

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062192.D
 Acq On : 17 Apr 2019 18:09
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 18 06:52:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	444908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	619120	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	485931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	260714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	76412	12.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.78%	
35) Dibromofluoromethane	4.28	113	110449	26.01	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	52.02%	
50) Toluene-d8	7.70	98	269635	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
62) 4-Bromofluorobenzene	11.48	95	104512	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	136296	25.543	ug/l	95
3) Chloromethane	1.14	50	135882	21.131	ug/l	98
4) Vinyl Chloride	1.18	62	117904	19.277	ug/l	95
5) Bromomethane	1.40	94	59508	14.786	ug/l	89
6) Chloroethane	1.44	64	45825	13.273	ug/l	92
7) Trichlorofluoromethane	1.55	101	116950	16.098	ug/l	92
8) Diethyl Ether	1.70	74	30668	10.120	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	102297	21.720	ug/l	98
10) Methyl Iodide	1.98	142	178703	32.820	ug/l #	90
11) Tert butyl alcohol	2.69	59	27294	23.121	ug/l	96
12) 1,1-Dichloroethene	1.87	96	100276	20.769	ug/l	94
13) Acrolein	2.09	56	18028	18.322	ug/l #	72
14) Allyl chloride	2.18	41	114492	11.929	ug/l	94
15) Acrylonitrile	3.07	53	96147	30.916	ug/l	99
16) Acetone	2.34	43	91018	31.543	ug/l	98
17) Carbon Disulfide	1.91	76	225653	15.105	ug/l	99
18) Methyl Acetate	2.45	43	50347	6.943	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	176656	11.235	ug/l	99
20) Methylene Chloride	2.33	84	74614	13.455	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	94490	18.474	ug/l	98
22) Diisopropyl ether	2.92	45	293500	15.163	ug/l	98
23) Vinyl Acetate	3.33	43	689437	42.969	ug/l	98
24) 1,1-Dichloroethane	3.00	63	162052	16.518	ug/l	99
25) 2-Butanone	4.51	43	185166	39.696	ug/l	97
26) 2,2-Dichloropropane	3.75	77	81645	11.624	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	122879	20.658	ug/l	98
28) Bromochloromethane	3.89	49	84620	18.448	ug/l #	93
29) Tetrahydrofuran	4.25	42	82919	27.005	ug/l	97
30) Chloroform	4.03	83	194804	21.034	ug/l	96
31) Cyclohexane	3.86	56	185119	18.608	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	148969	20.547	ug/l #	81
36) 1,1-Dichloropropene	4.45	75	151748	22.862	ug/l	98
37) Ethyl Acetate	4.29	43	68837	9.272	ug/l #	96
38) Carbon Tetrachloride	4.17	117	135967	24.516	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	176399	22.008	ug/l	99
40) Benzene	4.81	78	394501	20.725	ug/l	99
41) Methacrylonitrile	4.93	41	39651	9.236	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	104817	16.175	ug/l	100
43) Isopropyl Acetate	7.10	43	67093	5.736	ug/l	97
44) Trichloroethene	5.66	130	105677	22.130	ug/l	97
45) 1,2-Dichloropropane	6.39	63	83623	16.429	ug/l	96
46) Dibromomethane	6.25	93	57360	18.801	ug/l	98
47) Bromodichloromethane	6.54	83	131533	21.721	ug/l	99
48) Methyl methacrylate	6.86	41	47304	8.061	ug/l	96
49) 1,4-Dioxane	6.86	88	10413	95.730	ug/l	89
51) 4-Methyl-2-Pentanone	8.39	43	268994	35.794	ug/l	100
52) Toluene	7.76	92	203274	18.078	ug/l	99
53) t-1,3-Dichloropropene	8.40	75	97772	15.007	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	130361	17.365	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	57081	13.470	ug/l	96
56) Ethyl methacrylate	8.74	69	59705	8.251	ug/l	96
57) 1,3-Dichloropropane	8.98	76	91040	12.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	95284	25.218	ug/l	98
59) 2-Hexanone	9.61	43	167718	29.252	ug/l	97
60) Dibromochloromethane	8.84	129	83227	19.429	ug/l	99
61) 1,2-Dibromoethane	9.11	107	63859	14.484	ug/l	99
64) Tetrachloroethene	8.29	164	84716	22.088	ug/l	98
65) Chlorobenzene	9.91	112	204934	19.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	95477	24.901	ug/l	94
67) Ethyl Benzene	10.01	91	379869	20.175	ug/l	96
68) m/p-Xylenes	10.25	106	272253	39.741	ug/l	97
69) o-Xylene	10.80	106	150705	21.940	ug/l	97
70) Styrene	10.88	104	212940	18.710	ug/l	99
71) Bromoform	10.87	173	48151	17.074	ug/l #	99
73) Isopropylbenzene	11.20	105	453388	22.278	ug/l	97
74) N-amyl acetate	11.44	43	114353	11.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	74030	11.003	ug/l	97
76) 1,2,3-Trichloropropane	11.85	75	51002	8.773	ug/l #	64
77) Bromobenzene	11.57	156	96858	19.361	ug/l	97
78) n-propylbenzene	11.66	91	473667	20.784	ug/l	98
79) 2-Chlorotoluene	11.79	91	290975	20.998	ug/l	100
80) 1,3,5-Trimethylbenzene	11.88	105	378412	22.249	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	32518	14.291	ug/l #	88
82) 4-Chlorotoluene	11.96	91	275894	17.707	ug/l	100
83) tert-Butylbenzene	12.19	119	394162	23.732	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	367581	21.487	ug/l	97
85) sec-Butylbenzene	12.36	105	509011	25.298	ug/l	98
86) p-Isopropyltoluene	12.51	119	446354	24.590	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	180524	20.569	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	168088	18.934	ug/l	97
89) n-Butylbenzene	12.89	91	428372	25.703	ug/l	96
90) Hexachloroethane	12.96	117	111028	33.359	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	173721	20.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	14299	9.445	ug/l	99

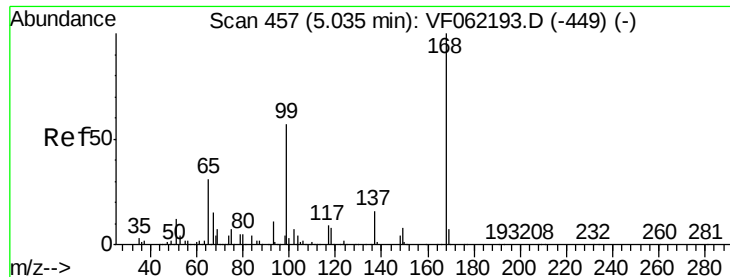
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	146293	22.870	ug/l	98
94) Hexachlorobutadiene	14.22	225	100379	29.192	ug/l	100
95) Naphthalene	14.49	128	243152	12.915	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	137092	21.585	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

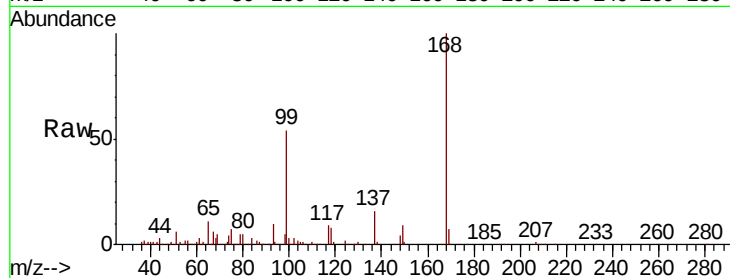
VSTDIC020

Tot Ion:168 Resp: 444908

Ion Ratio Lower Upper

168 100

99 53.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.03

150000

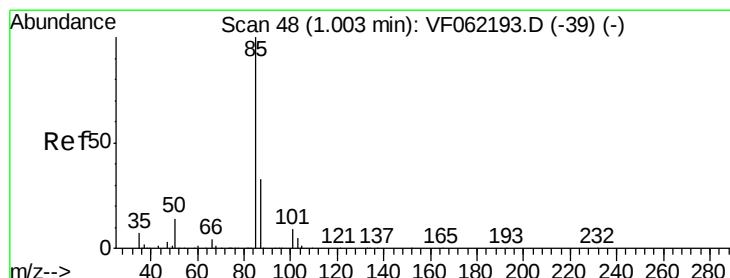
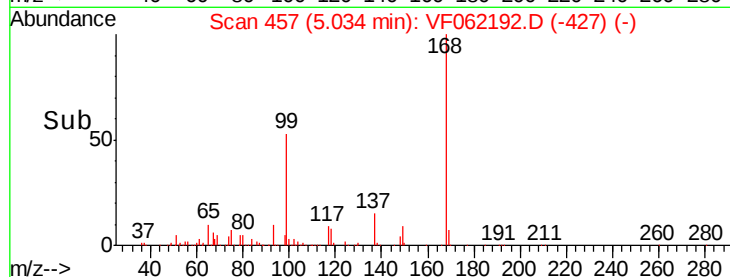
100000

50000

0

4.80 5.00 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 25.543 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062192.D

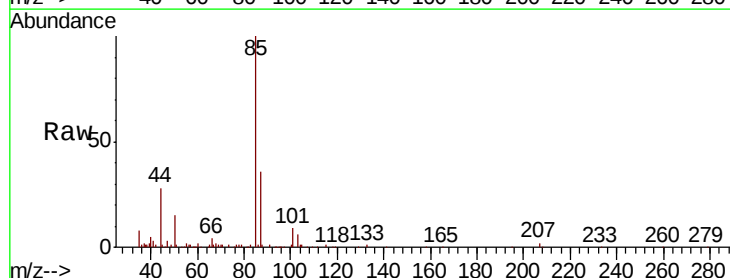
Acq: 17 Apr 2019 18:09

Tgt Ion: 85 Resp: 136296

Ion Ratio Lower Upper

85 100

87 35.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

30000

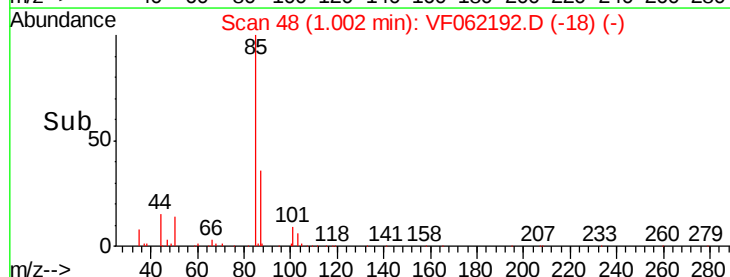
20000

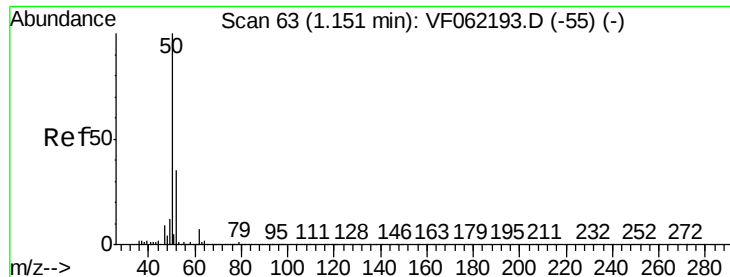
10000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 21.131 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

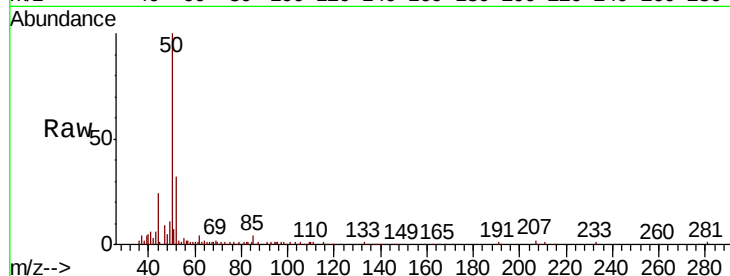
VSTDIC020

Tot Ion: 50 Resp: 135882

Ion Ratio Lower Upper

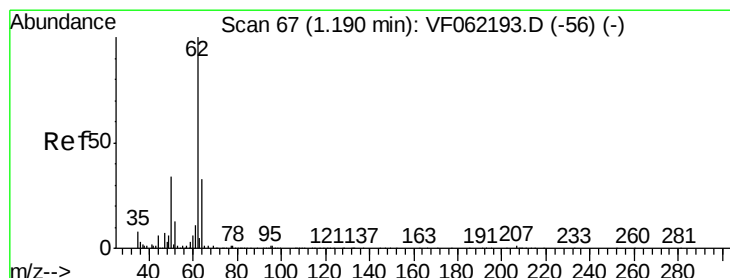
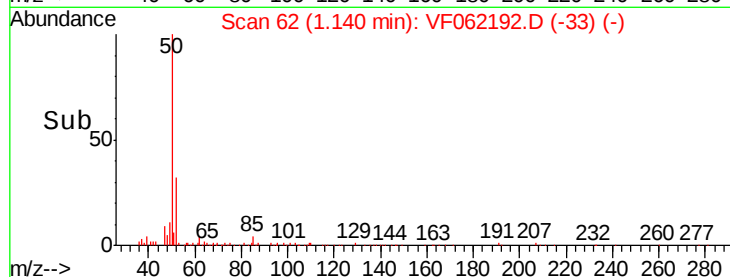
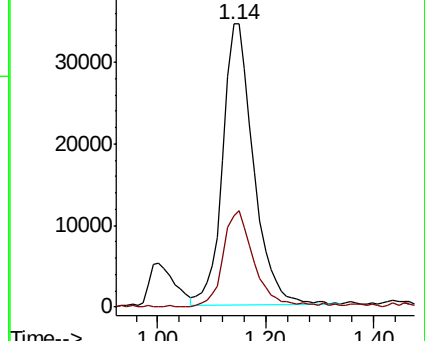
50 100

52 32.7 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 19.277 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062192.D

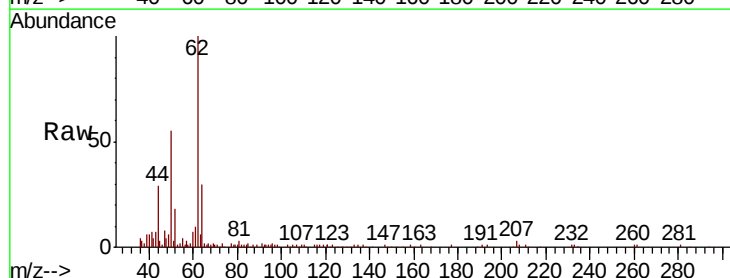
Acq: 17 Apr 2019 18:09

Tgt Ion: 62 Resp: 117904

Ion Ratio Lower Upper

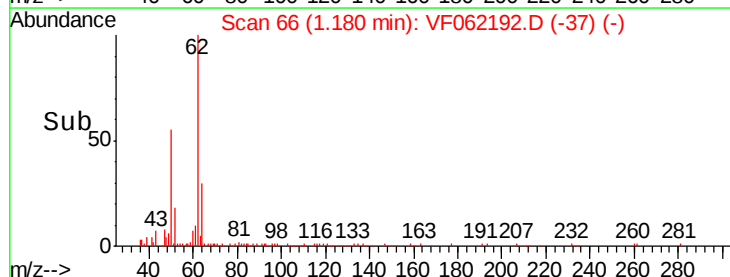
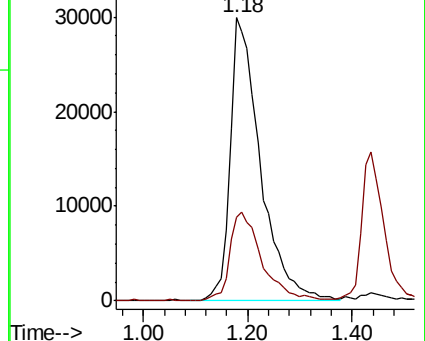
62 100

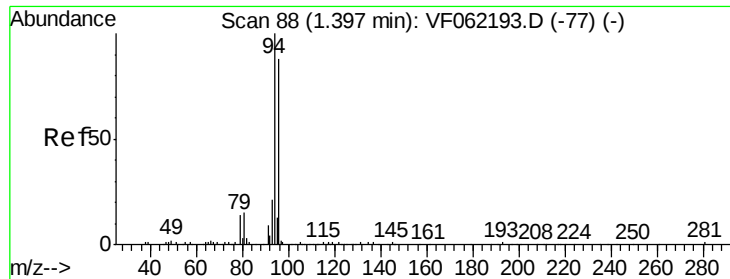
64 29.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 14.786 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

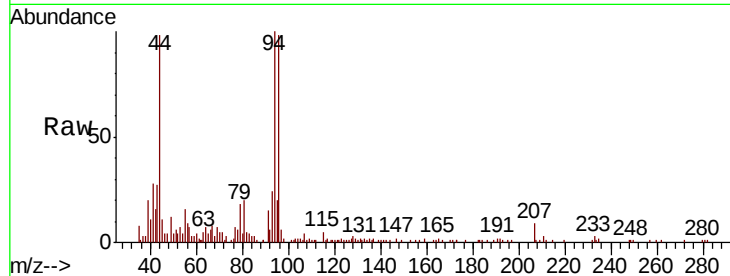
VSTDIC020

Tot Ion: 94 Resp: 59508

Ion Ratio Lower Upper

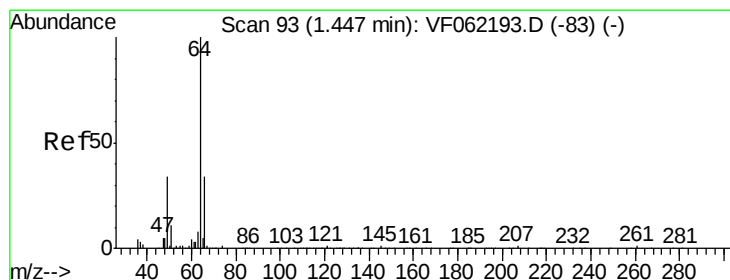
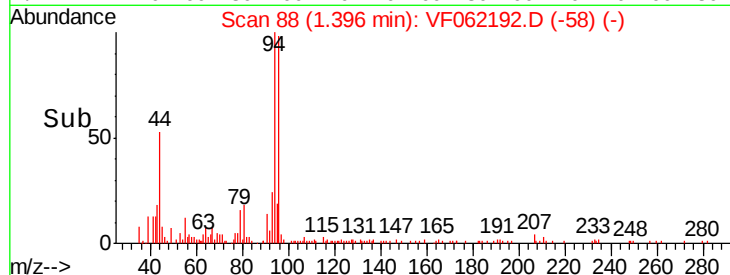
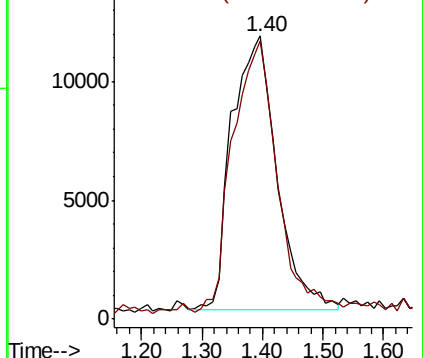
94 100

96 98.1 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 13.273 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062192.D

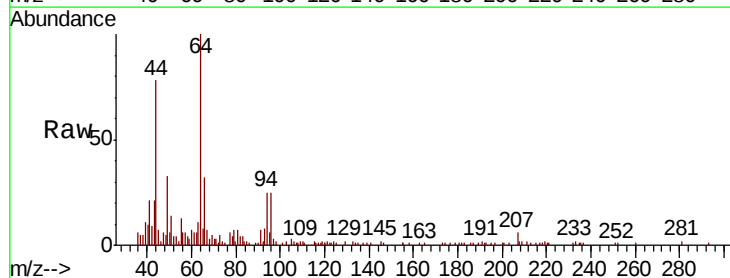
Acq: 17 Apr 2019 18:09

Tgt Ion: 64 Resp: 45825

Ion Ratio Lower Upper

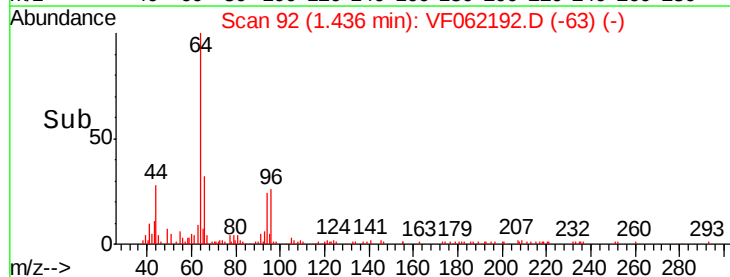
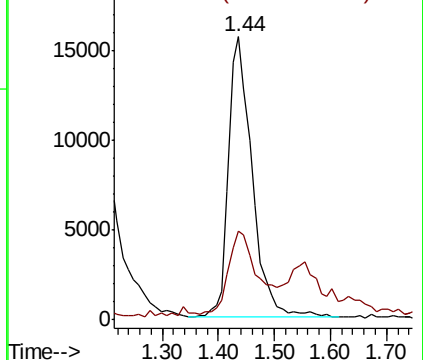
64 100

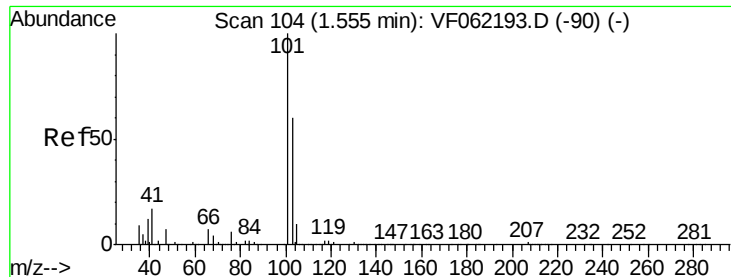
66 29.4 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



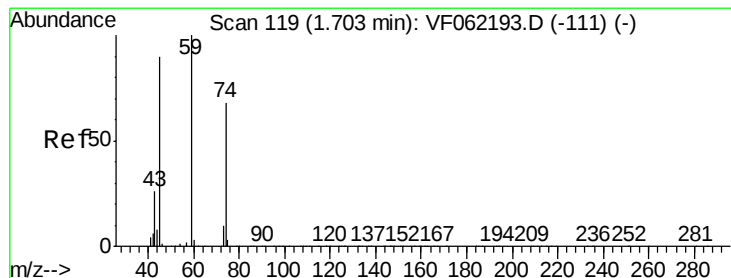
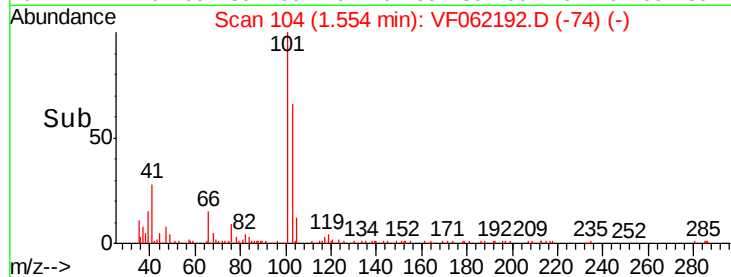
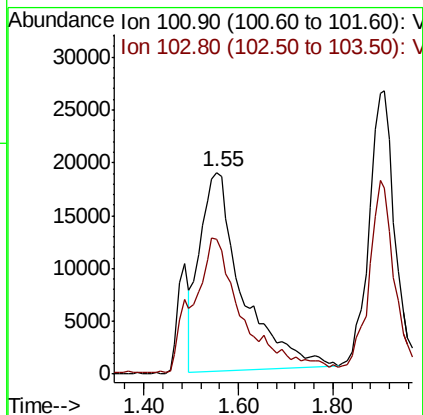
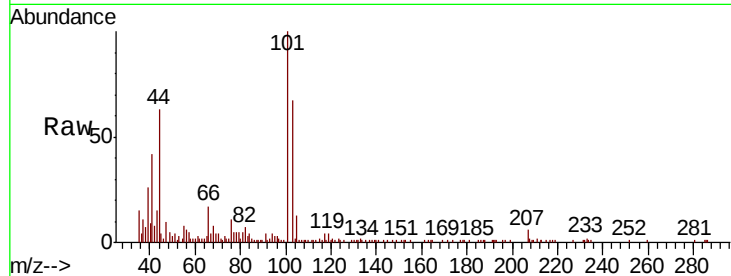


#7

Trichlorofluoromethane
 Concen: 16.098 ug/l
 RT: 1.55 min Scan# 104
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Instrument :
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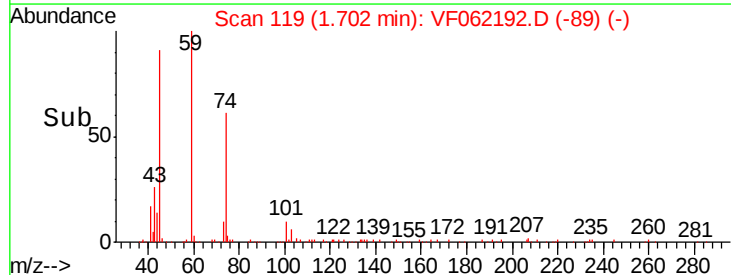
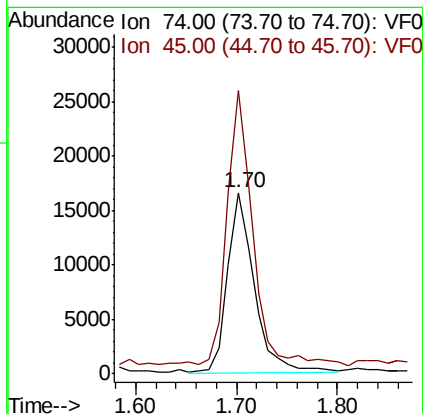
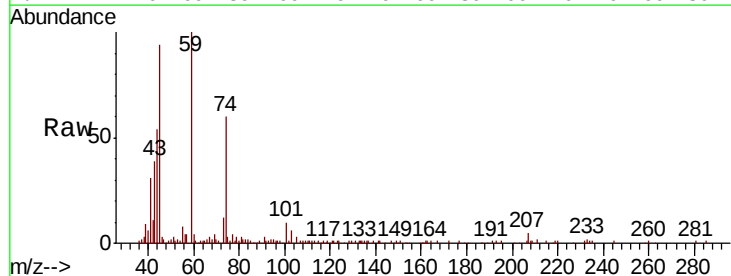
Tot Ion:101 Resp: 116950
 Ion Ratio Lower Upper
 101 100
 103 66.1 48.2 72.4

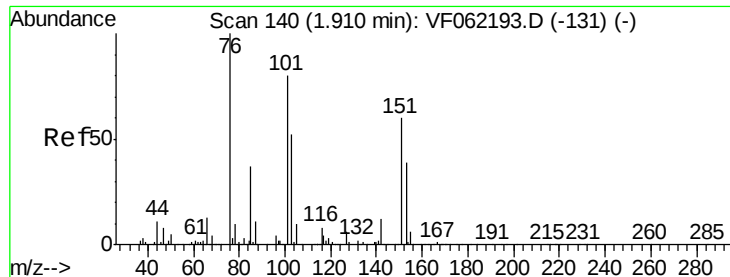


#8

Diethyl Ether
 Concen: 10.120 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion: 74 Resp: 30668
 Ion Ratio Lower Upper
 74 100
 45 148.5 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.720 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

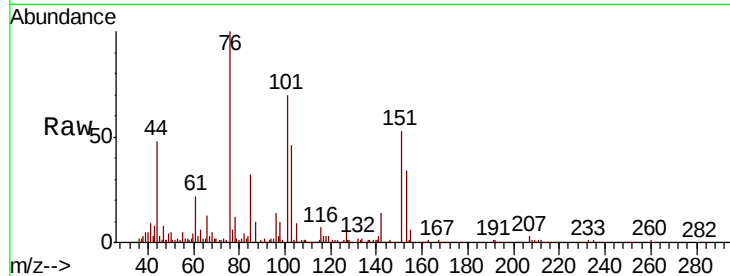
Tot Ion:101 Resp: 102297

Ion Ratio Lower Upper

101 100

85 44.2 35.3 52.9

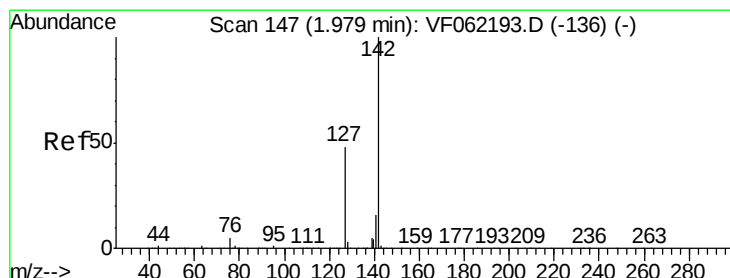
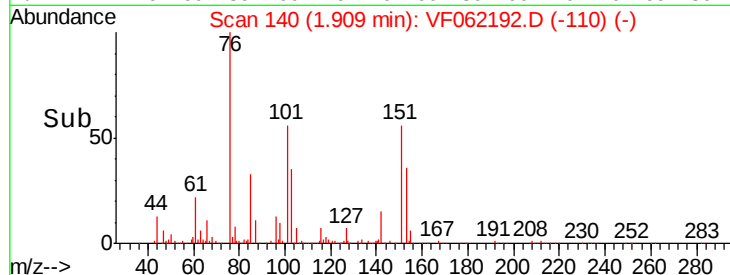
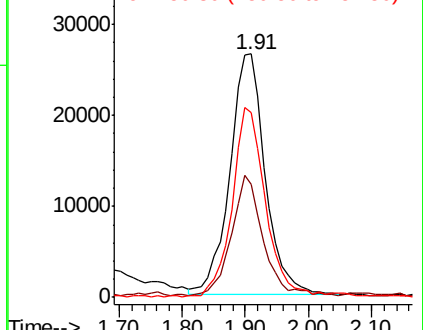
151 74.2 57.5 86.3



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: 32.820 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

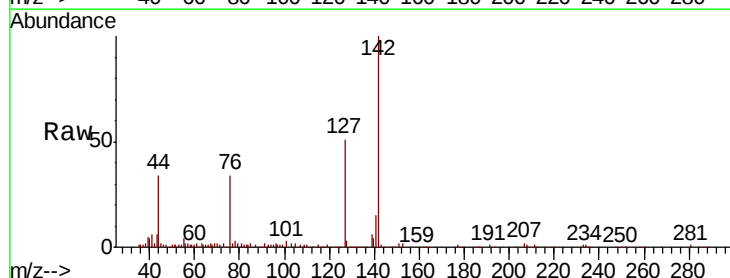
Tgt Ion:142 Resp: 178703

Ion Ratio Lower Upper

142 100

127 50.0 33.0 49.4#

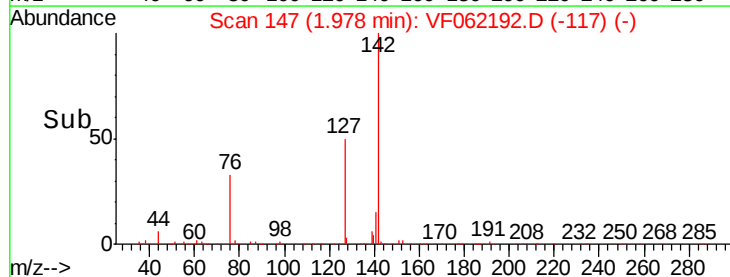
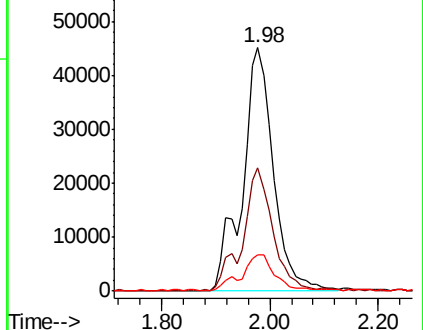
141 15.9 12.7 19.1

