

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062172.D
 Acq On : 16 Apr 2019 12:16
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 17 07:28:51 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	429496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	680838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	552055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	267803	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	211351	54.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.24%		
35) Dibromofluoromethane	4.31	113	283001	52.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.38%		
50) Toluene-d8	7.71	98	842319	53.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.34%		
62) 4-Bromofluorobenzene	11.50	95	317579	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.48%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	300701	47.635	ug/l	100
3) Chloromethane	1.14	50	354531	52.250	ug/l	100
4) Vinyl Chloride	1.19	62	304862	51.318	ug/l	100
5) Bromomethane	1.36	94	203099	53.267	ug/l	100
6) Chloroethane	1.43	64	146050	51.963	ug/l	100
7) Trichlorofluoromethane	1.55	101	360431	50.875	ug/l	100
8) Diethyl Ether	1.71	74	73531	51.447	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	235836	50.857	ug/l	100
10) Methyl Iodide	1.97	142	446592	51.664	ug/l	100
11) Tert butyl alcohol	2.68	59	52278	243.740	ug/l	100
12) 1,1-Dichloroethene	1.87	96	240445	50.985	ug/l	100
13) Acrolein	2.09	56	36085	215.770	ug/l	100
14) Allyl chloride	2.20	41	370910	52.232	ug/l	100
15) Acrylonitrile	3.09	53	179311	227.046	ug/l	100
16) Acetone	2.35	43	213796	245.063	ug/l	100
17) Carbon Disulfide	1.91	76	703866	52.480	ug/l	100
18) Methyl Acetate	2.46	43	88258	42.640	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	386041	49.212	ug/l	100
20) Methylene Chloride	2.33	84	124220	24.851	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	223381	49.506	ug/l	100
22) Diisopropyl ether	2.93	45	666314	50.480	ug/l	100
23) Vinyl Acetate	3.34	43	1693714	257.237	ug/l	100
24) 1,1-Dichloroethane	3.02	63	369519	50.271	ug/l	100
25) 2-Butanone	4.52	43	473681	252.678	ug/l	100
26) 2,2-Dichloropropane	3.78	77	184582	47.742	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	309795	51.723	ug/l	100
28) Bromochloromethane	3.90	49	184468	52.410	ug/l	100
29) Tetrahydrofuran	4.26	42	202104	242.458	ug/l	100
30) Chloroform	4.05	83	452926	49.562	ug/l	100
31) Cyclohexane	3.89	56	483306	50.935	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	320320	51.403	ug/l	100
36) 1,1-Dichloropropene	4.47	75	376459	49.766	ug/l	100
37) Ethyl Acetate	4.30	43	165446	47.466	ug/l	100
38) Carbon Tetrachloride	4.18	117	389251	58.835	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	467436	49.310	ug/l	100
40) Benzene	4.82	78	972544	48.671	ug/l	100
41) Methacrylonitrile	4.93	41	94306	45.029	ug/l	100
42) 1,2-Dichloroethane	5.13	62	256822	50.782	ug/l	100
43) Isopropyl Acetate	7.11	43	193688	47.814	ug/l	100
44) Trichloroethene	5.68	130	260220	48.655	ug/l	100
45) 1,2-Dichloropropane	6.41	63	236762	48.299	ug/l	100
46) Dibromomethane	6.26	93	144407	48.853	ug/l	100
47) Bromodichloromethane	6.55	83	327607	48.920	ug/l	100
48) Methyl methacrylate	6.87	41	127043	48.181	ug/l	100
49) 1,4-Dioxane	6.86	88	20550	1000.139	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	706126	227.542	ug/l	100
52) Toluene	7.78	92	565280	48.156	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	278386	47.993	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	361021	48.946	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	164787	49.015	ug/l	100
56) Ethyl methacrylate	8.76	69	189694	47.450	ug/l	100
57) 1,3-Dichloropropane	8.99	76	262988	47.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	224181	217.647	ug/l	100
59) 2-Hexanone	9.62	43	456460	231.120	ug/l	100
60) Dibromochloromethane	8.85	129	226777	49.025	ug/l	100
61) 1,2-Dibromoethane	9.13	107	175704	48.849	ug/l	100
64) Tetrachloroethene	8.30	164	223013	49.461	ug/l	100
65) Chlorobenzene	9.93	112	571818	49.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	232086	48.951	ug/l	100
67) Ethyl Benzene	10.03	91	1063667	49.966	ug/l	100
68) m/p-Xylenes	10.25	106	779780	99.487	ug/l	100
69) o-Xylene	10.82	106	420450	49.556	ug/l	100
70) Styrene	10.90	104	609924	49.452	ug/l	100
71) Bromoform	10.88	173	118244	47.623	ug/l	100
73) Isopropylbenzene	11.21	105	1170714	50.743	ug/l	100
74) N-amyl acetate	11.45	43	278030	46.234	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	202996	49.392	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	138431	49.710	ug/l	100
77) Bromobenzene	11.58	156	238681	49.745	ug/l	100
78) n-propylbenzene	11.67	91	1287613	49.100	ug/l	100
79) 2-Chlorotoluene	11.79	91	779881	50.451	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	958037	49.789	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	86493	57.719	ug/l	100
82) 4-Chlorotoluene	11.97	91	760209	50.183	ug/l	100
83) tert-Butylbenzene	12.20	119	961152	50.304	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	921451	49.344	ug/l	100
85) sec-Butylbenzene	12.36	105	1255023	49.952	ug/l	100
86) p-Isopropyltoluene	12.52	119	1063011	49.664	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	432907	49.314	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	424609	49.610	ug/l	100
89) n-Butylbenzene	12.90	91	1041329	48.608	ug/l	100
90) Hexachloroethane	12.98	117	263319	50.223	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	407902	48.418	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	36051	48.704	ug/l	100

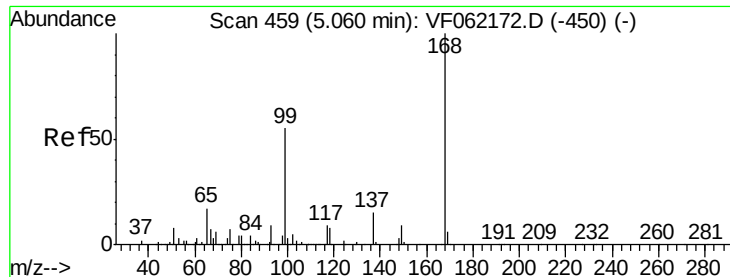
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	306245	48.402	ug/l	100
94) Hexachlorobutadiene	14.23	225	204767	49.659	ug/l	100
95) Naphthalene	14.49	128	539269	48.784	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	292885	49.685	ug/l	100

(#) = 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: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

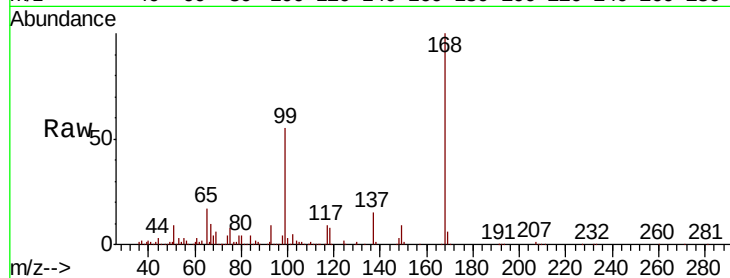
VSTDICCC050

Tot Ion:168 Resp: 429496

Ion Ratio Lower Upper

168 100

99 55.3 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

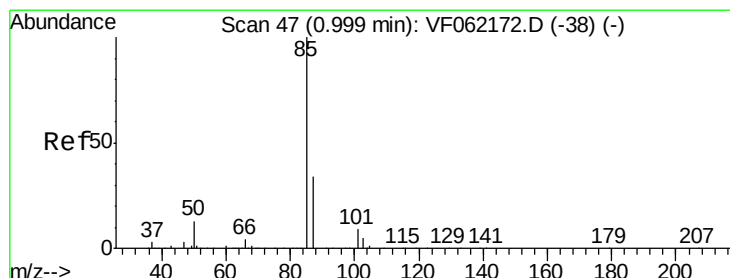
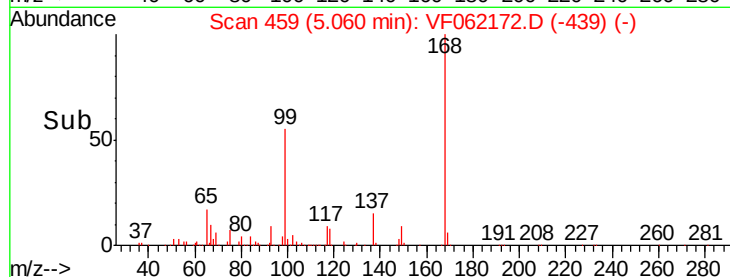
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 47.635 ug/l

RT: 1.00 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF062172.D

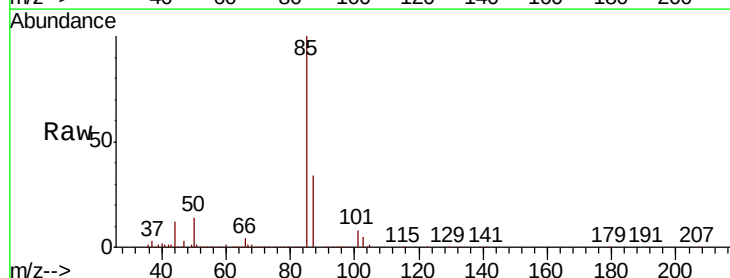
Acq: 16 Apr 2019 12:16

Tgt Ion: 85 Resp: 300701

Ion Ratio Lower Upper

85 100

87 33.7 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

100000

80000

60000

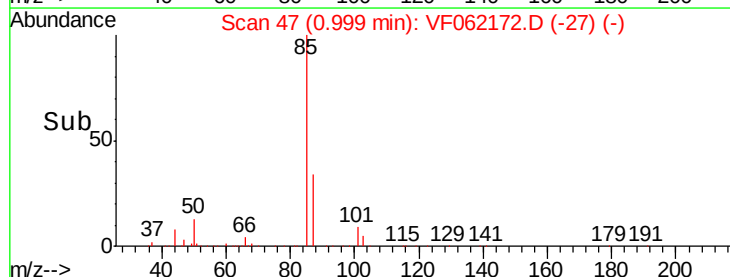
40000

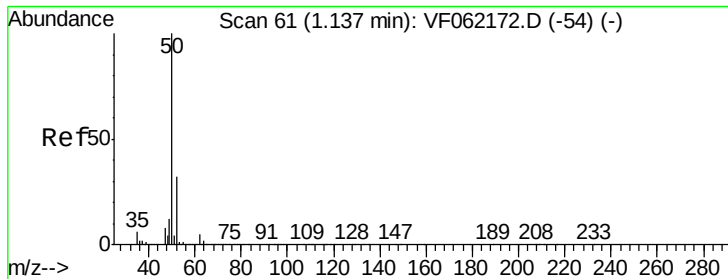
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 52.250 ug/l

RT: 1.14 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

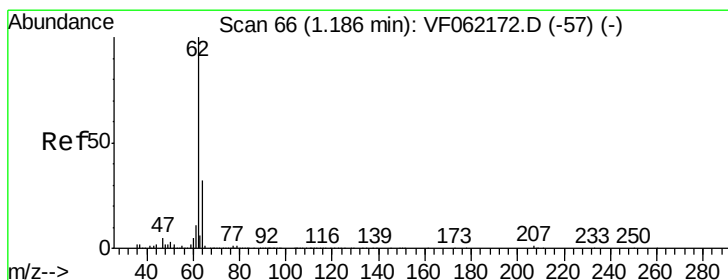
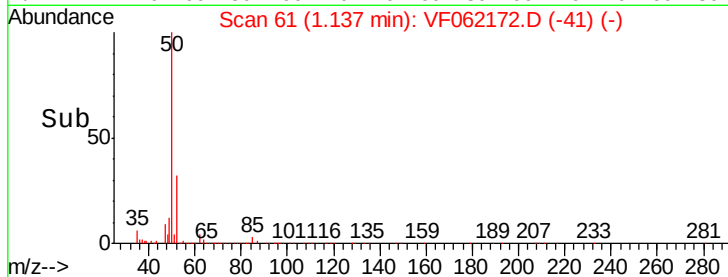
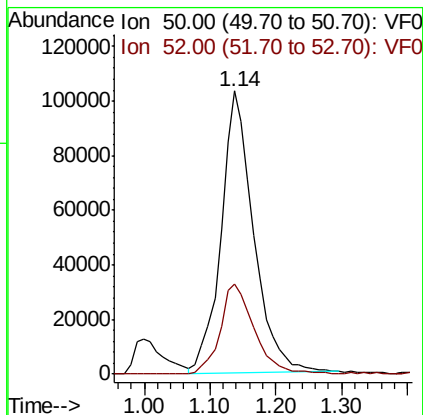
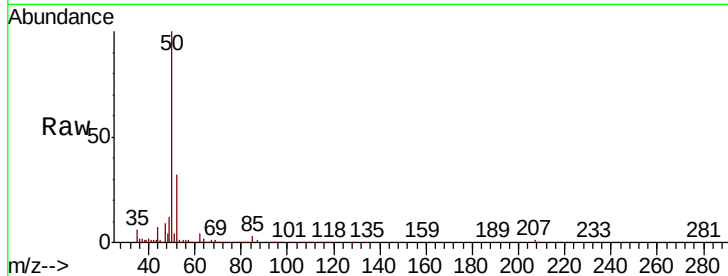
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 50 Resp: 354531

Ion Ratio Lower Upper

50 100

52 31.8 25.4 38.2



#4

Vinyl Chloride

Concen: 51.318 ug/l

RT: 1.19 min Scan# 66

Delta R.T. 0.00 min

Lab File: VF062172.D

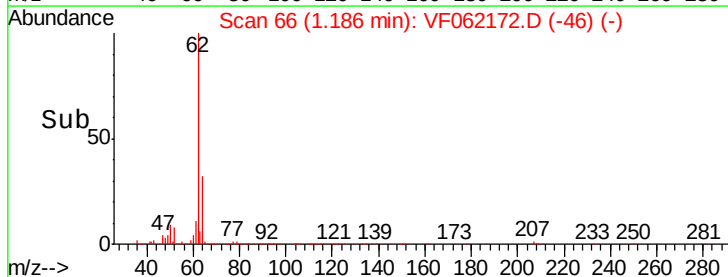
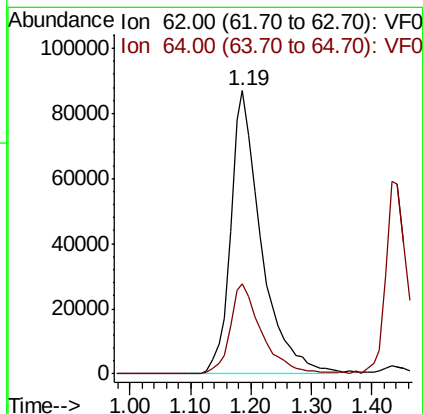
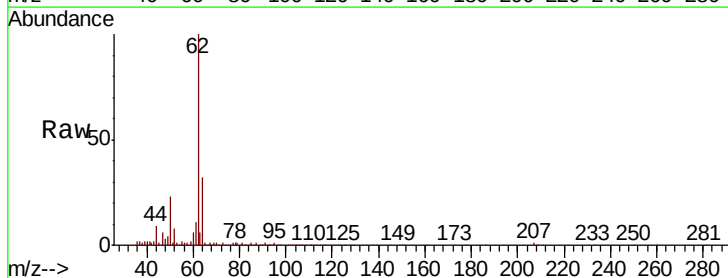
Acq: 16 Apr 2019 12:16

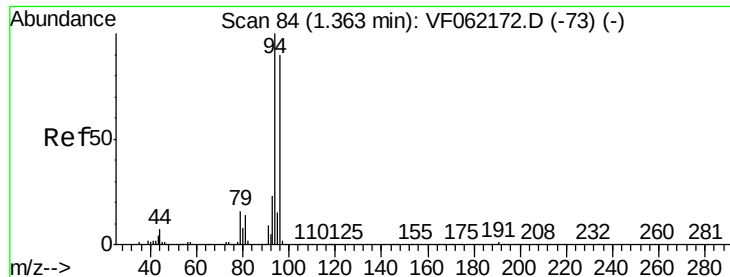
Tgt Ion: 62 Resp: 304862

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 53.267 ug/l

RT: 1.36 min Scan# 84

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

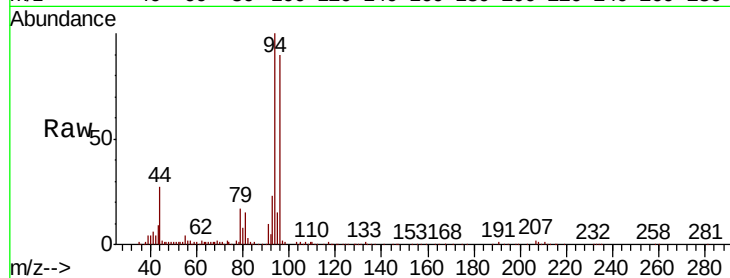
VSTDICCC050

Tot Ion: 94 Resp: 203099

Ion Ratio Lower Upper

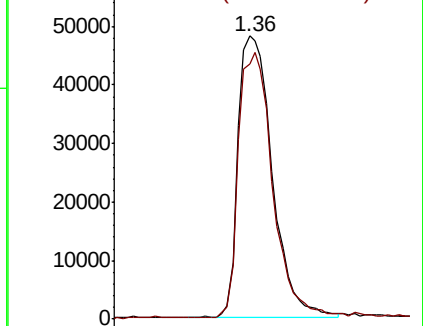
94 100

96 90.4 72.3 108.5

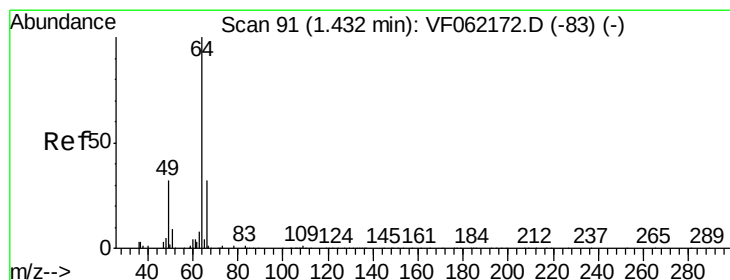
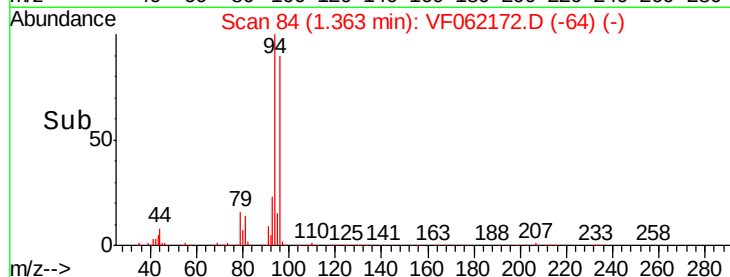


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time-->



#6

Chloroethane

Concen: 51.963 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF062172.D

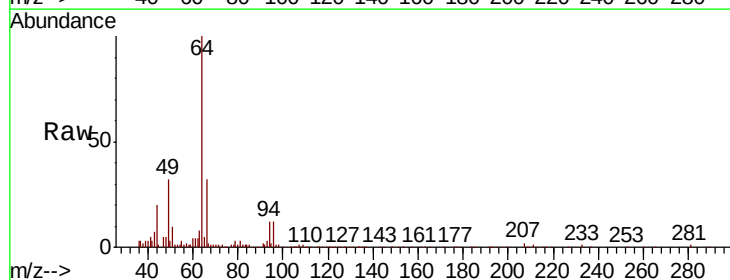
Acq: 16 Apr 2019 12:16

Tgt Ion: 64 Resp: 146050

Ion Ratio Lower Upper

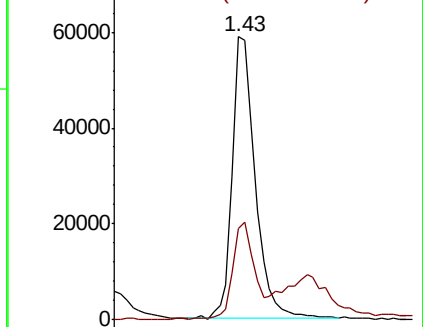
64 100

66 32.1 25.7 38.5

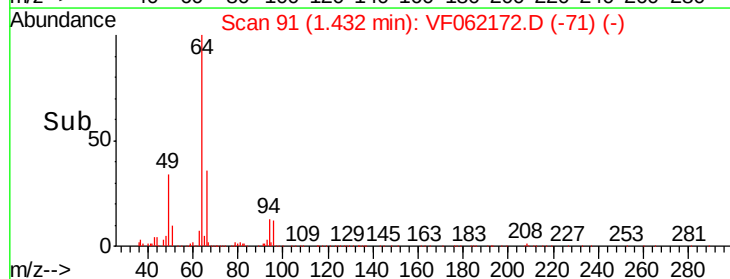


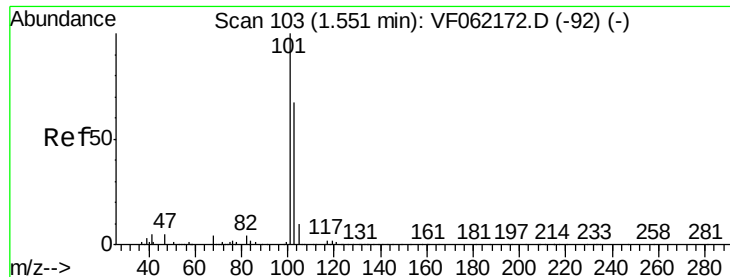
Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->



