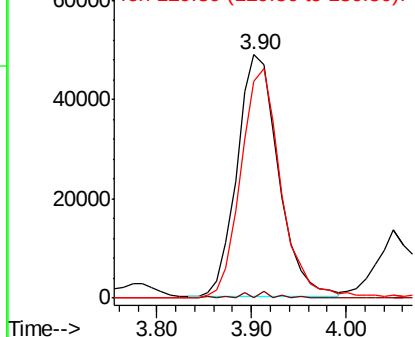


Abundance

Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

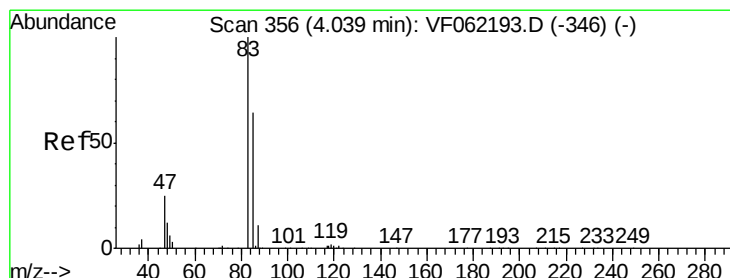
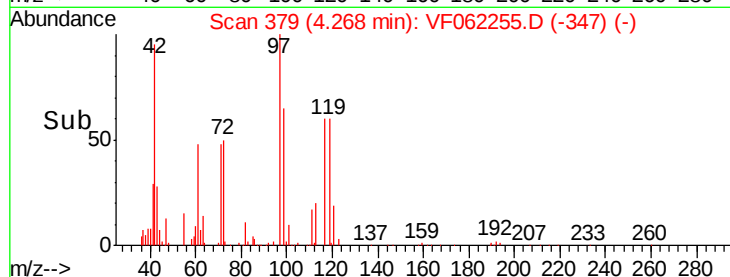
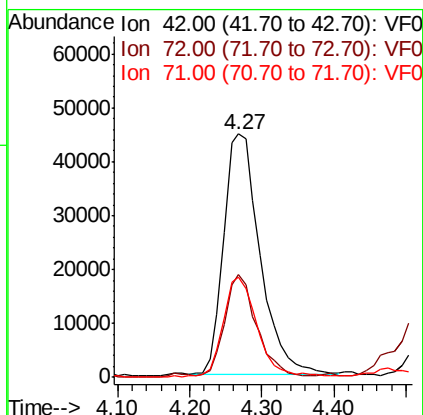
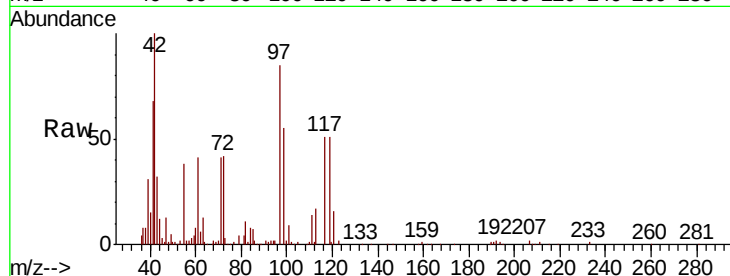




#29
Tetrahydrofuran
Concen: 200.738 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

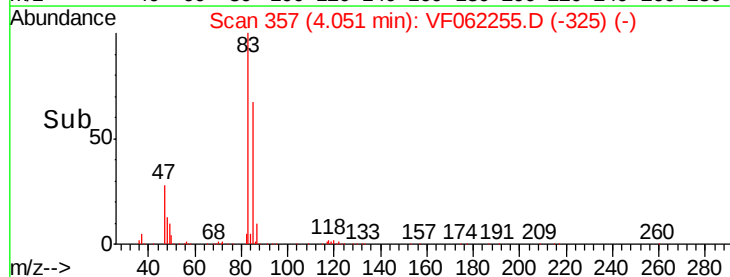
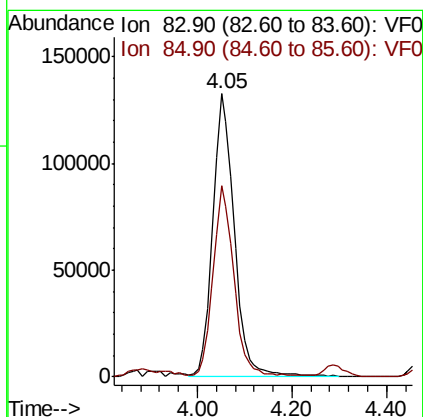
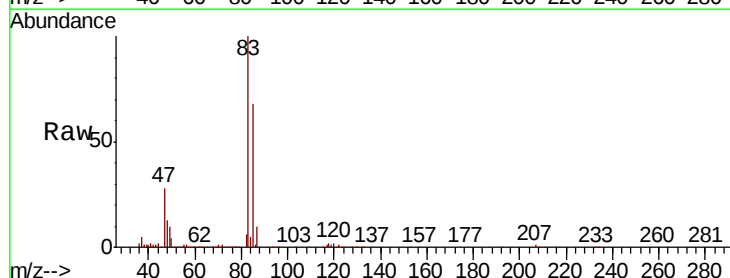
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

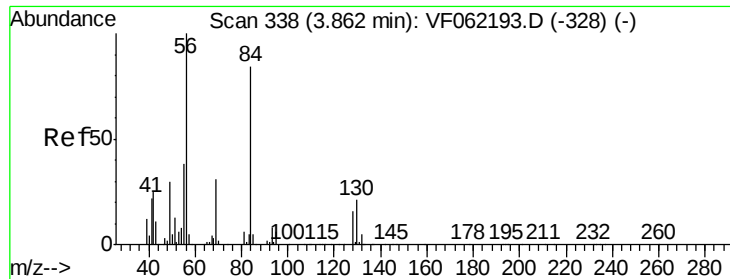
Tot Ion: 42 Resp: 155999
Ion Ratio Lower Upper
42 100
72 36.0 28.6 43.0
71 39.7 29.2 43.8



#30
Chloroform
Concen: 48.328 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 83 Resp: 416242
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.8

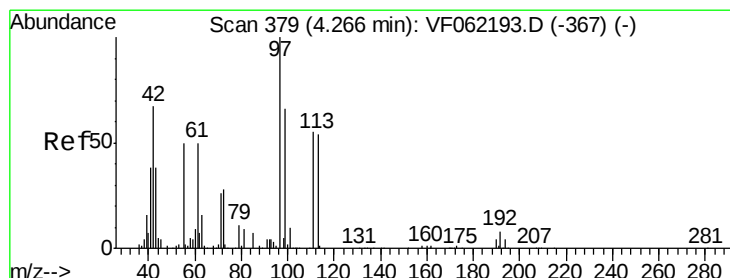
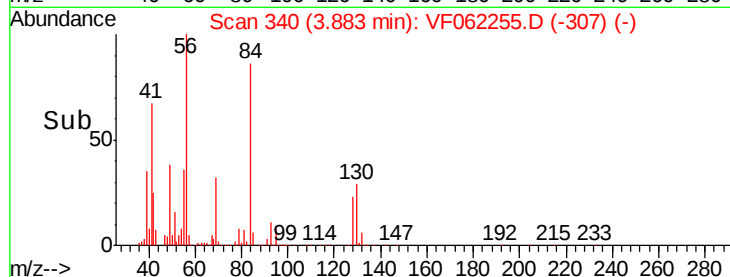
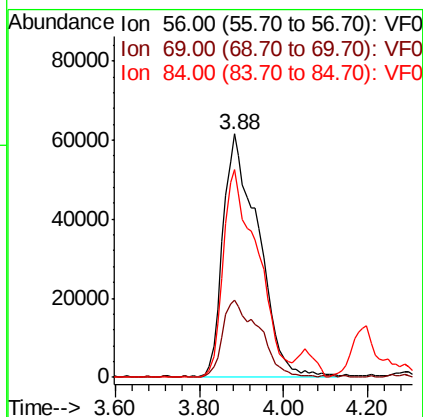
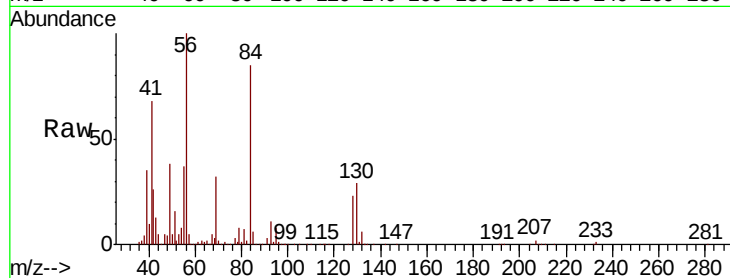




#31
Cyclohexane
Concen: 42.365 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

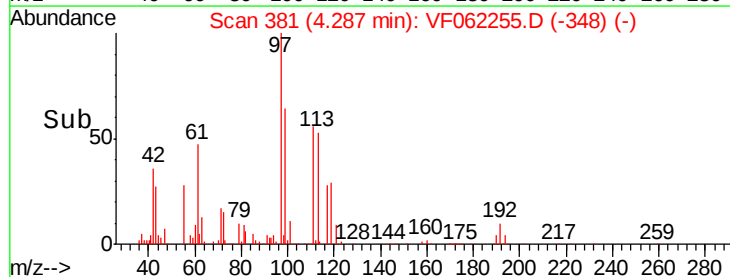
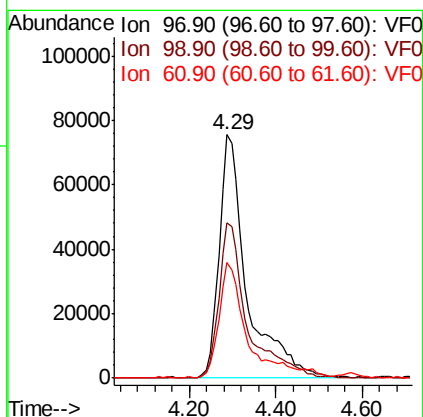
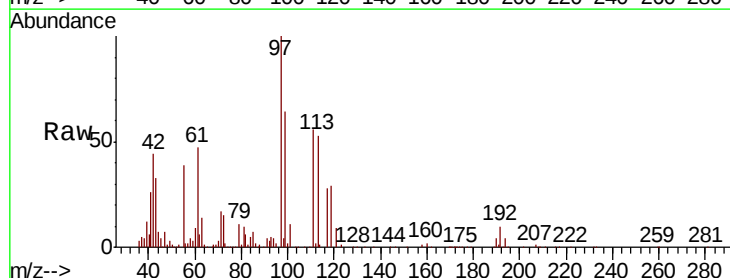
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

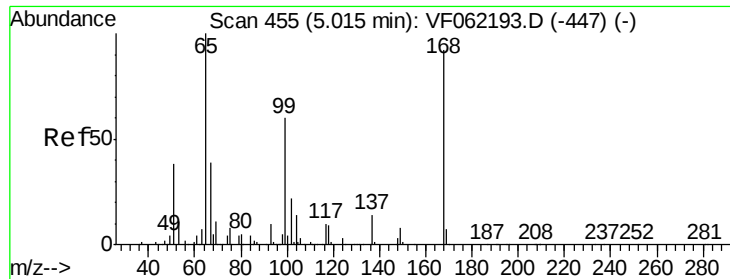
Tot Ion: 56 Resp: 355810
Ion Ratio Lower Upper
56 100
69 31.9 25.1 37.7
84 85.1 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 53.728 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 97 Resp: 338729
Ion Ratio Lower Upper
97 100
99 64.7 52.7 79.1
61 45.7 53.0 79.4#





#33

1,2-Dichloroethane-d4

Concen: 53.728 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

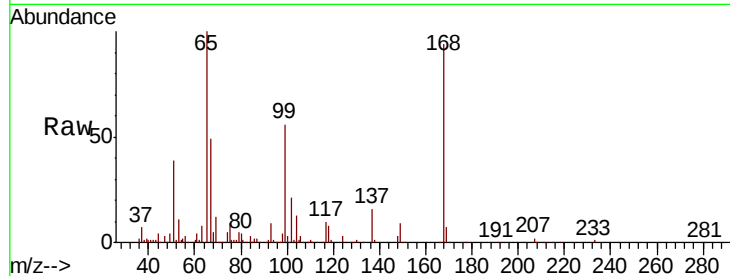
VSTDCCC050EC

Tot Ion: 65 Resp: 198810

Ion Ratio Lower Upper

65 100

67 50.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.04

80000

60000

40000

20000

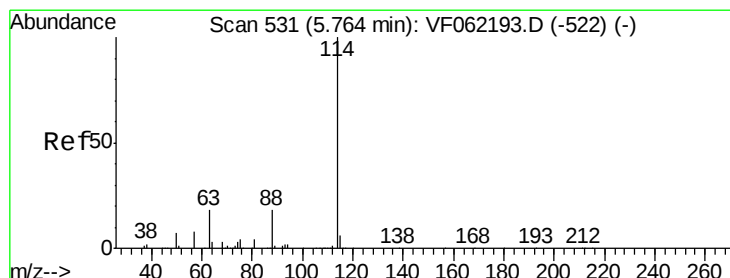
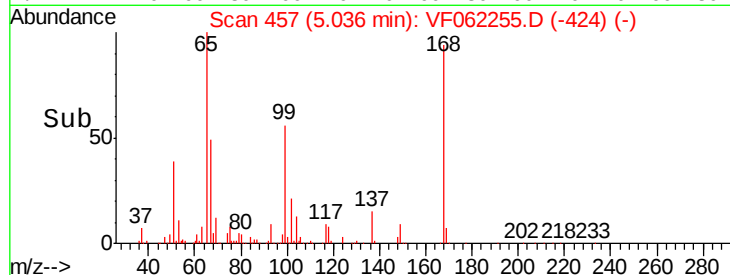
0

Time-->

4.90

5.00

5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

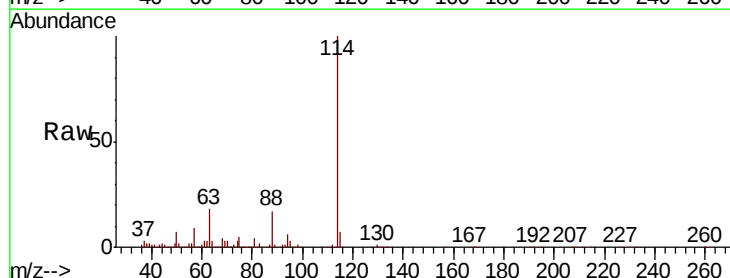
Tgt Ion: 114 Resp: 533295

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 17.3 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

250000

200000

150000

100000

50000

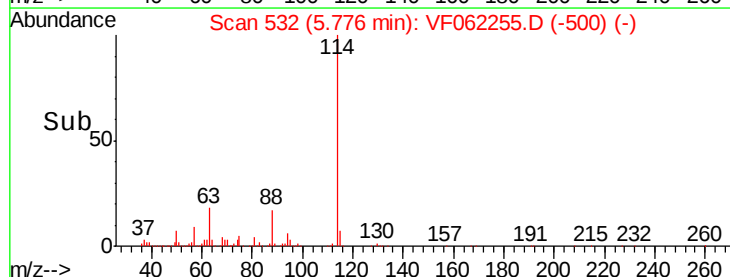
0

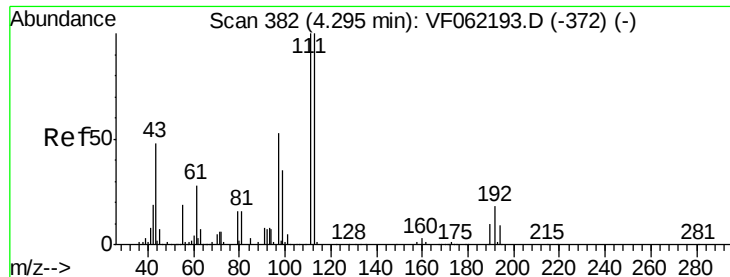
Time-->

5.60

5.80

6.00





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

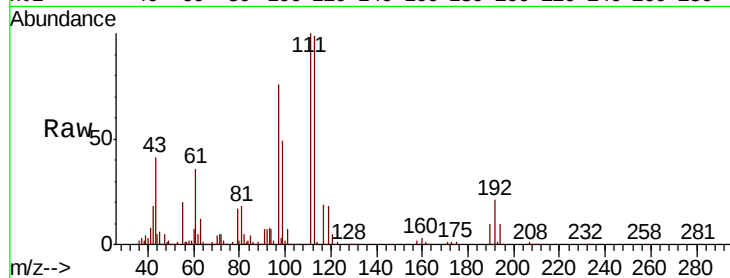
Tot Ion:113 Resp: 256492

Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.1	121.7
192	20.0	14.7	22.1

113 100

111 100.1 81.1 121.7

192 20.0 14.7 22.1

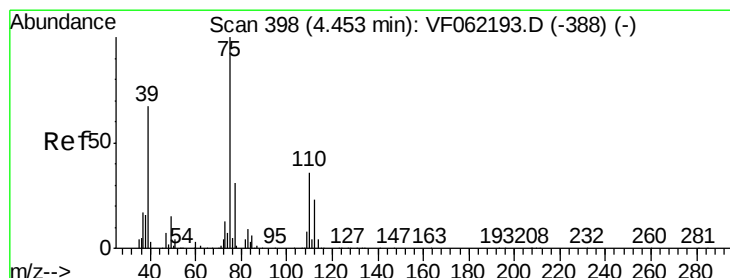
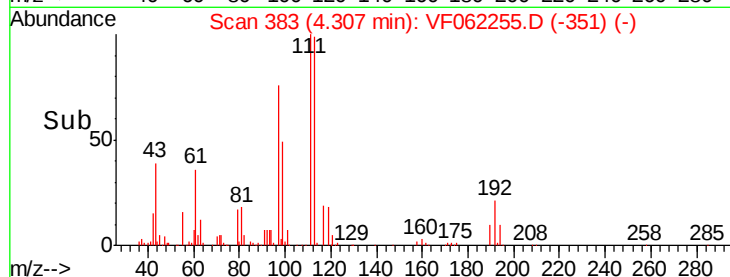
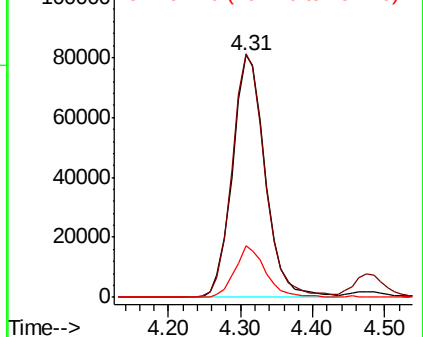


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.750 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

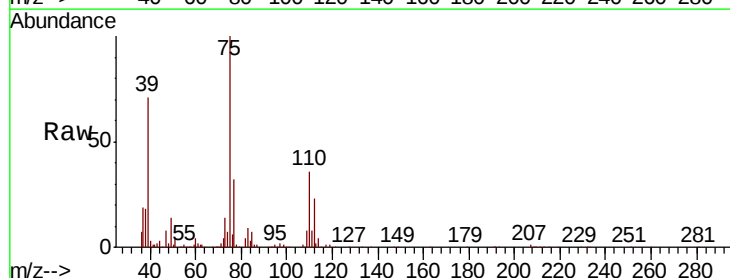
Tgt Ion: 75 Resp: 311702

Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.2
77	32.4	25.4	38.2

75 100

110 36.4 18.4 55.2

77 32.4 25.4 38.2

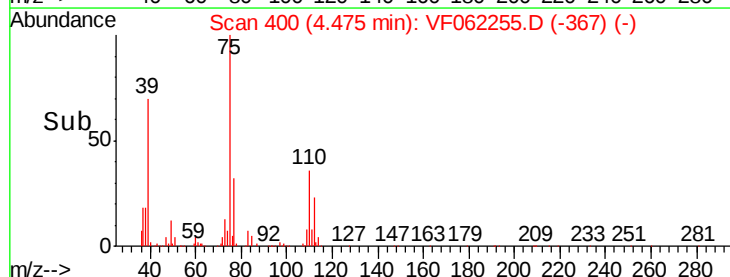
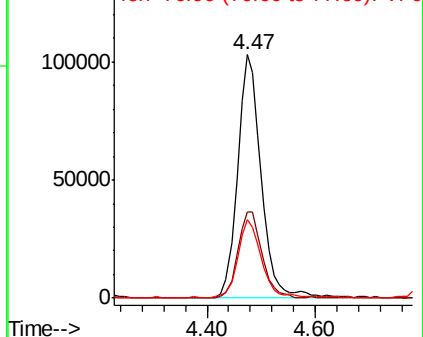


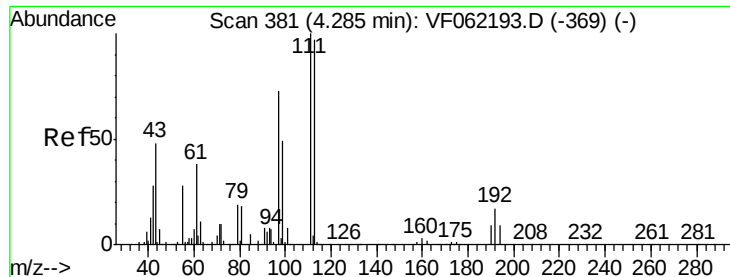
Abundance

Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

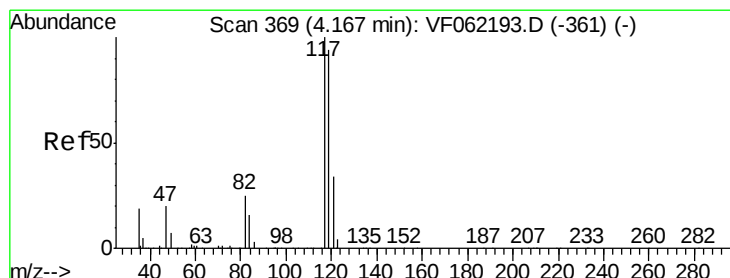
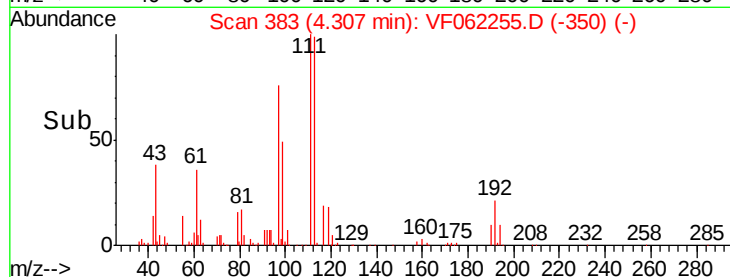
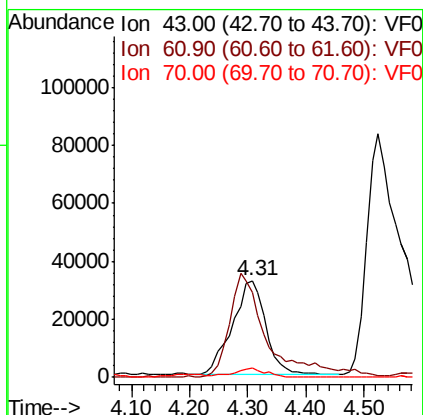
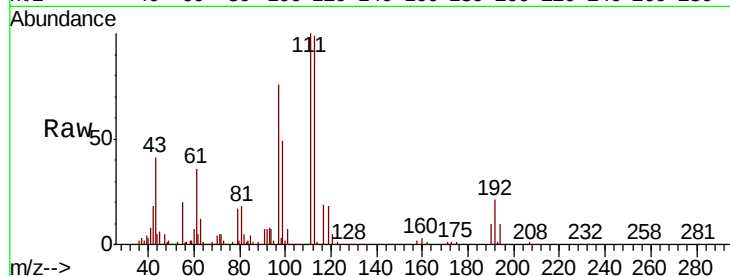




