

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062173.D
 Acq On : 16 Apr 2019 12:45
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Apr 17 07:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	423806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	654633	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	539796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	260238	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	292127	76.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	153.02%	
35) Dibromofluoromethane	4.31	113	378096	73.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.44%	
50) Toluene-d8	7.71	98	1108320	73.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.90%	
62) 4-Bromofluorobenzene	11.49	95	402542	67.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	439293	70.524	ug/l	98
3) Chloromethane	1.13	50	491575	73.419	ug/l	98
4) Vinyl Chloride	1.18	62	429246	73.226	ug/l	96
5) Bromomethane	1.36	94	278280	73.964	ug/l	92
6) Chloroethane	1.44	64	202661	73.073	ug/l	100
7) Trichlorofluoromethane	1.54	101	499704	71.481	ug/l	98
8) Diethyl Ether	1.71	74	96690	68.559	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.91	101	321462	70.252	ug/l	98
10) Methyl Iodide	1.98	142	620932	72.797	ug/l	99
11) Tert butyl alcohol	2.69	59	80882	382.165	ug/l	95
12) 1,1-Dichloroethene	1.86	96	340307	73.130	ug/l	96
13) Acrolein	2.10	56	40583	245.924	ug/l	99
14) Allyl chloride	2.20	41	461508	65.863	ug/l	99
15) Acrylonitrile	3.09	53	324582	416.509	ug/l	97
16) Acetone	2.35	43	318256	369.698	ug/l	99
17) Carbon Disulfide	1.90	76	986366	74.531	ug/l	97
18) Methyl Acetate	2.46	43	131318	64.295	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	545079	70.419	ug/l	99
20) Methylene Chloride	2.34	84	187811	38.077	ug/l	99
21) trans-1,2-Dichloroethene	2.43	96	310182	69.666	ug/l	95
22) Diisopropyl ether	2.94	45	901677	69.228	ug/l	98
23) Vinyl Acetate	3.34	43	2388390	367.613	ug/l	99
24) 1,1-Dichloroethane	3.01	63	537288	74.077	ug/l	99
25) 2-Butanone	4.53	43	682989	369.222	ug/l	100
26) 2,2-Dichloropropane	3.78	77	270622	70.936	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	433779	73.395	ug/l	94
28) Bromochloromethane	3.90	49	249967	71.972	ug/l	87
29) Tetrahydrofuran	4.26	42	291411	354.290	ug/l	97
30) Chloroform	4.05	83	656153	72.765	ug/l	99
31) Cyclohexane	3.87	56	682967	72.943	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	430004	69.931	ug/l	99
36) 1,1-Dichloropropene	4.48	75	510317	70.162	ug/l	96
37) Ethyl Acetate	4.30	43	239917	71.586	ug/l	99
38) Carbon Tetrachloride	4.19	117	535750	84.219	ug/l	98

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Quant Time: Apr 17 07:29:22 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	669436	73.445	ug/l	98
40) Benzene	4.82	78	1405839	73.172	ug/l	98
41) Methacrylonitrile	4.93	41	144506	71.760	ug/l	96
42) 1,2-Dichloroethane	5.13	62	376381	77.401	ug/l	97
43) Isopropyl Acetate	7.11	43	279872	71.855	ug/l #	98
44) Trichloroethene	5.69	130	364319	70.846	ug/l	95
45) 1,2-Dichloropropane	6.41	63	336964	71.492	ug/l	95
46) Dibromomethane	6.26	93	211076	74.265	ug/l	99
47) Bromodichloromethane	6.56	83	463017	71.908	ug/l	99
48) Methyl methacrylate	6.87	41	186238	73.458	ug/l	97
49) 1,4-Dioxane	6.86	88	27528	1393.378	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	1083527	363.132	ug/l	97
52) Toluene	7.78	92	795144	70.450	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	403571	72.359	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	512428	72.254	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	237898	73.594	ug/l	97
56) Ethyl methacrylate	8.75	69	268580	69.872	ug/l	99
57) 1,3-Dichloropropane	8.99	76	385092	72.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	373337	376.964	ug/l	92
59) 2-Hexanone	9.62	43	645676	340.012	ug/l	100
60) Dibromochloromethane	8.86	129	315855	71.016	ug/l	100
61) 1,2-Dibromoethane	9.13	107	251740	72.790	ug/l	99
64) Tetrachloroethene	8.30	164	320310	72.653	ug/l	98
65) Chlorobenzene	9.94	112	809478	72.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	325568	70.228	ug/l	97
67) Ethyl Benzene	10.03	91	1384342	66.506	ug/l	100
68) m/p-Xylenes	10.26	106	1066000	139.092	ug/l	93
69) o-Xylene	10.81	106	582757	70.246	ug/l	98
70) Styrene	10.89	104	824140	68.338	ug/l	99
71) Bromoform	10.87	173	175502	72.290	ug/l #	96
73) Isopropylbenzene	11.22	105	1550928	69.177	ug/l	96
74) N-amyl acetate	11.45	43	377193	64.548	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	284721	71.291	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	196866	72.748	ug/l	97
77) Bromobenzene	11.58	156	331135	71.020	ug/l	87
78) n-propylbenzene	11.67	91	1711612	67.165	ug/l	98
79) 2-Chlorotoluene	11.80	91	1017077	67.708	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	1267895	67.808	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	121205	83.235	ug/l	99
82) 4-Chlorotoluene	11.98	91	986163	66.991	ug/l	94
83) tert-Butylbenzene	12.19	119	1252462	67.456	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1225313	67.523	ug/l	95
85) sec-Butylbenzene	12.37	105	1628921	66.719	ug/l	95
86) p-Isopropyltoluene	12.52	119	1391999	66.925	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	581769	68.198	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	574339	69.055	ug/l	98
89) n-Butylbenzene	12.89	91	1301945	62.540	ug/l	99
90) Hexachloroethane	12.97	117	363855	71.415	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	553180	67.572	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	52054	72.367	ug/l	69

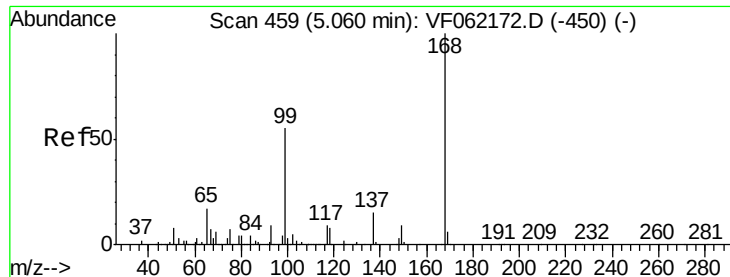
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
Data File : VF062173.D
Acq On : 16 Apr 2019 12:45
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Instrument :
MSVOA_F
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Quant Time: Apr 17 07:29:22 2019
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Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:22:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	417942	67.975	ug/l	98
94) Hexachlorobutadiene	14.22	225	285027	71.133	ug/l	99
95) Naphthalene	14.49	128	797903	74.280	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	401252	70.047	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

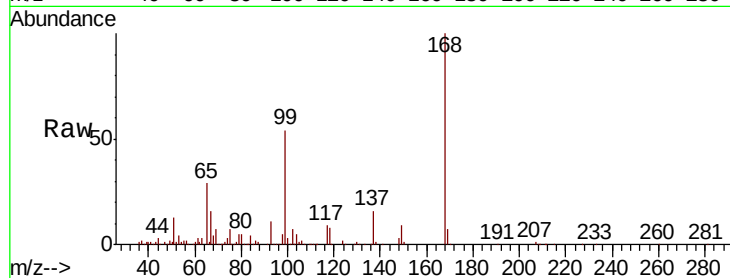
VSTDIC075

Tot Ion:168 Resp: 423806

Ion Ratio Lower Upper

168 100

99 54.2 44.2 66.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

150000

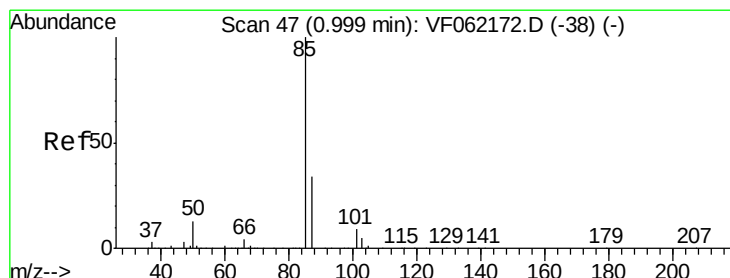
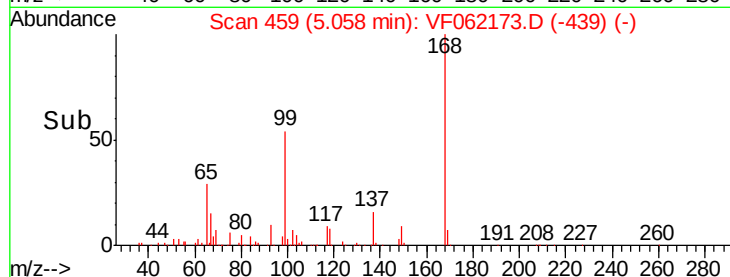
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 70.524 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062173.D

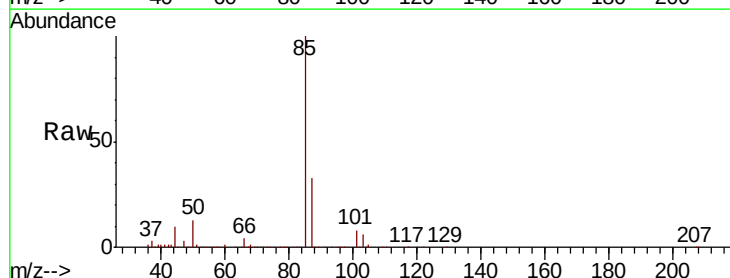
Acq: 16 Apr 2019 12:45

Tgt Ion: 85 Resp: 439293

Ion Ratio Lower Upper

85 100

87 32.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

150000

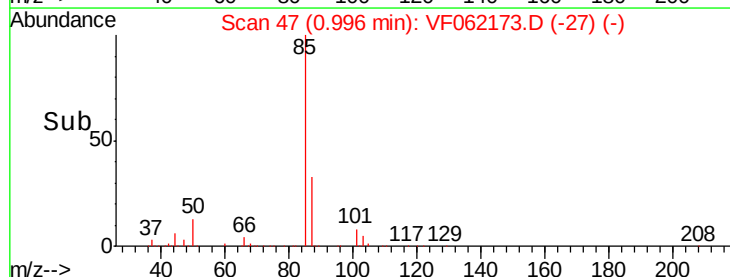
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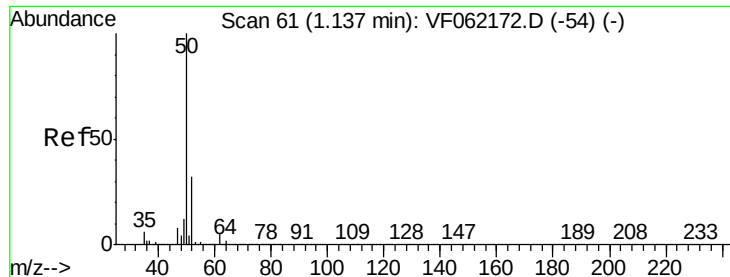
50000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 73.419 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

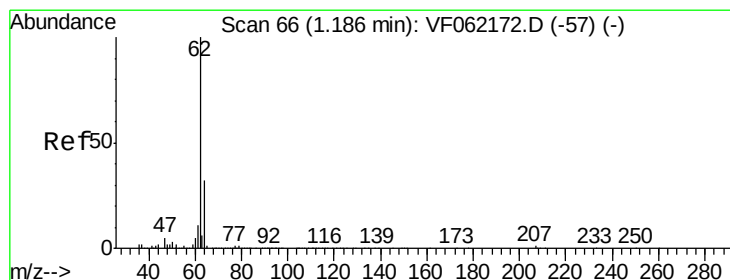
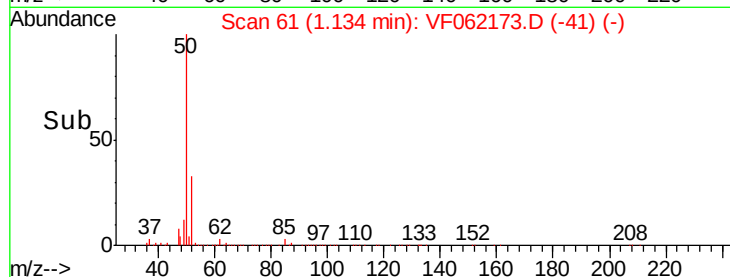
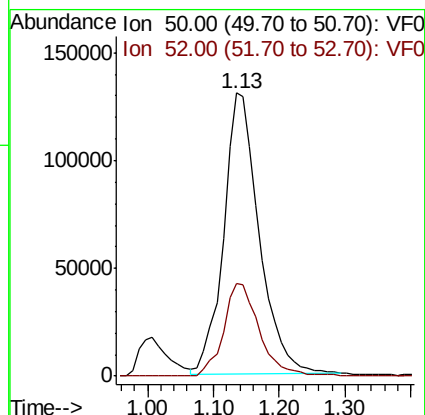
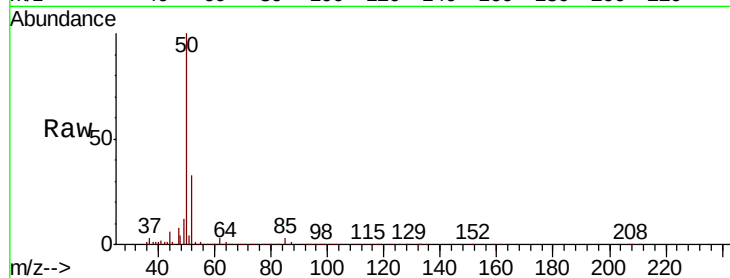
VSTDIC075

Tot Ion: 50 Resp: 491575

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2



#4

Vinyl Chloride

Concen: 73.226 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062173.D

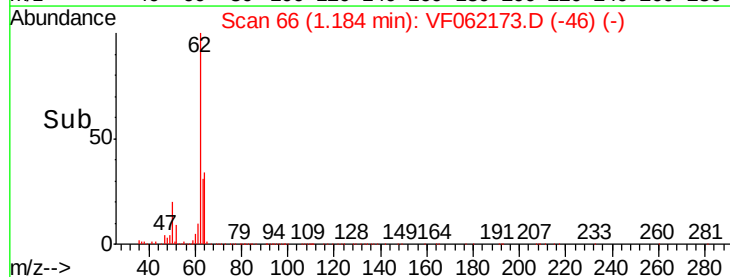
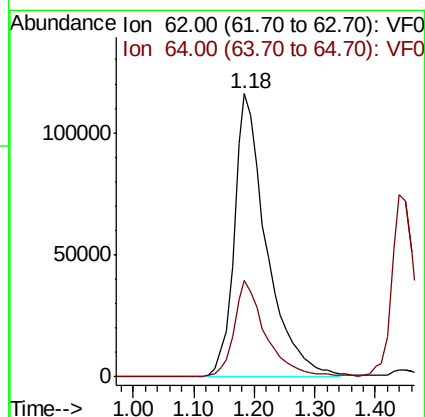
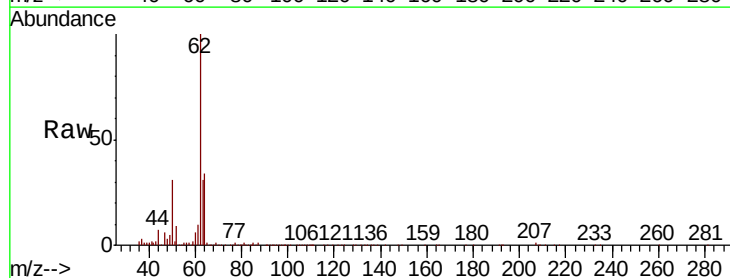
Acq: 16 Apr 2019 12:45

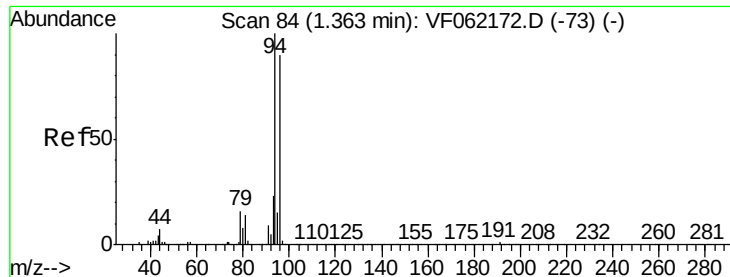
Tgt Ion: 62 Resp: 429246

Ion Ratio Lower Upper

62 100

64 34.0 25.4 38.0





#5

Bromomethane

Concen: 73.964 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

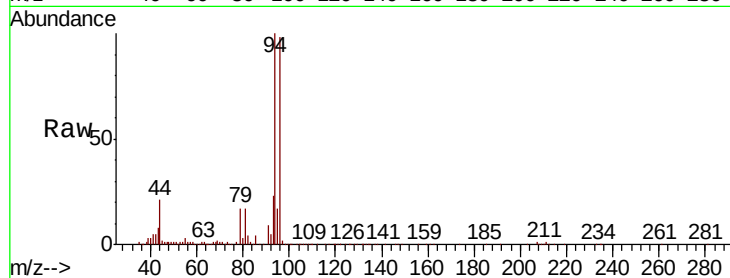
VSTDIC075

Tot Ion: 94 Resp: 278280

Ion Ratio Lower Upper

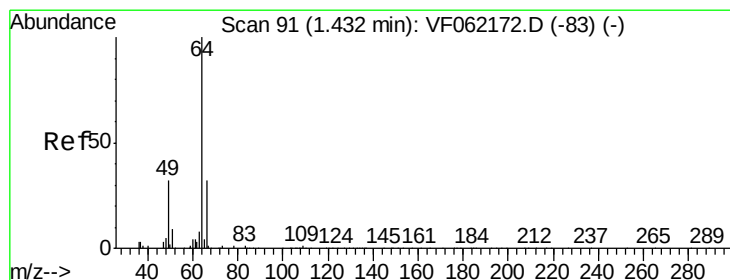
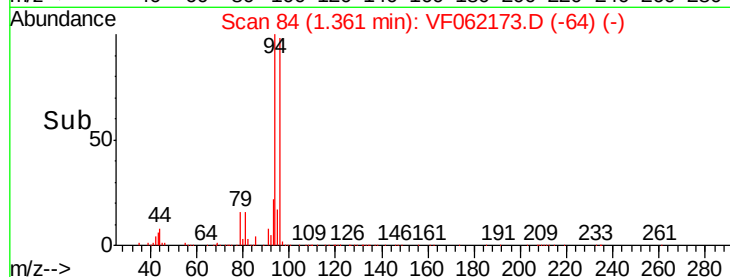
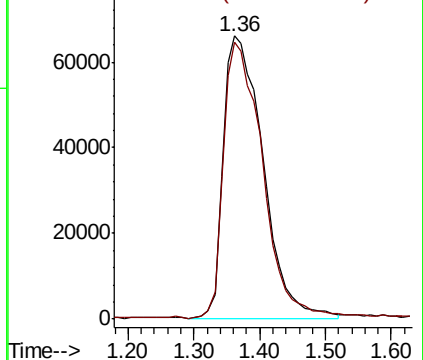
94 100

96 97.7 72.3 108.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 73.073 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062173.D

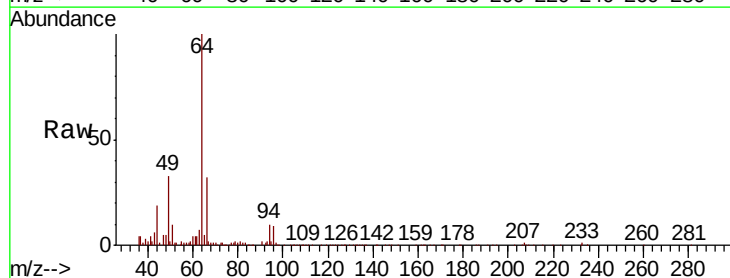
Acq: 16 Apr 2019 12:45

Tgt Ion: 64 Resp: 202661

Ion Ratio Lower Upper

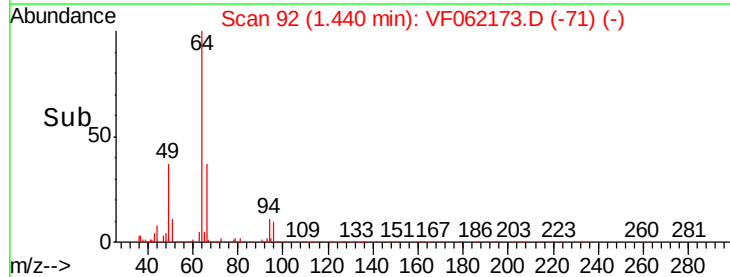
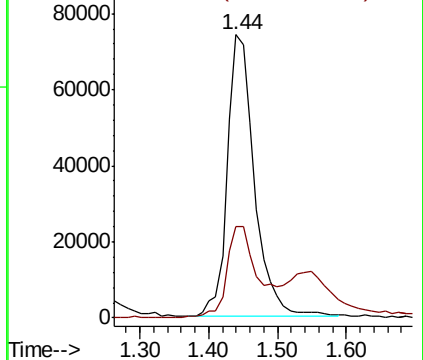
64 100

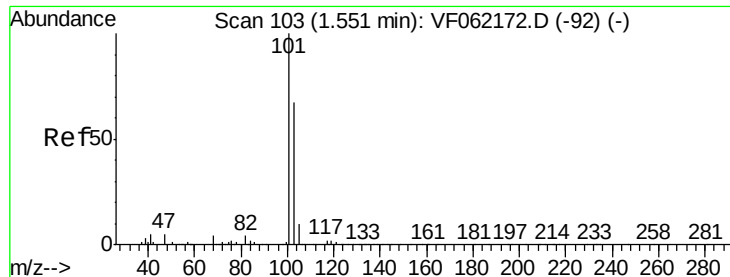
66 32.1 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



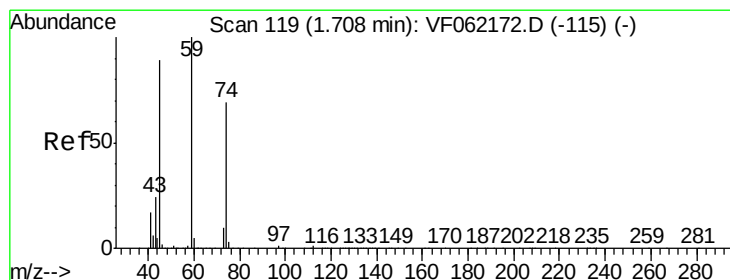
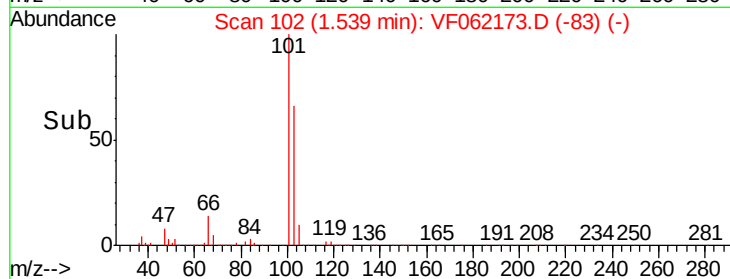
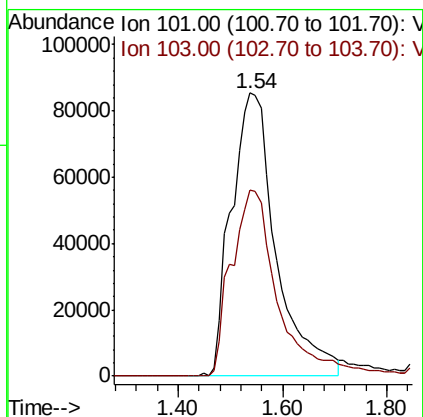
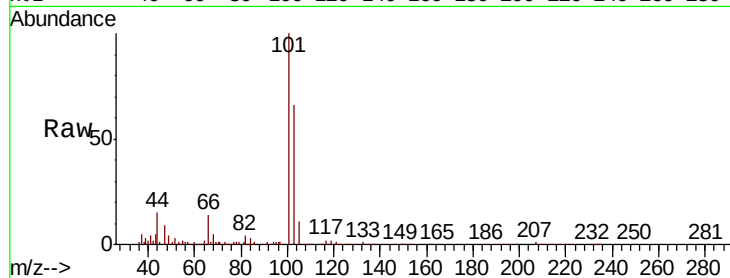


#7

Trichlorofluoromethane
Concen: 71.481 ug/l
RT: 1.54 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

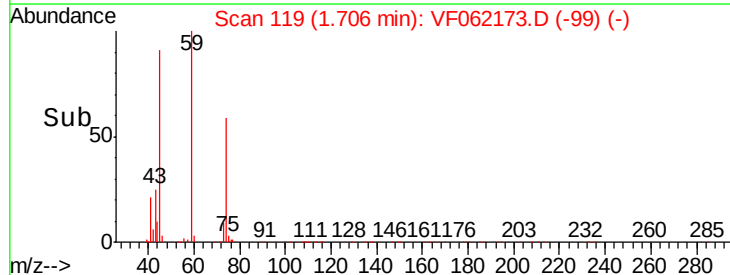
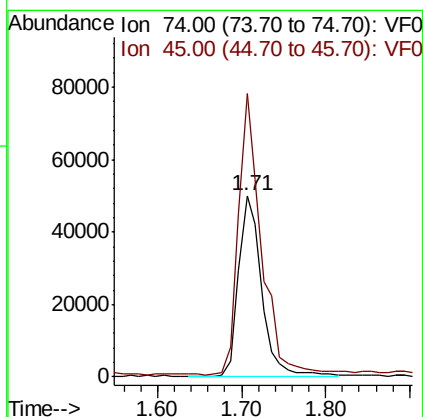
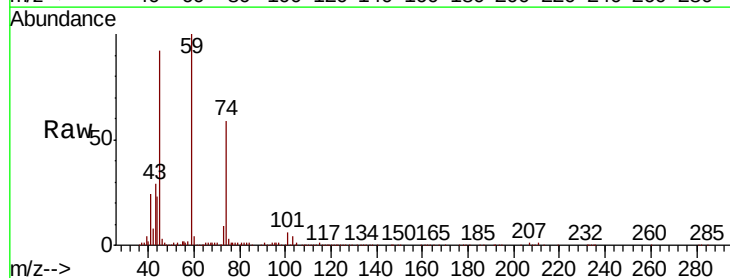
Tot Ion:101 Resp: 499704
Ion Ratio Lower Upper
101 100
103 65.7 53.7 80.5

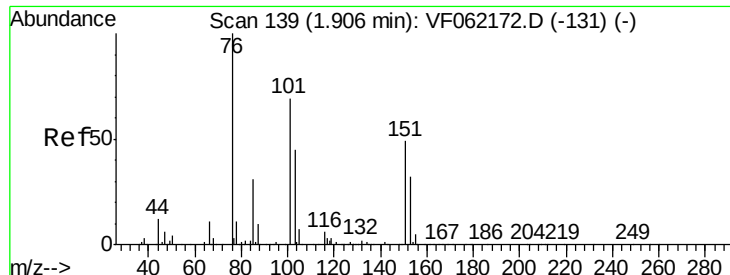


#8

Diethyl Ether
Concen: 68.559 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion: 74 Resp: 96690
Ion Ratio Lower Upper
74 100
45 156.3 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.252 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

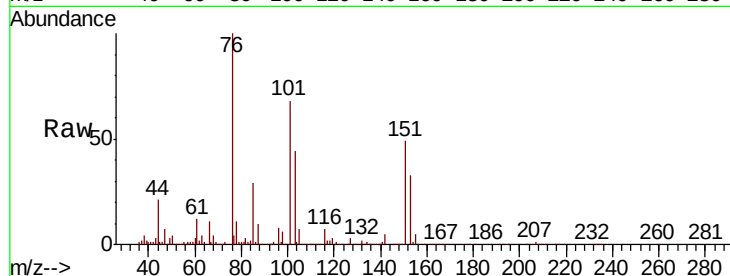
Tot Ion:101 Resp: 321462

Ion Ratio Lower Upper

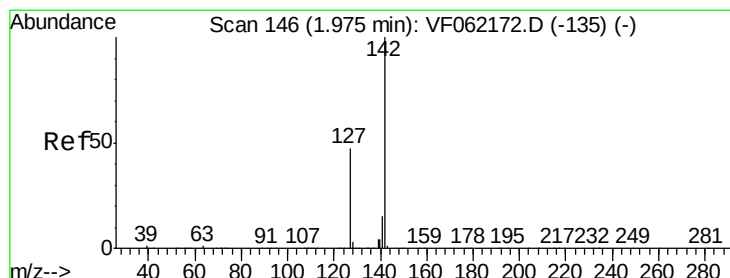
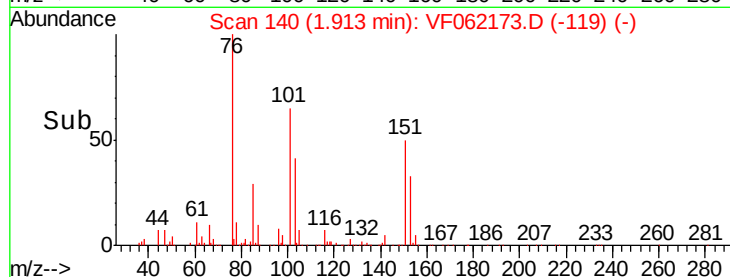
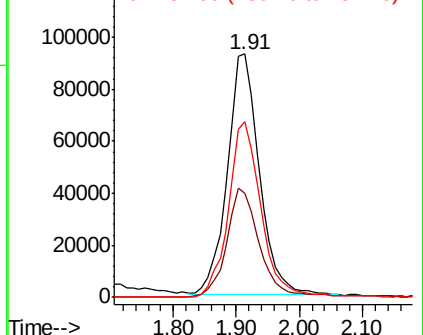
101 100

85 42.9 35.2 52.8

151 72.4 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 72.797 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

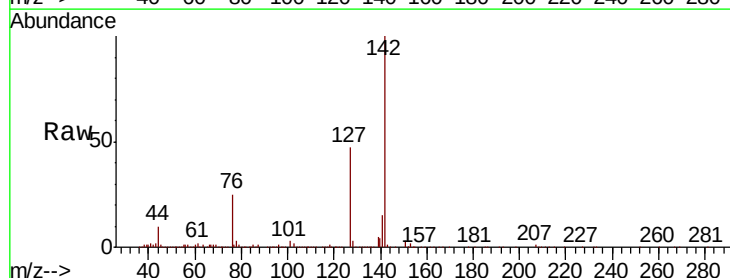
Tgt Ion:142 Resp: 620932

Ion Ratio Lower Upper

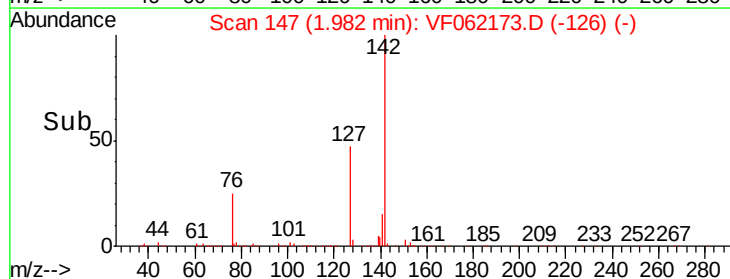
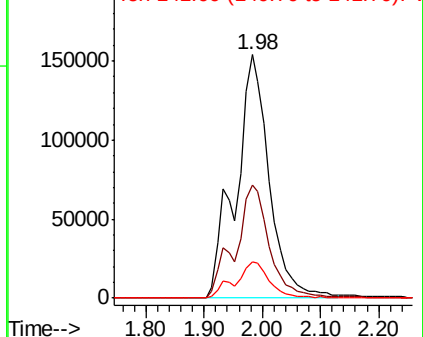
142 100