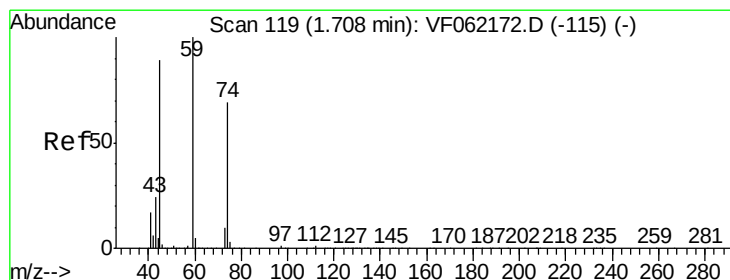
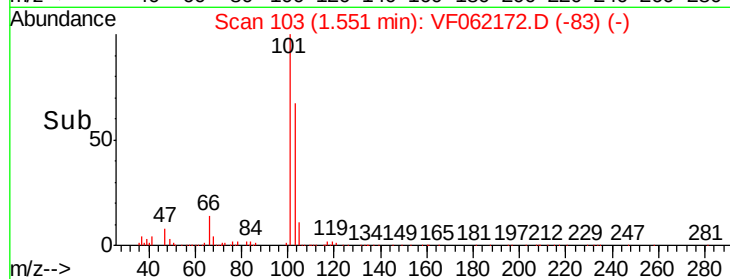
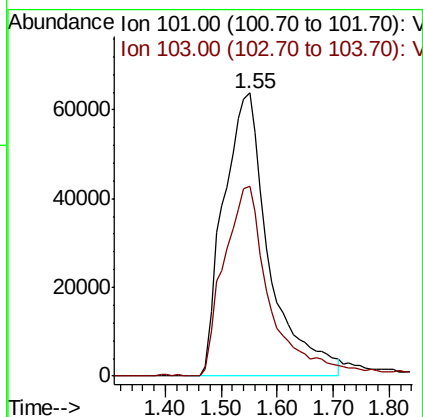
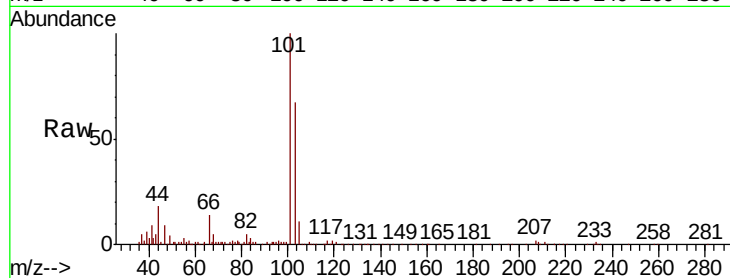


#7

Trichlorofluoromethane
Concen: 50.875 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Instrument :
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ClientSampleId :
VSTDICCC050

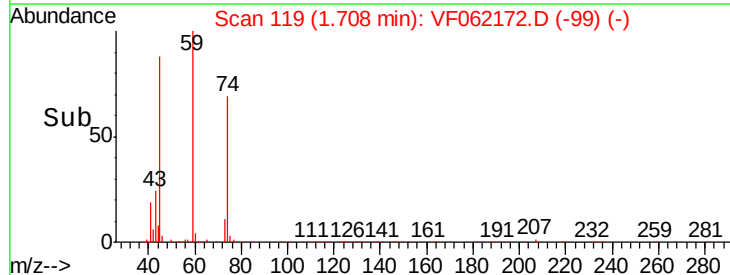
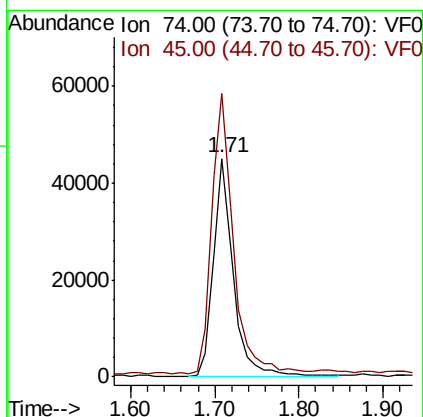
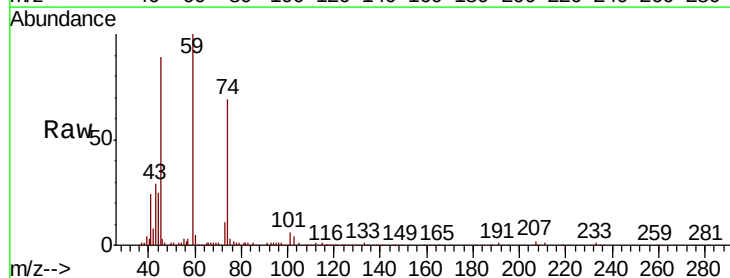
Tot Ion:101 Resp: 360431
Ion Ratio Lower Upper
101 100
103 67.1 53.7 80.5

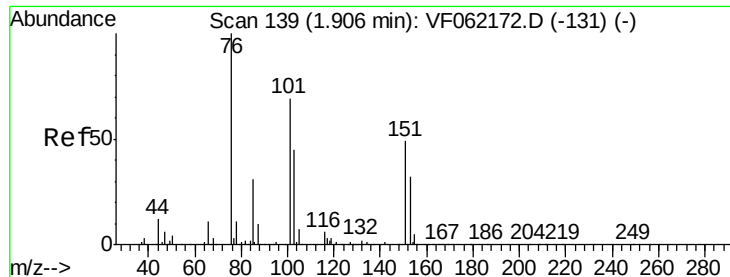


#8

Diethyl Ether
Concen: 51.447 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion: 74 Resp: 73531
Ion Ratio Lower Upper
74 100
45 129.4 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.857 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

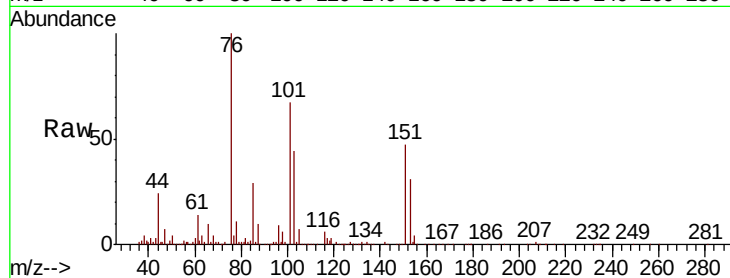
Tot Ion:101 Resp: 235836

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

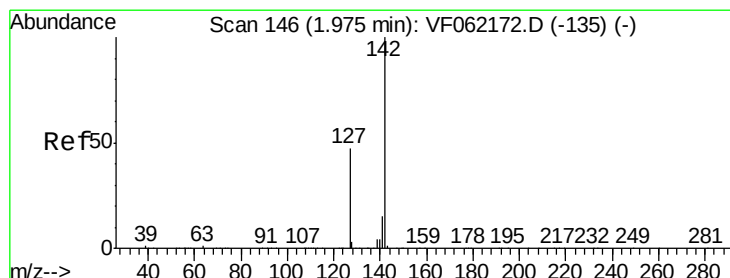
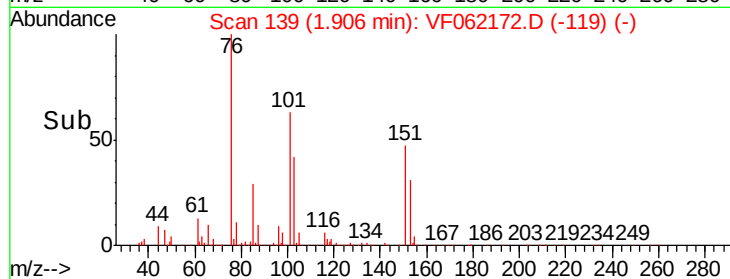
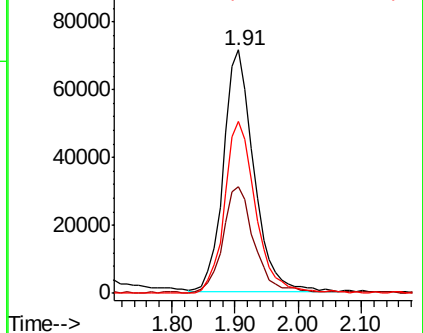
151 70.8 56.6 85.0



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: 51.664 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

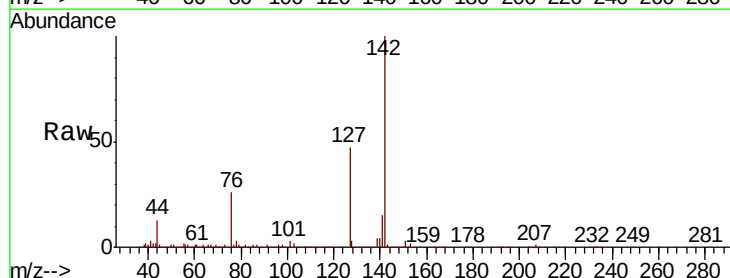
Tgt Ion:142 Resp: 446592

Ion Ratio Lower Upper

142 100

127 47.2 37.8 56.6

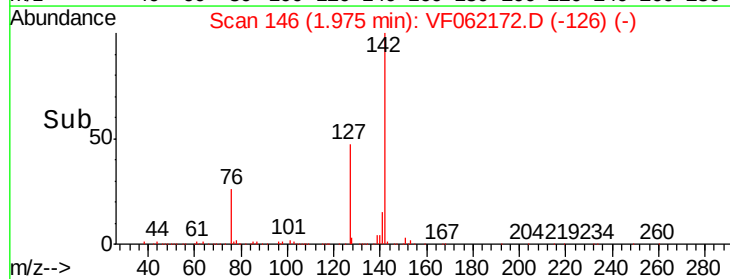
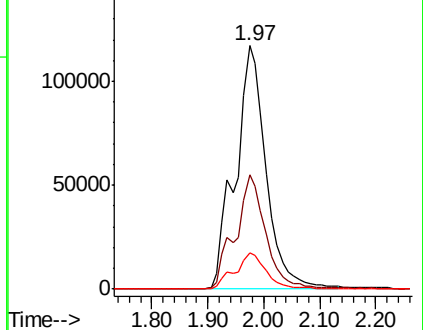
141 15.1 12.1 18.1

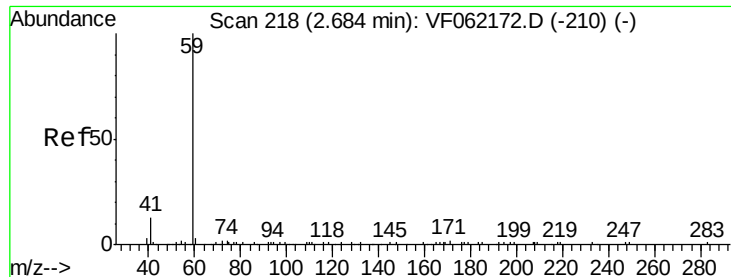


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



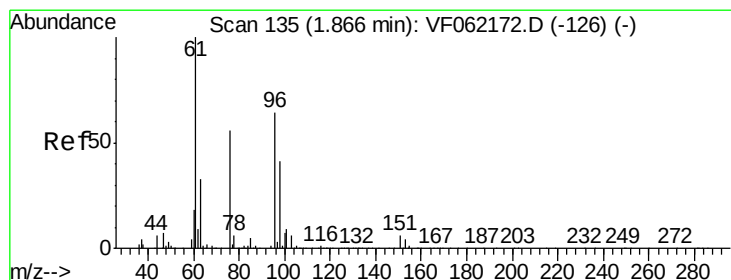
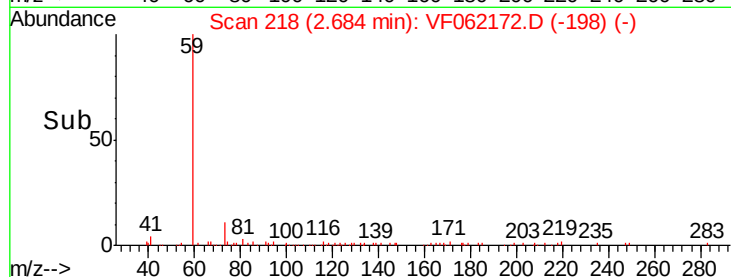
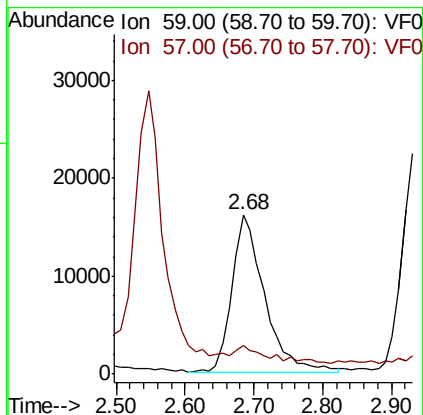
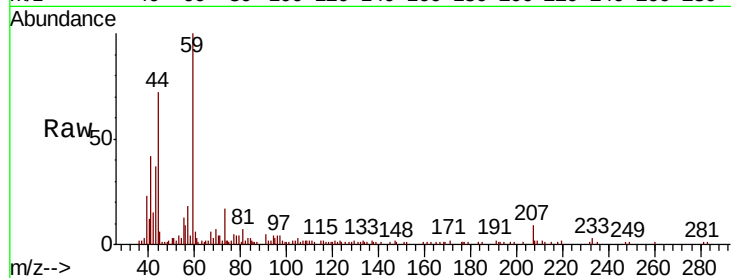


#11

Tert butyl alcohol
 Concen: 243.740 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

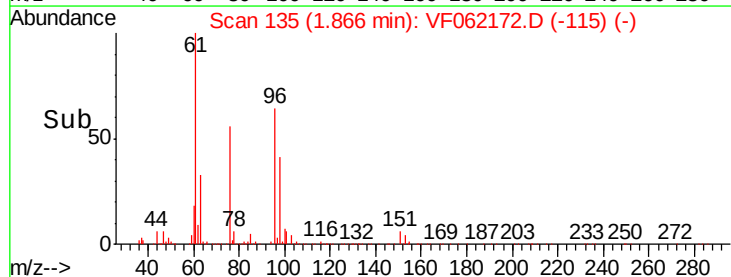
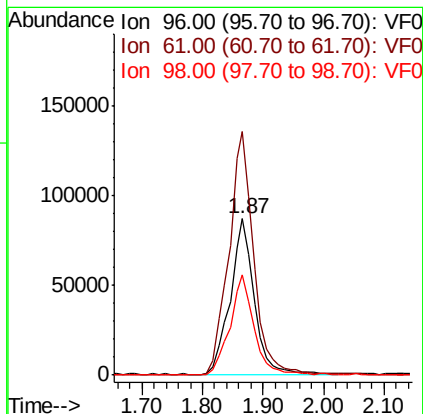
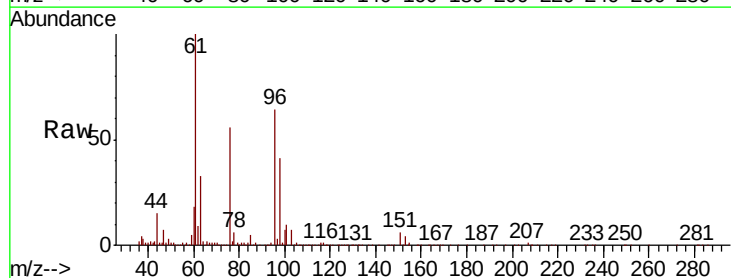
Tot Ion: 59 Resp: 52278
 Ion Ratio Lower Upper
 59 100
 57 17.8 14.2 21.4

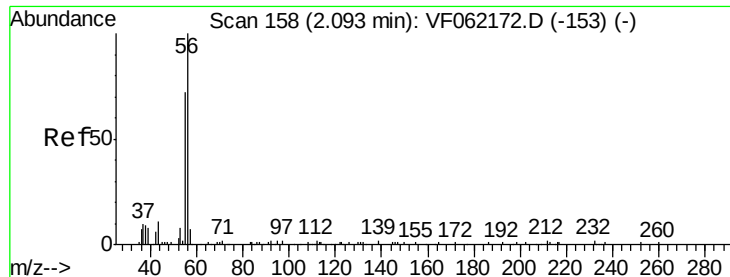


#12

1,1-Dichloroethene
 Concen: 50.985 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion: 96 Resp: 240445
 Ion Ratio Lower Upper
 96 100
 61 155.8 124.6 187.0
 98 64.4 51.5 77.3





#13

Acrolein

Concen: 215.770 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

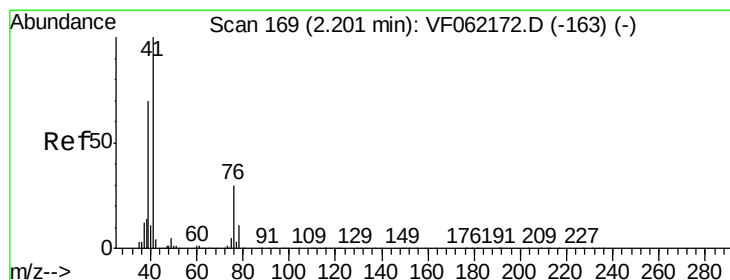
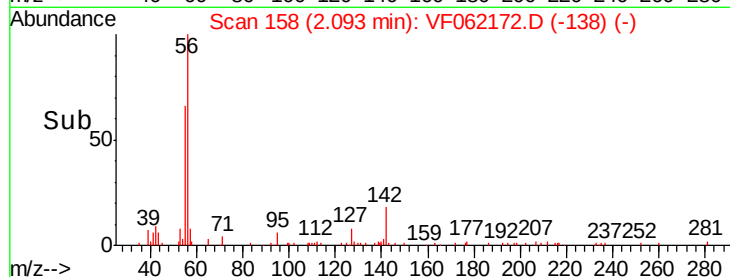
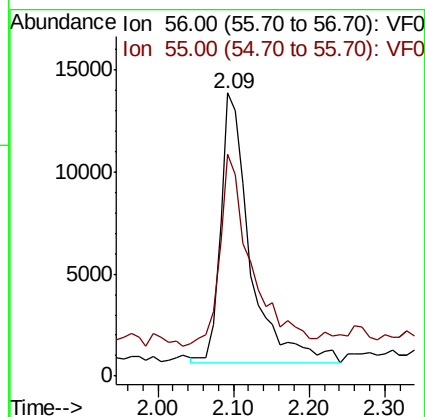
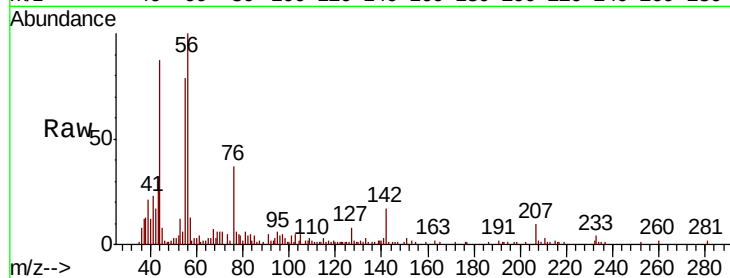
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 36085

Ion Ratio Lower Upper

56 100

55 78.6 62.9 94.3



#14

Allyl chloride

Concen: 52.232 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

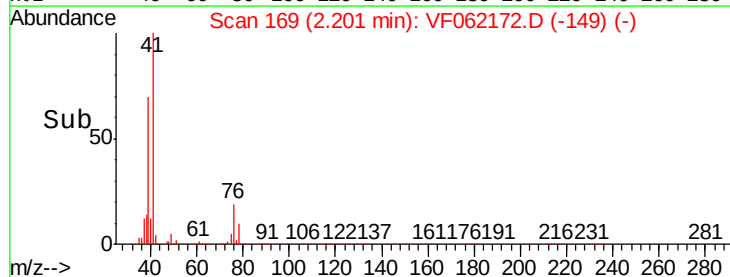
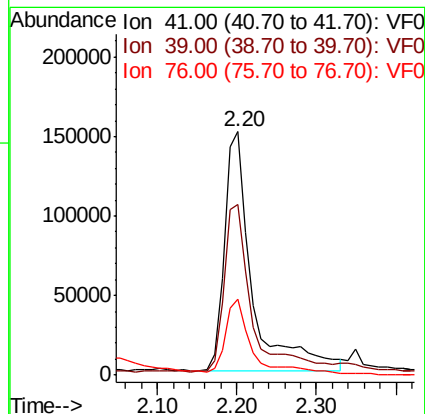
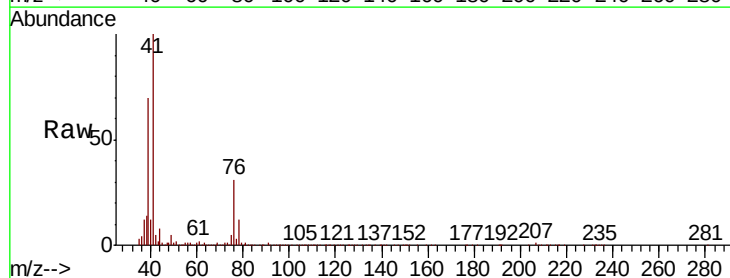
Tgt Ion: 41 Resp: 370910

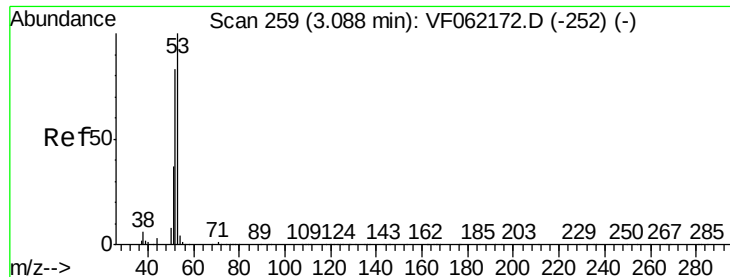
Ion Ratio Lower Upper

41 100

39 70.1 56.1 84.1

76 31.1 24.9 37.3





#15

Acrylonitrile

Concen: 227.046 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

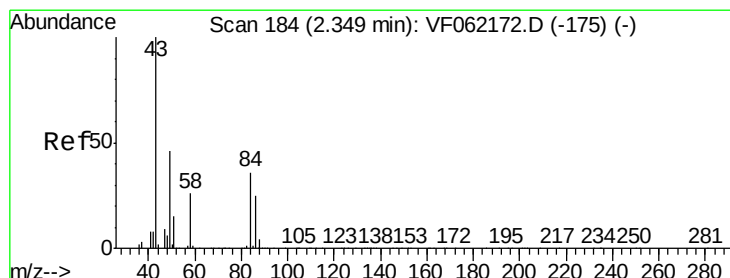
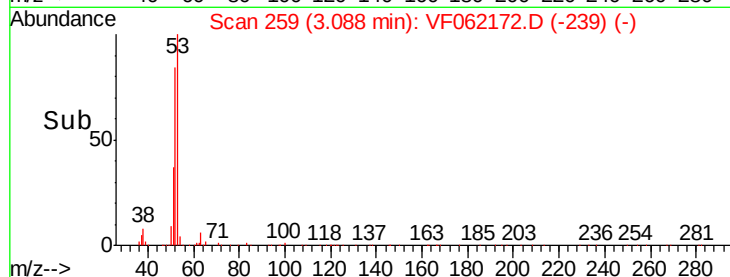
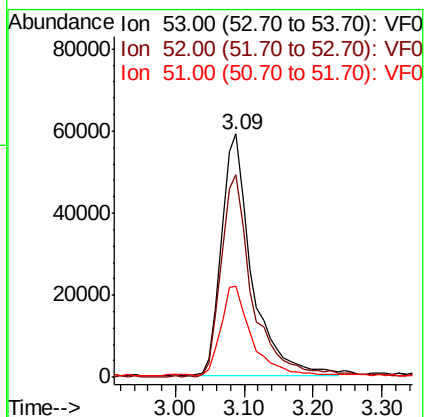
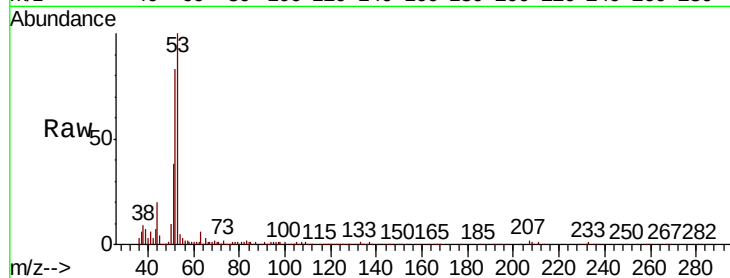
Tot Ion: 53 Resp: 179311