#37
Ethyl Acetate
Concen: 42.915 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

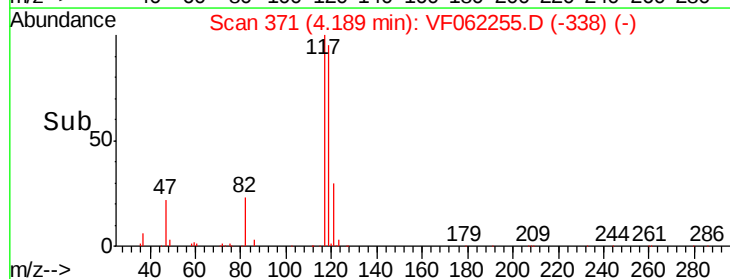
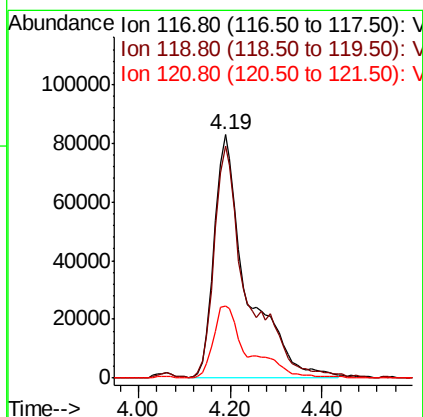
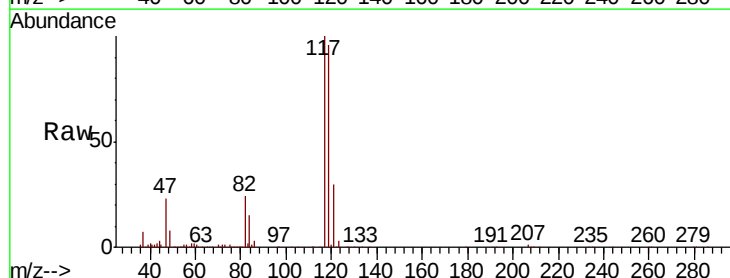
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

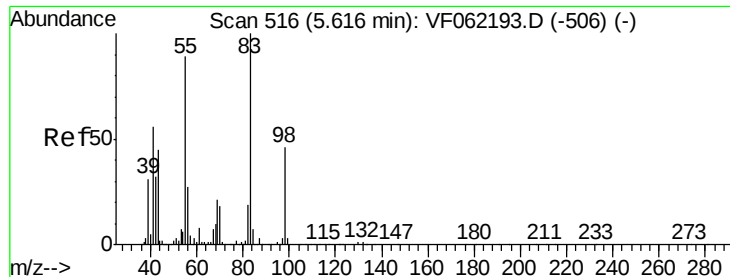
Tot Ion: 43 Resp: 129481
Ion Ratio Lower Upper
43 100
61 119.5 0.0 0.0#
70 8.2 7.8 11.6



#38
Carbon Tetrachloride
Concen: 71.500 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion:117 Resp: 404655
Ion Ratio Lower Upper
117 100
119 95.7 75.0 112.4
121 29.9 26.9 40.3

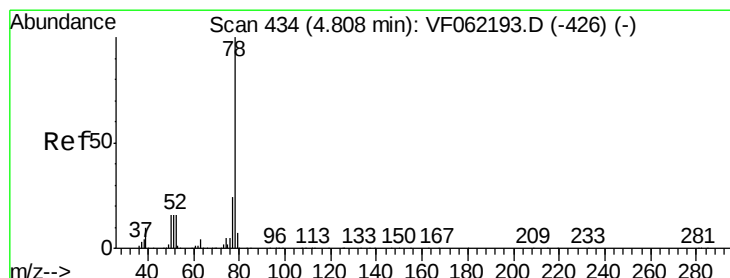
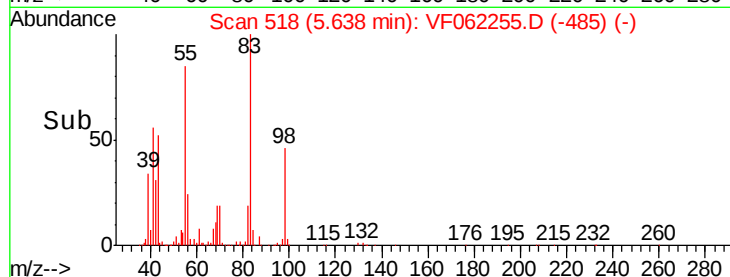
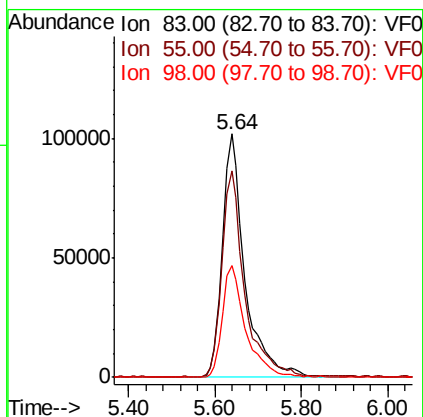
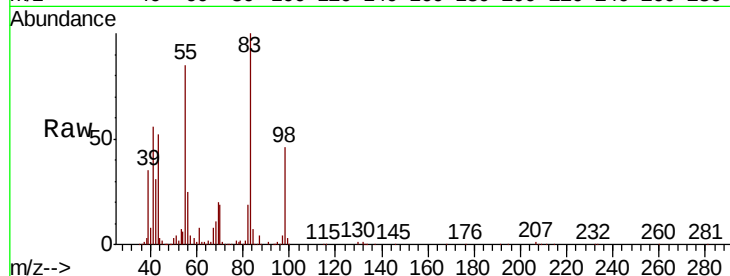




#39
Methvlcvclohexane
Concen: 48.254 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

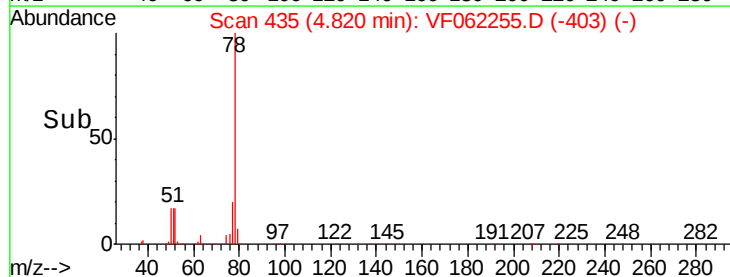
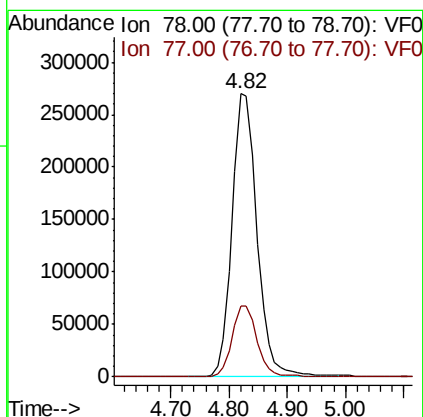
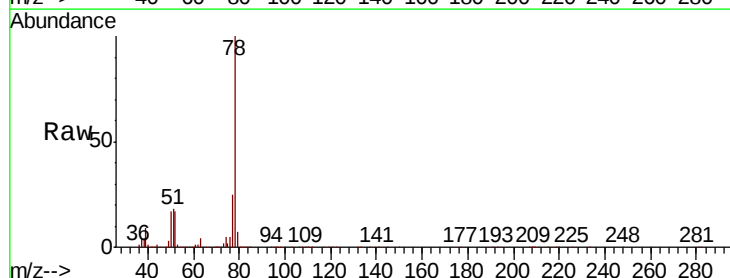
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

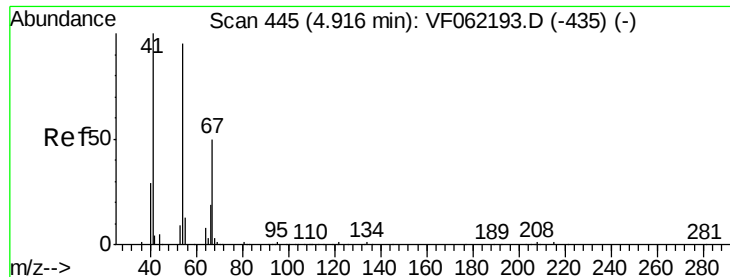
Tot Ion: 83 Resp: 369409
Ion Ratio Lower Upper
83 100
55 84.4 71.0 106.6
98 45.7 36.7 55.1



#40
Benzene
Concen: 48.158 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 78 Resp: 807647
Ion Ratio Lower Upper
78 100
77 24.8 18.9 28.3





#41

Methacrylonitrile

Concen: 47.688 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 82995

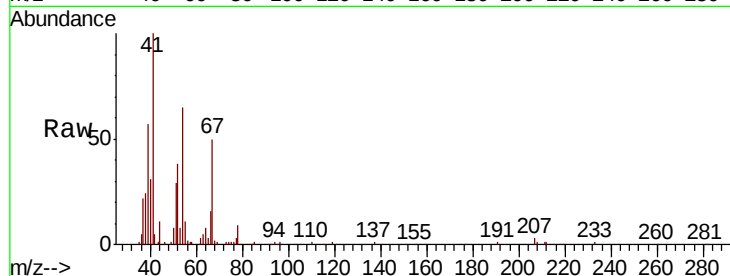
Ion Ratio Lower Upper

41 100

39 62.1 44.7 67.1

67 50.8 39.1 58.7

52 55.0 49.8 74.8

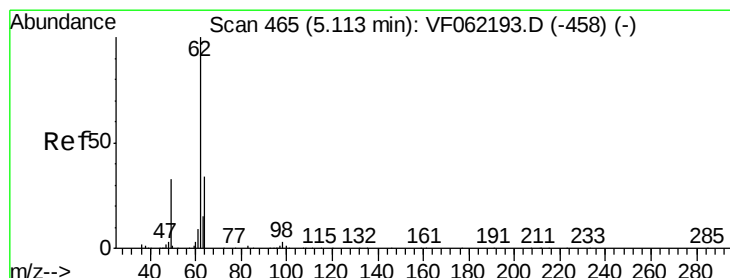
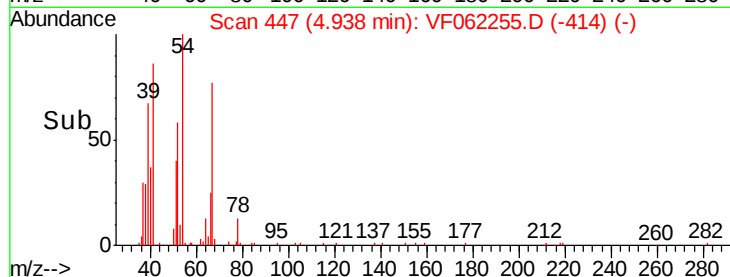
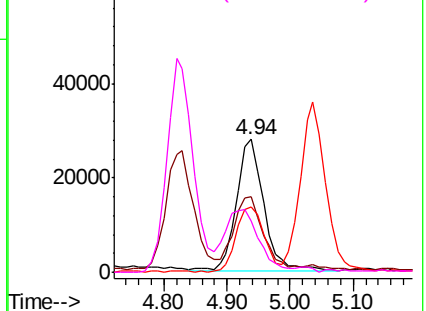


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 50.749 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.02 min

Lab File: VF062255.D

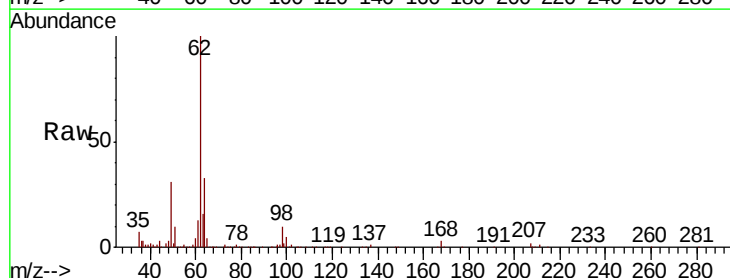
Acq: 22 Apr 2019 20:38

Tgt Ion: 62 Resp: 225002

Ion Ratio Lower Upper

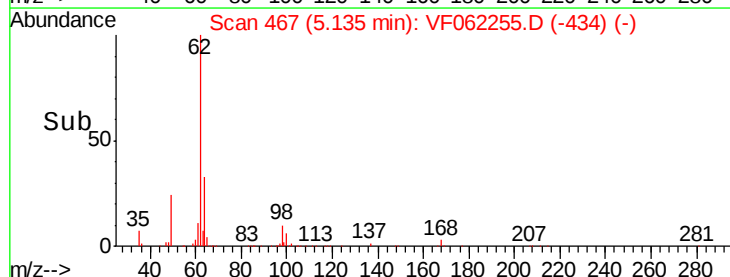
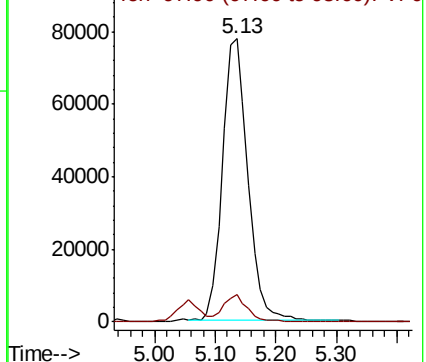
62 100

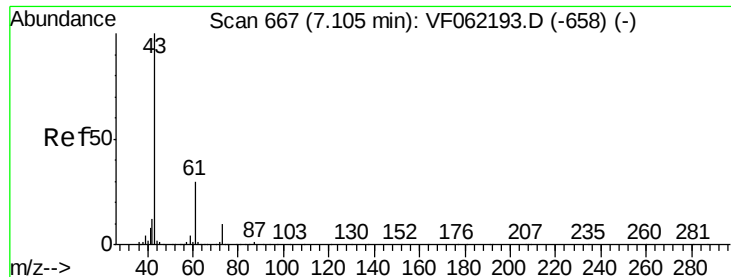
98 9.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



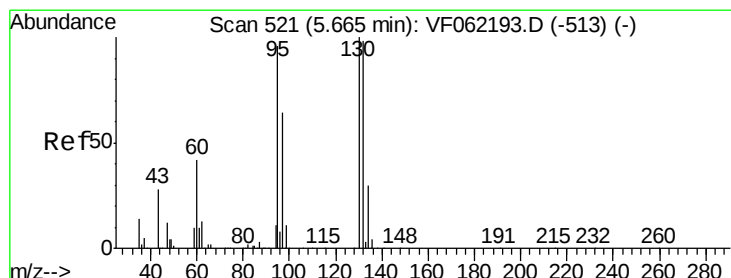
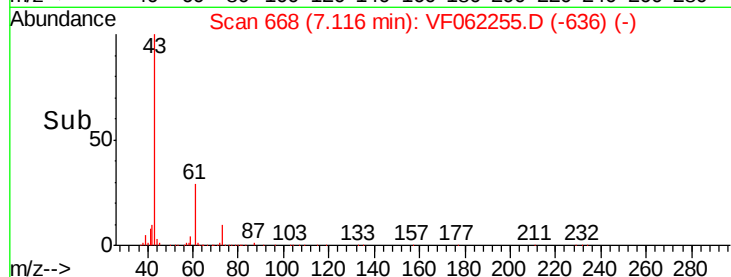
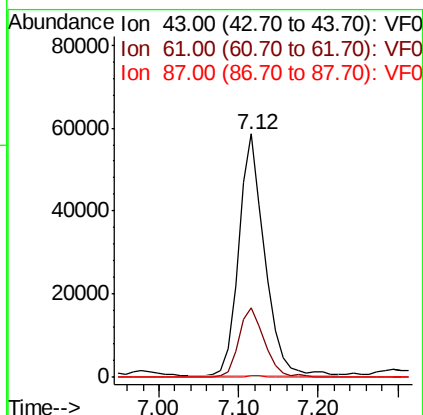
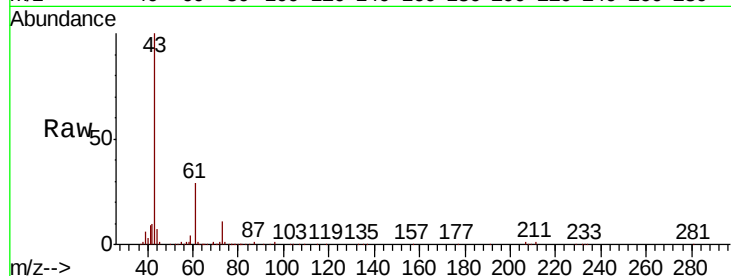


#43

Isopropyl Acetate
 Concen: 40.712 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

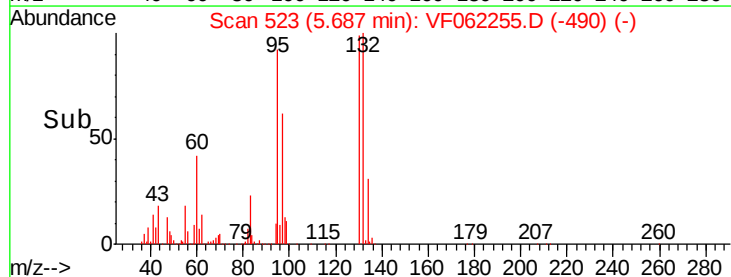
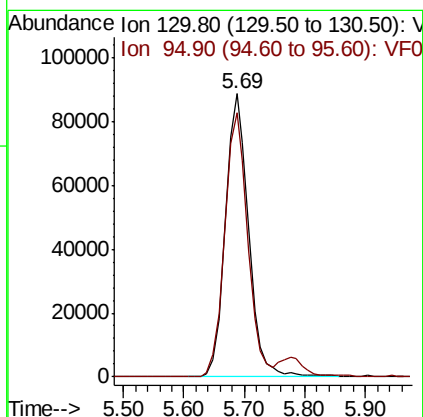
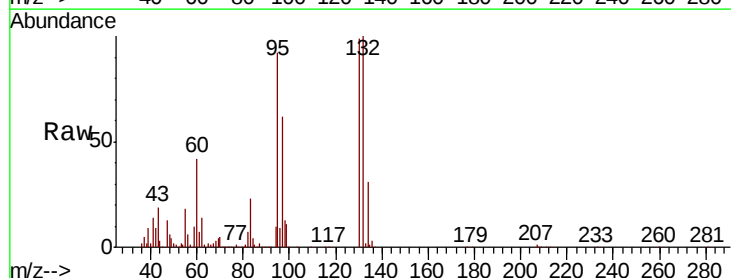
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.4	36.6
87	0.4	0.4	0.6

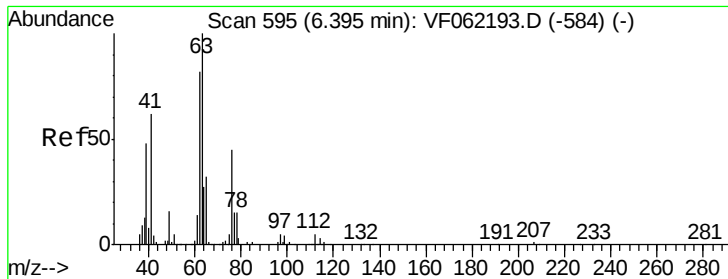


#44

Trichloroethene
 Concen: 52.047 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	191.4





#45

1,2-Dichloropropane

Concen: 46.140 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

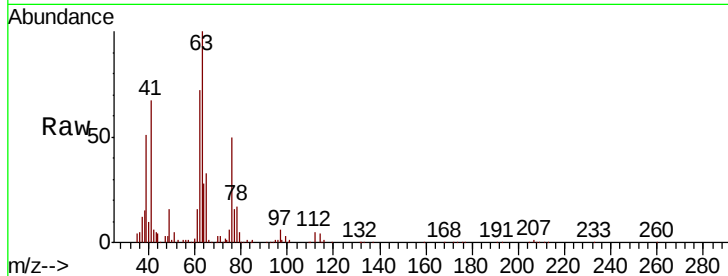
VSTDCCC050EC

Tot Ion: 63 Resp: 170451

Ion Ratio Lower Upper

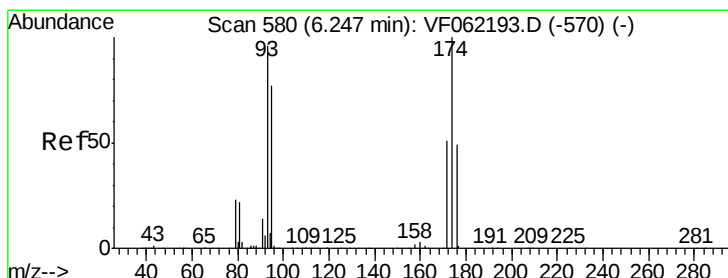
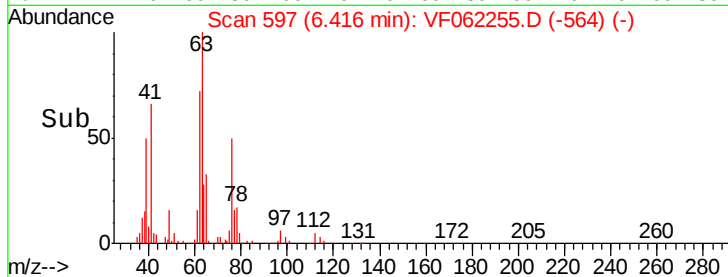
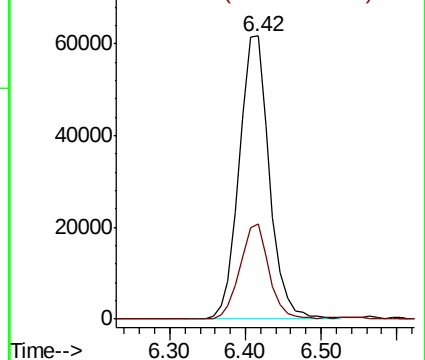
63 100