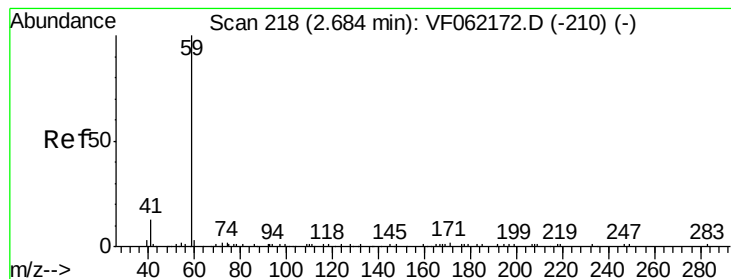
127 46.7 37.8 56.6

141 15.0 12.1 18.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



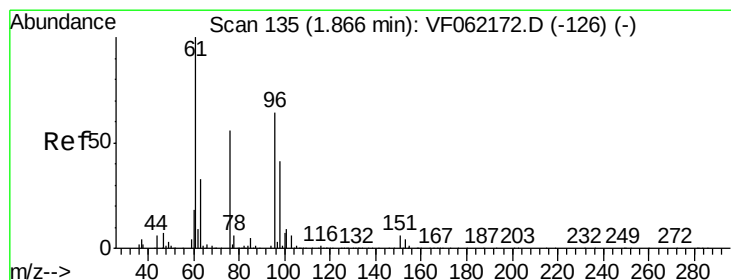
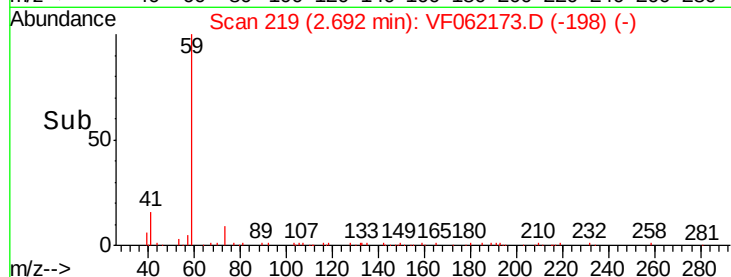
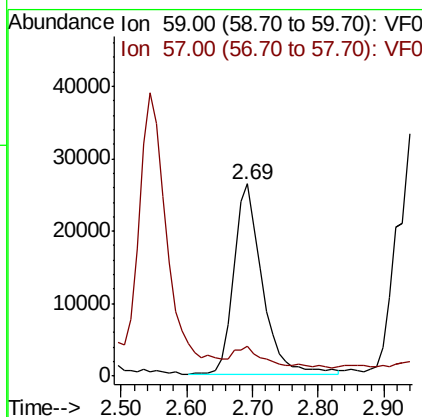
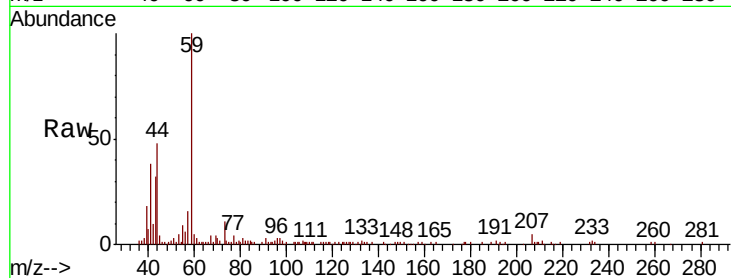


#11

Tert butyl alcohol
Concen: 382.165 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

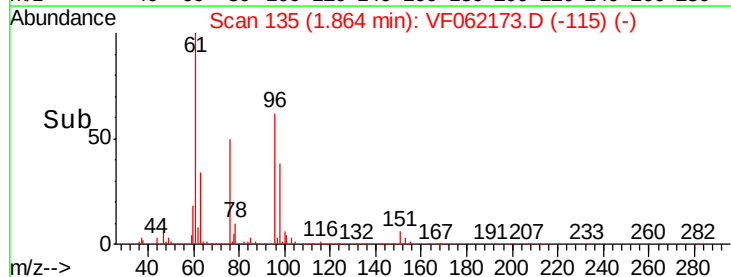
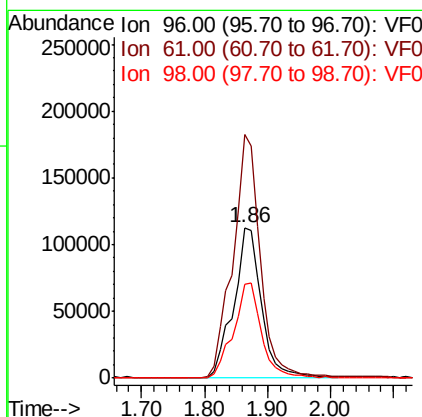
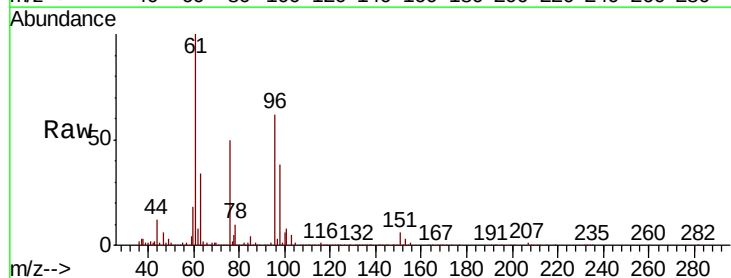
Tot Ion: 59 Resp: 80882
Ion Ratio Lower Upper
59 100
57 15.7 14.2 21.4

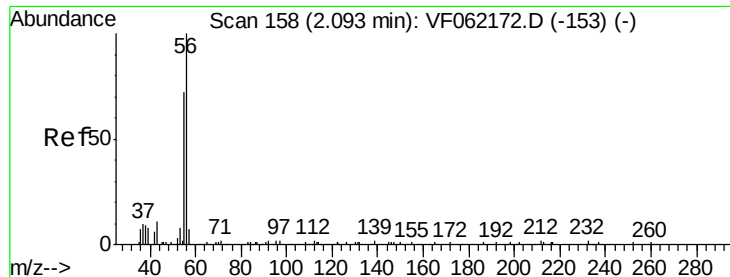


#12

1,1-Dichloroethene
Concen: 73.130 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion: 96 Resp: 340307
Ion Ratio Lower Upper
96 100
61 161.8 124.6 187.0
98 62.2 51.5 77.3





#13

Acrolein

Concen: 245.924 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

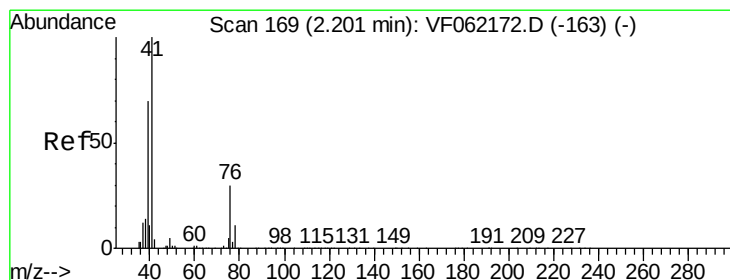
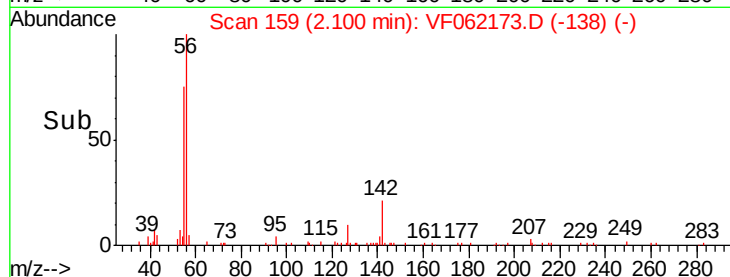
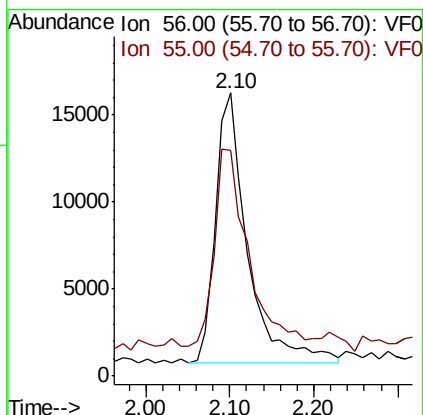
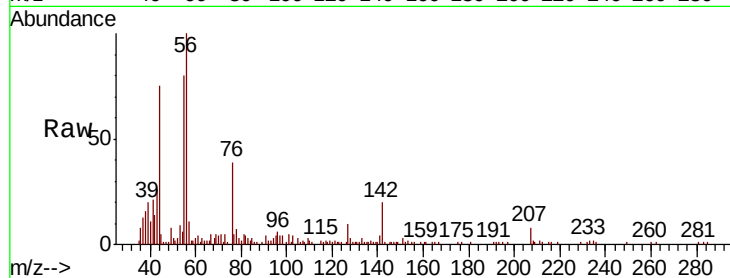
VSTDIC075

Tot Ion: 56 Resp: 40583

Ion Ratio Lower Upper

56 100

55 79.6 62.9 94.3



#14

Allyl chloride

Concen: 65.863 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

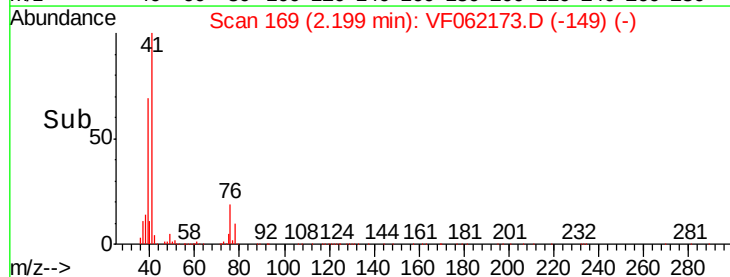
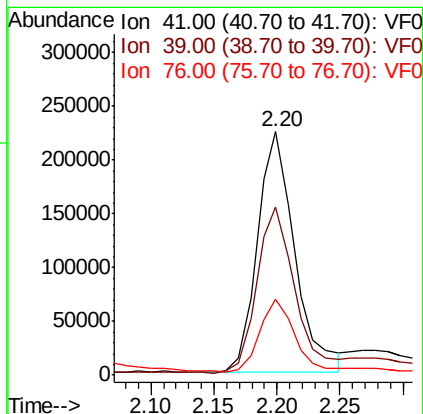
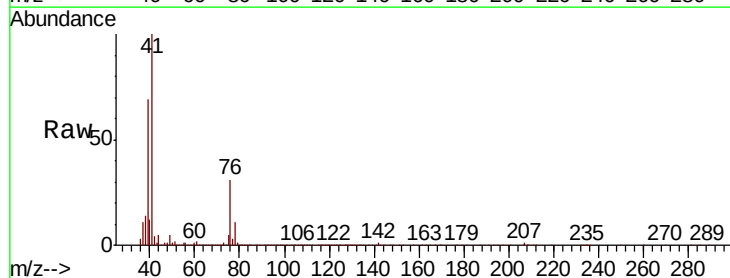
Tgt Ion: 41 Resp: 461508

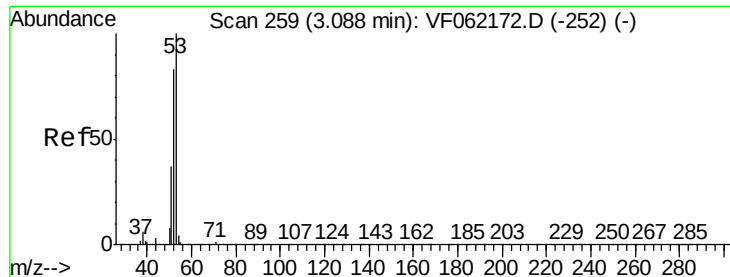
Ion Ratio Lower Upper

41 100

39 69.1 56.1 84.1

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 416.509 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

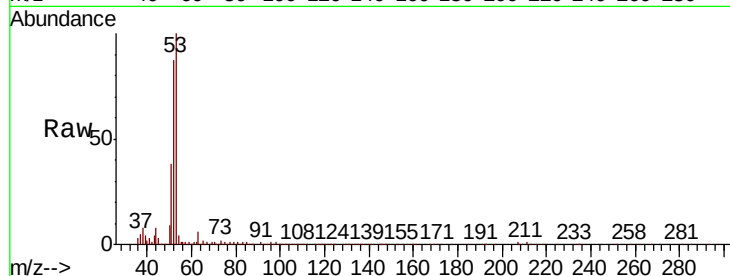
Tot Ion: 53 Resp: 324582

Ion Ratio Lower Upper

53 100

52 87.1 66.6 99.8

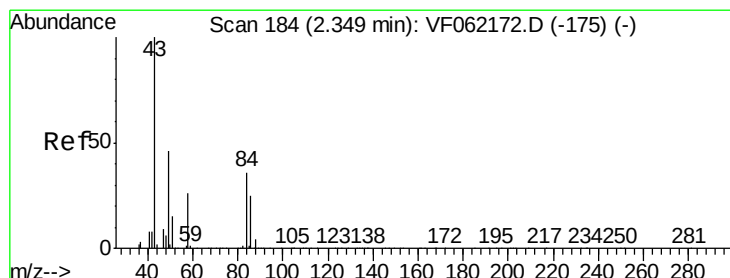
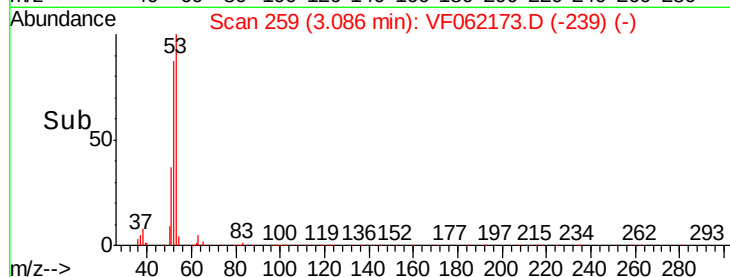
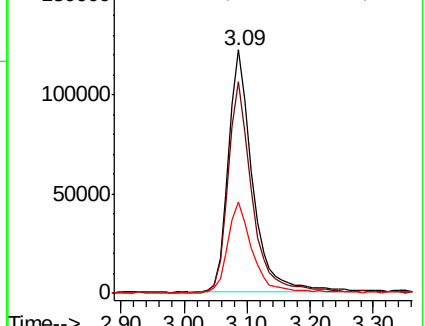
51 37.5 30.1 45.1



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: 369.698 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062173.D

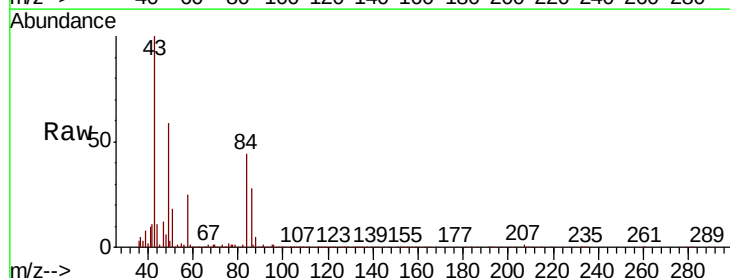
Acq: 16 Apr 2019 12:45

Tgt Ion: 43 Resp: 318256

Ion Ratio Lower Upper

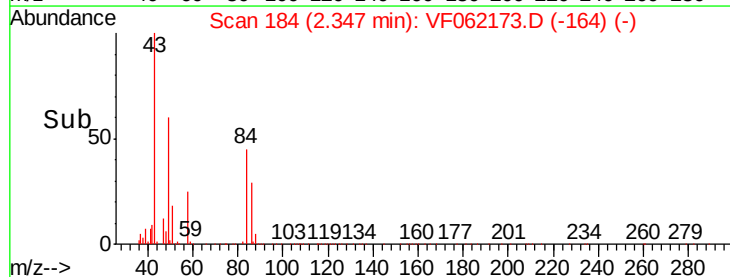
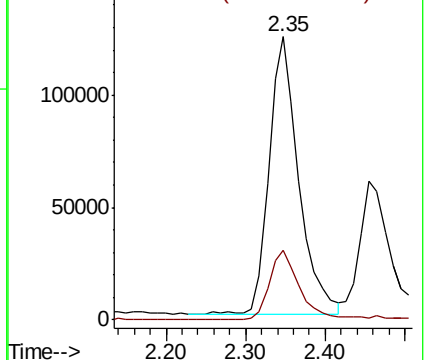
43 100

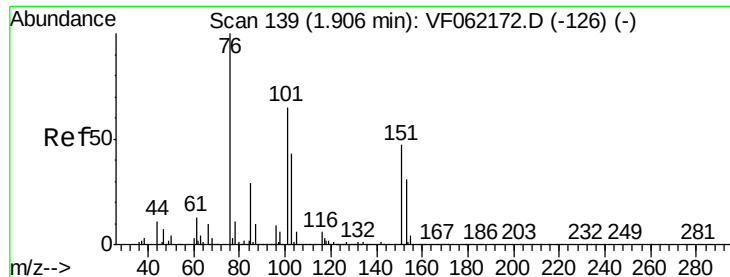
58 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 74.531 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

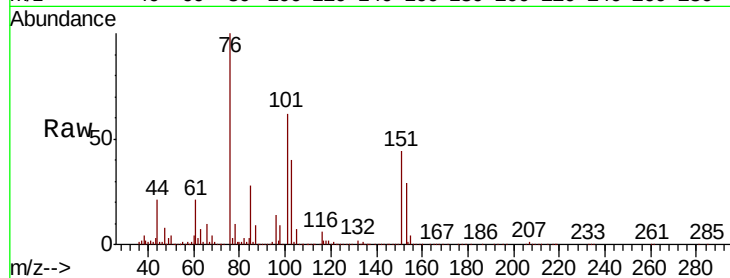
VSTDIC075

Tot Ion: 76 Resp: 986366

Ion Ratio Lower Upper

76 100

78 10.3 9.1 13.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150000

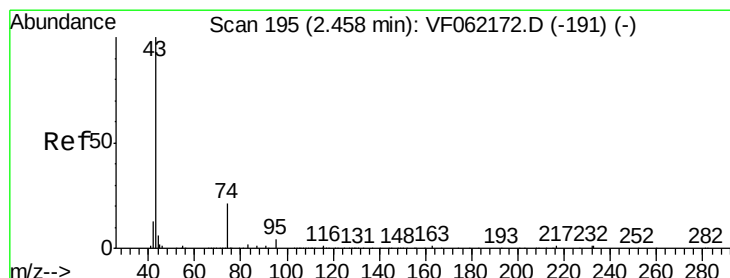
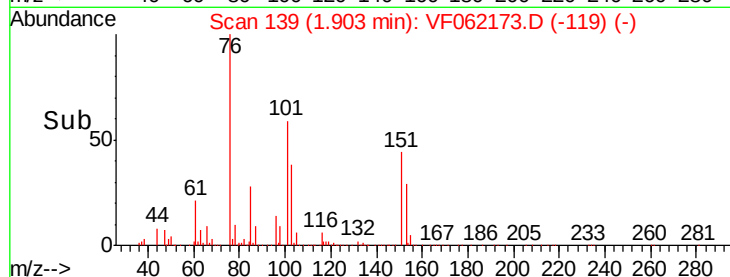
100000

50000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#18

Methyl Acetate

Concen: 64.295 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062173.D

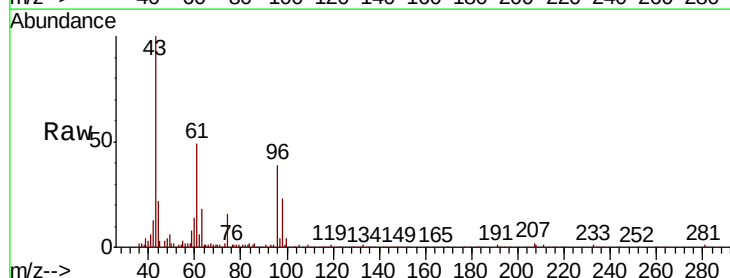
Acq: 16 Apr 2019 12:45

Tgt Ion: 43 Resp: 131318

Ion Ratio Lower Upper

43 100

74 16.4 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

60000

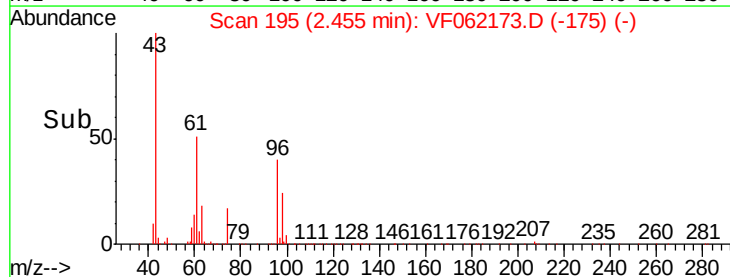
40000

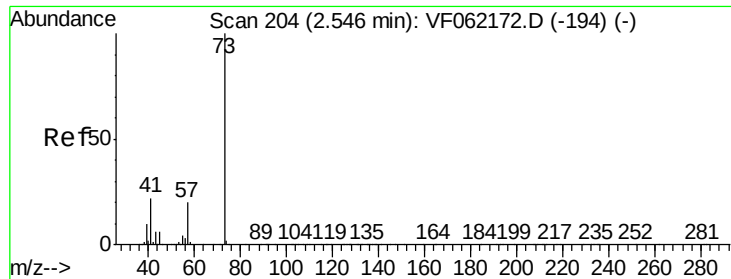
20000

0

2.40 2.45 2.50

Time-->



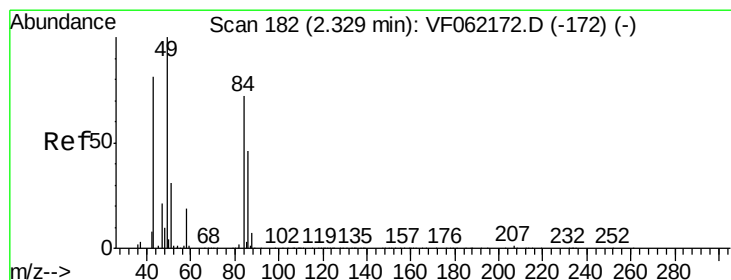
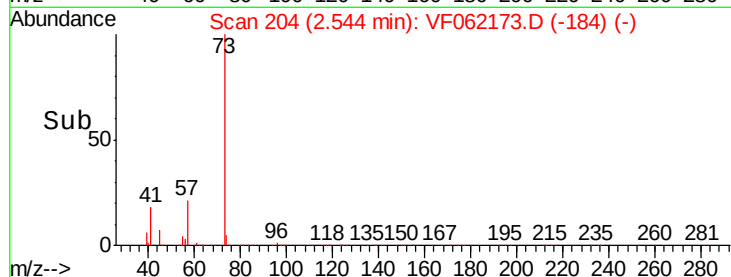
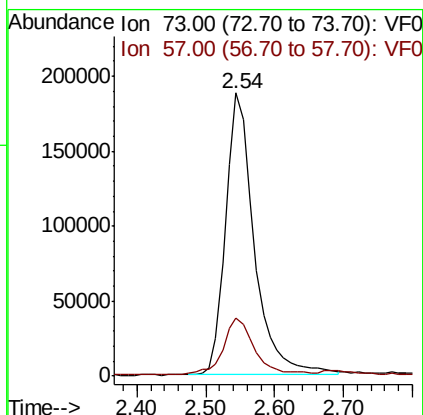
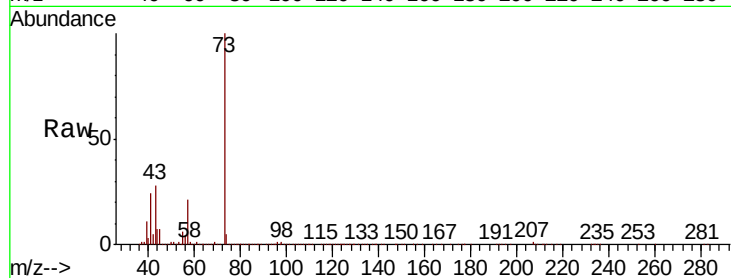


#19

Methyl tert-butyl Ether
 Concen: 70.419 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

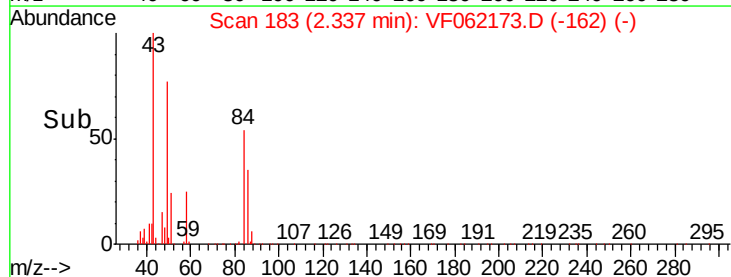
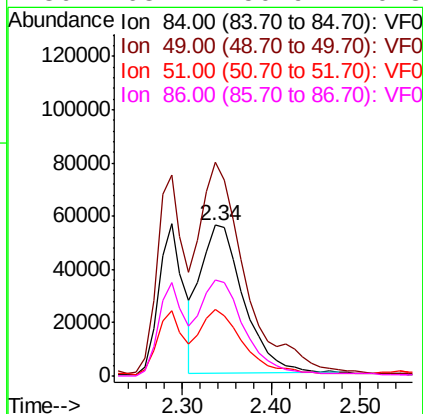
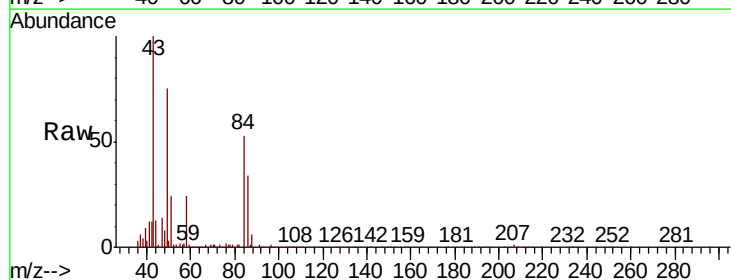
Tot Ion: 73 Resp: 545079
 Ion Ratio Lower Upper
 73 100
 57 20.7 16.8 25.2

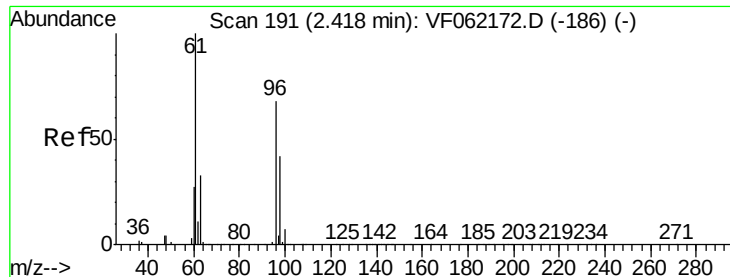


#20

Methylene Chloride
 Concen: 38.077 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion: 84 Resp: 187811
 Ion Ratio Lower Upper
 84 100
 49 141.6 111.5 167.3
 51 44.6 34.9 52.3
 86 63.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 69.666 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

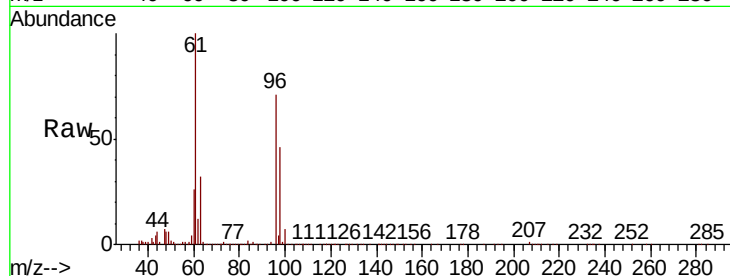
Tot Ion: 96 Resp: 310182

Ion Ratio Lower Upper

96 100

61 139.9 117.4 176.2

98 64.1 49.8 74.8



Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

250000

200000

150000

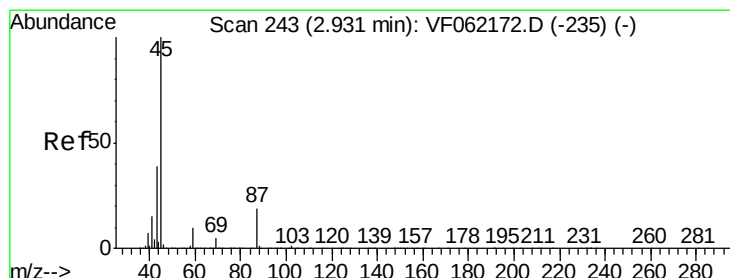
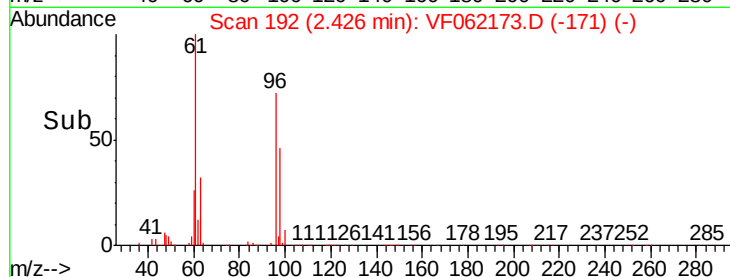
100000

50000

0

2.30 2.40 2.50 2.60

Time-->



#22

Diisopropyl ether

Concen: 69.228 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Tgt Ion: 45 Resp: 901677

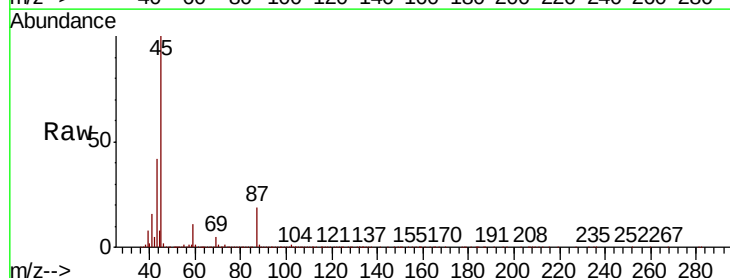
Ion Ratio Lower Upper

45 100

43 41.6 32.5 48.7

87 19.1 14.9 22.3

59 11.4 7.8 11.8



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

400000

300000

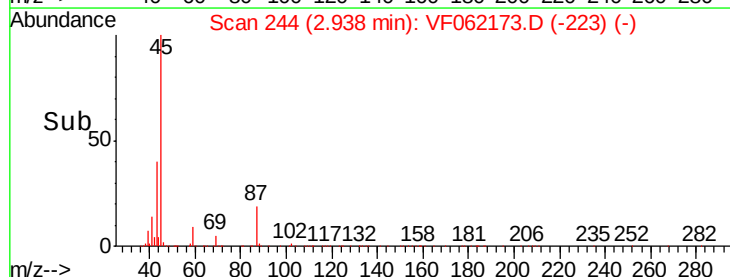
200000

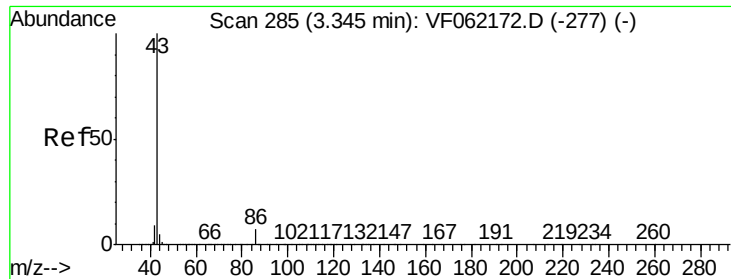
100000

0

2.80 2.90 3.00 3.10

Time-->

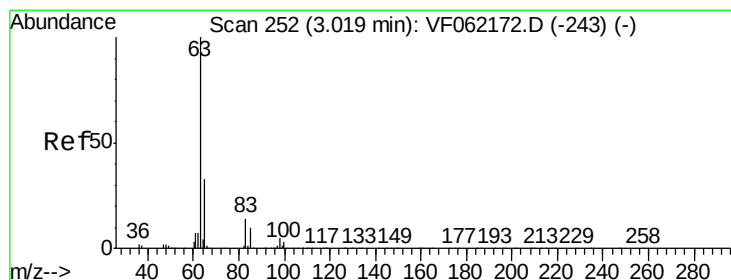
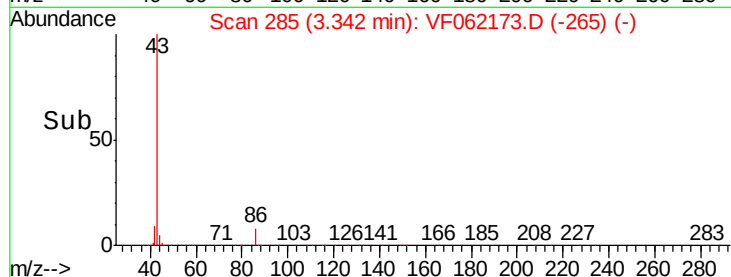
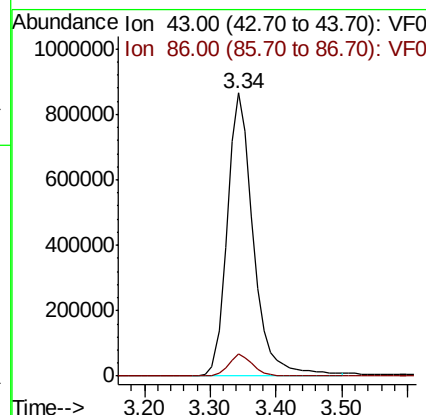
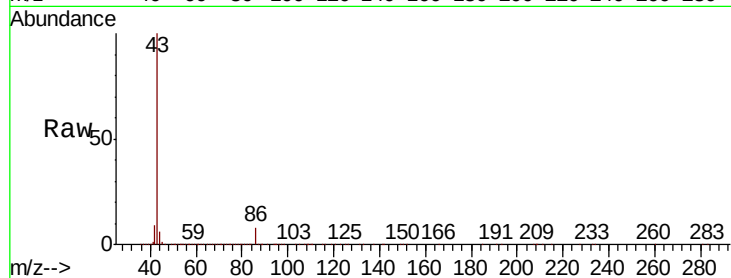