Ion Ratio Lower Upper

53 100

52 83.2 66.6 99.8

51 37.6 30.1 45.1



#16

Acetone

Concen: 245.063 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF062172.D

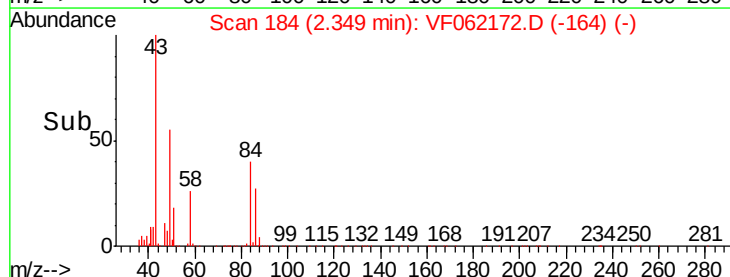
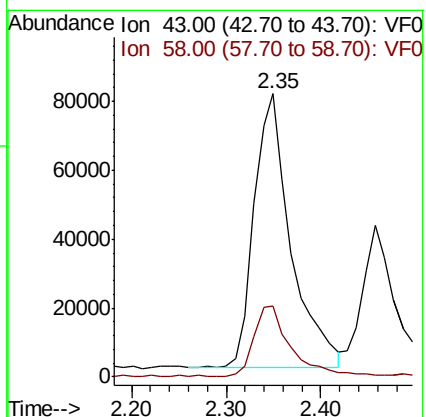
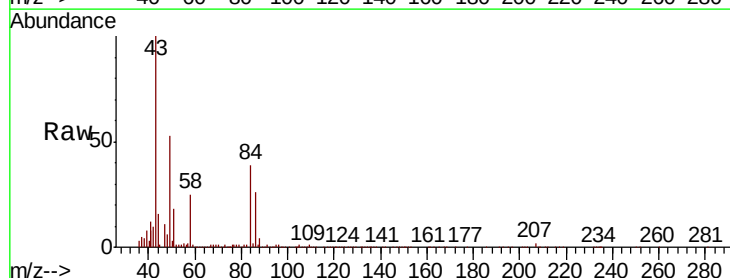
Acq: 16 Apr 2019 12:16

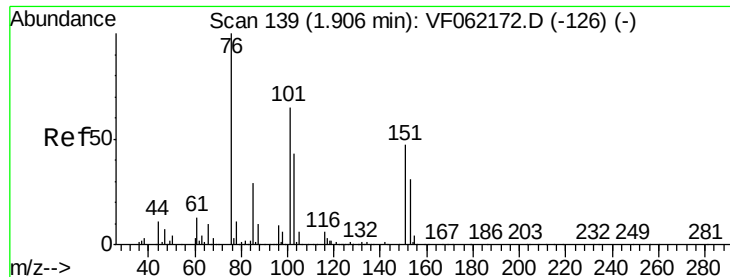
Tgt Ion: 43 Resp: 213796

Ion Ratio Lower Upper

43 100

58 25.2 20.2 30.2





#17

Carbon Disulfide

Concen: 52.480 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

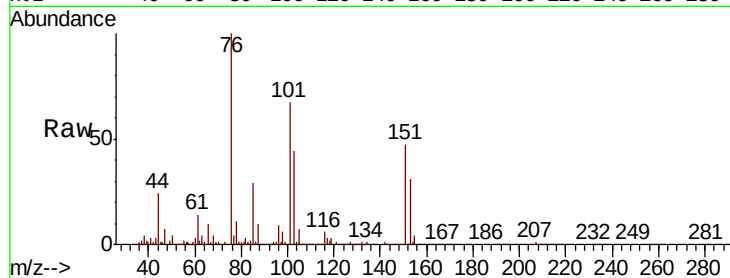
VSTDICCC050

Tot Ion: 76 Resp: 703866

Ion Ratio Lower Upper

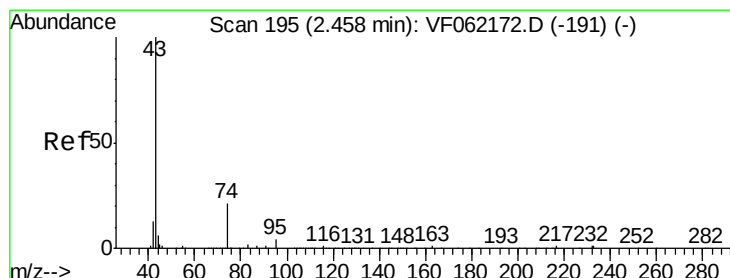
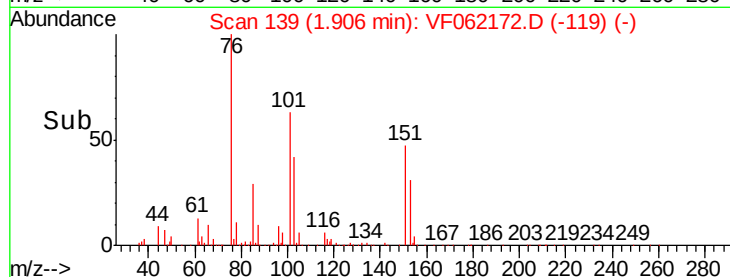
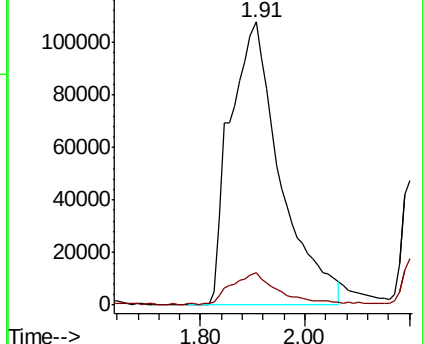
76 100

78 11.4 9.1 13.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 42.640 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF062172.D

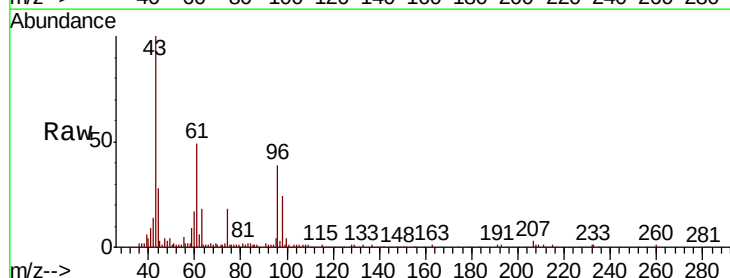
Acq: 16 Apr 2019 12:16

Tgt Ion: 43 Resp: 88258

Ion Ratio Lower Upper

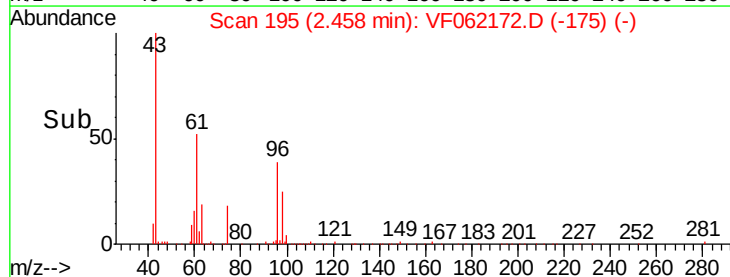
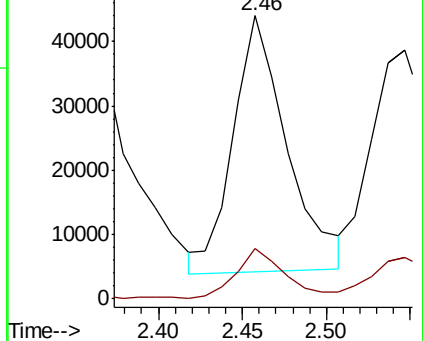
43 100

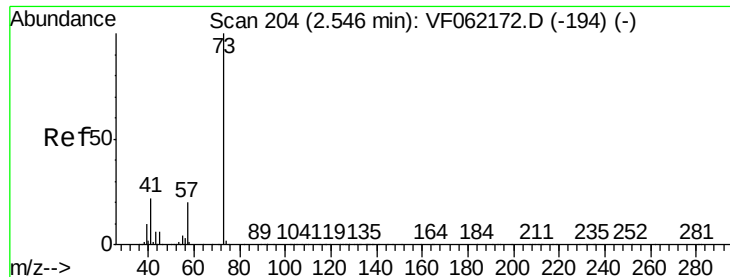
74 17.8 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



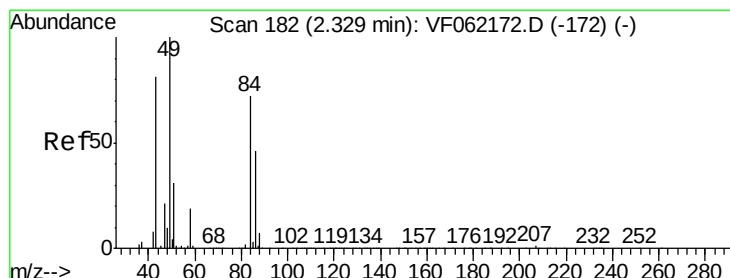
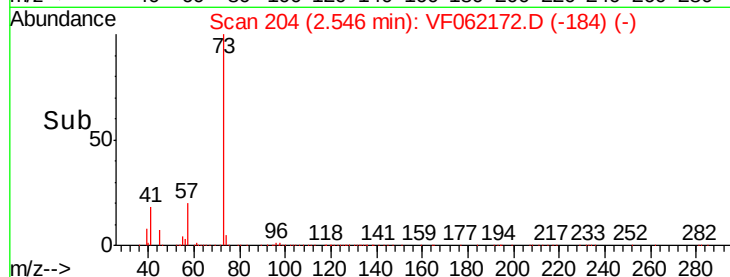
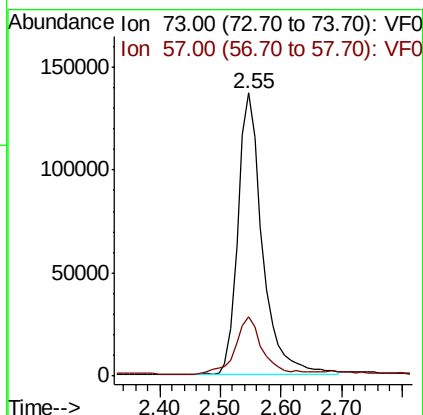
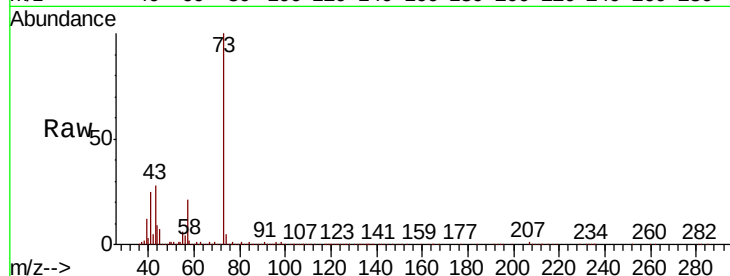


#19

Methyl tert-butyl Ether
 Concen: 49.212 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

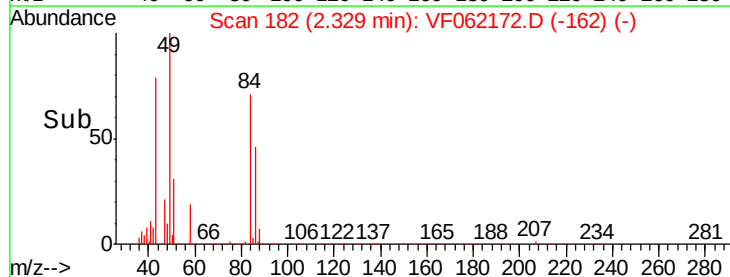
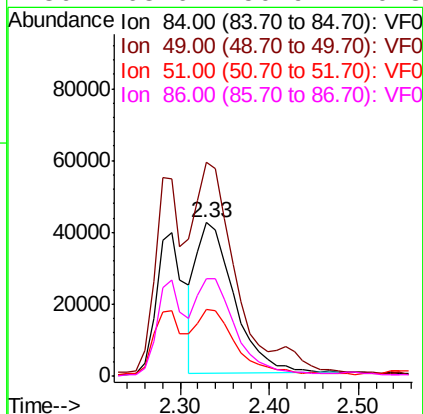
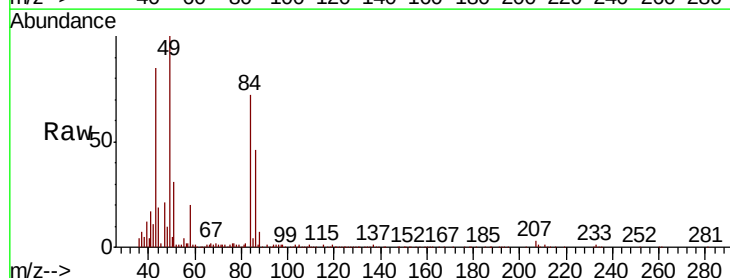
Tot Ion: 73 Resp: 386041
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.8 25.2

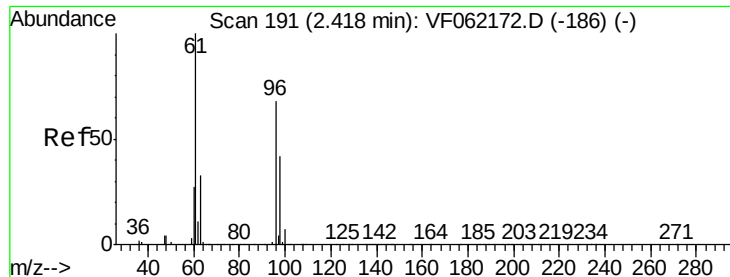


#20

Methylene Chloride
 Concen: 24.851 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion: 84 Resp: 124220
 Ion Ratio Lower Upper
 84 100
 49 139.4 111.5 167.3
 51 43.6 34.9 52.3
 86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.506 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

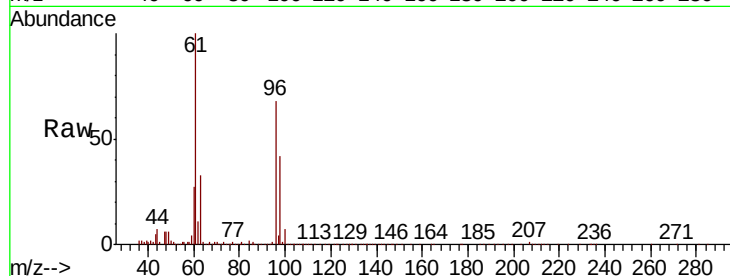
Tot Ion: 96 Resp: 223381

Ion Ratio Lower Upper

96 100

61 146.8 117.4 176.2

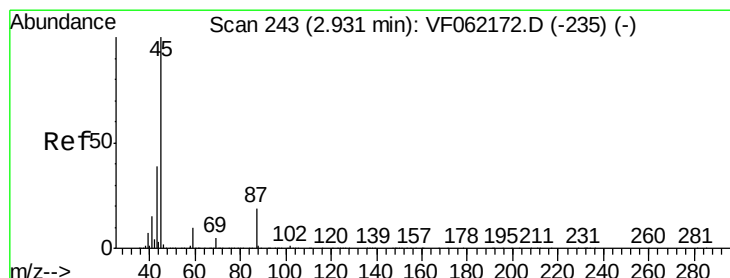
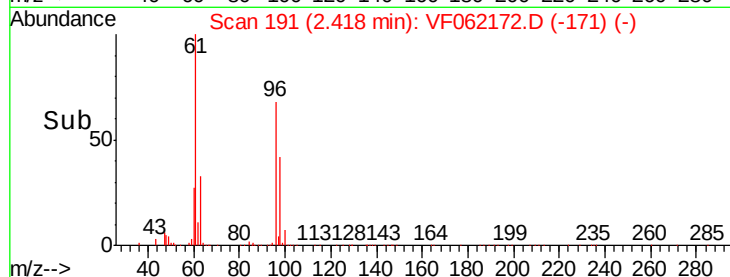
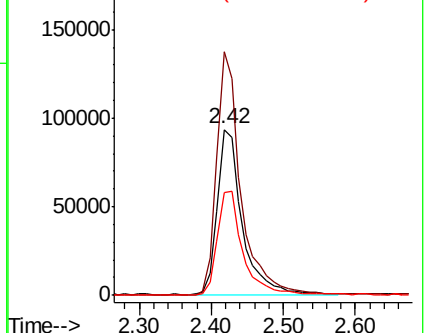
98 62.3 49.8 74.8



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



#22

Diisopropyl ether

Concen: 50.480 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Tgt Ion: 45 Resp: 666314

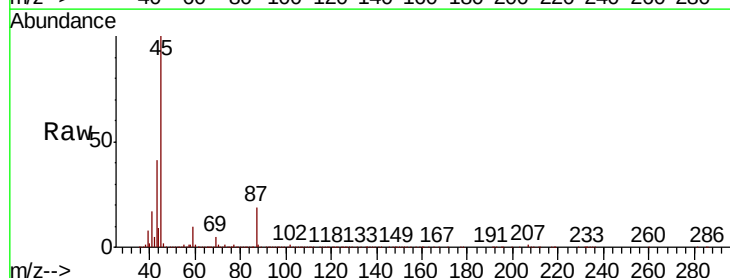
Ion Ratio Lower Upper

45 100

43 40.6 32.5 48.7

87 18.6 14.9 22.3

59 9.8 7.8 11.8

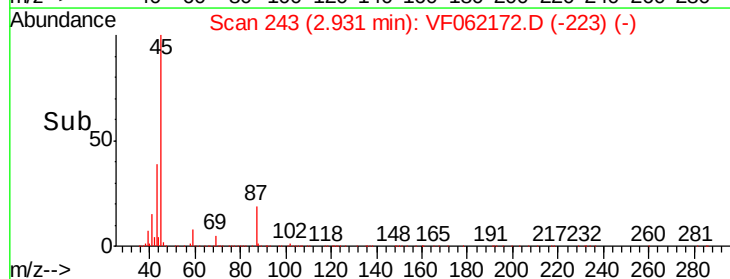
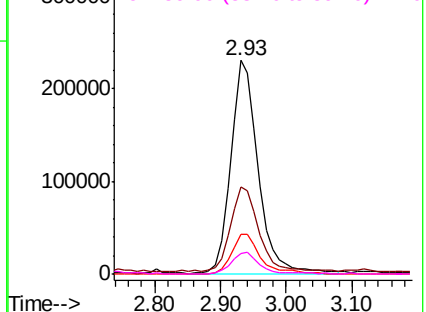


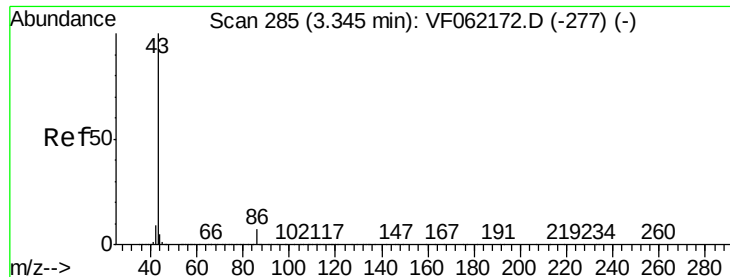
Abundance Ion 45.00 (44.70 to 45.70): VF0

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





#23

Vinyl Acetate

Concen: 257.237 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

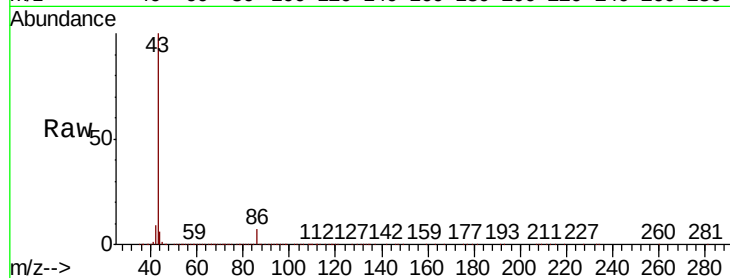
VSTDICCC050

Tot Ion: 43 Resp: 1693714

Ion Ratio Lower Upper

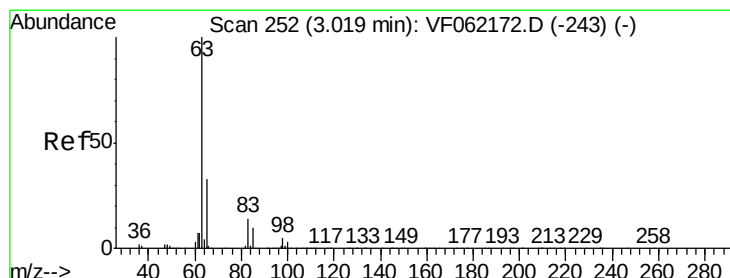
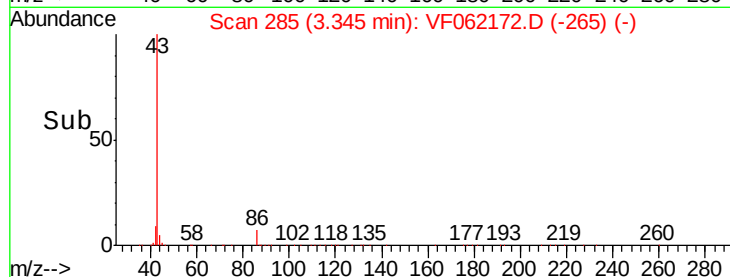
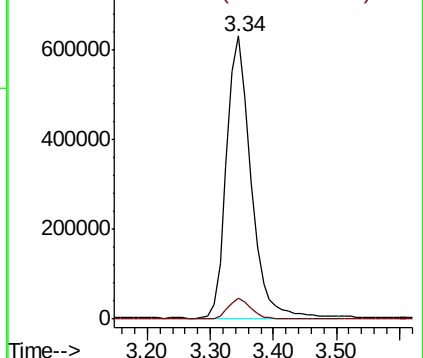
43 100

86 7.4 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 50.271 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