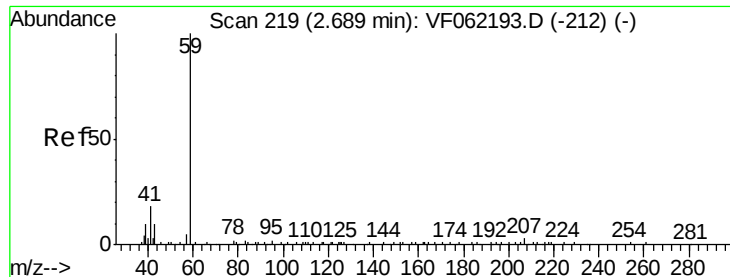


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



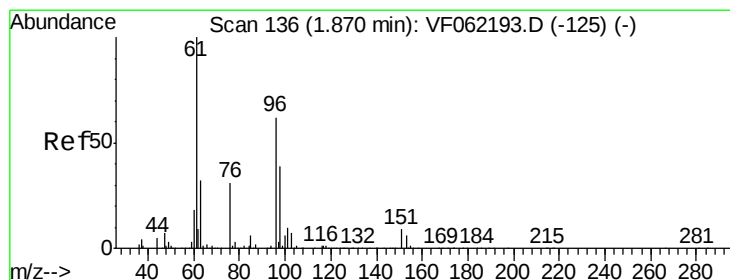
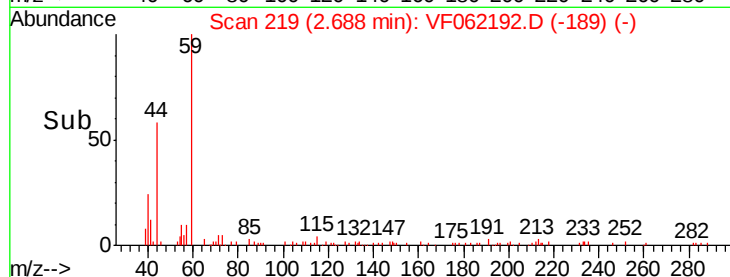
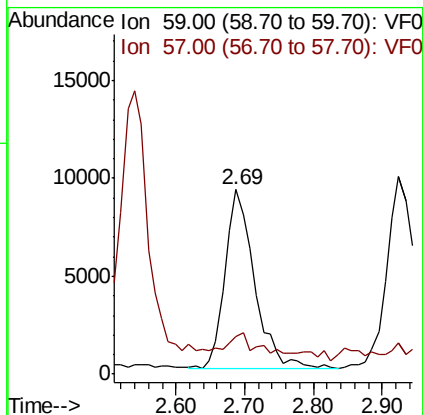
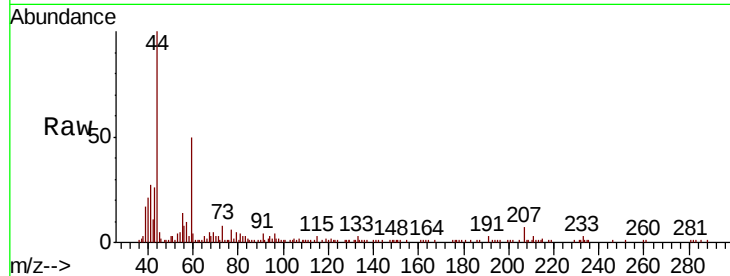


#11

Tert butyl alcohol
Concen: 23.121 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

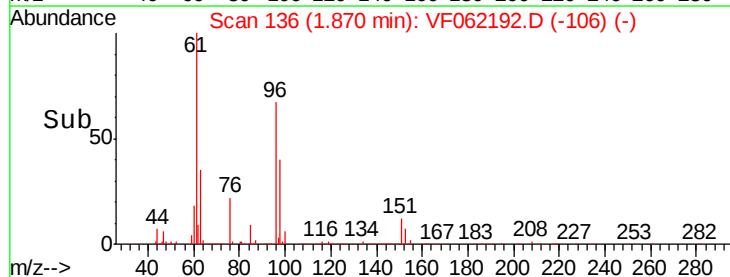
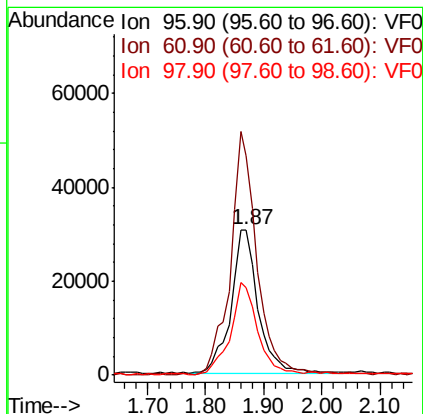
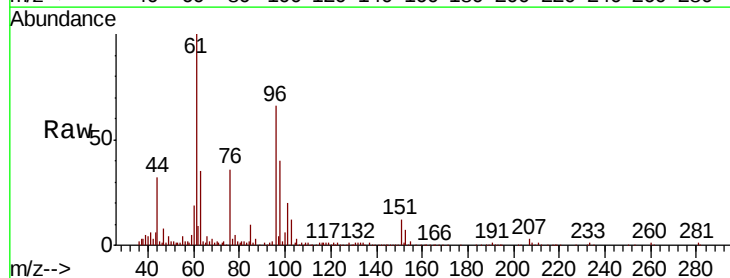
Tot Ion: 59 Resp: 27294
Ion Ratio Lower Upper
59 100
57 10.0 9.3 13.9

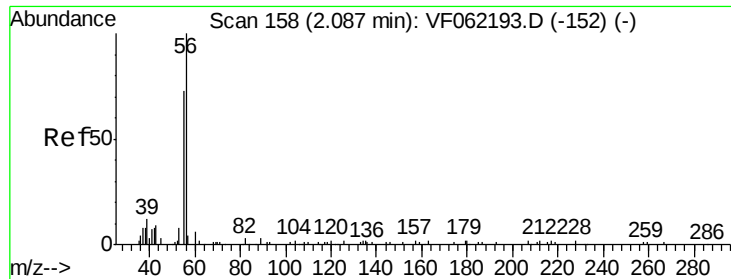


#12

1,1-Dichloroethene
Concen: 20.769 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 96 Resp: 100276
Ion Ratio Lower Upper
96 100
61 152.0 129.1 193.7
98 60.1 50.0 75.0

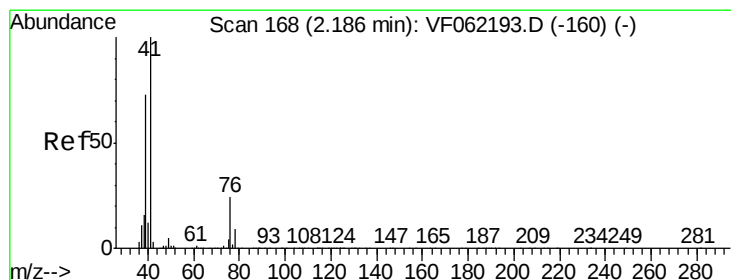
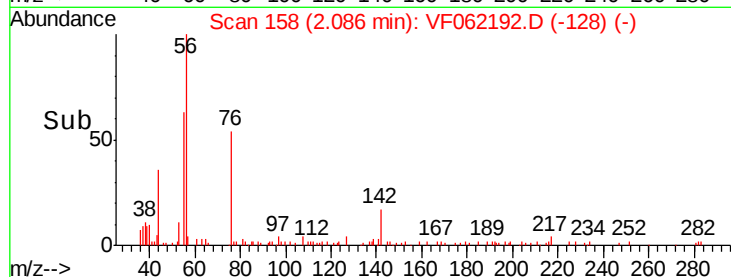
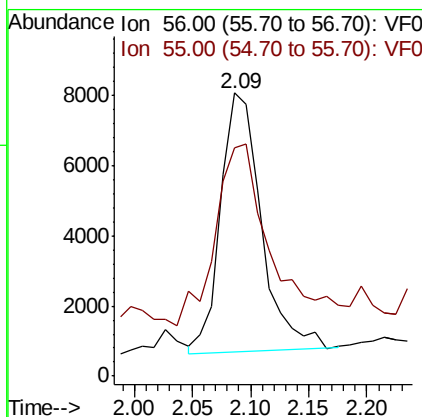
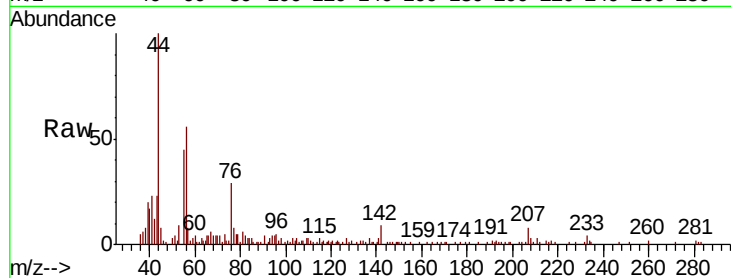




#13
Acrolein
Concen: 18.322 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

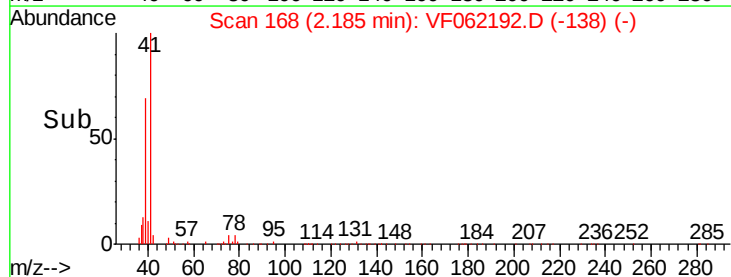
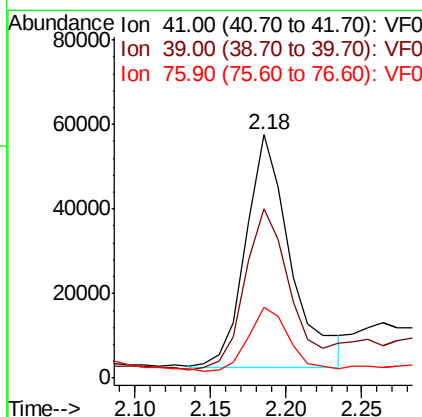
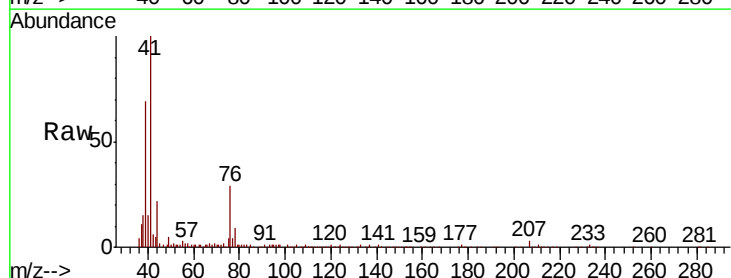
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

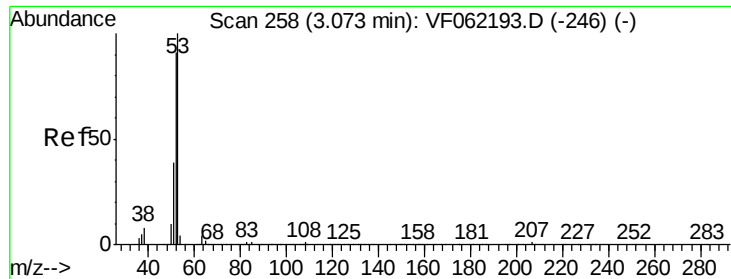
Tot Ion: 56 Resp: 18028
Ion Ratio Lower Upper
56 100
55 95.4 57.4 86.0#



#14
Allyl chloride
Concen: 11.929 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 41 Resp: 114492
Ion Ratio Lower Upper
41 100
39 69.0 60.0 90.0
76 25.0 20.6 30.8





#15

Acrylonitrile

Concen: 30.916 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

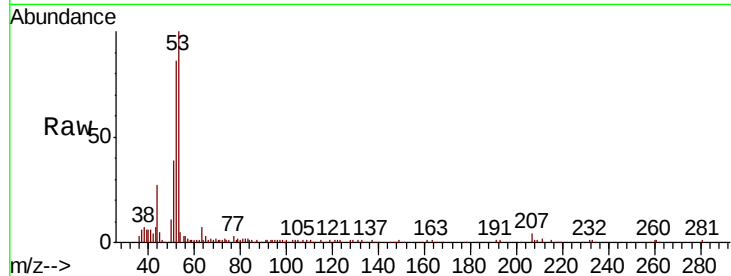
MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 96147

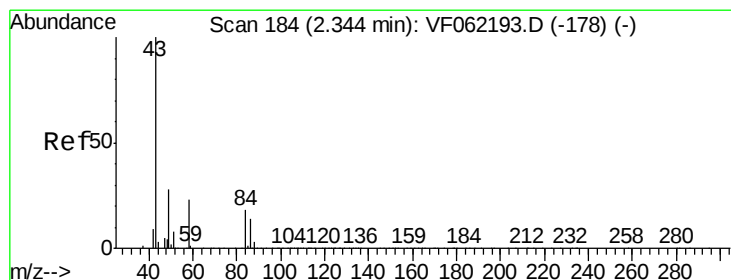
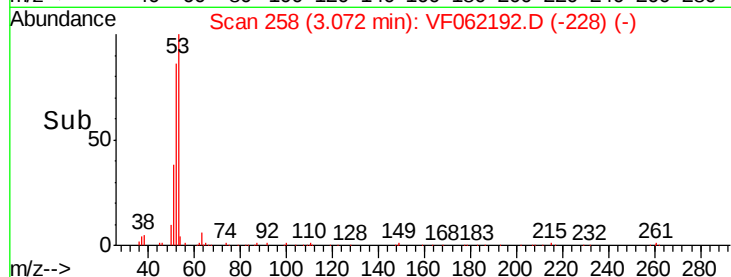
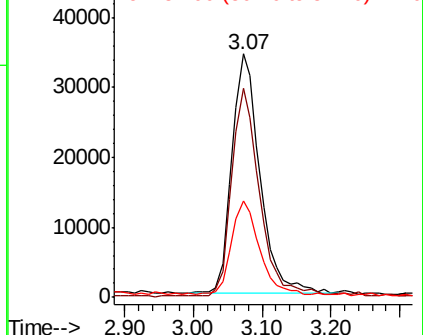
Ion	Ratio	Lower	Upper
53	100		
52	87.0	69.5	104.3
51	38.6	31.8	47.8



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: 31.543 ug/l

RT: 2.34 min Scan# 184

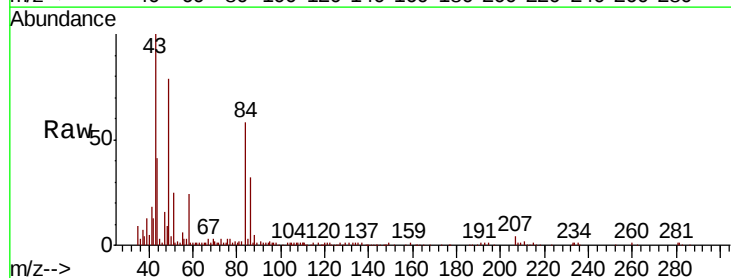
Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

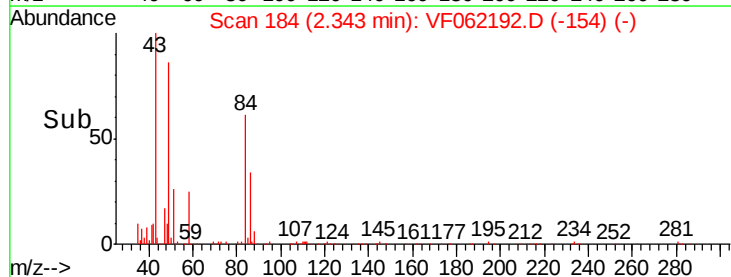
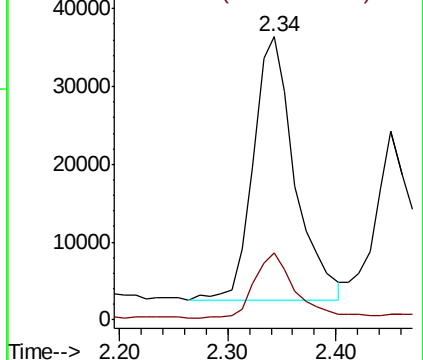
Tgt Ion: 43 Resp: 91018

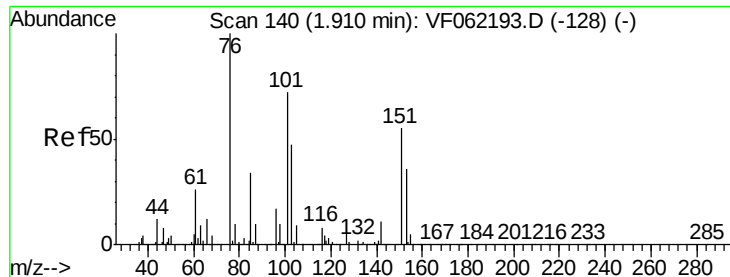
Ion	Ratio	Lower	Upper
43	100		
58	24.6	18.8	28.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 15.105 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

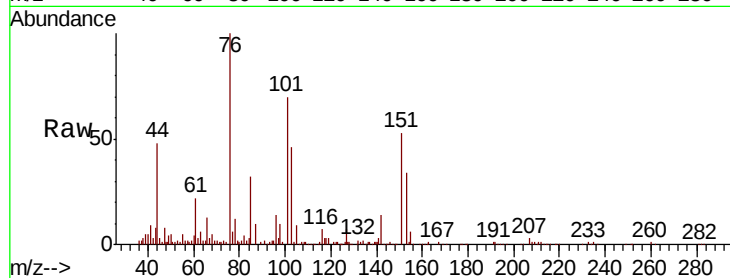
VSTDIC020

Tot Ion: 76 Resp: 225653

Ion Ratio Lower Upper

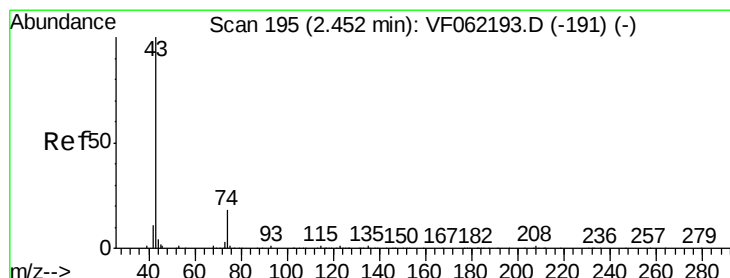
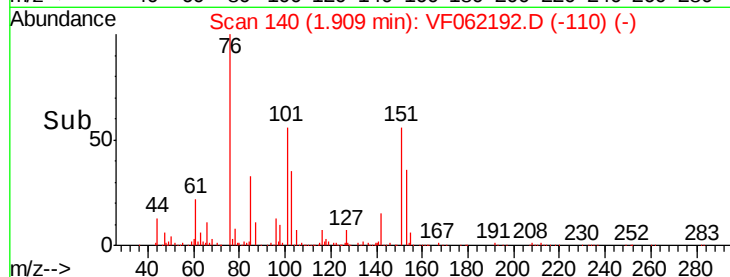
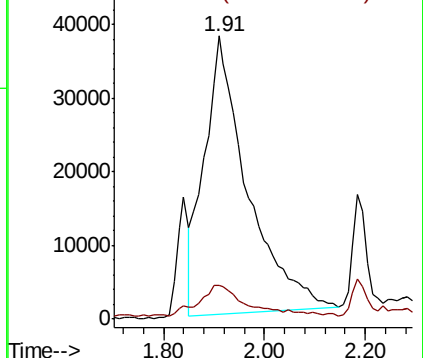
76 100

78 11.4 8.7 13.1



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 6.943 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062192.D

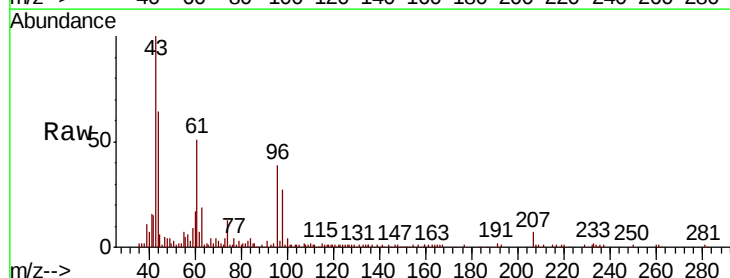
Acq: 17 Apr 2019 18:09

Tgt Ion: 43 Resp: 50347

Ion Ratio Lower Upper

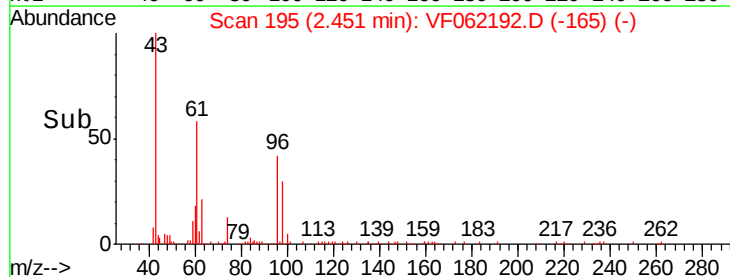
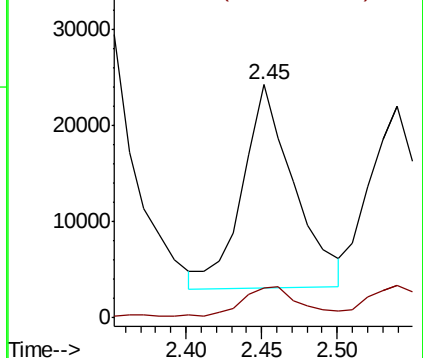
43 100

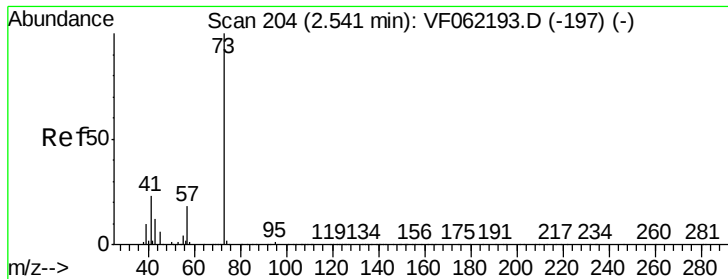
74 16.3 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



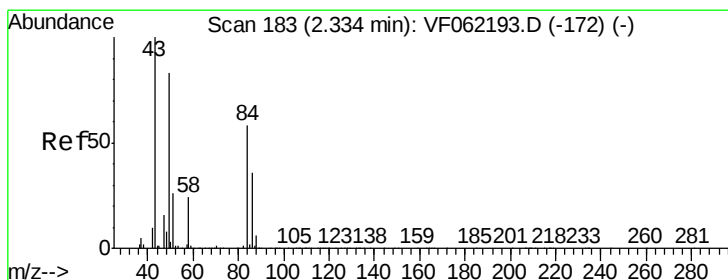
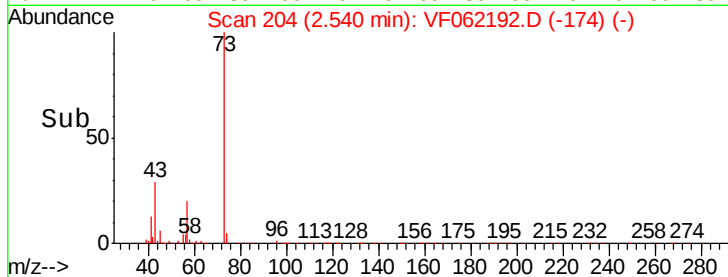
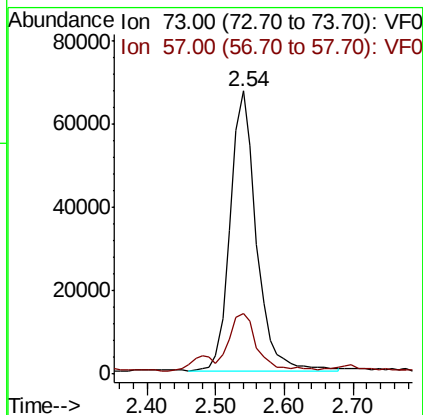
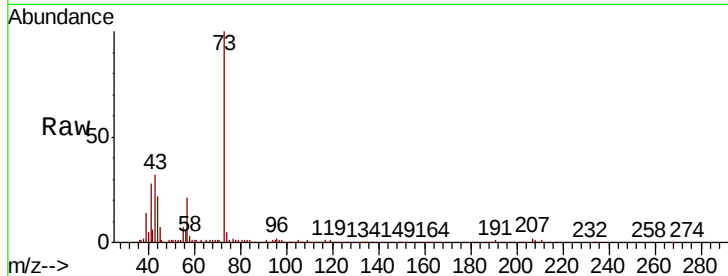


#19

Methyl tert-butyl Ether
 Concen: 11.235 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

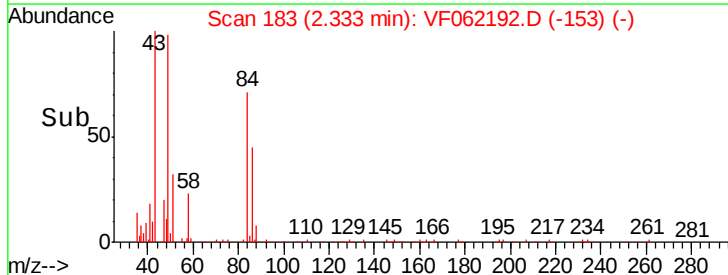
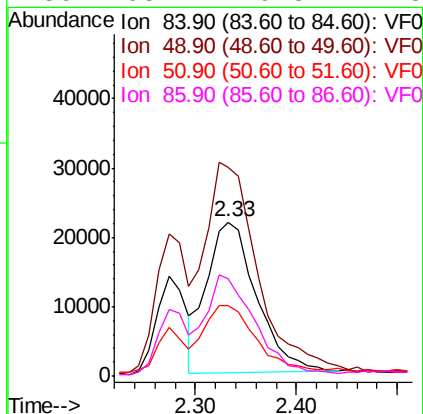
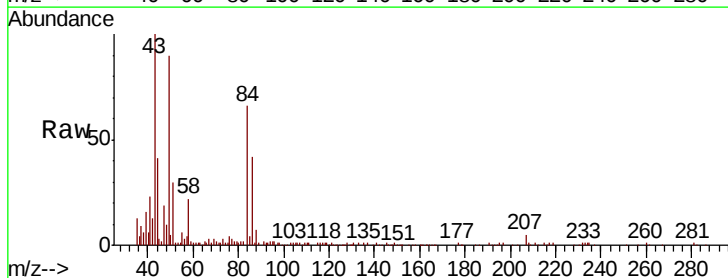
Tot Ion: 73 Resp: 176656
 Ion Ratio Lower Upper
 73 100
 57 19.2 15.1 22.7

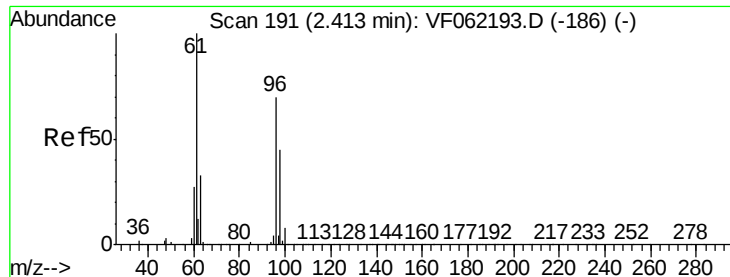


#20

Methylene Chloride
 Concen: 13.455 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion: 84 Resp: 74614
 Ion Ratio Lower Upper
 84 100
 49 132.6 114.0 171.0
 51 42.7 37.0 55.4
 86 63.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.474 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

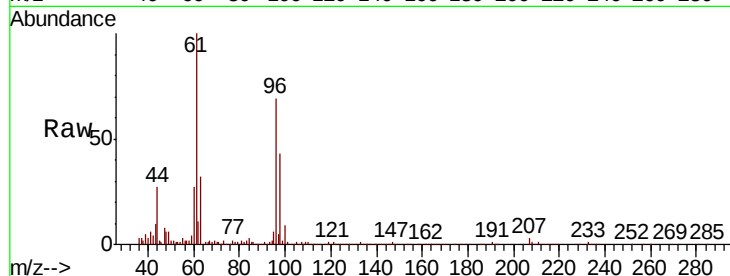
Tot Ion: 96 Resp: 94490

Ion Ratio Lower Upper

96 100

61 146.8 114.6 172.0

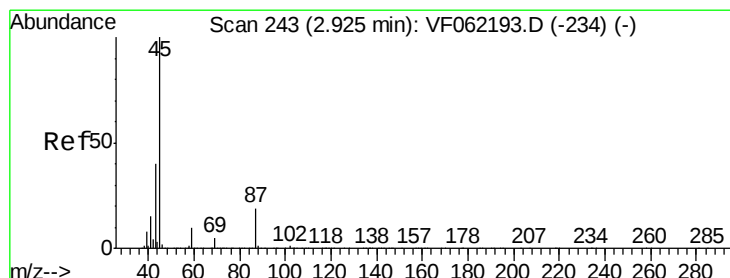
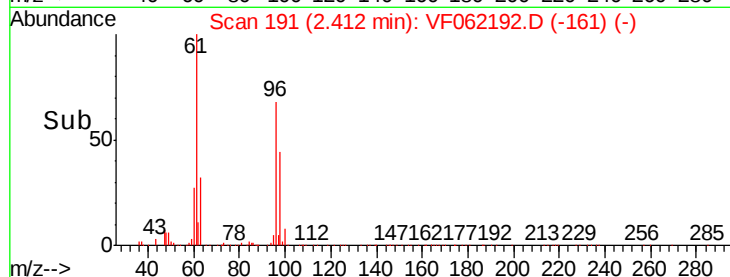
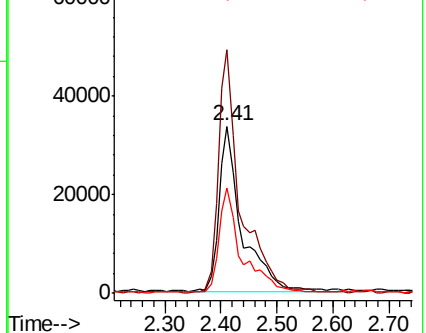
98 63.1 51.2 76.8



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: 15.163 ug/l

RT: 2.92 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Tgt Ion: 45 Resp: 293500

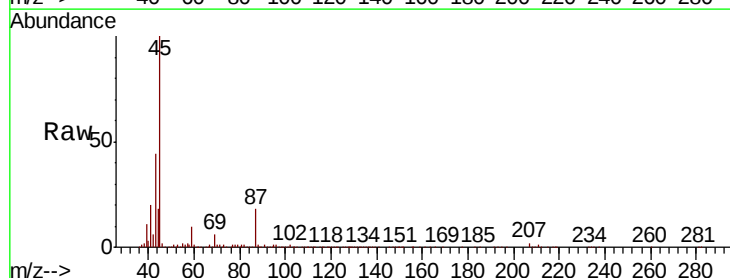
Ion Ratio Lower Upper

45 100

43 42.6 32.8 49.2

87 17.9 15.2 22.8

59 9.8 7.8 11.6

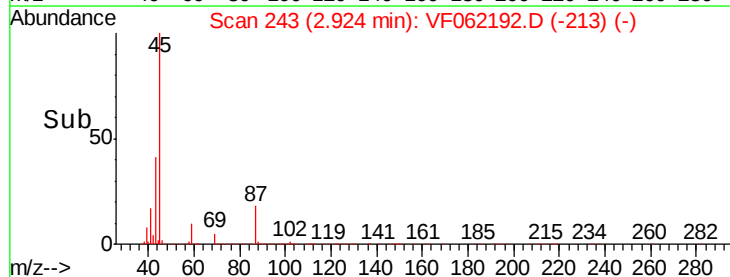
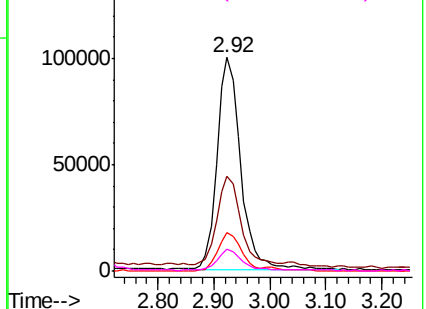


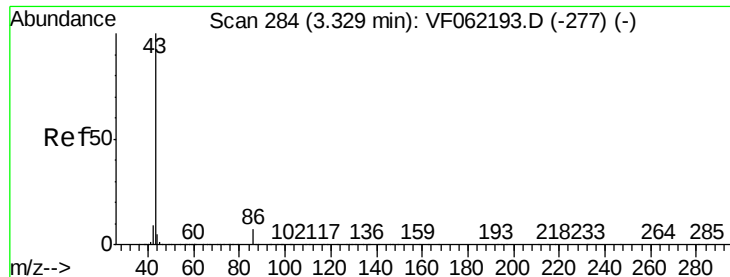
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 42.969 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