#23
 Vinyl Acetate
 Concen: 367.613 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

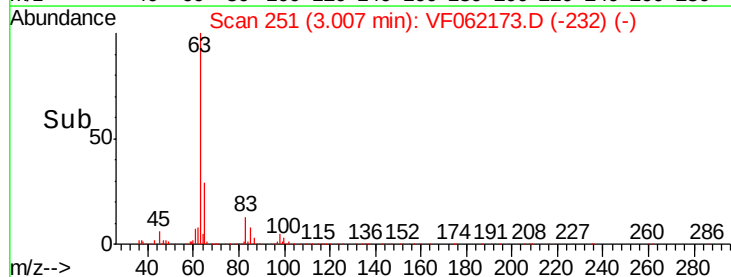
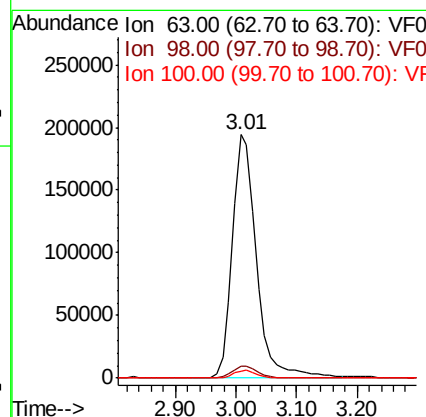
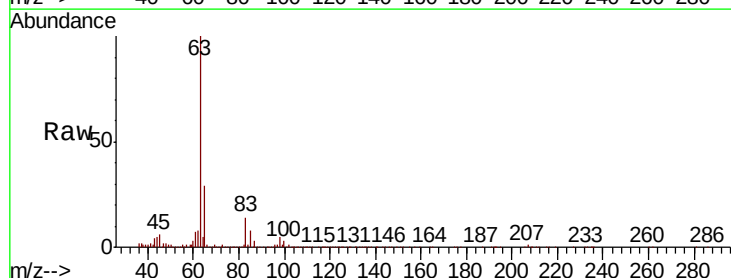
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

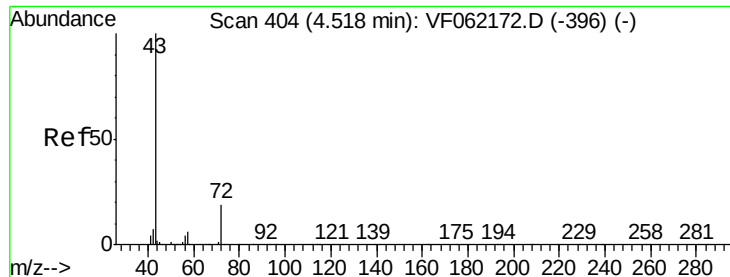
Tot Ion: 43 Resp: 2388390
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.9 8.9



#24
 1,1-Dichloroethane
 Concen: 74.077 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion: 63 Resp: 537288
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.6 8.0
 100 3.0 1.7 5.1





#25

2-Butanone

Concen: 369.222 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

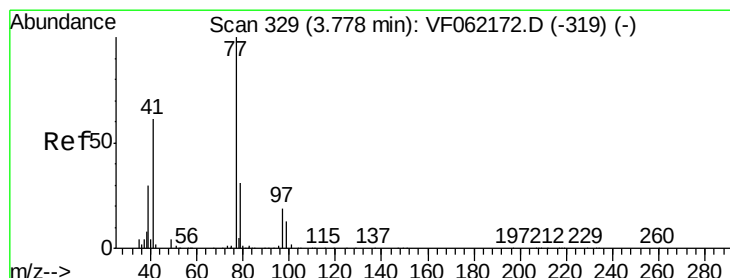
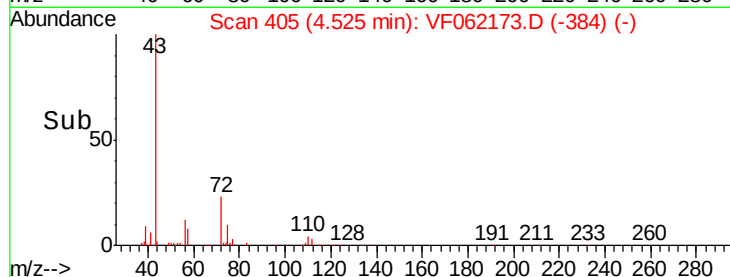
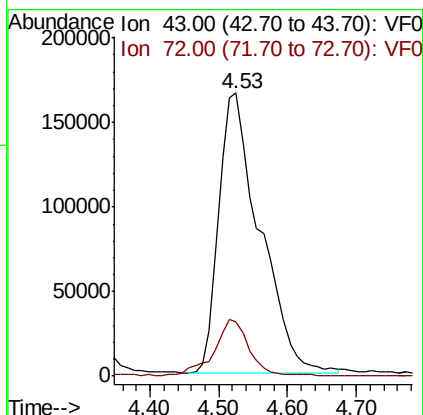
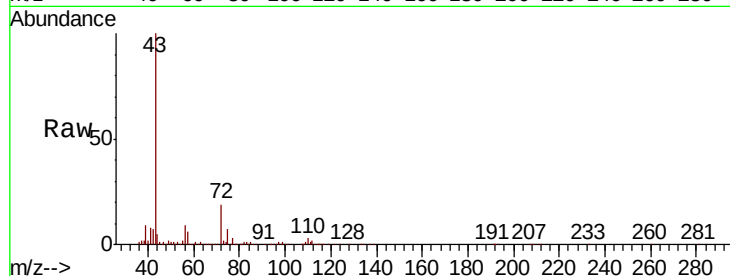
VSTDIC075

Tot Ion: 43 Resp: 682989

Ion Ratio Lower Upper

43 100

72 19.1 15.4 23.2



#26

2,2-Dichloropropane

Concen: 70.936 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062173.D

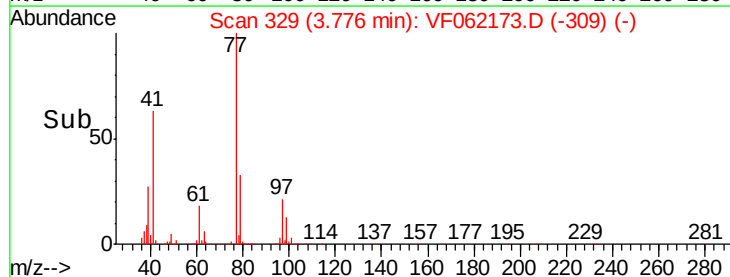
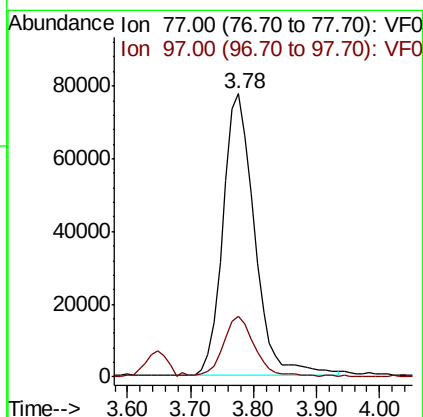
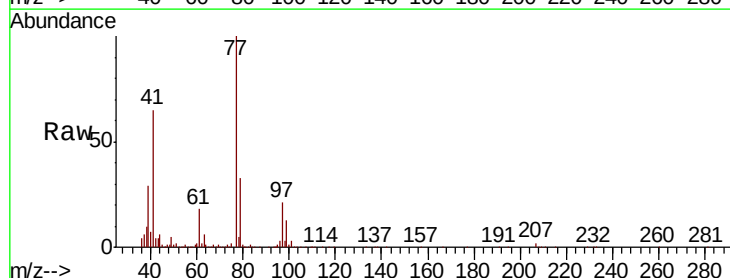
Acq: 16 Apr 2019 12:45

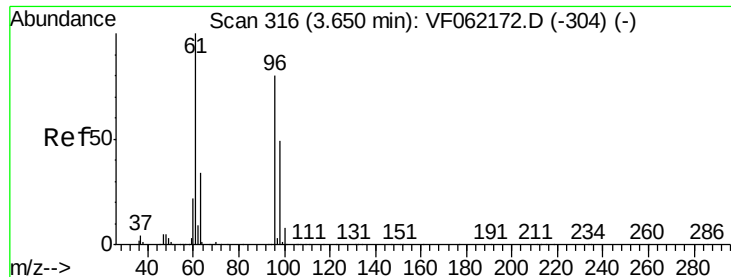
Tgt Ion: 77 Resp: 270622

Ion Ratio Lower Upper

77 100

97 21.4 10.3 30.9



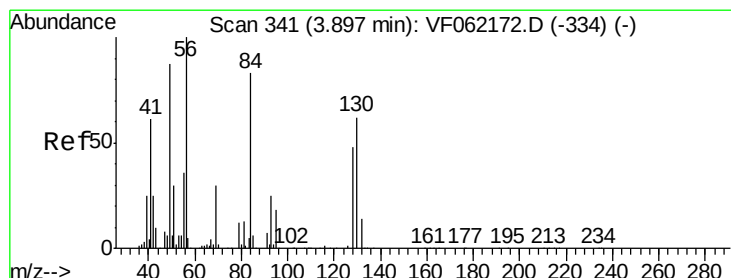
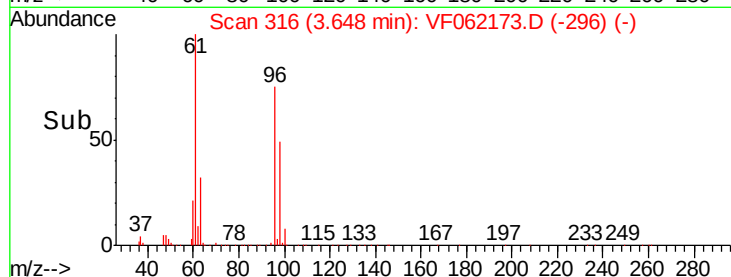
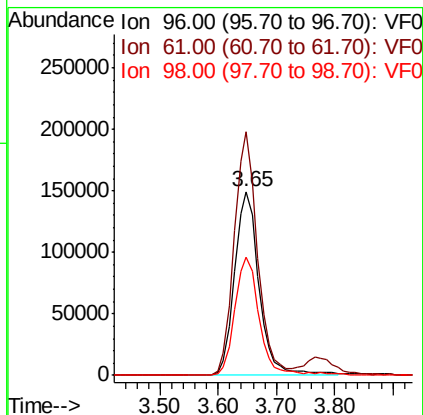
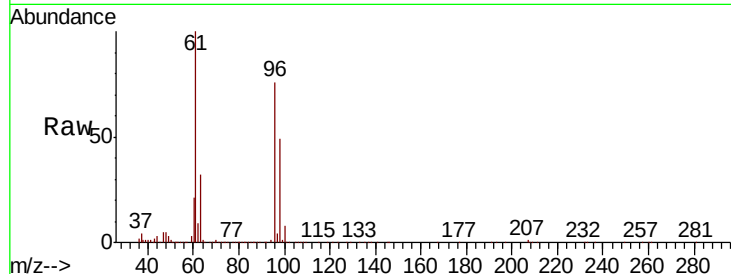


#27

cis-1,2-Dichloroethene
 Concen: 73.395 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

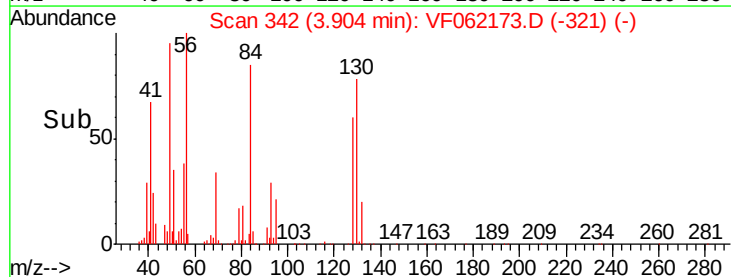
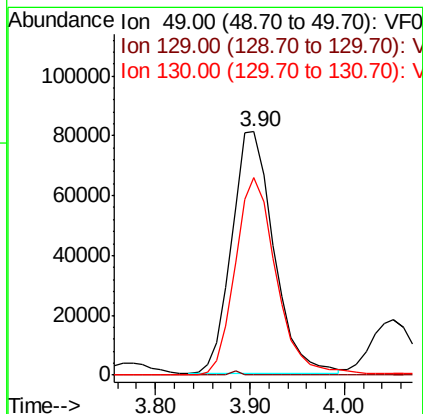
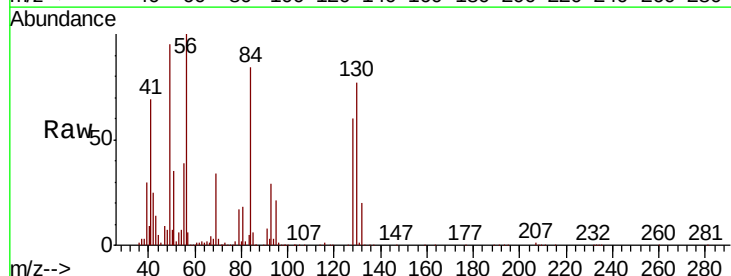
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	248.2
98	64.5	0.0	122.4

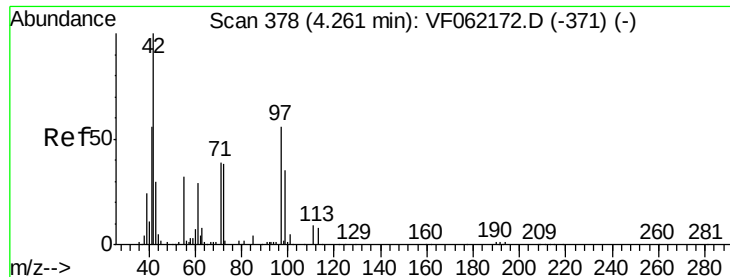


#28

Bromochloromethane
 Concen: 71.972 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	81.2	56.5	84.7





#29

Tetrahydrofuran

Concen: 354.290 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

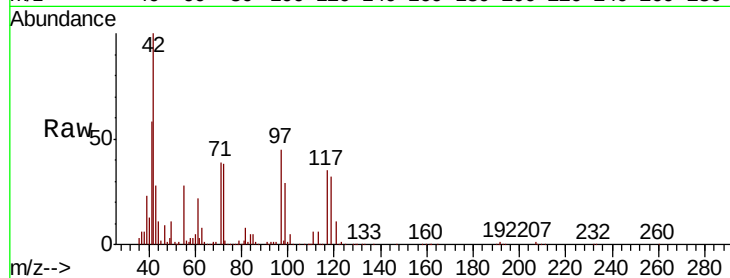
Tot Ion: 42 Resp: 291411

Ion Ratio Lower Upper

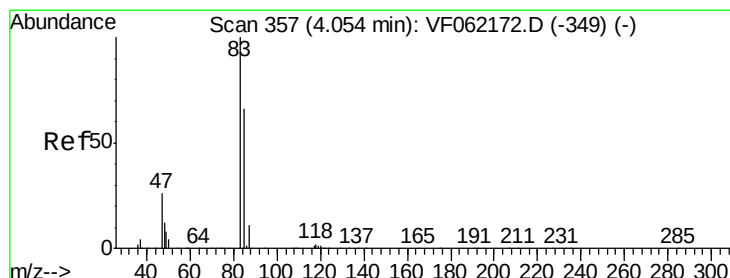
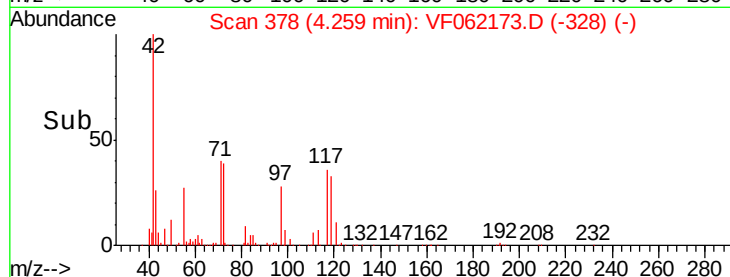
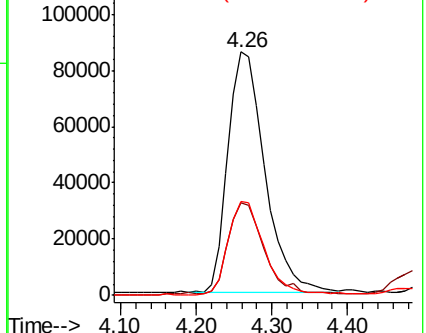
42 100

72 38.2 28.7 43.1

71 37.3 30.8 46.2



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: 72.765 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062173.D

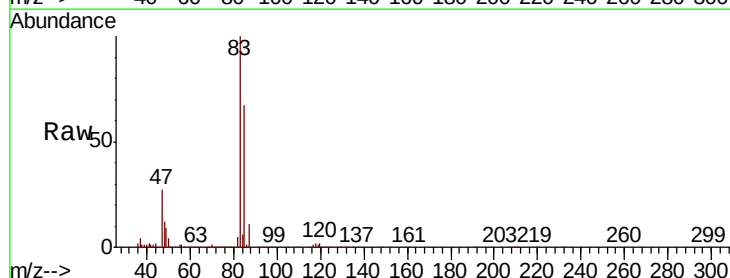
Acq: 16 Apr 2019 12:45

Tgt Ion: 83 Resp: 656153

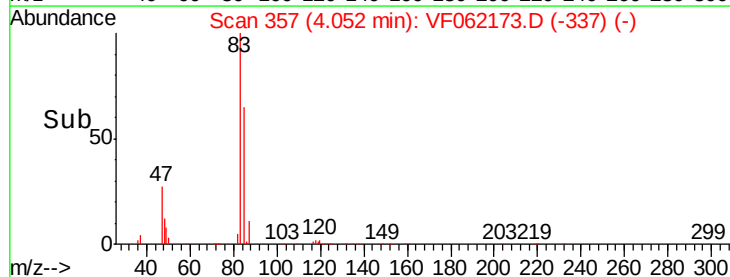
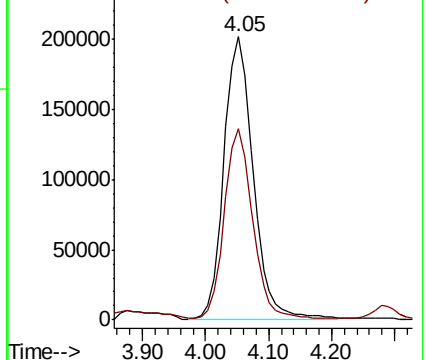
Ion Ratio Lower Upper

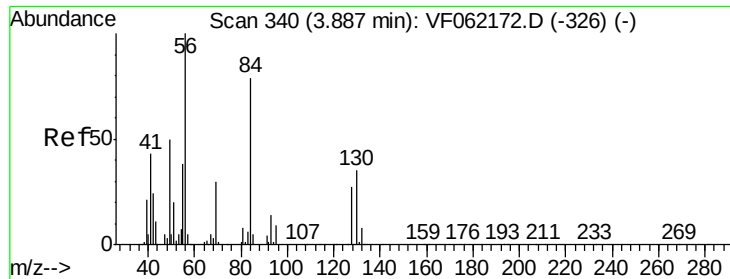
83 100

85 67.4 53.5 80.3



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

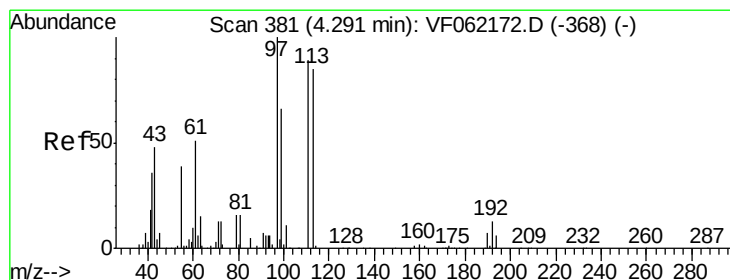
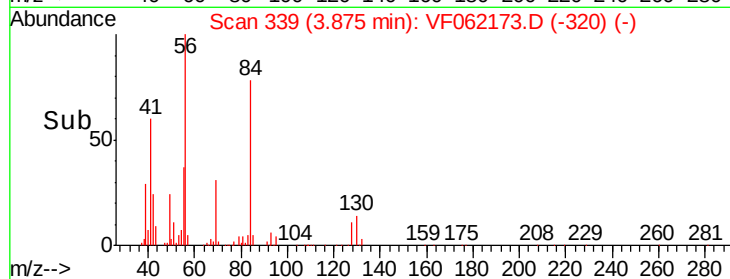
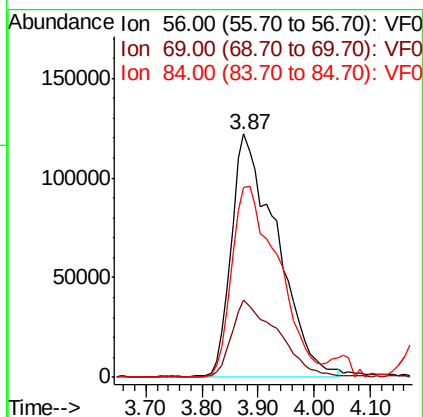
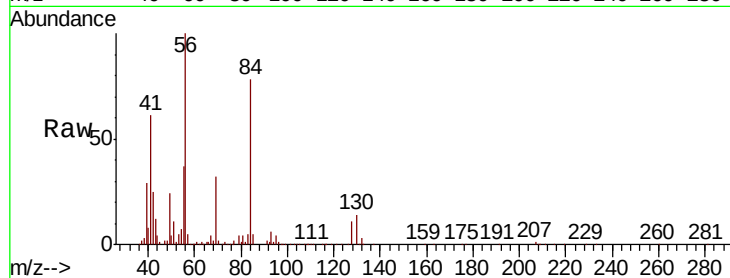




#31
Cyclohexane
Concen: 72.943 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

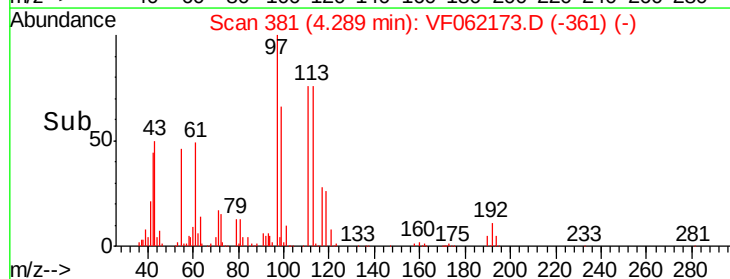
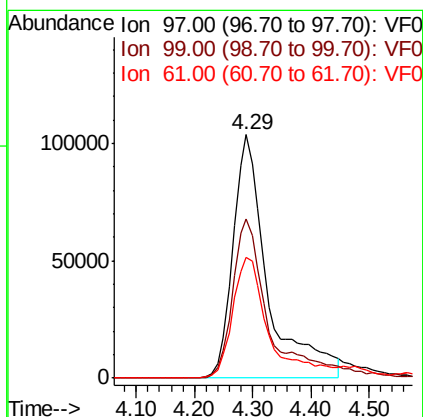
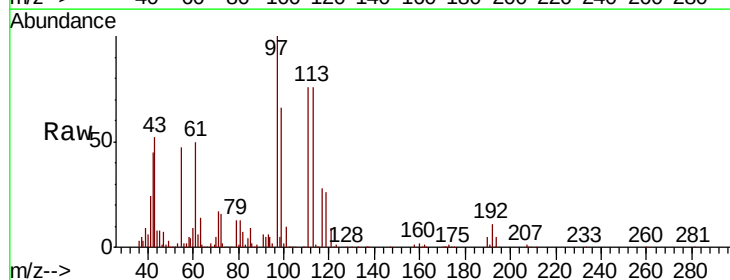
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

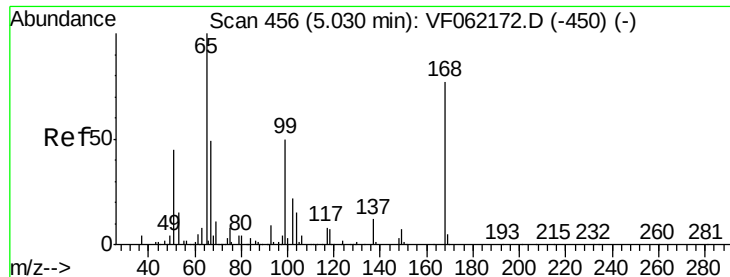
Tot Ion	56	Resp	682967
Ion Ratio	Lower	Upper	
56	100		
69	31.6	24.4	36.6
84	78.0	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 69.931 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion	97	Resp	430004
Ion Ratio	Lower	Upper	
97	100		
99	65.6	52.3	78.5
61	49.6	40.9	61.3

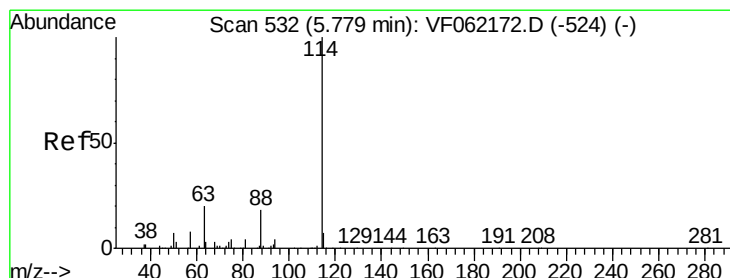
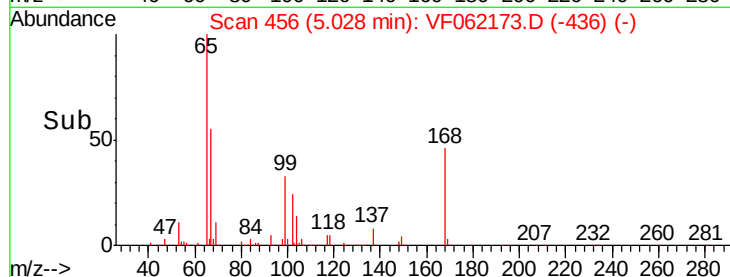
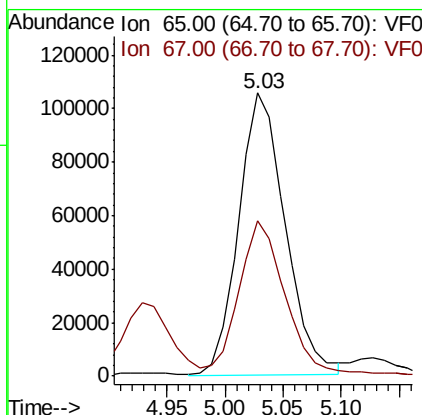
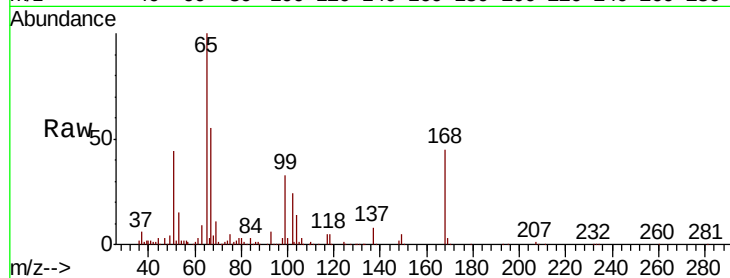




#33
 1,2-Dichloroethane-d4
 Concen: 76.513 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

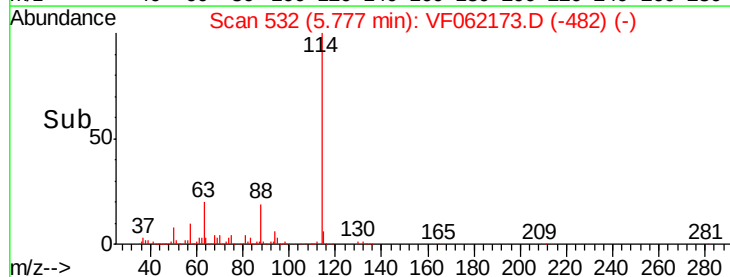
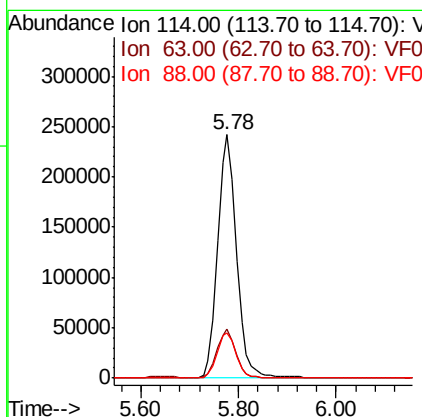
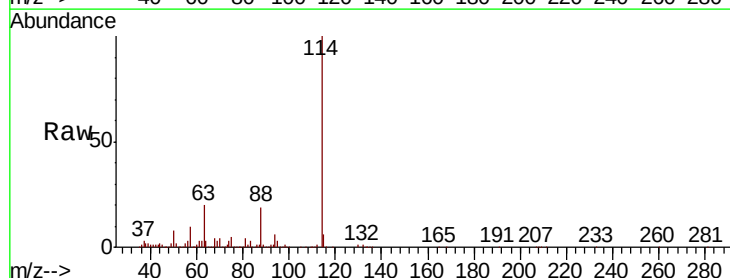
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

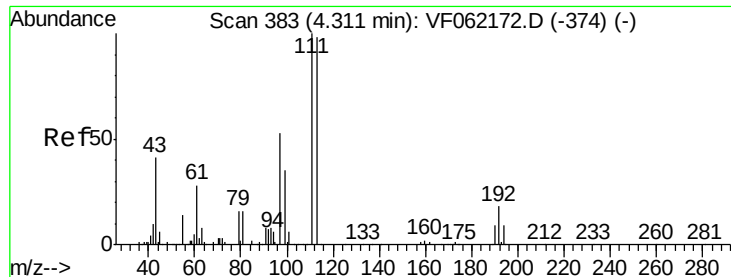
Tot Ion: 65 Resp: 292127
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion: 114 Resp: 654633
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 18.6 0.0 36.6

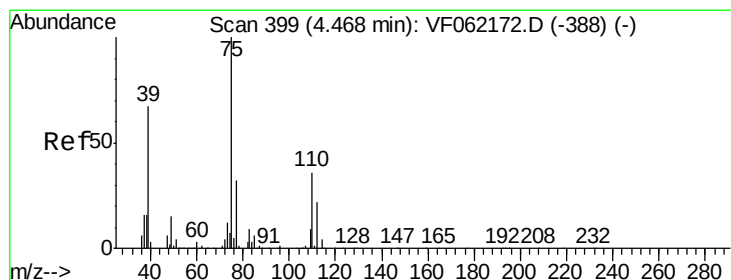
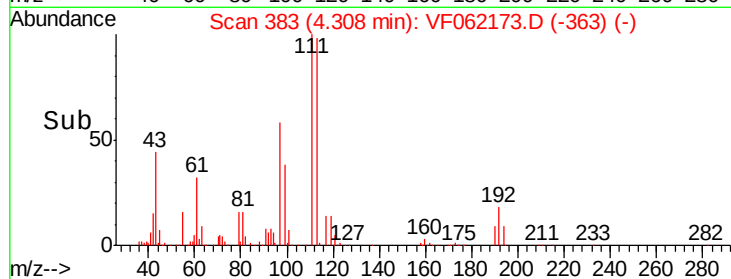
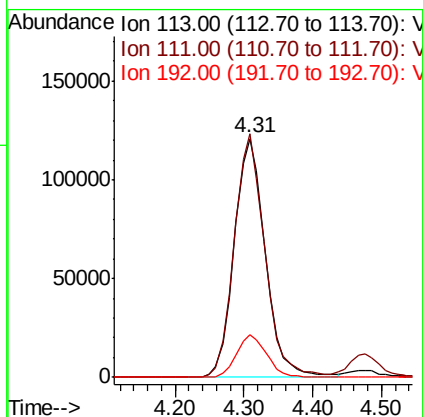
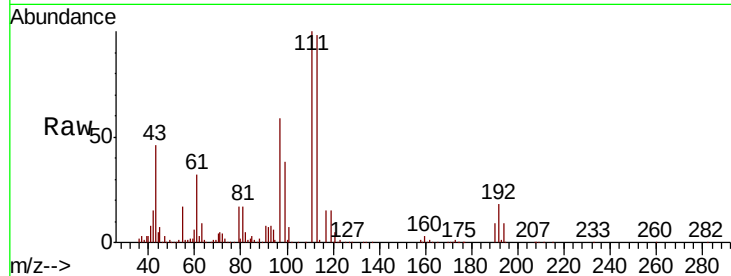