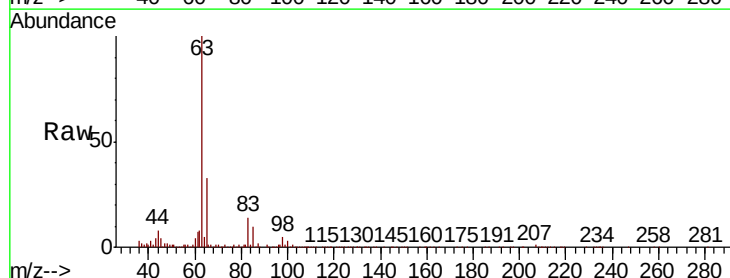
Tgt Ion: 63 Resp: 369519

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

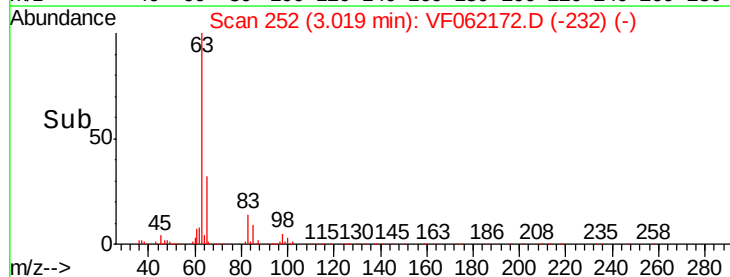
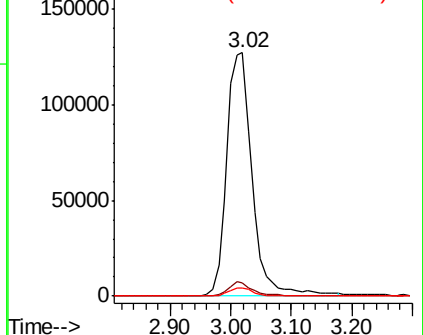
100 3.4 1.7 5.1

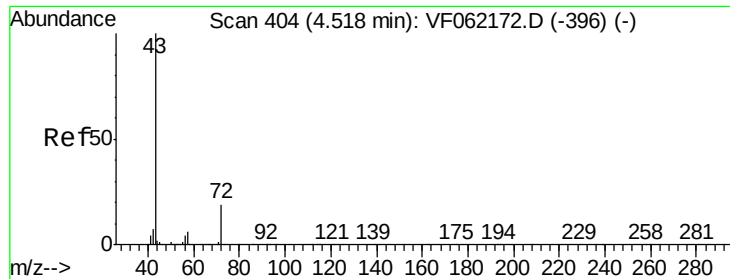


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

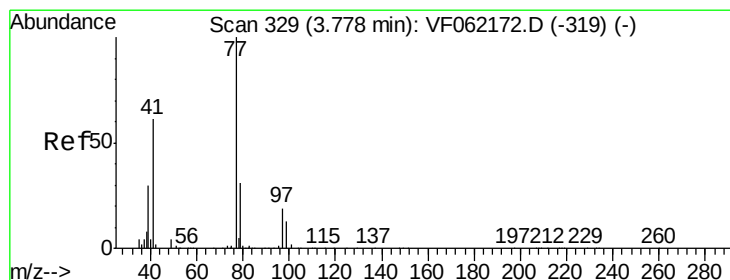
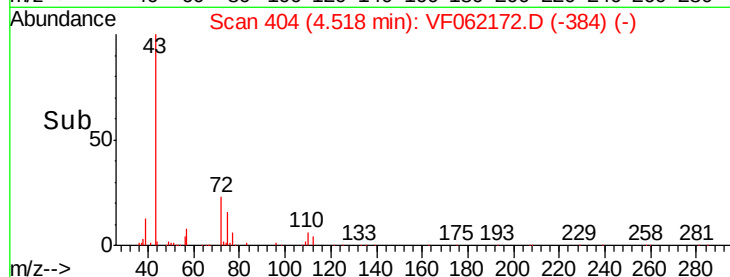
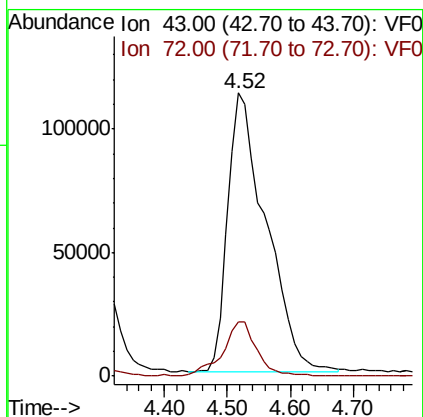
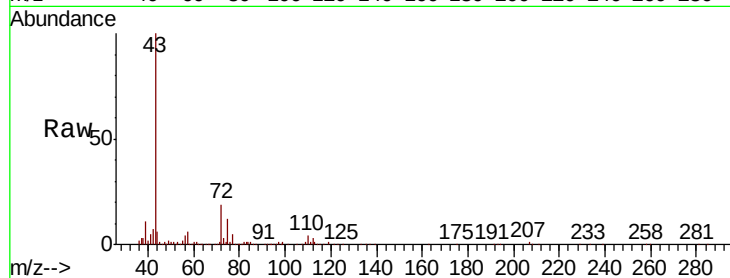




#25
2-Butanone
Concen: 252.678 ug/l
RT: 4.52 min Scan# 404
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

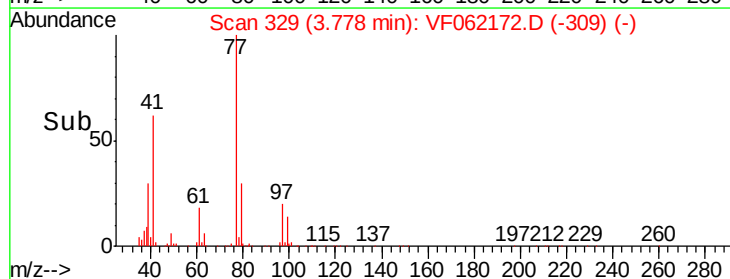
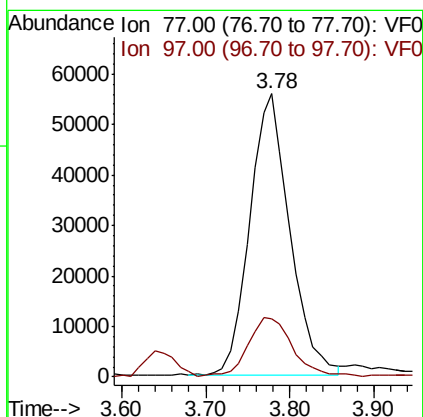
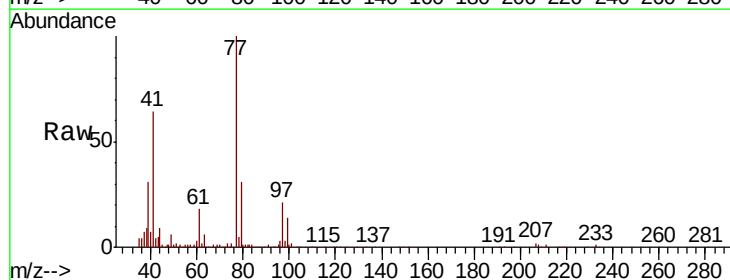
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

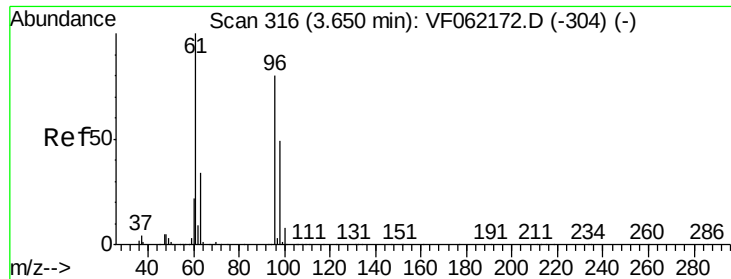
Tot Ion: 43 Resp: 473681
Ion Ratio Lower Upper
43 100
72 19.3 15.4 23.2



#26
2,2-Dichloropropane
Concen: 47.742 ug/l
RT: 3.78 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion: 77 Resp: 184582
Ion Ratio Lower Upper
77 100
97 20.6 10.3 30.9



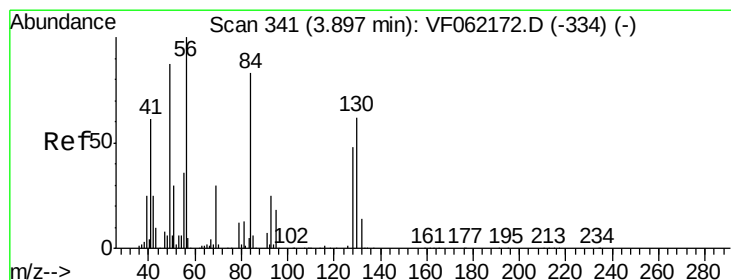
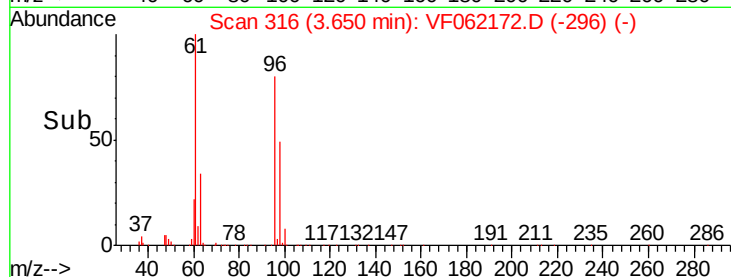
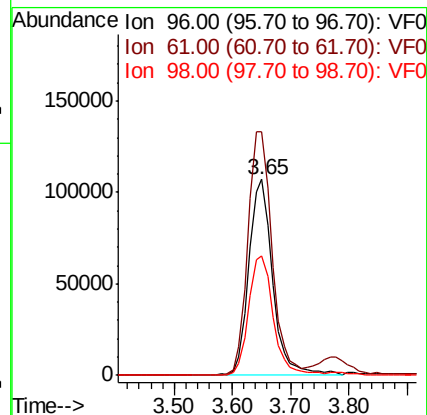
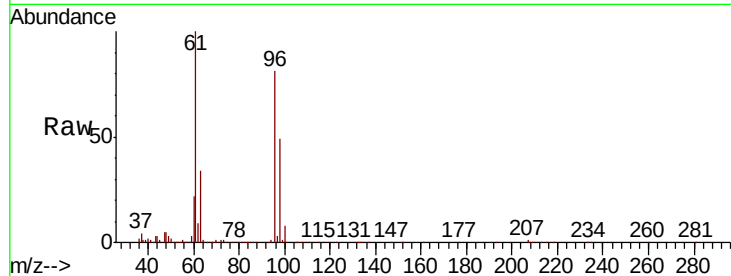


#27

cis-1,2-Dichloroethene
 Concen: 51.723 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

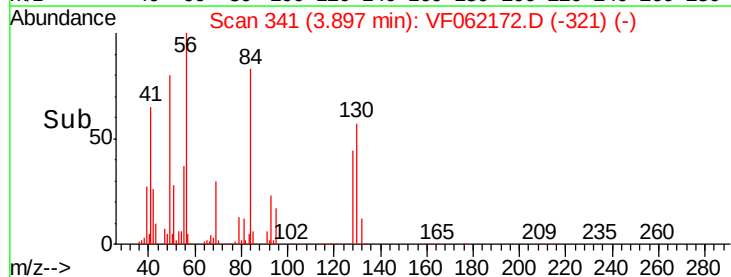
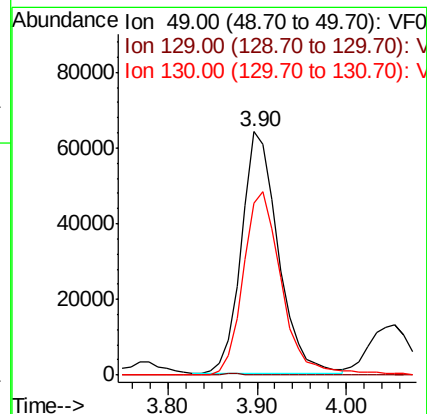
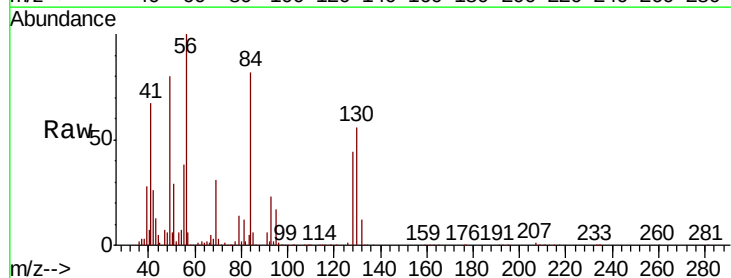
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.1	0.0	248.2
98	61.2	0.0	122.4

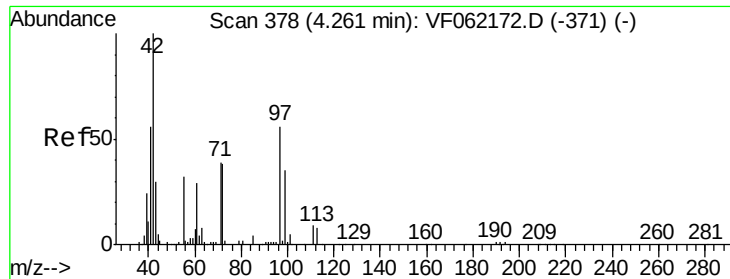


#28

Bromochloromethane
 Concen: 52.410 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	70.6	56.5	84.7

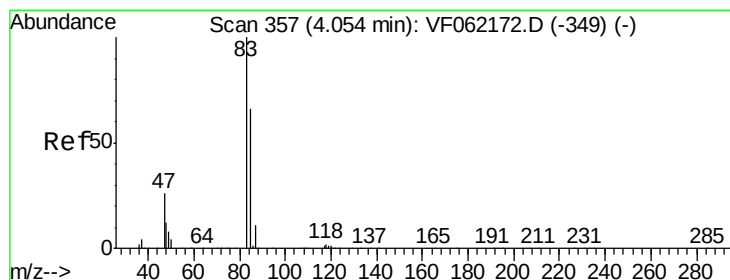
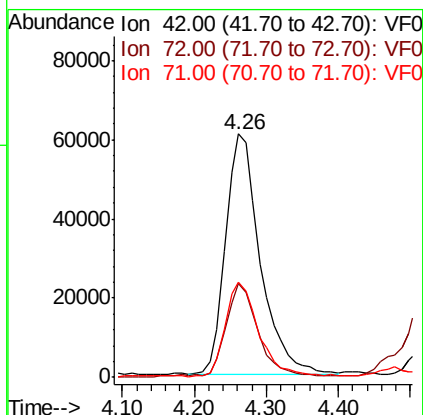
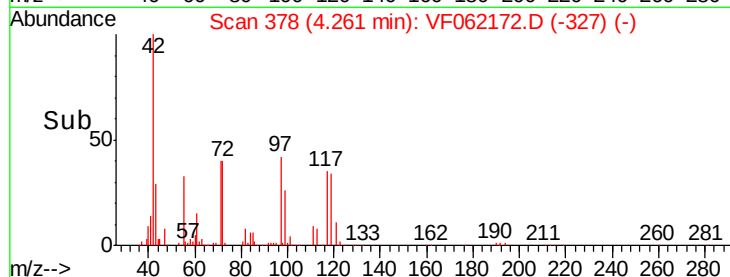
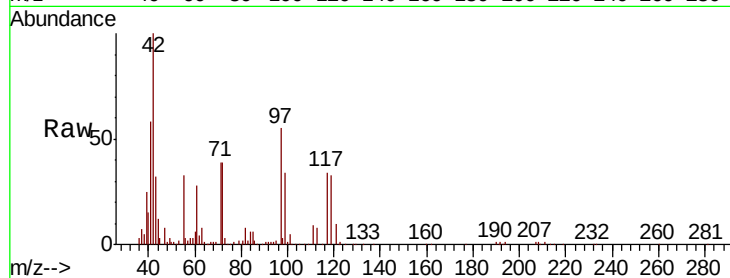




#29
Tetrahydrofuran
Concen: 242.458 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

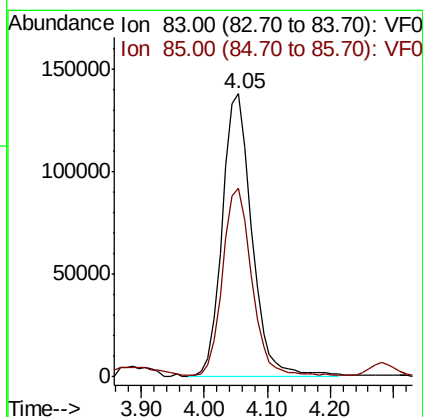
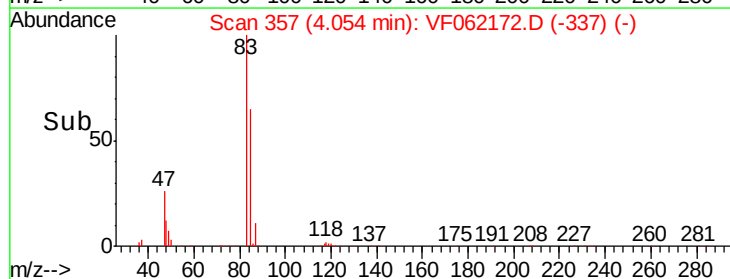
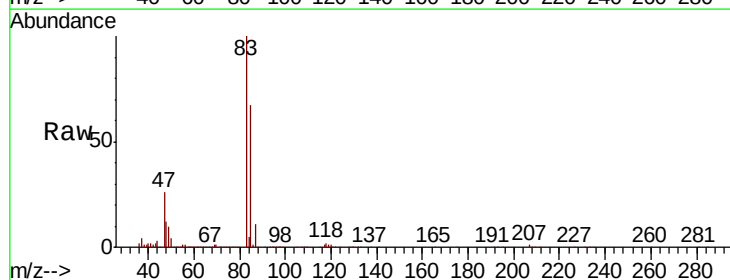
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

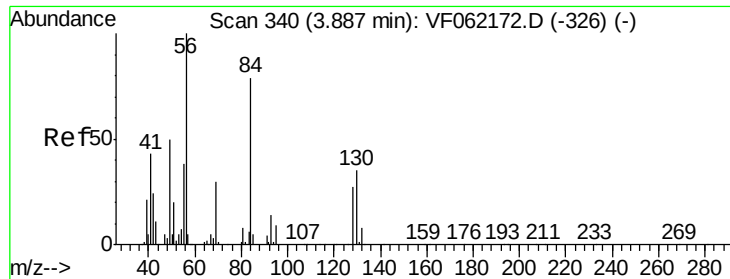
Tot Ion: 42 Resp: 202104
Ion Ratio Lower Upper
42 100
72 35.9 28.7 43.1
71 38.5 30.8 46.2



#30
Chloroform
Concen: 49.562 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion: 83 Resp: 452926
Ion Ratio Lower Upper
83 100
85 66.9 53.5 80.3

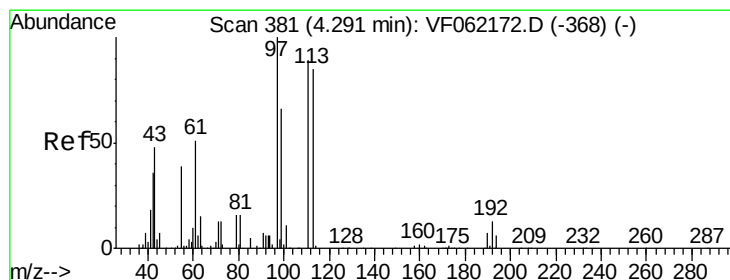
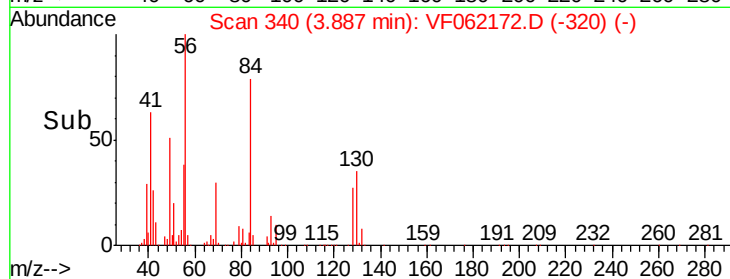
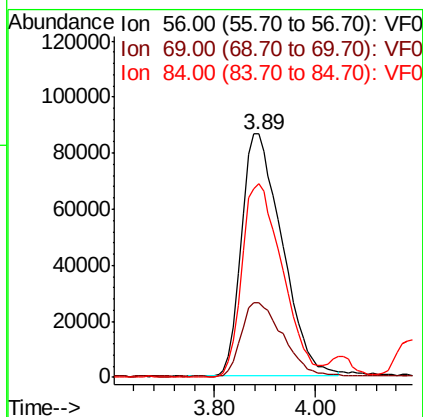
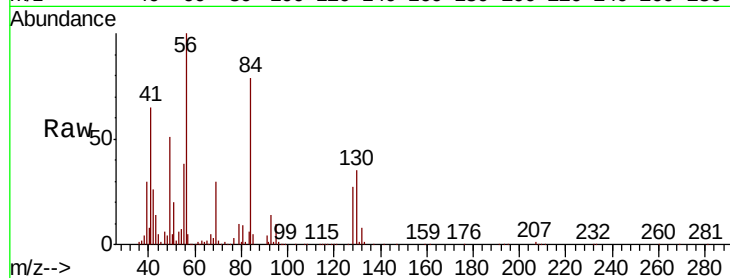




#31
Cyclohexane
Concen: 50.935 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

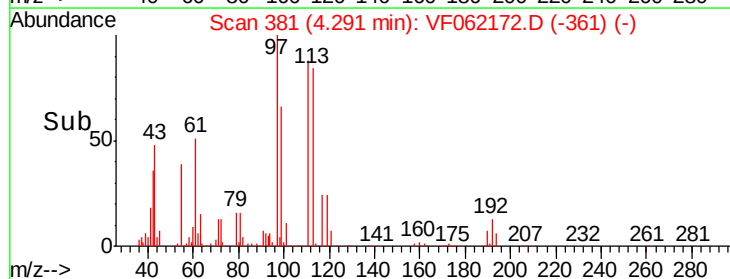
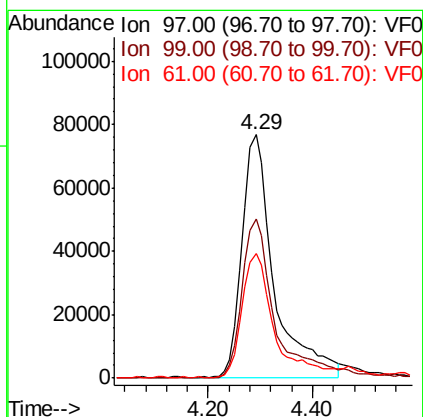
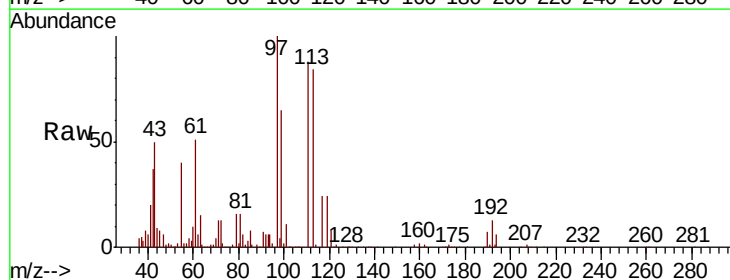
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