65 33.5 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 50.677 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

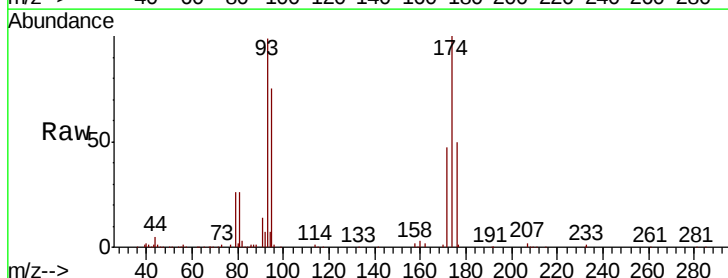
Tgt Ion: 93 Resp: 124555

Ion Ratio Lower Upper

93 100

95 82.6 65.1 97.7

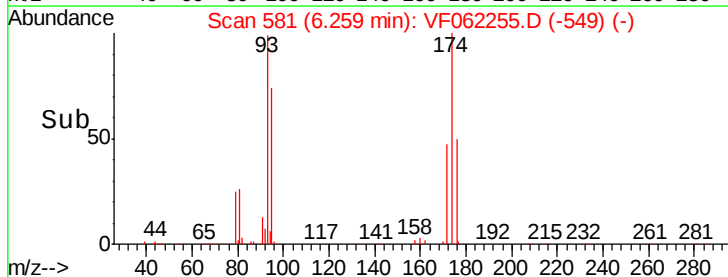
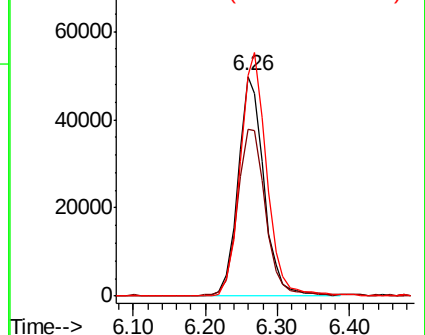
174 114.1 81.8 122.6

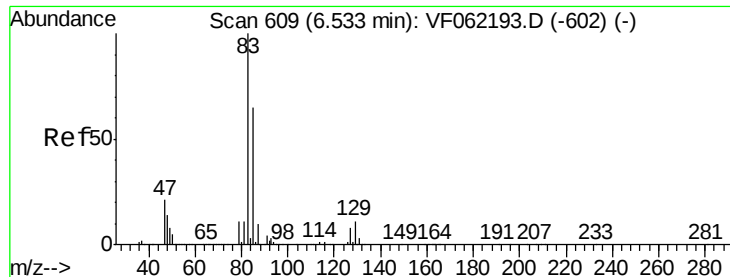


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.309 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

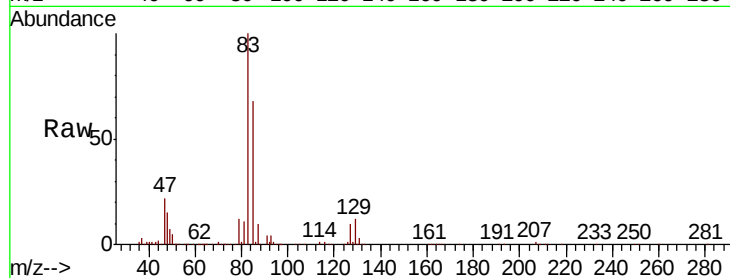
Tot Ion: 83 Resp: 284583

Ion Ratio Lower Upper

83 100

85 67.8 52.2 78.4

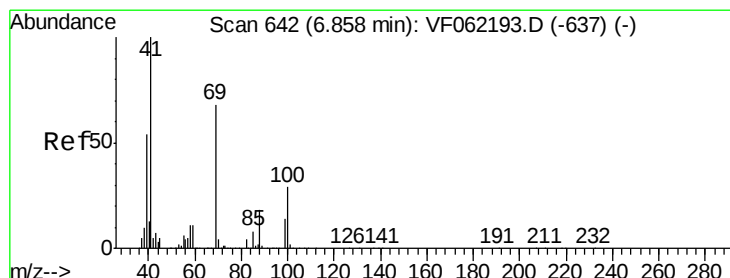
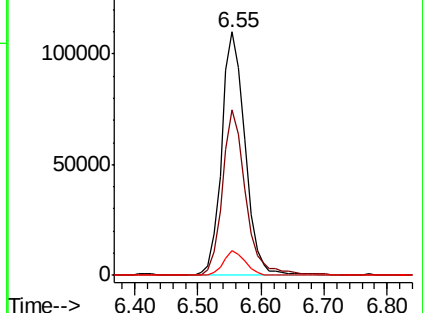
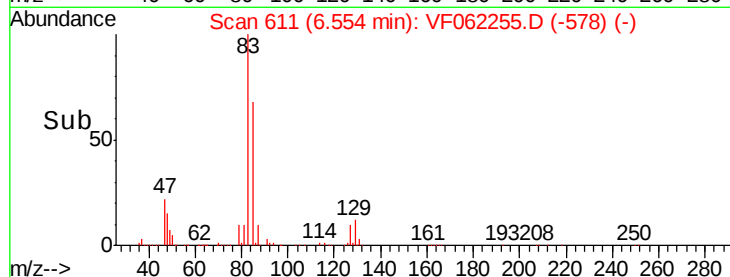
127 10.4 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 44.255 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

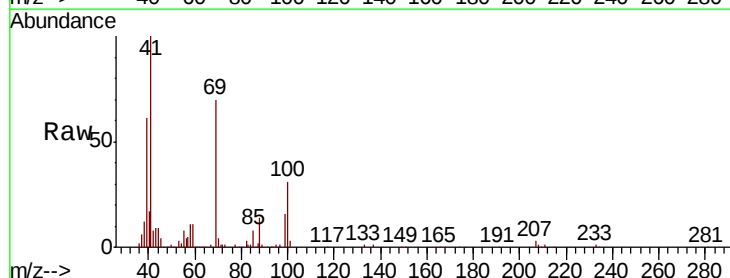
Tgt Ion: 41 Resp: 92292

Ion Ratio Lower Upper

41 100

69 70.7 54.9 82.3

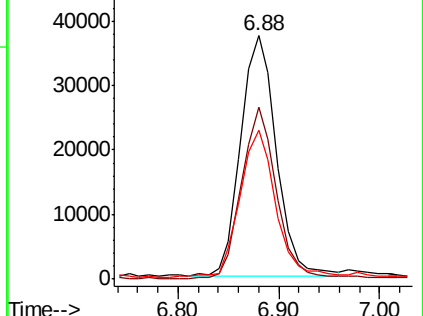
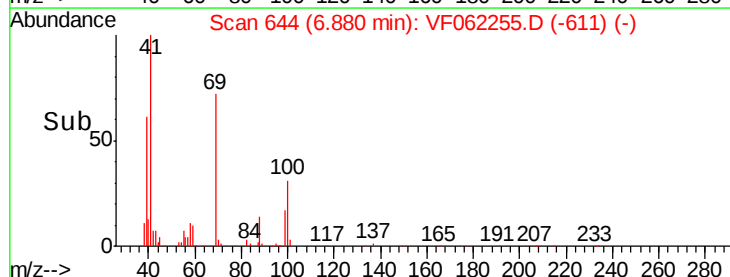
39 61.5 43.6 65.4

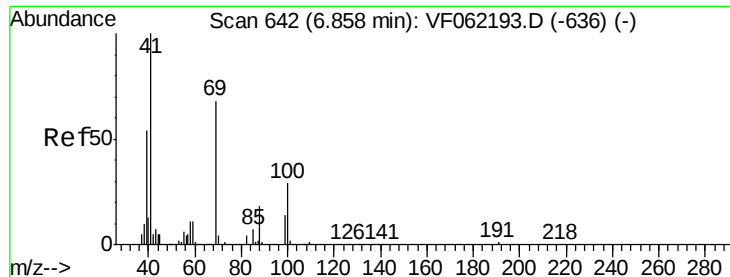


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 833.301 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

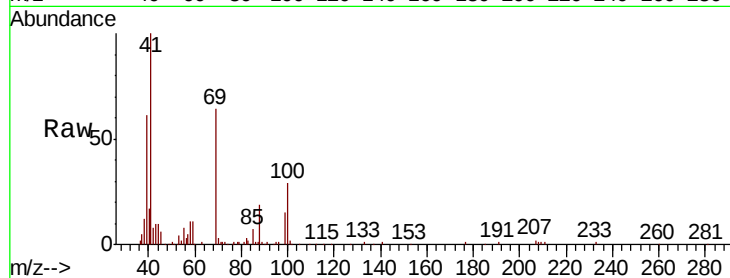
Tot Ion: 88 Resp: 19930

Ion Ratio Lower Upper

88 100

43 44.5 36.9 55.3

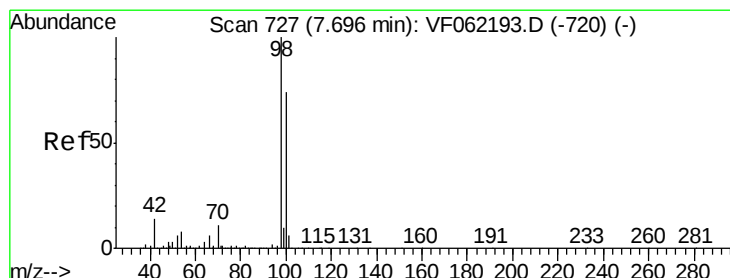
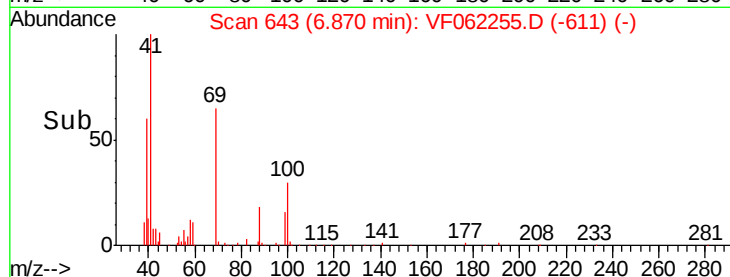
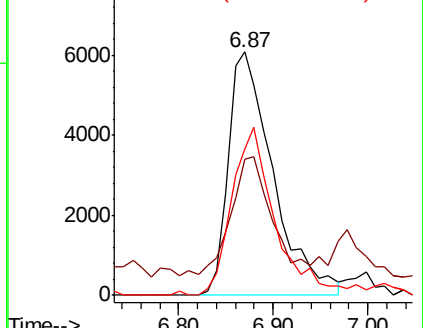
58 66.4 56.8 85.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 833.301 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF062255.D

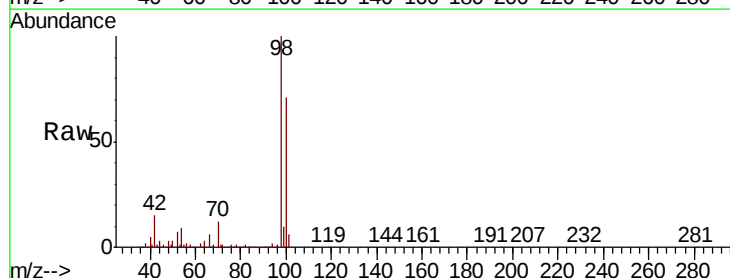
Acq: 22 Apr 2019 20:38

Tgt Ion: 98 Resp: 622834

Ion Ratio Lower Upper

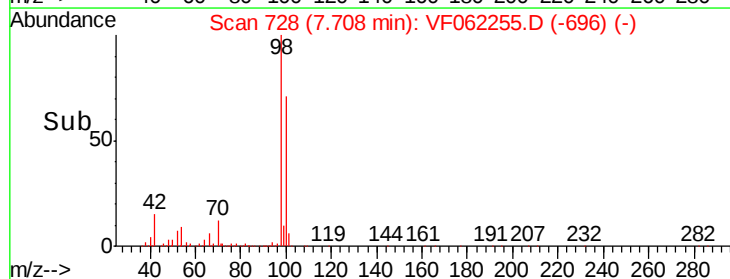
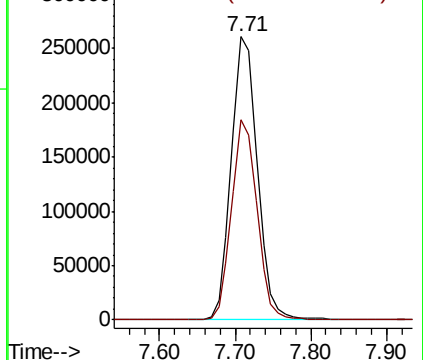
98 100

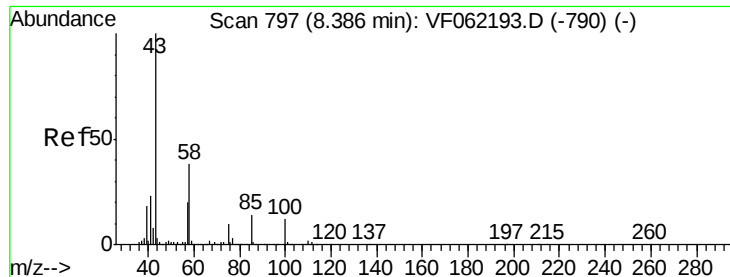
100 69.2 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 206.092 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

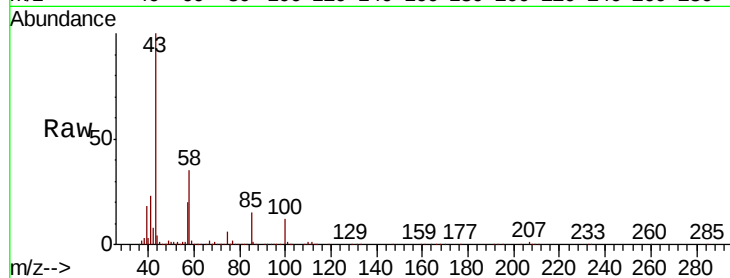
VSTDCCC050EC

Tot Ion: 43 Resp: 486430

Ion Ratio Lower Upper

43 100

58 37.8 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250000

200000

150000

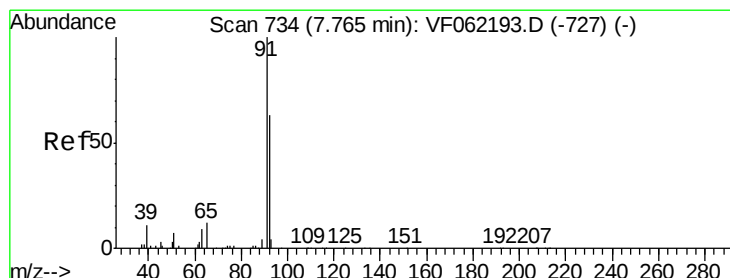
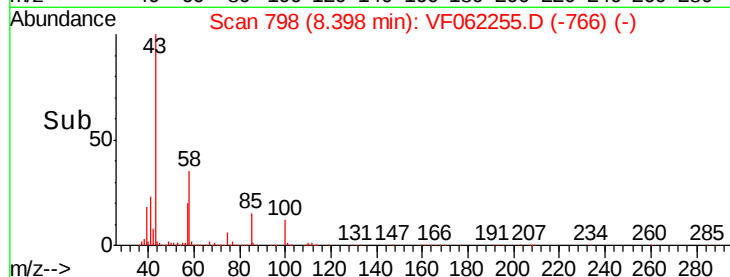
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 48.100 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062255.D

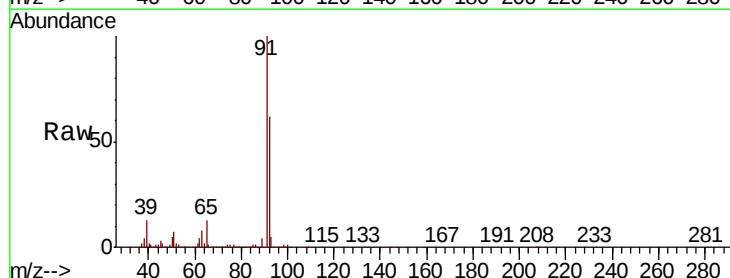
Acq: 22 Apr 2019 20:38

Tgt Ion: 92 Resp: 425225

Ion Ratio Lower Upper

92 100

91 166.0 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

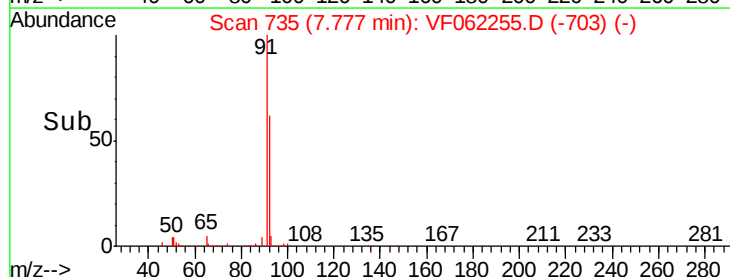
200000

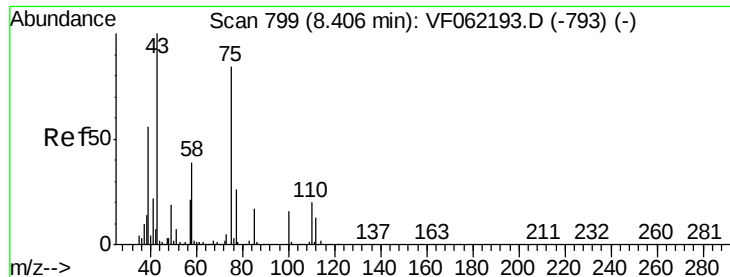
100000

0

7.60 7.70 7.80 7.90 8.00

Time-->

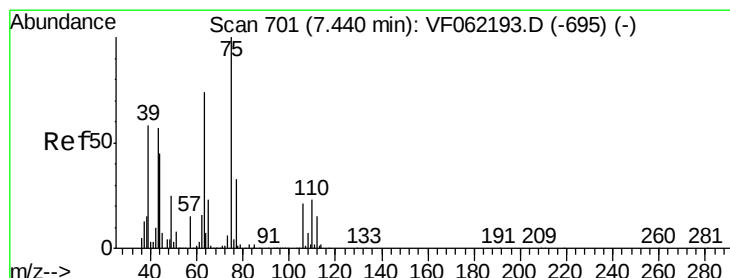
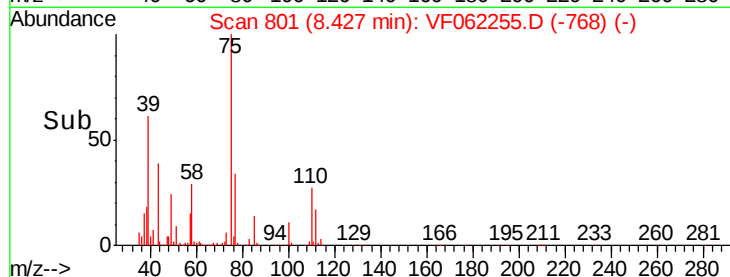
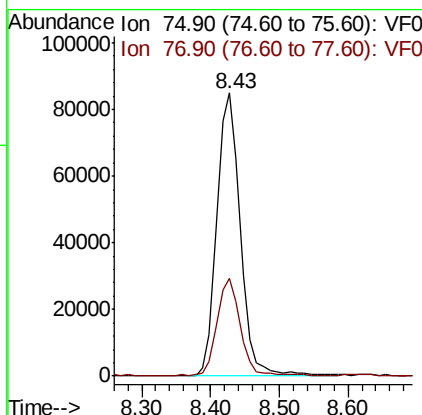
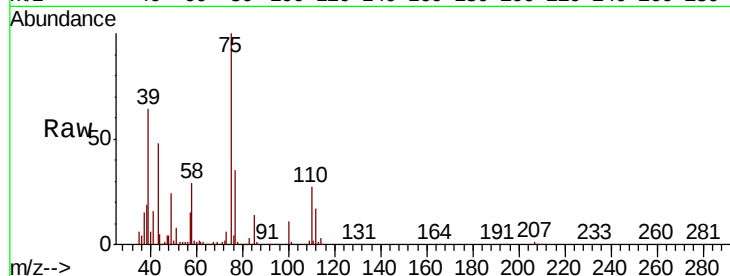




#53
 t-1,3-Dichloropropene
 Concen: 48.282 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

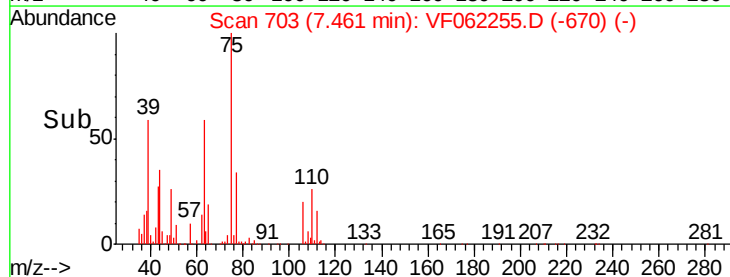
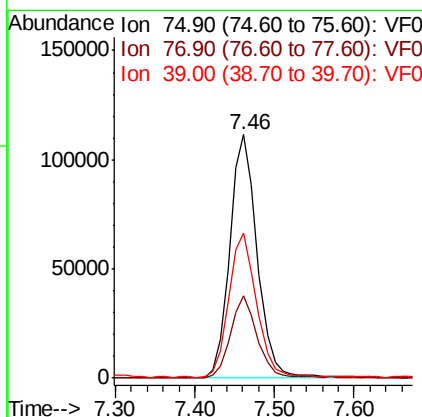
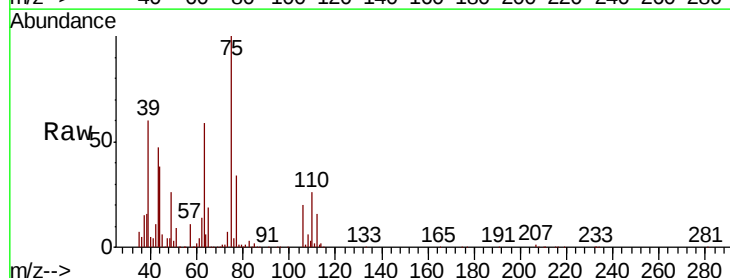
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