#35
 Dibromofluoromethane
 Concen: 73.219 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

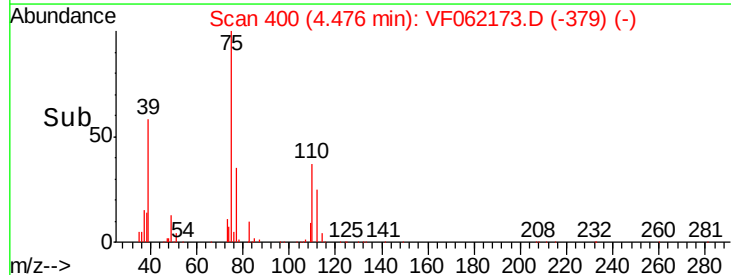
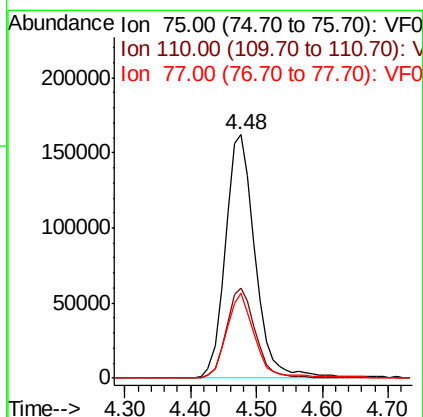
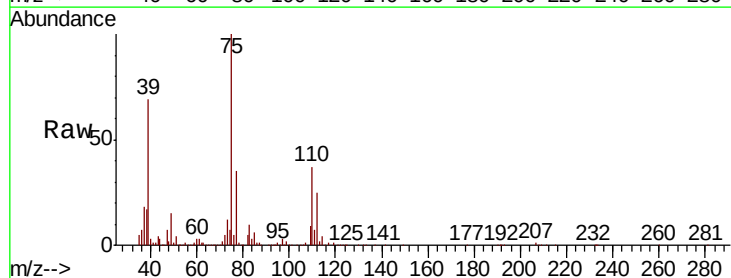
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

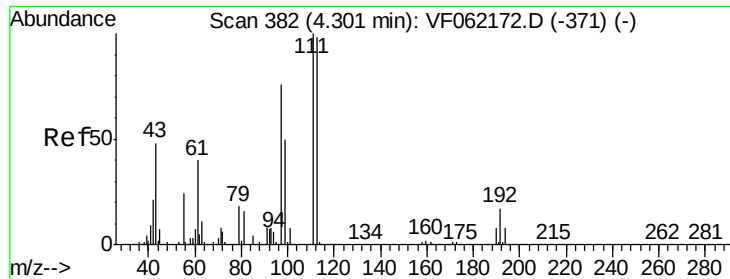
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	18.0	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 70.162 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.9	53.8
77	35.0	25.6	38.4

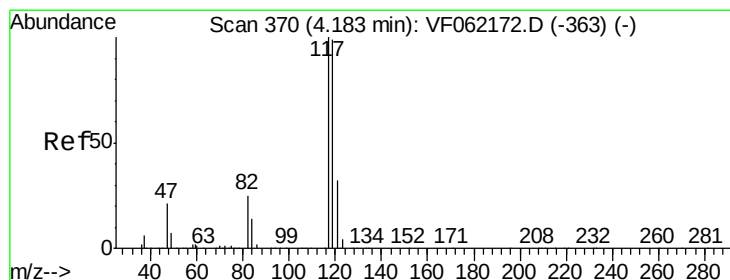
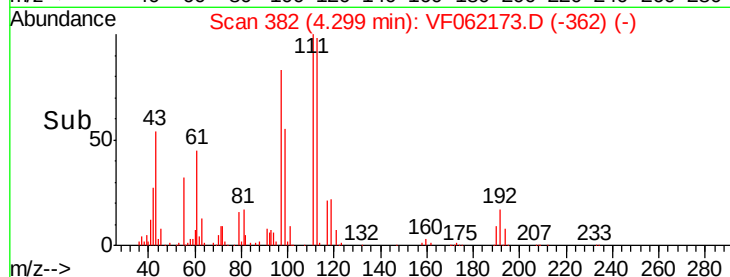
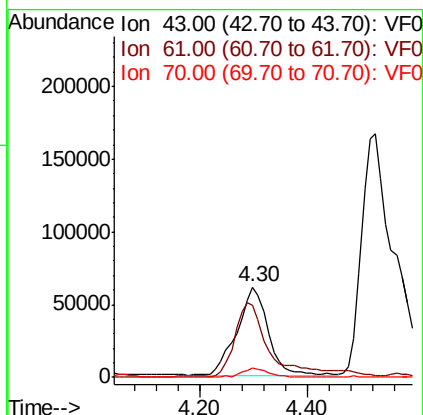
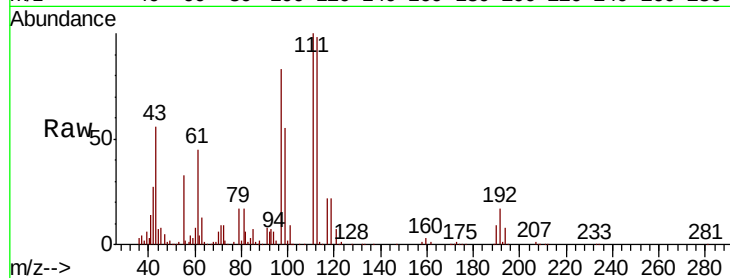




#37
Ethyl Acetate
Concen: 71.586 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

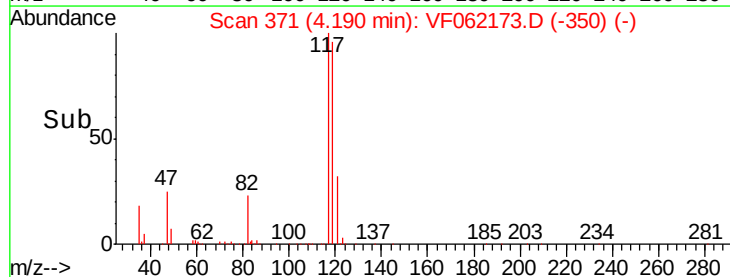
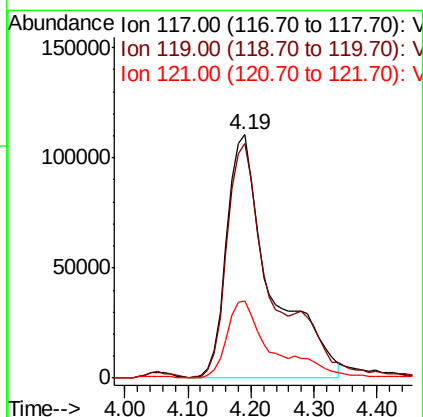
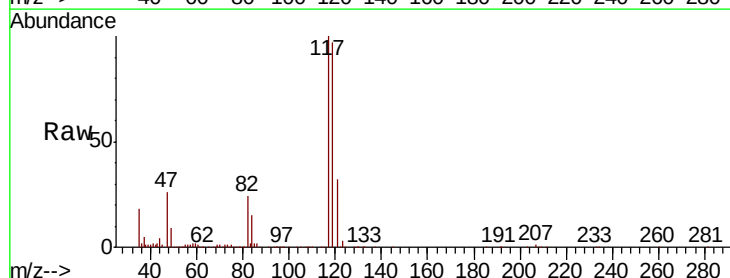
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

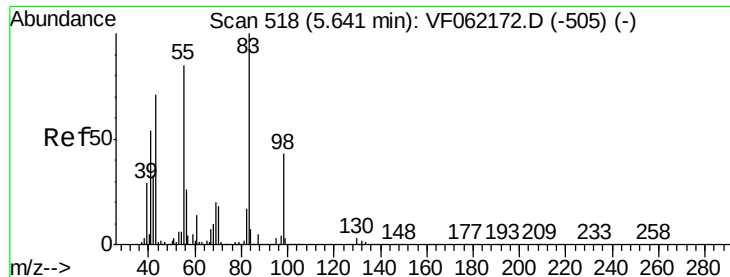
Tot Ion	Ratio	Lower	Upper
43	100		
61	80.5	64.9	97.3
70	10.2	7.8	11.8



#38
Carbon Tetrachloride
Concen: 84.219 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.9	118.3
121	31.7	25.3	37.9

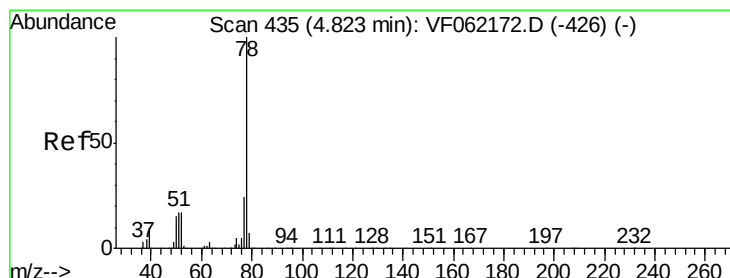
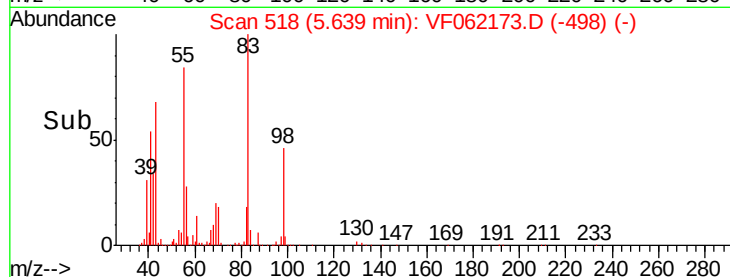
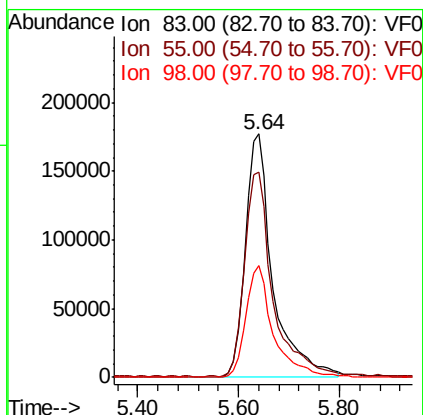
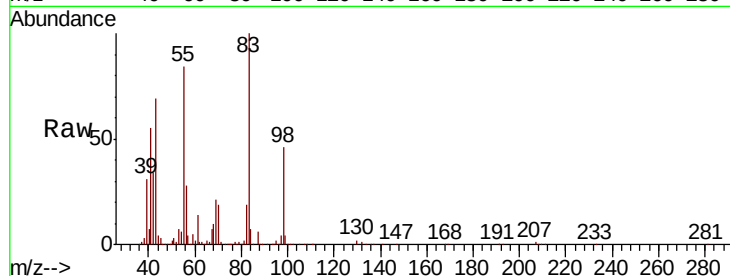




#39
Methylvlcyclohexane
Concen: 73.445 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

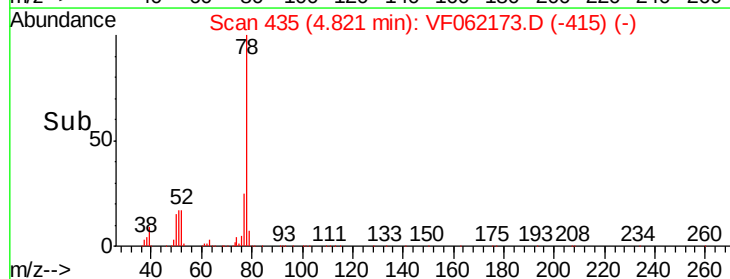
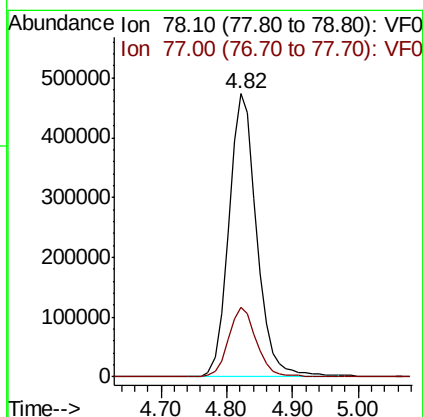
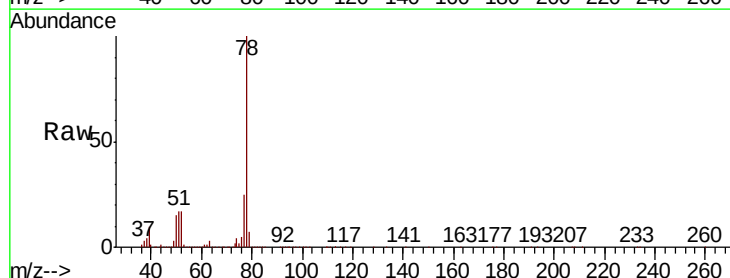
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

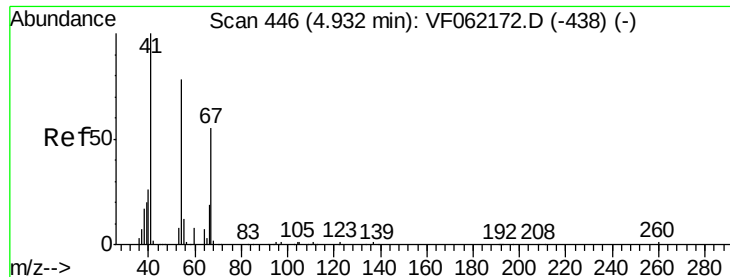
Tot Ion: 83 Resp: 669436
Ion Ratio Lower Upper
83 100
55 84.2 68.2 102.2
98 45.7 34.4 51.6



#40
Benzene
Concen: 73.172 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion: 78 Resp: 1405839
Ion Ratio Lower Upper
78 100
77 24.7 19.1 28.7





#41

Methacrylonitrile

Concen: 71.760 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 144506

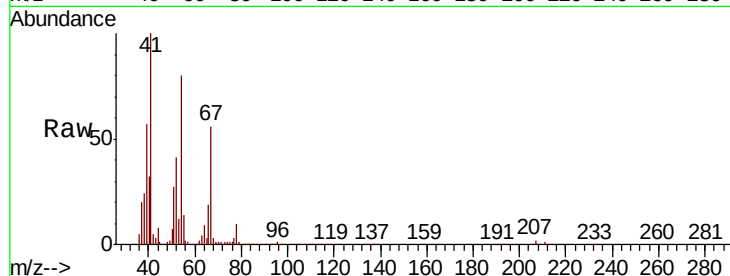
Ion Ratio Lower Upper

41 100

39 57.3 43.5 65.3

67 55.5 42.9 64.3

52 41.2 30.4 45.6

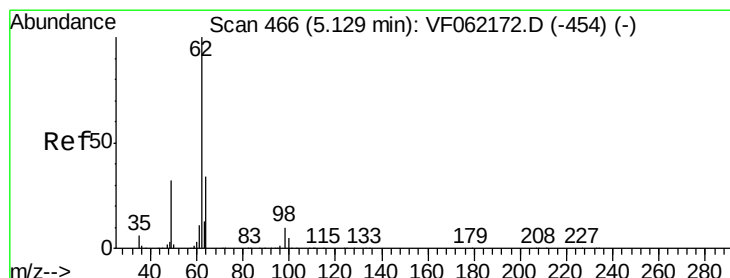
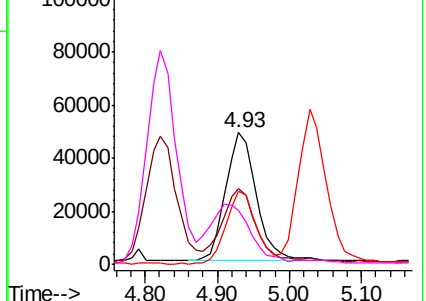
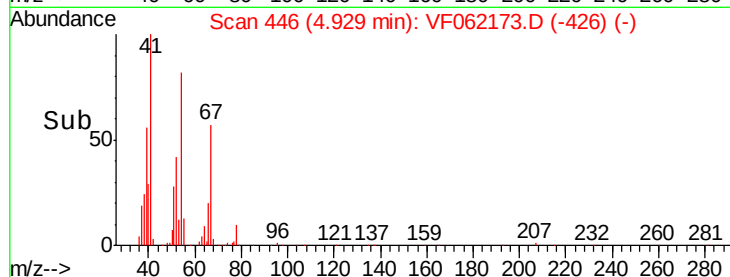


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 77.401 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.00 min

Lab File: VF062173.D

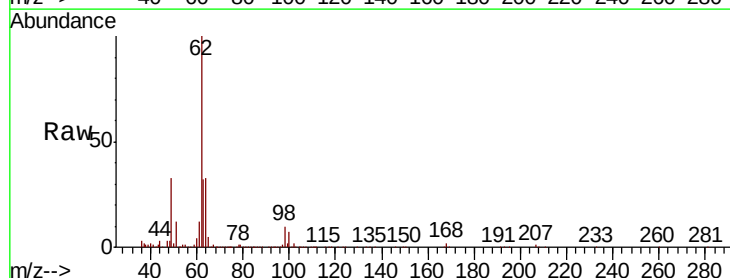
Acq: 16 Apr 2019 12:45

Tgt Ion: 62 Resp: 376381

Ion Ratio Lower Upper

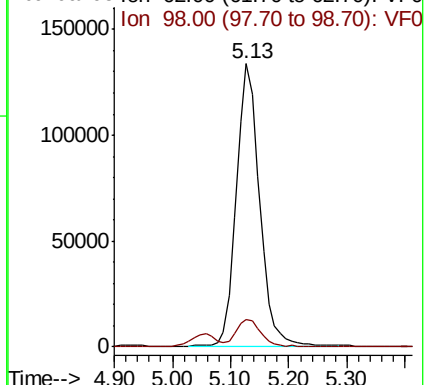
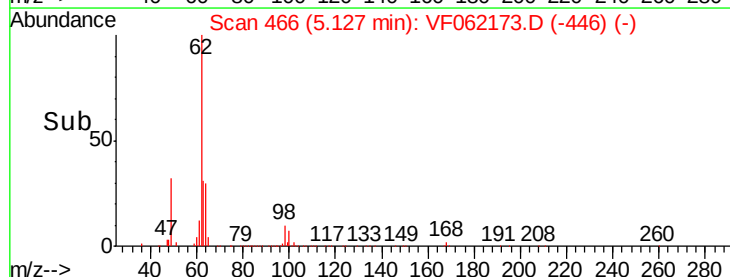
62 100

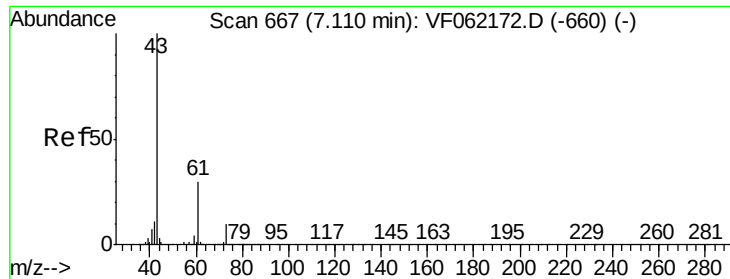
98 9.9 0.0 22.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 71.855 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

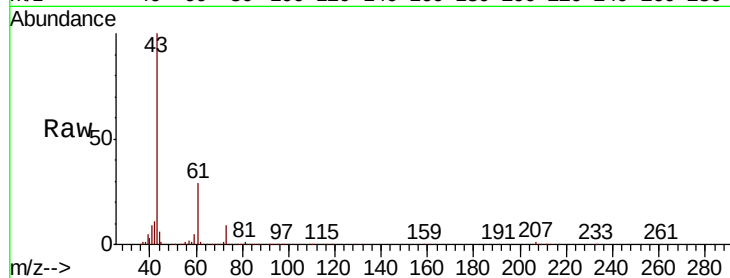
Tot Ion: 43 Resp: 279872

Ion Ratio Lower Upper

43 100

61 28.5 23.7 35.5

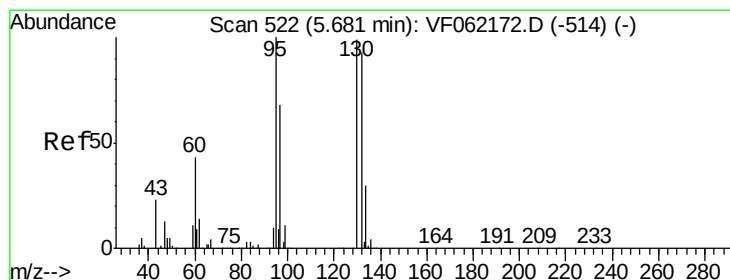
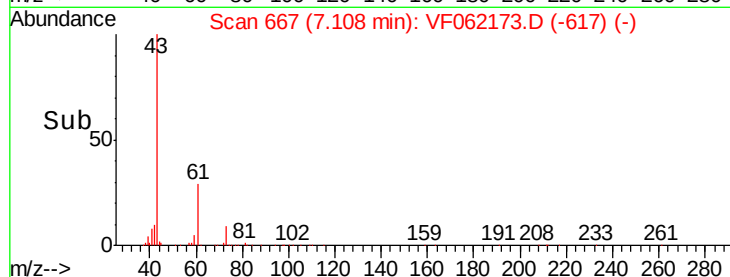
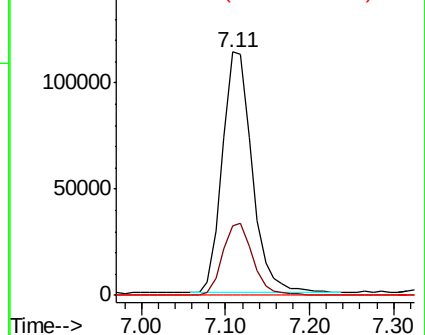
87 0.2 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 70.846 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.01 min

Lab File: VF062173.D

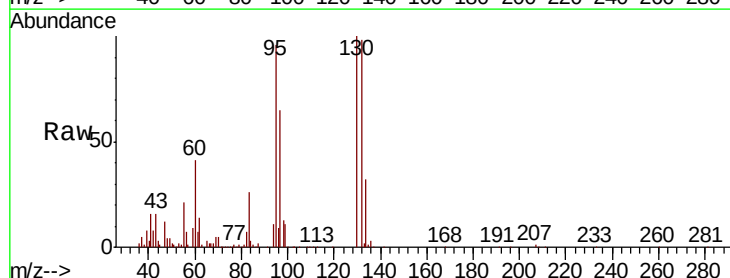
Acq: 16 Apr 2019 12:45

Tgt Ion:130 Resp: 364319

Ion Ratio Lower Upper

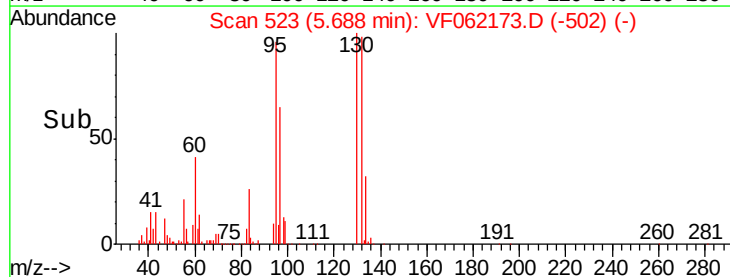
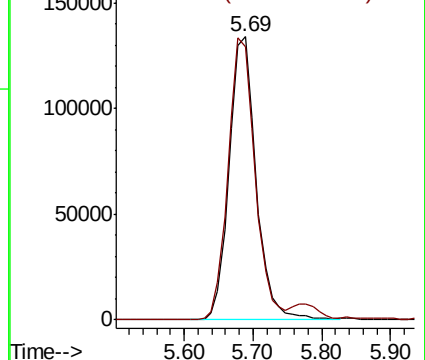
130 100

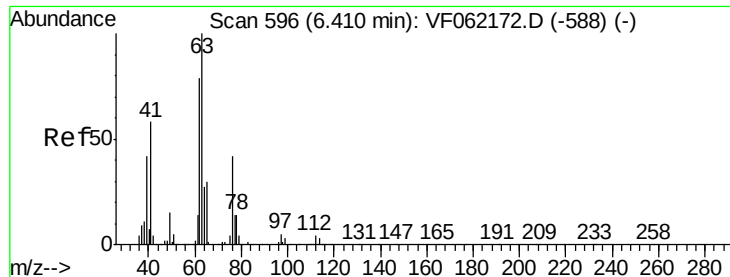
95 96.5 0.0 202.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 71.492 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

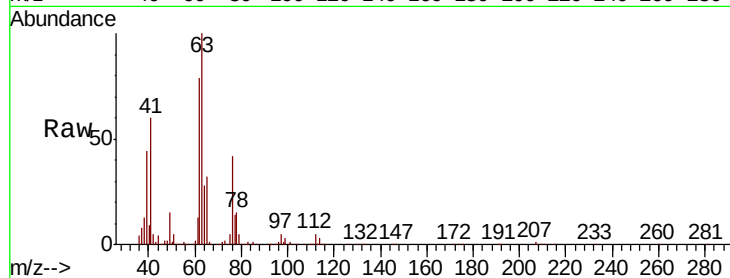
VSTDIC075

Tot Ion: 63 Resp: 336964

Ion Ratio Lower Upper

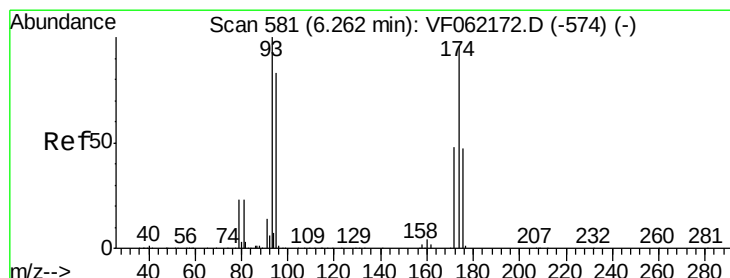
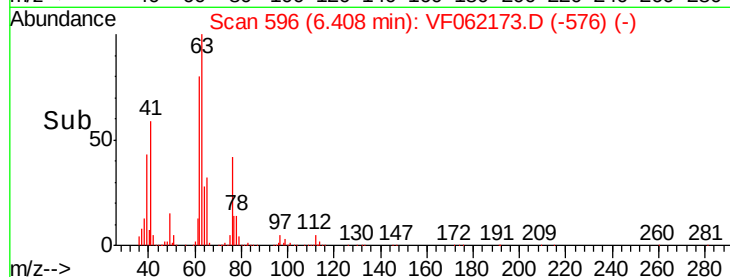
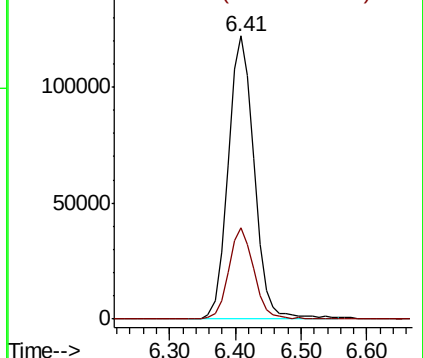
63 100

65 32.4 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 74.265 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

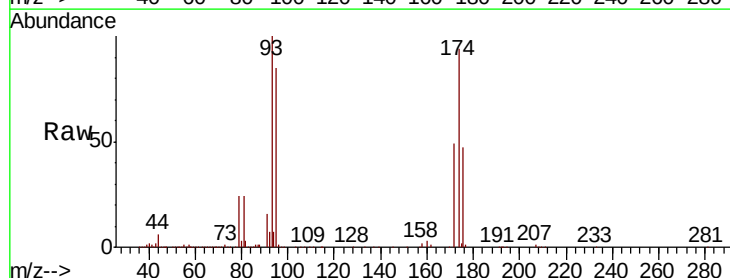
Tgt Ion: 93 Resp: 211076

Ion Ratio Lower Upper

93 100

95 84.5 67.0 100.6

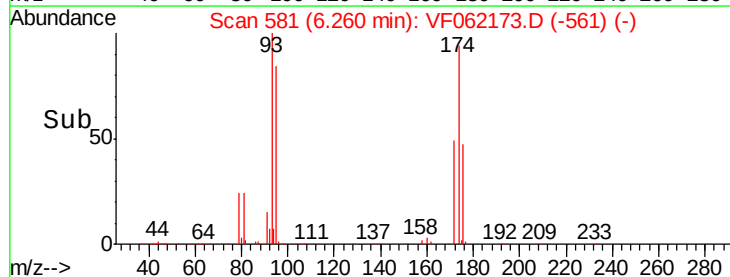
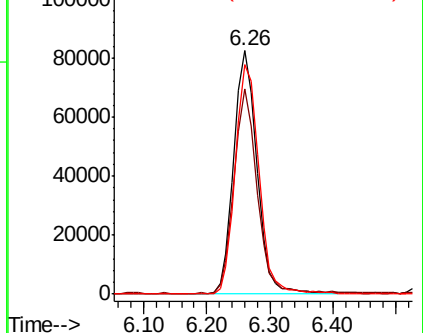
174 94.3 76.3 114.5

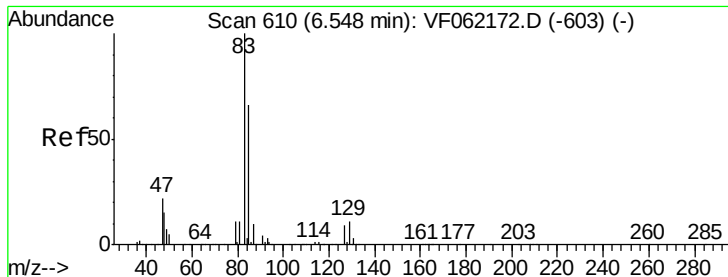


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 71.908 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

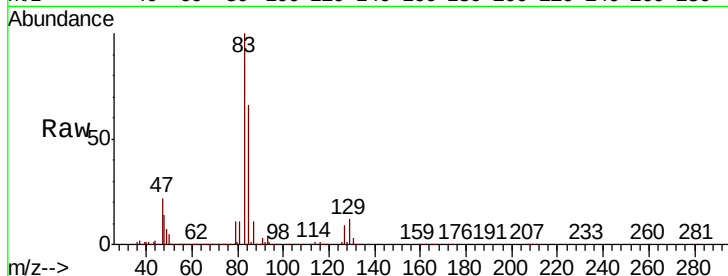
Tot Ion: 83 Resp: 463017

Ion Ratio Lower Upper

83 100

85 66.1 52.6 79.0

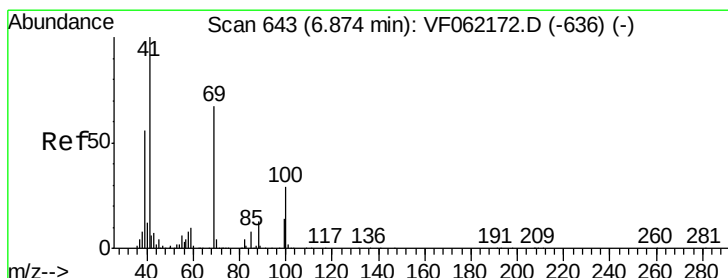
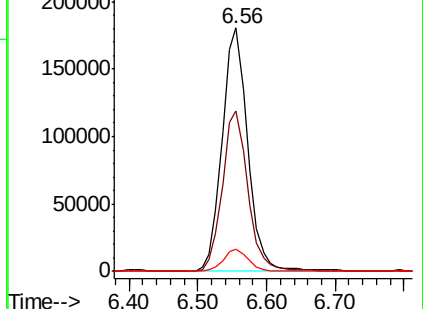
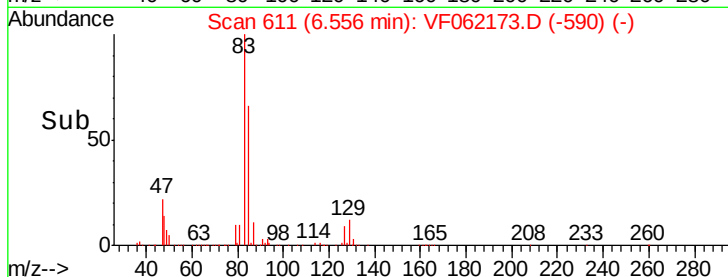
127 9.2 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 73.458 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