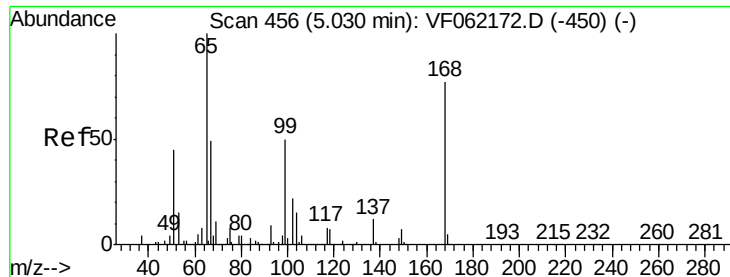
Tot Ion	56	Resp	483306
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	79.3	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 51.403 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion	97	Resp	320320
Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	51.1	40.9	61.3

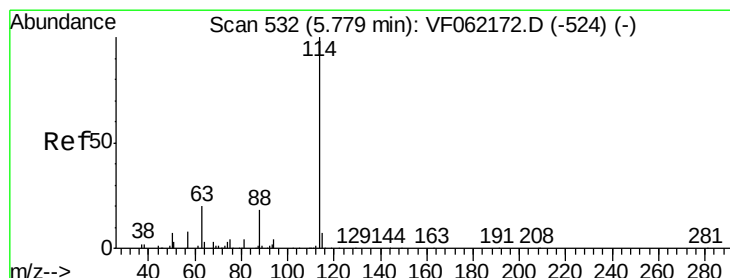
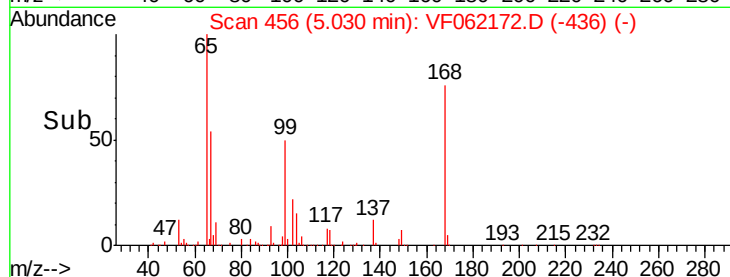
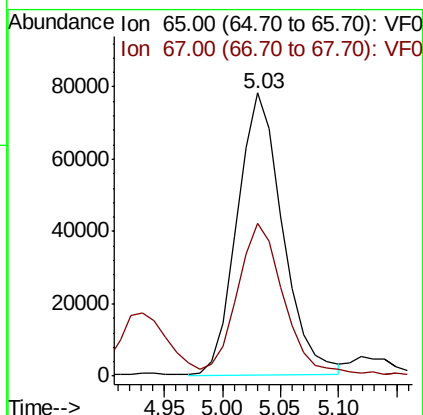
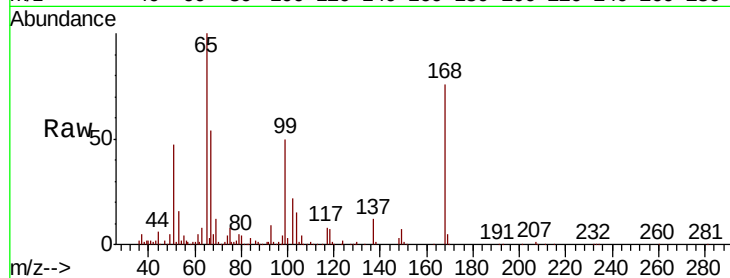




#33
 1,2-Dichloroethane-d4
 Concen: 54.623 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

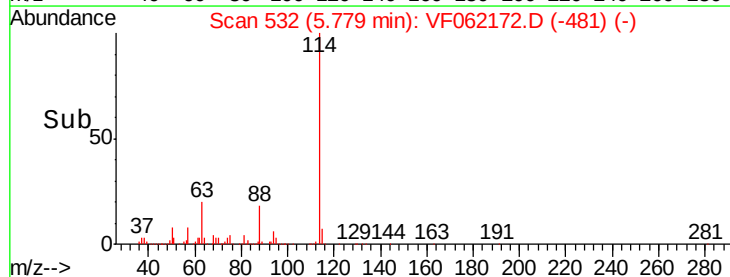
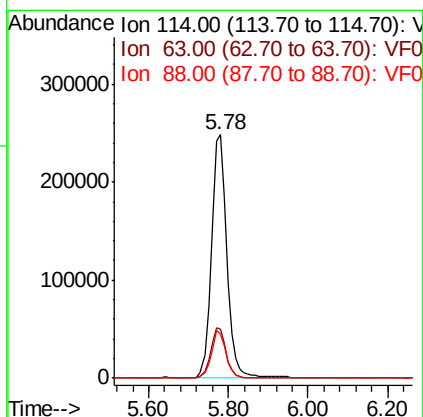
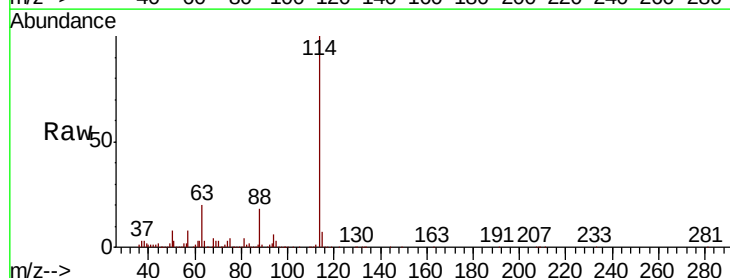
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

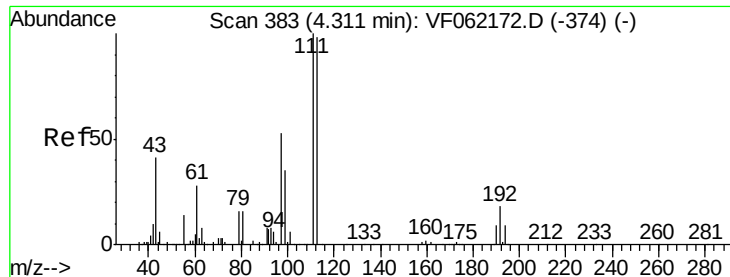
Tot Ion: 65 Resp: 211351
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion: 114 Resp: 680838
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 18.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 52.694 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

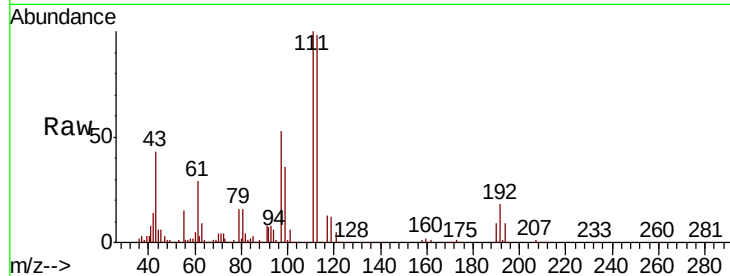
Tot Ion:113 Resp: 283001

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

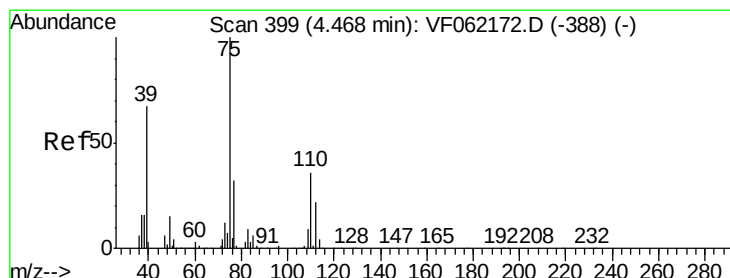
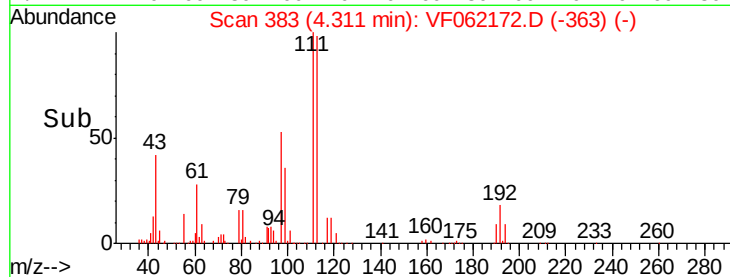
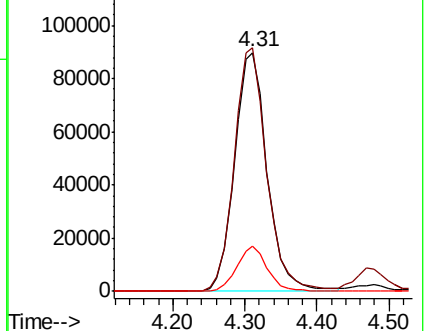
192 18.7 15.0 22.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.766 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

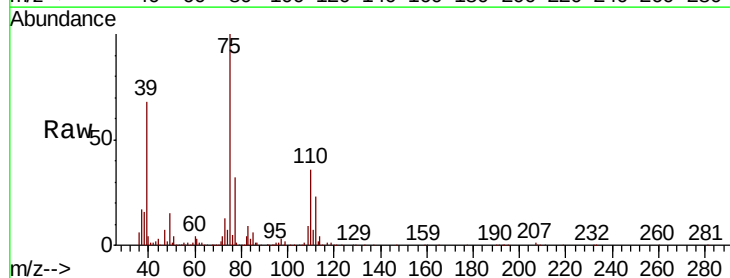
Tgt Ion: 75 Resp: 376459

Ion Ratio Lower Upper

75 100

110 35.9 17.9 53.8

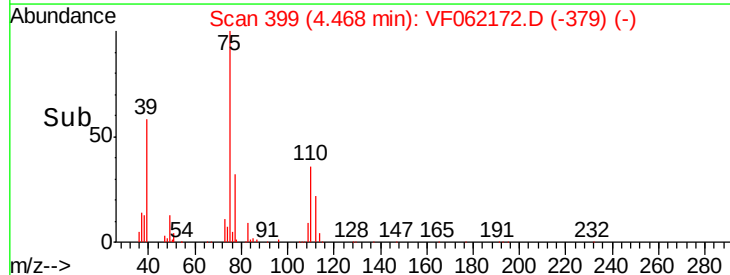
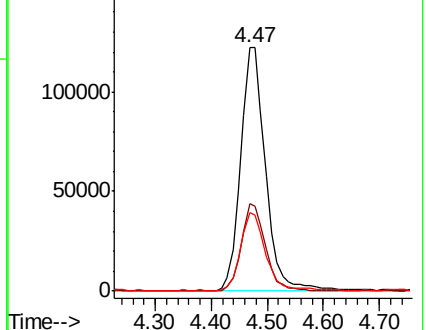
77 32.0 25.6 38.4

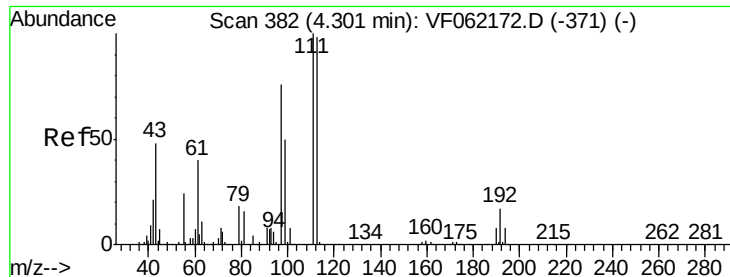


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

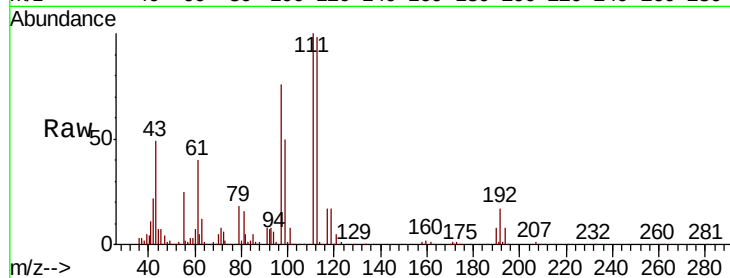




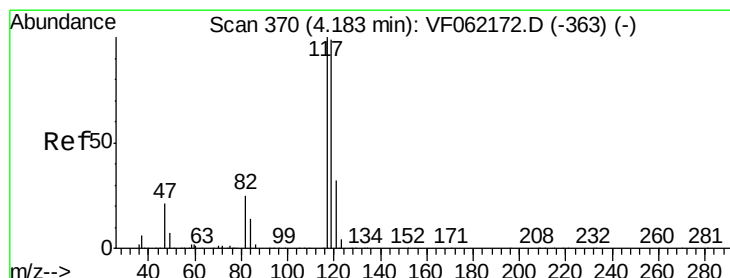
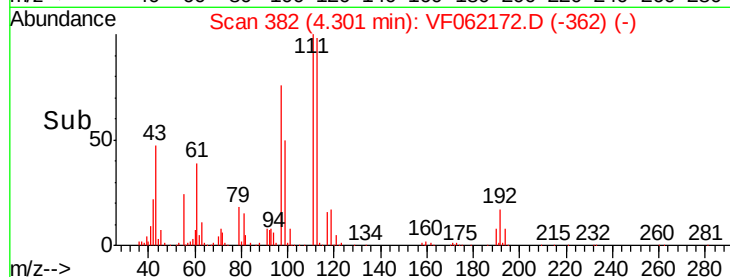
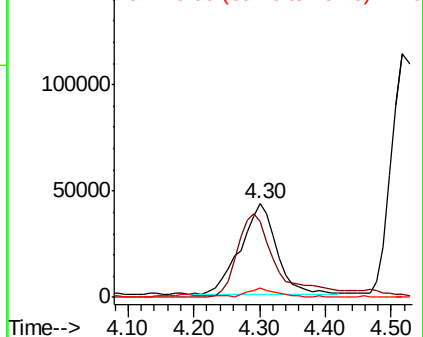
#37
Ethyl Acetate
Concen: 47.466 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 165446
Ion Ratio Lower Upper
43 100
61 81.1 64.9 97.3
70 9.8 7.8 11.8

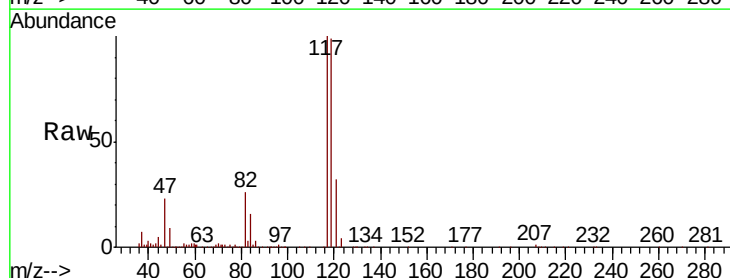


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

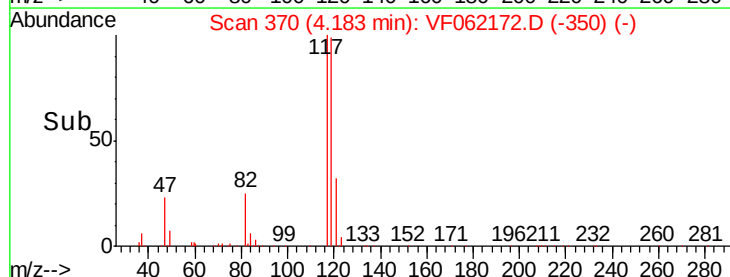
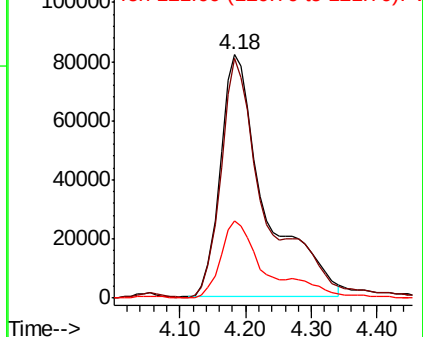


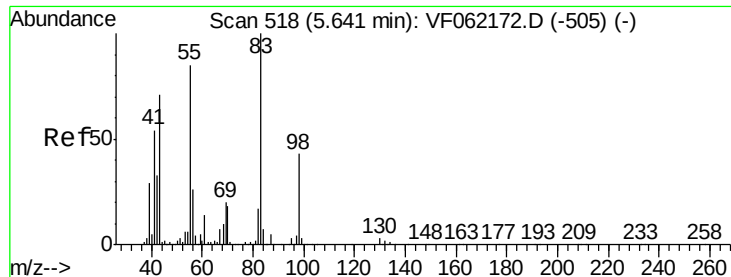
#38
Carbon Tetrachloride
Concen: 58.835 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion: 117 Resp: 389251
Ion Ratio Lower Upper
117 100
119 98.6 78.9 118.3
121 31.6 25.3 37.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

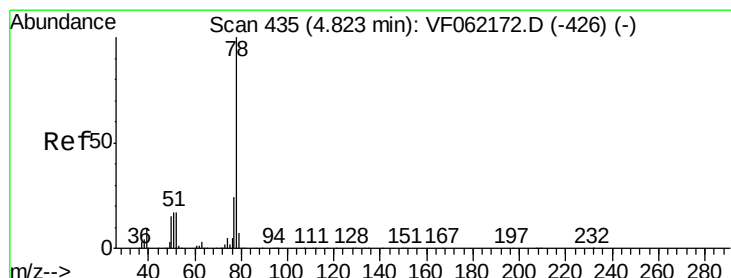
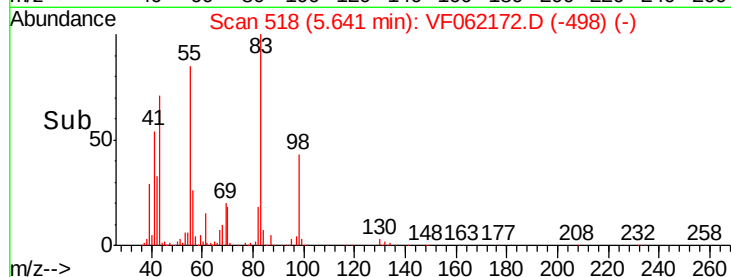
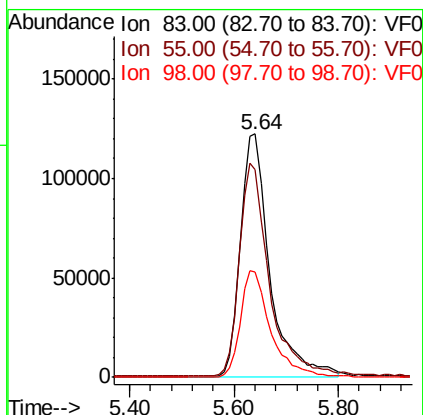
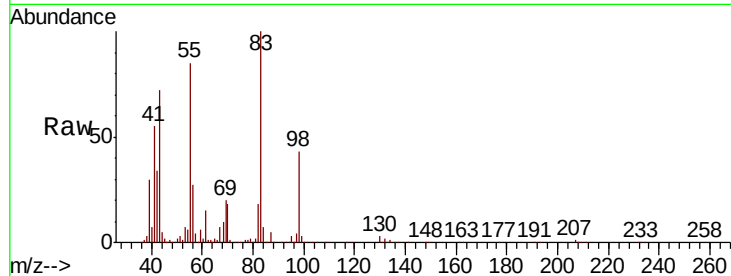




#39
Methylvlcyclohexane
Concen: 49.310 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

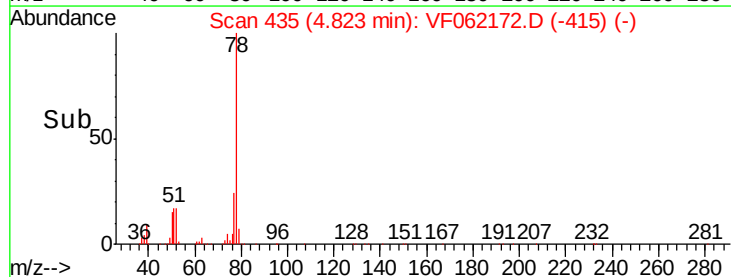
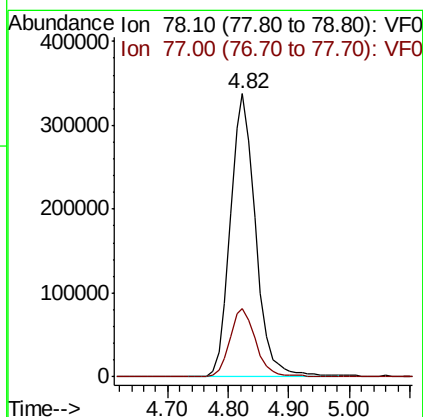
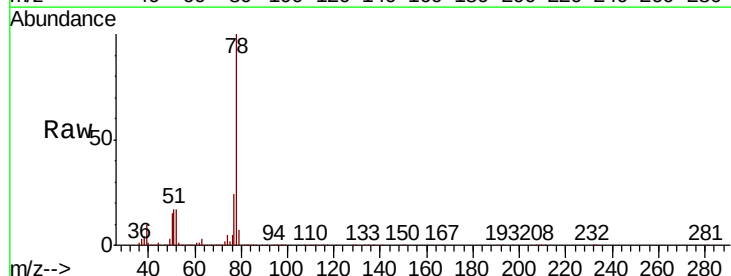
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

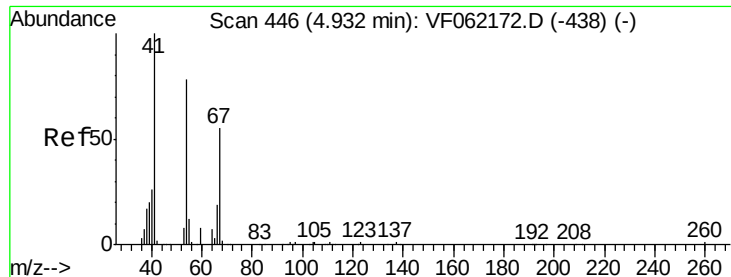
Tot Ion: 83 Resp: 467436
Ion Ratio Lower Upper
83 100
55 85.2 68.2 102.2
98 43.0 34.4 51.6



#40
Benzene
Concen: 48.671 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion: 78 Resp: 972544
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