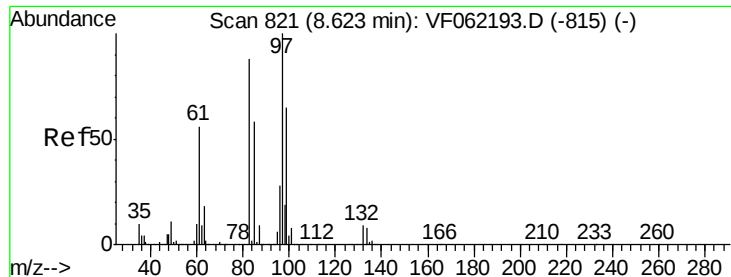
Tot Ion: 75 Resp: 201137
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 47.450 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion: 75 Resp: 267382
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.4 39.6
 39 59.2 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 50.579 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 125261

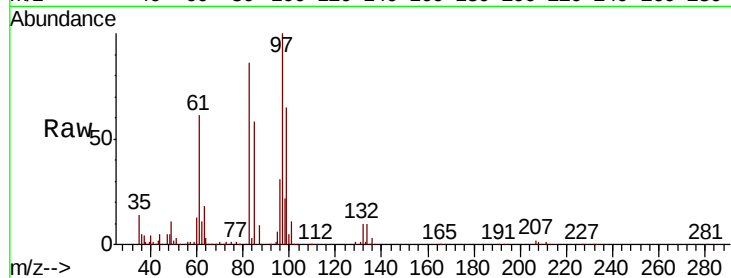
Ion Ratio Lower Upper

97 100

83 86.0 70.2 105.2

85 57.7 46.2 69.4

99 64.9 52.2 78.4

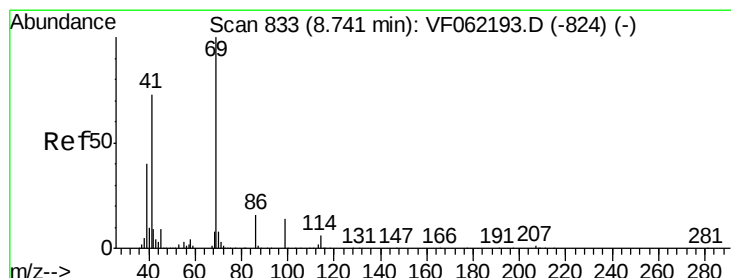
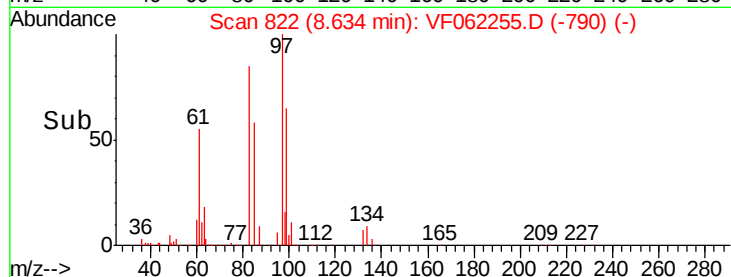
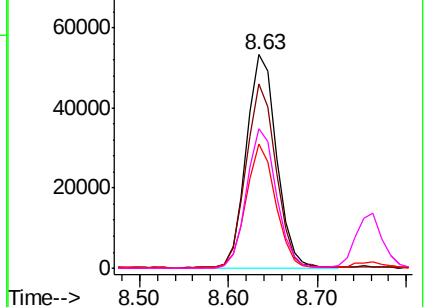


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 45.809 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

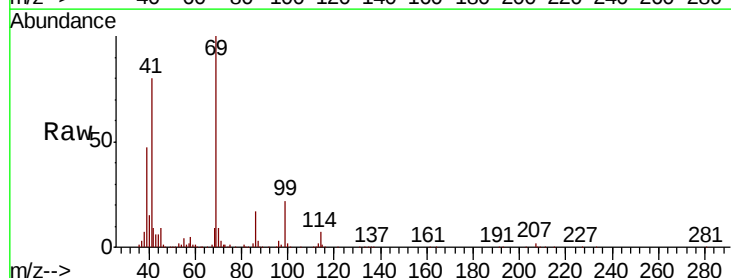
Tgt Ion: 69 Resp: 128986

Ion Ratio Lower Upper

69 100

41 76.2 61.5 92.3

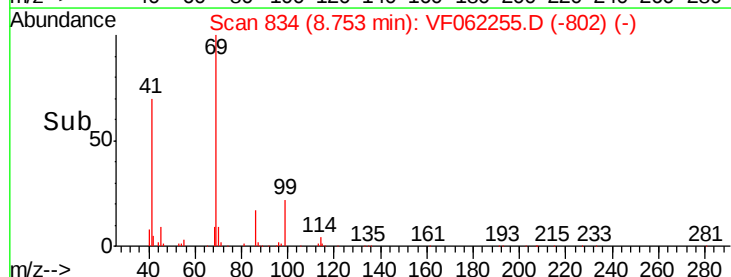
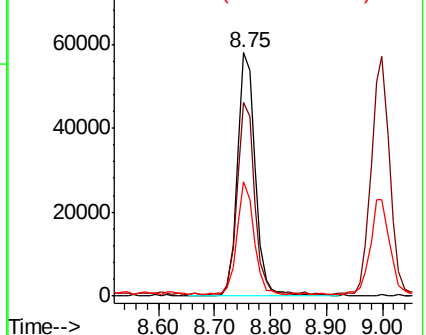
39 42.6 33.3 49.9

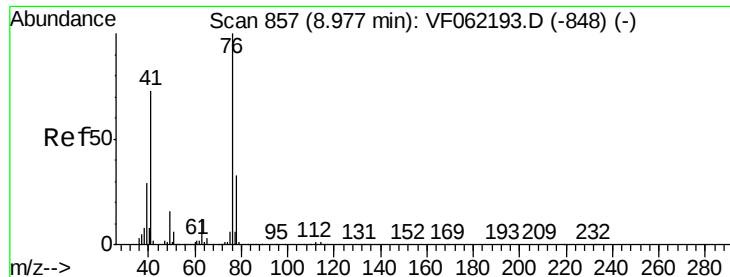


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.331 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

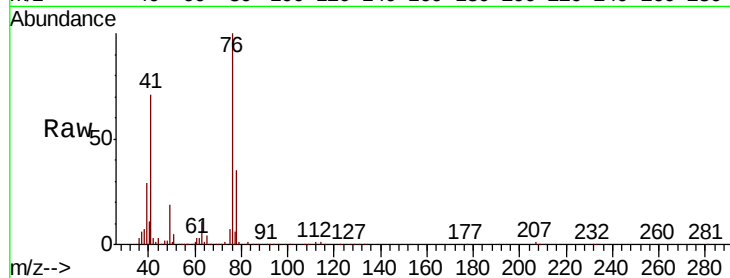
VSTDCCC050EC

Tot Ion: 76 Resp: 185279

Ion Ratio Lower Upper

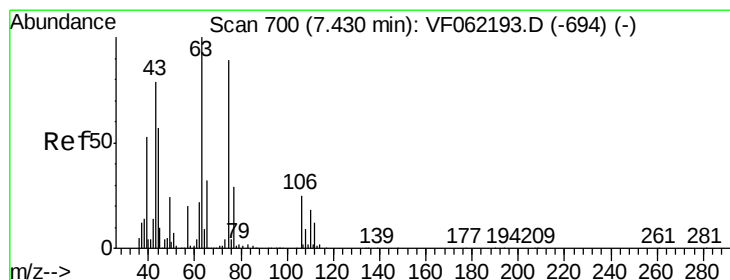
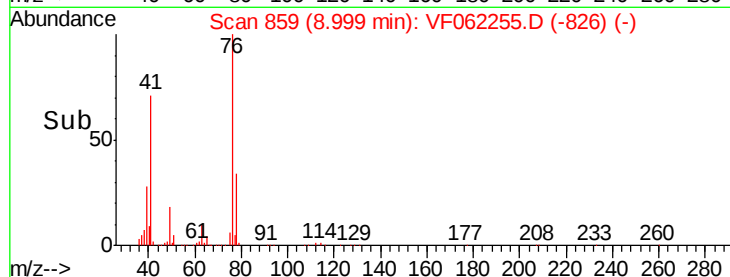
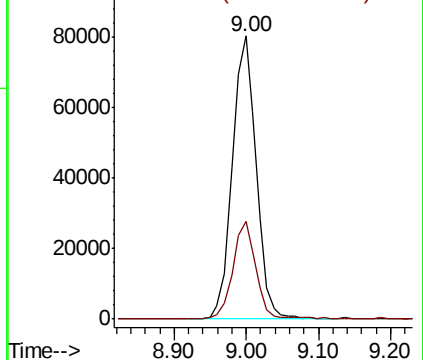
76 100

78 32.8 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 237.886 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.02 min

Lab File: VF062255.D

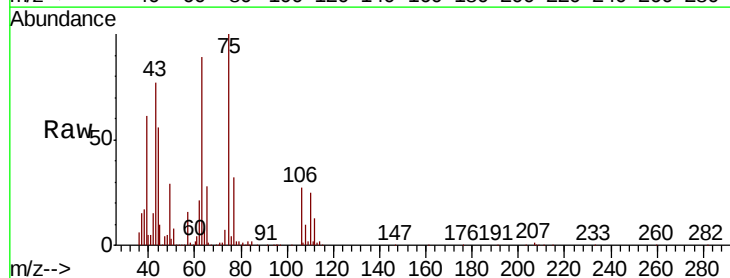
Acq: 22 Apr 2019 20:38

Tgt Ion: 63 Resp: 194471

Ion Ratio Lower Upper

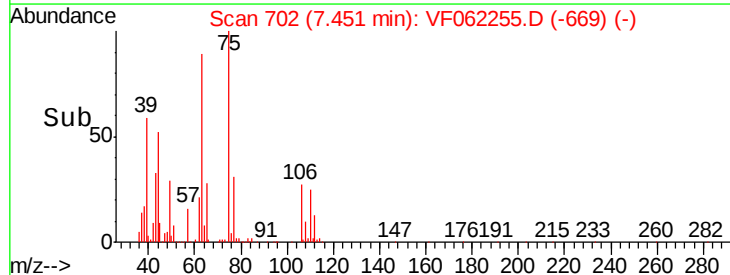
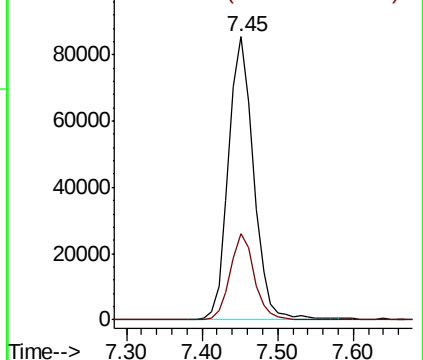
63 100

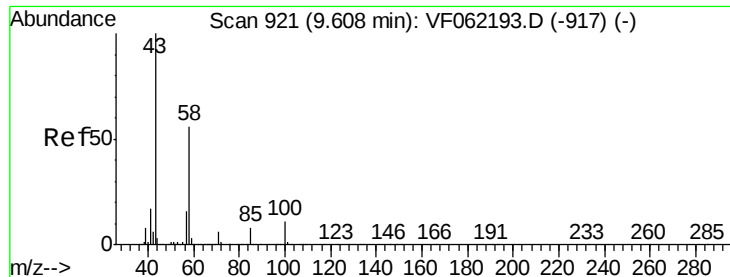
106 29.7 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

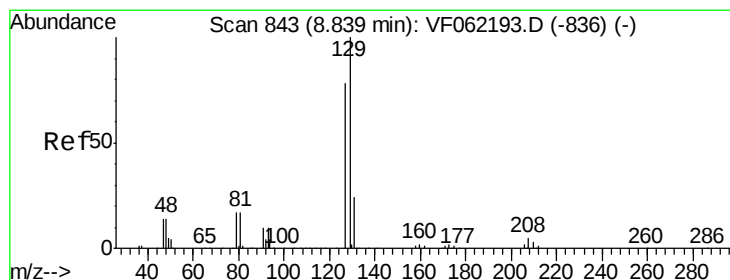
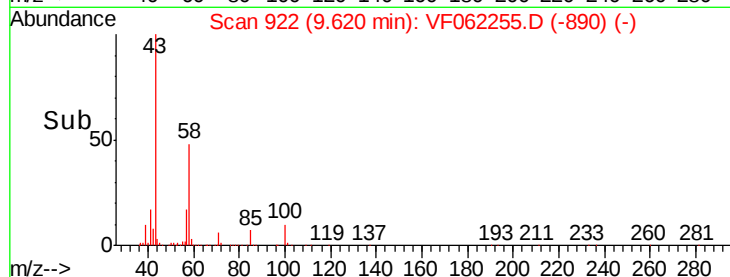
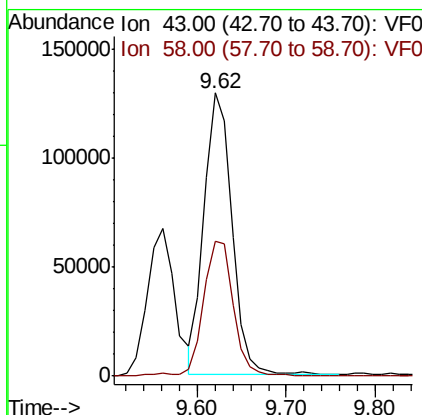
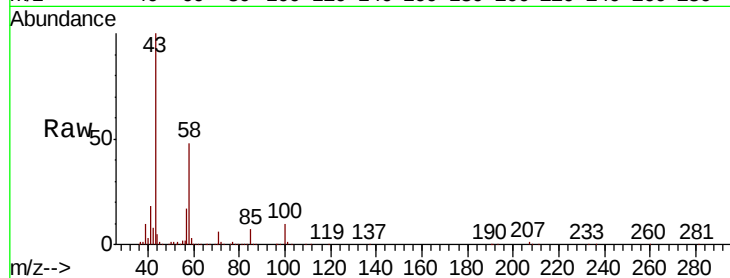




#59
2-Hexanone
Concen: 191.313 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

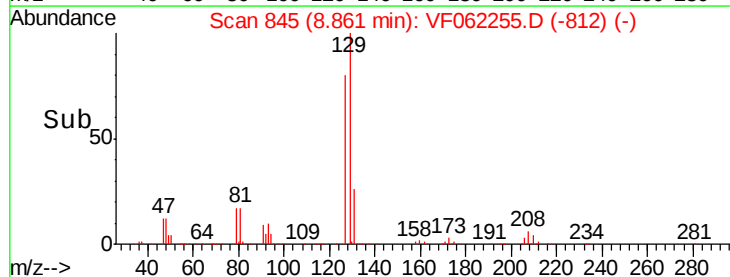
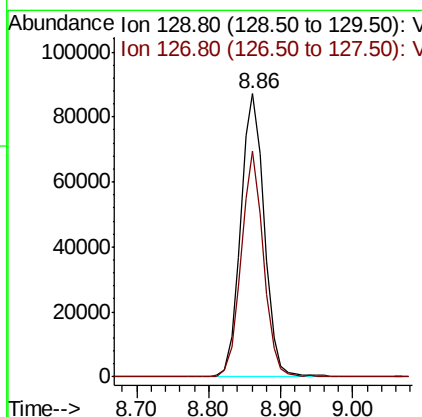
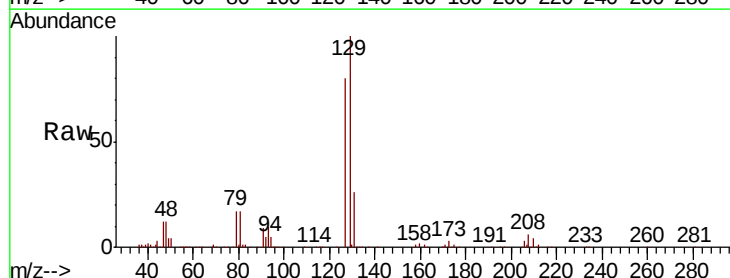
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

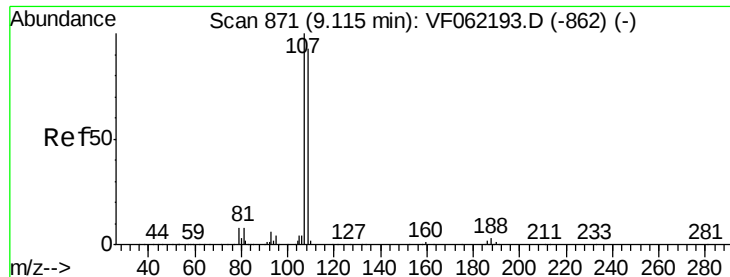
Tot Ion: 43 Resp: 281539
Ion Ratio Lower Upper
43 100
58 51.9 24.6 74.0



#60
Dibromochloromethane
Concen: 54.373 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 129 Resp: 200261
Ion Ratio Lower Upper
129 100
127 75.1 39.0 117.0





#61

1,2-Dibromoethane

Concen: 51.027 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

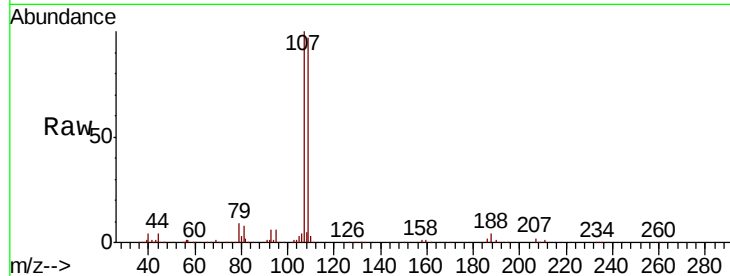
VSTDCCC050EC

Tot Ion:107 Resp: 142371

Ion Ratio Lower Upper

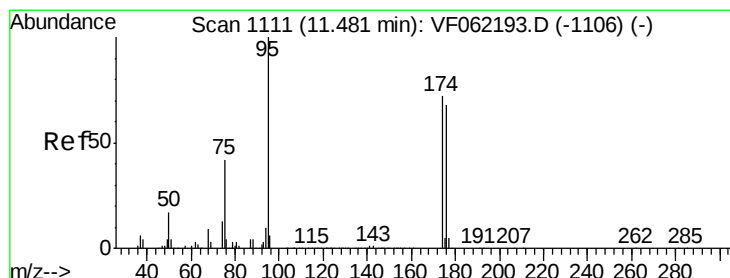
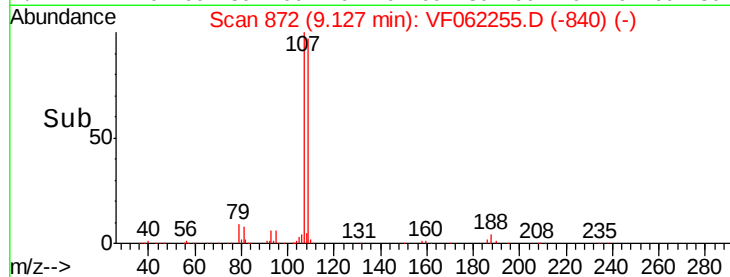
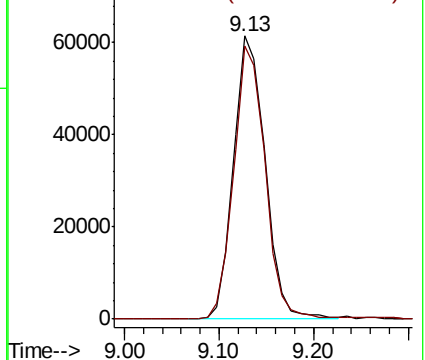
107 100

109 96.1 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.027 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

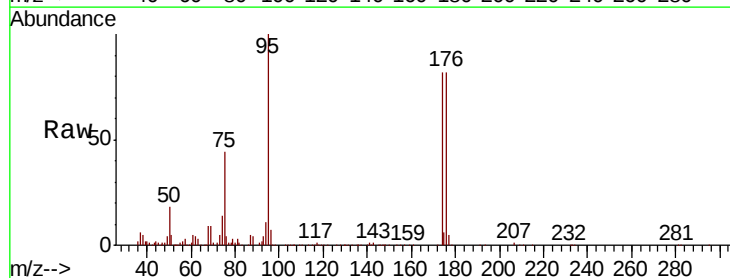
Tgt Ion: 95 Resp: 240246

Ion Ratio Lower Upper

95 100

174 89.6 0.0 159.4

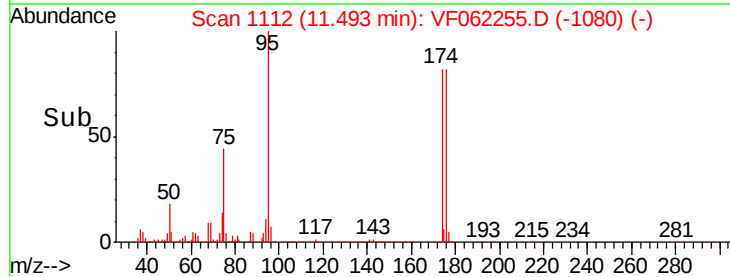
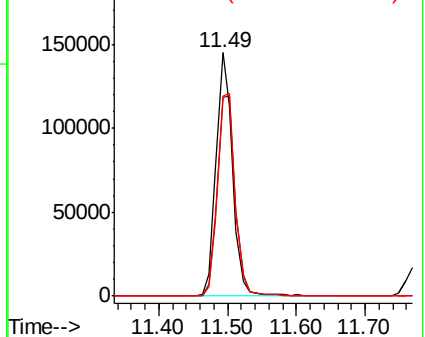
176 88.8 0.0 155.4