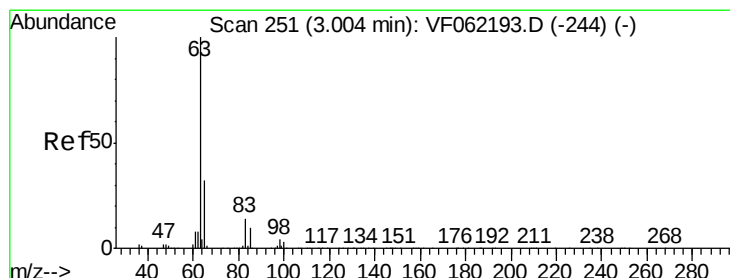
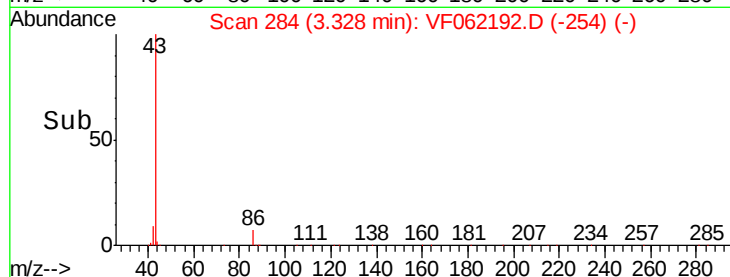
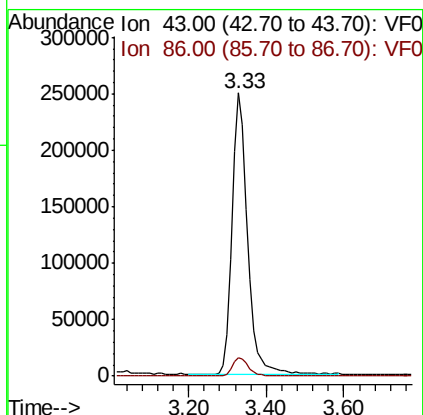
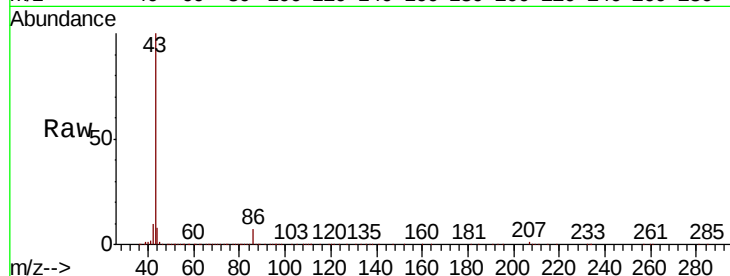
VSTDIC020

Tot Ion: 43 Resp: 689437

Ion Ratio Lower Upper

43 100

86 6.8 5.9 8.9



#24

1,1-Dichloroethane

Concen: 16.518 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

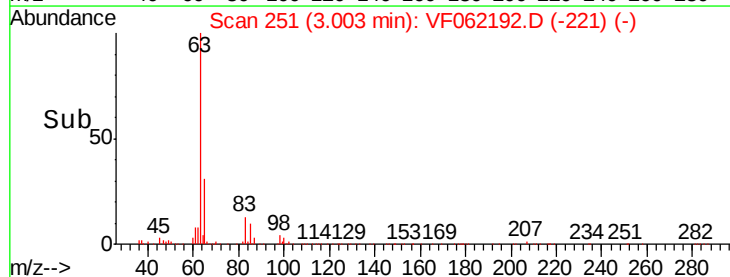
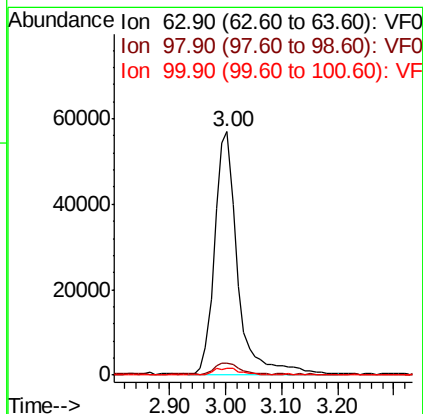
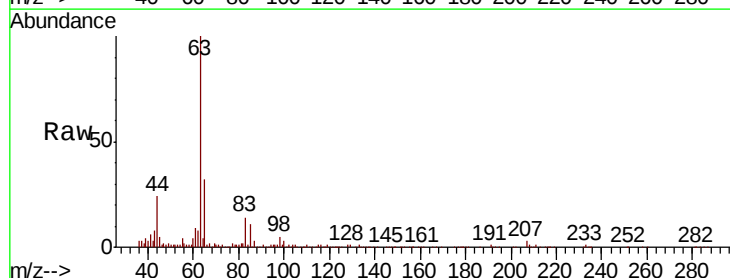
Tgt Ion: 63 Resp: 162052

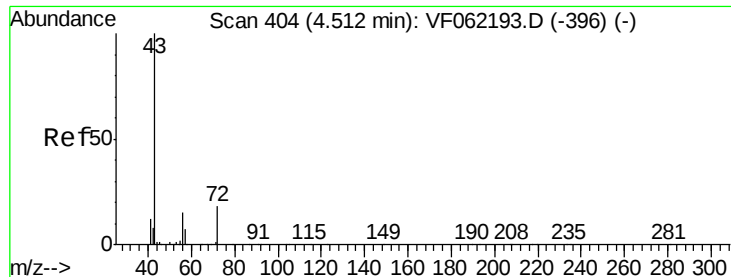
Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.8

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 39.696 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

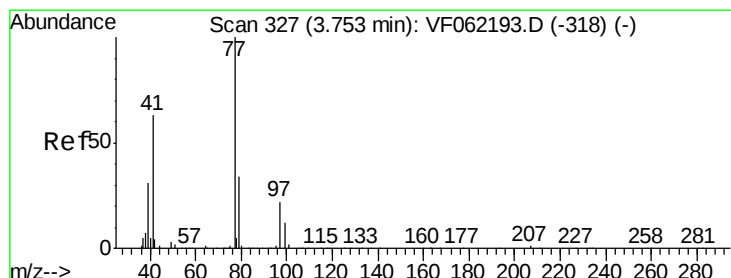
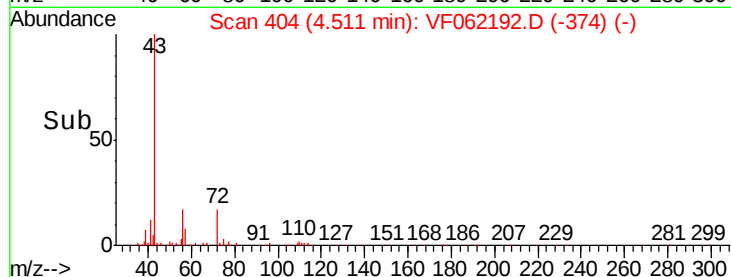
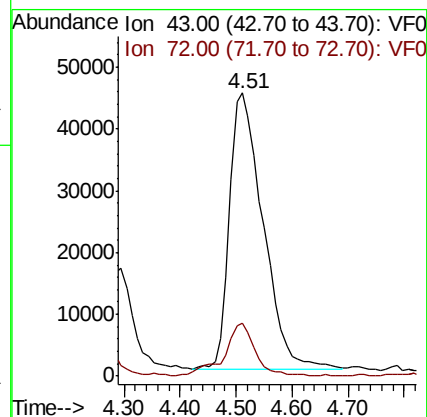
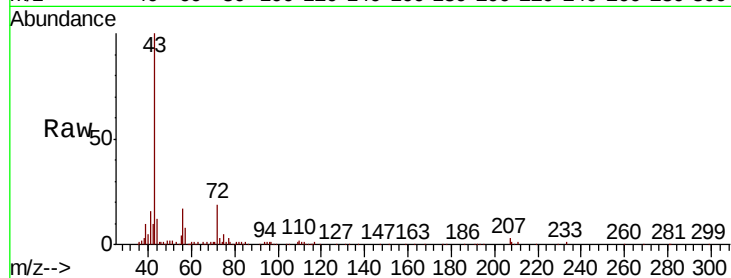
VSTDIC020

Tot Ion: 43 Resp: 185166

Ion Ratio Lower Upper

43 100

72 18.9 16.1 24.1



#26

2,2-Dichloropropane

Concen: 11.624 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF062192.D

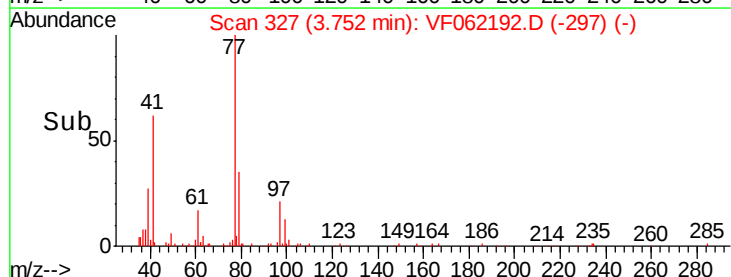
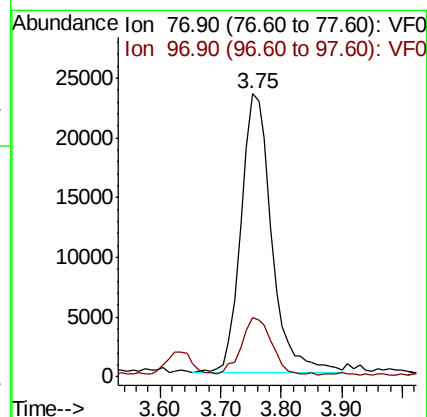
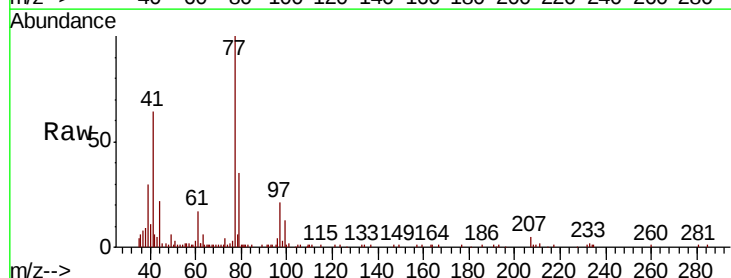
Acq: 17 Apr 2019 18:09

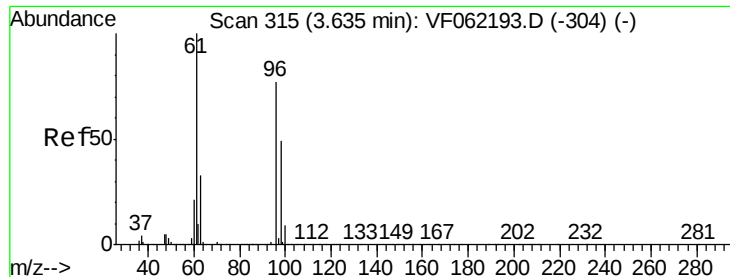
Tgt Ion: 77 Resp: 81645

Ion Ratio Lower Upper

77 100

97 20.9 11.1 33.3



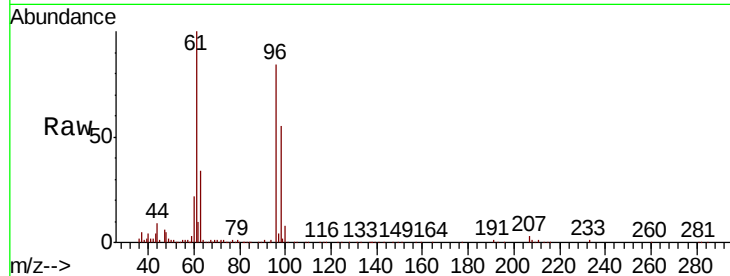


#27

cis-1,2-Dichloroethene
 Concen: 20.658 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	253.6
98	66.6	0.0	124.8

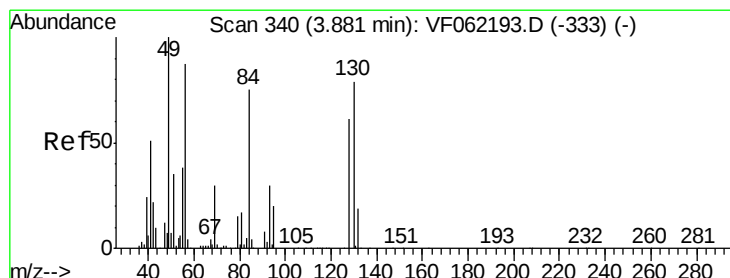
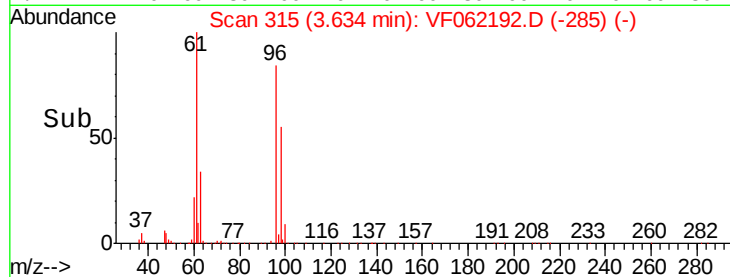
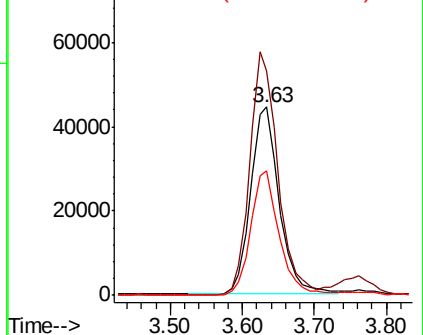


Abundance

Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

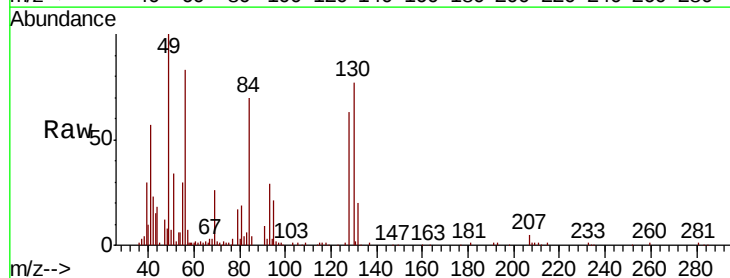
Ion 97.90 (97.60 to 98.60): VF0



#28

Bromochloromethane
 Concen: 18.448 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	76.9	66.6	100.0

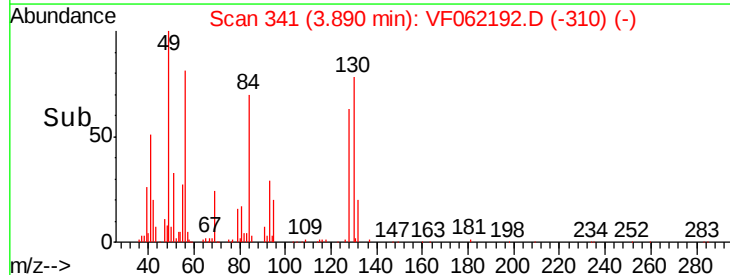
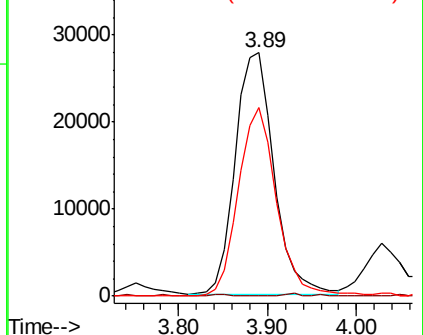


Abundance

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: 27.005 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

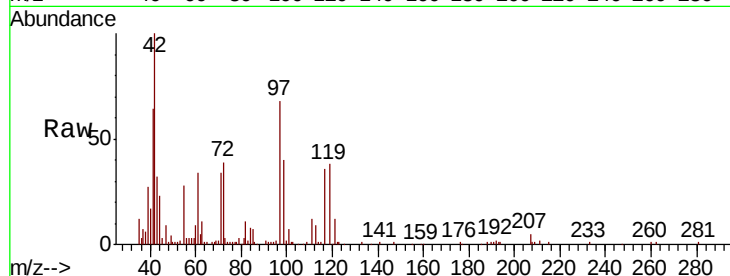
Tot Ion: 42 Resp: 82919

Ion Ratio Lower Upper

42 100

72 35.9 28.6 43.0

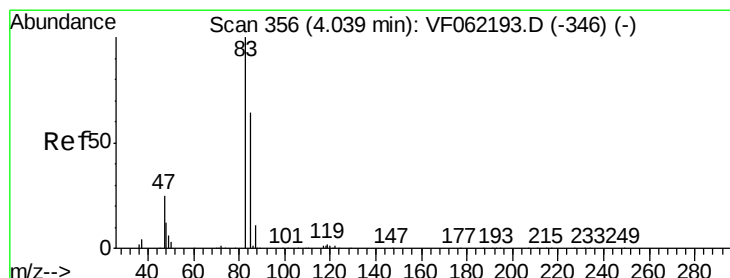
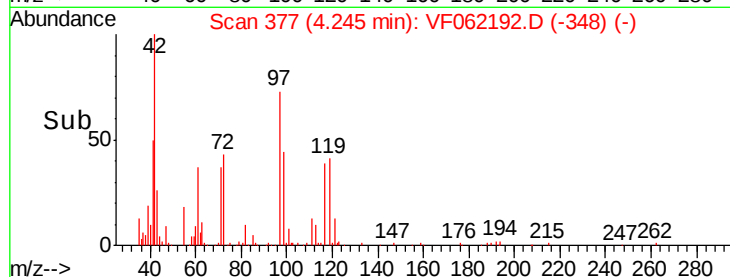
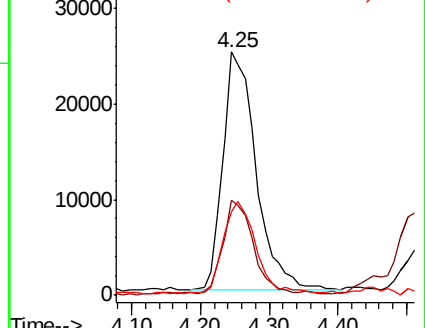
71 39.9 29.2 43.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.034 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF062192.D

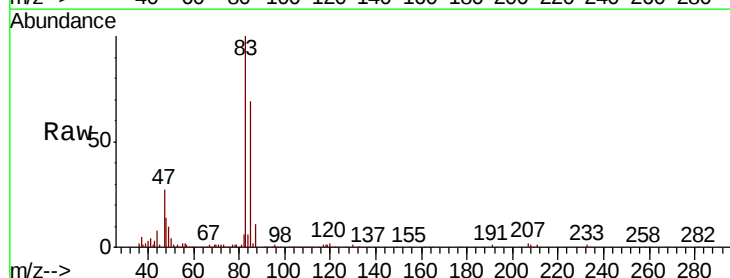
Acq: 17 Apr 2019 18:09

Tgt Ion: 83 Resp: 194804

Ion Ratio Lower Upper

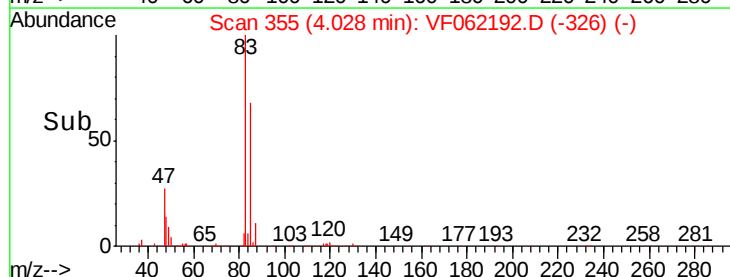
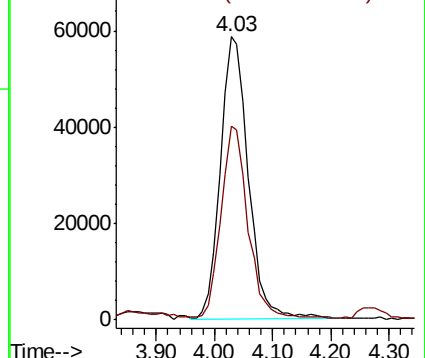
83 100

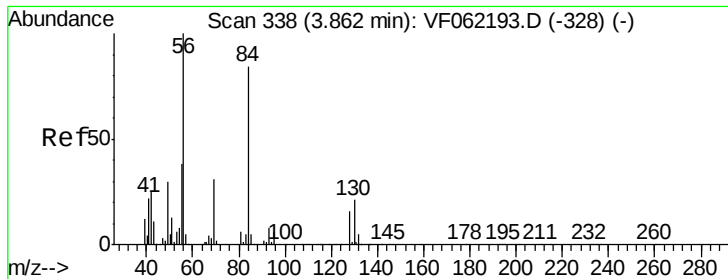
85 68.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

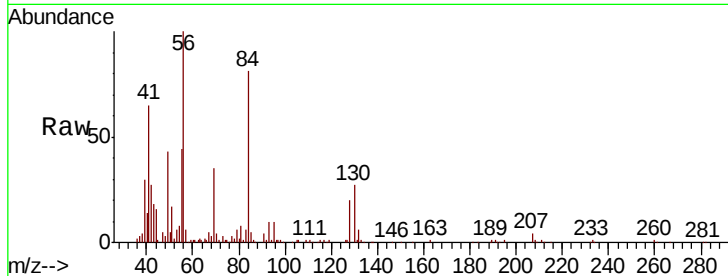




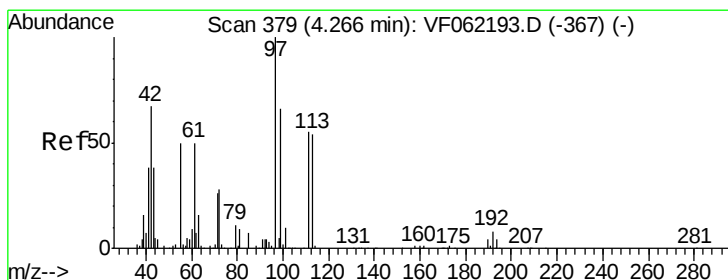
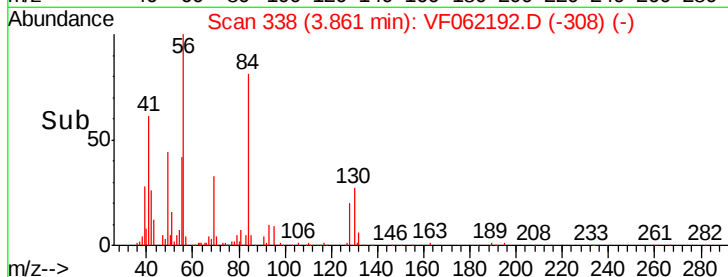
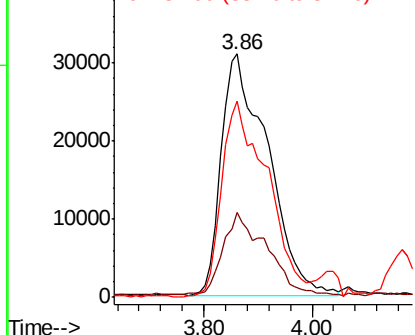
#31
Cyclohexane
Concen: 18.608 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 185119
Ion Ratio Lower Upper
56 100
69 33.9 25.1 37.7
84 80.4 67.8 101.6

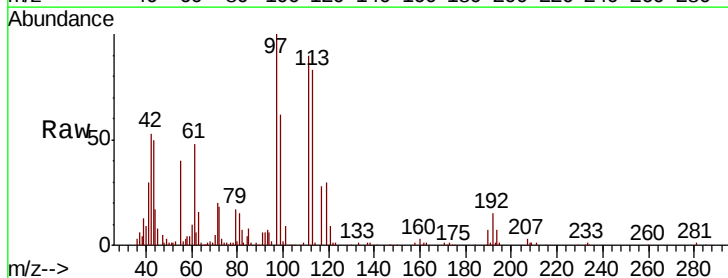


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

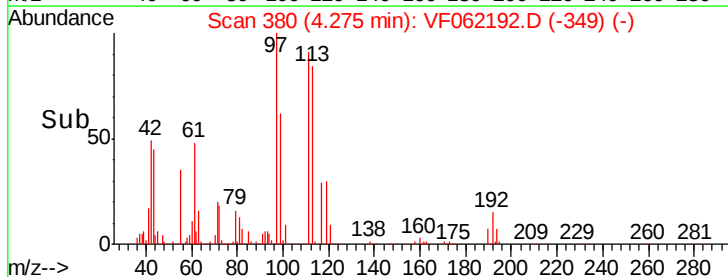
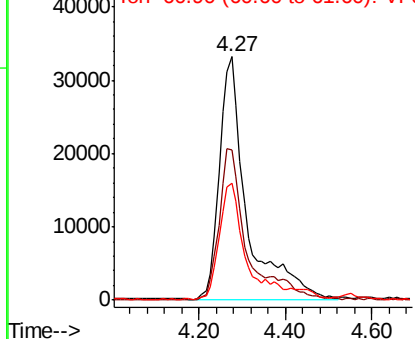


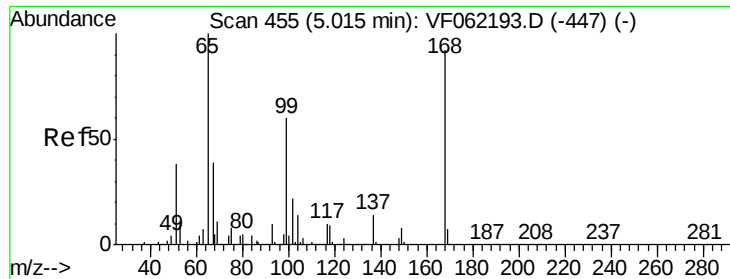
#32
1,1,1-Trichloroethane
Concen: 20.547 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 97 Resp: 148969
Ion Ratio Lower Upper
97 100
99 62.5 52.7 79.1
61 40.2 53.0 79.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0

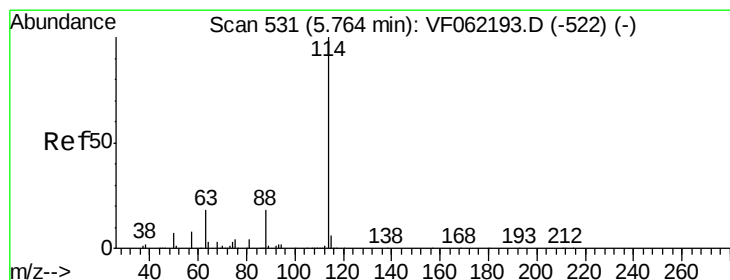
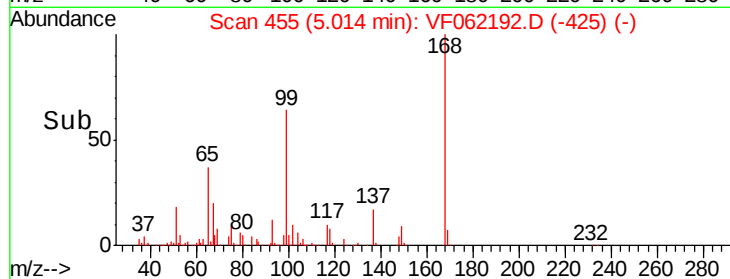
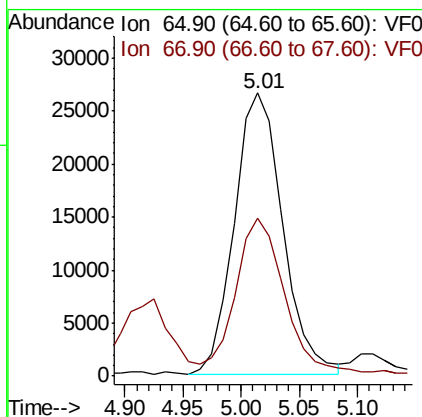
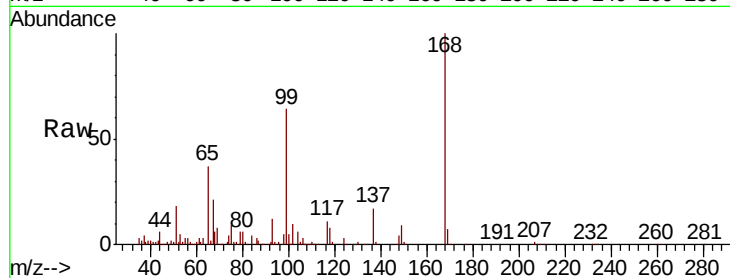




#33
 1,2-Dichloroethane-d4
 Concen: 12.894 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

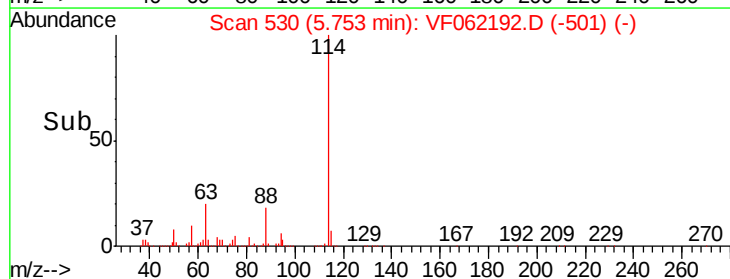
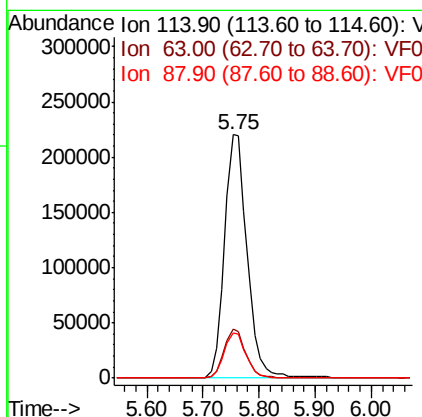
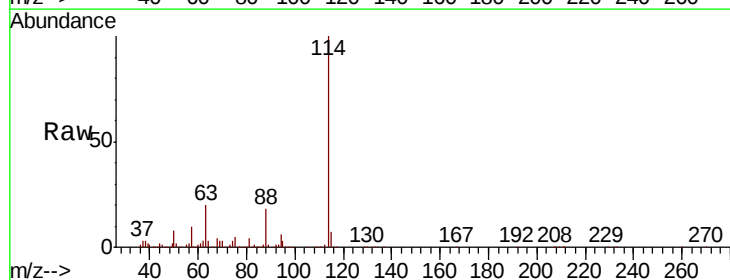
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

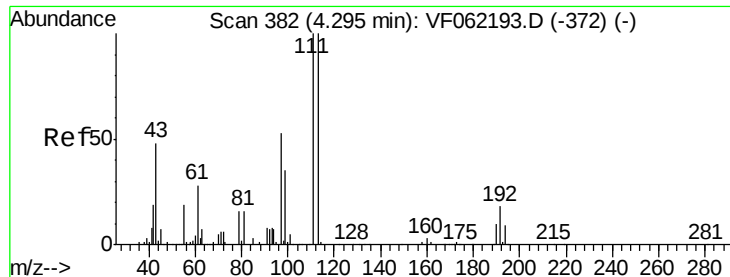
Tot Ion: 65 Resp: 76412
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion: 114 Resp: 619120
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 36.6
 88 18.3 0.0 35.8