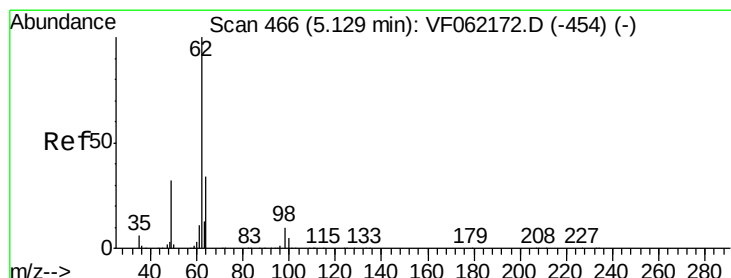
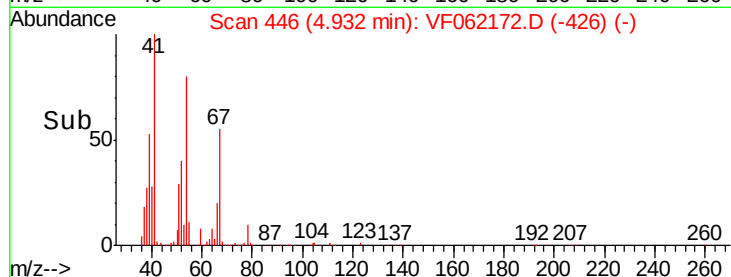
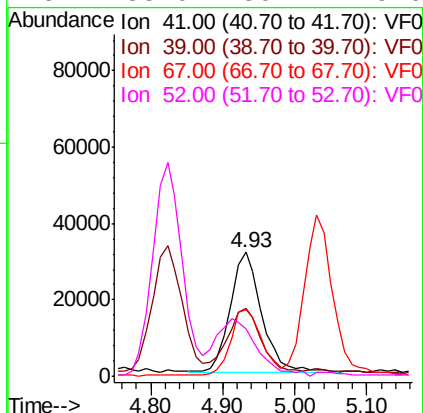
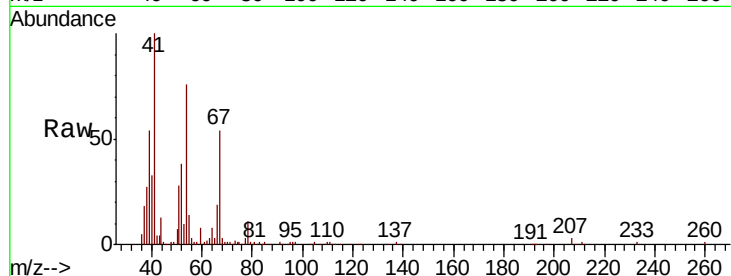




#41
Methacrylonitrile
Concen: 45.029 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

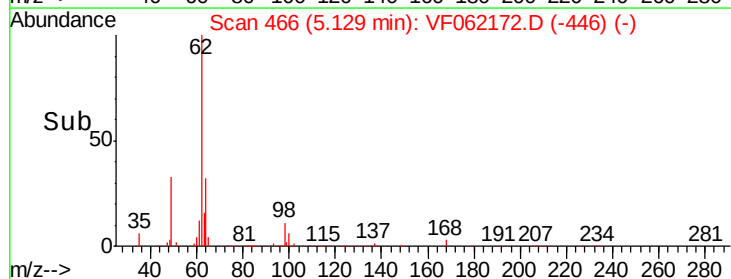
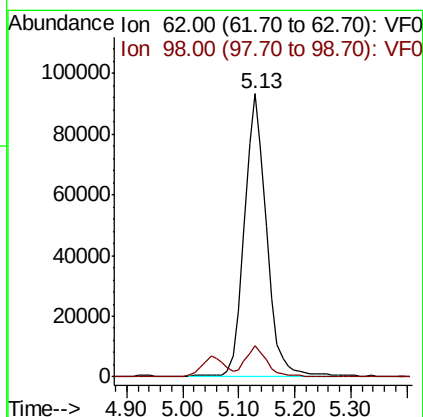
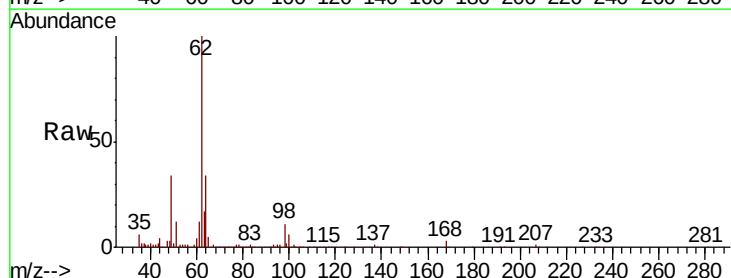
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

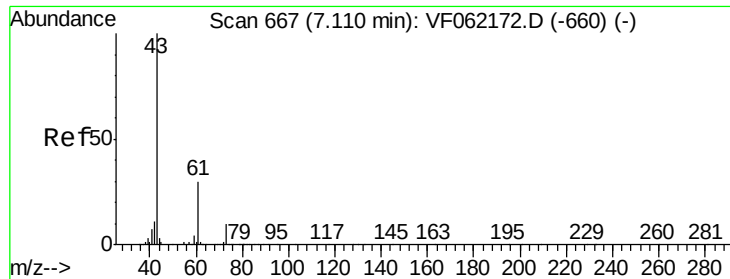
Tot Ion:	41	Resp:	94306
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.5	65.3
67	53.6	42.9	64.3
52	38.0	30.4	45.6



#42
1,2-Dichloroethane
Concen: 50.782 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion:	62	Resp:	256822
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0





#43

Isopropyl Acetate

Concen: 47.814 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

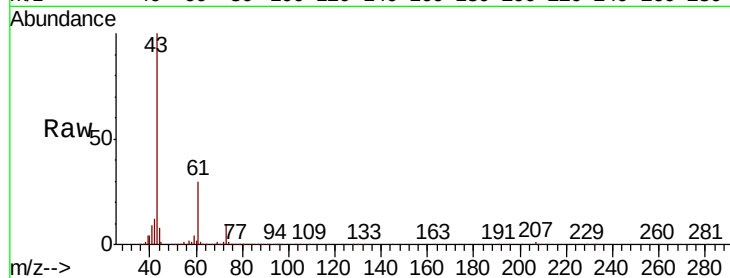
Tot Ion: 43 Resp: 193688

Ion Ratio Lower Upper

43 100

61 29.6 23.7 35.5

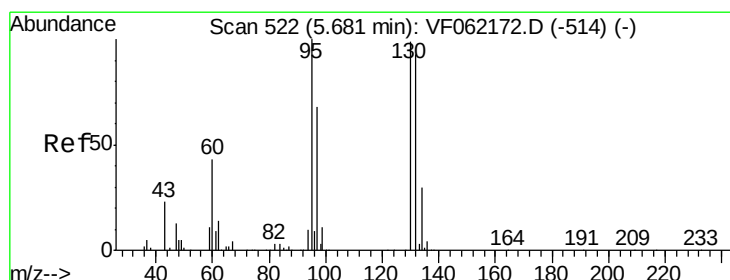
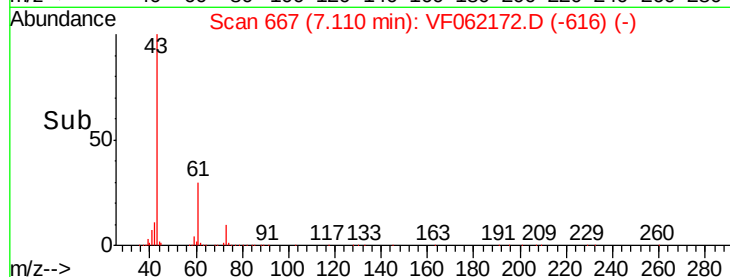
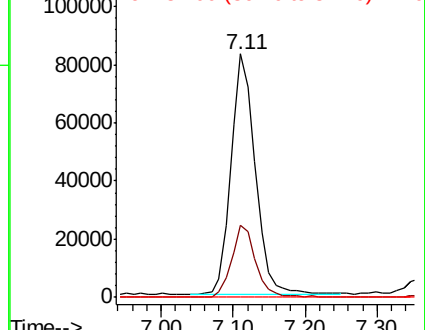
87 0.4 0.3 0.5



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: 48.655 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.00 min

Lab File: VF062172.D

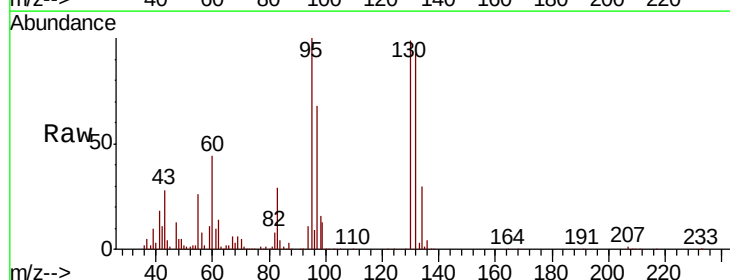
Acq: 16 Apr 2019 12:16

Tgt Ion:130 Resp: 260220

Ion Ratio Lower Upper

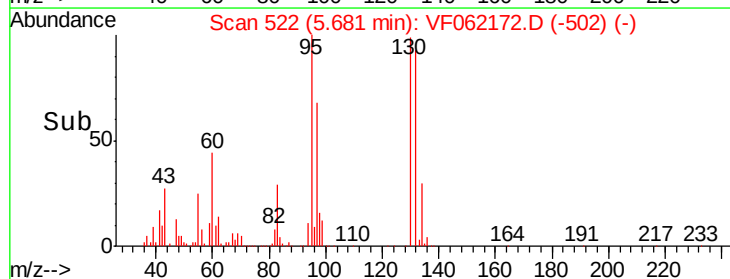
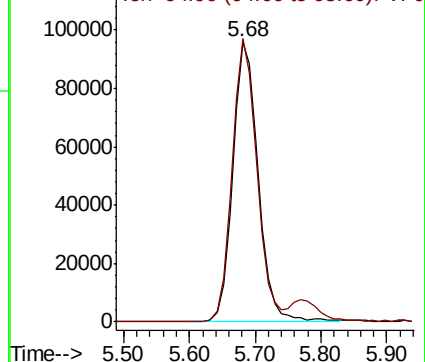
130 100

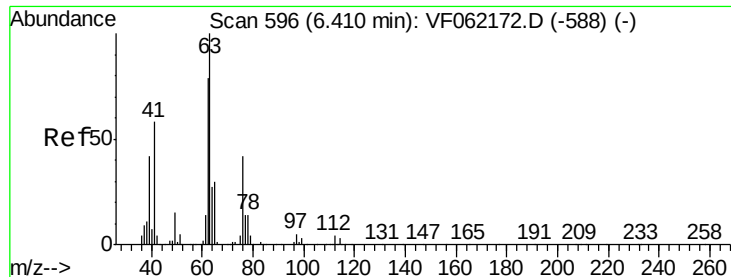
95 101.1 0.0 202.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.299 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

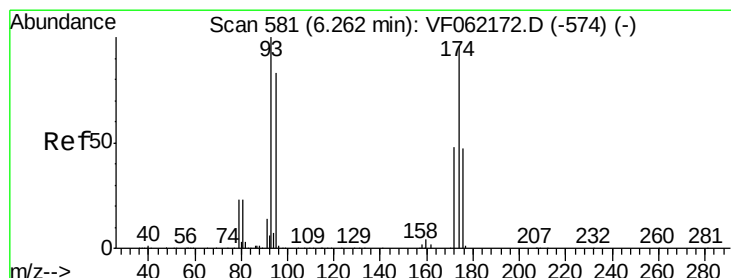
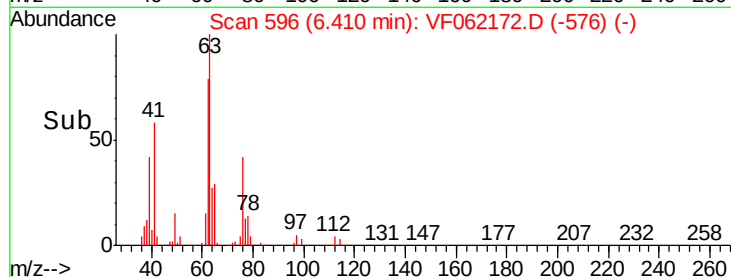
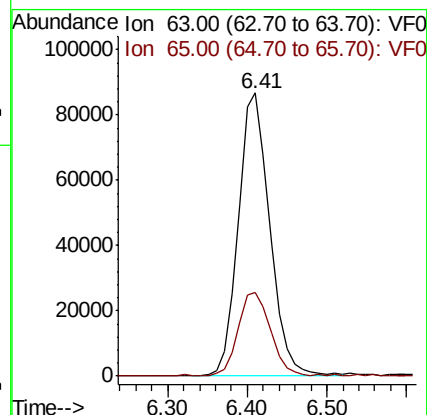
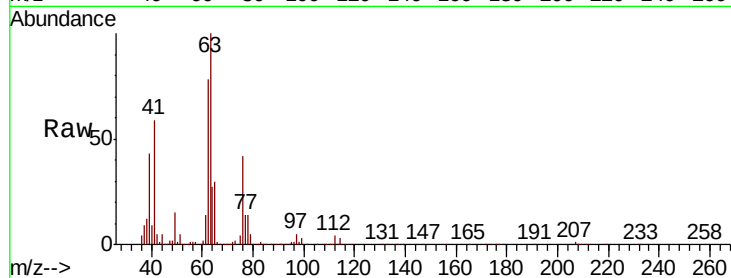
VSTDICCC050

Tot Ion: 63 Resp: 236762

Ion Ratio Lower Upper

63 100

65 29.6 23.7 35.5



#46

Dibromomethane

Concen: 48.853 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

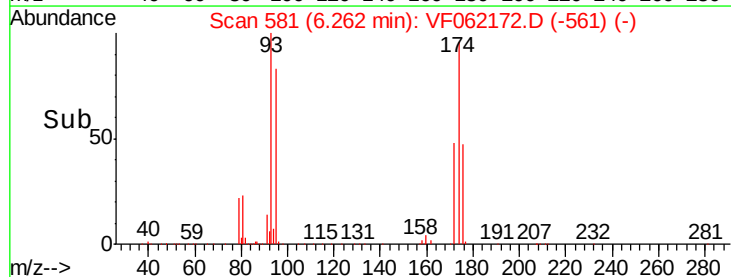
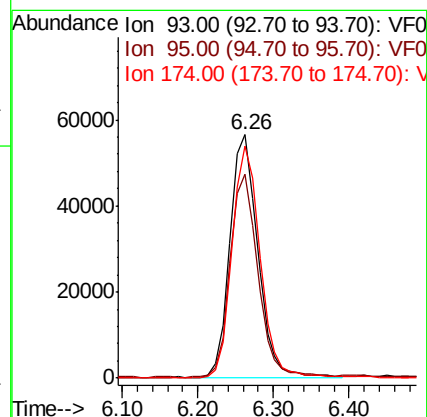
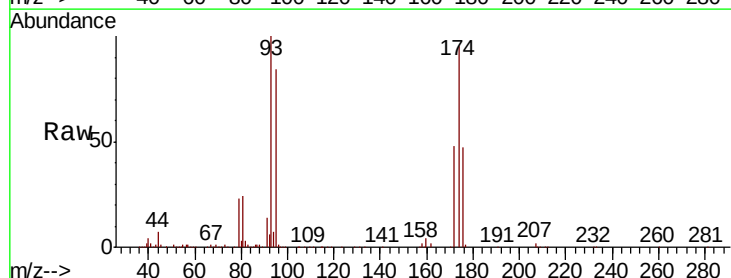
Tgt Ion: 93 Resp: 144407

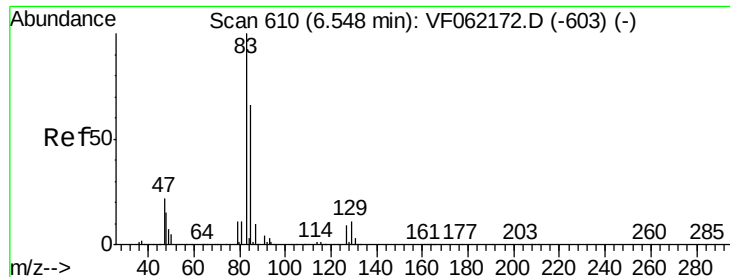
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 95.4 76.3 114.5





#47

Bromodichloromethane

Concen: 48.920 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

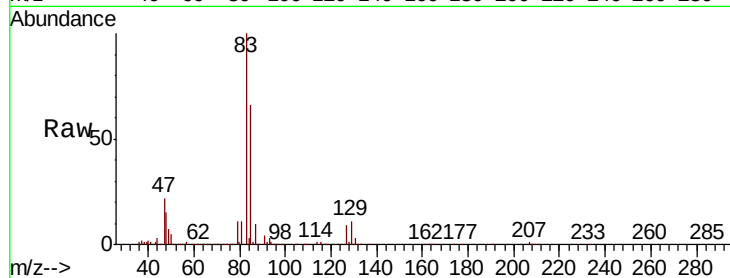
Tot Ion: 83 Resp: 327607

Ion Ratio Lower Upper

83 100

85 65.8 52.6 79.0

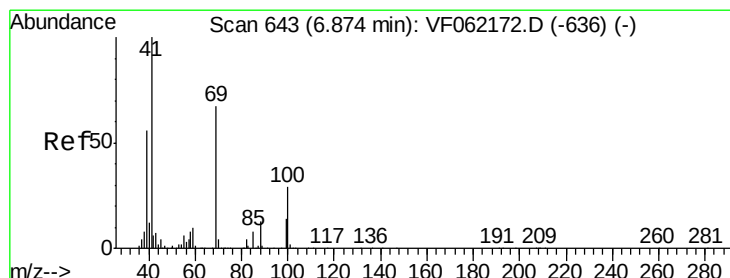
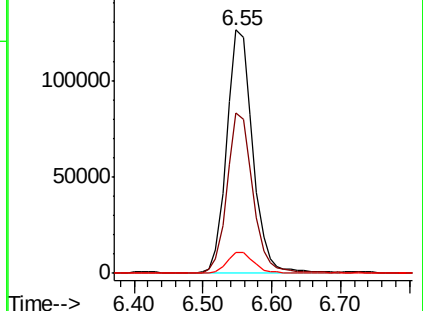
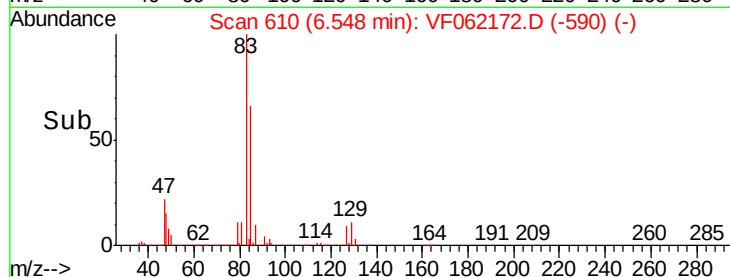
127 8.5 6.8 10.2



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: 48.181 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

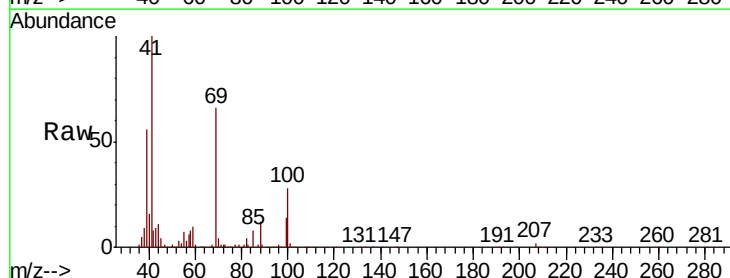
Tgt Ion: 41 Resp: 127043

Ion Ratio Lower Upper

41 100

69 66.0 52.8 79.2

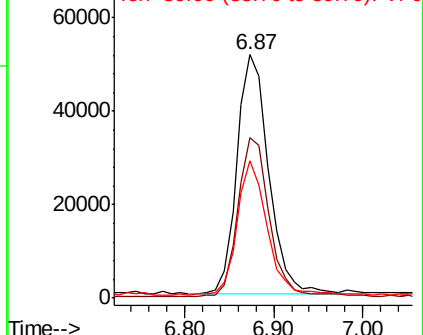
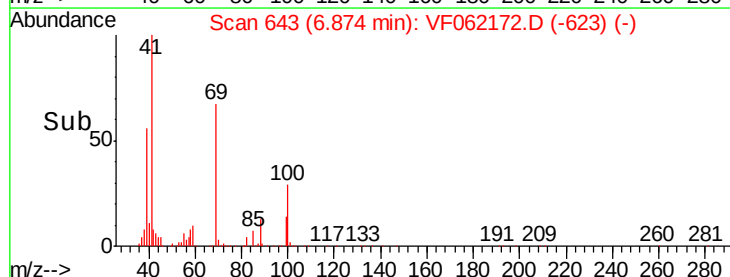
39 56.2 45.0 67.4

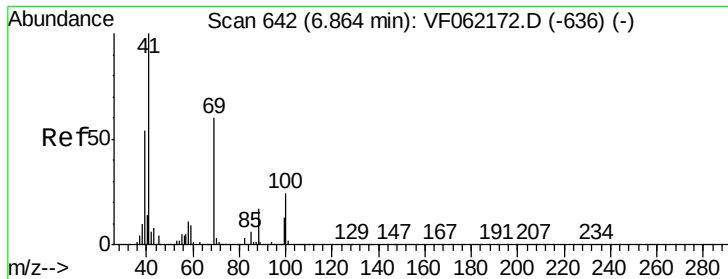


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1000.139 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

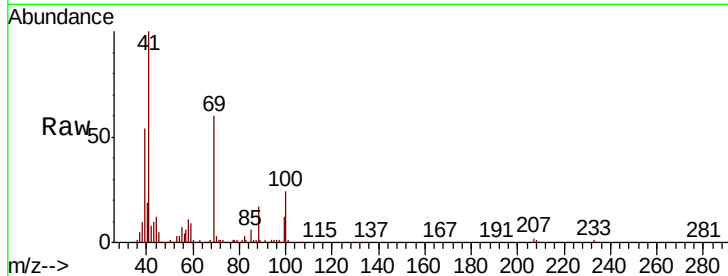
Tot Ion: 88 Resp: 20550

Ion Ratio Lower Upper

88 100

43 61.9 49.5 74.3

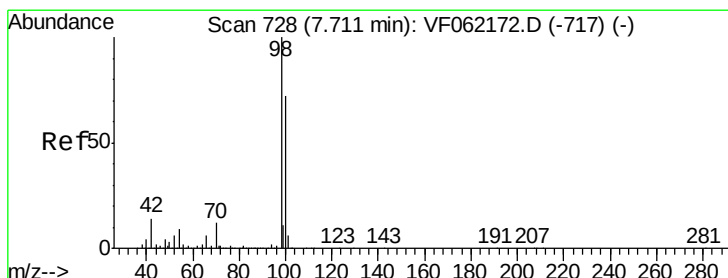
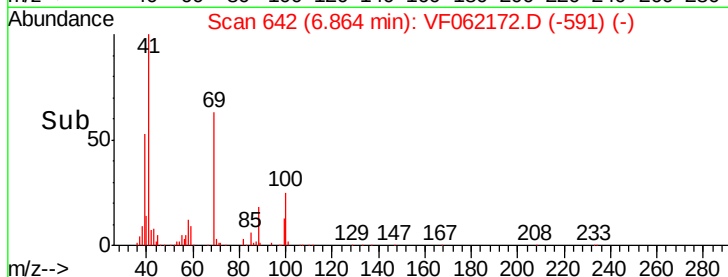
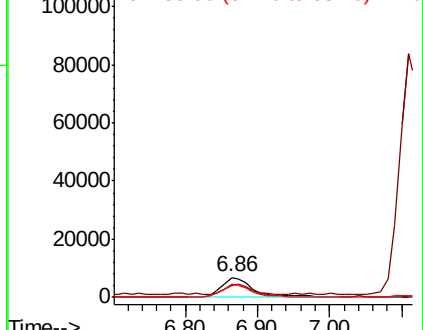
58 65.8 52.6 79.0