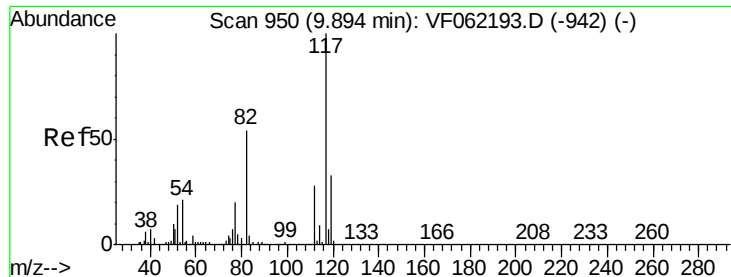


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

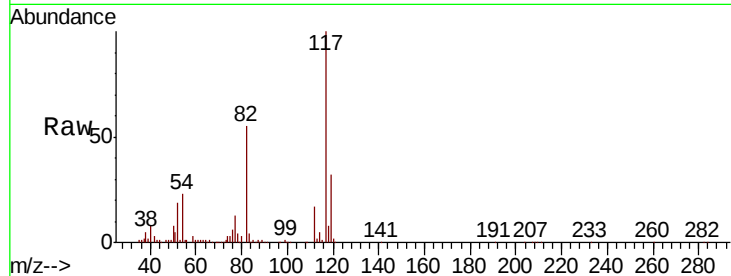




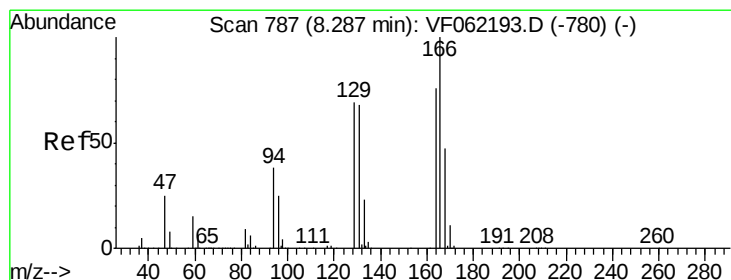
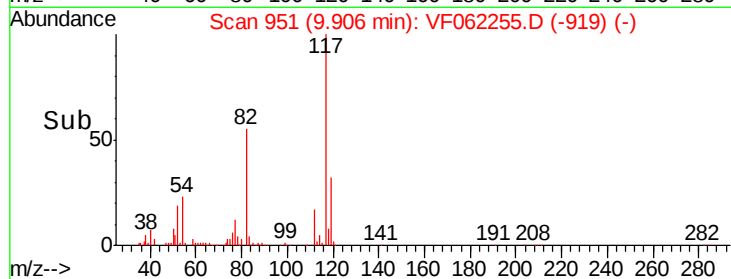
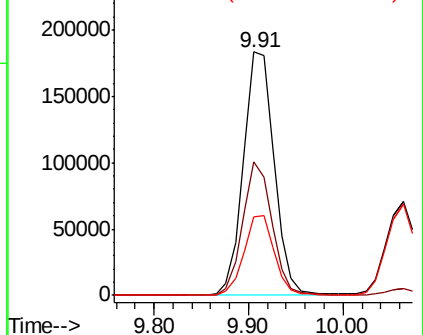
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 416939
Ion Ratio Lower Upper
117 100
82 54.6 43.2 64.8
119 32.1 26.2 39.4

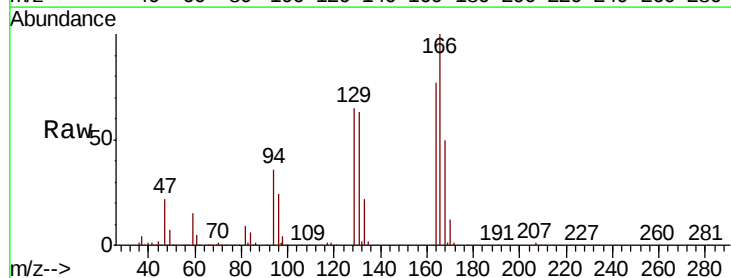


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

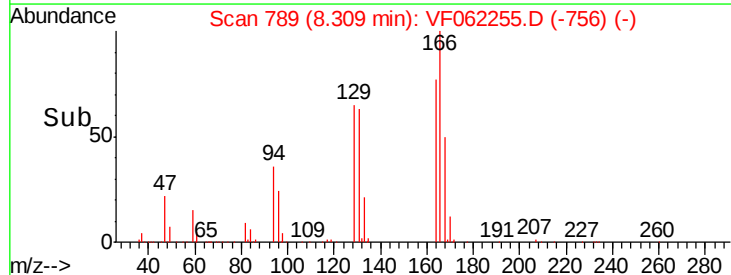
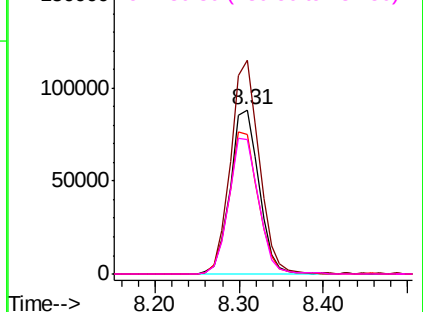


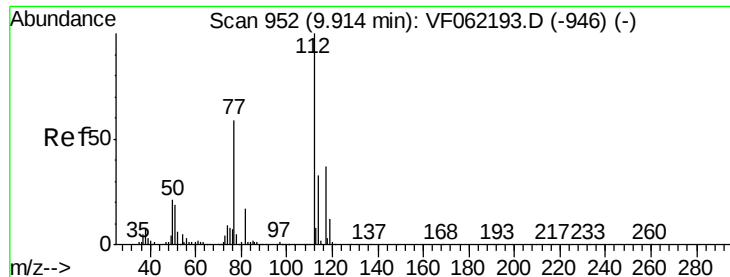
#64
Tetrachloroethene
Concen: 55.890 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion:164 Resp: 210359
Ion Ratio Lower Upper
164 100
166 130.3 104.7 157.1
129 85.2 72.6 109.0
131 82.2 71.6 107.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

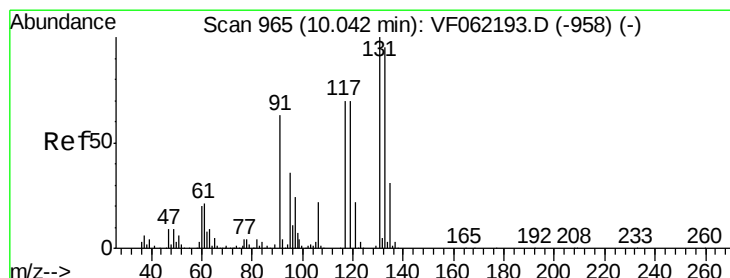
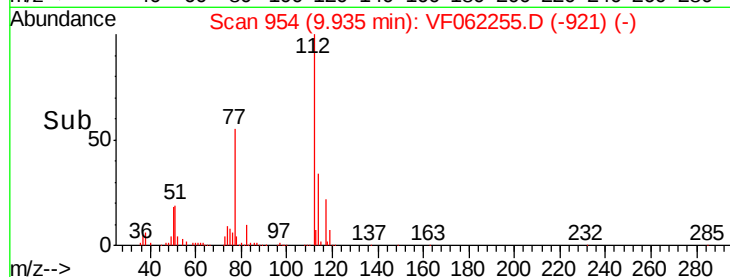
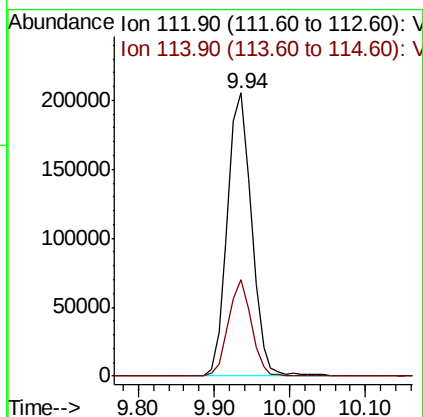
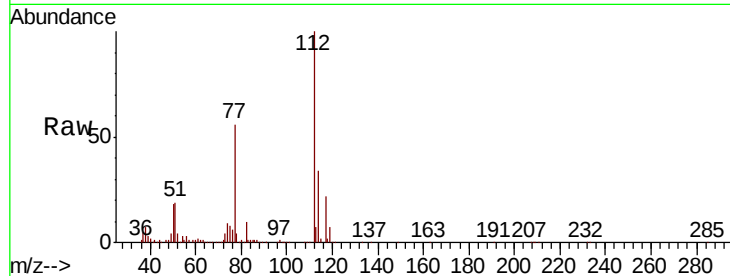




#65
Chlorobenzene
Concen: 51.378 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

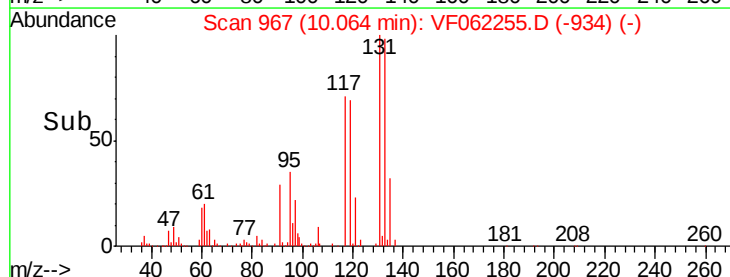
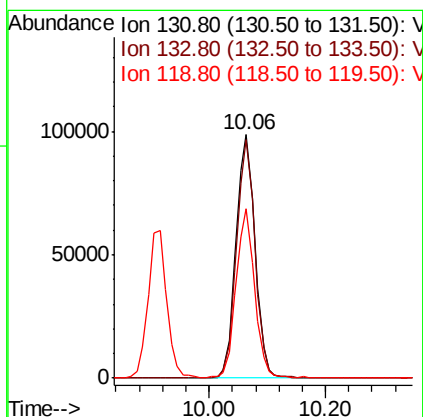
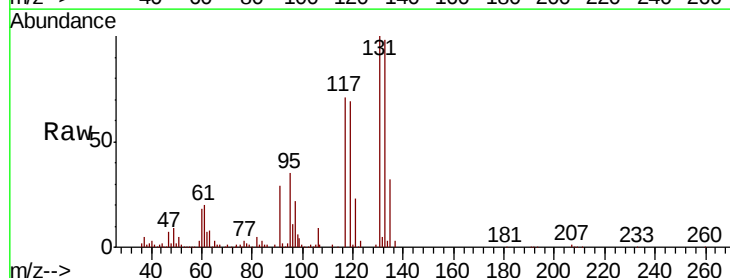
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

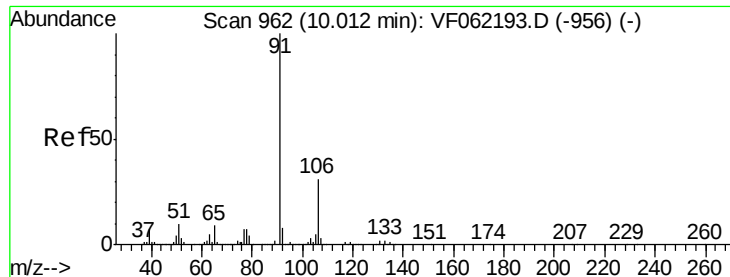
Tot Ion:112 Resp: 456768
Ion Ratio Lower Upper
112 100
114 34.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 53.910 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion:131 Resp: 224444
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 66.7 34.6 103.9

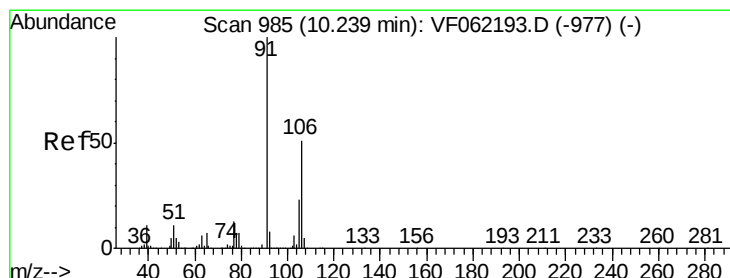
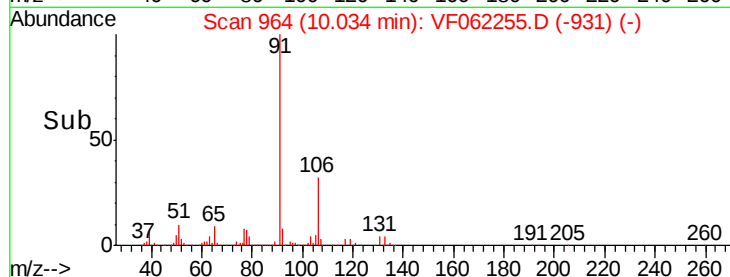
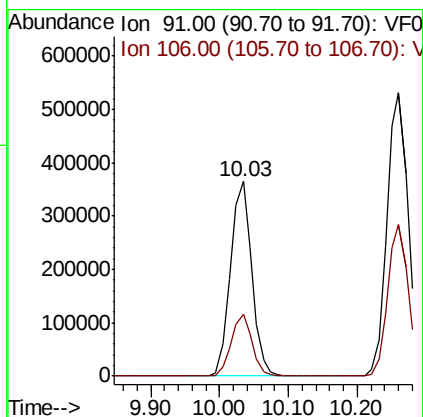
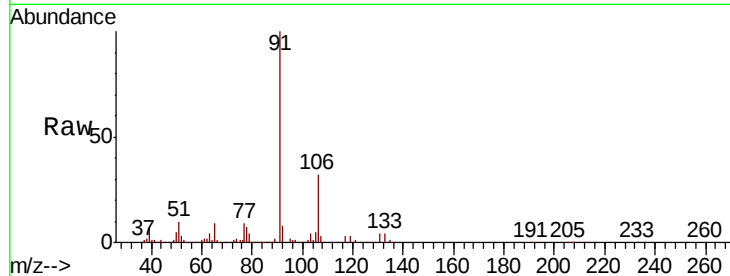




#67
Ethyl Benzene
Concen: 48.563 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

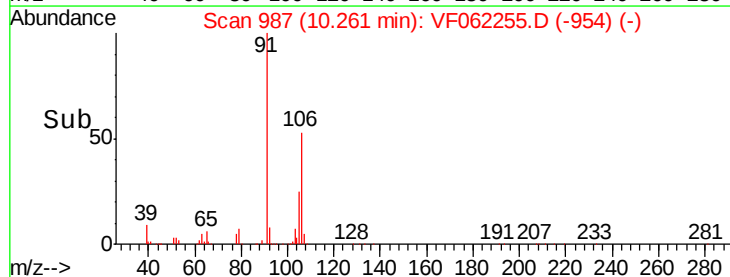
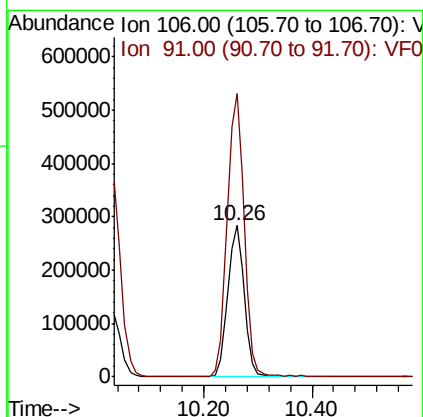
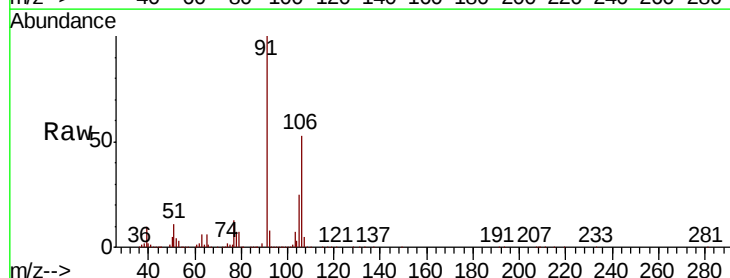
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

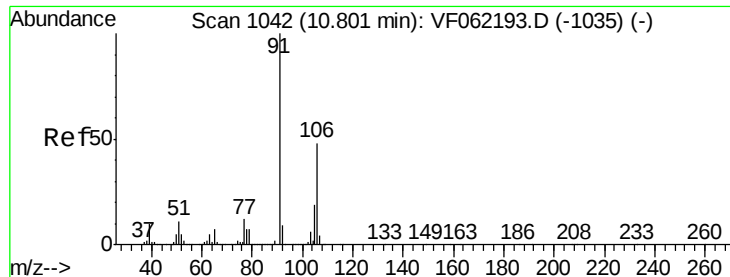
Tot Ion: 91 Resp: 785065
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 100.828 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion: 106 Resp: 600039
Ion Ratio Lower Upper
106 100
91 191.4 159.1 238.7

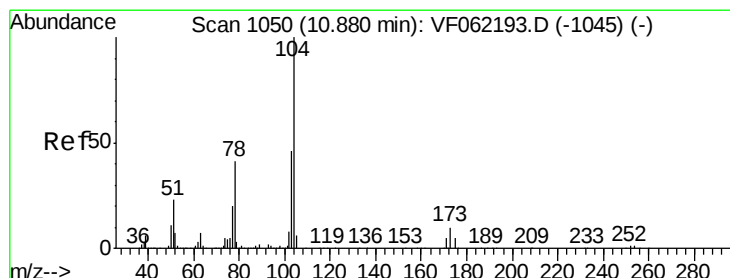
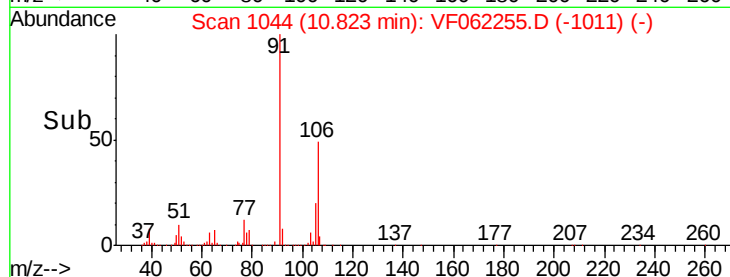
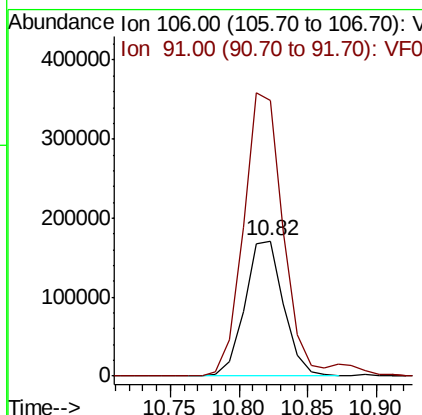
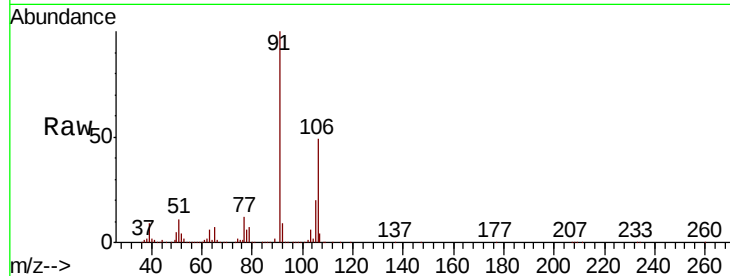




#69
o-Xylene
Concen: 50.584 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

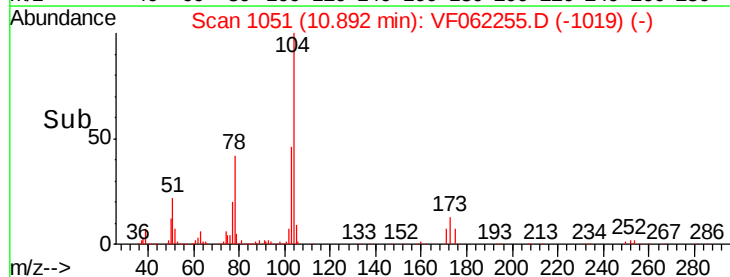
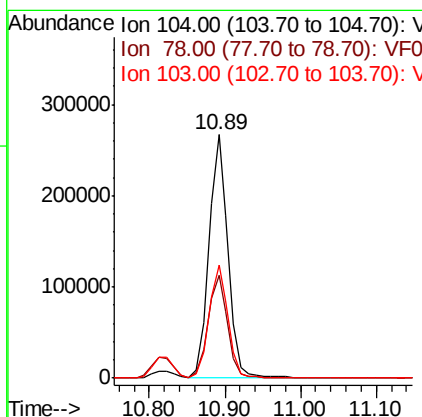
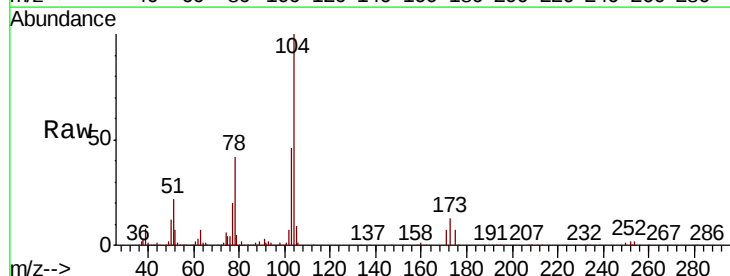
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

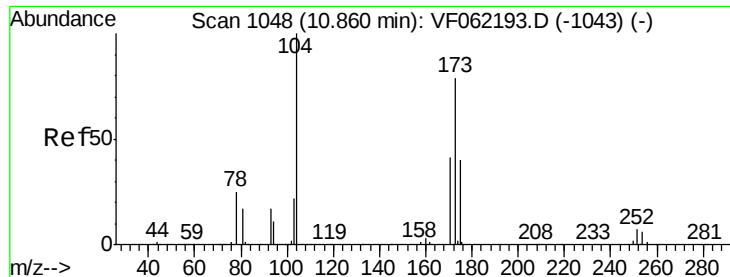
Tot Ion:106 Resp: 334226
Ion Ratio Lower Upper
106 100
91 213.3 107.5 322.4