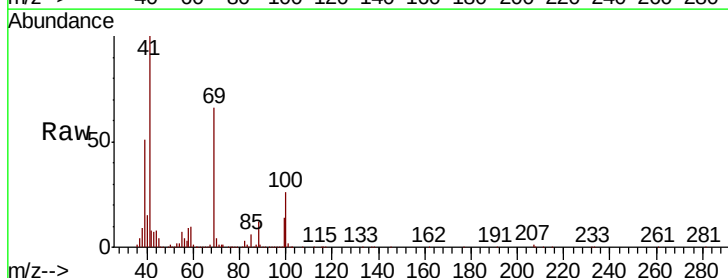
Tgt Ion: 41 Resp: 186238

Ion Ratio Lower Upper

41 100

69 66.3 52.8 79.2

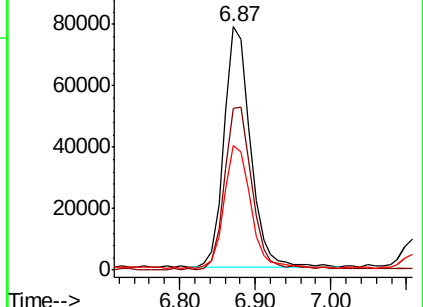
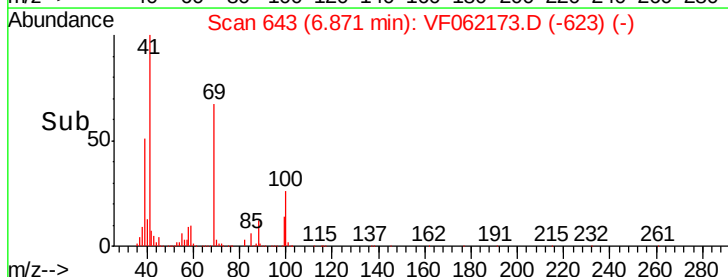
39 51.4 45.0 67.4

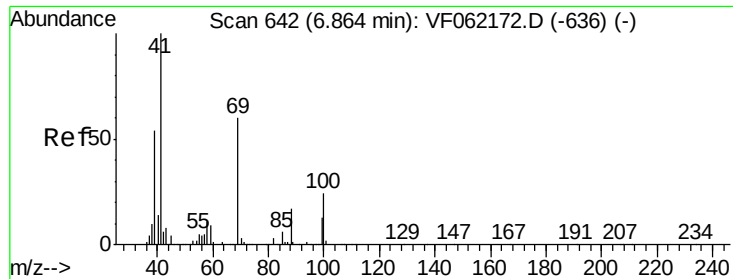


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

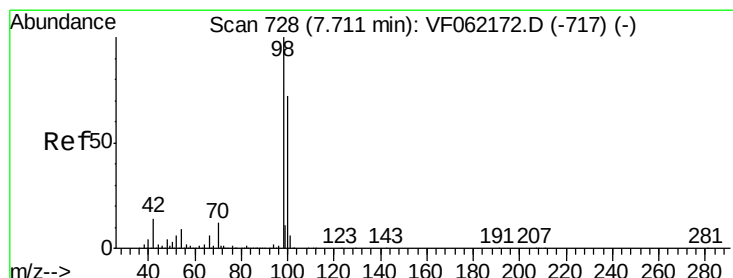
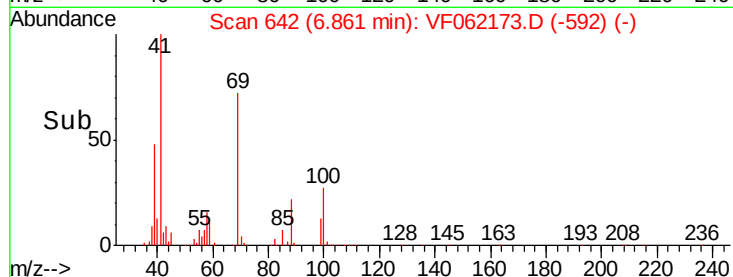
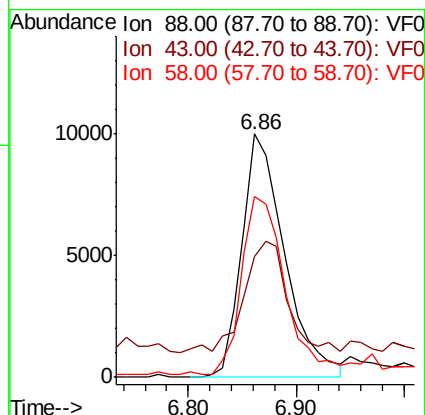
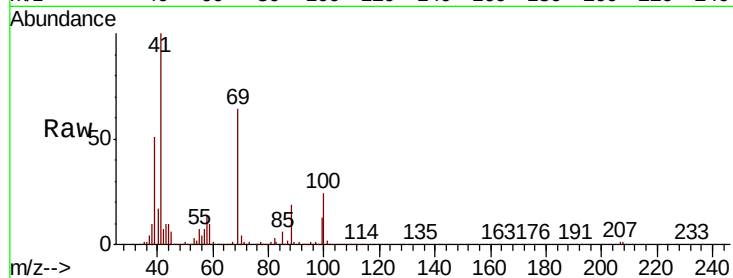




#49
 1,4-Dioxane
 Concen: 1393.378 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

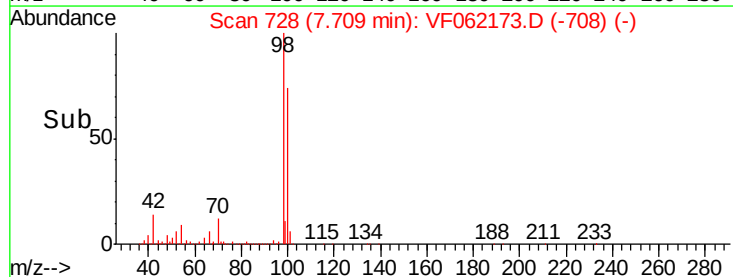
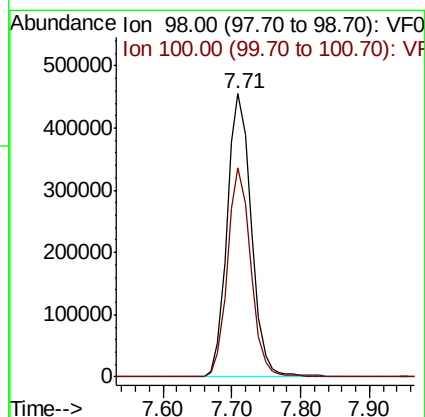
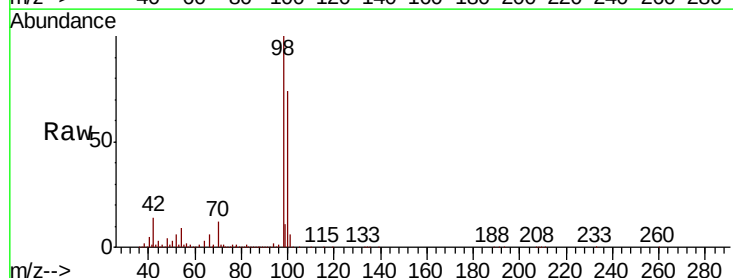
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

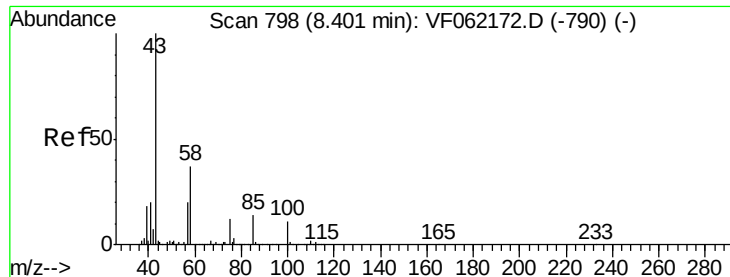
Tot Ion: 88 Resp: 27528
 Ion Ratio Lower Upper
 88 100
 43 49.5 49.5 74.3#
 58 74.5 52.6 79.0



#50
 Toluene-d8
 Concen: 73.446 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion: 98 Resp: 1108320
 Ion Ratio Lower Upper
 98 100
 100 73.9 57.4 86.0





#51

4-Methyl-2-Pentanone

Concen: 363.132 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

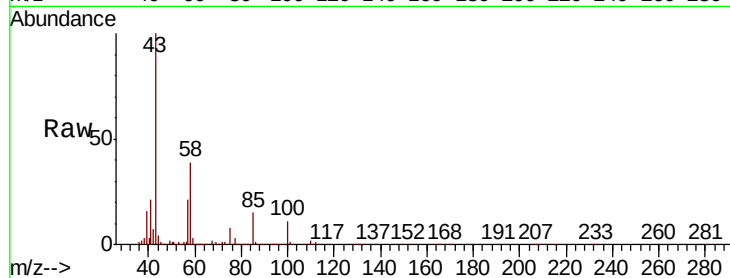
VSTDIC075

Tot Ion: 43 Resp: 1083527

Ion Ratio Lower Upper

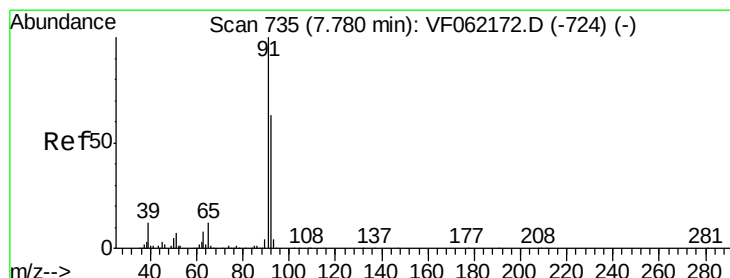
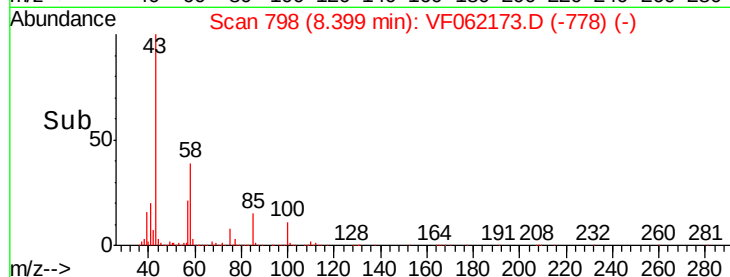
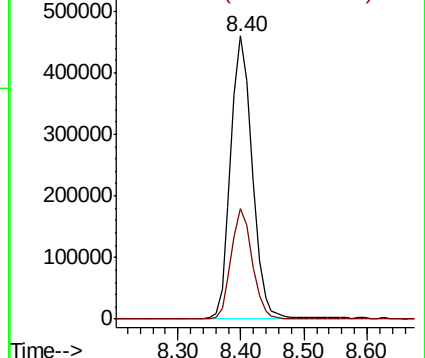
43 100

58 38.9 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 70.450 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062173.D

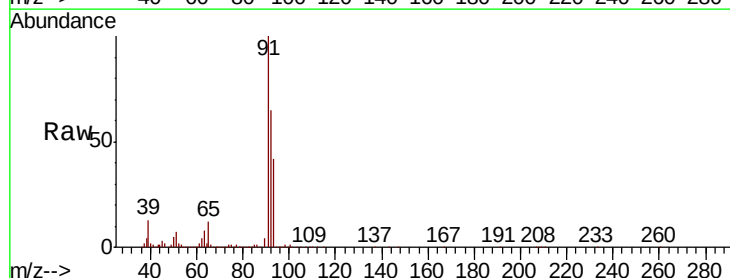
Acq: 16 Apr 2019 12:45

Tgt Ion: 92 Resp: 795144

Ion Ratio Lower Upper

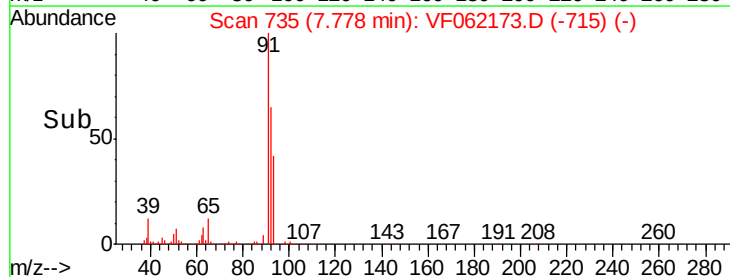
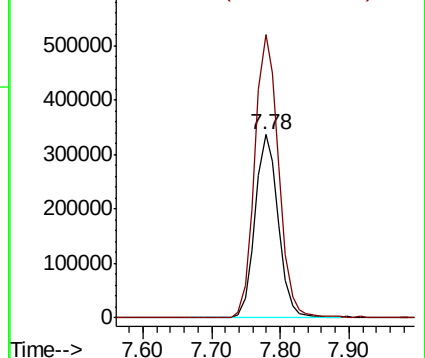
92 100

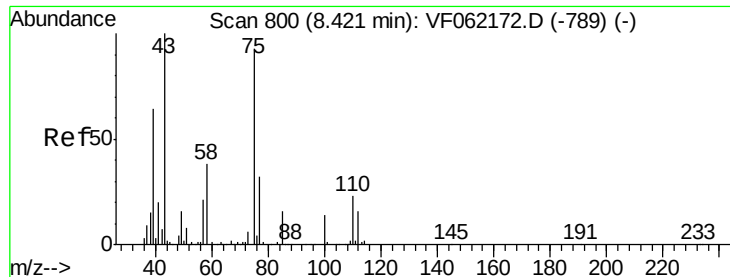
91 154.4 126.9 190.3



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: 72.359 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

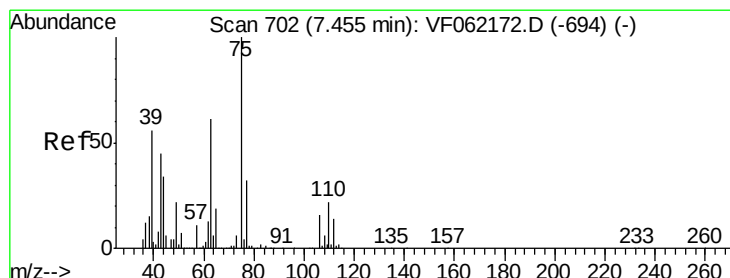
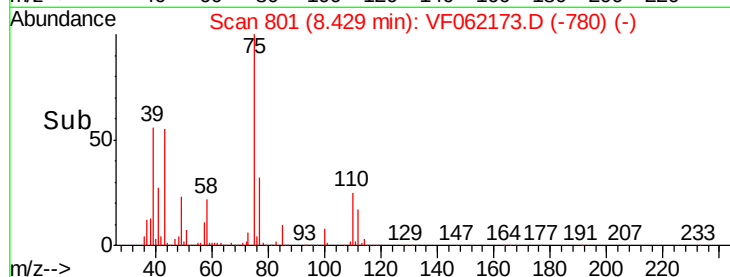
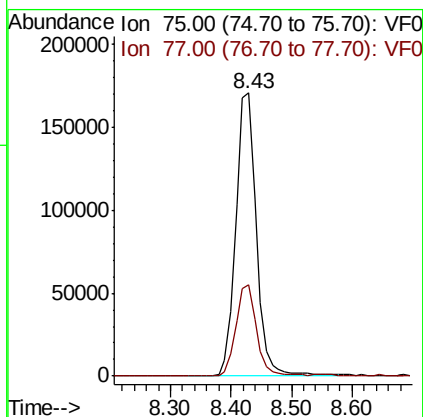
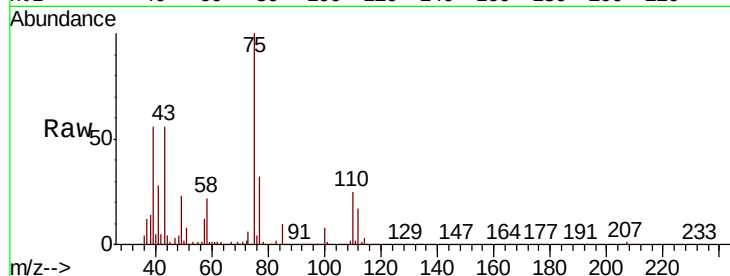
VSTDIC075

Tot Ion: 75 Resp: 403571

Ion Ratio Lower Upper

75 100

77 32.1 27.8 41.6



#54

cis-1,3-Dichloropropene

Concen: 72.254 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

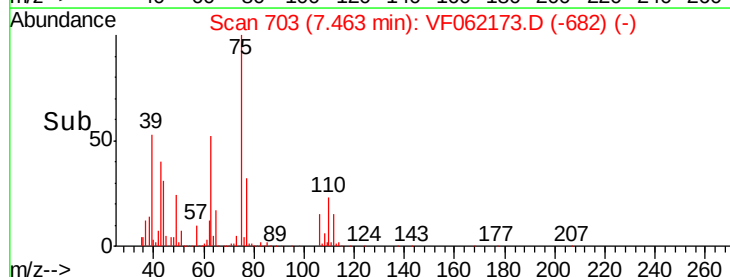
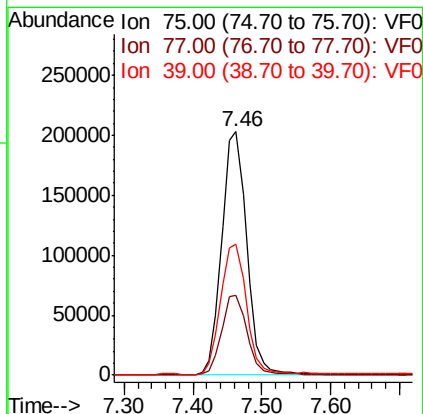
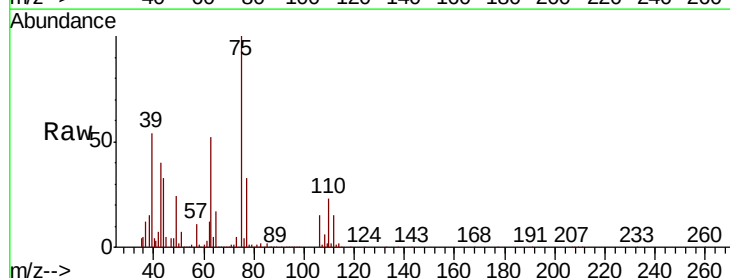
Tgt Ion: 75 Resp: 512428

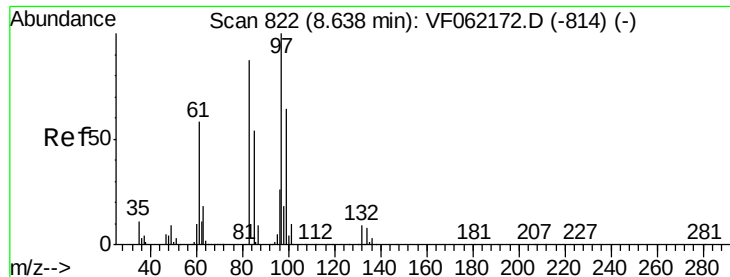
Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0

39 53.6 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 73.594 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 237898

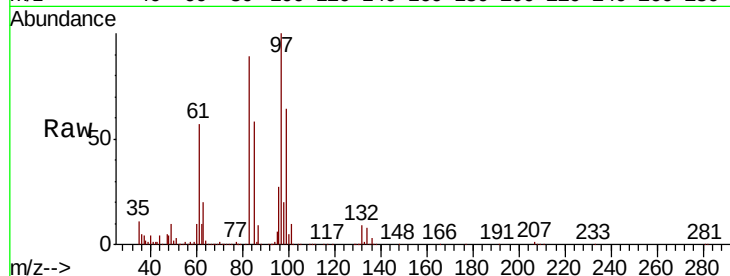
Ion Ratio Lower Upper

97 100

83 89.2 69.6 104.4

85 57.8 43.5 65.3

99 63.6 51.5 77.3

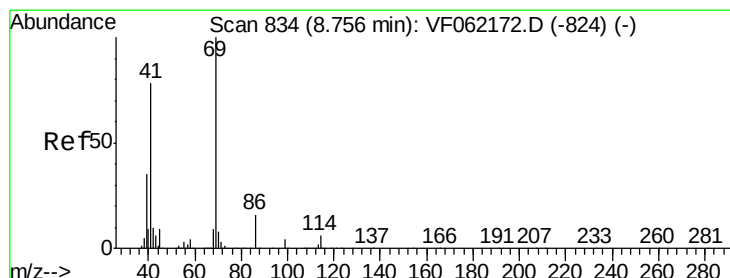
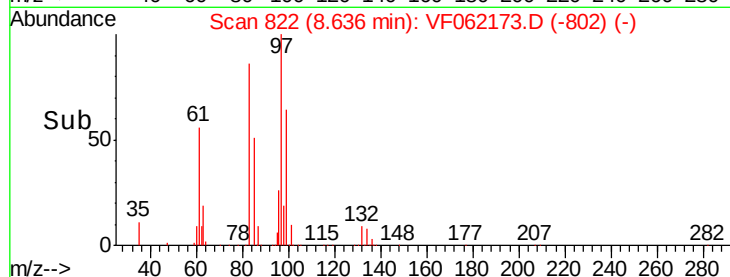
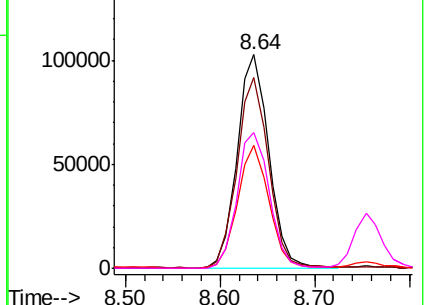


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 69.872 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

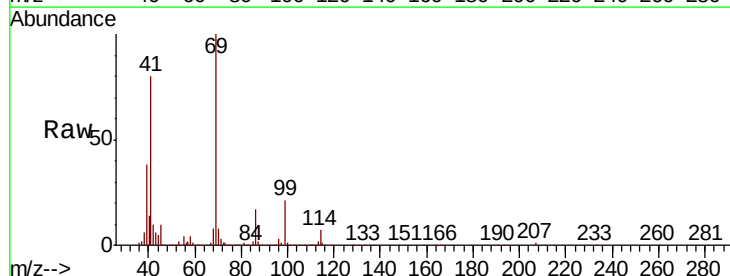
Tgt Ion: 69 Resp: 268580

Ion Ratio Lower Upper

69 100

41 80.2 63.4 95.0

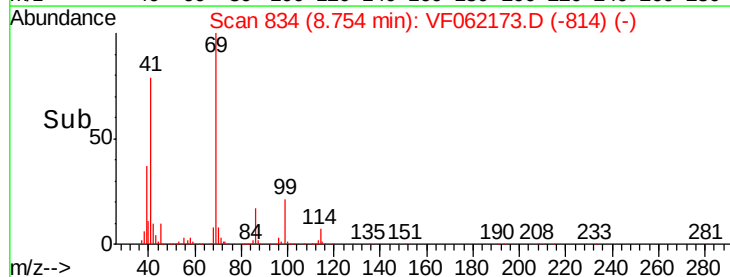
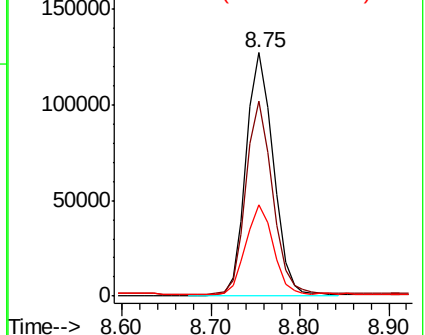
39 37.6 29.0 43.6

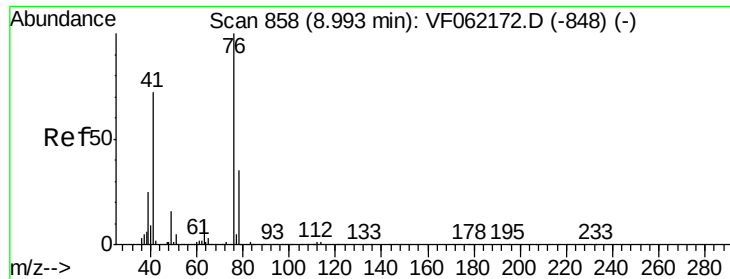


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 72.462 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

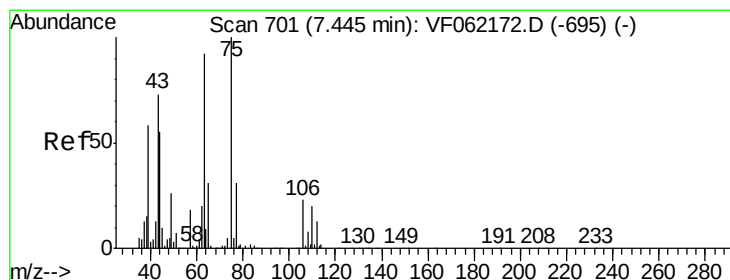
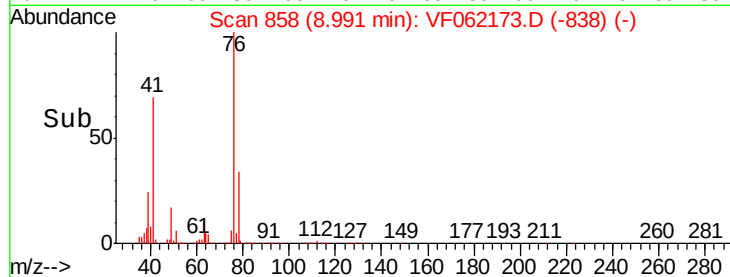
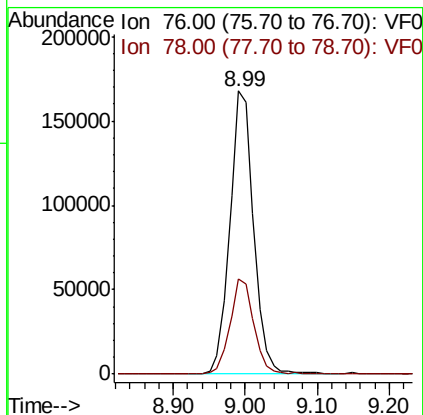
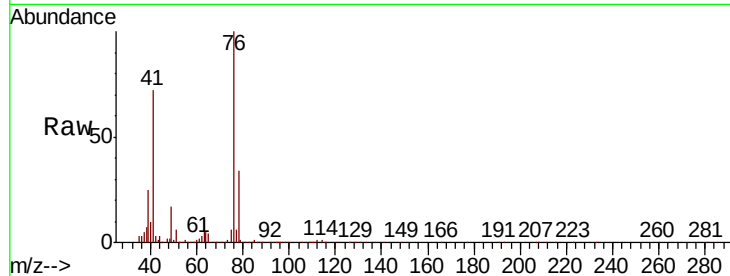
VSTDIC075

Tot Ion: 76 Resp: 385092

Ion Ratio Lower Upper

76 100

78 33.8 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 376.964 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062173.D

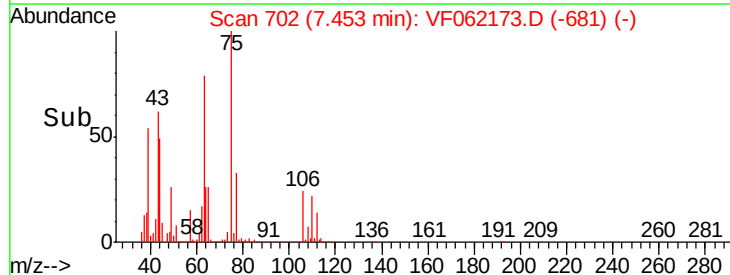
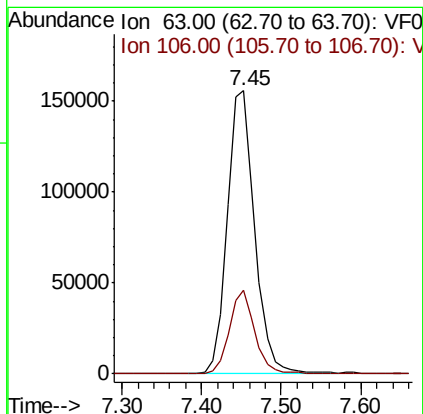
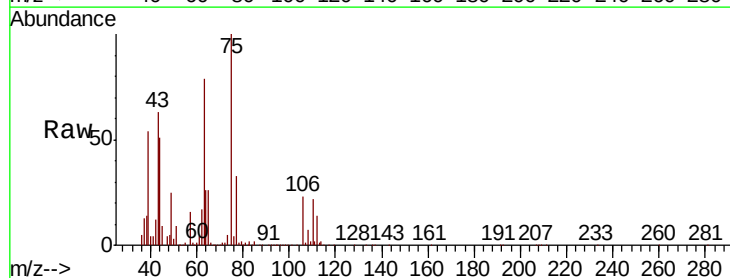
Acq: 16 Apr 2019 12:45

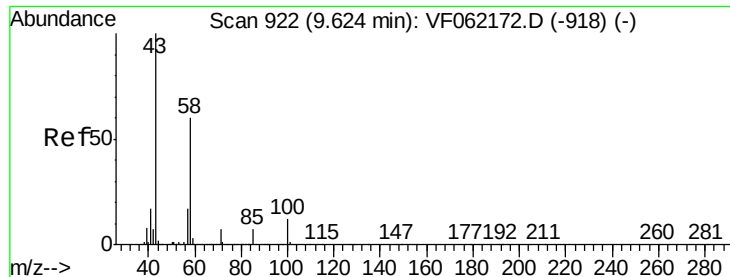
Tgt Ion: 63 Resp: 373337

Ion Ratio Lower Upper

63 100

106 29.6 20.2 30.4

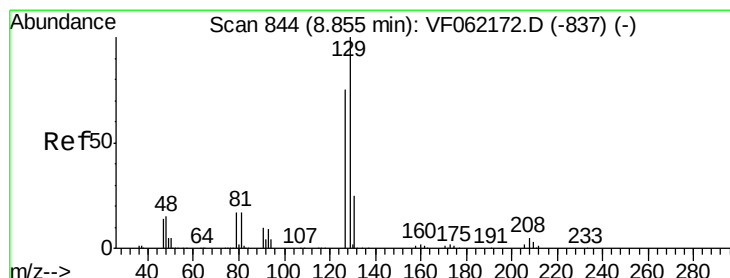
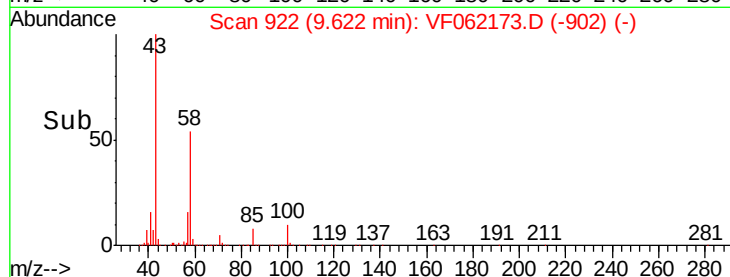
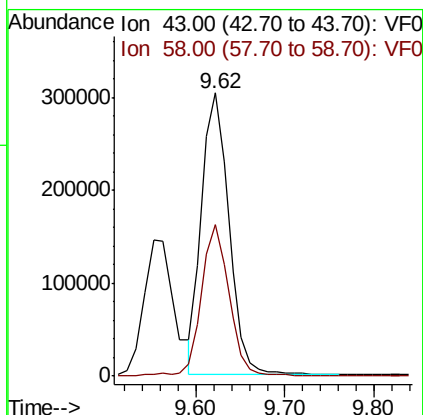
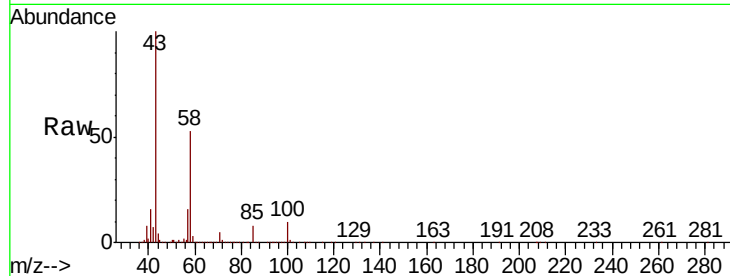