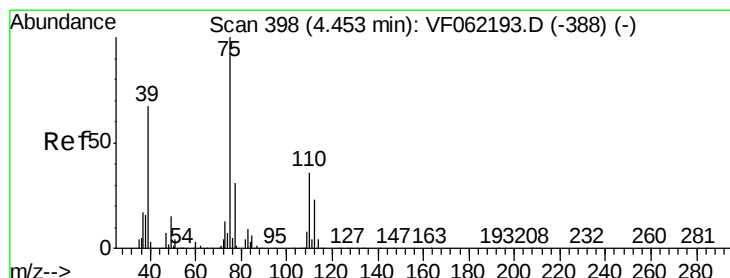
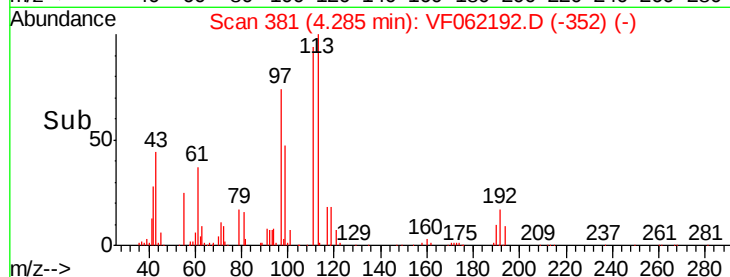
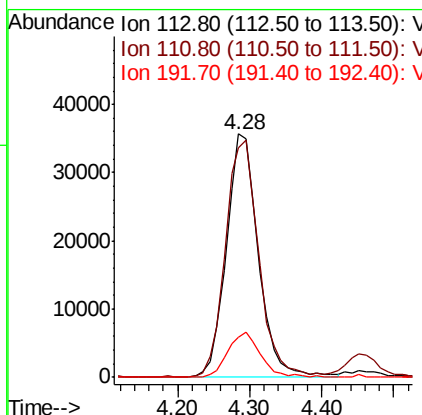
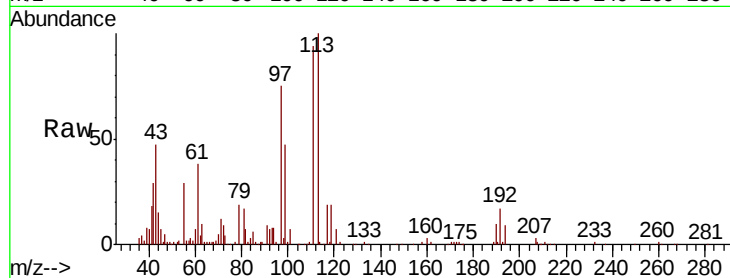




#35
 Dibromofluoromethane
 Concen: 26.013 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

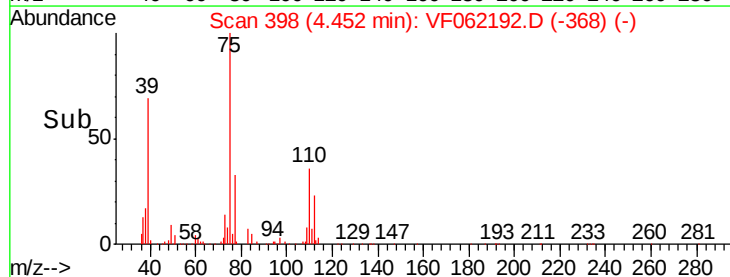
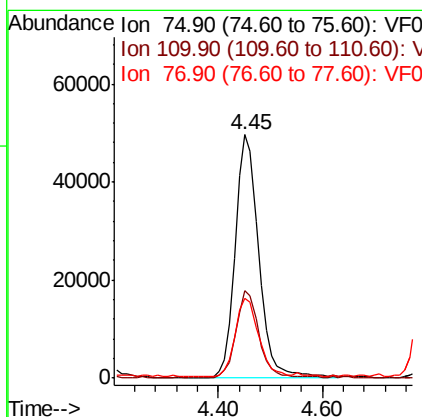
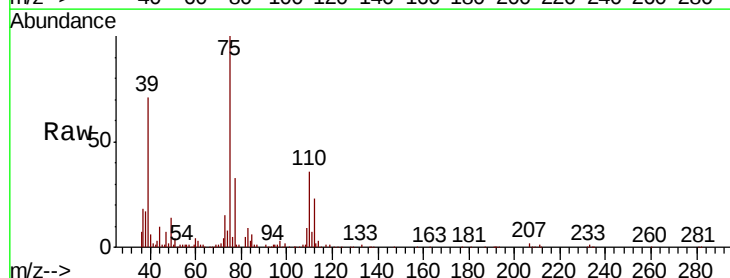
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

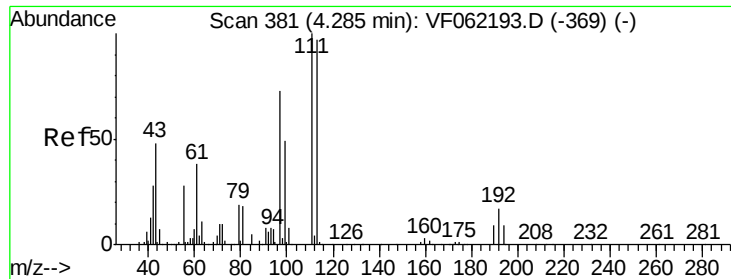
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.1	121.7
192	18.8	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 22.862 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.2
77	31.4	25.4	38.2





#37

Ethyl Acetate

Concen: 9.272 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

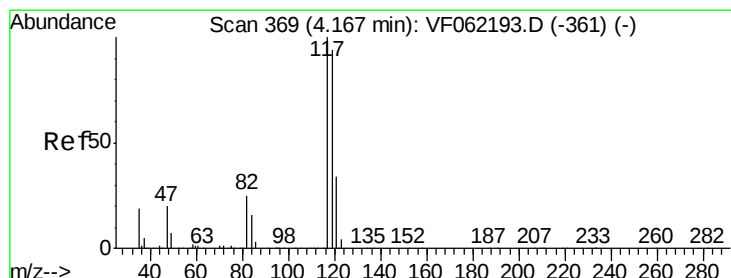
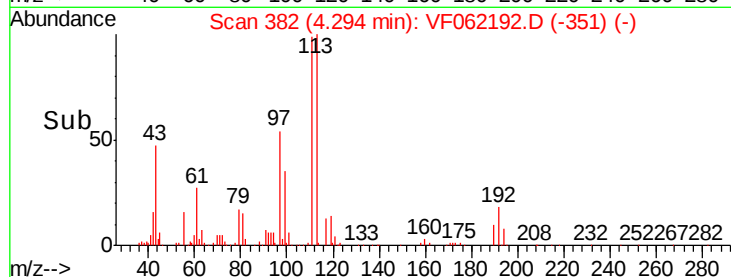
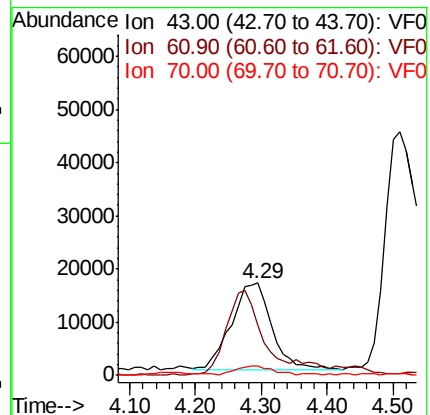
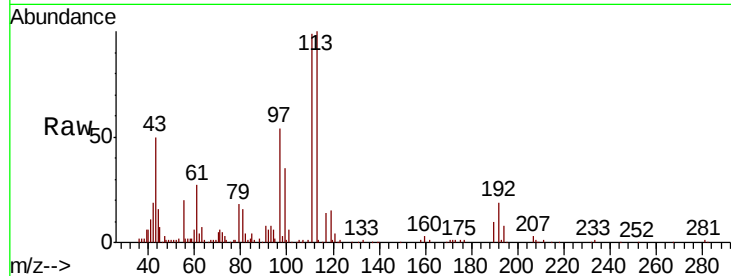
Tot Ion: 43 Resp: 68837

Ion Ratio Lower Upper

43 100

61 86.9 0.0 0.0#

70 11.4 7.8 11.6



#38

Carbon Tetrachloride

Concen: 24.516 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

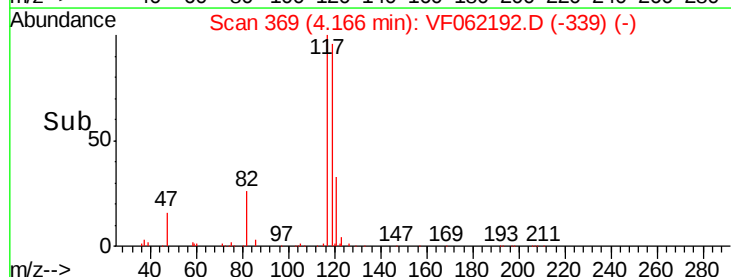
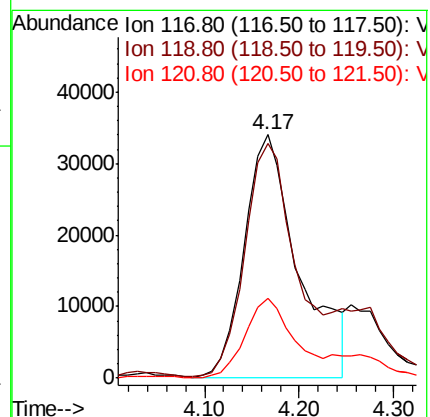
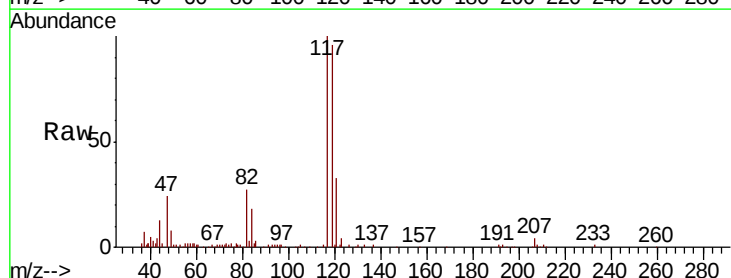
Tgt Ion: 117 Resp: 135967

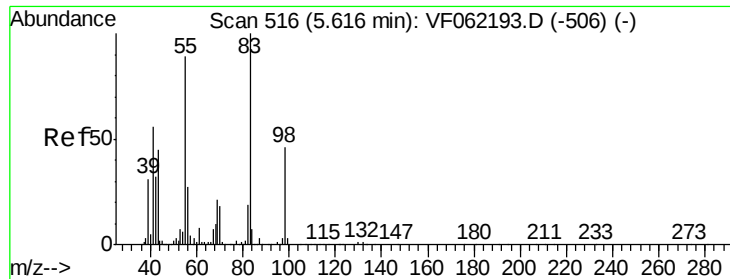
Ion Ratio Lower Upper

117 100

119 96.0 75.0 112.4

121 33.1 26.9 40.3

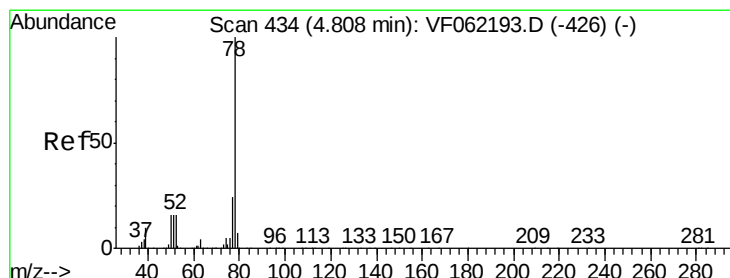
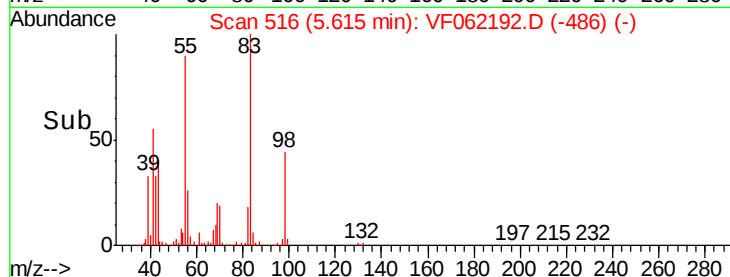
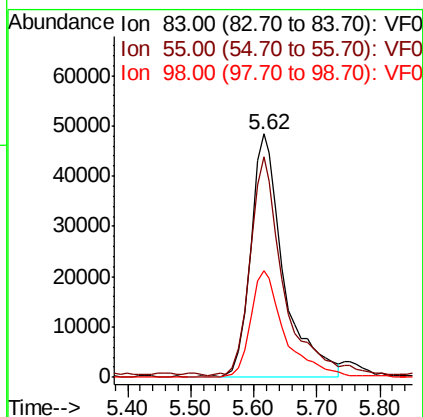
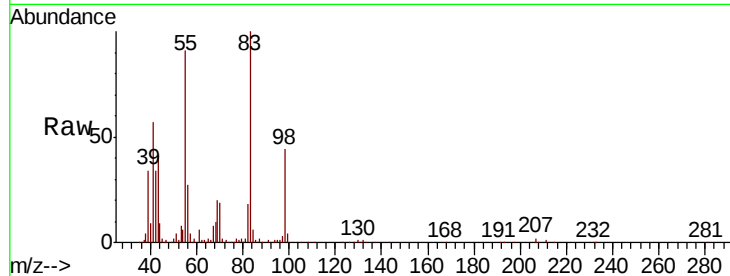




#39
Methvlcvclohexane
Concen: 22.008 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

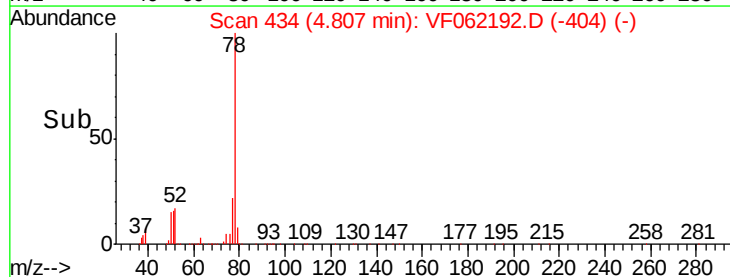
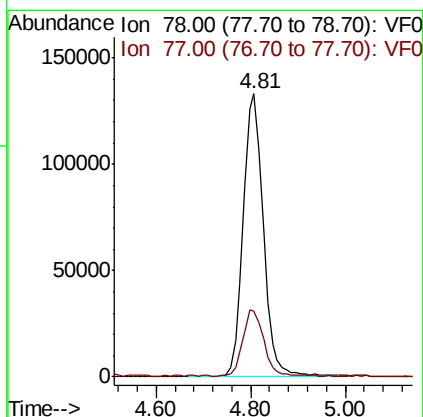
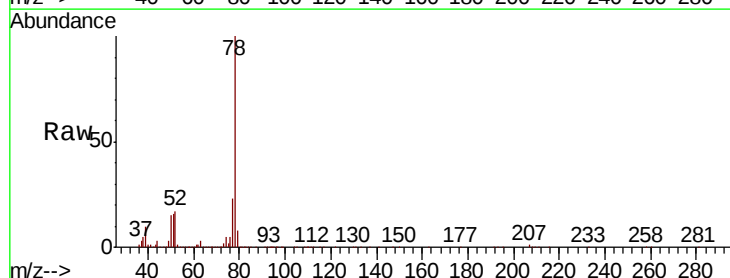
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

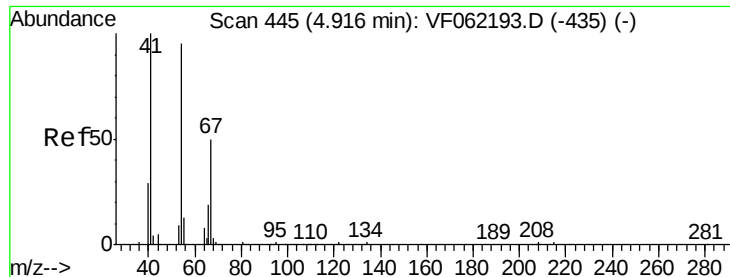
Tot Ion: 83 Resp: 176399
Ion Ratio Lower Upper
83 100
55 88.8 71.0 106.6
98 43.8 36.7 55.1



#40
Benzene
Concen: 20.725 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 78 Resp: 394501
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

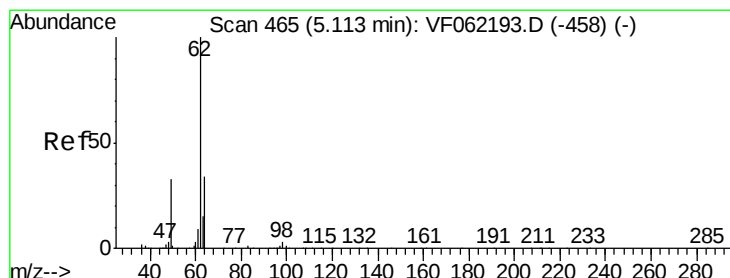
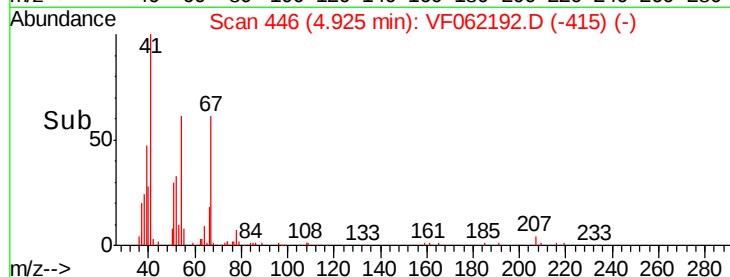
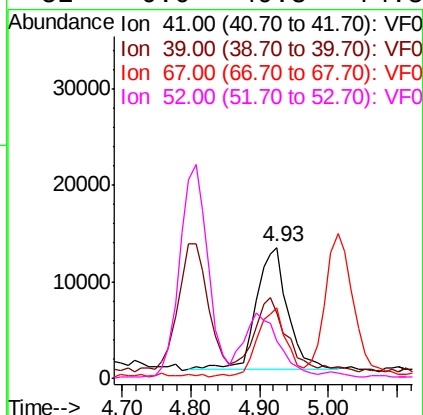
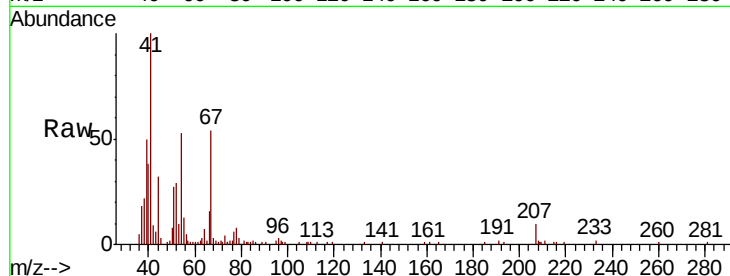




#41
Methacrylonitrile
Concen: 9.236 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

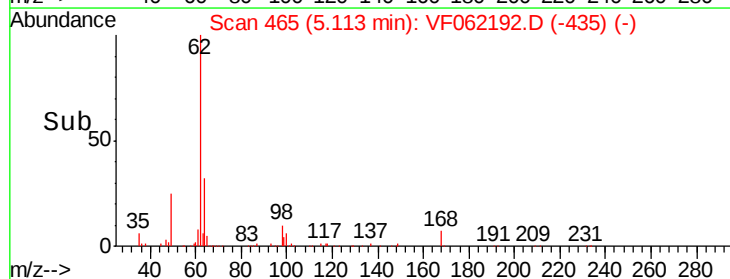
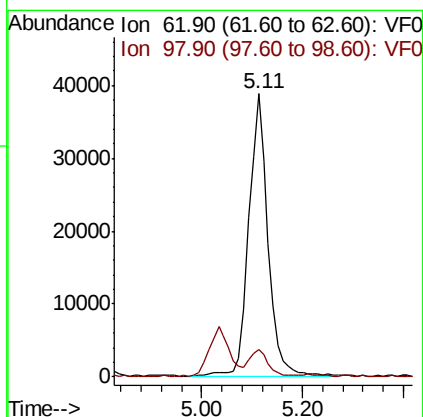
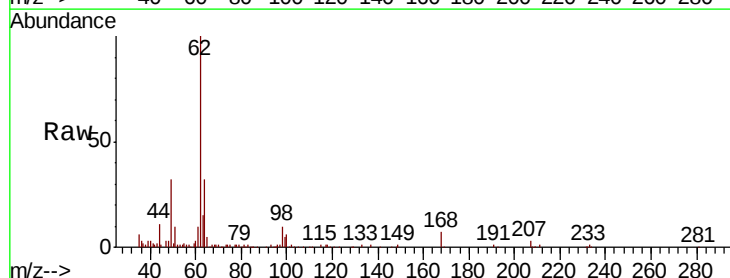
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

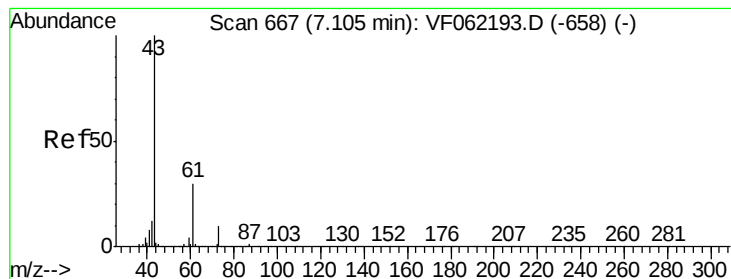
Tot Ion:	41	Resp:	39651
Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.7	67.1
67	52.6	39.1	58.7
52	0.0	49.8	74.8#



#42
1,2-Dichloroethane
Concen: 16.175 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion:	62	Resp:	104817
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0



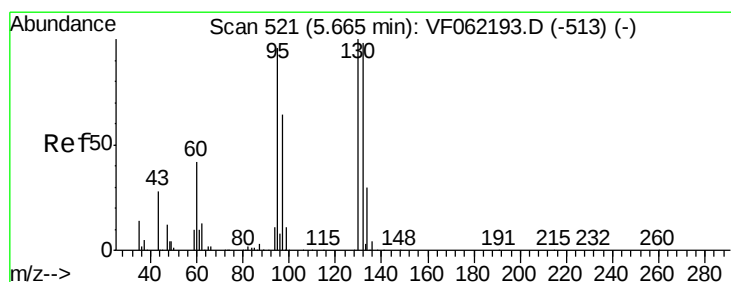
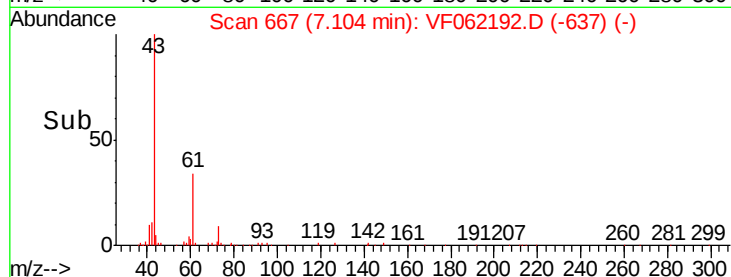
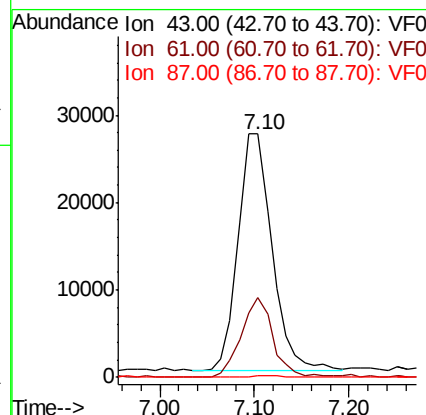
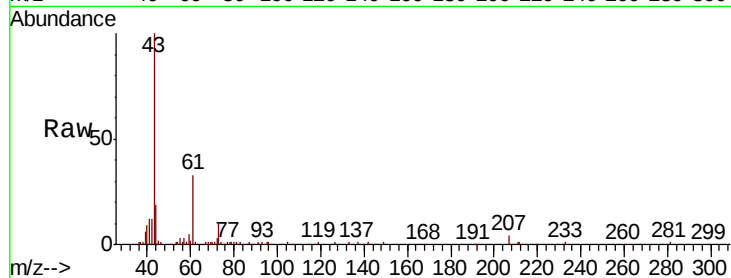


#43

Isopropyl Acetate
 Concen: 5.736 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

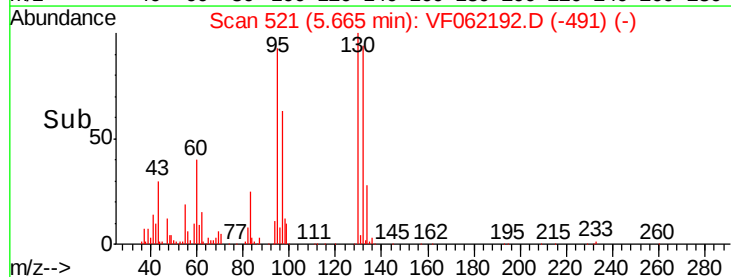
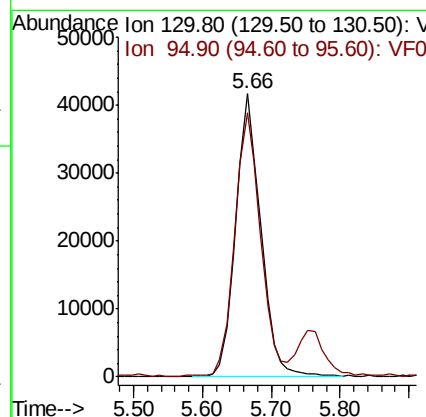
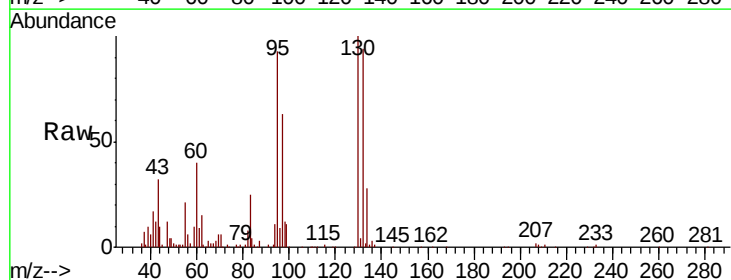
Tot Ion: 43 Resp: 67093
 Ion Ratio Lower Upper
 43 100
 61 32.3 24.4 36.6
 87 0.6 0.4 0.6

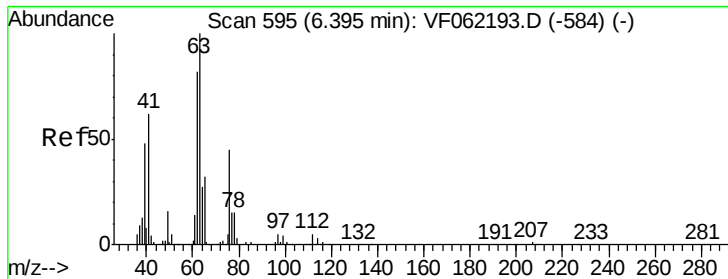


#44

Trichloroethene
 Concen: 22.130 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion: 130 Resp: 105677
 Ion Ratio Lower Upper
 130 100
 95 92.8 0.0 191.4





#45

1,2-Dichloropropane

Concen: 16.429 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

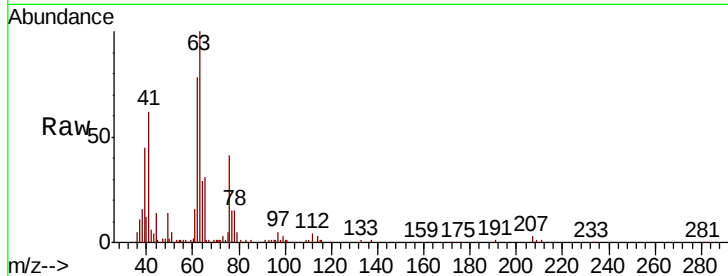
VSTDIC020

Tot Ion: 63 Resp: 83623

Ion Ratio Lower Upper

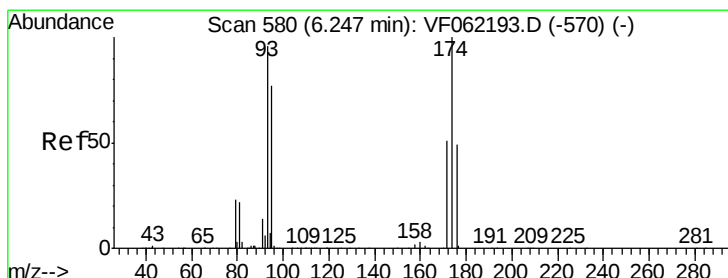
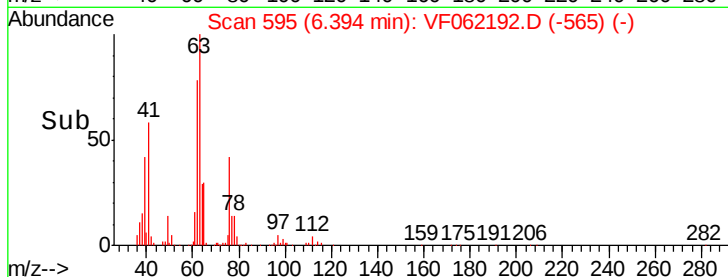
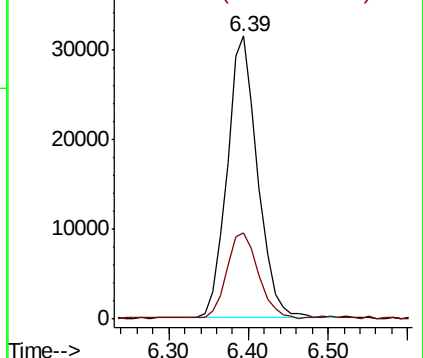
63 100

65 30.3 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: 18.801 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

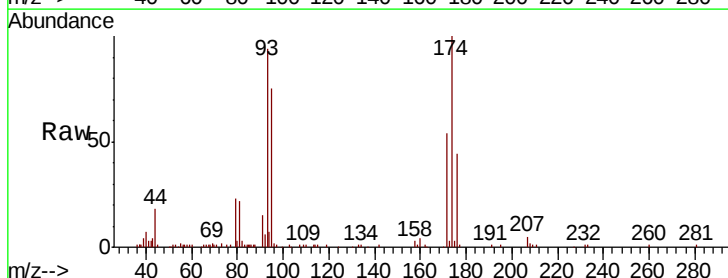
Tgt Ion: 93 Resp: 57360

Ion Ratio Lower Upper

93 100

95 83.4 65.1 97.7

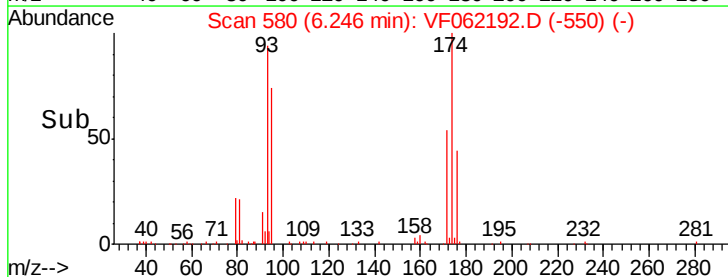
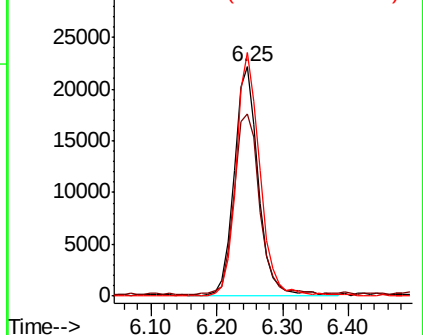
174 103.2 81.8 122.6

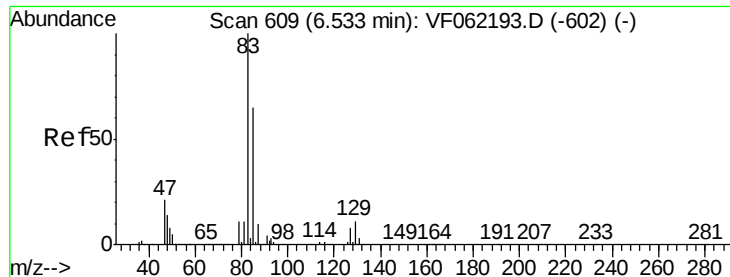


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.721 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