#70
Styrene
Concen: 50.179 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062255.D
Acq: 22 Apr 2019 20:38

Tgt Ion:104 Resp: 467888
Ion Ratio Lower Upper
104 100
78 43.8 34.5 51.7
103 46.4 37.2 55.8





#71

Bromoform

Concen: 55.024 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

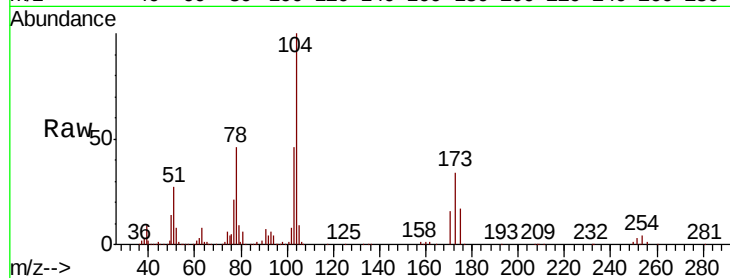
Tot Ion:173 Resp: 120952

Ion Ratio Lower Upper

173 100

175 50.2 24.5 73.5

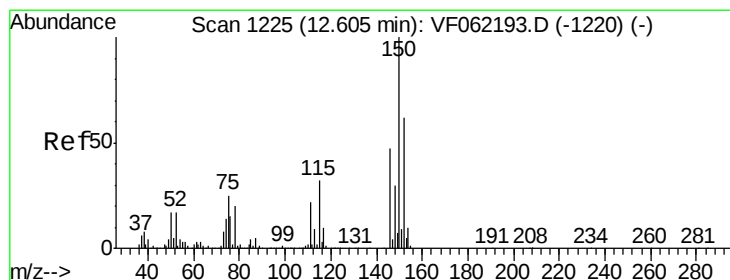
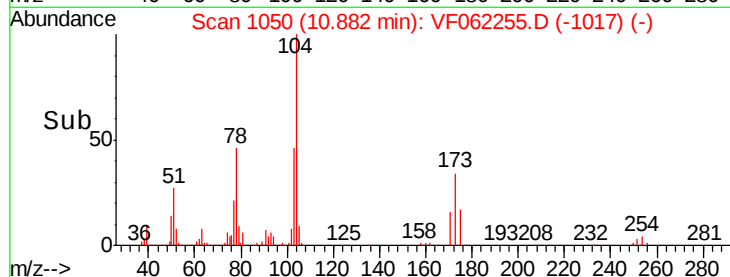
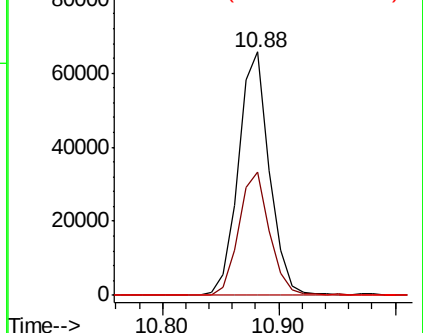
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VF062255.D

Acq: 22 Apr 2019 20:38

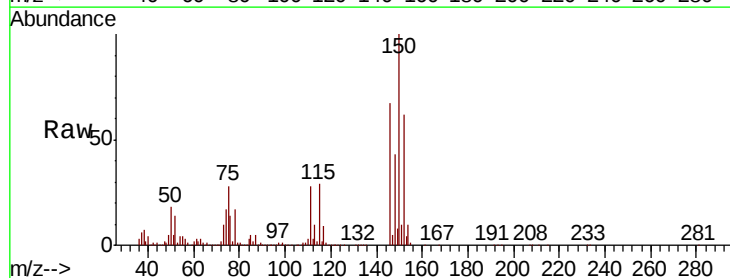
Tgt Ion:152 Resp: 236315

Ion Ratio Lower Upper

152 100

115 53.3 27.8 83.3

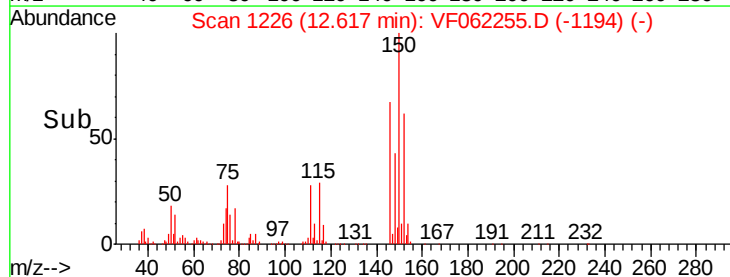
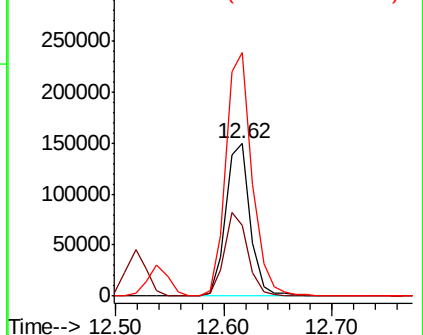
150 170.7 0.0 341.8

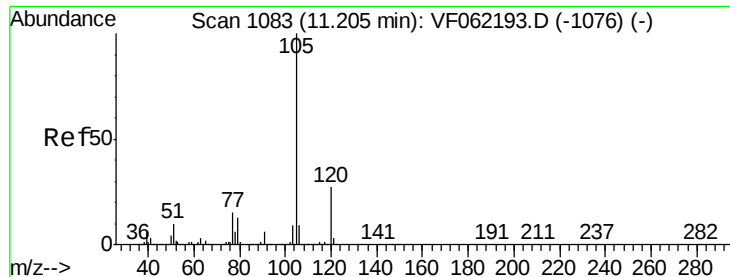


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.646 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

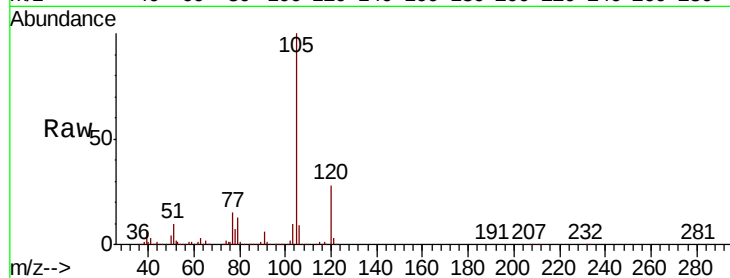
VSTDCCC050EC

Tot Ion:105 Resp: 967198

Ion Ratio Lower Upper

105 100

120 26.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

600000

500000

400000

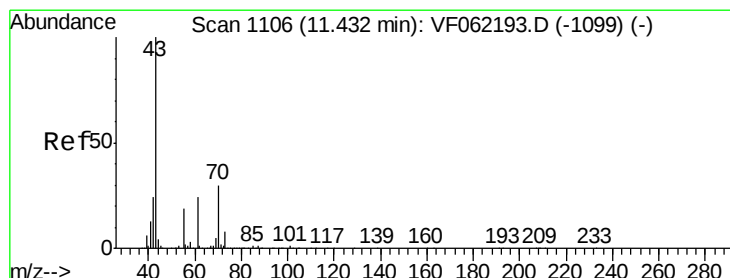
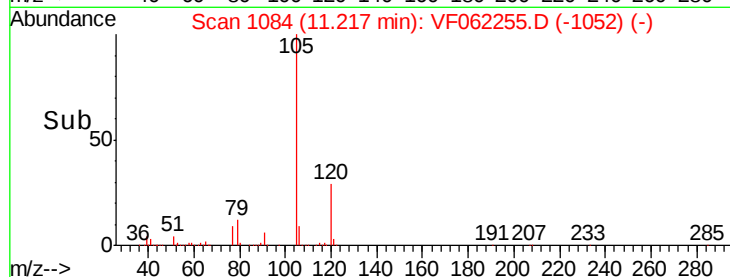
300000

200000

100000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 37.245 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion: 43 Resp: 182087

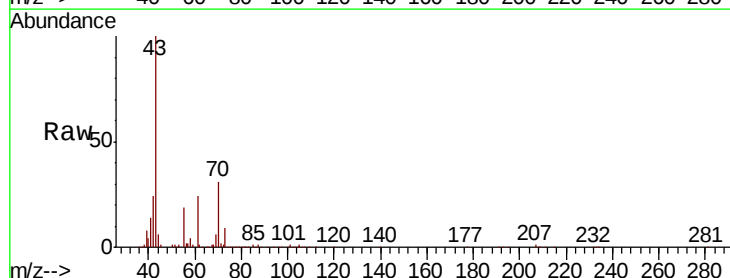
Ion Ratio Lower Upper

43 100

70 35.2 27.0 40.4

55 20.8 15.7 23.5

61 25.6 20.8 31.2



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

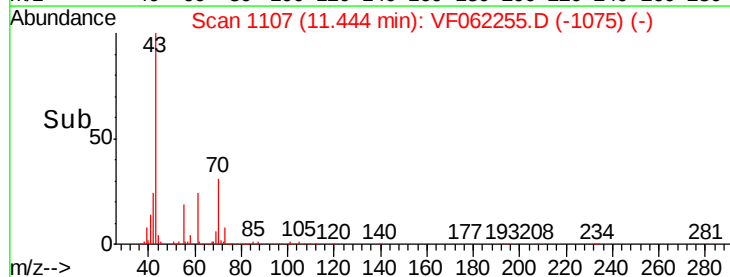
150000

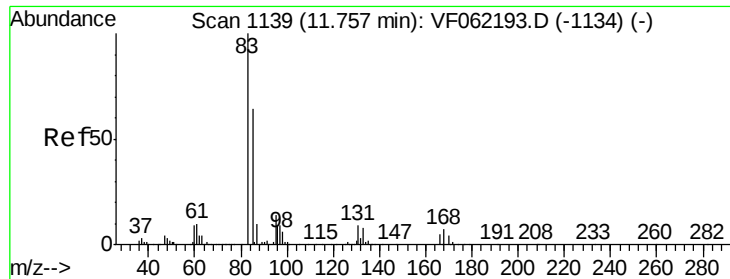
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 46.811 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

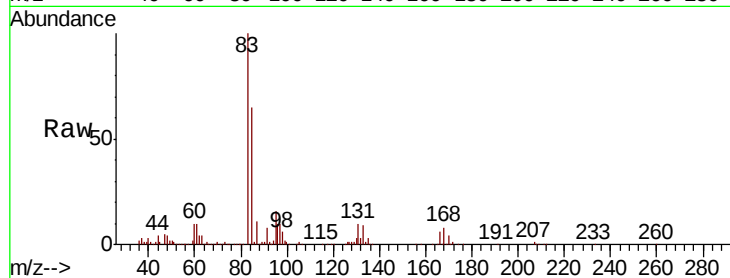
MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 163418

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.5	13.5
85	69.6	34.7	104.1

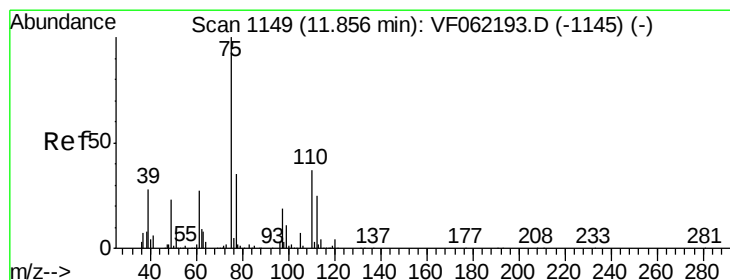
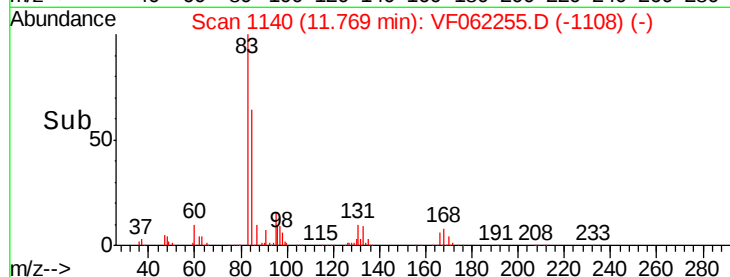
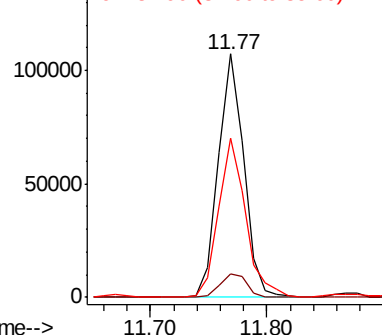


Abundance

Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 45.841 ug/l

RT: 11.87 min Scan# 1150

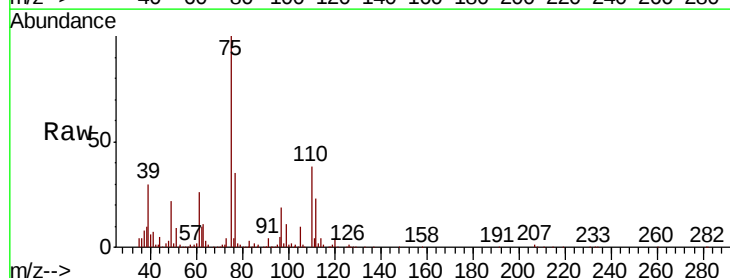
Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Tgt Ion: 75 Resp: 110103

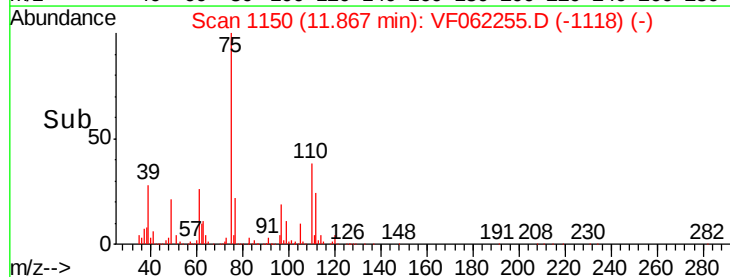
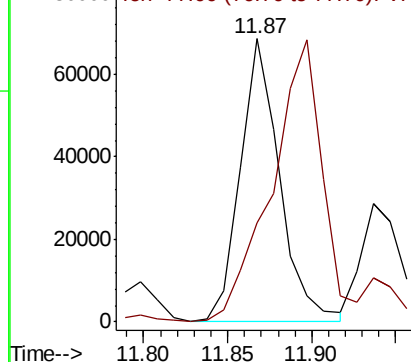
Ion	Ratio	Lower	Upper
75	100		
77	0.0	7.4	22.2

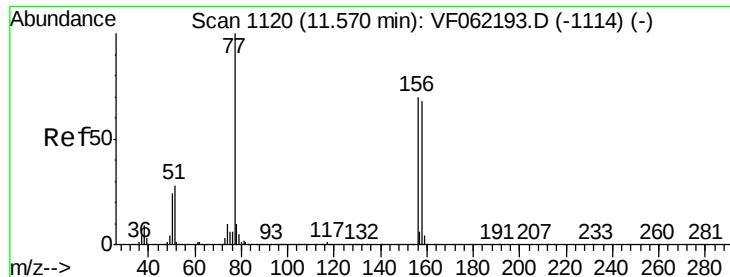


Abundance

Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.303 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

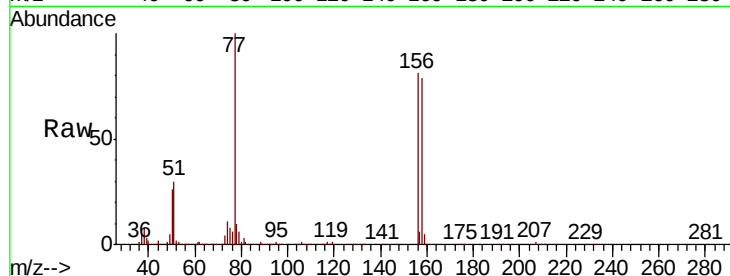
Tot Ion:156 Resp: 236142

Ion Ratio Lower Upper

156 100

77 137.4 80.9 242.7

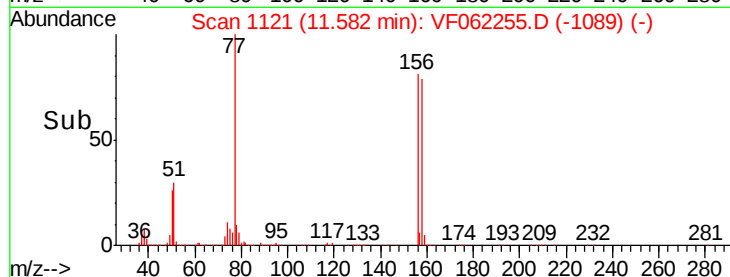
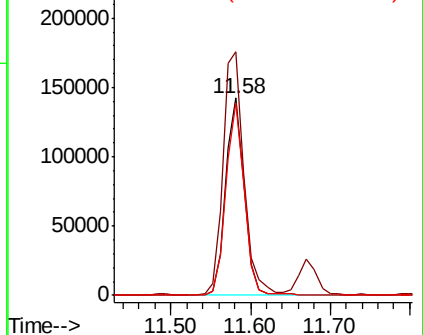
158 96.5 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.426 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062255.D

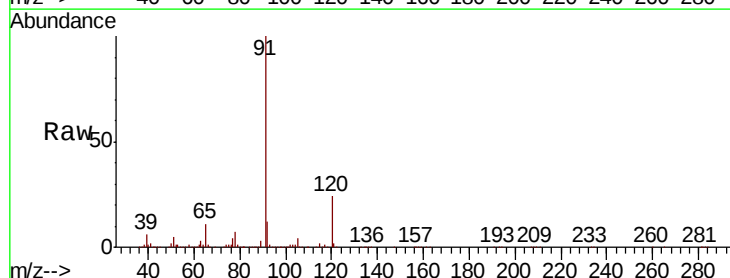
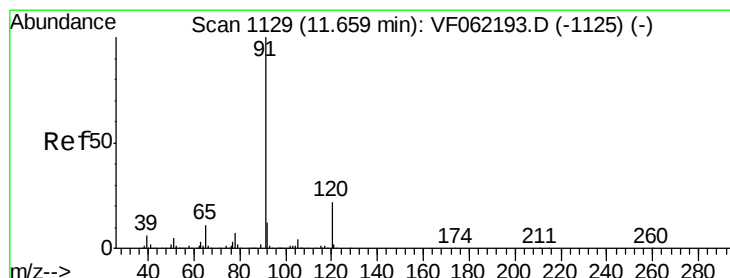
Acq: 22 Apr 2019 20:38

Tgt Ion: 91 Resp: 994184

Ion Ratio Lower Upper

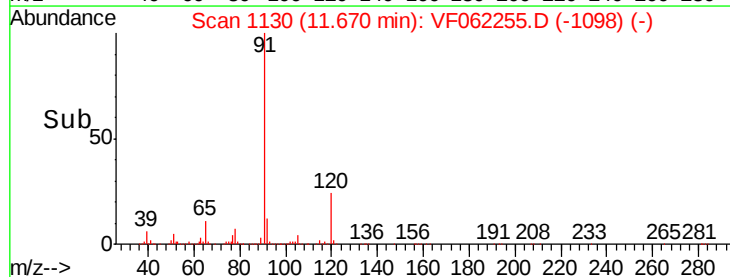
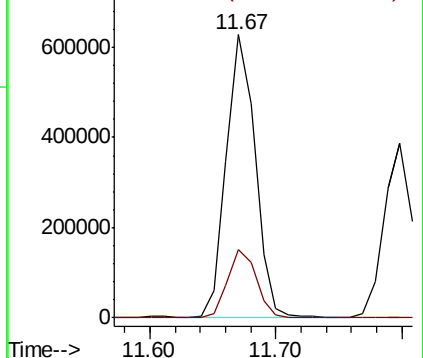
91 100

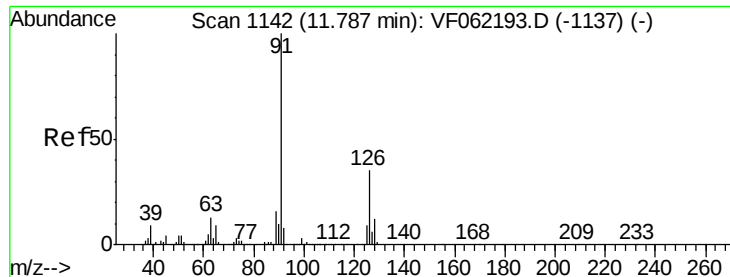
120 24.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.830 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

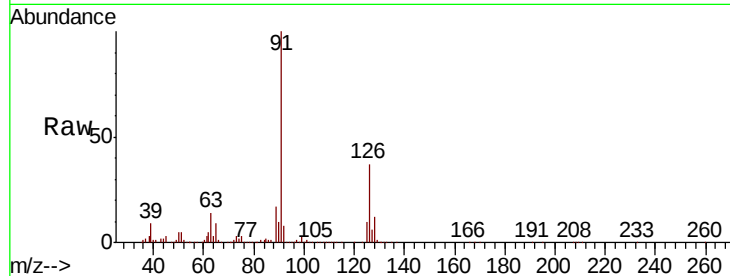
VSTDCCC050EC

Tot Ion: 91 Resp: 608322

Ion Ratio Lower Upper

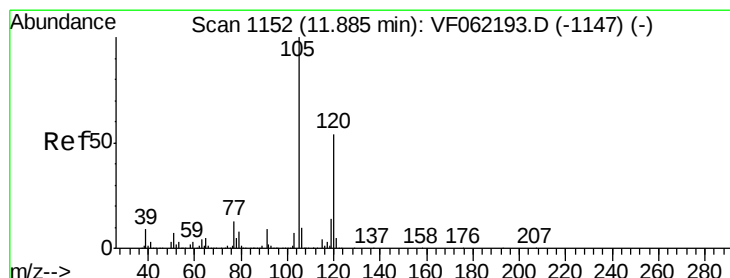
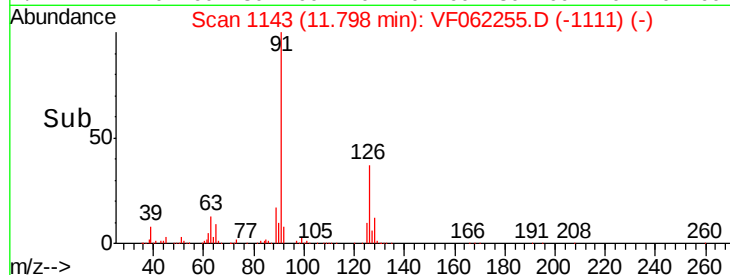
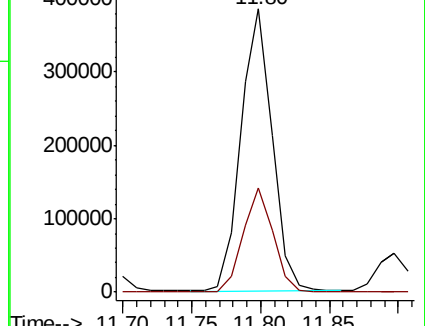
91 100