#59
2-Hexanone
Concen: 340.012 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

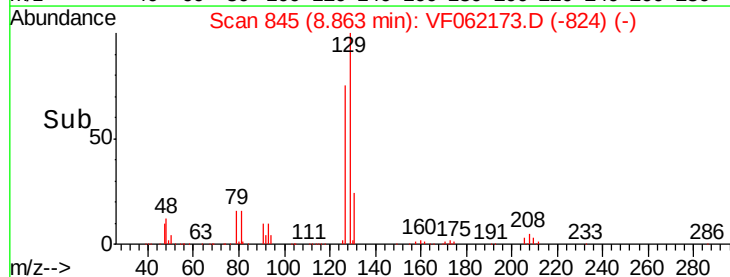
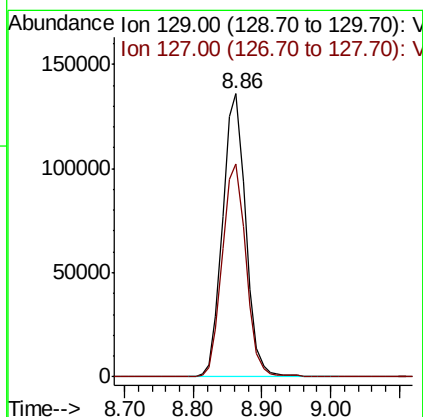
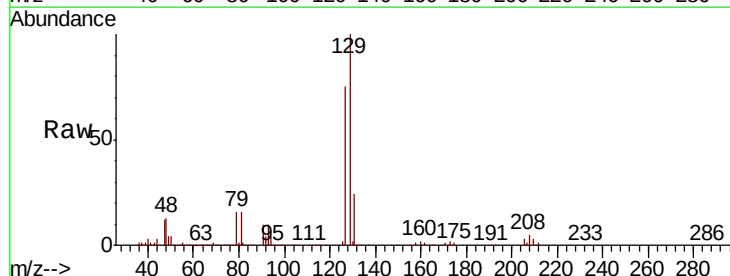
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

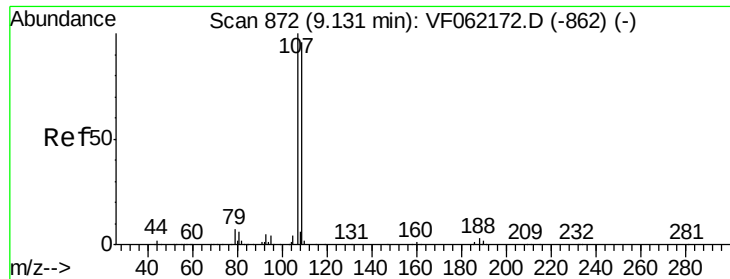
Tot Ion: 43 Resp: 645676
Ion Ratio Lower Upper
43 100
58 53.4 26.8 80.4



#60
Dibromochloromethane
Concen: 71.016 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion: 129 Resp: 315855
Ion Ratio Lower Upper
129 100
127 75.2 37.7 113.1





#61

1,2-Dibromoethane

Concen: 72.790 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

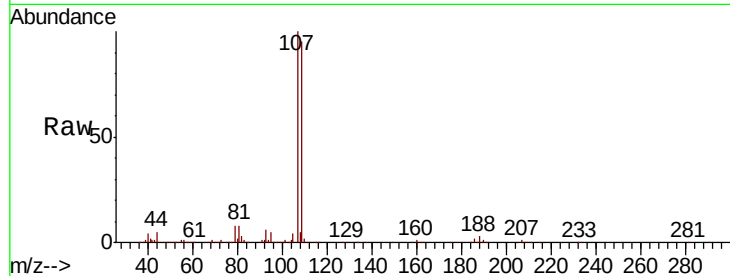
VSTDIC075

Tot Ion:107 Resp: 251740

Ion Ratio Lower Upper

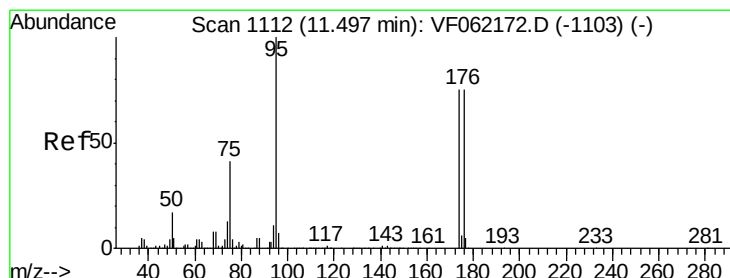
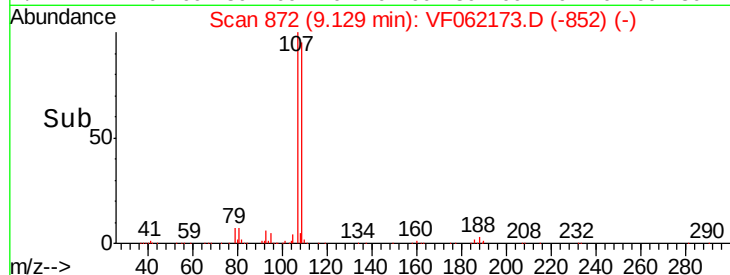
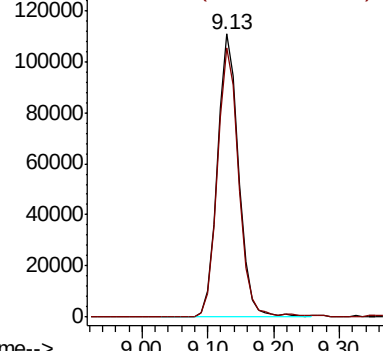
107 100

109 95.3 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 67.549 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

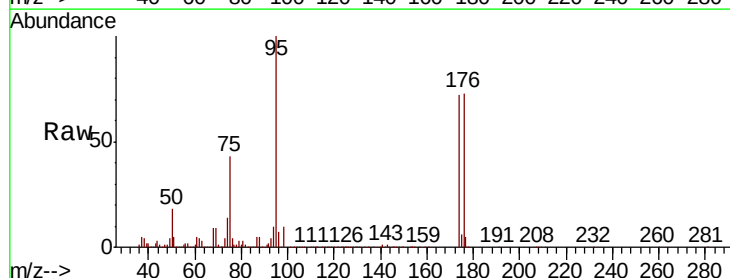
Tgt Ion: 95 Resp: 402542

Ion Ratio Lower Upper

95 100

174 72.4 0.0 150.2

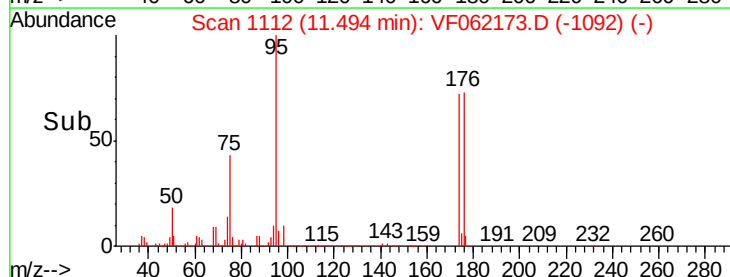
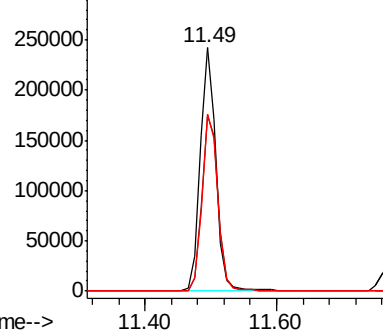
176 72.5 0.0 149.4

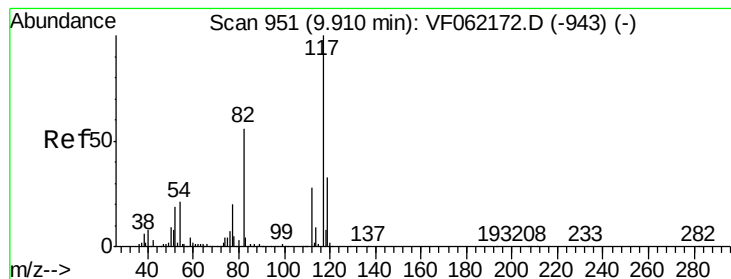


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

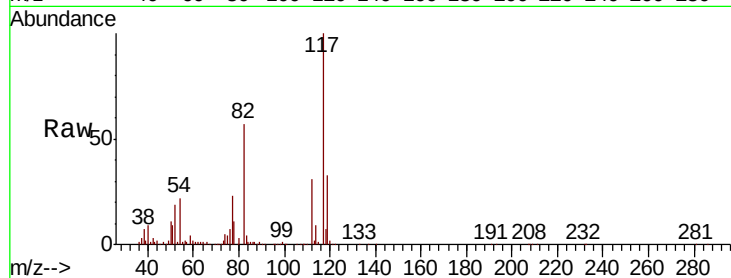
Tot Ion:117 Resp: 539796

Ion Ratio Lower Upper

117 100

82 57.1 45.2 67.8

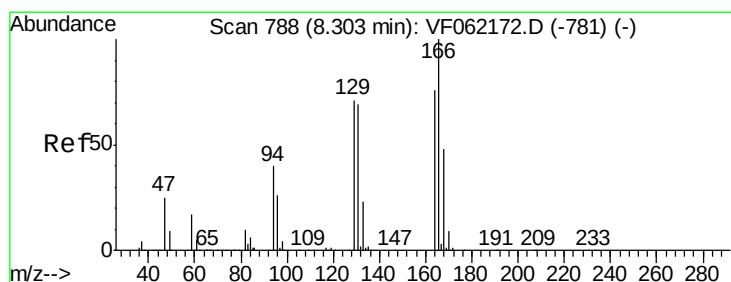
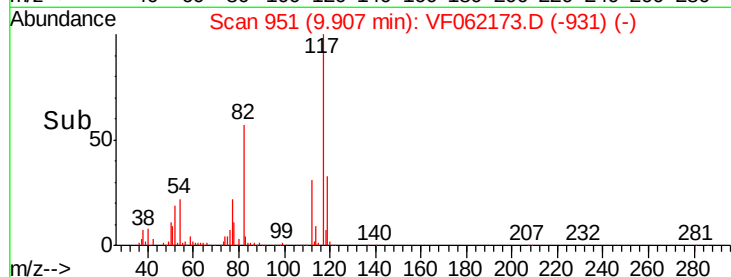
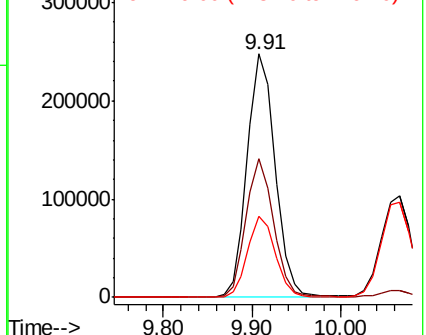
119 33.2 26.6 39.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 72.653 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Tgt Ion:164 Resp: 320310

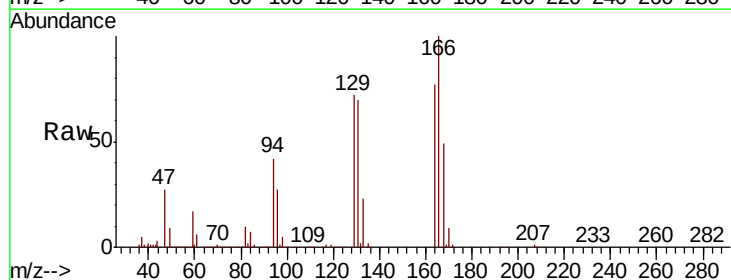
Ion Ratio Lower Upper

164 100

166 129.8 105.9 158.9

129 93.0 75.3 112.9

131 90.8 73.4 110.2

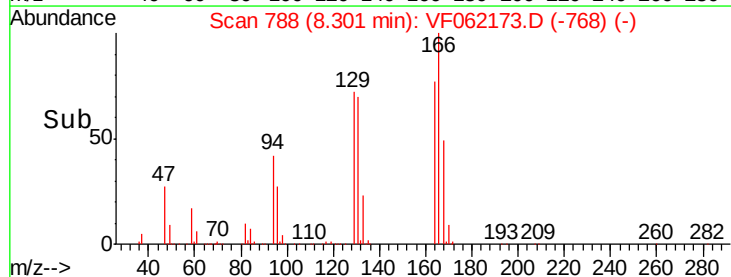
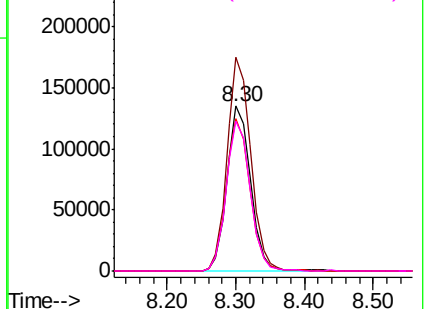


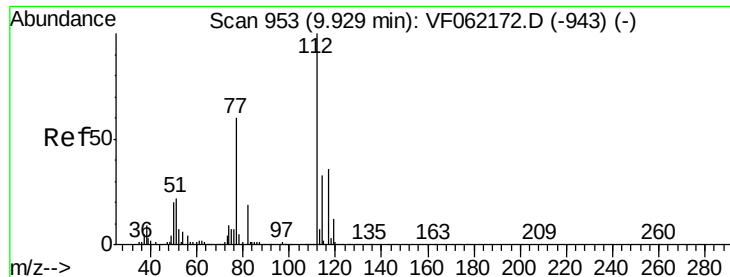
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 72.087 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

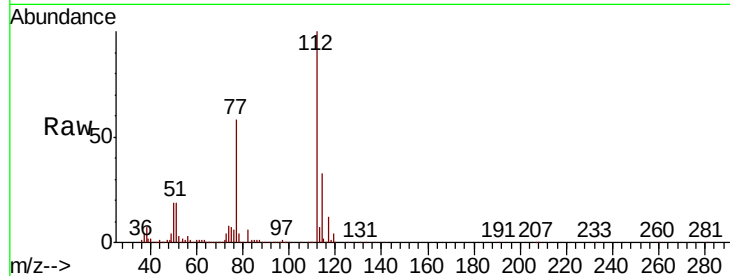
VSTDIC075

Tot Ion:112 Resp: 809478

Ion Ratio Lower Upper

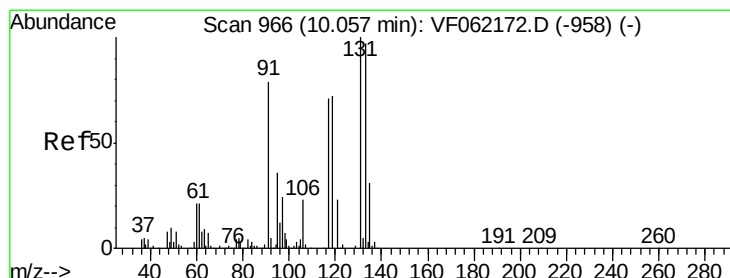
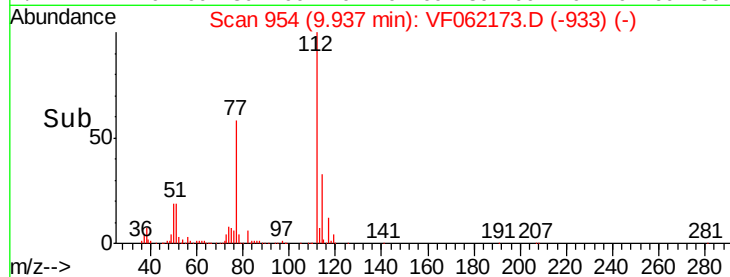
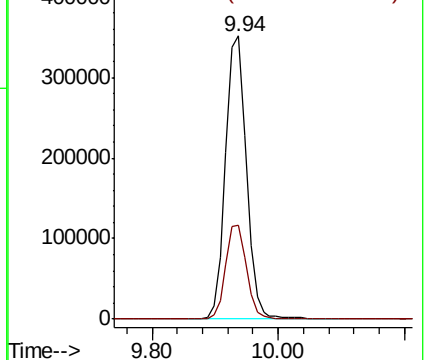
112 100

114 33.3 26.6 39.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 70.228 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

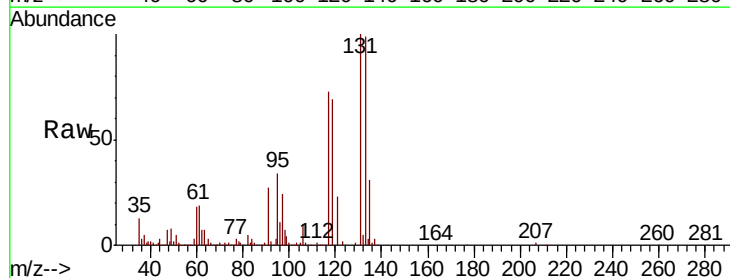
Tgt Ion:131 Resp: 325568

Ion Ratio Lower Upper

131 100

133 98.9 48.4 145.2

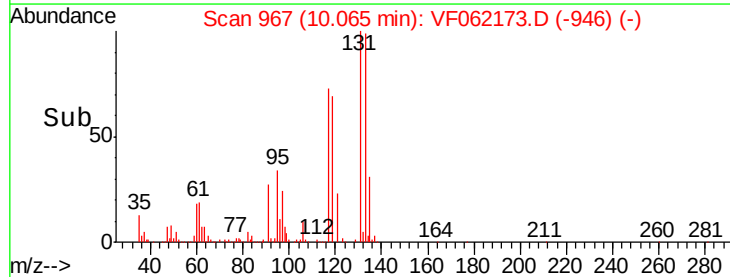
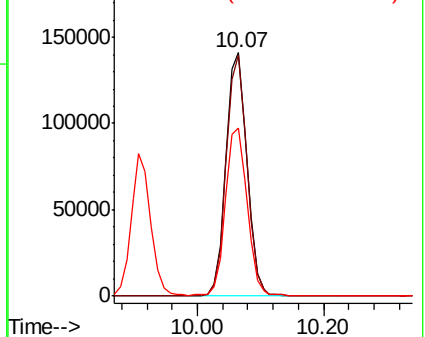
119 69.0 36.3 108.9

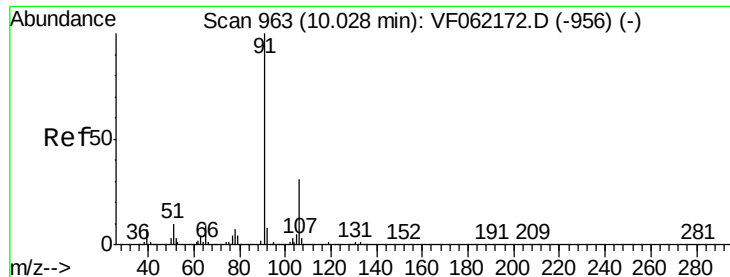


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 66.506 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

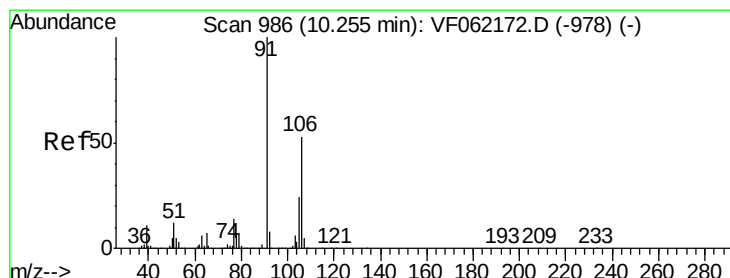
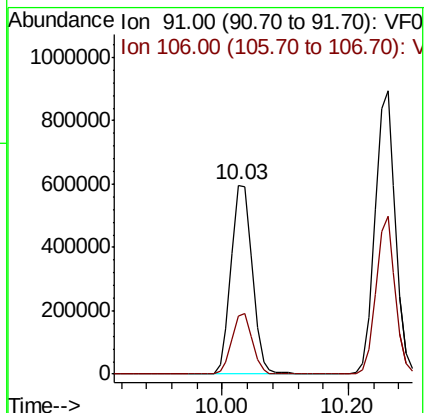
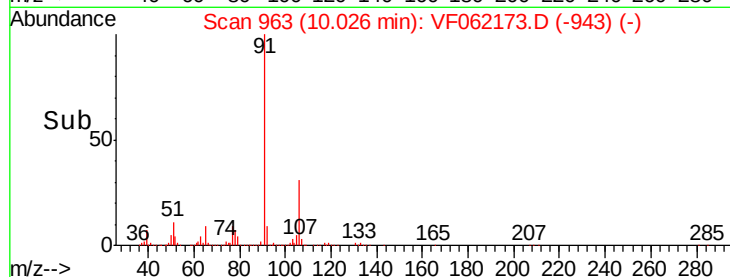
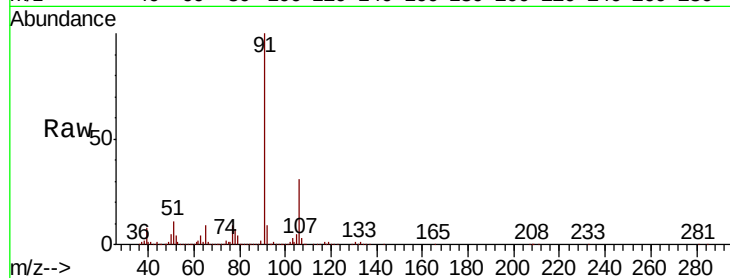
VSTDIC075

Tot Ion: 91 Resp: 1384342

Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1



#68

m/p-Xylenes

Concen: 139.092 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF062173.D

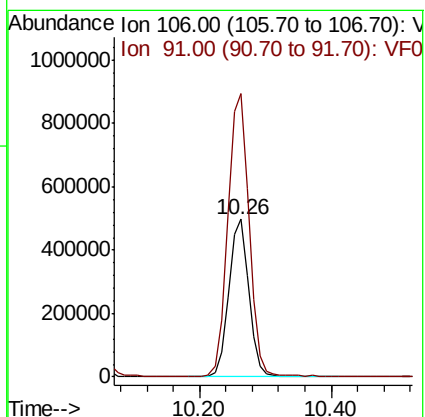
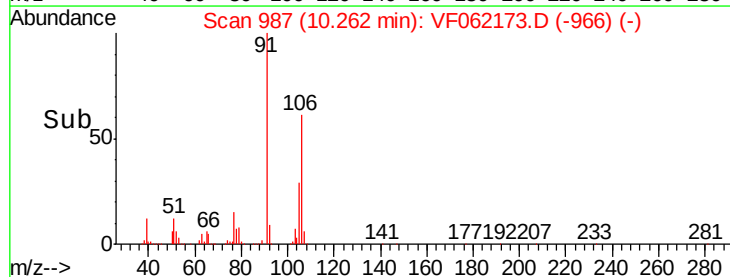
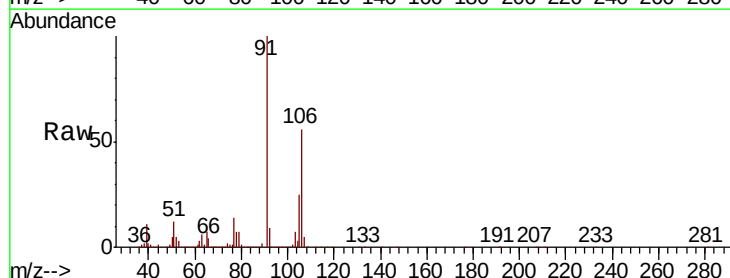
Acq: 16 Apr 2019 12:45

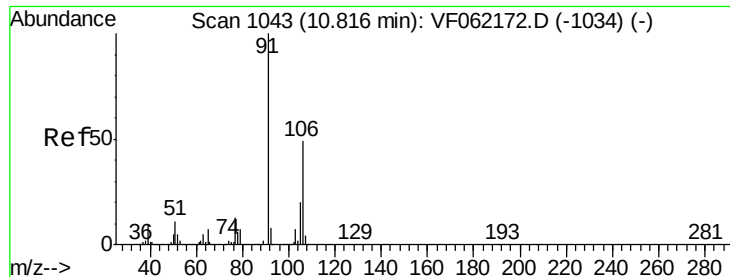
Tgt Ion:106 Resp: 1066000

Ion Ratio Lower Upper

106 100

91 179.8 151.7 227.5

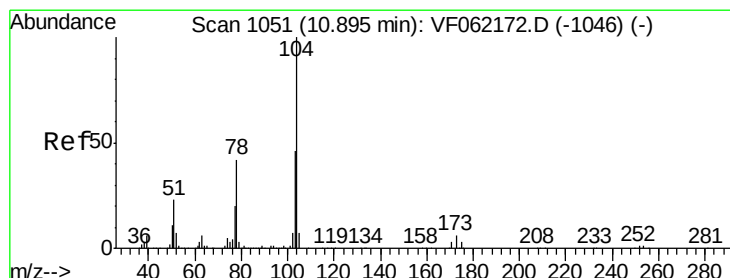
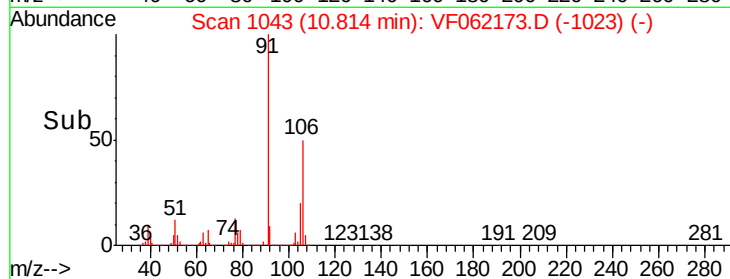
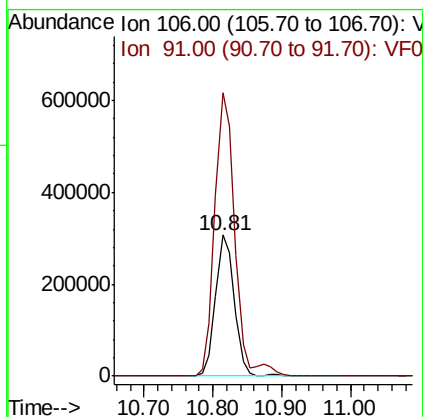
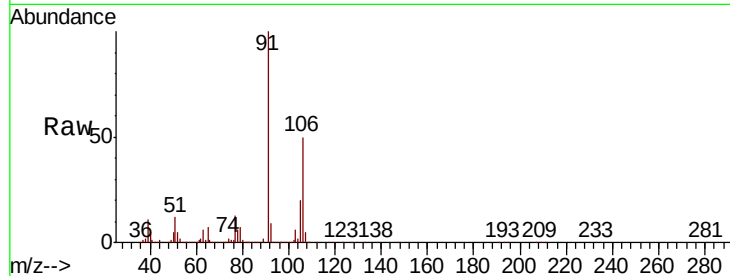




#69
o-Xylene
Concen: 70.246 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

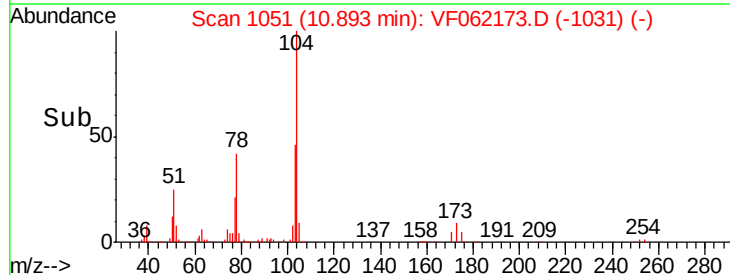
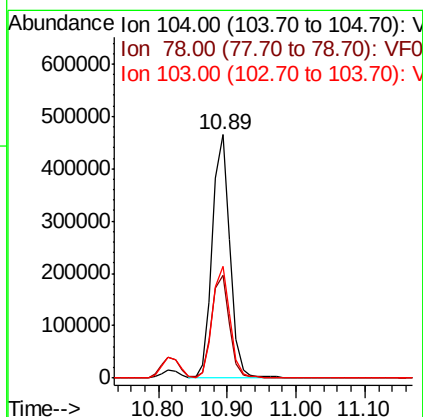
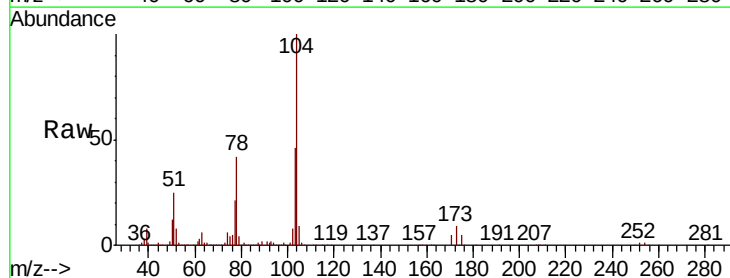
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

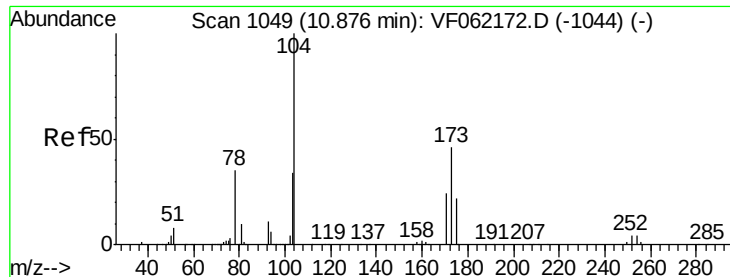
Tot Ion:106 Resp: 582757
Ion Ratio Lower Upper
106 100
91 200.7 101.9 305.7



#70
Styrene
Concen: 68.338 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion:104 Resp: 824140
Ion Ratio Lower Upper
104 100
78 42.4 33.7 50.5
103 45.8 37.2 55.8





#71

Bromoform

Concen: 72.290 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

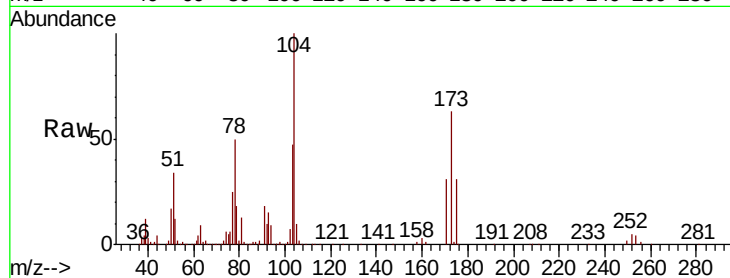
Tot Ion:173 Resp: 175502

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

254 0.0 6.6 9.8#

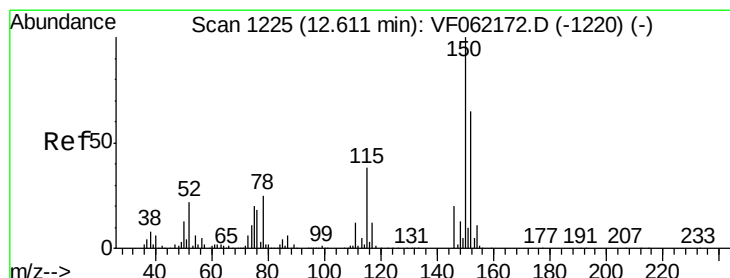
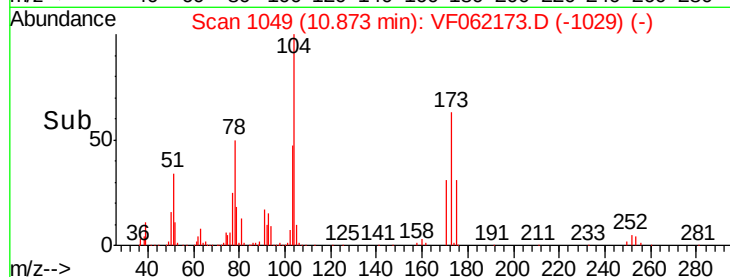
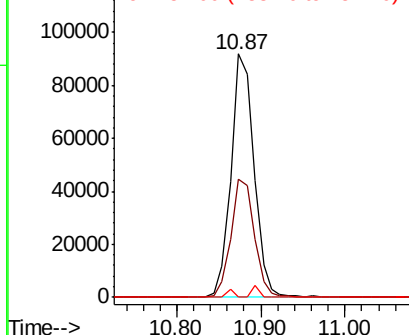