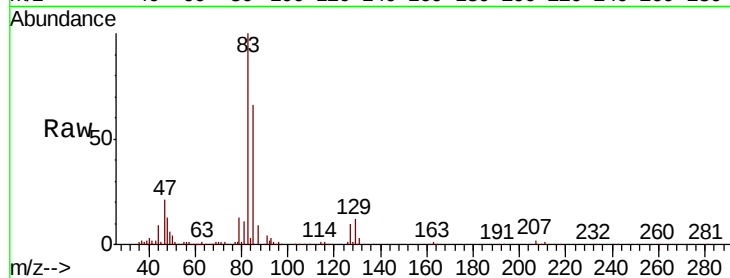
Tot Ion: 83 Resp: 131533

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

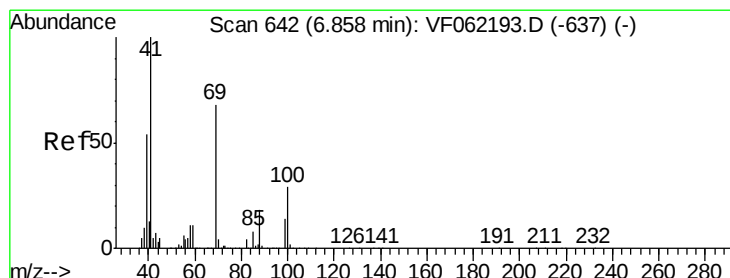
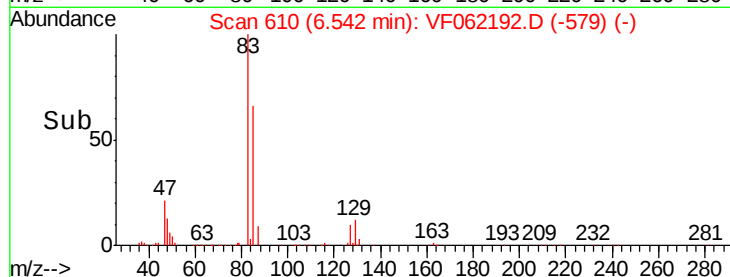
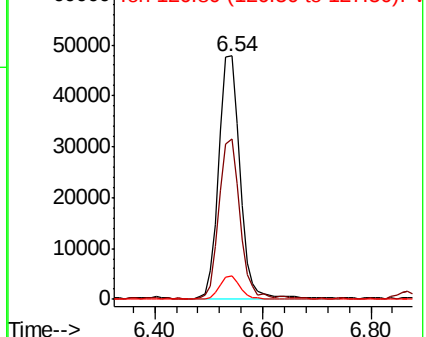
127 9.8 6.7 10.1



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: 8.061 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

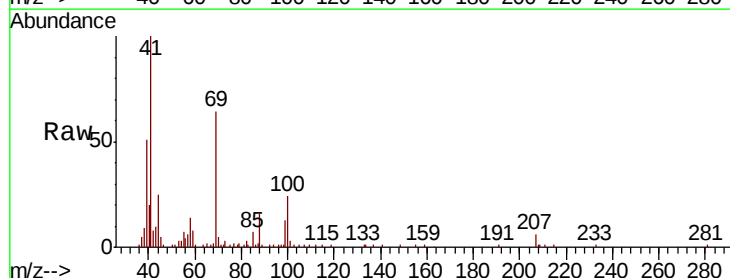
Tgt Ion: 41 Resp: 47304

Ion Ratio Lower Upper

41 100

69 62.9 54.9 82.3

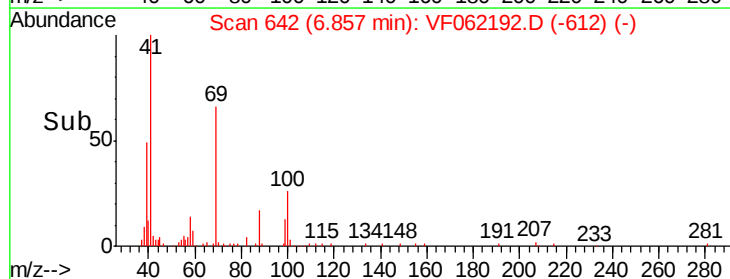
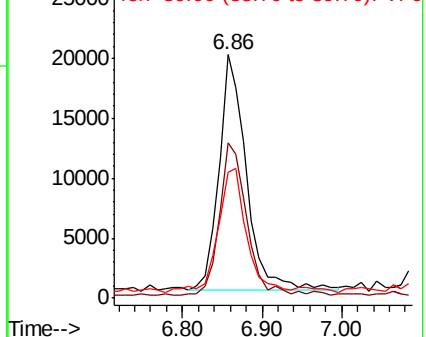
39 55.4 43.6 65.4

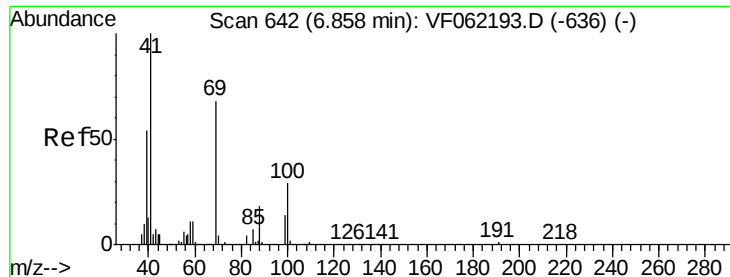


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

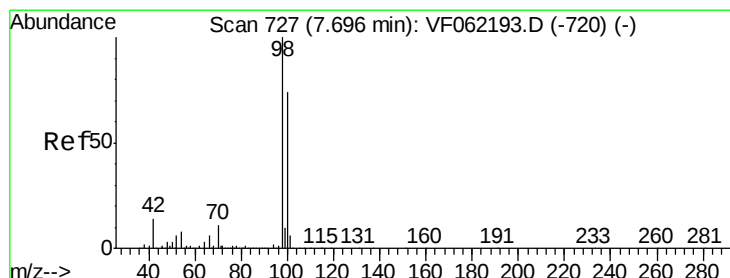
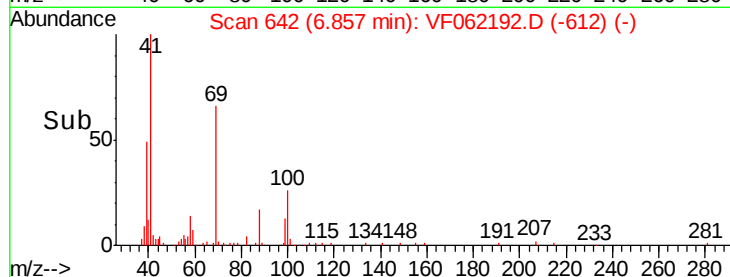
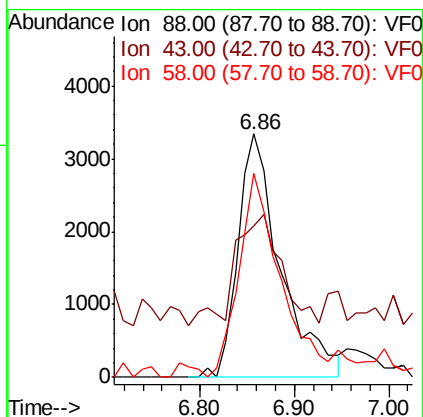
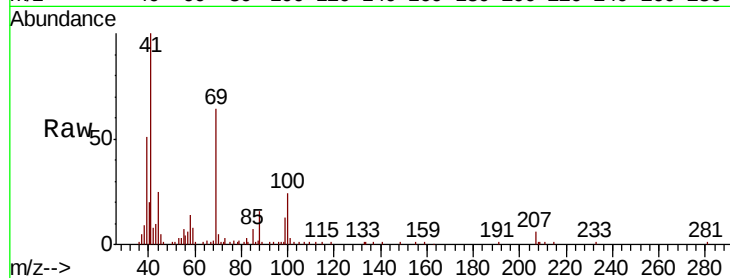




#49
1,4-Dioxane
Concen: 95.730 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

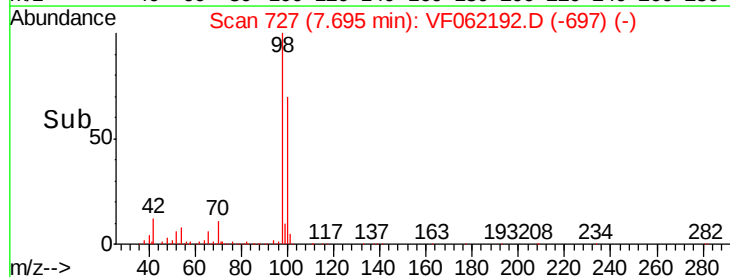
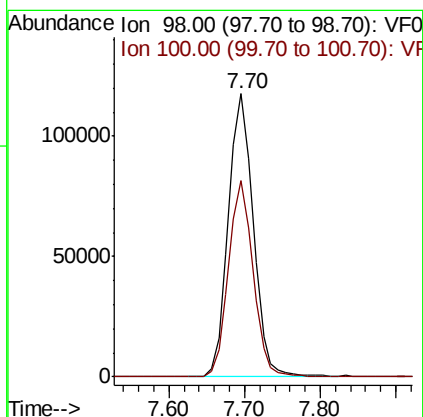
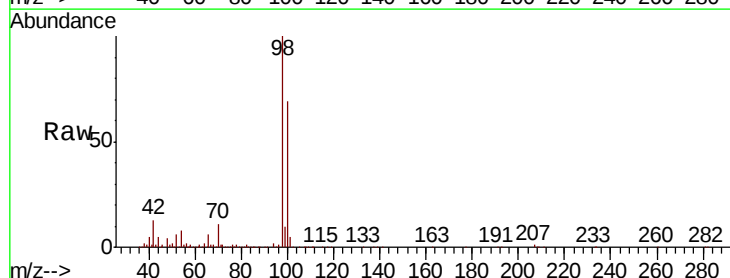
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

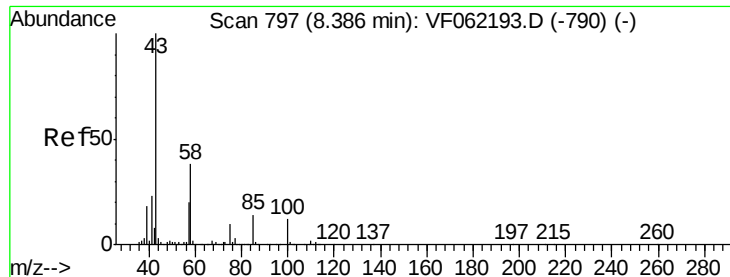
Tot Ion: 88 Resp: 10413
Ion Ratio Lower Upper
88 100
43 50.6 36.9 55.3
58 81.7 56.8 85.2



#50
Toluene-d8
Concen: 17.418 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 98 Resp: 269635
Ion Ratio Lower Upper
98 100
100 68.5 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 35.794 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

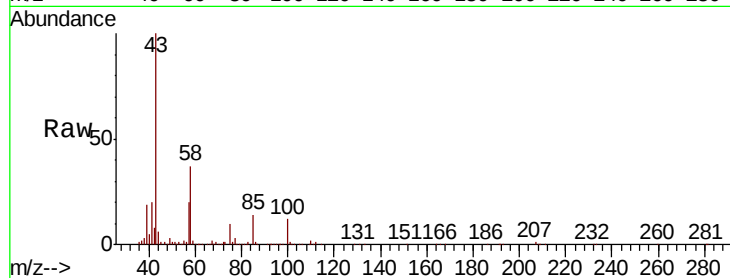
VSTDIC020

Tot Ion: 43 Resp: 268994

Ion Ratio Lower Upper

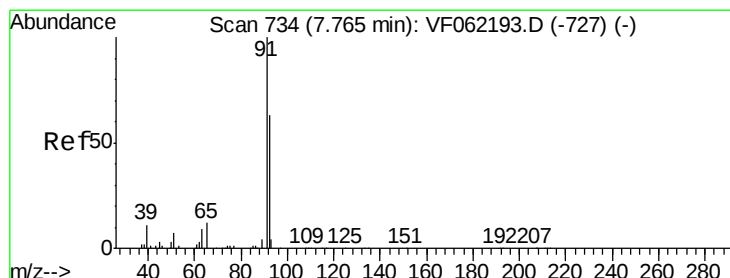
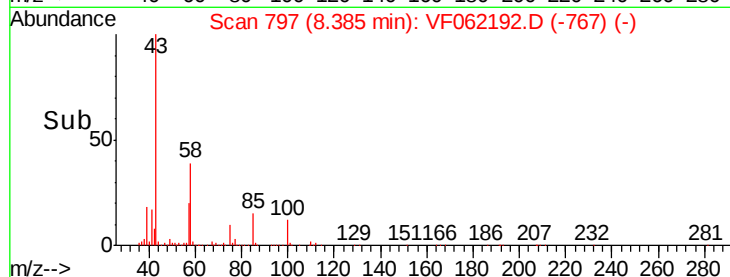
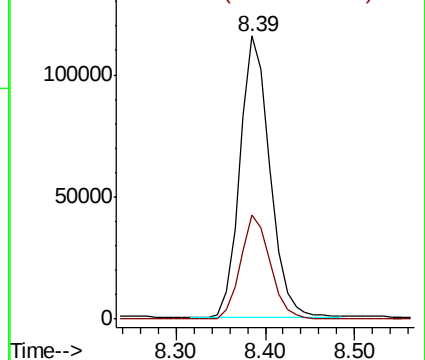
43 100

58 36.8 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.078 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF062192.D

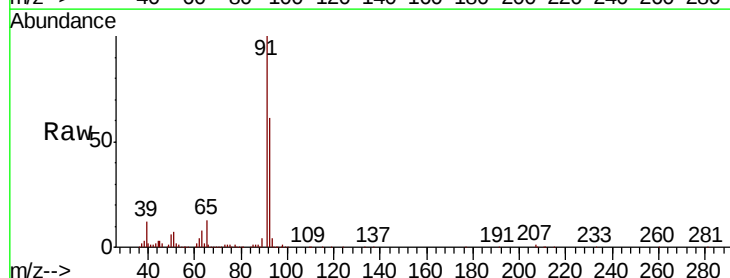
Acq: 17 Apr 2019 18:09

Tgt Ion: 92 Resp: 203274

Ion Ratio Lower Upper

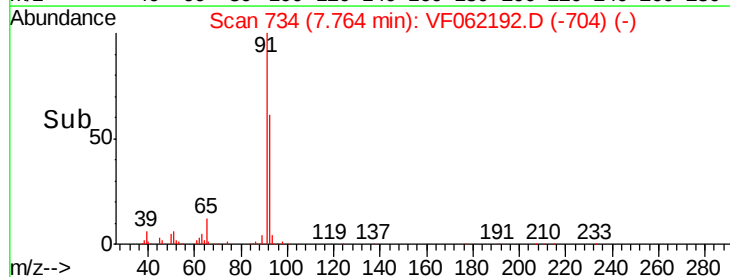
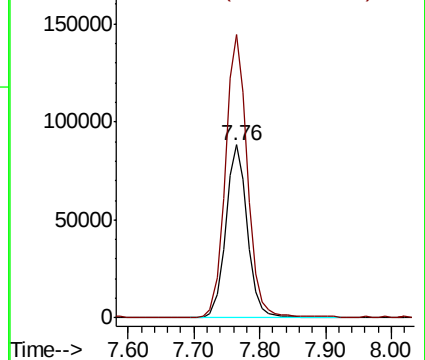
92 100

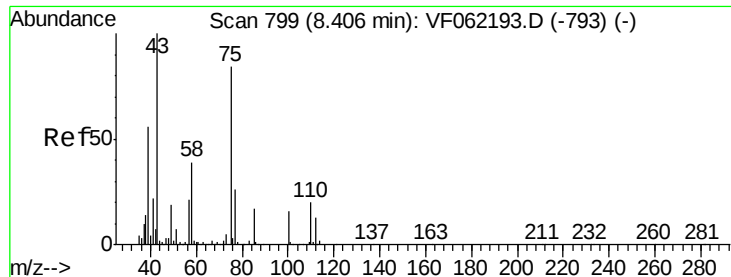
91 164.6 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

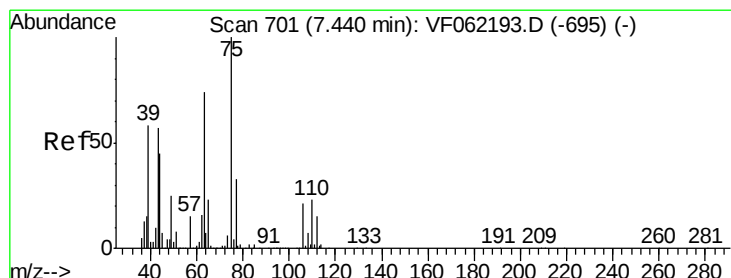
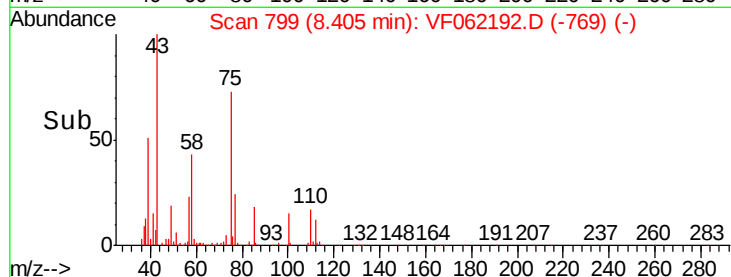
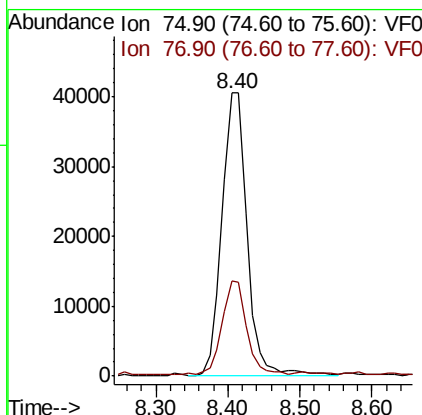
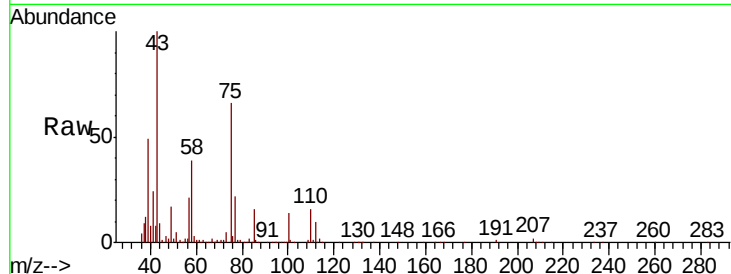




#53
t-1,3-Dichloropropene
Concen: 15.007 ug/l
RT: 8.40 min Scan# 799
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

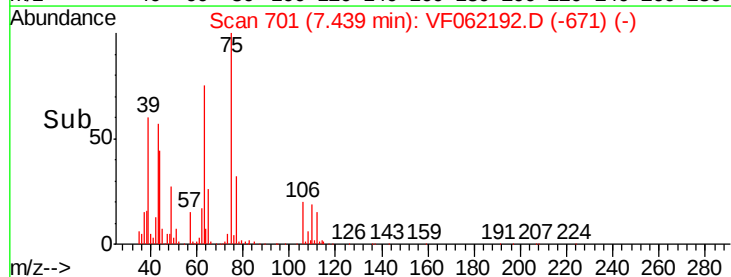
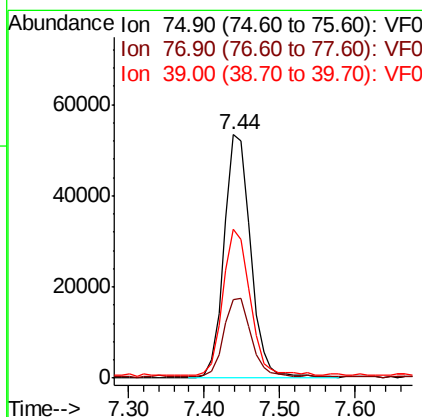
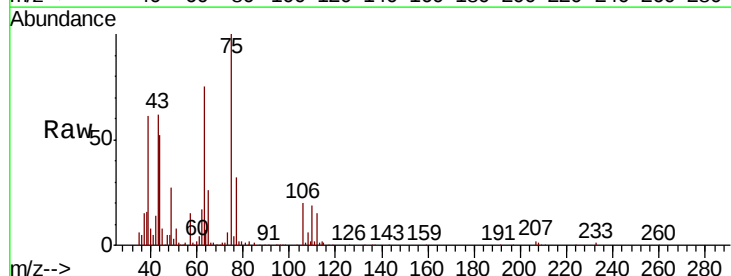
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

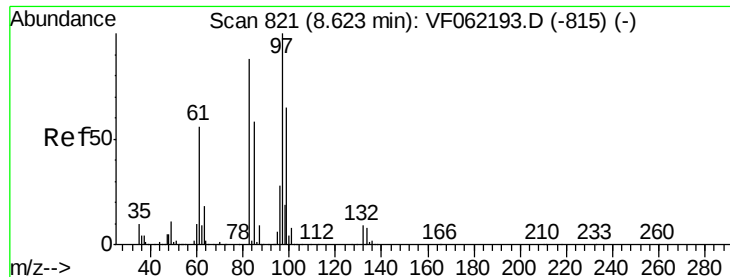
Tot Ion: 75 Resp: 97772
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 17.365 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 75 Resp: 130361
Ion Ratio Lower Upper
75 100
77 31.9 26.4 39.6
39 59.7 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 13.470 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 57081

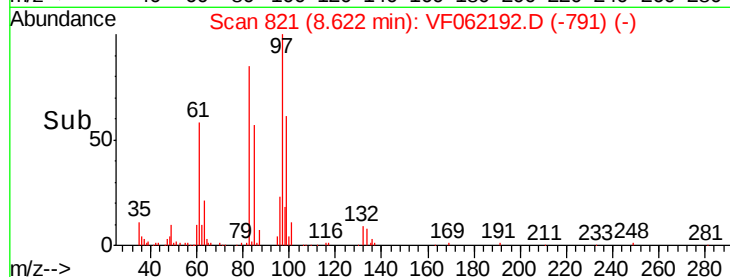
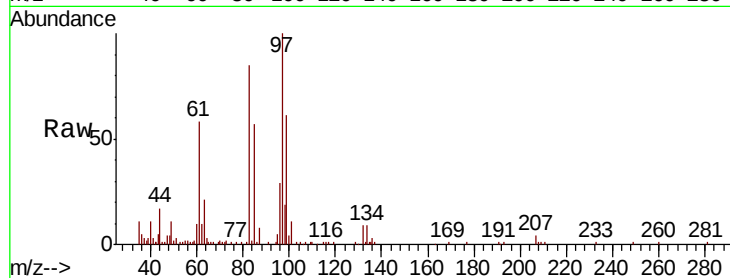
Ion Ratio Lower Upper

97 100

83 84.3 70.2 105.2

85 56.8 46.2 69.4

99 61.2 52.2 78.4

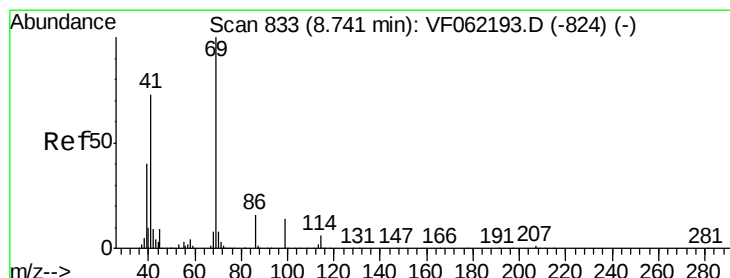
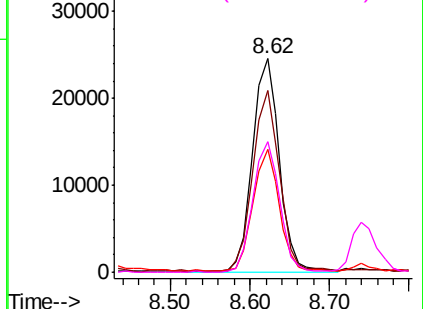


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 8.251 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

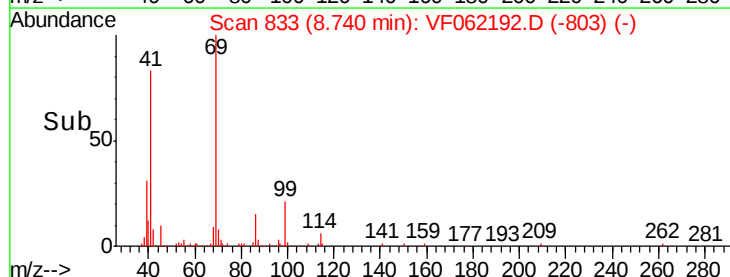
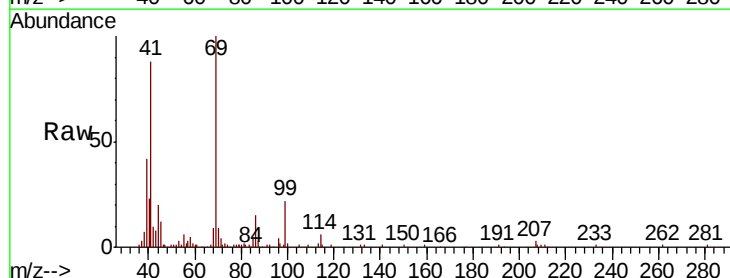
Tgt Ion: 69 Resp: 59705

Ion Ratio Lower Upper

69 100

41 81.4 61.5 92.3

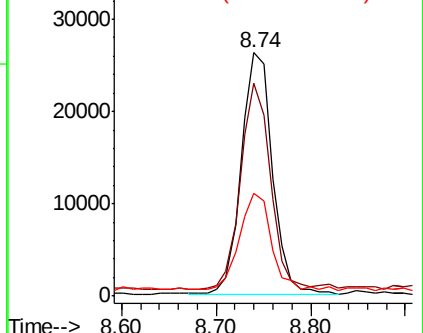
39 42.2 33.3 49.9

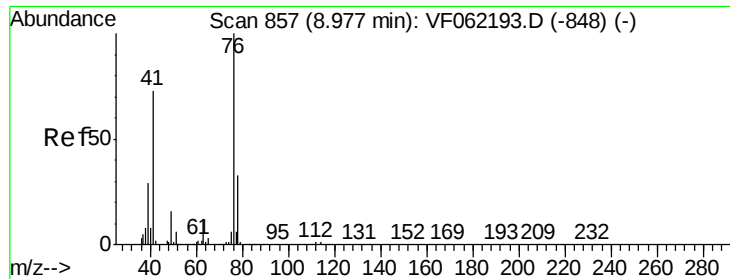


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 12.191 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

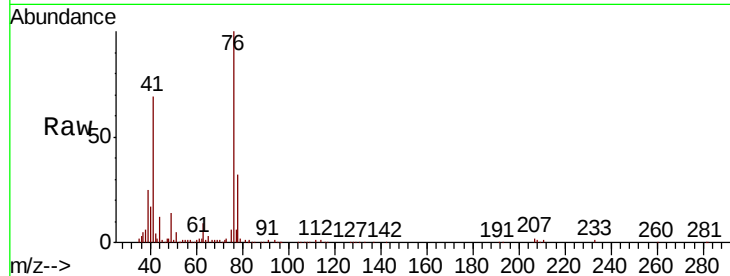
VSTDIC020

Tot Ion: 76 Resp: 91040

Ion Ratio Lower Upper

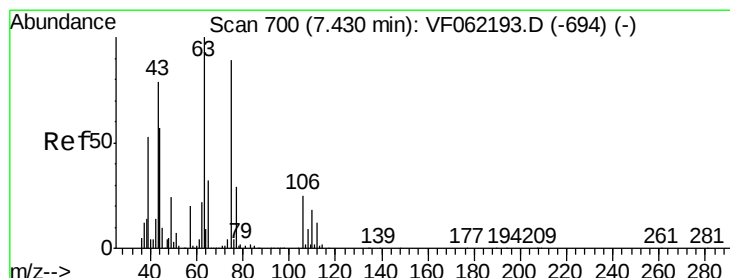
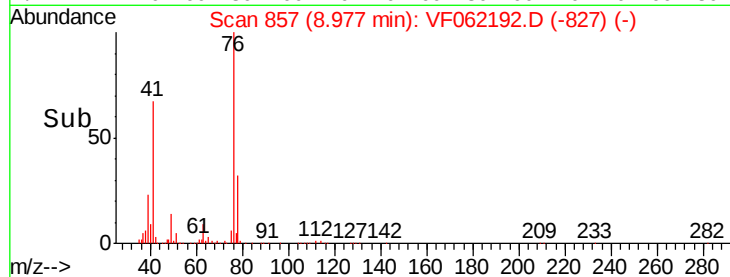
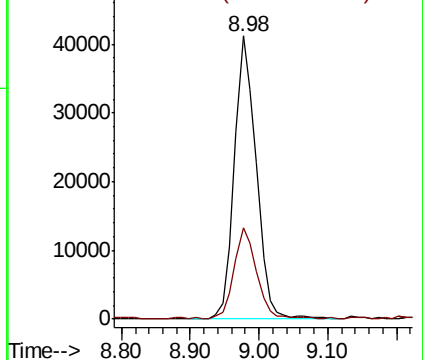
76 100

78 33.7 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: 25.218 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.01 min

Lab File: VF062192.D

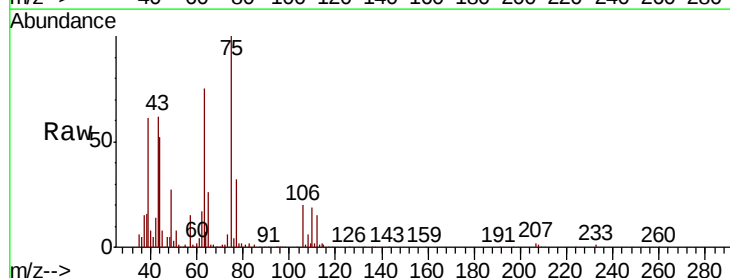
Acq: 17 Apr 2019 18:09

Tgt Ion: 63 Resp: 95284

Ion Ratio Lower Upper

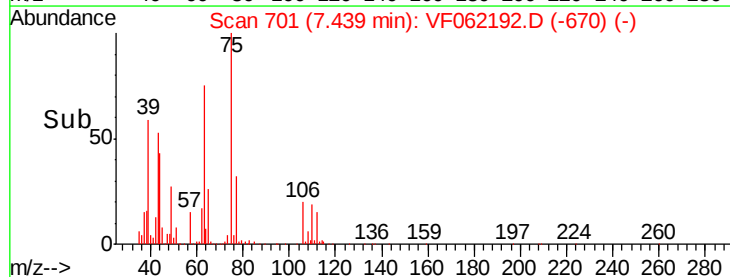
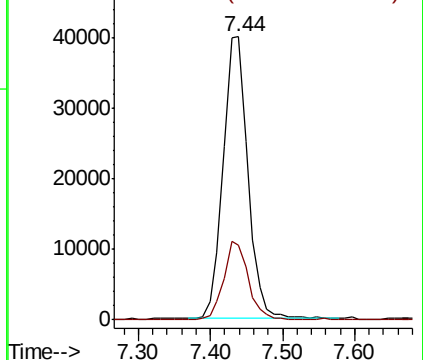
63 100

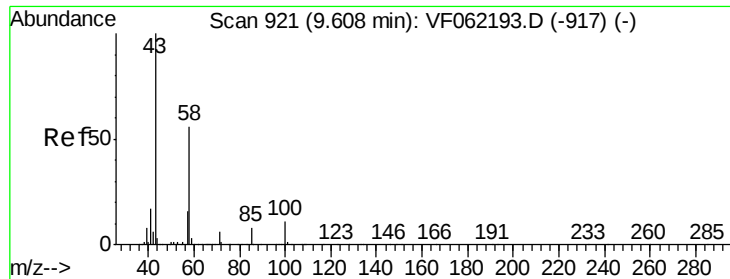
106 27.7 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