126 35.9 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.895 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062255.D

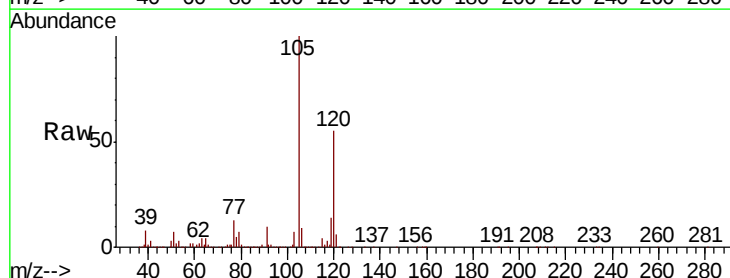
Acq: 22 Apr 2019 20:38

Tgt Ion:105 Resp: 826662

Ion Ratio Lower Upper

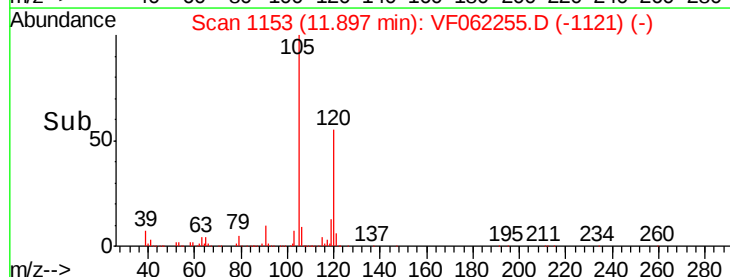
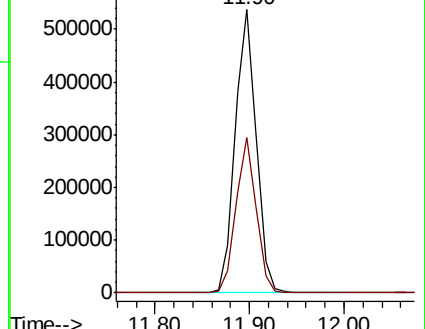
105 100

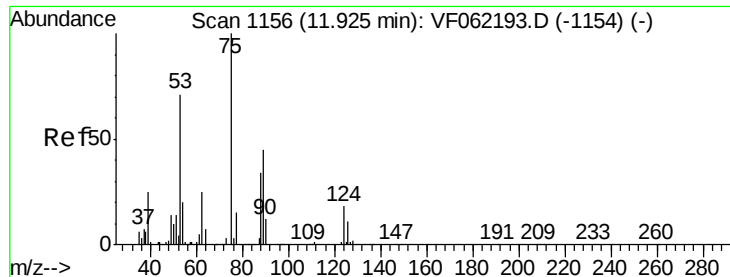
120 52.9 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.176 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

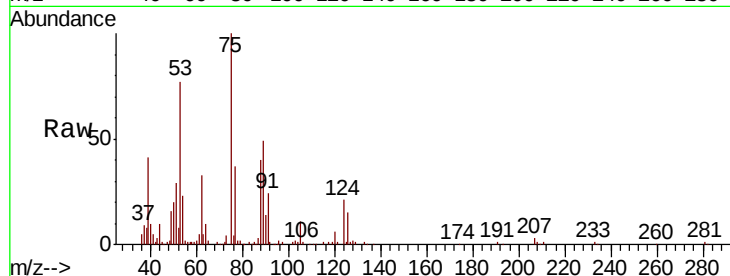
Tot Ion: 75 Resp: 61463

Ion Ratio Lower Upper

75 100

53 55.5 50.2 75.4

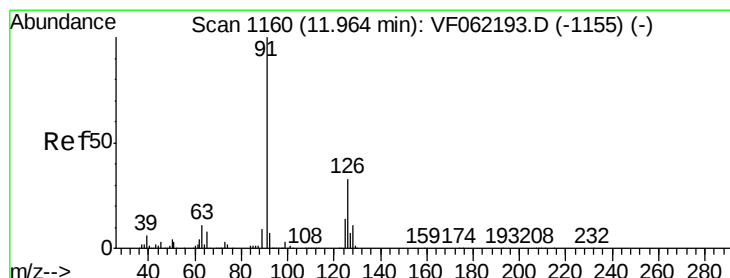
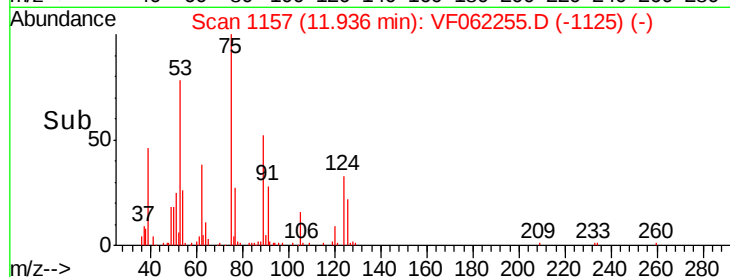
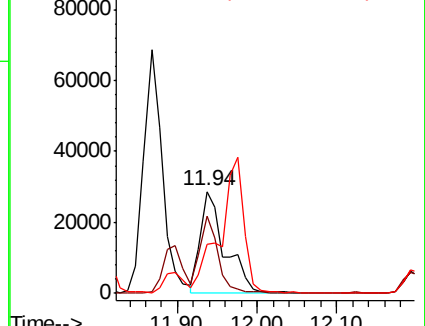
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 45.724 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062255.D

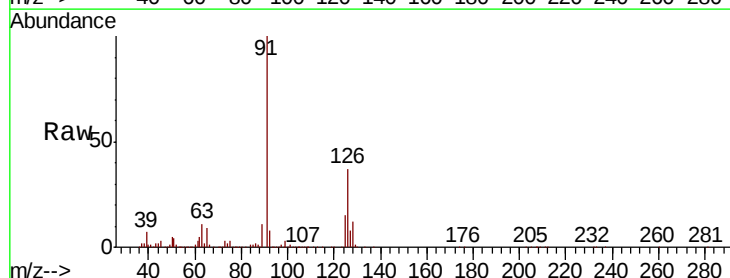
Acq: 22 Apr 2019 20:38

Tgt Ion: 91 Resp: 574011

Ion Ratio Lower Upper

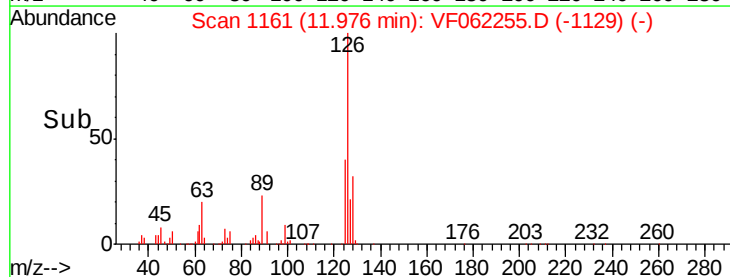
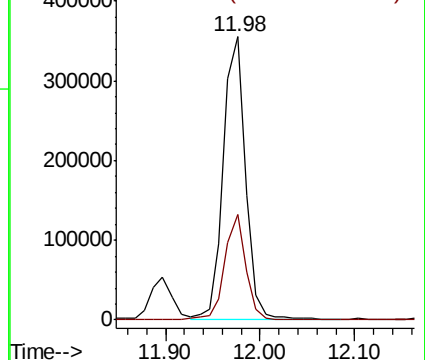
91 100

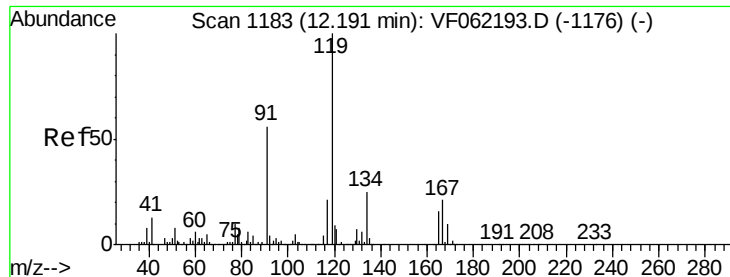
126 35.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

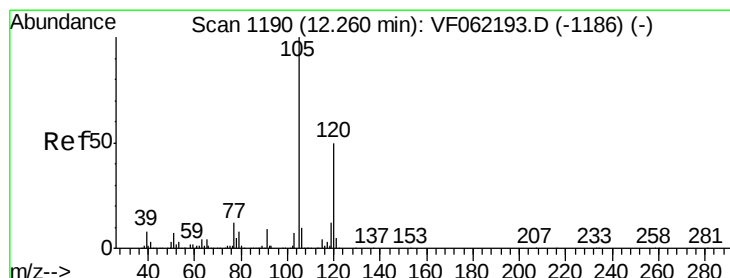
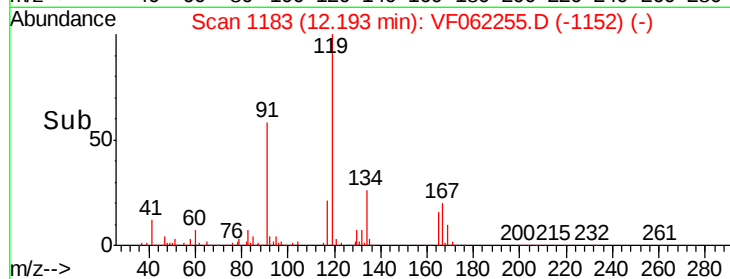
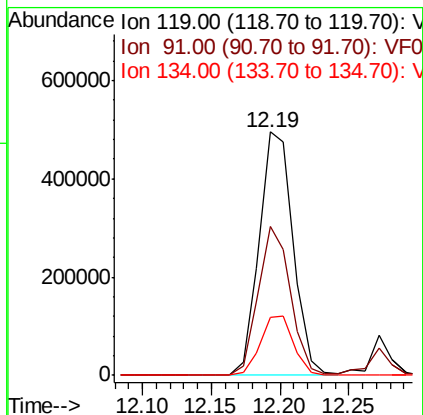
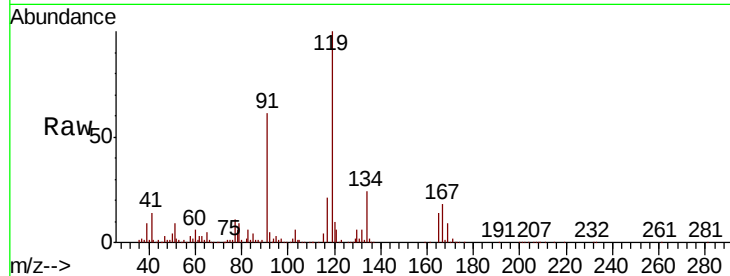




#83
 tert-Butylbenzene
 Concen: 48.751 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

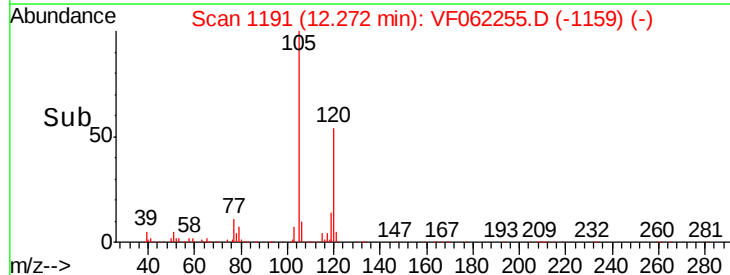
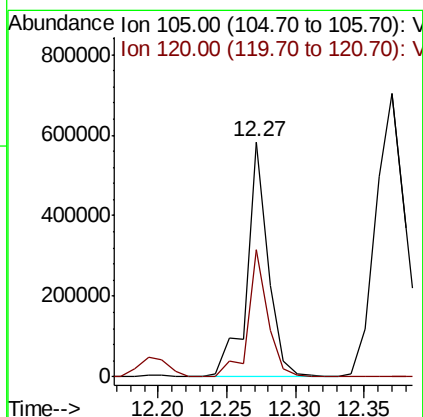
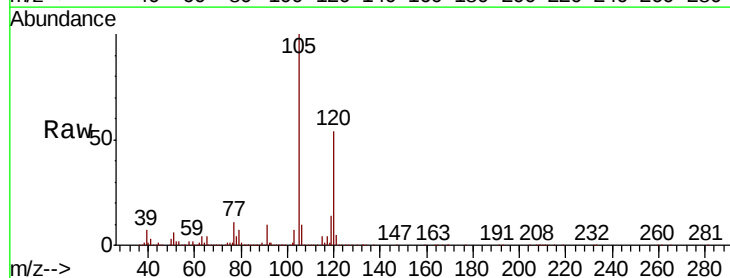
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

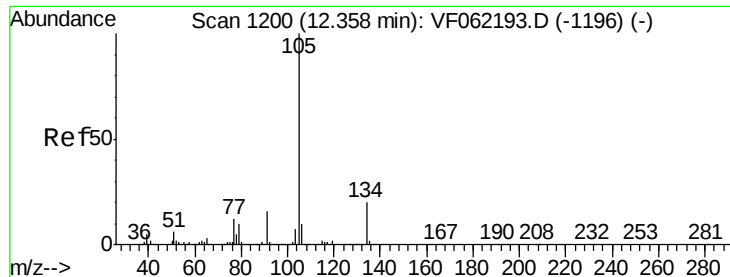
Tot Ion:119 Resp: 852366
 Ion Ratio Lower Upper
 119 100
 91 58.0 29.4 88.2
 134 23.9 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 38.243 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion:105 Resp: 625698
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.0 72.0

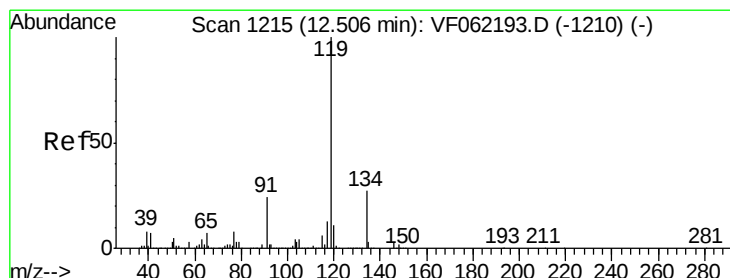
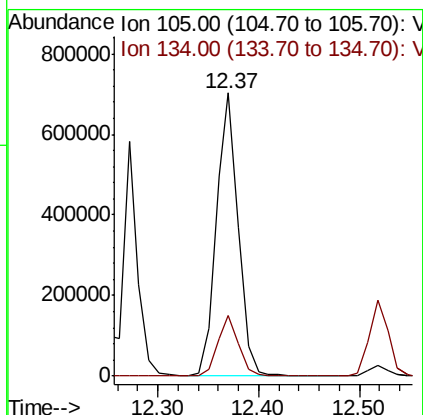
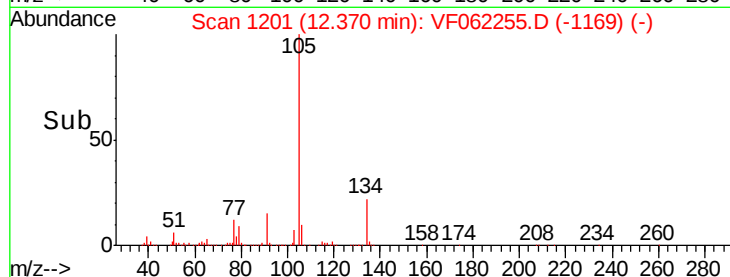
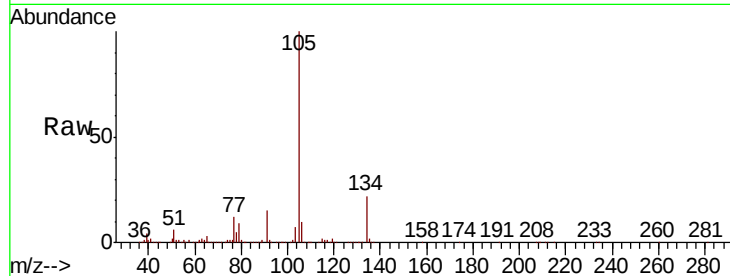




#85
 sec-Butylbenzene
 Concen: 46.620 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

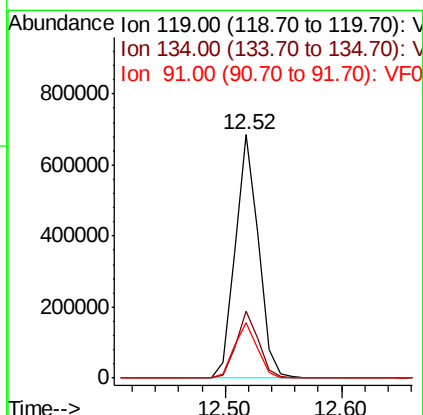
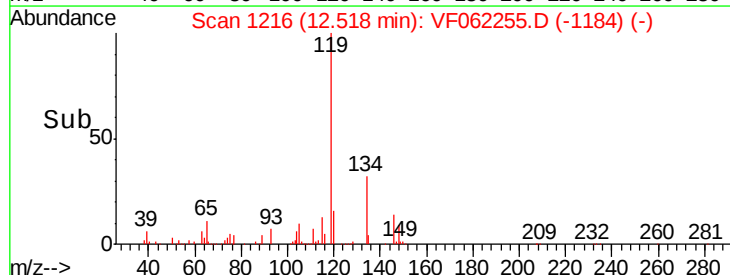
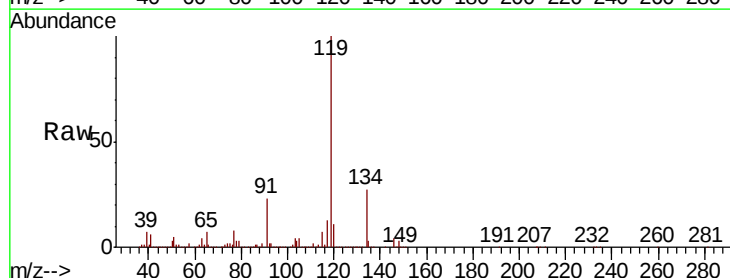
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

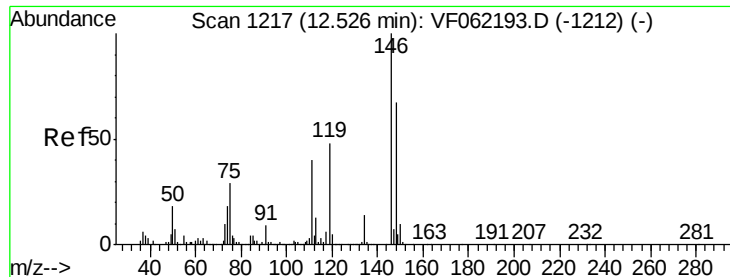
Tot Ion:105 Resp: 1058234
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 48.898 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion:119 Resp: 941525
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 22.9 11.7 35.1

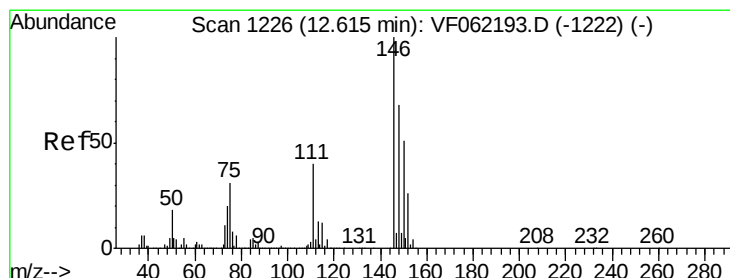
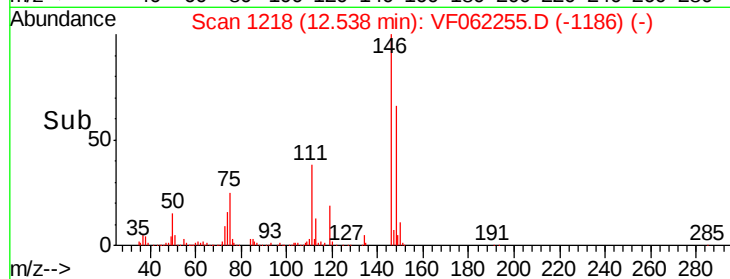
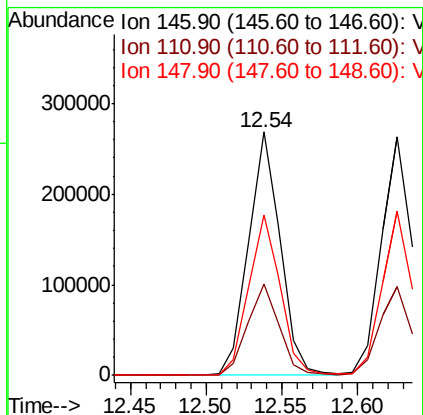
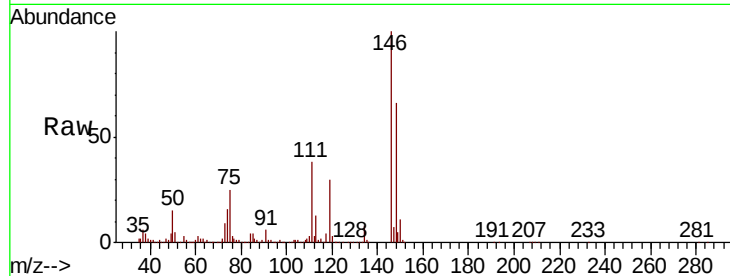




#87
 1,3-Dichlorobenzene
 Concen: 48.940 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