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

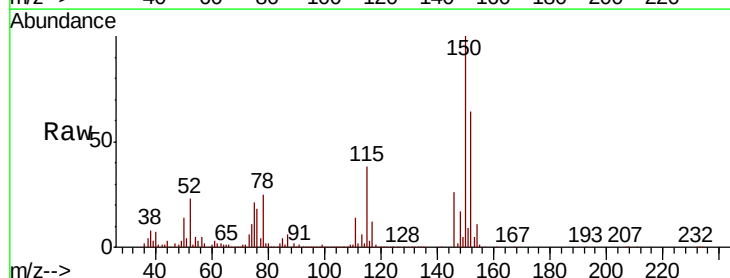
Tgt Ion:152 Resp: 260238

Ion Ratio Lower Upper

152 100

115 59.3 29.0 87.1

150 155.8 0.0 309.2

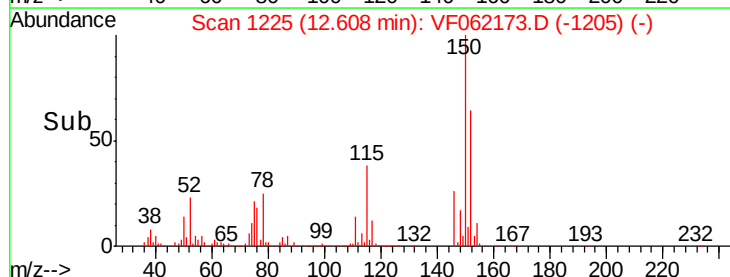
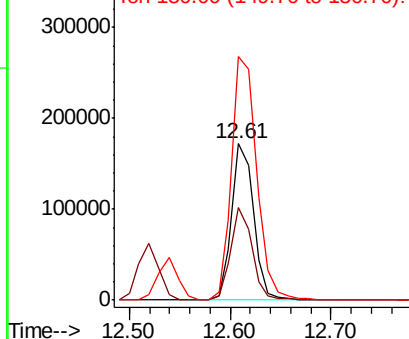


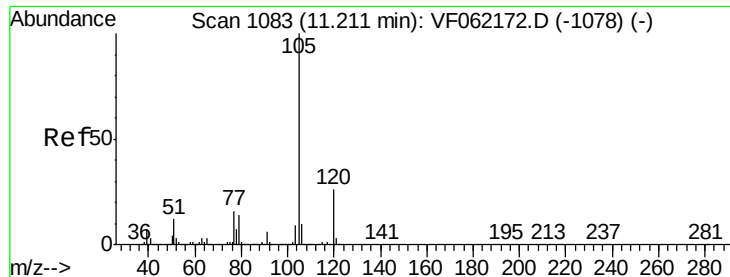
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 69.177 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

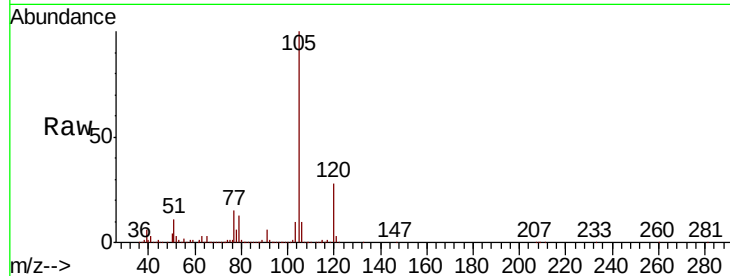
VSTDIC075

Tot Ion:105 Resp: 1550928

Ion Ratio Lower Upper

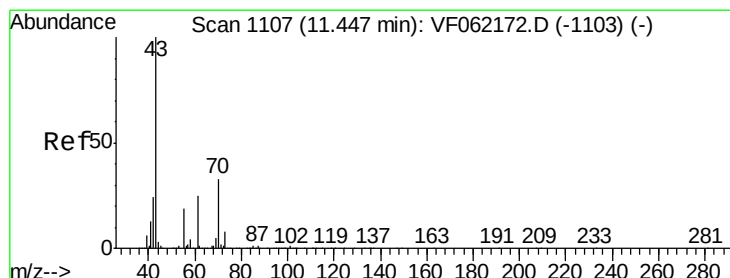
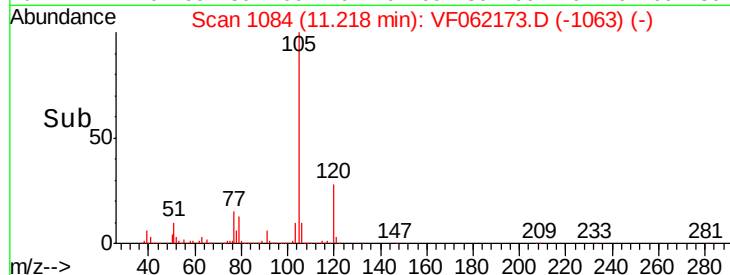
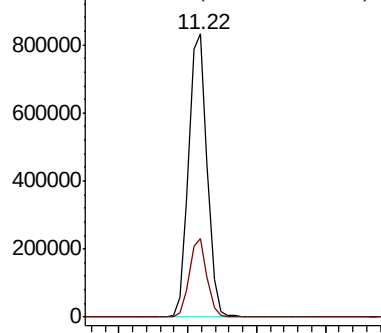
105 100

120 28.0 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 64.548 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Tgt Ion: 43 Resp: 377193

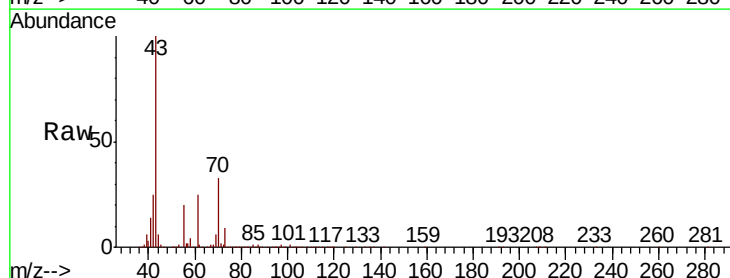
Ion Ratio Lower Upper

43 100

70 32.8 26.6 39.8

55 19.7 15.0 22.6

61 25.0 20.0 30.0

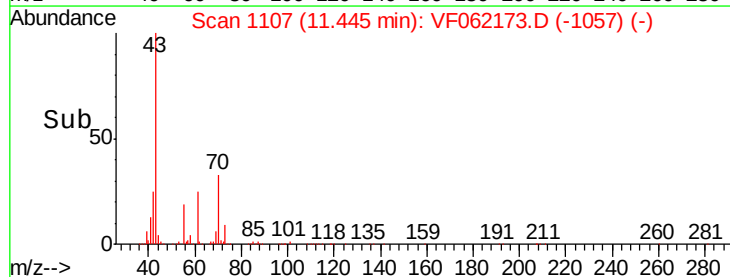
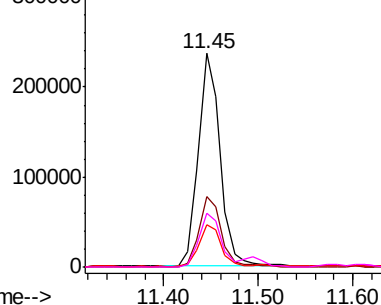


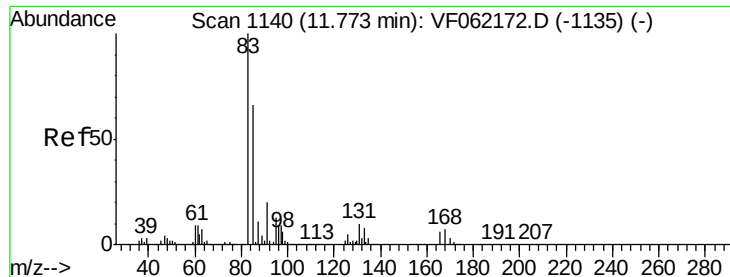
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 71.291 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

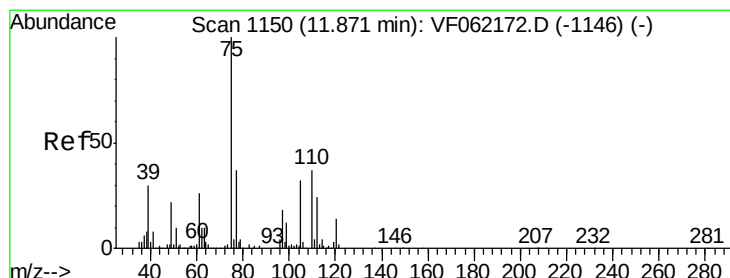
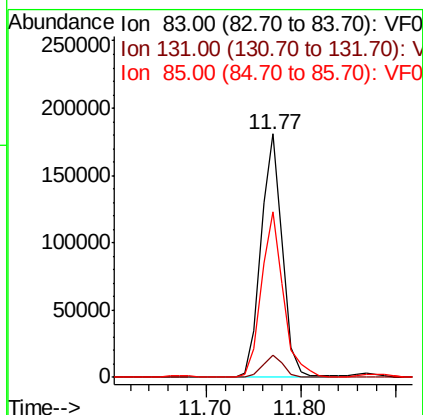
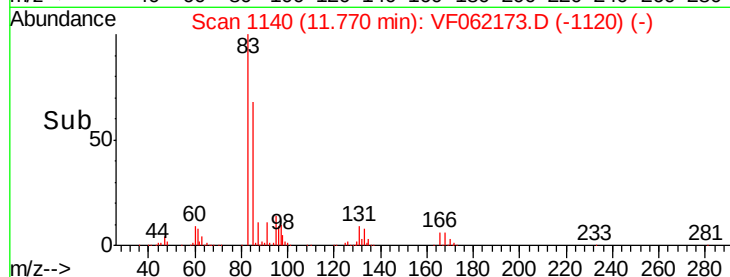
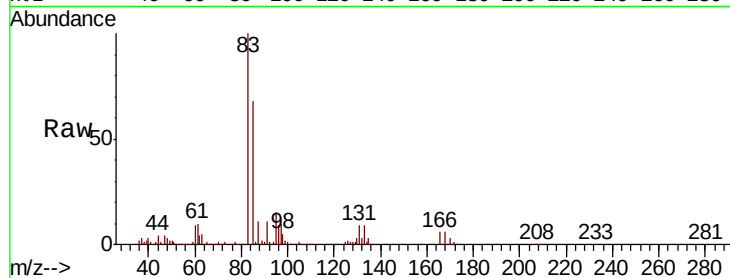
Tot Ion: 83 Resp: 284721

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.4

85 67.8 33.2 99.6



#76

1,2,3-Trichloropropane

Concen: 72.748 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062173.D

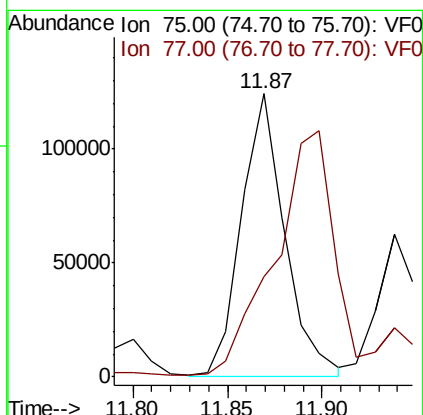
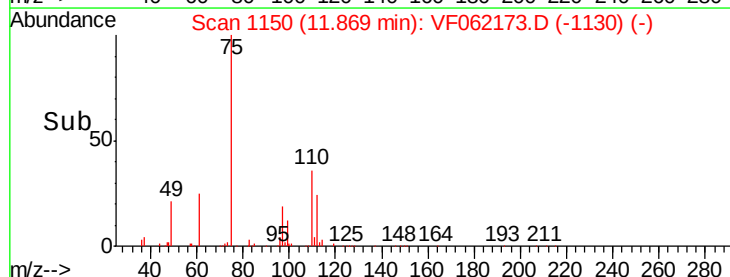
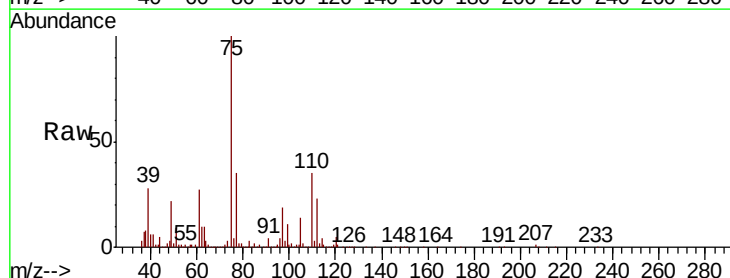
Acq: 16 Apr 2019 12:45

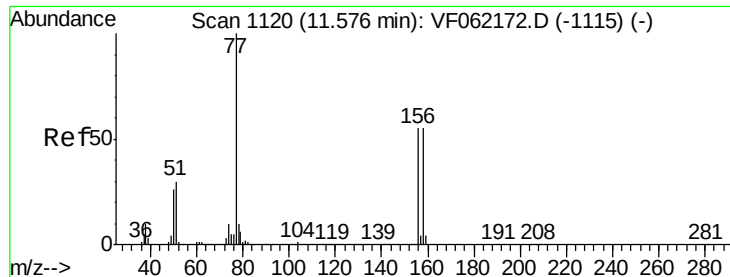
Tgt Ion: 75 Resp: 196866

Ion Ratio Lower Upper

75 100

77 35.5 18.7 56.1





#77

Bromobenzene

Concen: 71.020 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

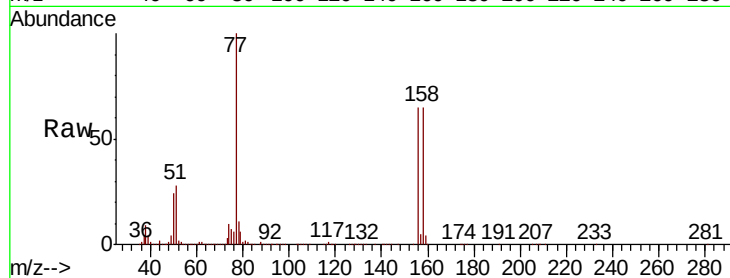
Tot Ion:156 Resp: 331135

Ion Ratio Lower Upper

156 100

77 153.6 91.1 273.4

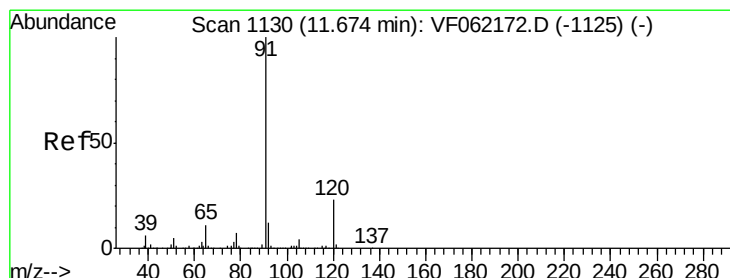
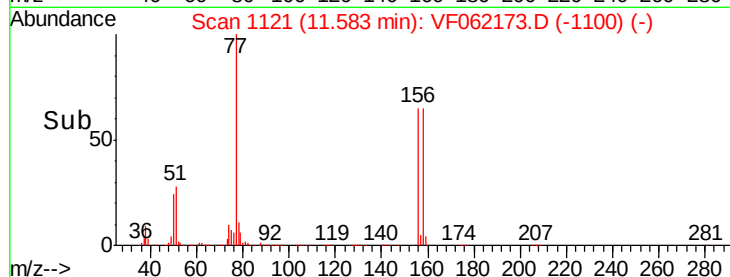
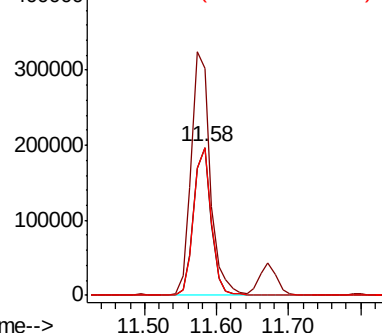
158 100.0 50.1 150.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 67.165 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062173.D

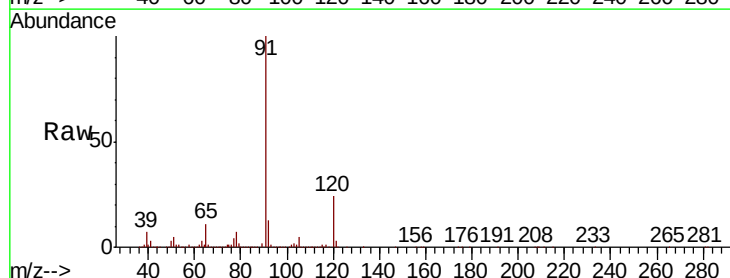
Acq: 16 Apr 2019 12:45

Tgt Ion: 91 Resp: 1711612

Ion Ratio Lower Upper

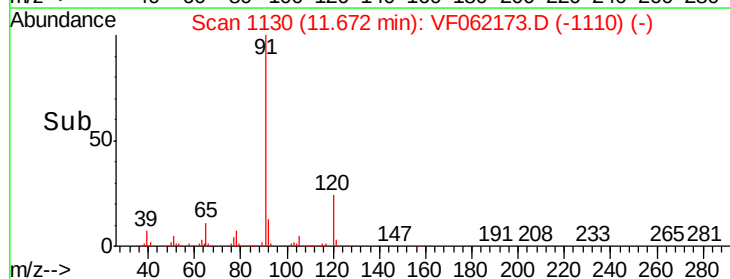
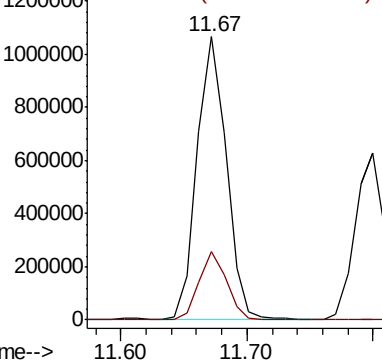
91 100

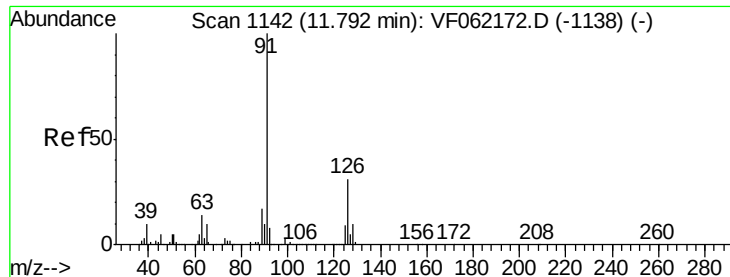
120 24.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 67.708 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

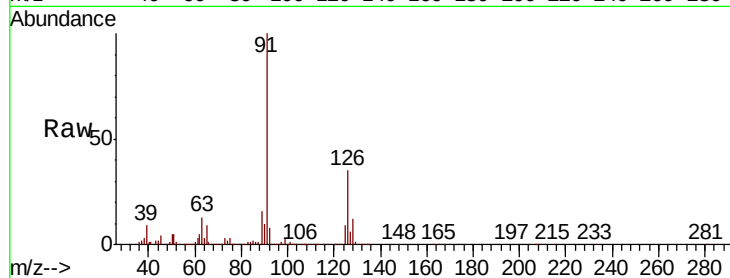
VSTDIC075

Tot Ion: 91 Resp: 1017077

Ion Ratio Lower Upper

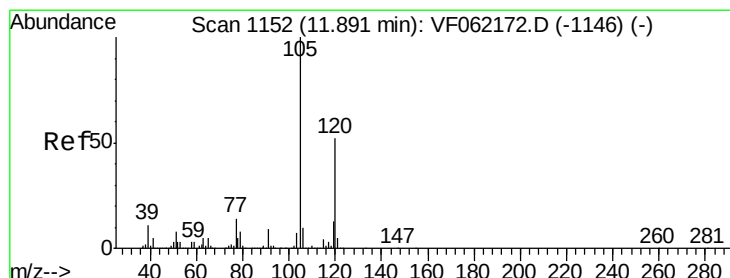
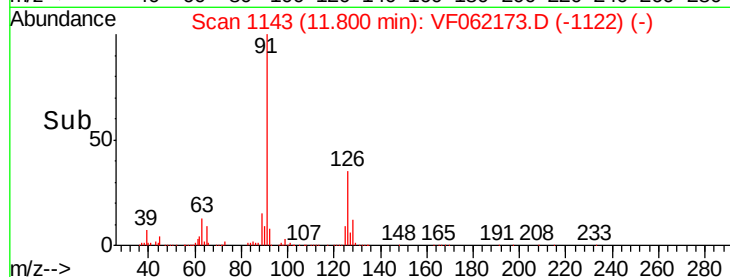
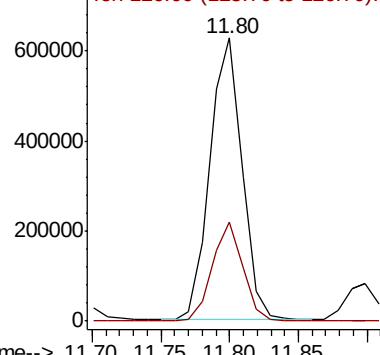
91 100

126 35.1 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 67.808 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062173.D

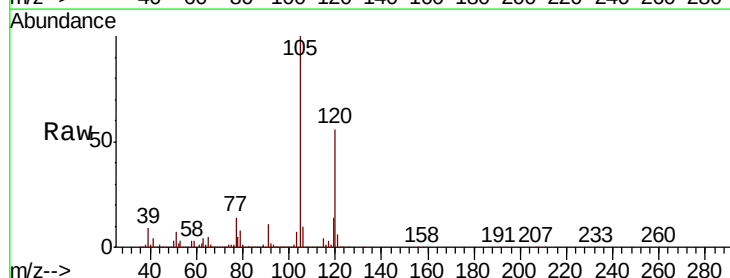
Acq: 16 Apr 2019 12:45

Tgt Ion:105 Resp: 1267895

Ion Ratio Lower Upper

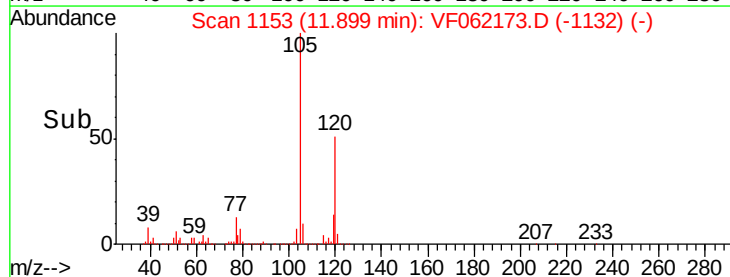
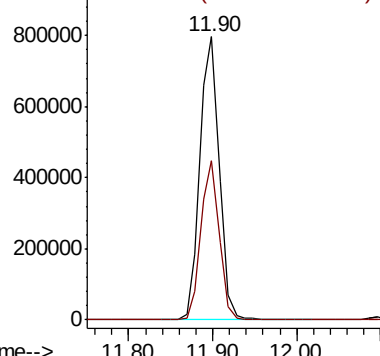
105 100

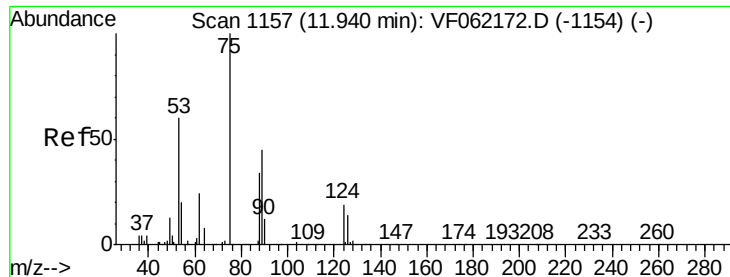
120 56.2 25.9 77.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

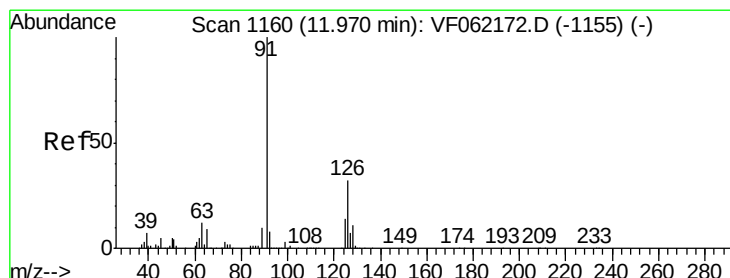
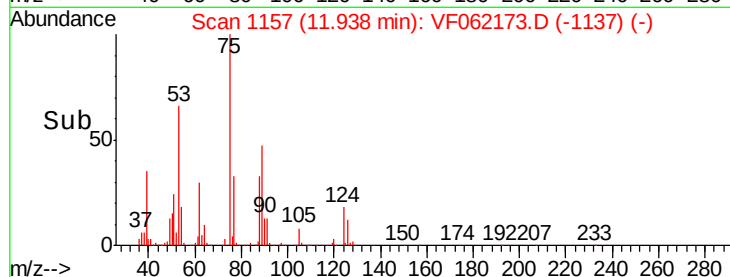
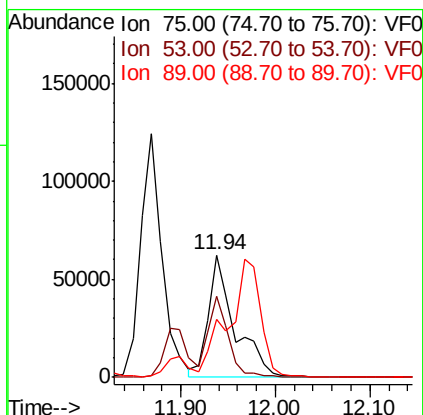
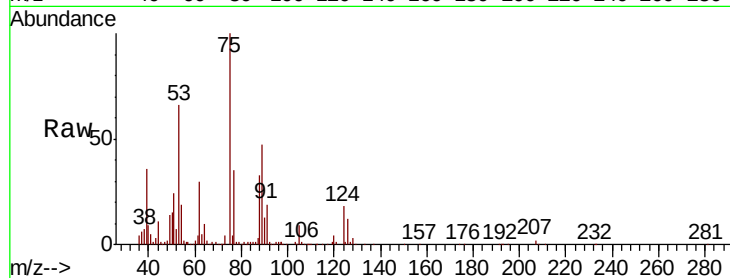




#81
trans-1,4-Dichloro-2-butene
Concen: 83.235 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

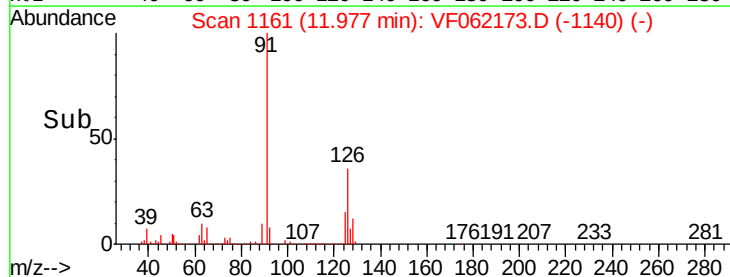
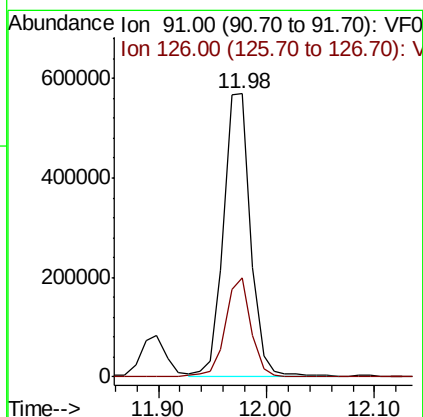
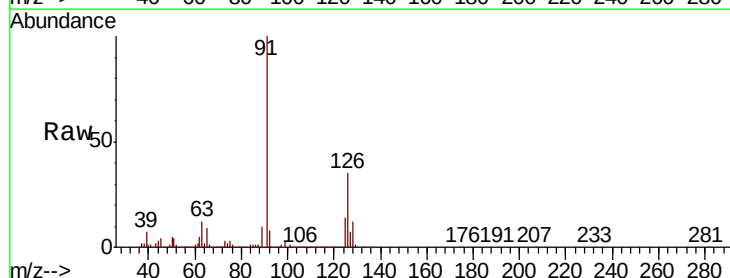
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

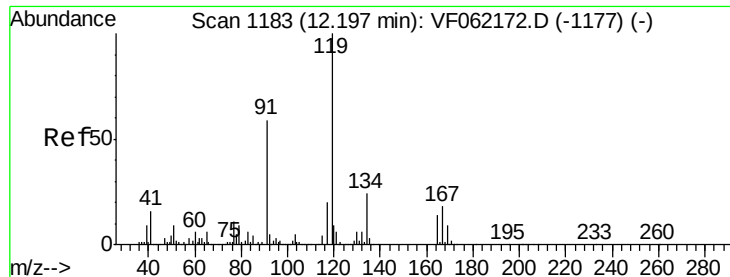
Tot Ion: 75 Resp: 121205
Ion Ratio Lower Upper
75 100
53 66.4 53.4 80.0
89 46.9 38.7 58.1



#82
4-Chlorotoluene
Concen: 66.991 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF062173.D
Acq: 16 Apr 2019 12:45

Tgt Ion: 91 Resp: 986163
Ion Ratio Lower Upper
91 100
126 35.2 15.9 47.7





#83

tert-Butylbenzene

Concen: 67.456 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

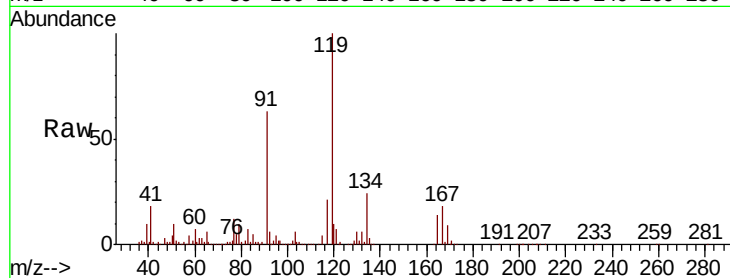
Tot Ion:119 Resp: 1252462

Ion Ratio Lower Upper

119 100

91 62.7 29.5 88.5

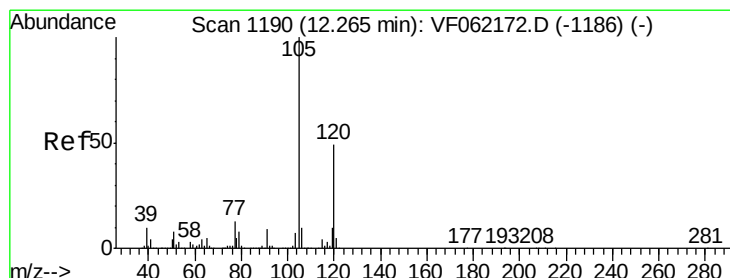
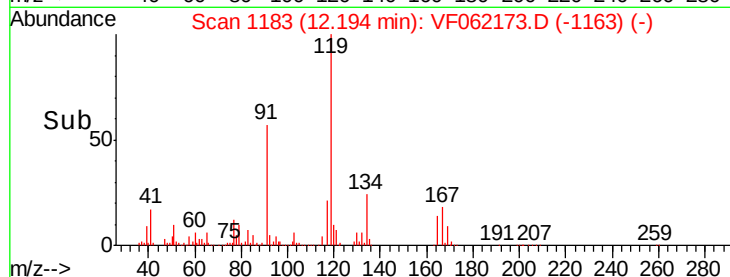
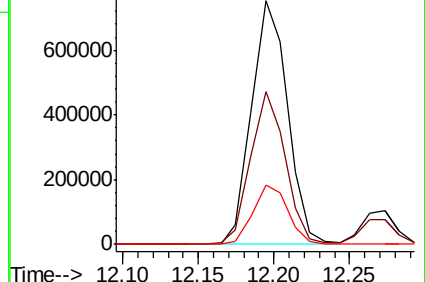
134 24.3 12.0 36.1



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: 67.523 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062173.D