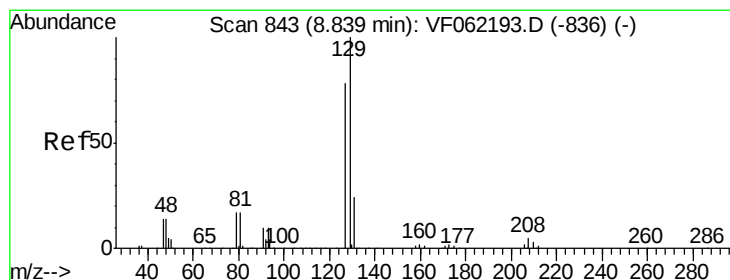
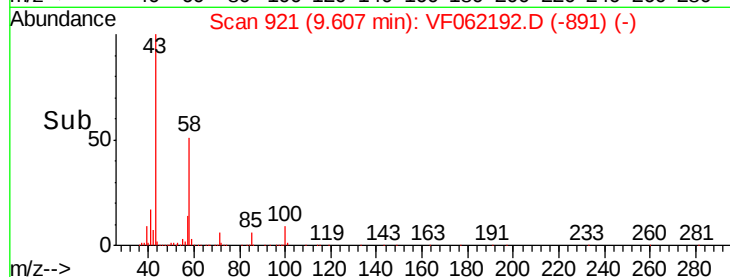
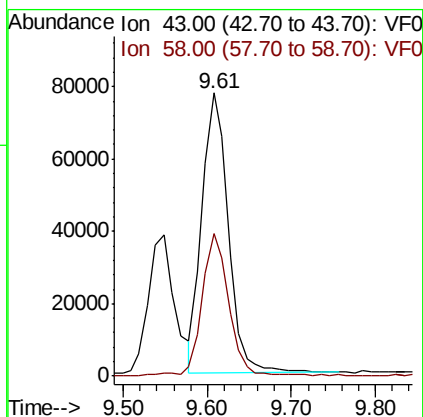
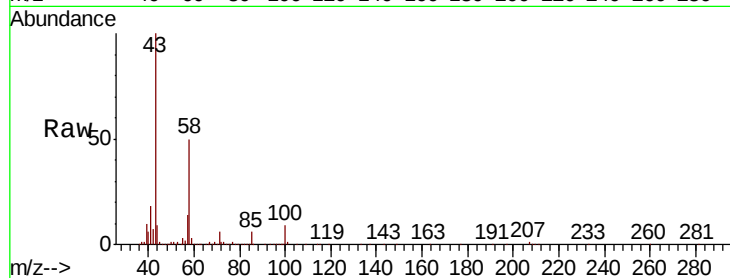




#59
2-Hexanone
Concen: 29.252 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

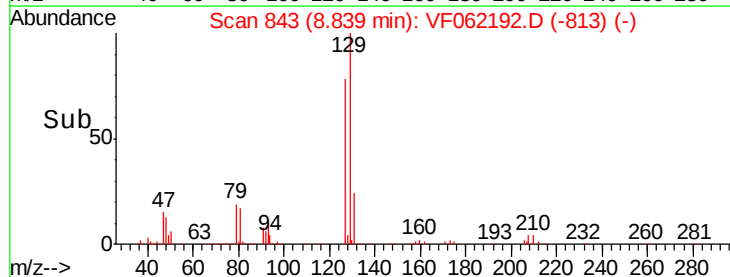
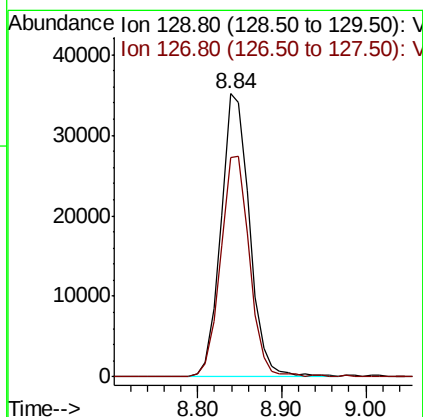
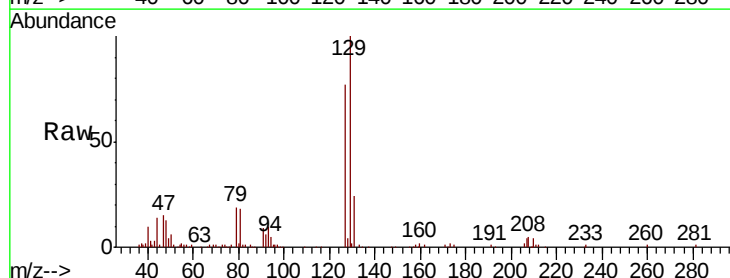
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

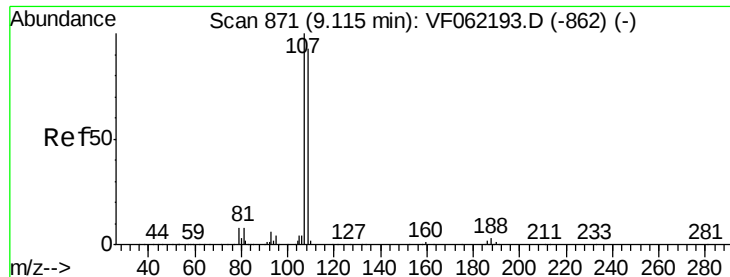
Tot Ion: 43 Resp: 167718
Ion Ratio Lower Upper
43 100
58 51.7 24.6 74.0



#60
Dibromochloromethane
Concen: 19.429 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion: 129 Resp: 83227
Ion Ratio Lower Upper
129 100
127 78.6 39.0 117.0





#61

1,2-Dibromoethane

Concen: 14.484 ug/l

RT: 9.11 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

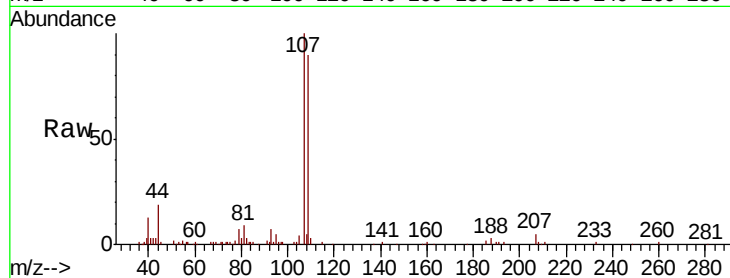
VSTDIC020

Tot Ion:107 Resp: 63859

Ion Ratio Lower Upper

107 100

109 93.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.11

30000

25000

20000

15000

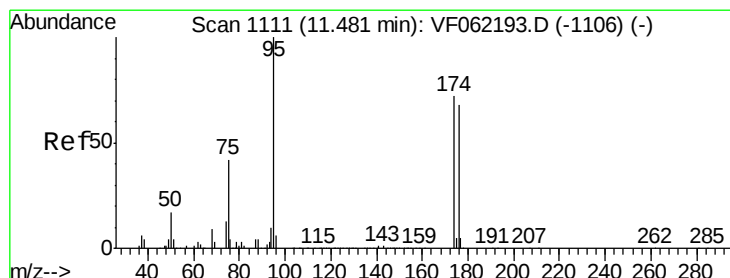
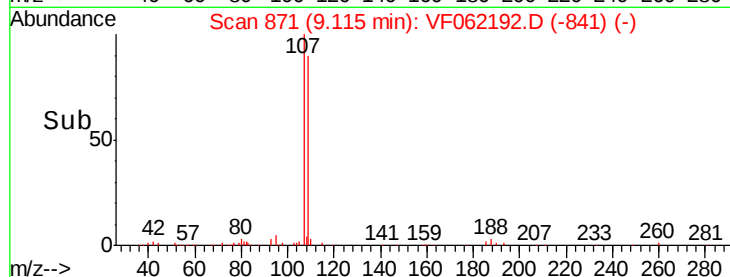
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 19.022 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

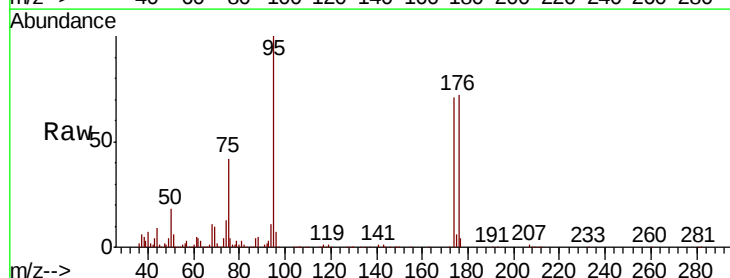
Tgt Ion: 95 Resp: 104512

Ion Ratio Lower Upper

95 100

174 81.7 0.0 159.4

176 81.0 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

11.48

80000

60000

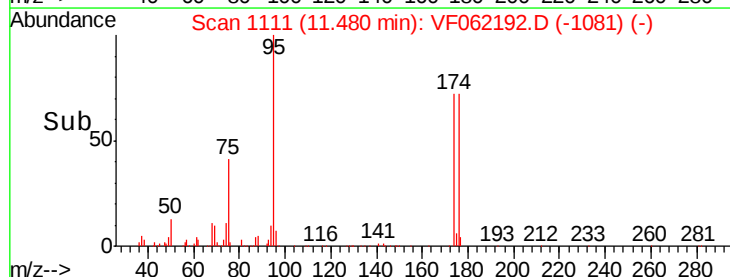
40000

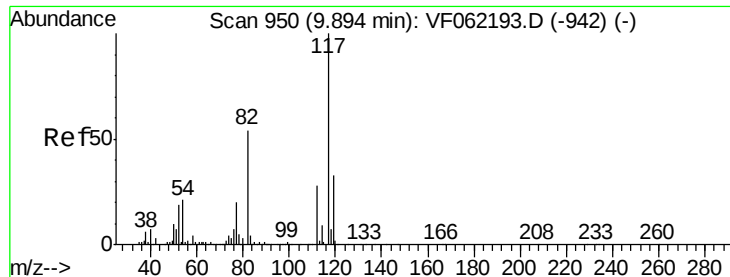
20000

0

Time-->

11.40 11.50 11.60

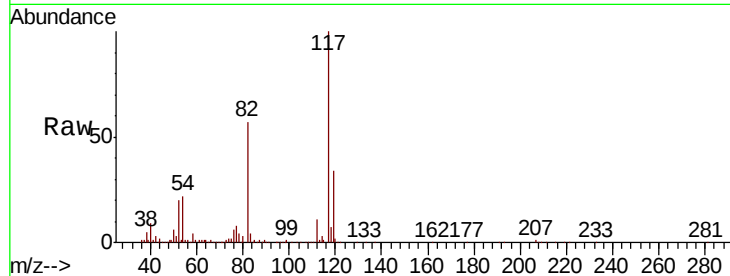




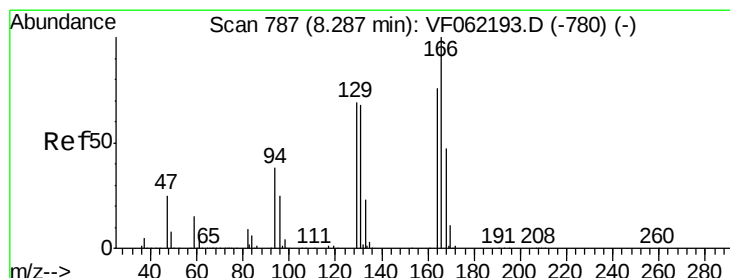
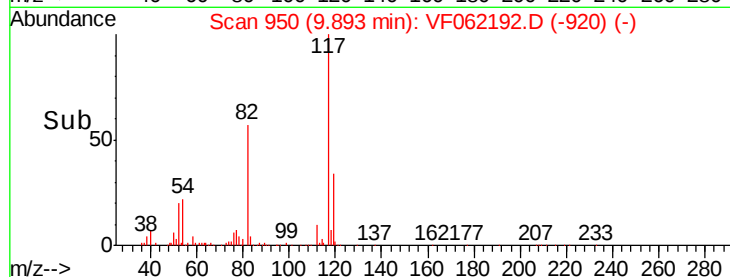
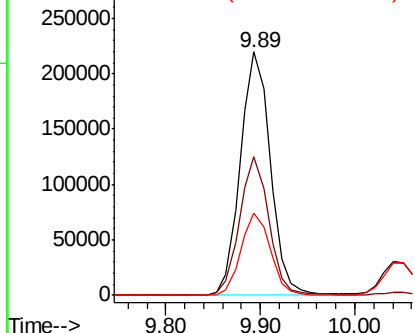
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 485931
Ion Ratio Lower Upper
117 100
82 57.1 43.2 64.8
119 34.0 26.2 39.4

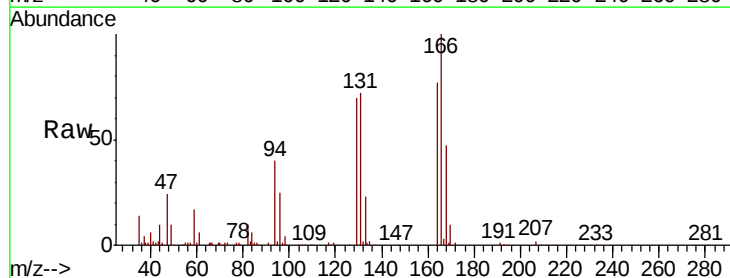


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

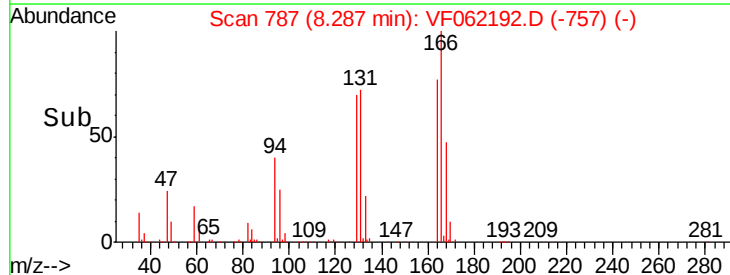
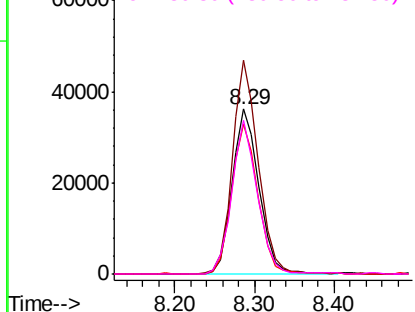


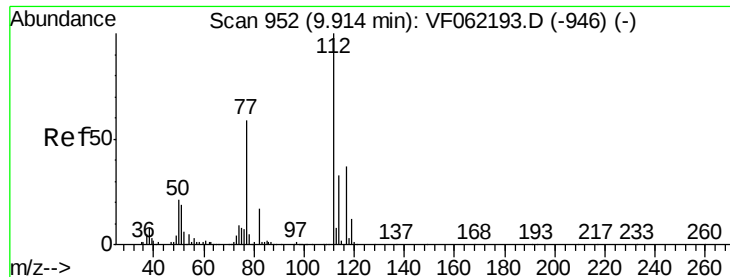
#64
Tetrachloroethene
Concen: 22.088 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion:164 Resp: 84716
Ion Ratio Lower Upper
164 100
166 129.3 104.7 157.1
129 91.0 72.6 109.0
131 93.1 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

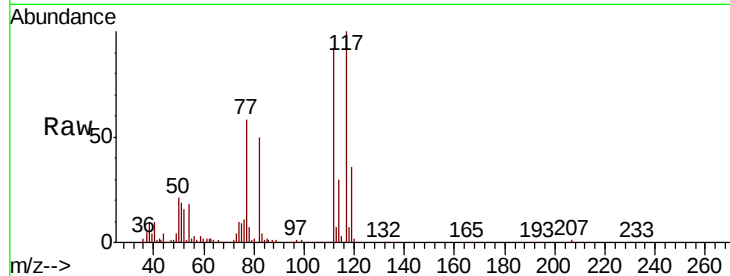




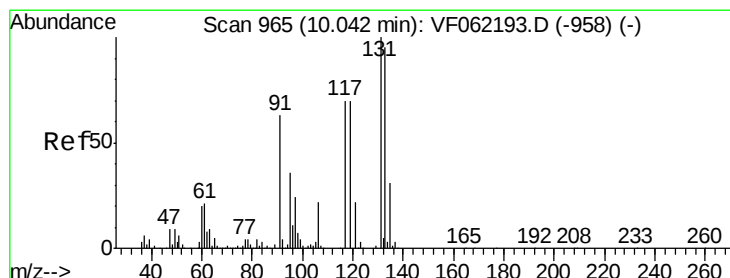
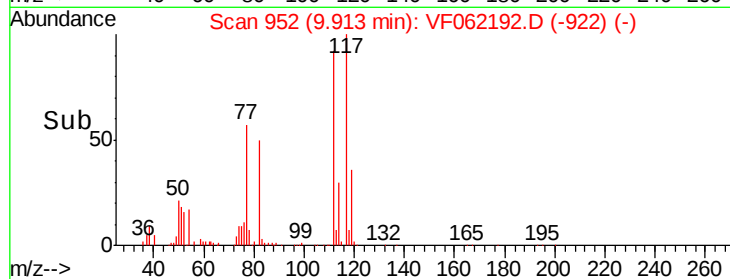
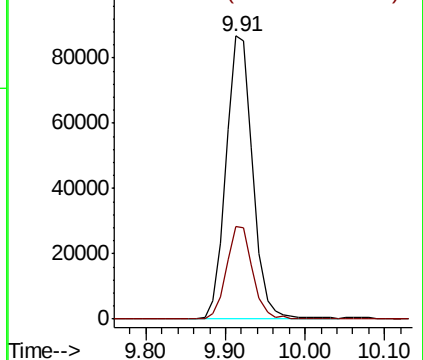
#65
Chlorobenzene
Concen: 19.597 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 204934
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

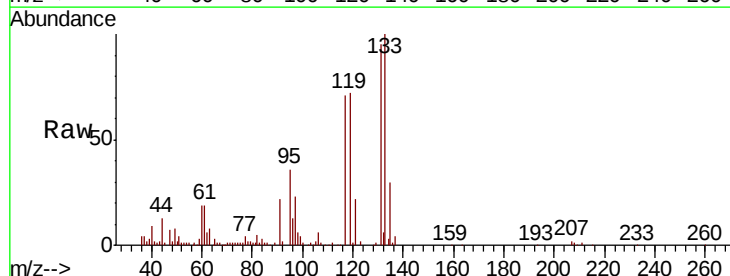


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

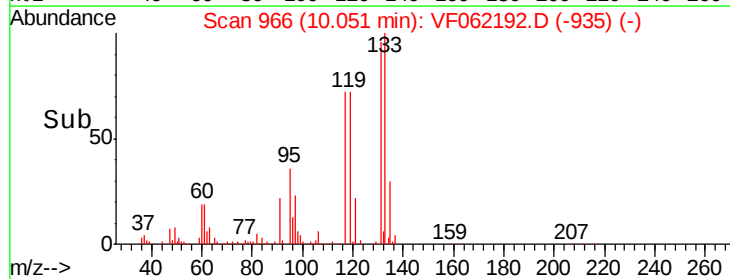
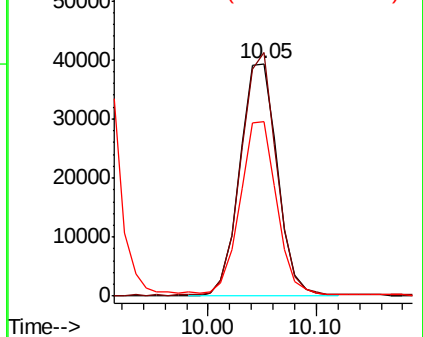


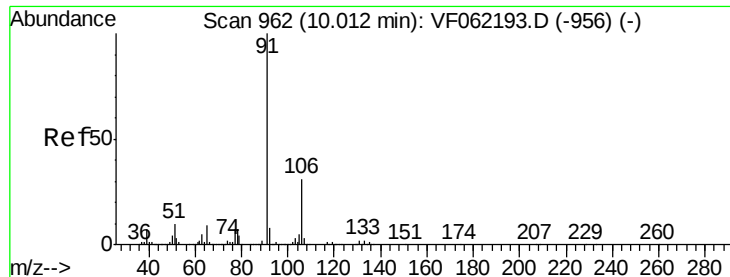
#66
1,1,1,2-Tetrachloroethane
Concen: 24.901 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion:131 Resp: 95477
Ion Ratio Lower Upper
131 100
133 101.0 47.7 143.1
119 73.6 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.175 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

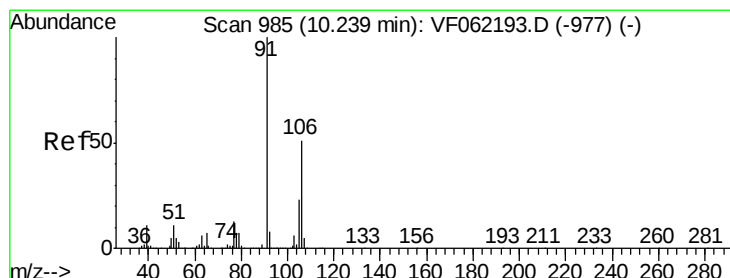
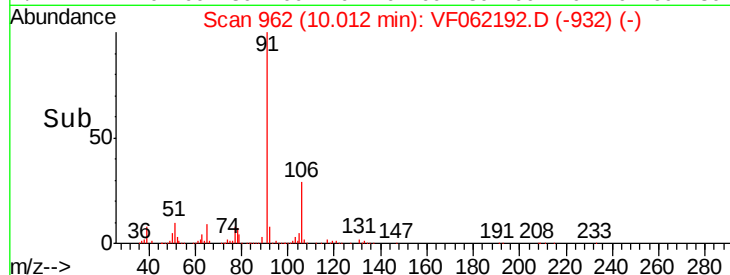
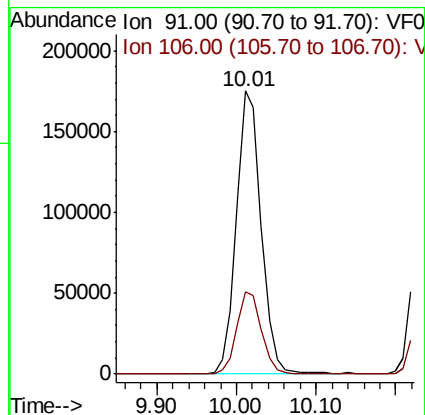
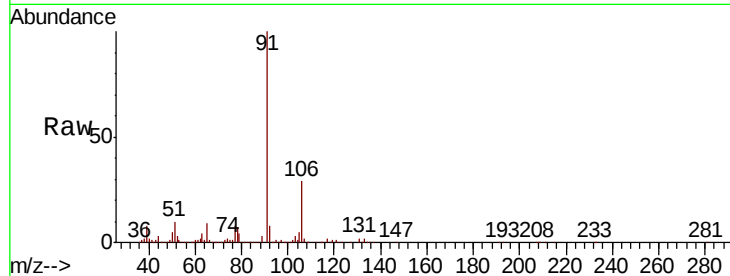
VSTDIC020

Tot Ion: 91 Resp: 379869

Ion Ratio Lower Upper

91 100

106 29.1 24.9 37.3



#68

m/p-Xylenes

Concen: 39.741 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062192.D

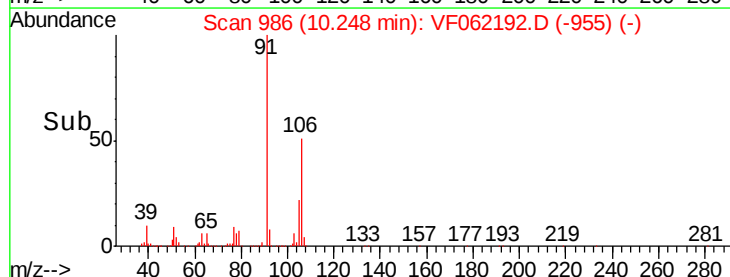
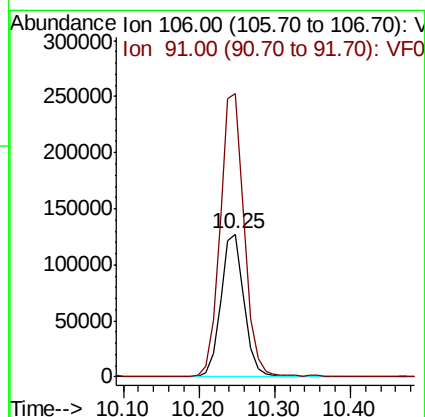
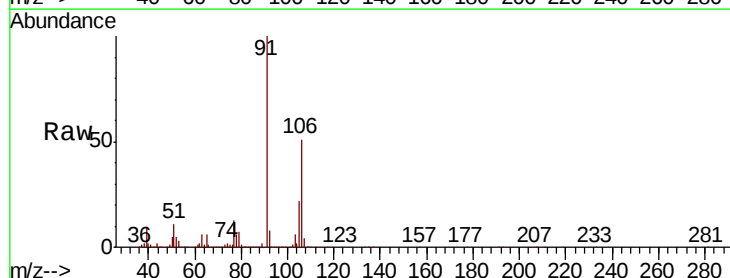
Acq: 17 Apr 2019 18:09

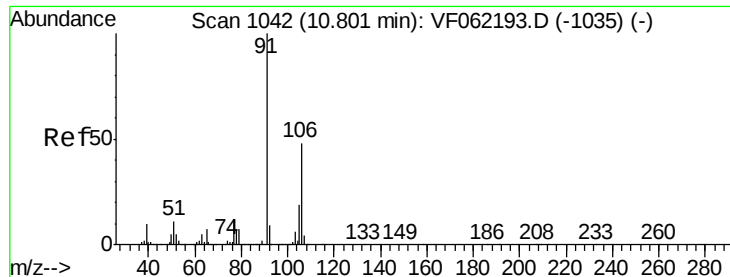
Tgt Ion: 106 Resp: 272253

Ion Ratio Lower Upper

106 100

91 203.8 159.1 238.7

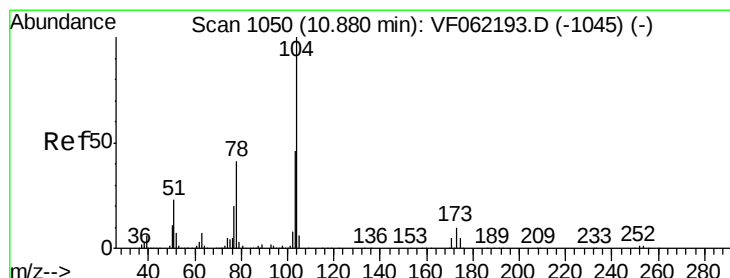
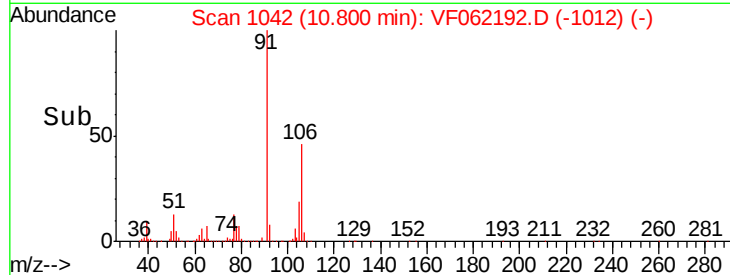
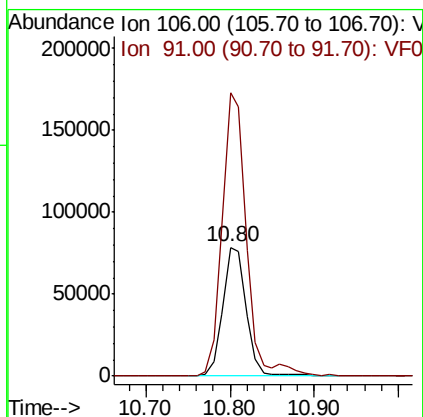
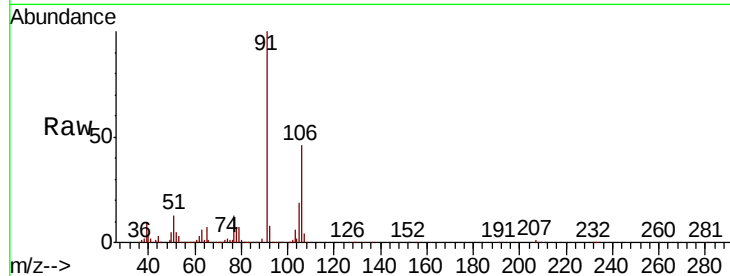




#69
o-Xylene
Concen: 21.940 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

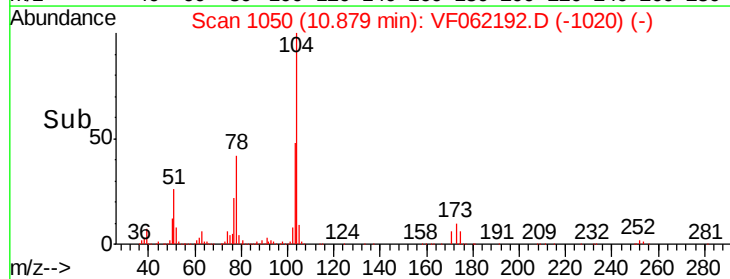
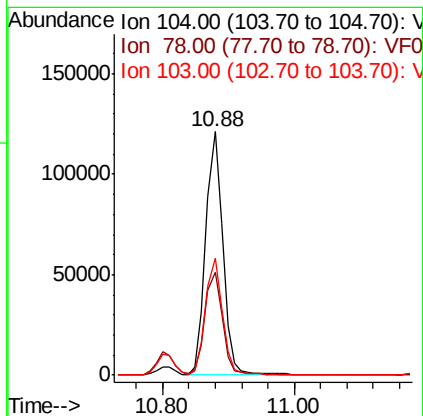
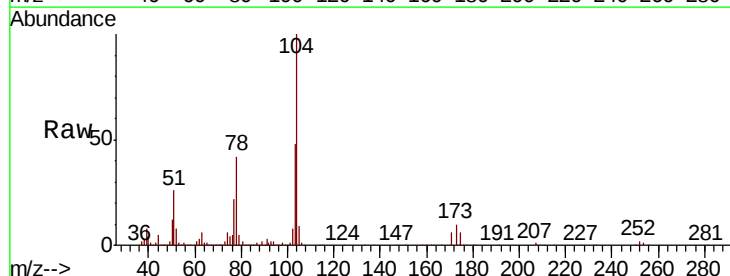
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

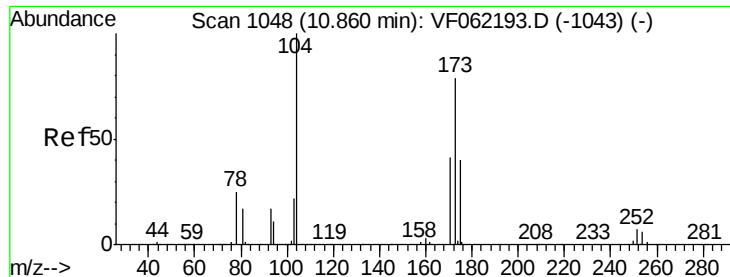
Tot Ion:106 Resp: 150705
Ion Ratio Lower Upper
106 100
91 219.9 107.5 322.4



#70
Styrene
Concen: 18.710 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062192.D
Acq: 17 Apr 2019 18:09

Tgt Ion:104 Resp: 212940
Ion Ratio Lower Upper
104 100
78 42.7 34.5 51.7
103 47.3 37.2 55.8





#71

Bromoform

Concen: 17.074 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

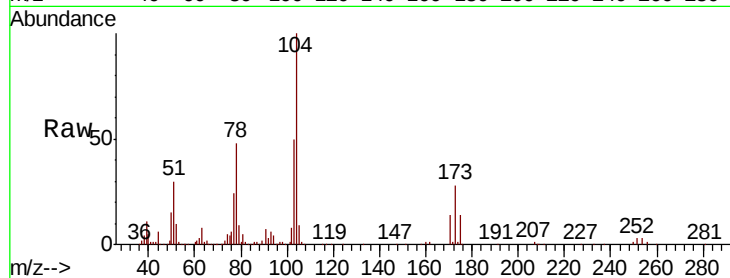
Tot Ion:173 Resp: 48151

Ion Ratio Lower Upper

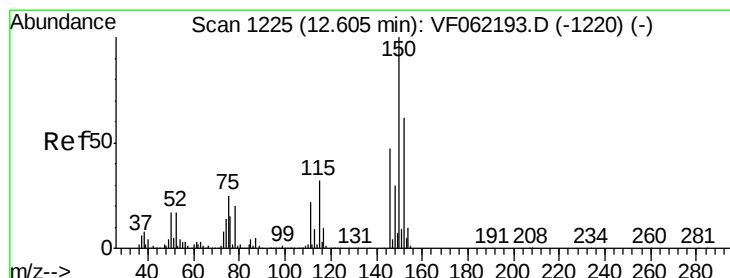
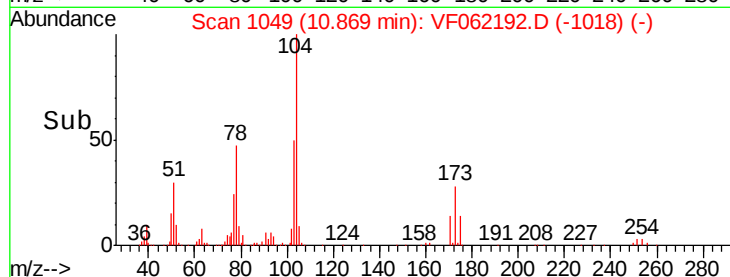
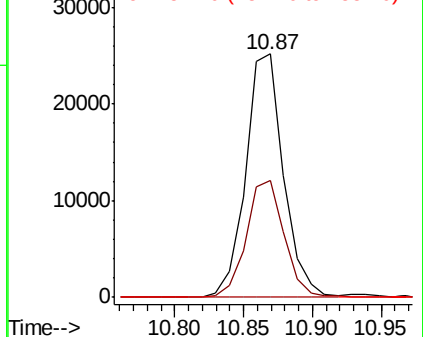
173 100