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.670 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF062172.D

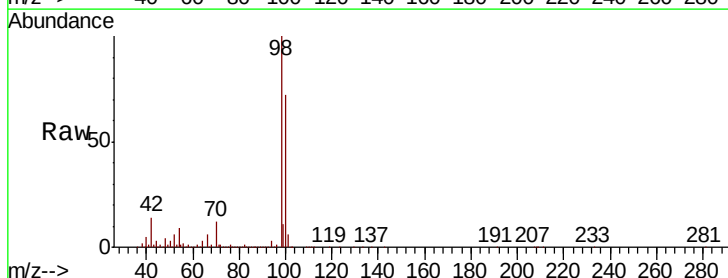
Acq: 16 Apr 2019 12:16

Tgt Ion: 98 Resp: 842319

Ion Ratio Lower Upper

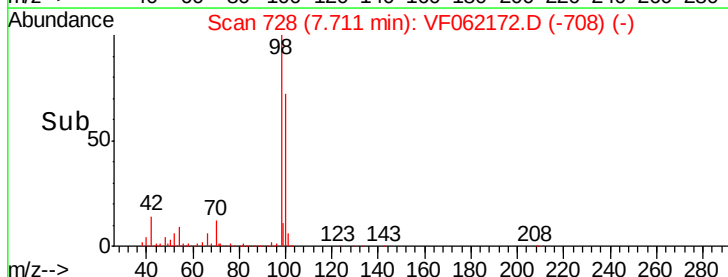
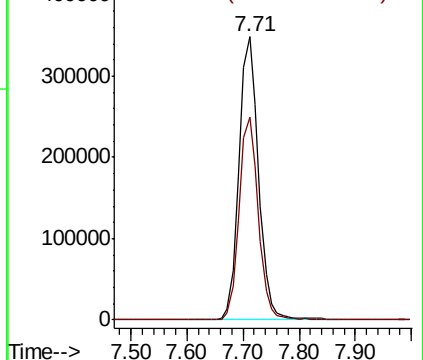
98 100

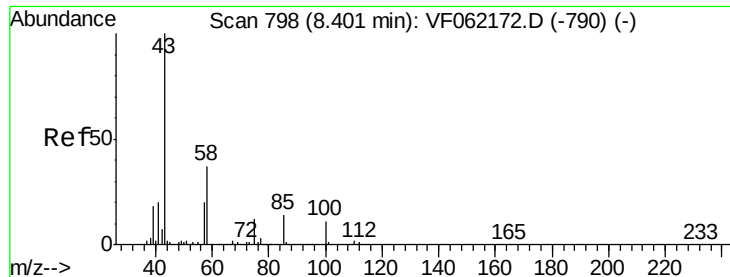
100 71.7 57.4 86.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 227.542 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

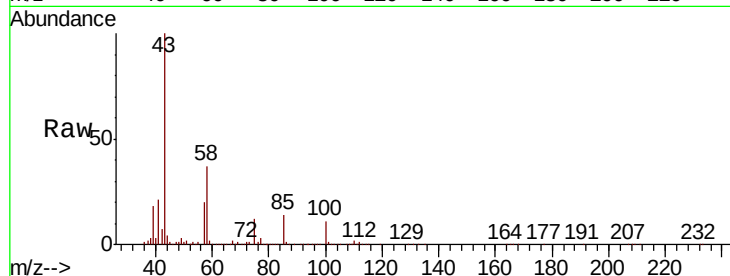
VSTDICCC050

Tot Ion: 43 Resp: 706126

Ion Ratio Lower Upper

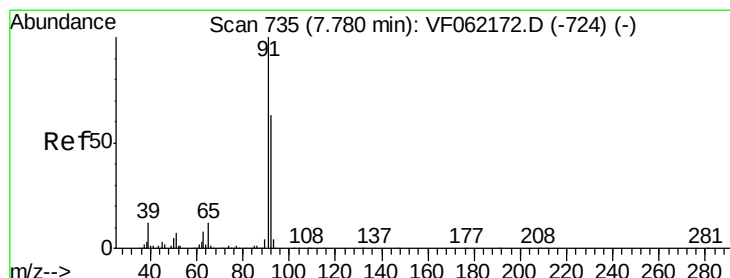
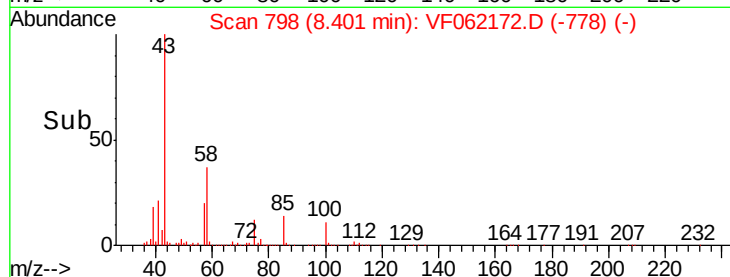
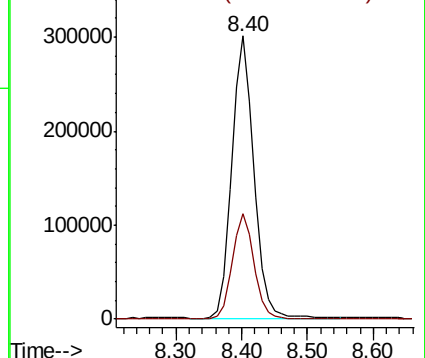
43 100

58 37.1 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: 48.156 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062172.D

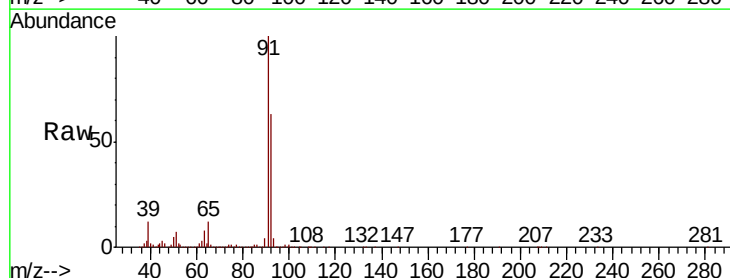
Acq: 16 Apr 2019 12:16

Tgt Ion: 92 Resp: 565280

Ion Ratio Lower Upper

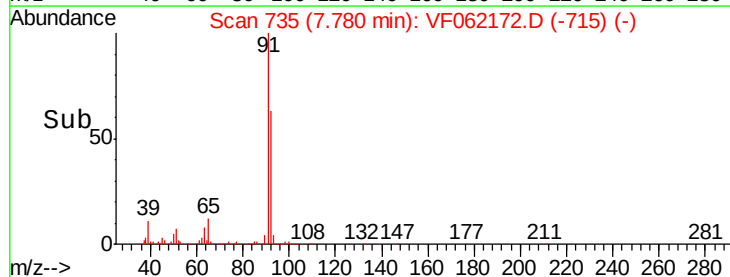
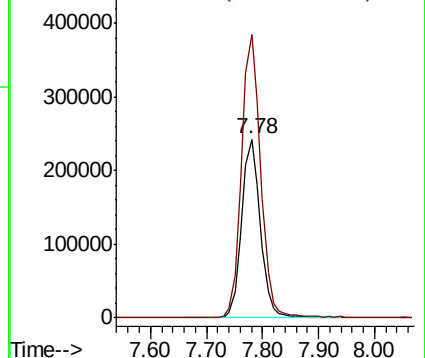
92 100

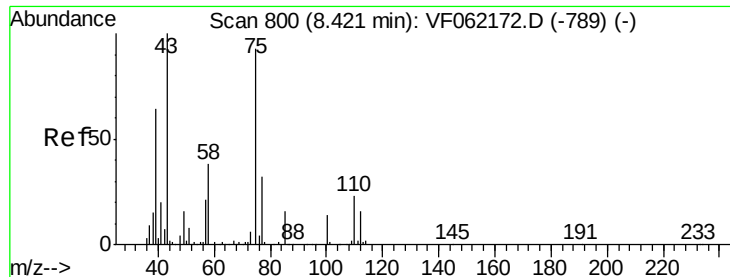
91 158.6 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

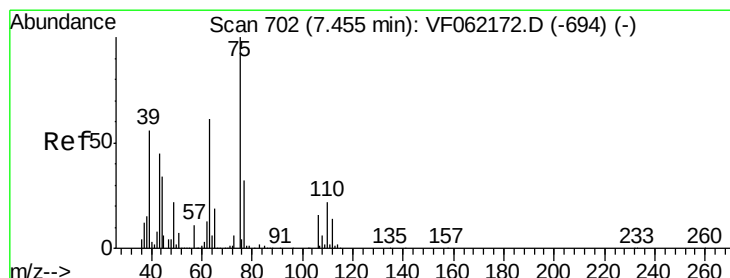
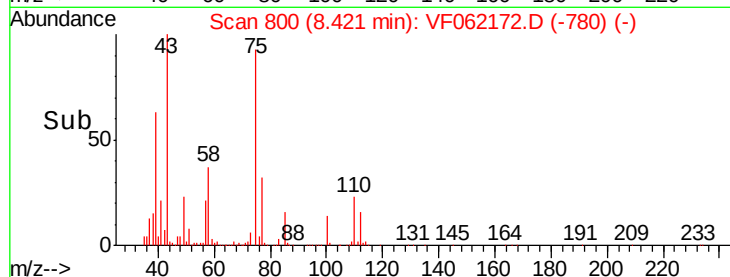
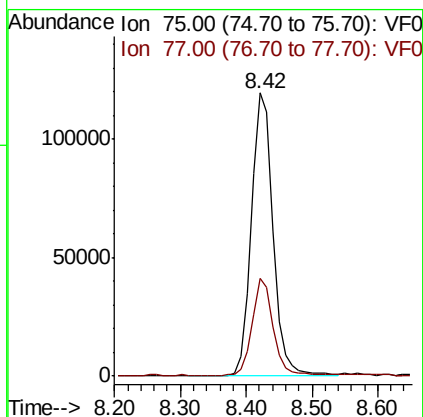
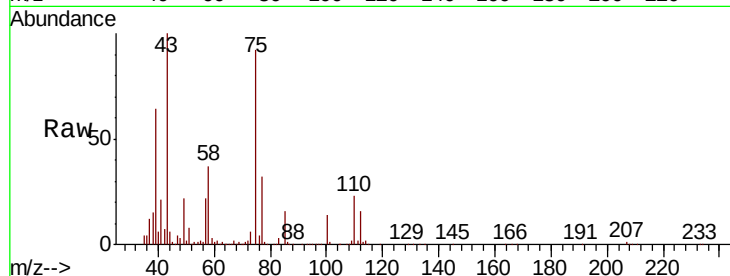




#53
 t-1,3-Dichloropropene
 Concen: 47.993 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

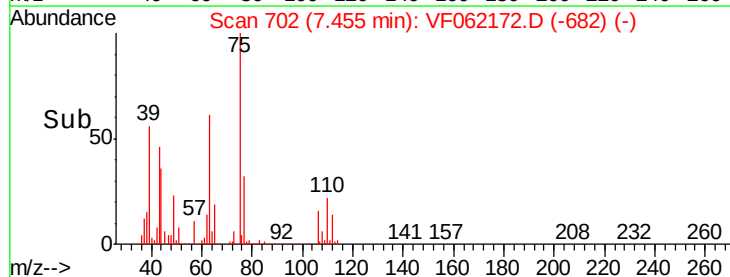
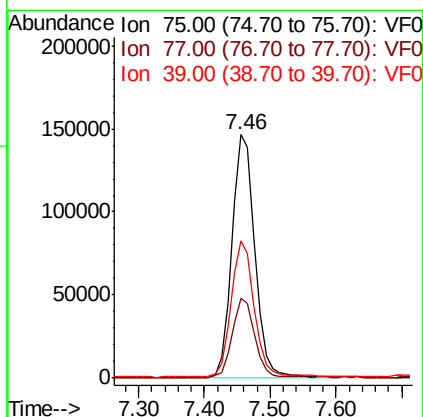
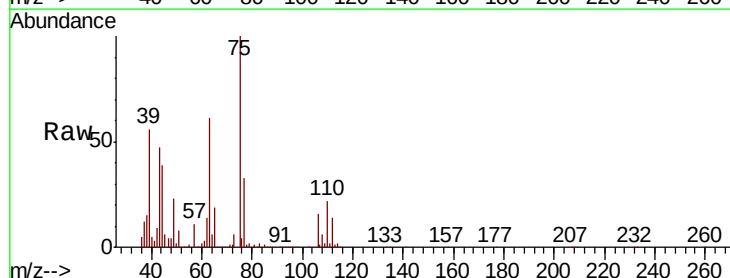
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

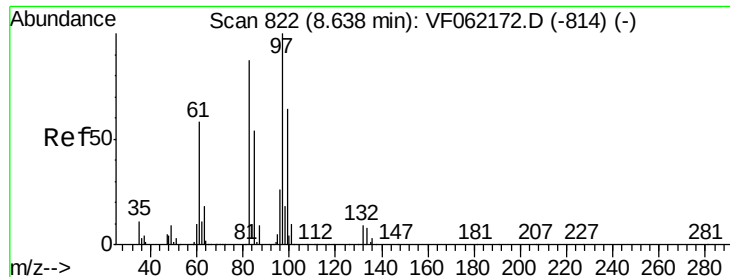
Tot Ion: 75 Resp: 278386
 Ion Ratio Lower Upper
 75 100
 77 34.7 27.8 41.6



#54
 cis-1,3-Dichloropropene
 Concen: 48.946 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion: 75 Resp: 361021
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0
 39 56.5 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 49.015 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

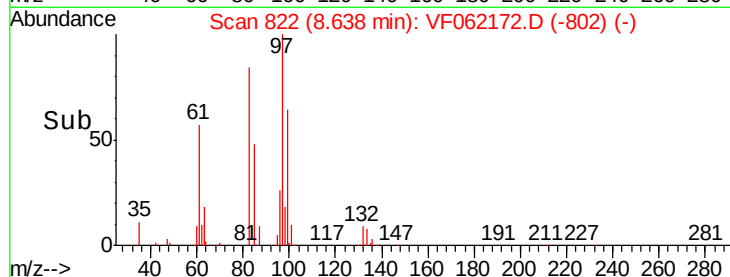
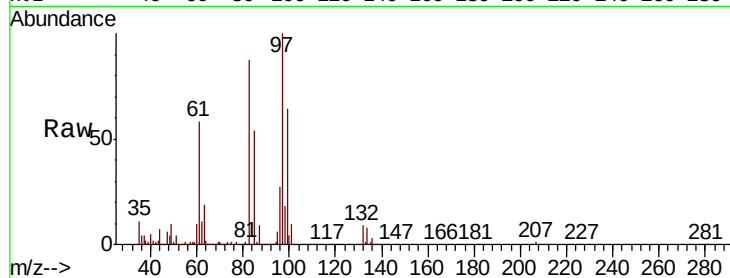
MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 164787

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	54.4	43.5	65.3
99	64.4	51.5	77.3



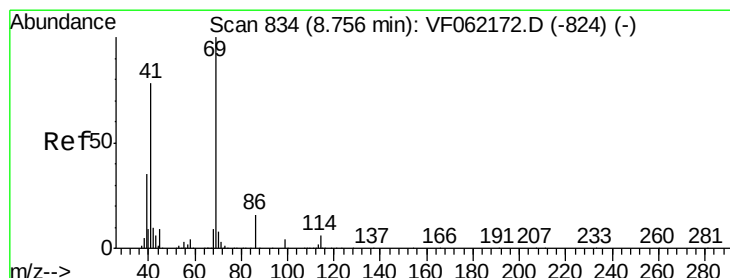
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 47.450 ug/l

RT: 8.76 min Scan# 834

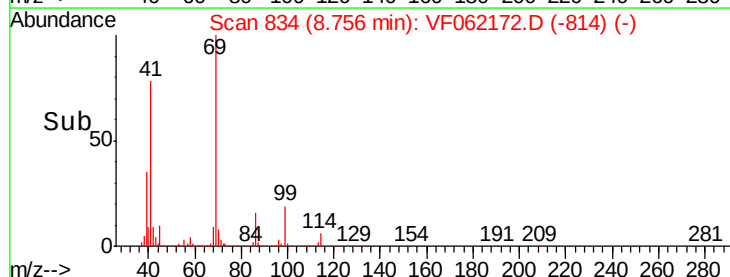
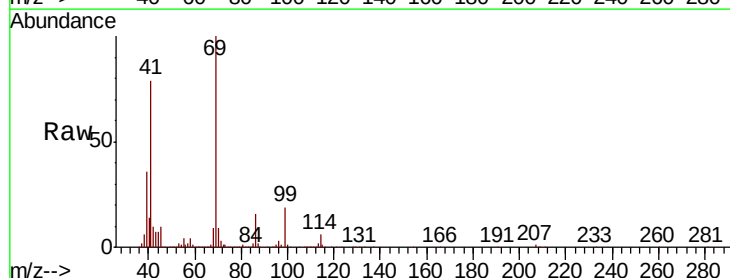
Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Tgt Ion: 69 Resp: 189694

Ion	Ratio	Lower	Upper
69	100		
41	79.2	63.4	95.0
39	36.3	29.0	43.6

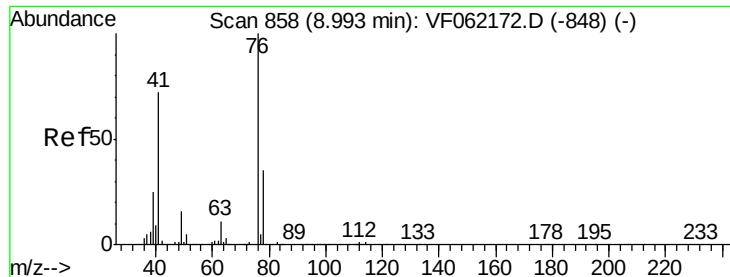


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



#57

1,3-Dichloropropane

Concen: 47.581 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

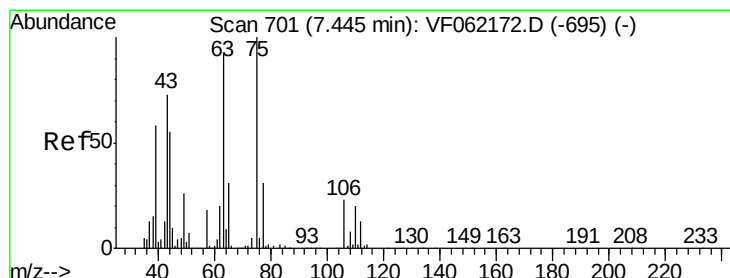
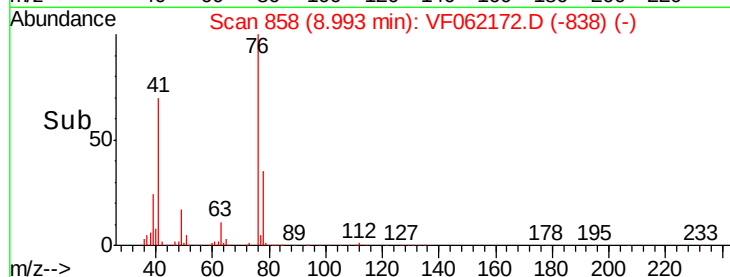
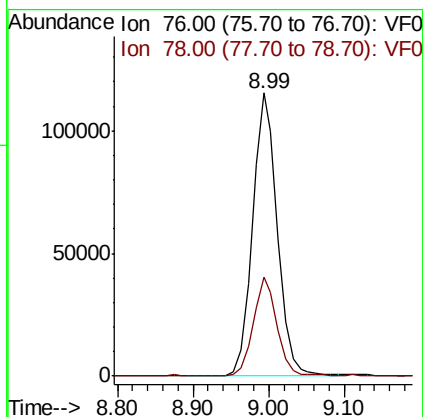
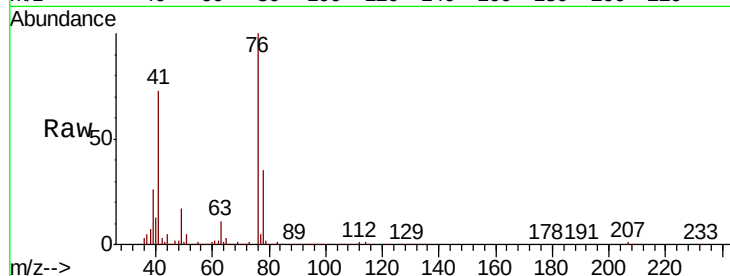
VSTDICCC050

Tot Ion: 76 Resp: 262988

Ion Ratio Lower Upper

76 100

78 35.2 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 217.647 ug/l

RT: 7.45 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF062172.D

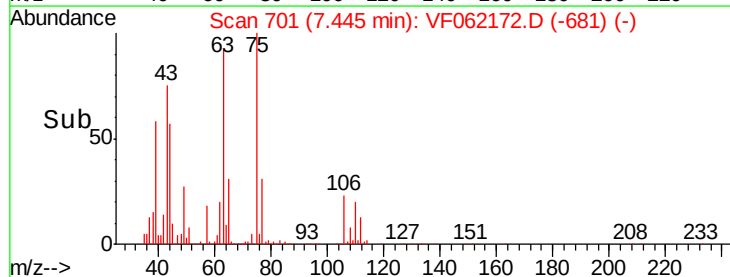
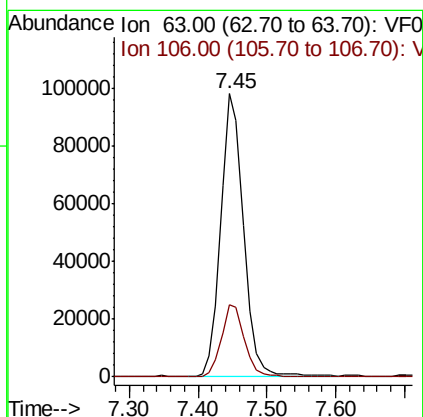
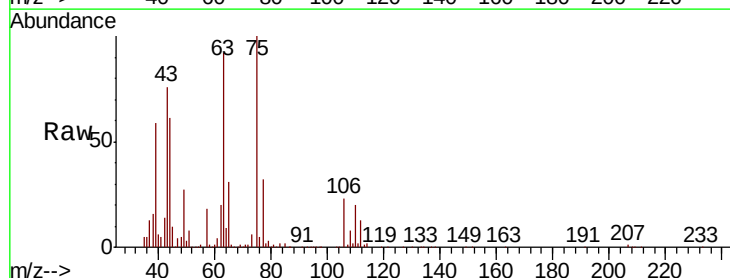
Acq: 16 Apr 2019 12:16