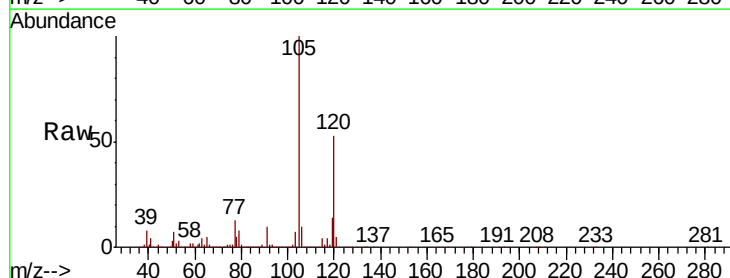
Acq: 16 Apr 2019 12:45

Tgt Ion:105 Resp: 1225313

Ion Ratio Lower Upper

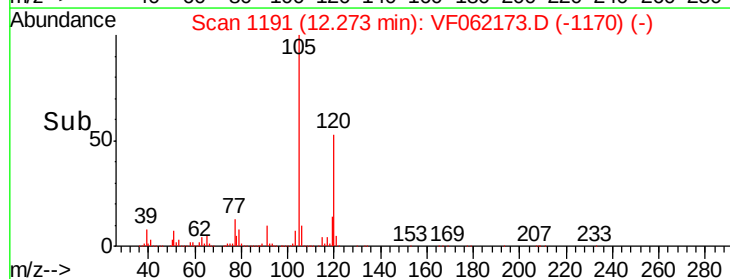
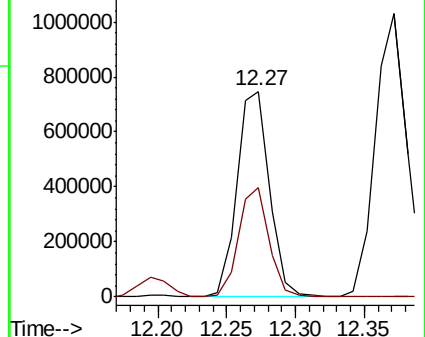
105 100

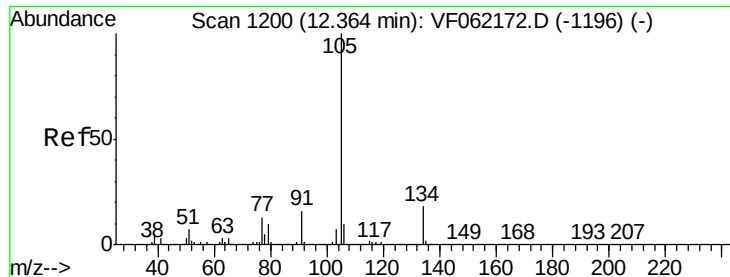
120 52.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 66.719 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

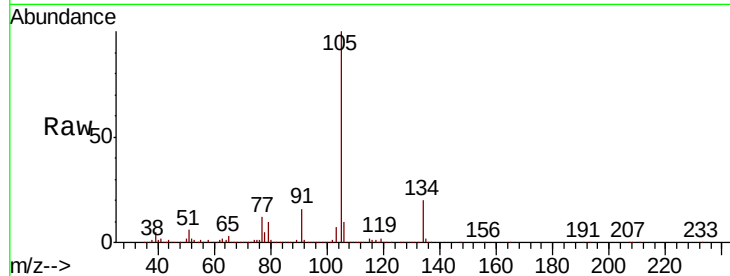
VSTDIC075

Tot Ion:105 Resp: 1628921

Ion Ratio Lower Upper

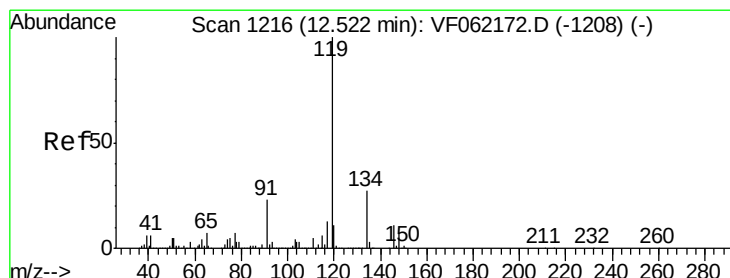
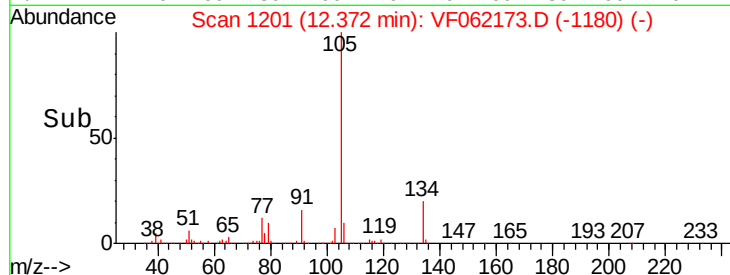
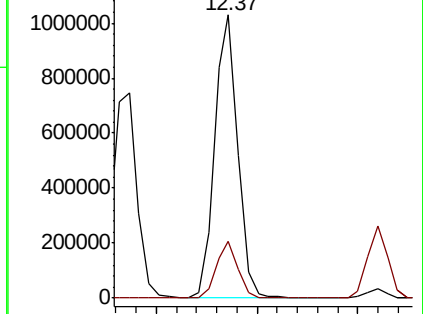
105 100

134 20.2 9.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 66.925 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

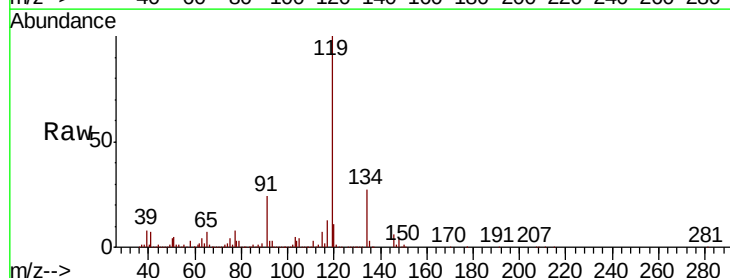
Tgt Ion:119 Resp: 1391999

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.5

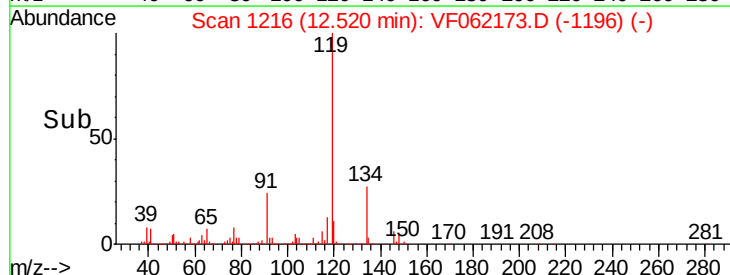
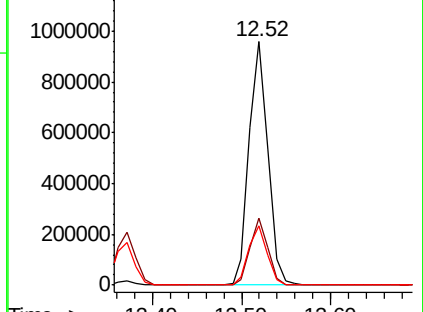
91 24.3 11.5 34.5

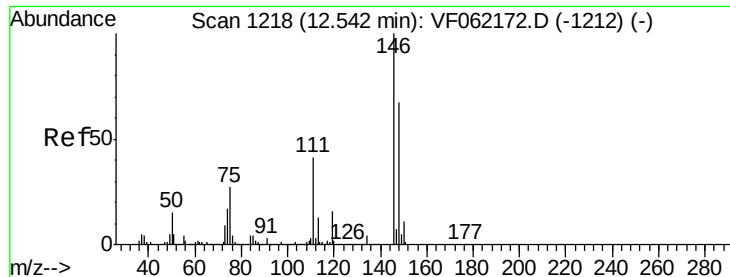


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 68.198 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

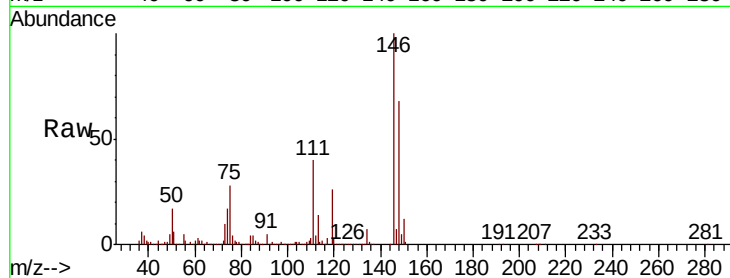
Tot Ion:146 Resp: 581769

Ion Ratio Lower Upper

146 100

111 40.3 20.5 61.6

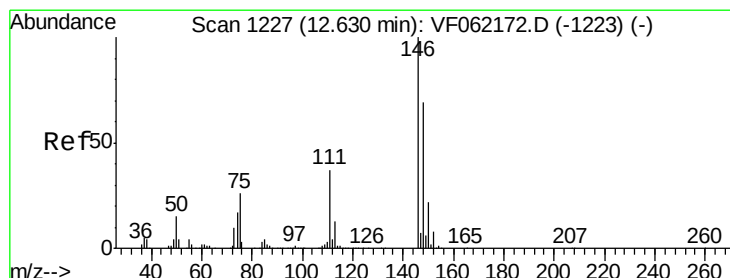
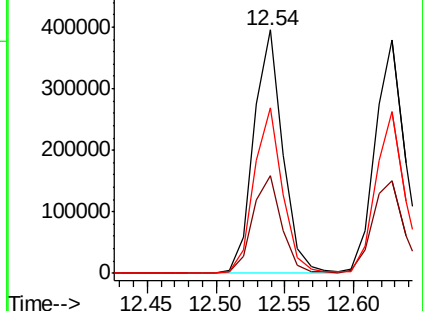
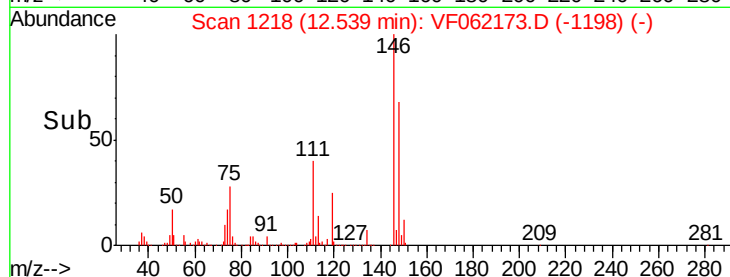
148 67.9 33.6 100.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 69.055 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

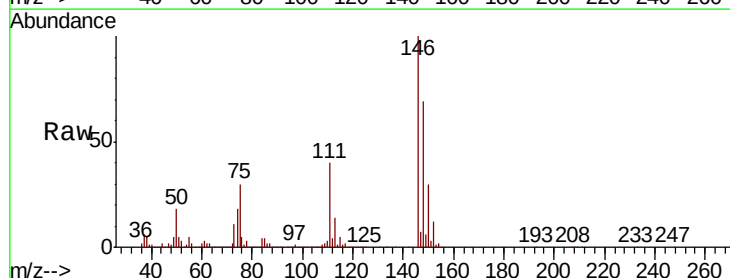
Tgt Ion:146 Resp: 574339

Ion Ratio Lower Upper

146 100

111 39.8 18.6 55.6

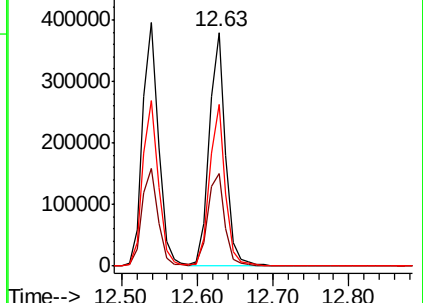
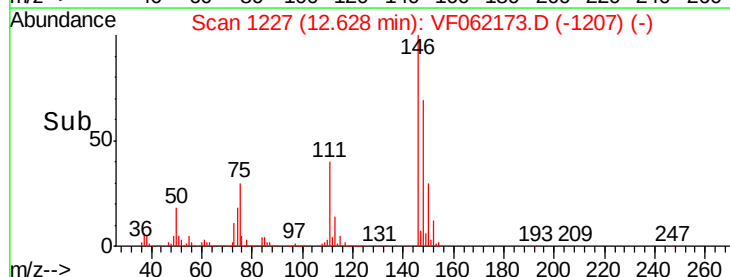
148 69.2 34.3 102.8

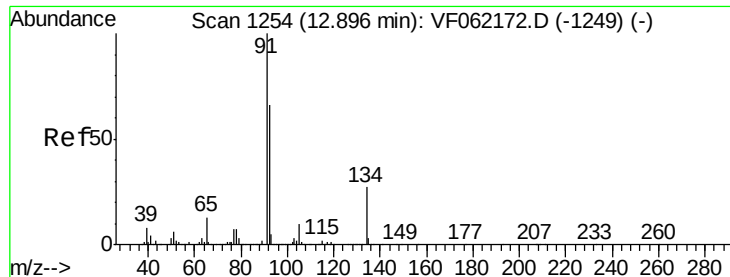


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 62.540 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

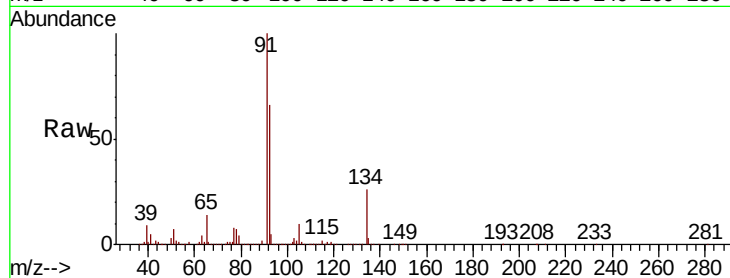
Tot Ion: 91 Resp: 1301945

Ion	Ratio	Lower	Upper
91	100		
92	66.5	32.9	98.6
134	25.8	13.4	40.2

91 100

92 66.5 32.9 98.6

134 25.8 13.4 40.2

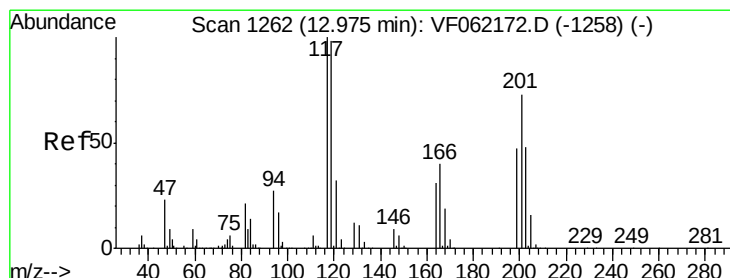
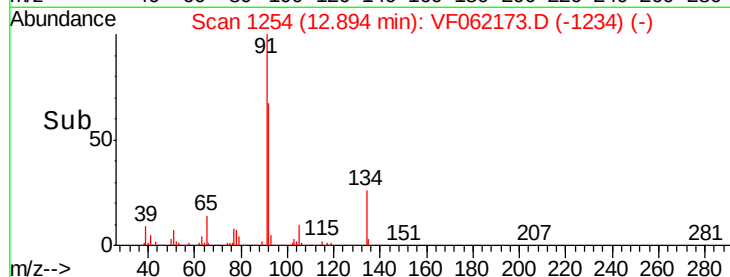
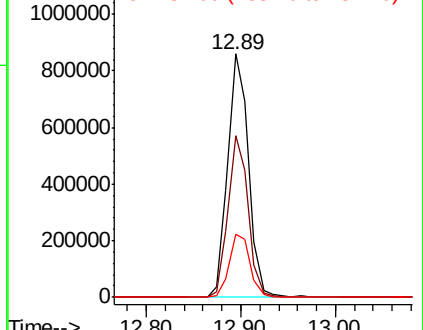


Abundance

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: 71.415 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062173.D

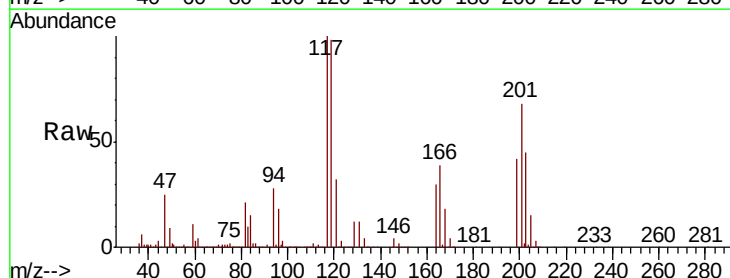
Acq: 16 Apr 2019 12:45

Tgt Ion: 117 Resp: 363855

Ion	Ratio	Lower	Upper
117	100		
201	67.7	36.7	110.1

117 100

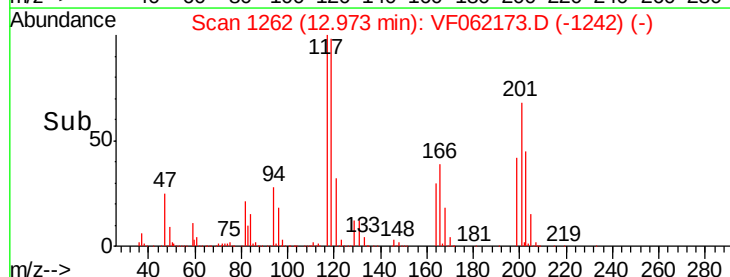
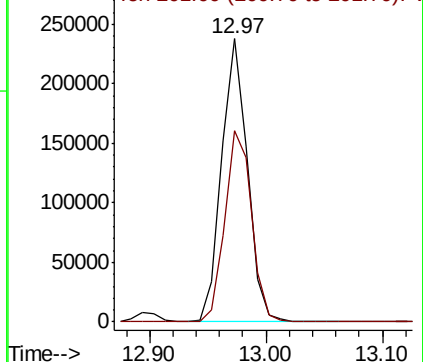
201 67.7 36.7 110.1

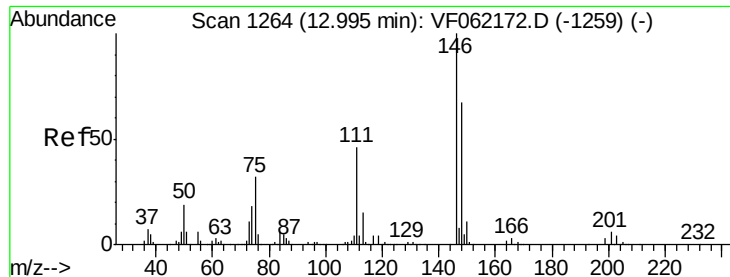


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

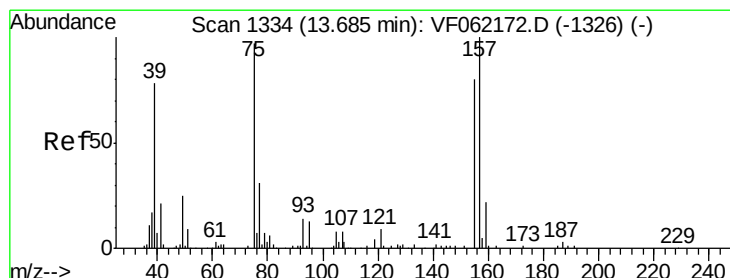
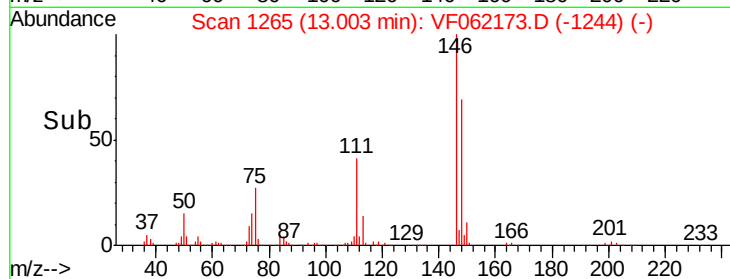
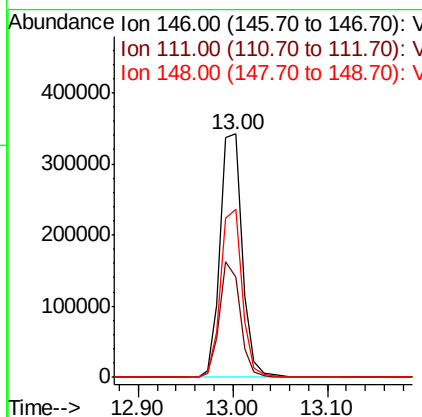
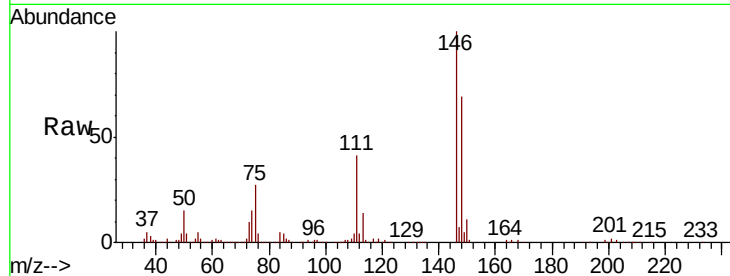




#91
 1,2-Dichlorobenzene
 Concen: 67.572 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

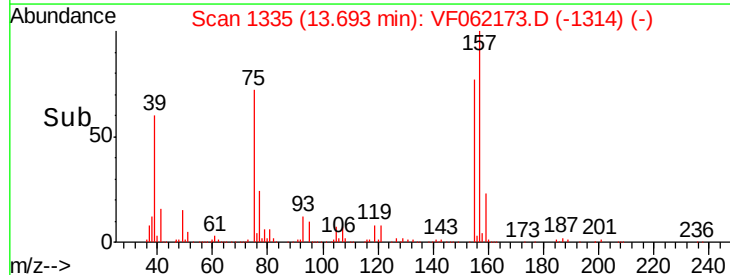
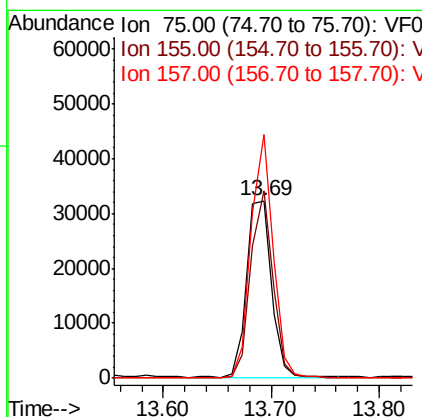
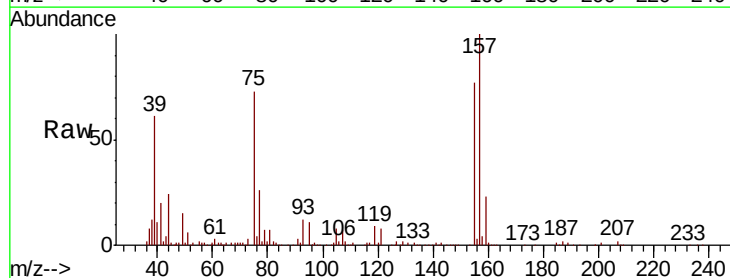
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

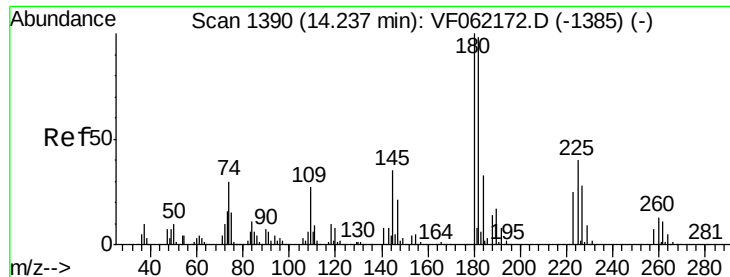
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.9	68.8
148	68.8	33.6	100.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 72.367 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.9	41.0	123.0
157	137.3	51.3	154.0

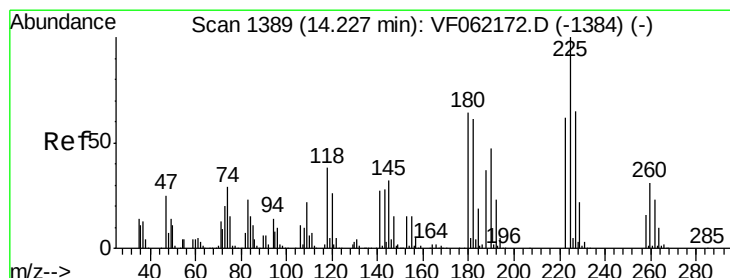
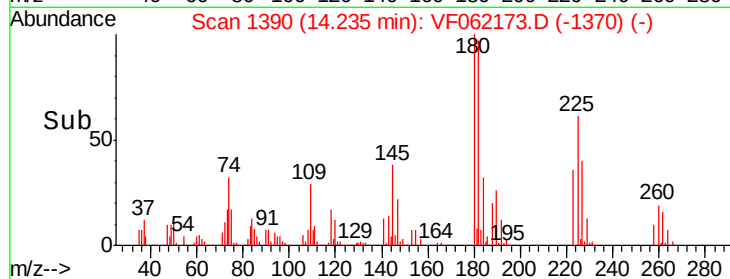
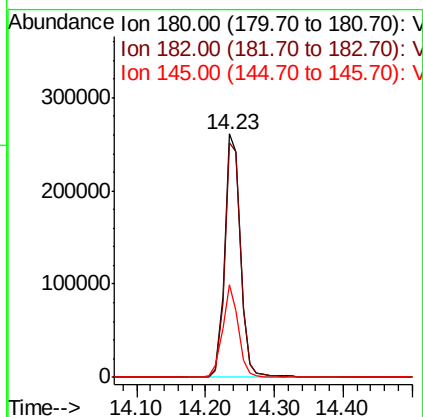
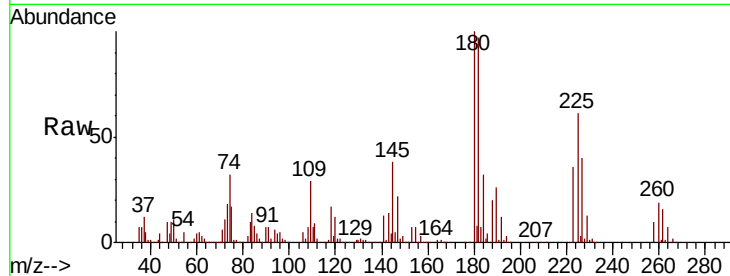




#93
 1,2,4-Trichlorobenzene
 Concen: 67.975 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

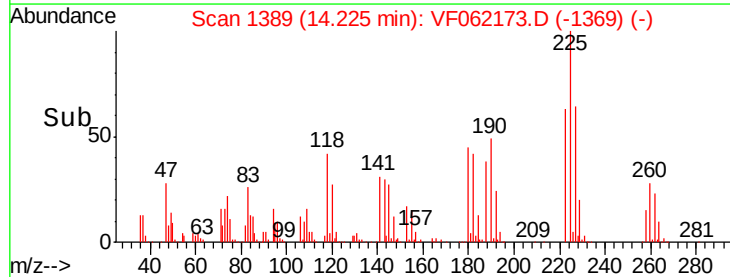
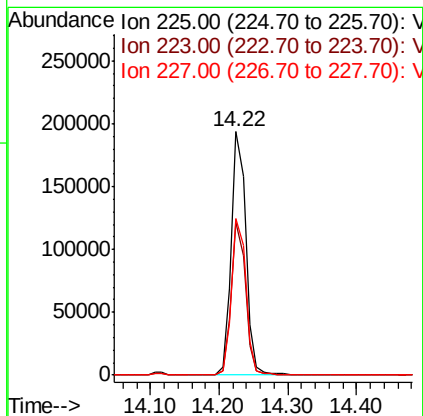
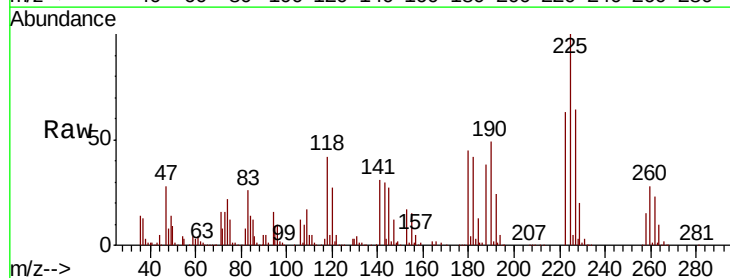
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

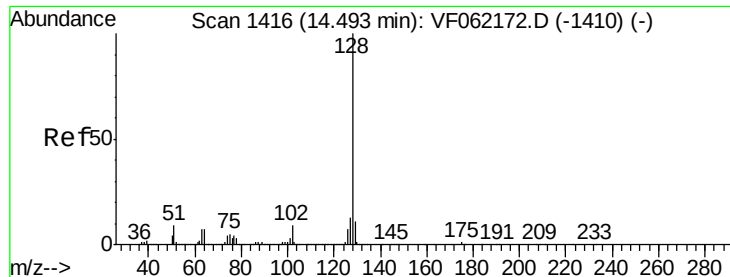
Tot Ion:180 Resp: 417942
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.8 146.4
 145 38.0 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 71.133 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062173.D
 Acq: 16 Apr 2019 12:45

Tgt Ion:225 Resp: 285027
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.7
 227 64.4 32.3 96.9





#95

Naphthalene

Concen: 74.280 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

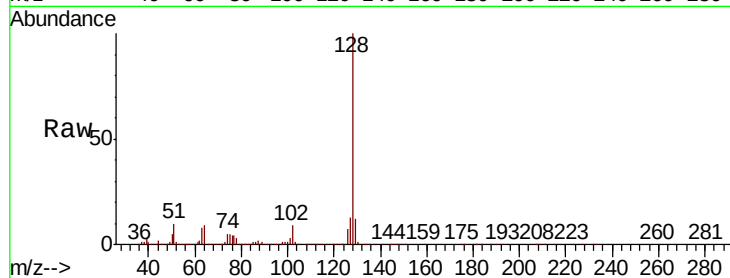
Tot Ion:128 Resp: 797903

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

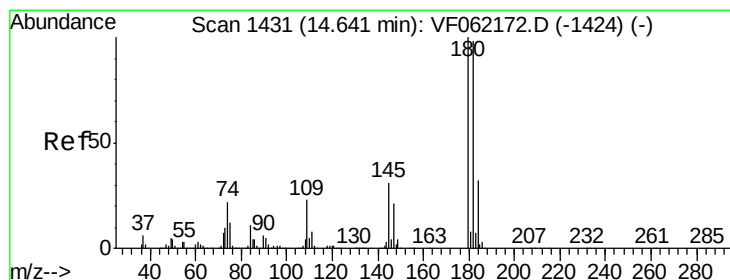
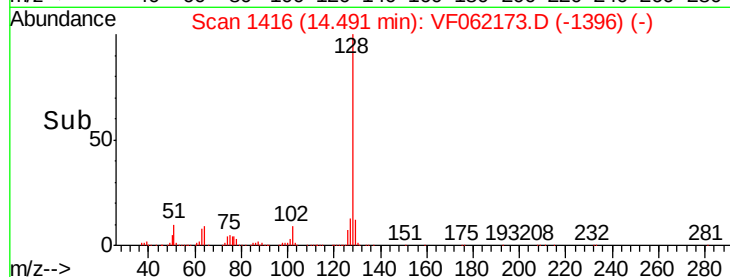
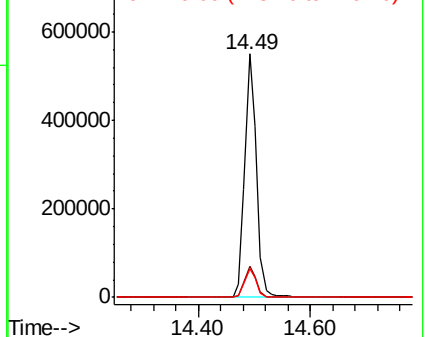
129 11.8 9.2 13.8



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: 70.047 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062173.D

Acq: 16 Apr 2019 12:45

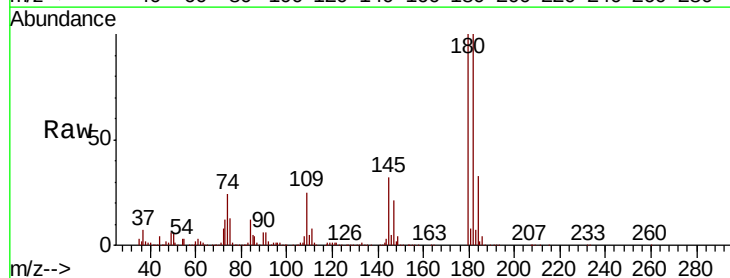
Tgt Ion:180 Resp: 401252

Ion Ratio Lower Upper

180 100

182 100.5 49.0 147.2

145 32.1 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