175 48.4 24.5 73.5

254 0.0 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: 12.60 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

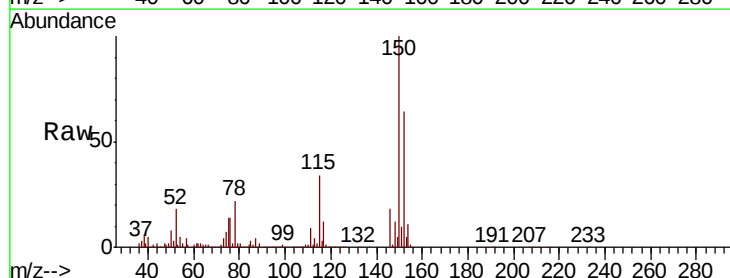
Tgt Ion:152 Resp: 260714

Ion Ratio Lower Upper

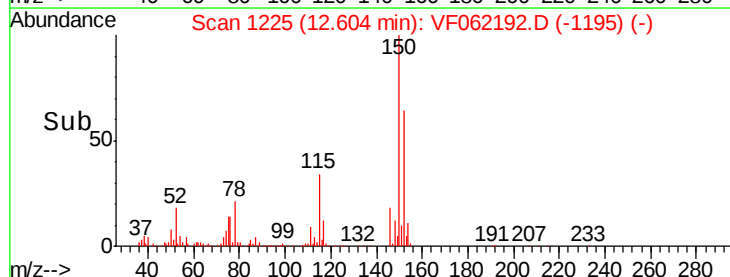
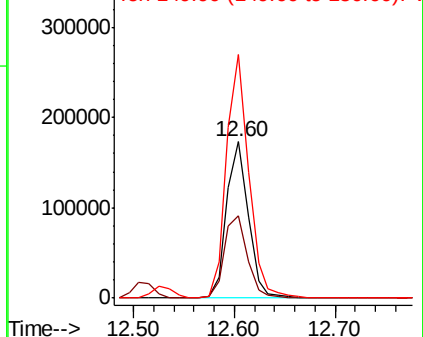
152 100

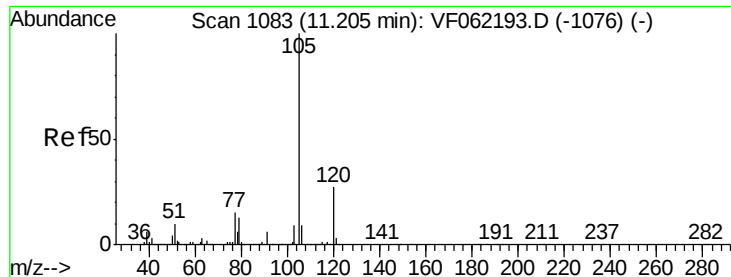
115 55.7 27.8 83.3

150 158.8 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: 22.278 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

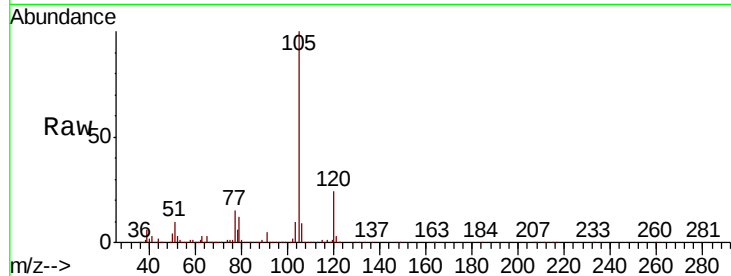
VSTDIC020

Tot Ion:105 Resp: 453388

Ion Ratio Lower Upper

105 100

120 24.4 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

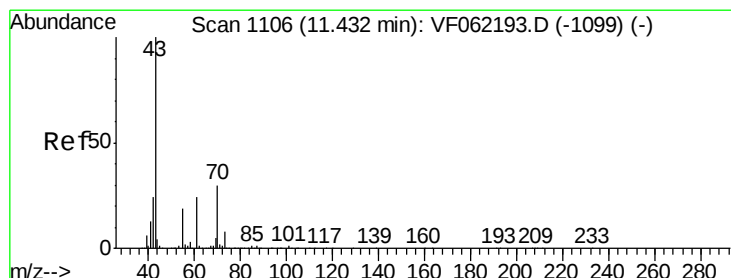
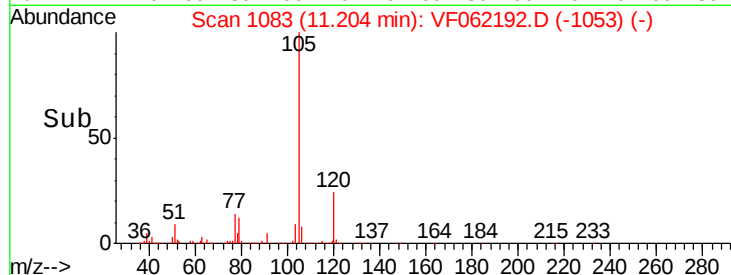
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 11.025 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Tgt Ion: 43 Resp: 114353

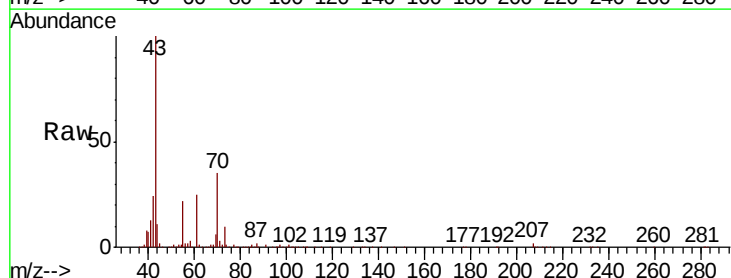
Ion Ratio Lower Upper

43 100

70 35.2 27.0 40.4

55 20.7 15.7 23.5

61 24.9 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

100000

80000

60000

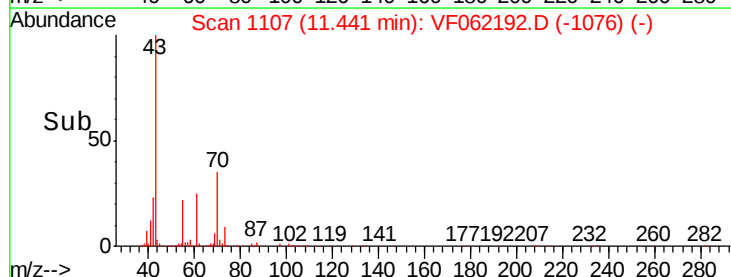
40000

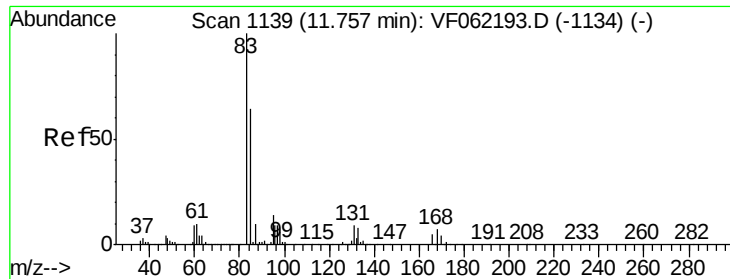
20000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.003 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

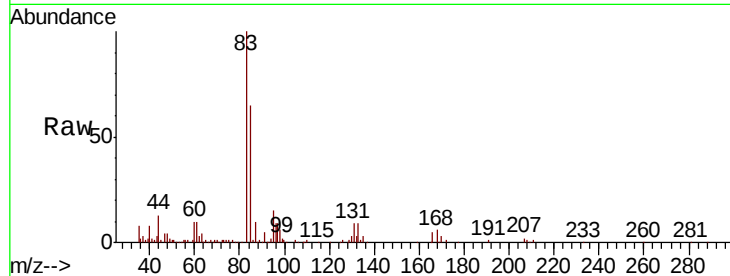
Tot Ion: 83 Resp: 74030

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

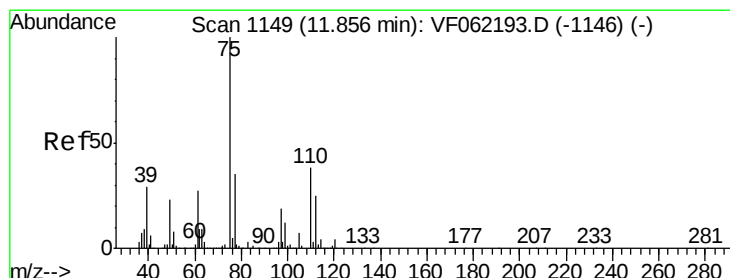
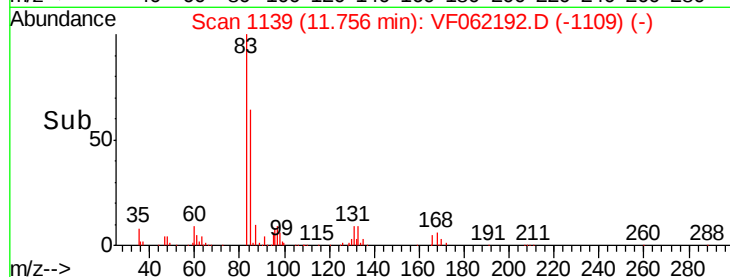
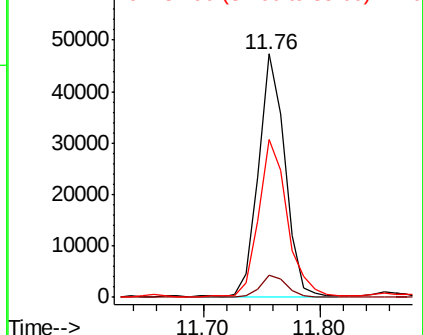
85 71.8 34.7 104.1



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: 8.773 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062192.D

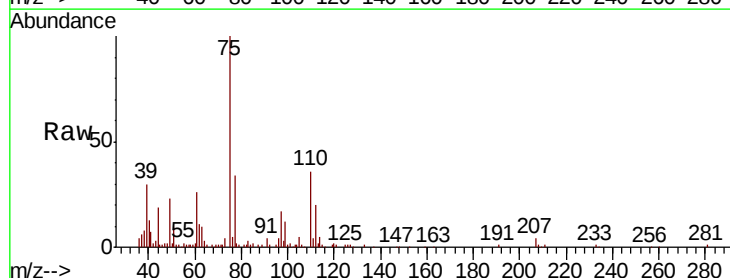
Acq: 17 Apr 2019 18:09

Tgt Ion: 75 Resp: 51002

Ion Ratio Lower Upper

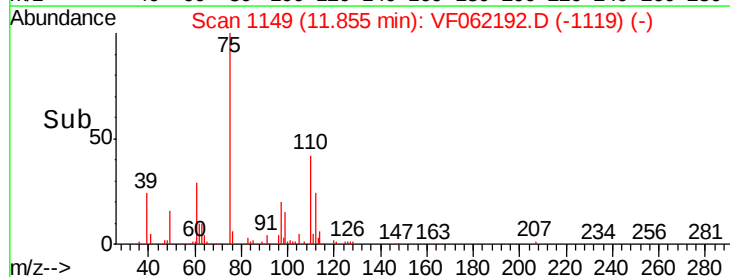
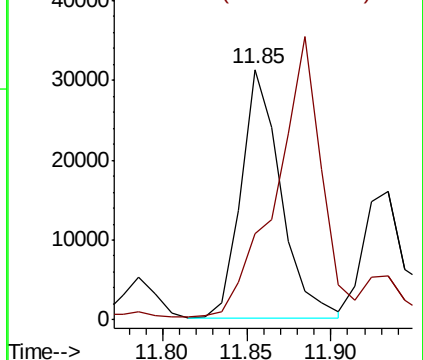
75 100

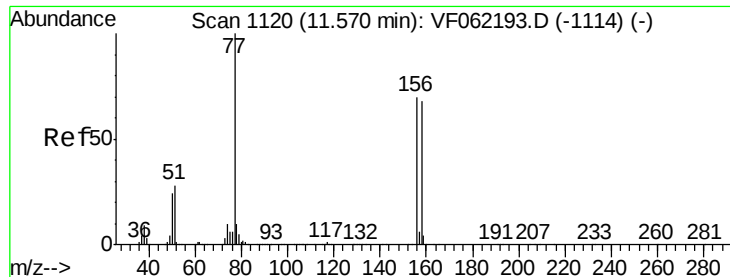
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.361 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

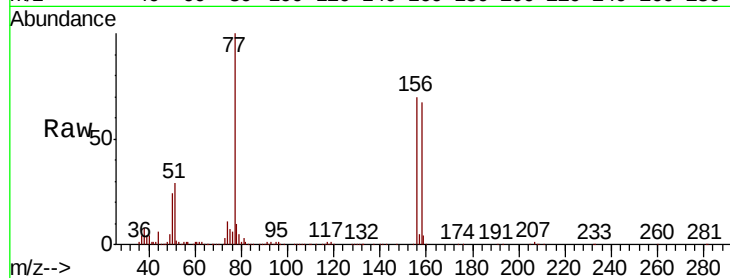
Tot Ion:156 Resp: 96858

Ion Ratio Lower Upper

156 100

77 157.4 80.9 242.7

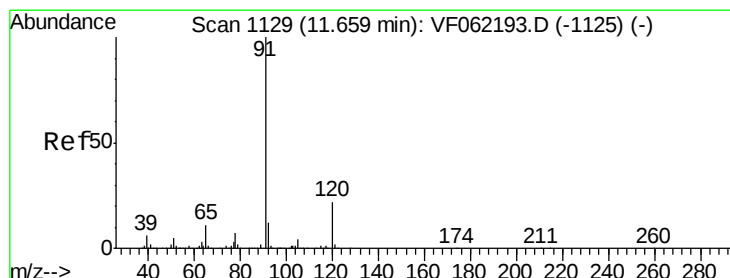
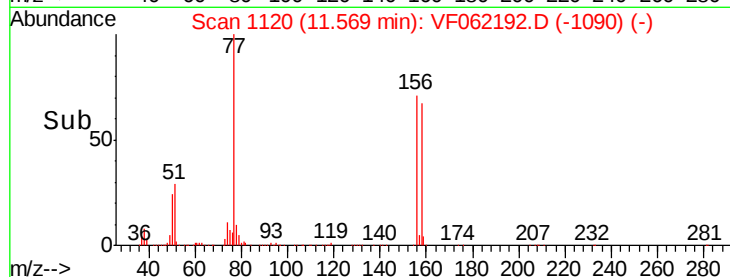
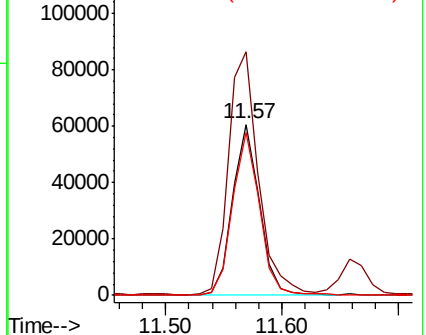
158 96.6 49.8 149.4



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: 20.784 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062192.D

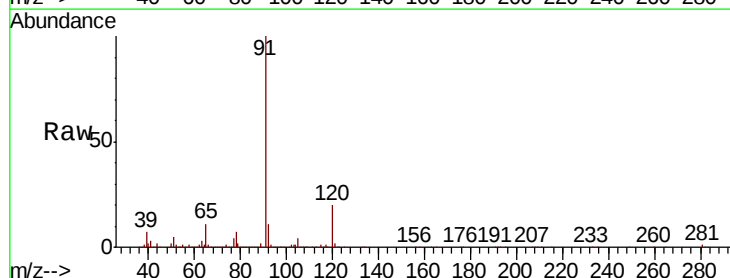
Acq: 17 Apr 2019 18:09

Tgt Ion: 91 Resp: 473667

Ion Ratio Lower Upper

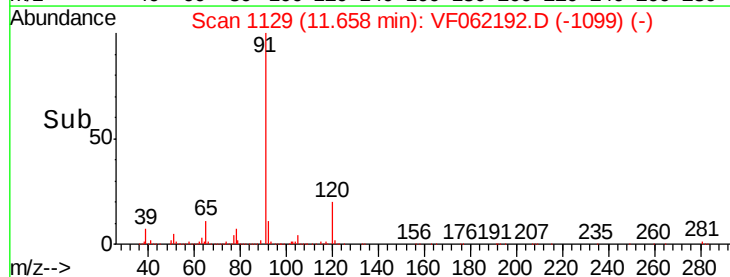
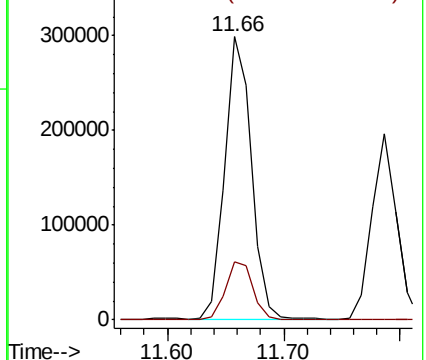
91 100

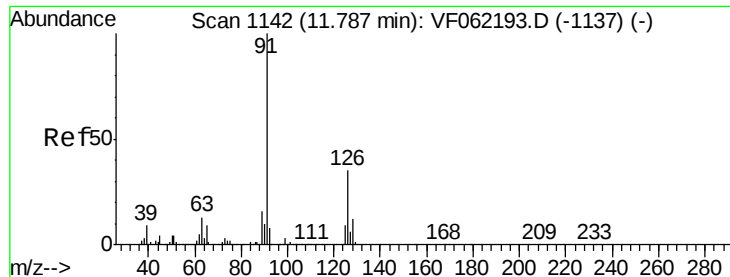
120 21.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.998 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

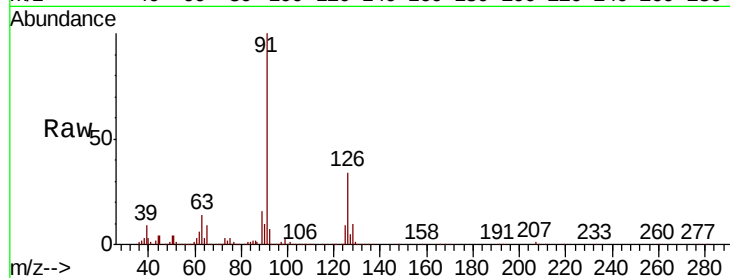
VSTDIC020

Tot Ion: 91 Resp: 290975

Ion Ratio Lower Upper

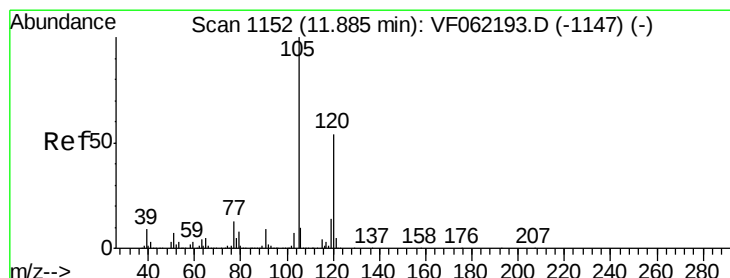
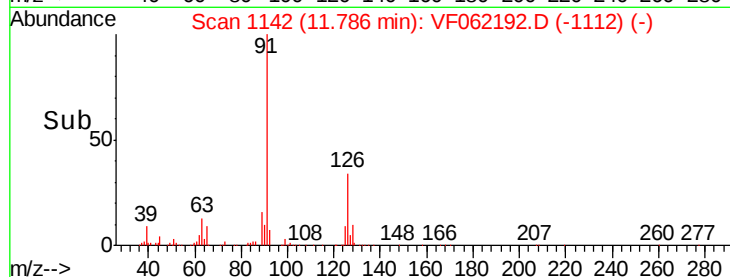
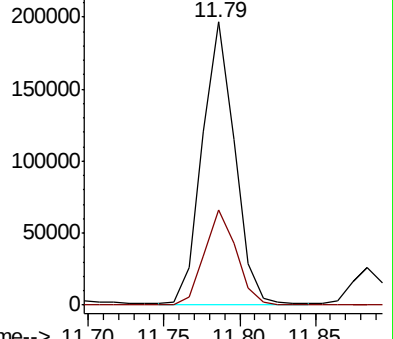
91 100

126 33.6 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: 22.249 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062192.D

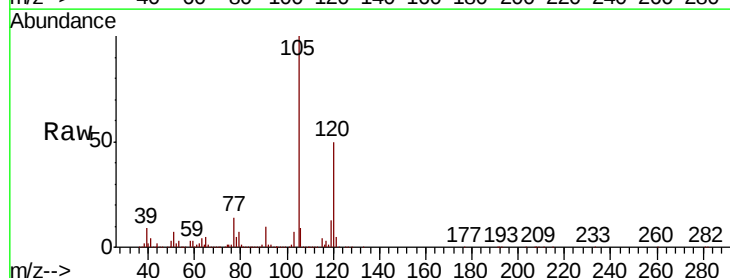
Acq: 17 Apr 2019 18:09

Tgt Ion:105 Resp: 378412

Ion Ratio Lower Upper

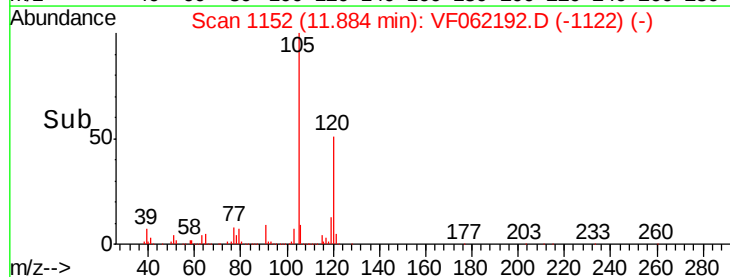
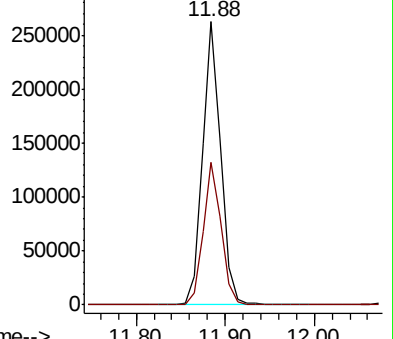
105 100

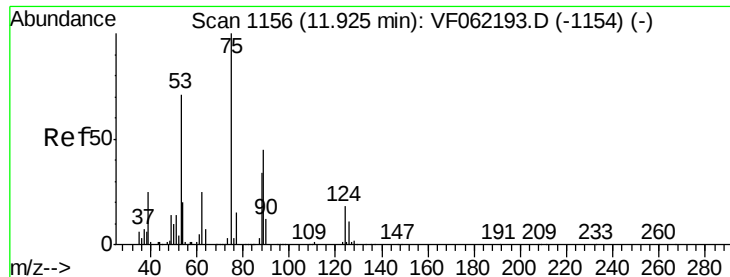
120 50.0 26.2 78.5



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: 14.291 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

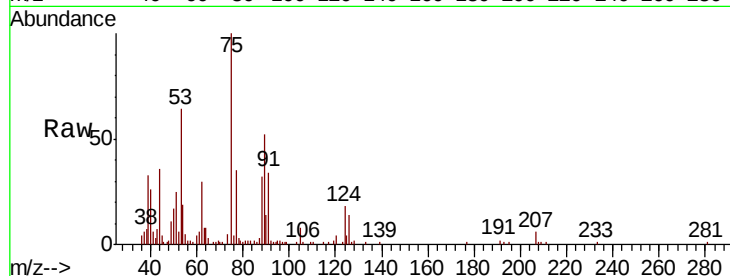
Tot Ion: 75 Resp: 32518

Ion Ratio Lower Upper

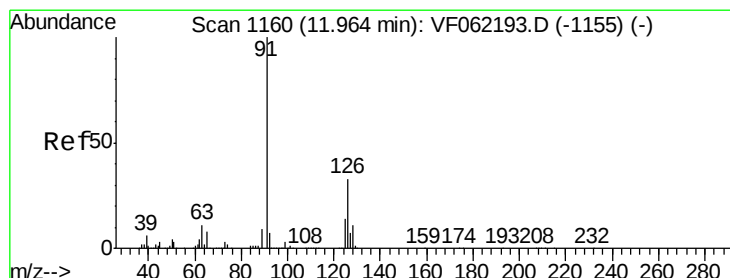
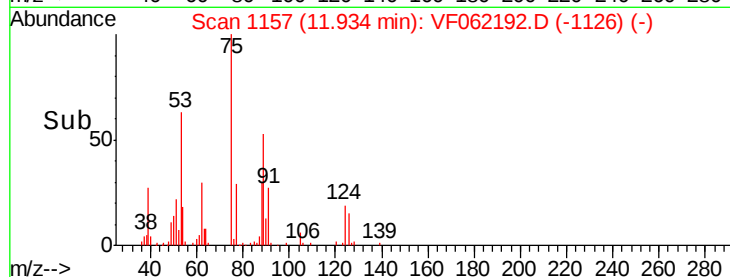
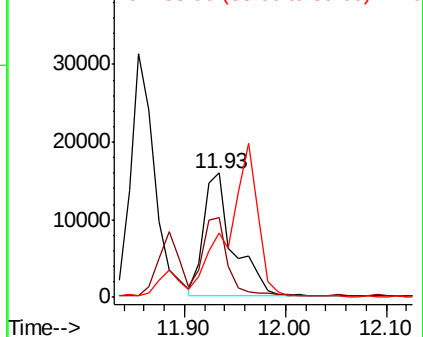
75 100

53 53.8 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: 17.707 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062192.D

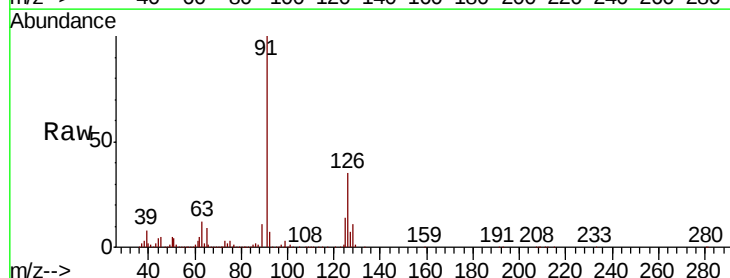
Acq: 17 Apr 2019 18:09

Tgt Ion: 91 Resp: 275894

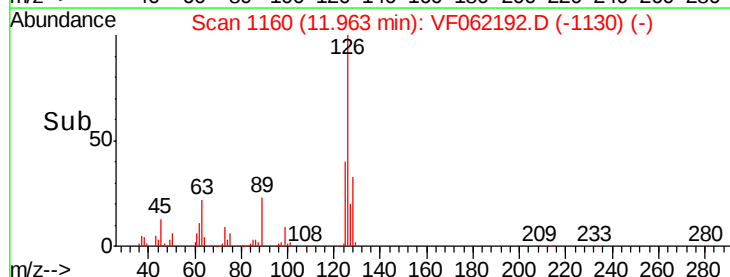
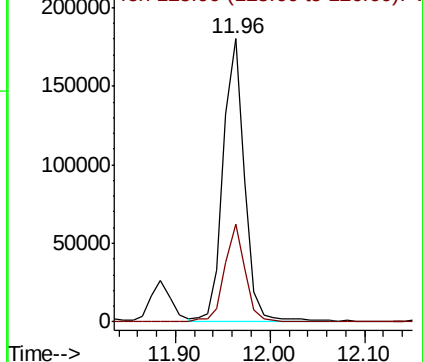
Ion Ratio Lower Upper

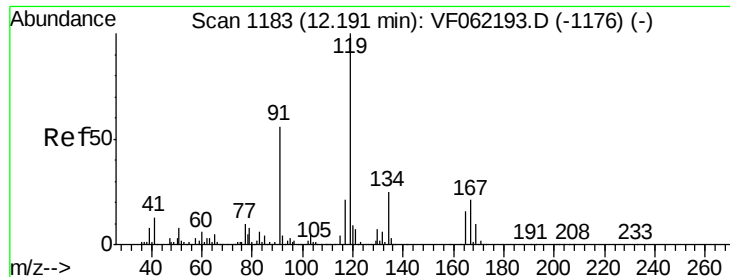
91 100

126 33.9 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: 23.732 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

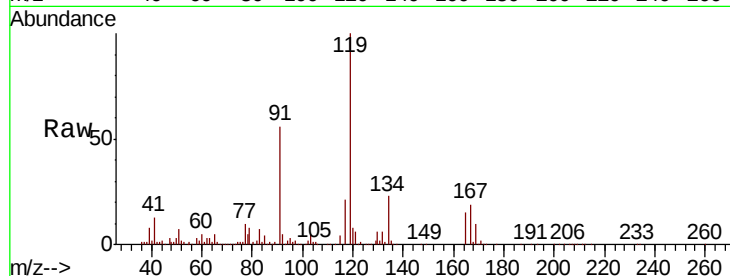
Tot Ion:119 Resp: 394162

Ion Ratio Lower Upper

119 100

91 58.4 29.4 88.2

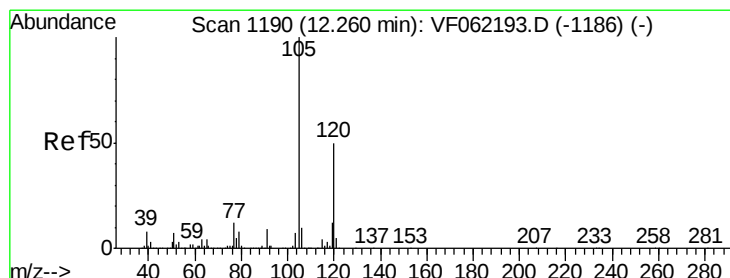
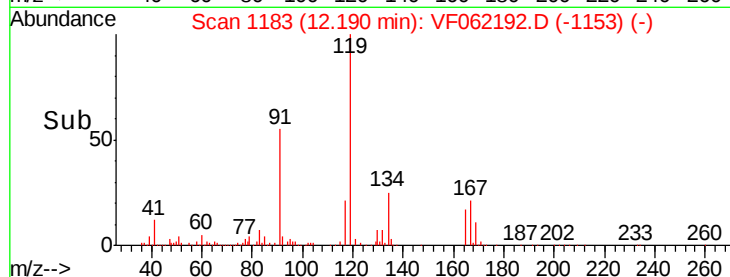
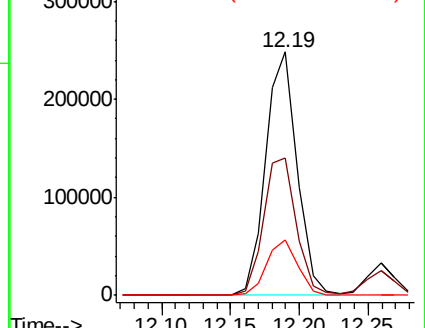
134 22.5 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.487 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VF062192.D