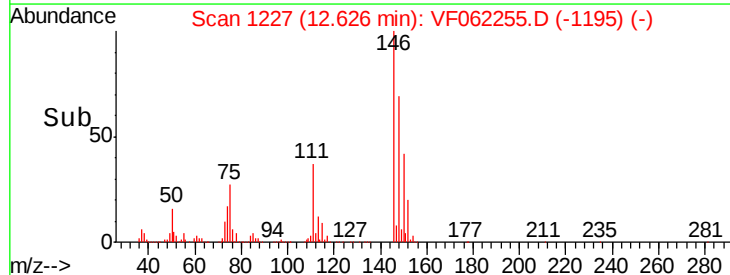
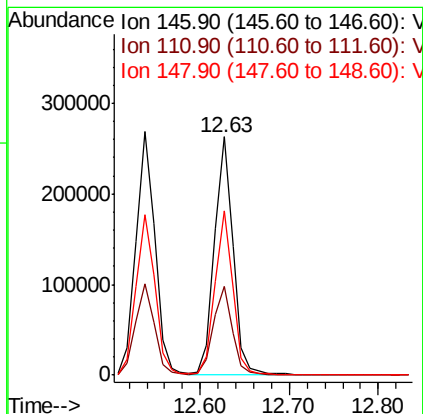
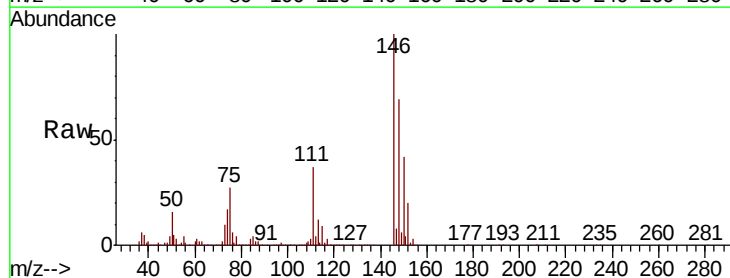
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

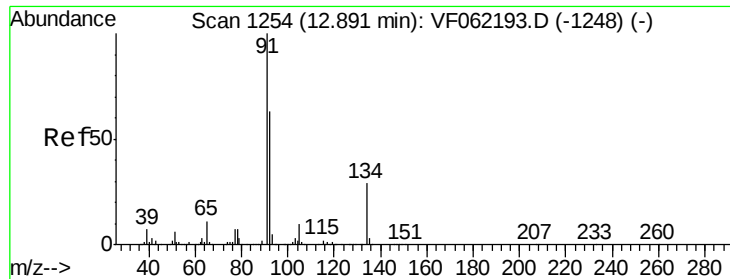
Tot Ion:146 Resp: 394927
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.7 59.0
 148 65.8 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.187 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion:146 Resp: 382851
 Ion Ratio Lower Upper
 146 100
 111 37.6 20.0 60.0
 148 67.0 33.6 100.8





#89

n-Butylbenzene

Concen: 52.057 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

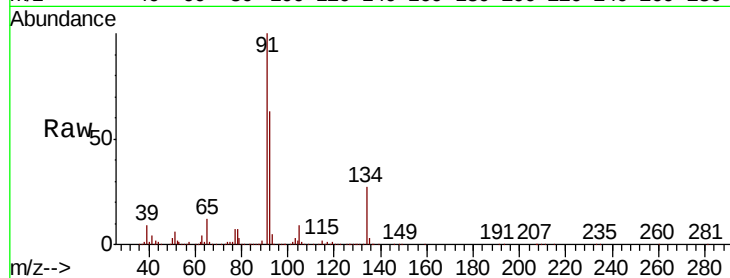
Tot Ion: 91 Resp: 820954

Ion Ratio Lower Upper

91 100

92 62.3 31.2 93.6

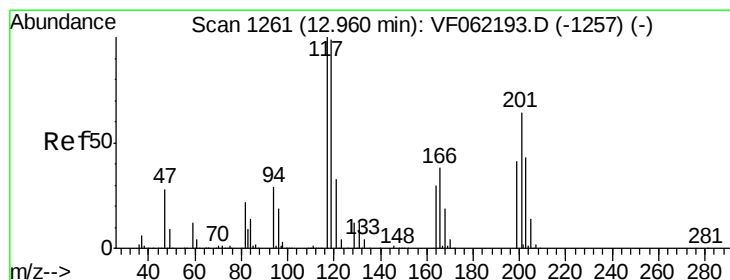
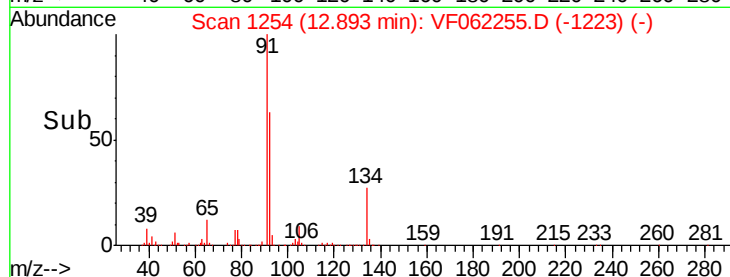
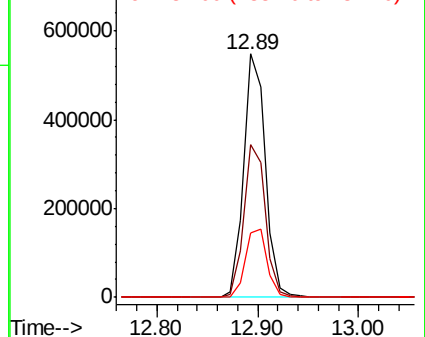
134 28.4 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.388 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062255.D

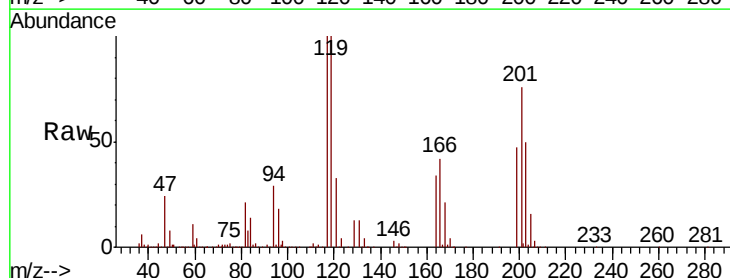
Acq: 22 Apr 2019 20:38

Tgt Ion: 117 Resp: 249140

Ion Ratio Lower Upper

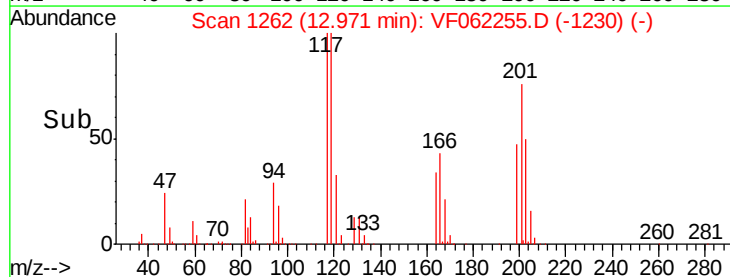
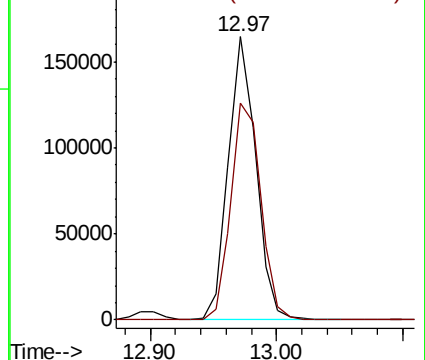
117 100

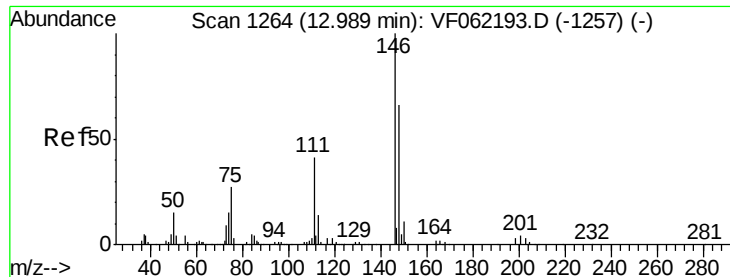
201 83.1 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.755 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

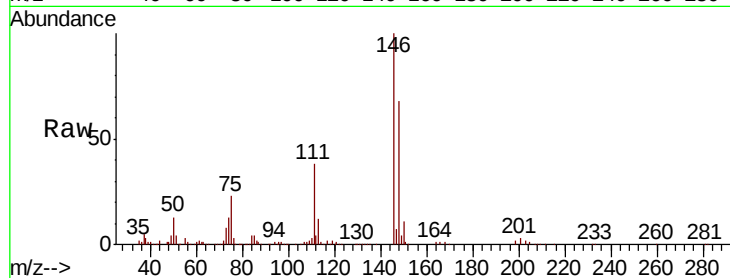
Tot Ion:146 Resp: 387685

Ion Ratio Lower Upper

146 100

111 40.2 20.8 62.5

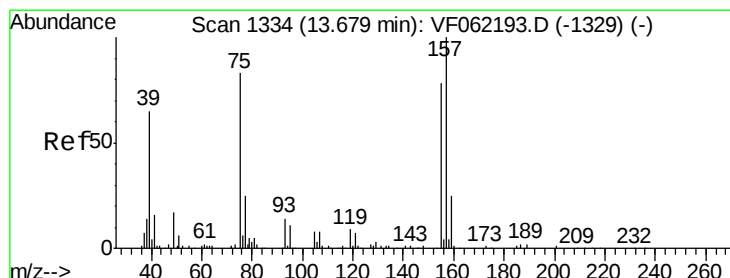
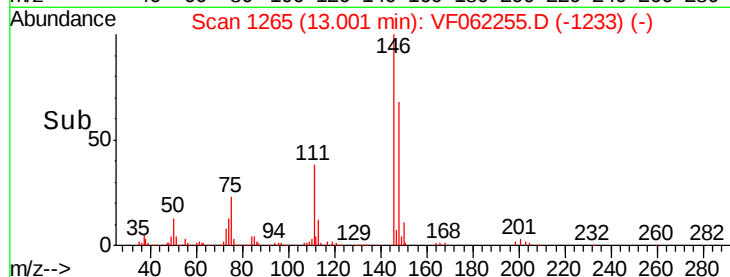
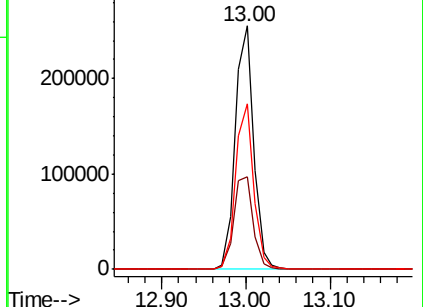
148 66.6 33.0 99.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.828 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

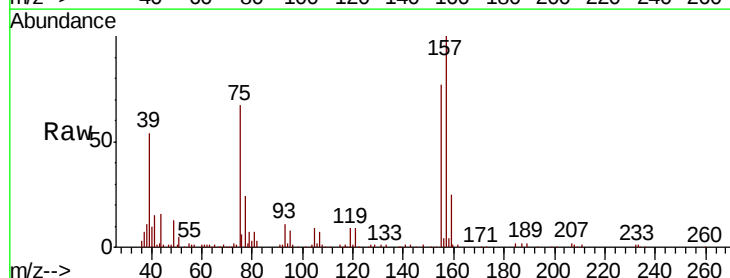
Tgt Ion: 75 Resp: 31433

Ion Ratio Lower Upper

75 100

155 105.7 47.6 142.8

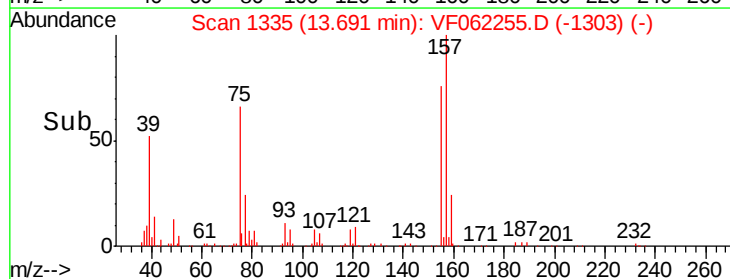
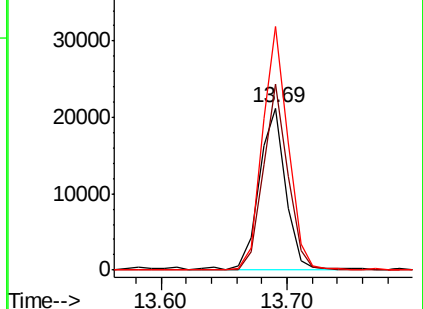
157 143.4 61.3 183.9

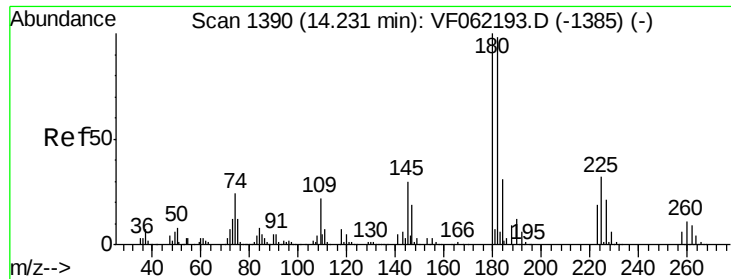


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

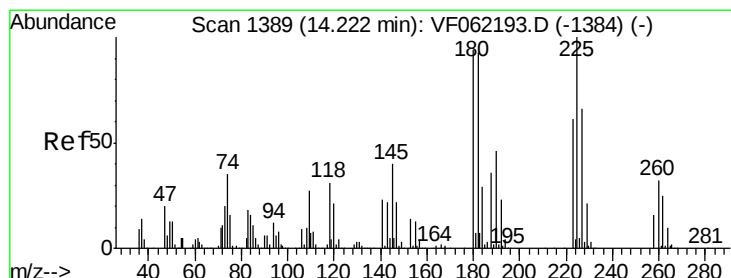
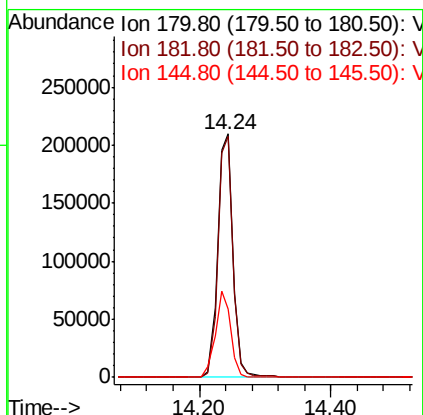
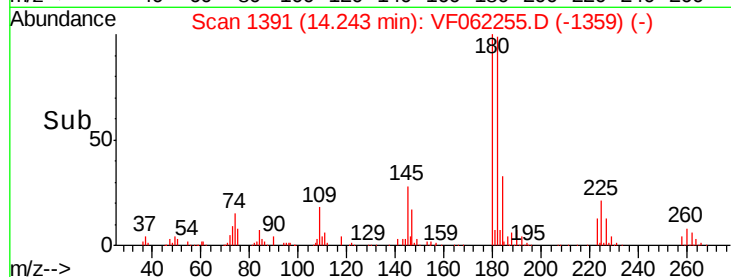
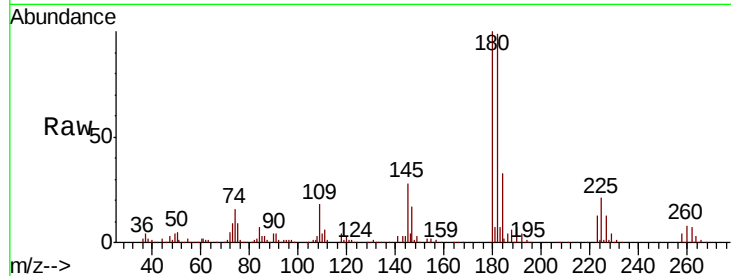




#93
 1,2,4-Trichlorobenzene
 Concen: 51.565 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

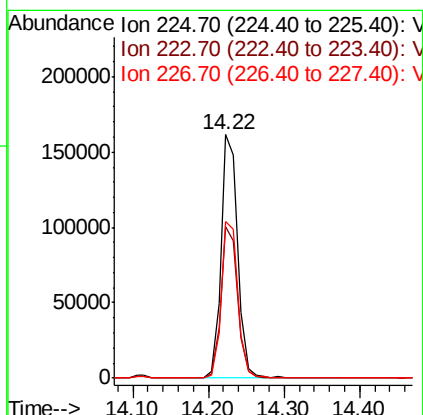
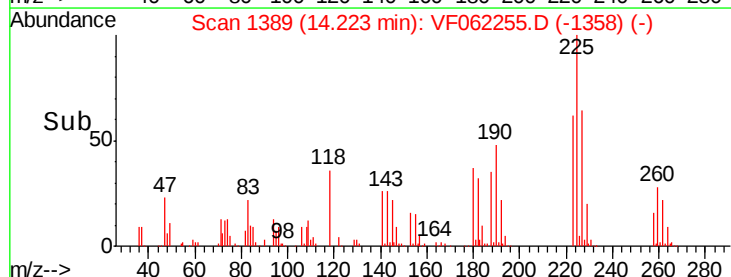
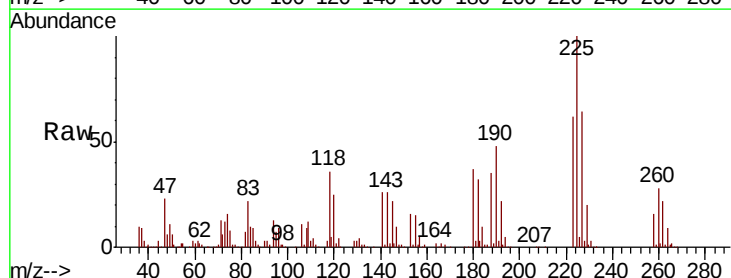
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

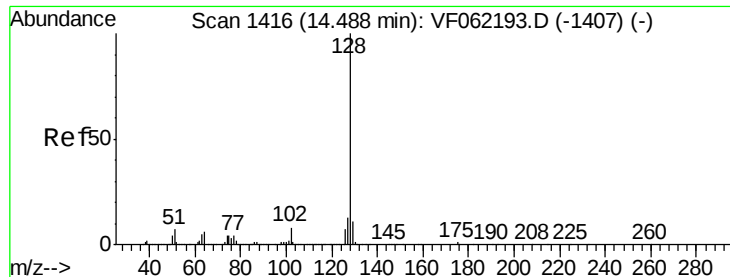
Tot Ion:180 Resp: 336171
 Ion Ratio Lower Upper
 180 100
 182 97.4 49.3 147.9
 145 35.5 18.1 54.4



#94
 Hexachlorobutadiene
 Concen: 55.706 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062255.D
 Acq: 22 Apr 2019 20:38

Tgt Ion:225 Resp: 249022
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.0 93.0
 227 64.5 32.4 97.0





#95

Naphthalene

Concen: 48.983 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

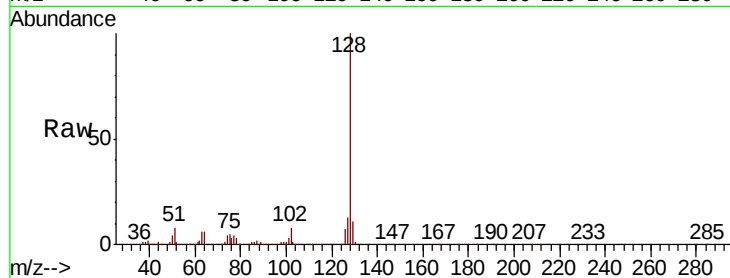
Tot Ion:128 Resp: 558372

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

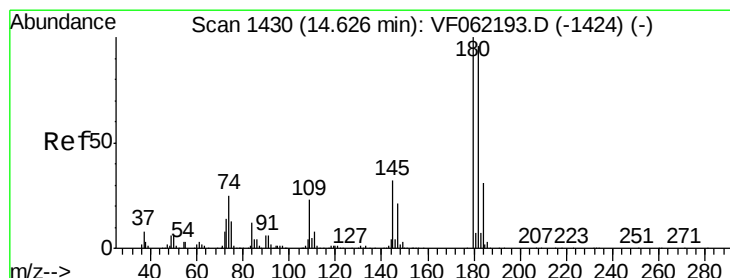
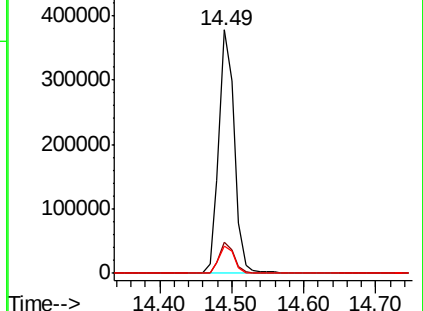
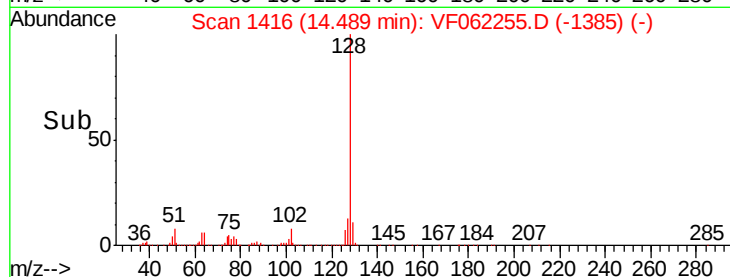
129 11.2 9.2 13.8



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: 52.831 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062255.D

Acq: 22 Apr 2019 20:38

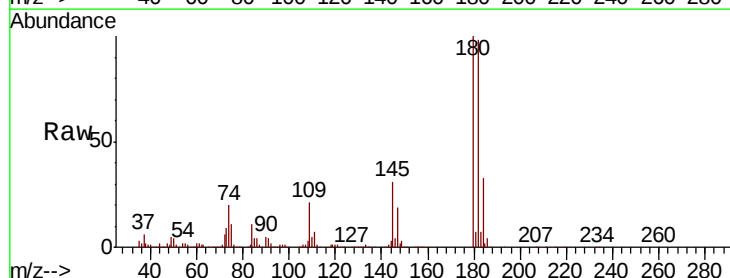
Tgt Ion:180 Resp: 330664

Ion Ratio Lower Upper

180 100

182 97.8 48.4 145.3

145 31.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