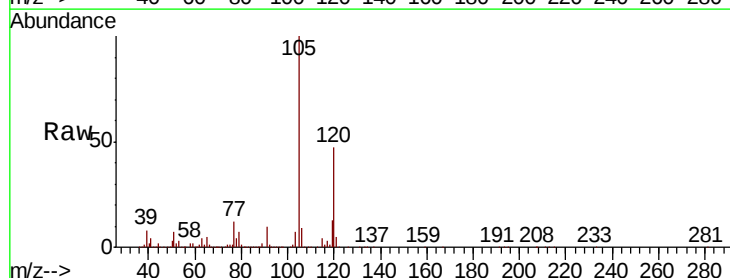
Acq: 17 Apr 2019 18:09

Tgt Ion:105 Resp: 367581

Ion Ratio Lower Upper

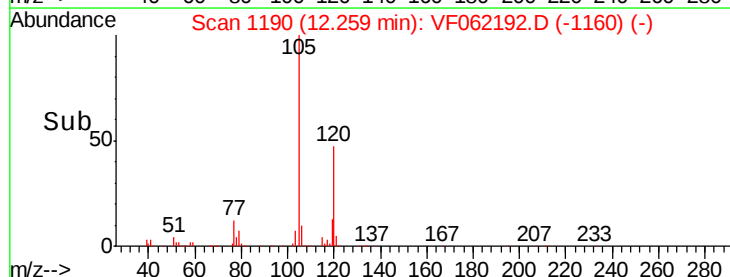
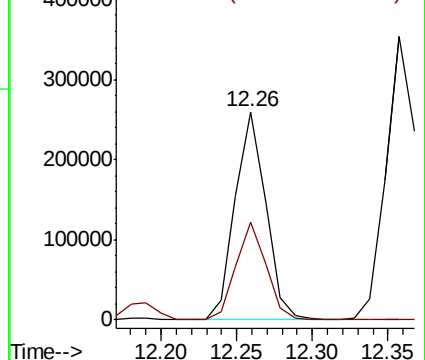
105 100

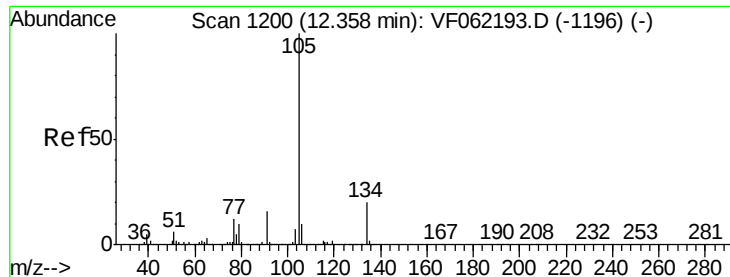
120 46.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

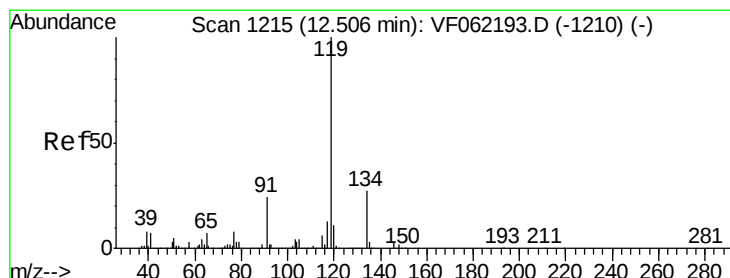
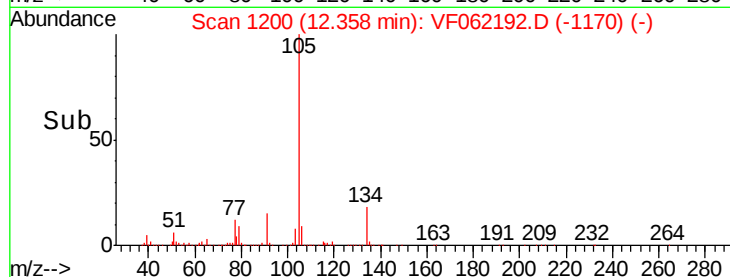
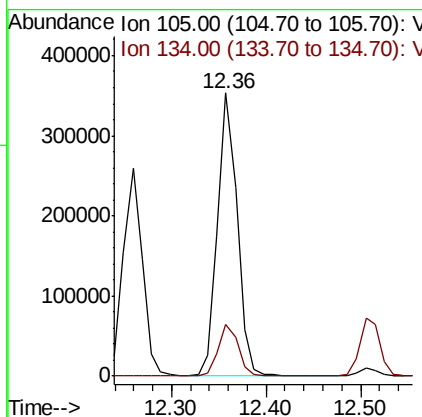
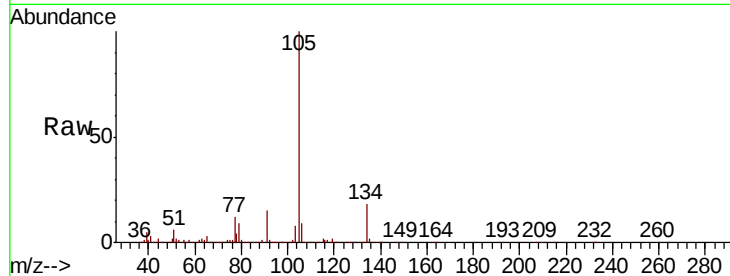




#85
 sec-Butylbenzene
 Concen: 25.298 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

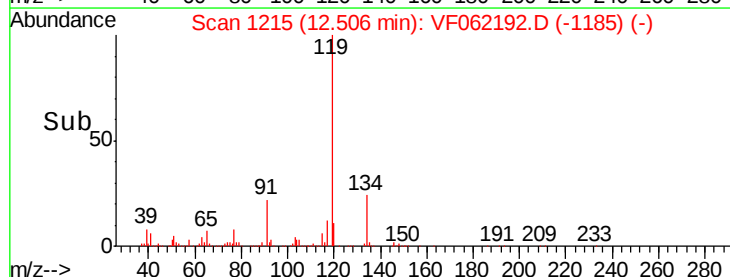
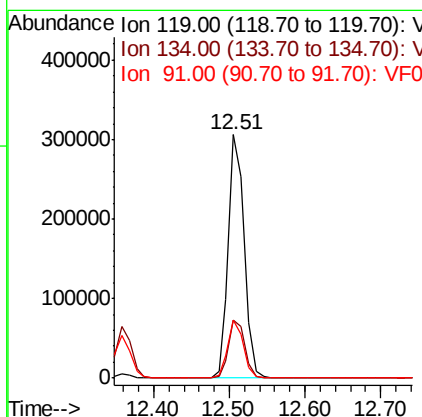
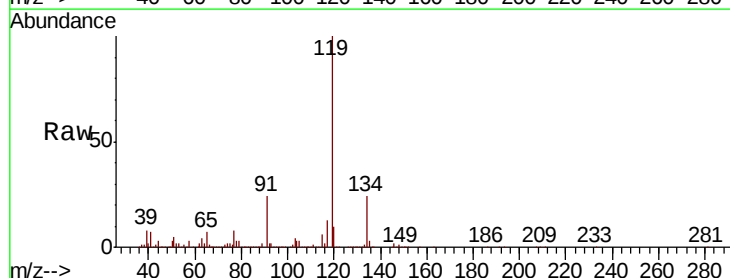
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

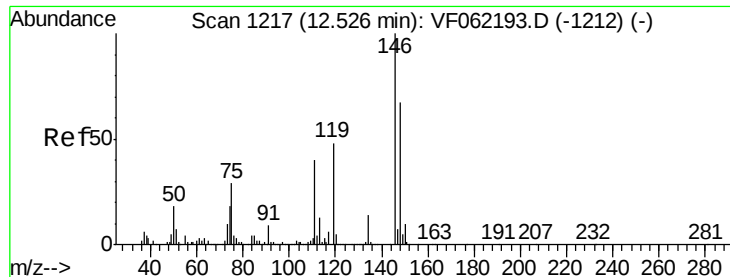
Tot Ion:105 Resp: 509011
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 24.590 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion:119 Resp: 446354
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.2 39.5
 91 23.1 11.7 35.1

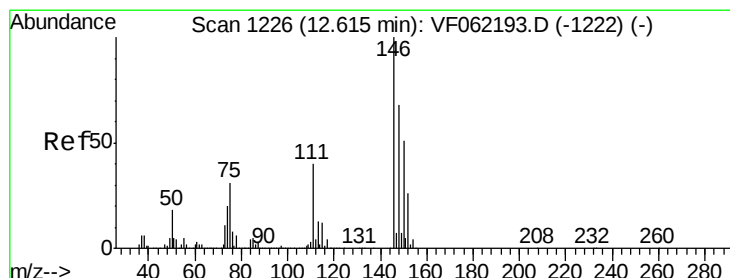
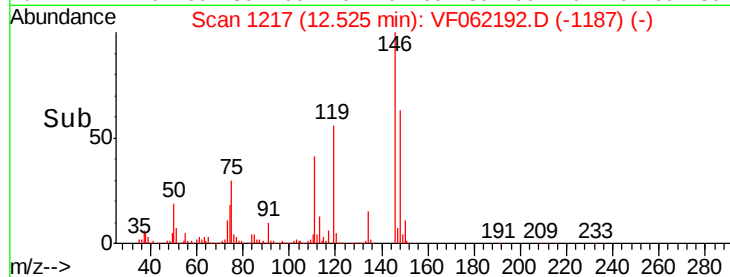
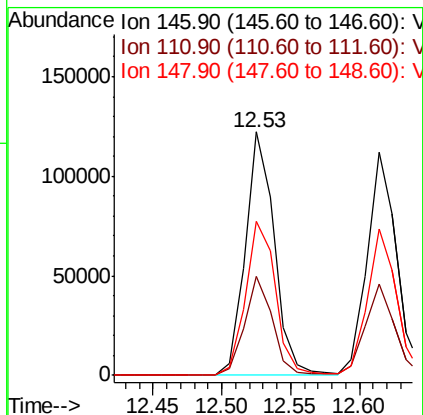
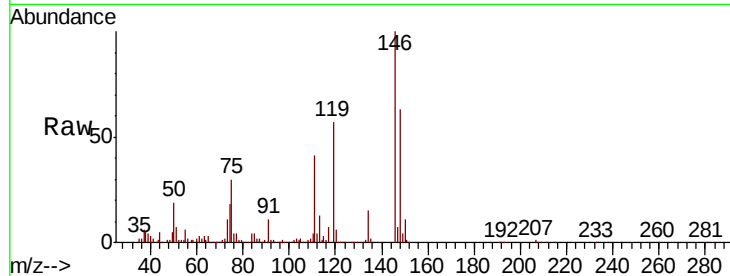




#87
 1,3-Dichlorobenzene
 Concen: 20.569 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

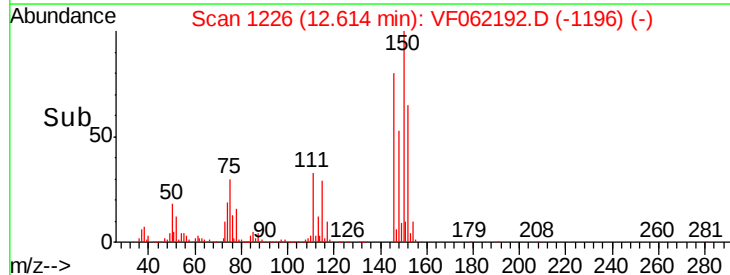
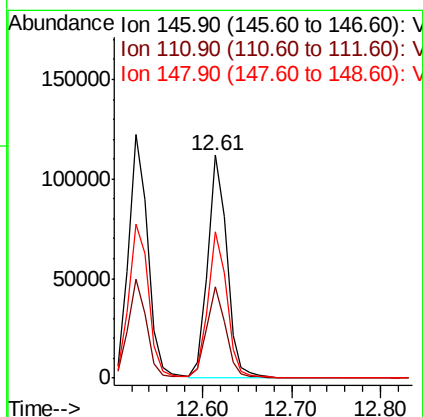
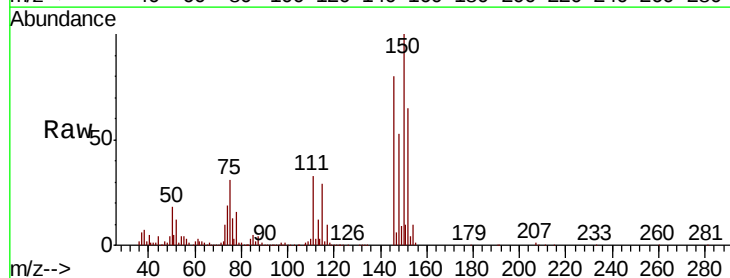
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

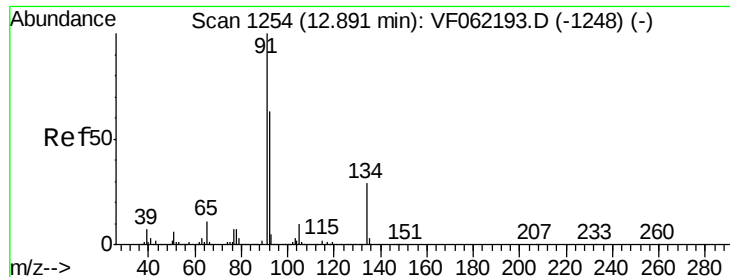
Tot Ion:146 Resp: 180524
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.0
 148 65.7 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 18.934 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion:146 Resp: 168088
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 60.0
 148 64.6 33.6 100.8





#89

n-Butylbenzene

Concen: 25.703 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

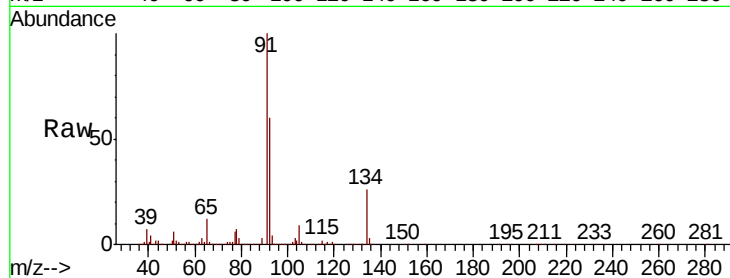
Tot Ion: 91 Resp: 428372

Ion Ratio Lower Upper

91 100

92 58.8 31.2 93.6

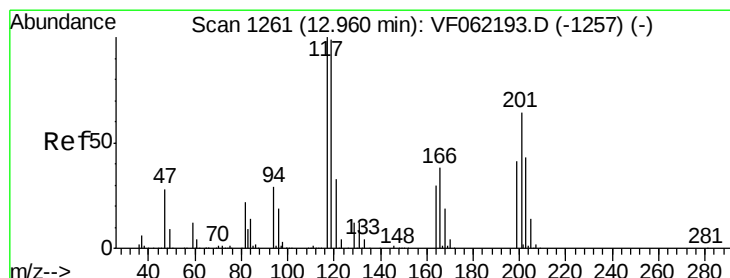
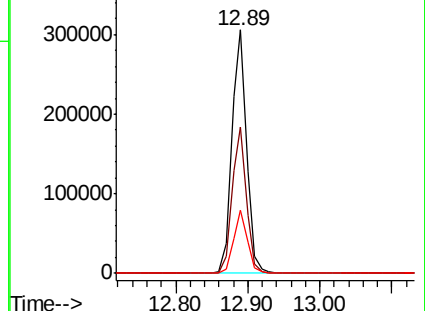
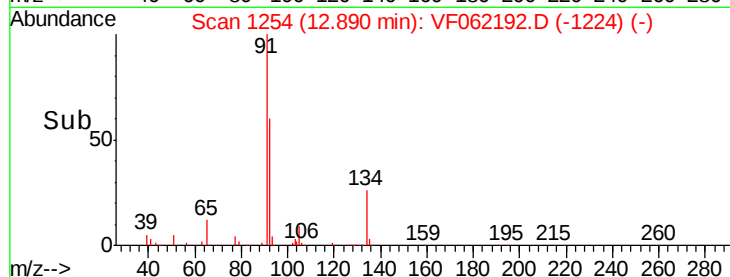
134 24.9 13.1 39.1



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: 33.359 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VF062192.D

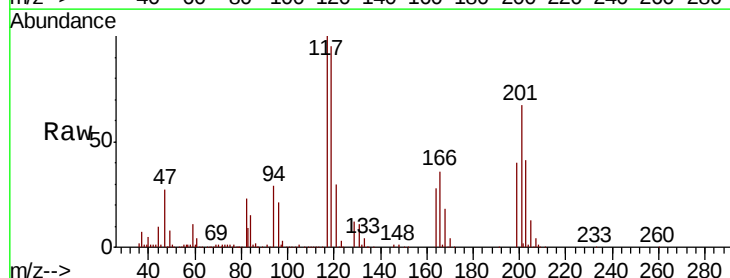
Acq: 17 Apr 2019 18:09

Tgt Ion: 117 Resp: 111028

Ion Ratio Lower Upper

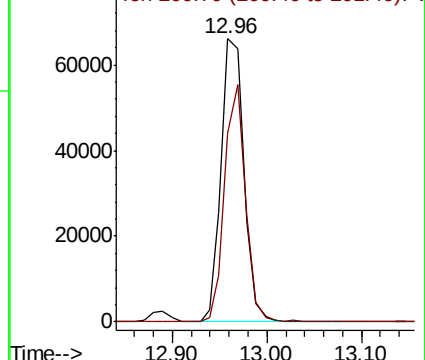
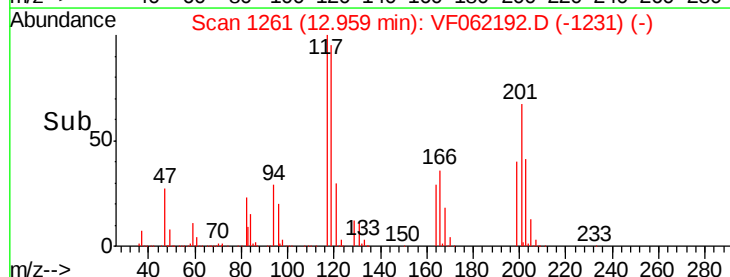
117 100

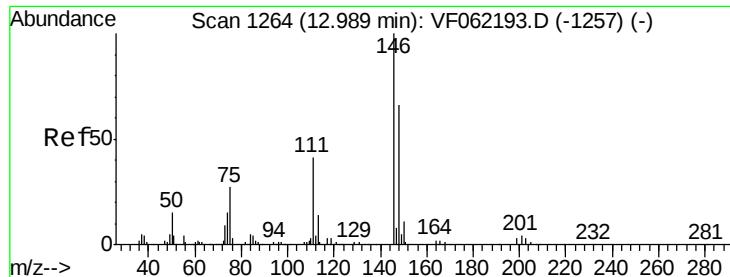
201 76.3 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.064 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

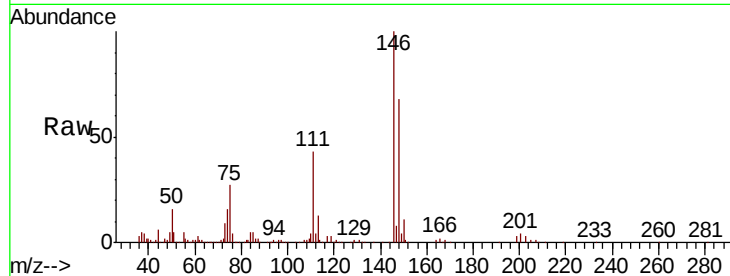
Tot Ion:146 Resp: 173721

Ion Ratio Lower Upper

146 100

111 43.5 20.8 62.5

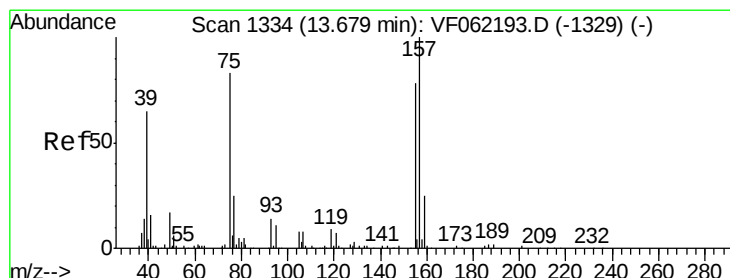
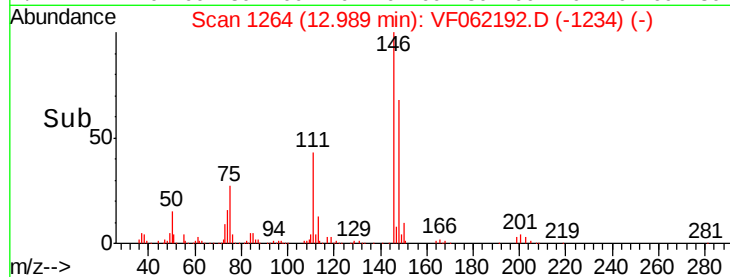
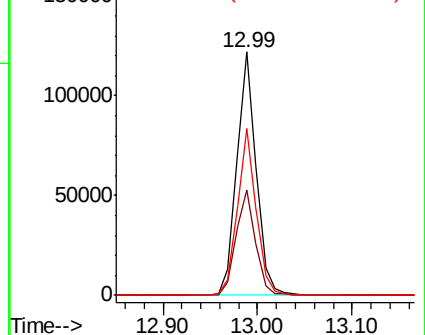
148 66.2 33.0 99.0



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: 9.445 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

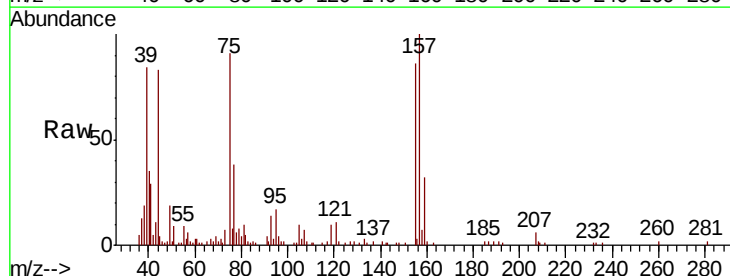
Tgt Ion: 75 Resp: 14299

Ion Ratio Lower Upper

75 100

155 94.5 47.6 142.8

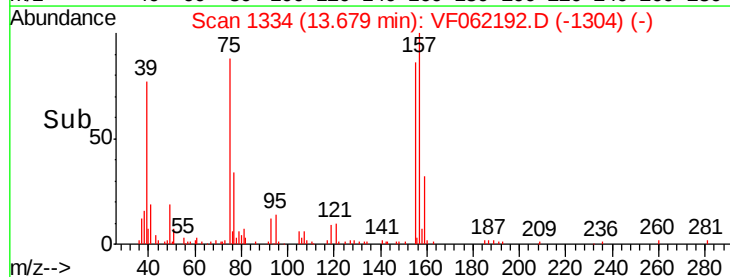
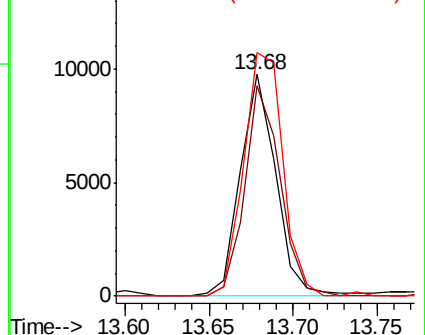
157 120.8 61.3 183.9

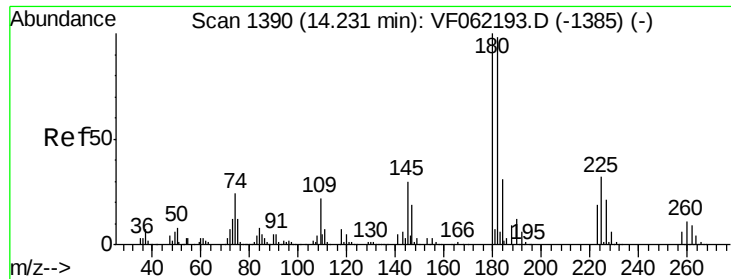


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

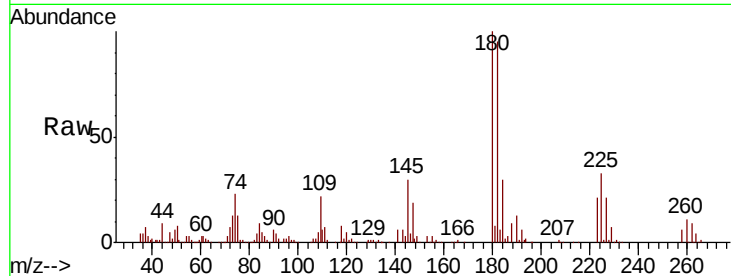




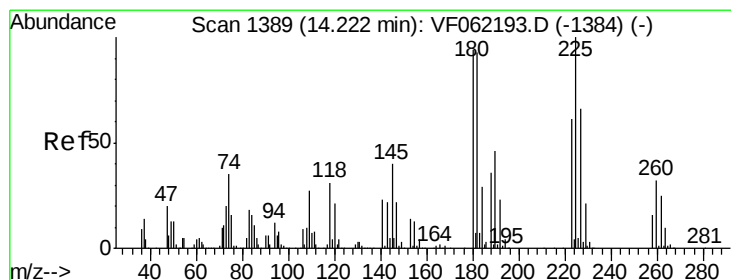
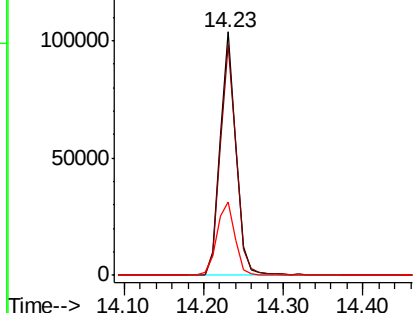
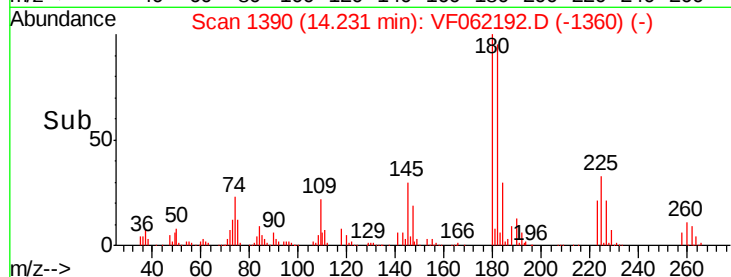
#93
 1,2,4-Trichlorobenzene
 Concen: 22.870 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 146293
 Ion Ratio Lower Upper
 180 100
 182 96.6 49.3 147.9
 145 34.7 18.1 54.4

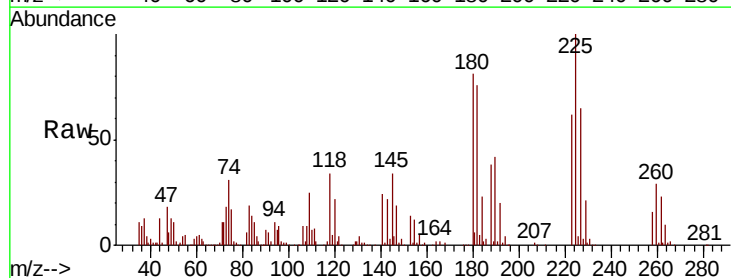


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

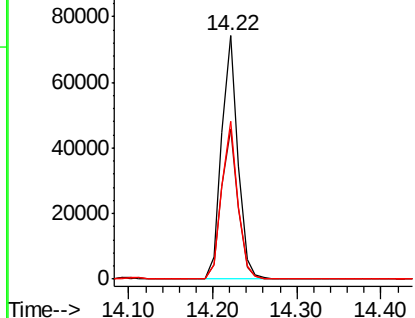
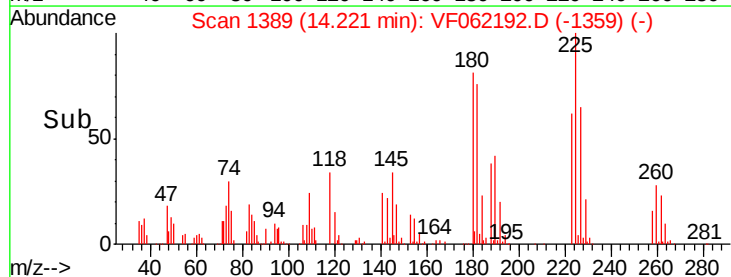


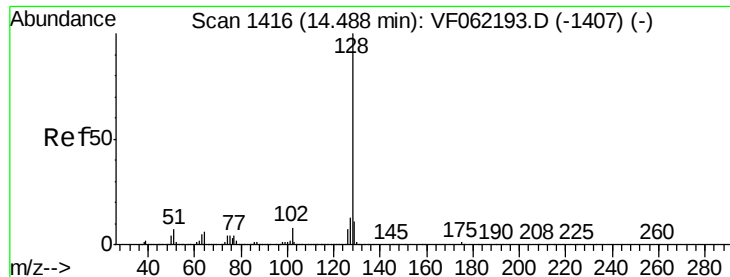
#94
 Hexachlorobutadiene
 Concen: 29.192 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062192.D
 Acq: 17 Apr 2019 18:09

Tgt Ion:225 Resp: 100379
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.0 93.0
 227 64.2 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 12.915 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

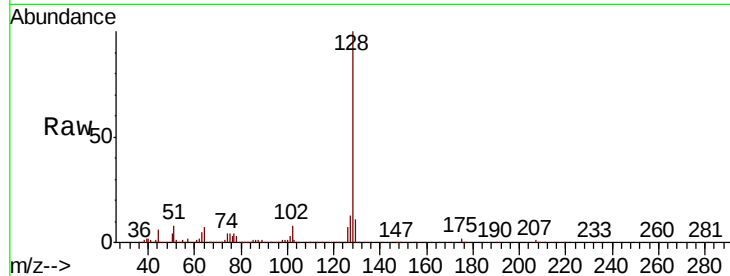
Tot Ion:128 Resp: 243152

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

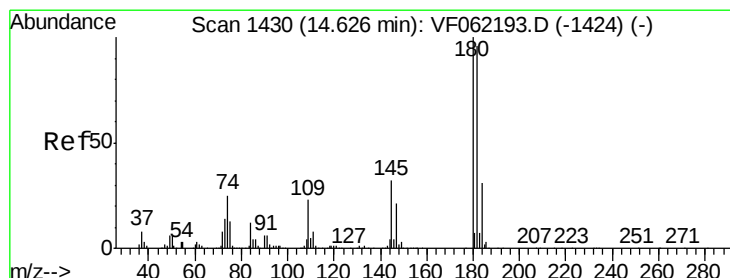
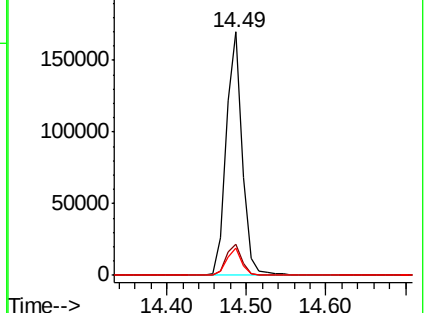
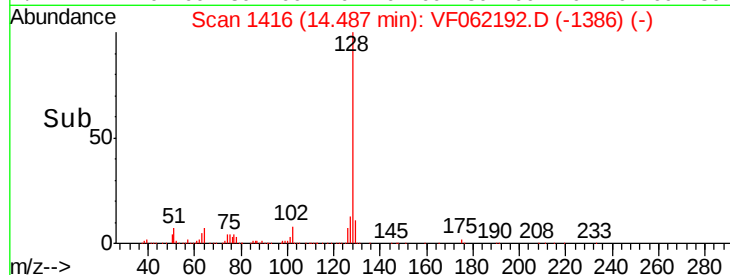
129 10.9 9.2 13.8



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: 21.585 ug/l

RT: 14.62 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062192.D

Acq: 17 Apr 2019 18:09

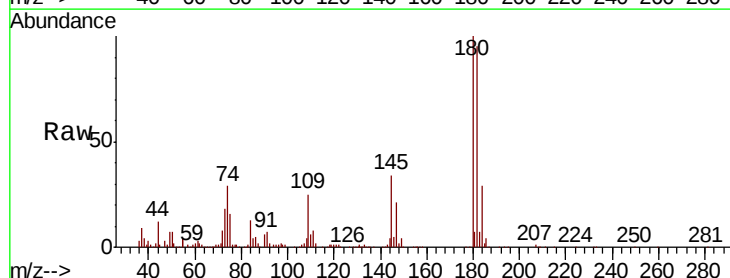
Tgt Ion:180 Resp: 137092

Ion Ratio Lower Upper

180 100

182 95.2 48.4 145.3

145 31.0 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