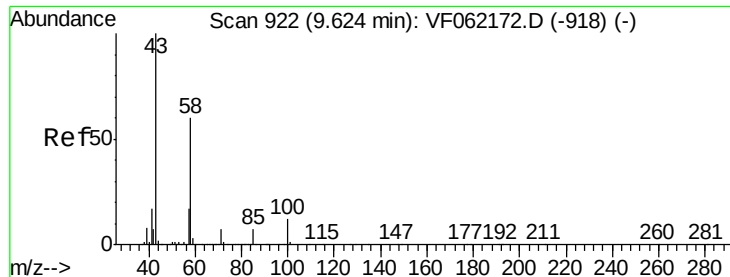
Tgt Ion: 63 Resp: 224181

Ion Ratio Lower Upper

63 100

106 25.3 20.2 30.4

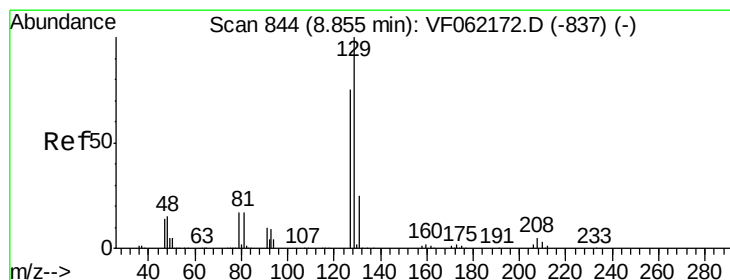
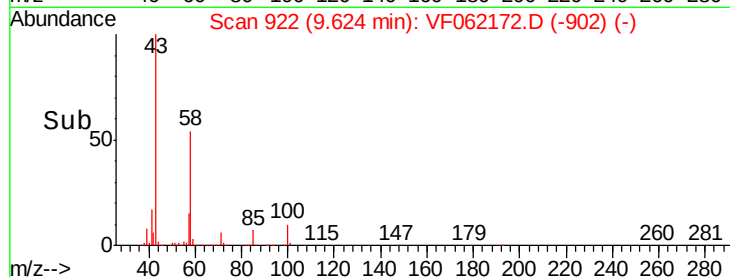
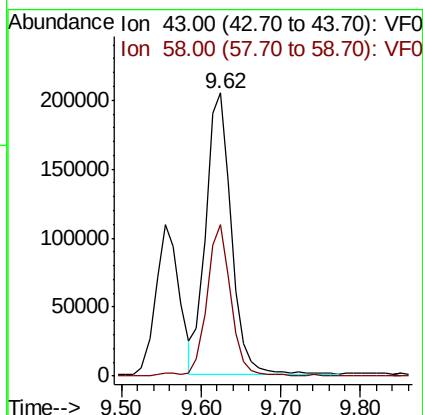
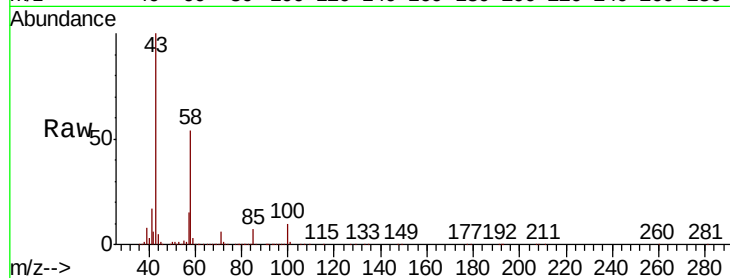




#59
2-Hexanone
Concen: 231.120 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

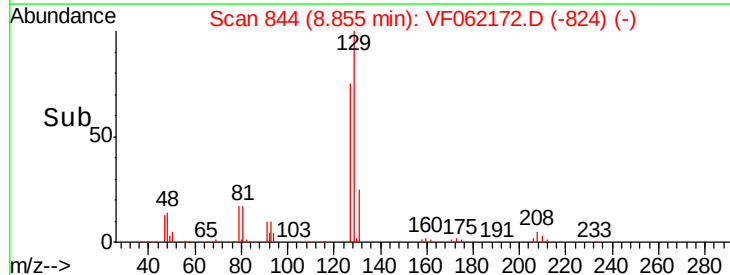
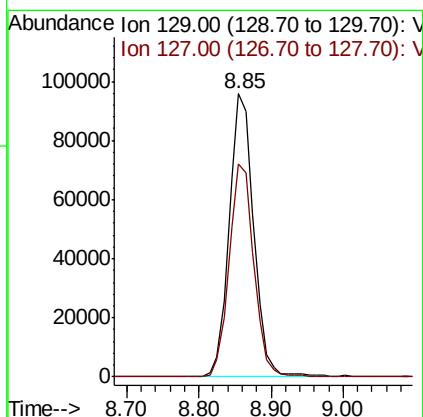
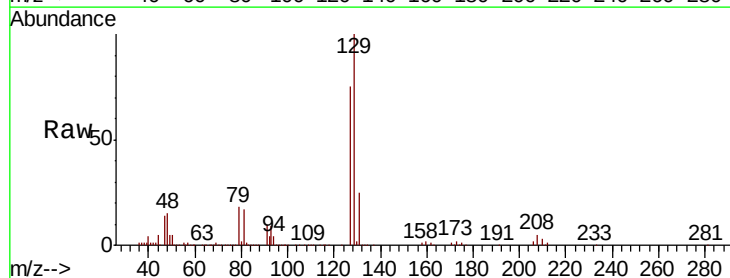
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

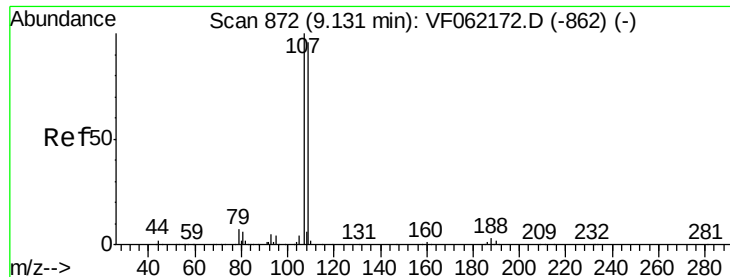
Tot Ion: 43 Resp: 456460
Ion Ratio Lower Upper
43 100
58 53.6 26.8 80.4



#60
Dibromochloromethane
Concen: 49.025 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion:129 Resp: 226777
Ion Ratio Lower Upper
129 100
127 75.4 37.7 113.1





#61

1,2-Dibromoethane

Concen: 48.849 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

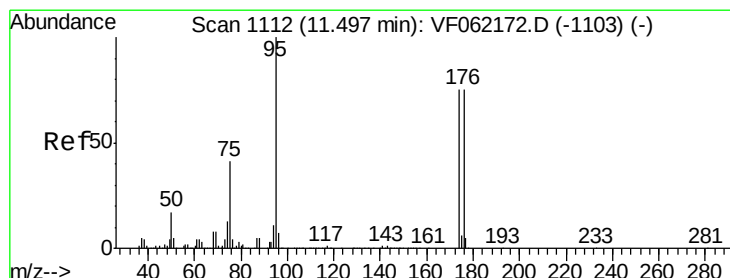
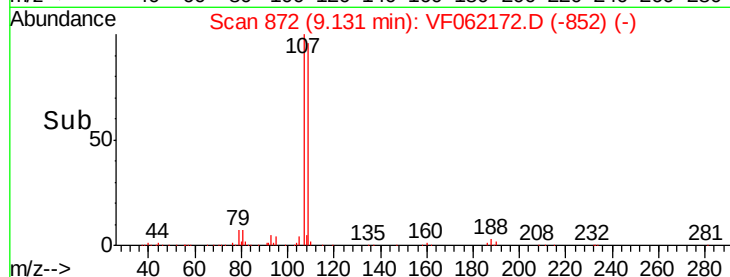
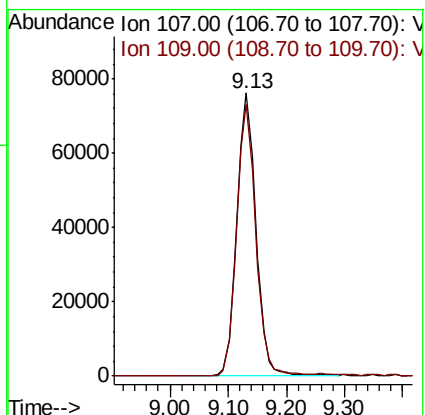
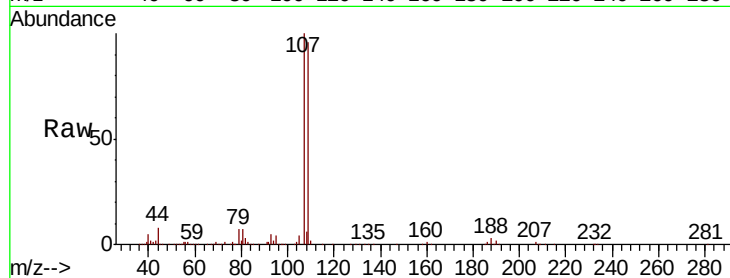
VSTDICCC050

Tot Ion:107 Resp: 175704

Ion Ratio Lower Upper

107 100

109 96.0 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 51.241 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

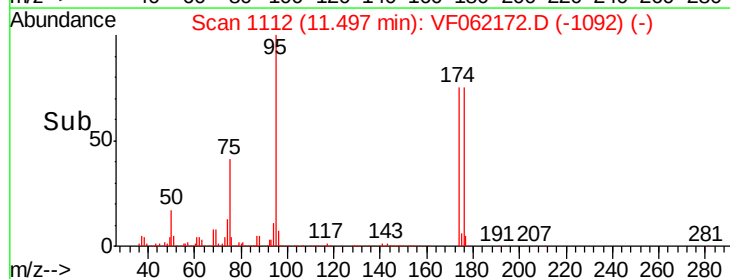
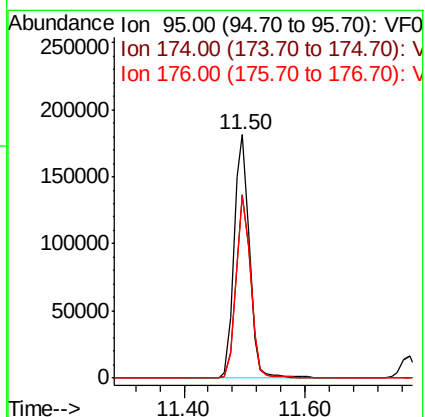
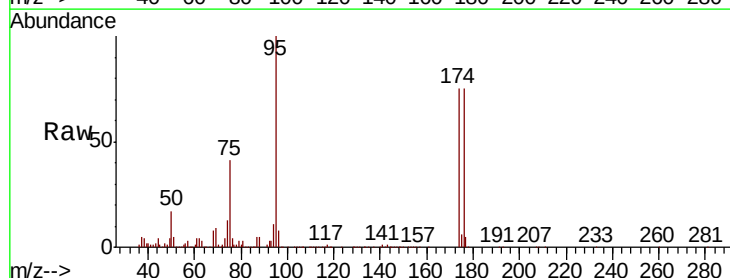
Tgt Ion: 95 Resp: 317579

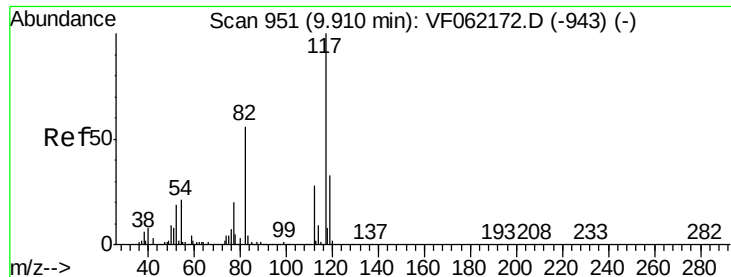
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 74.7 0.0 149.4

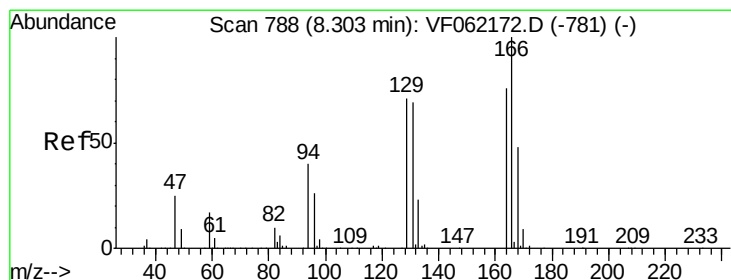
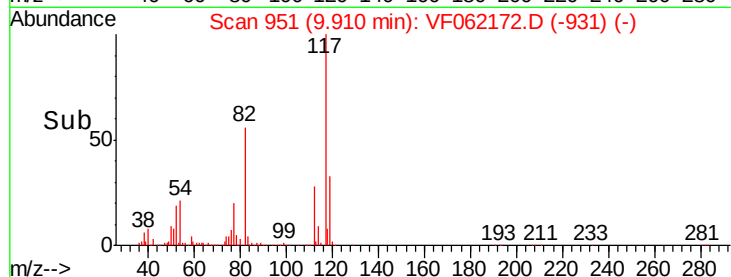
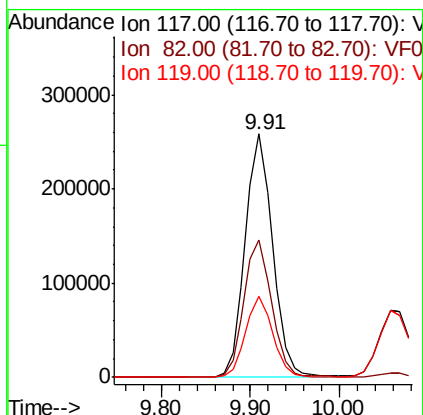
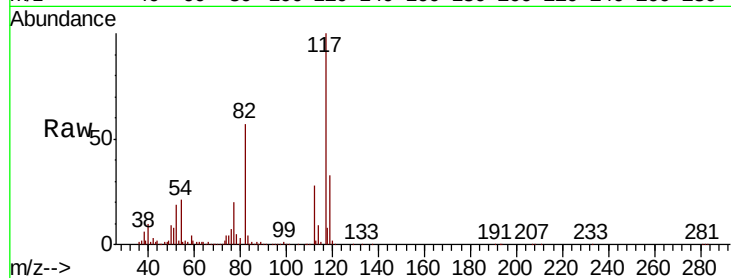




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

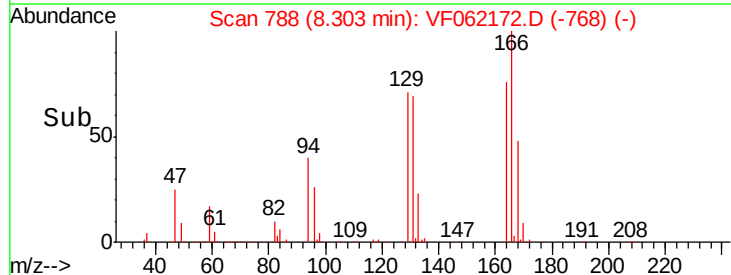
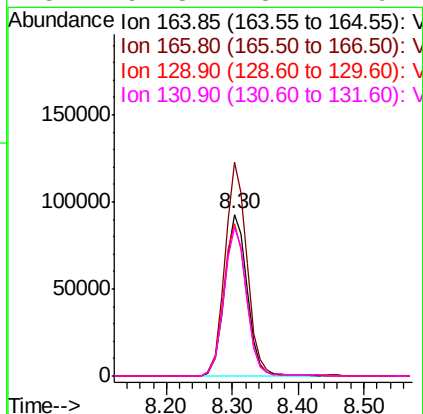
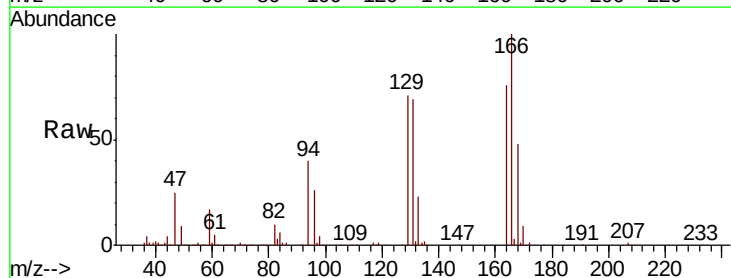
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

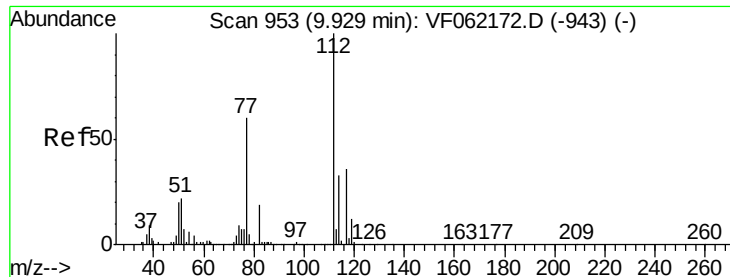
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.2	67.8
119	33.2	26.6	39.8



#64
Tetrachloroethene
Concen: 49.461 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	105.9	158.9
129	94.1	75.3	112.9
131	91.8	73.4	110.2

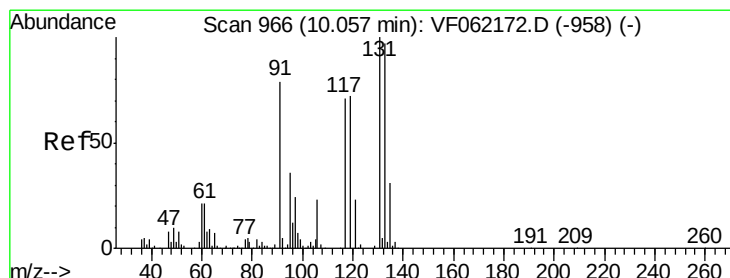
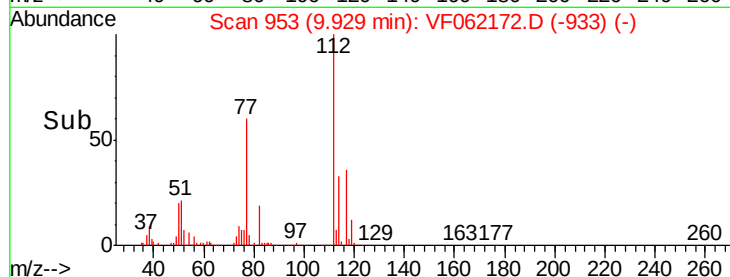
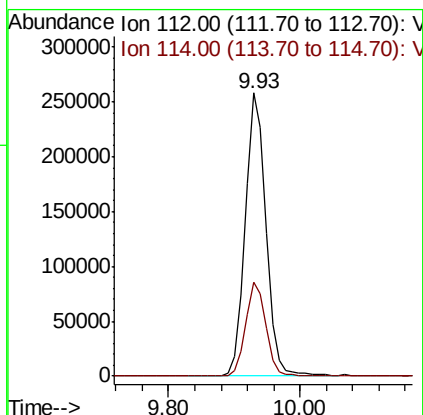
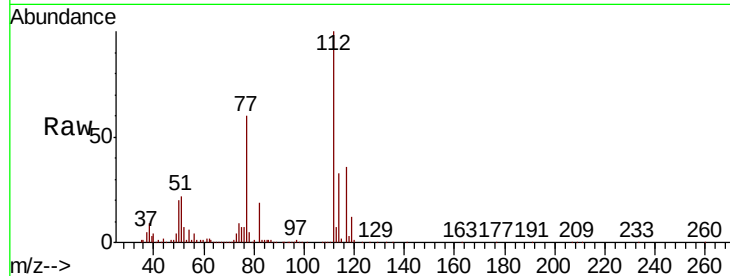




#65
Chlorobenzene
Concen: 49.792 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

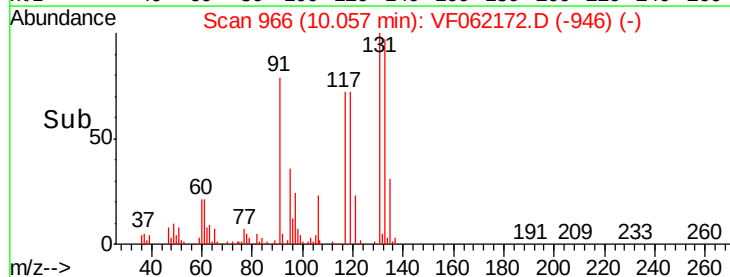
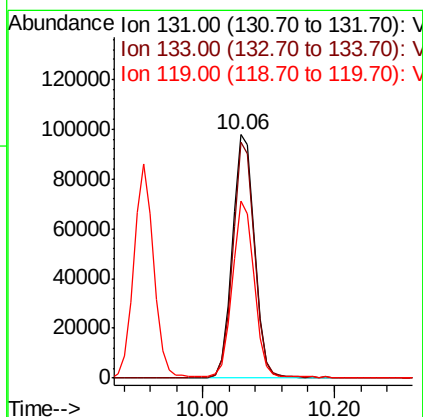
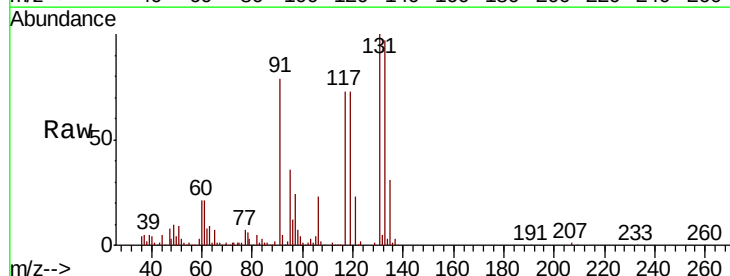
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

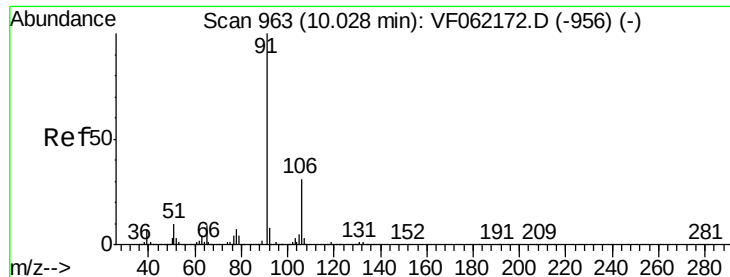
Tot Ion:112 Resp: 571818
Ion Ratio Lower Upper
112 100
114 33.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.951 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion:131 Resp: 232086
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.2
119 72.6 36.3 108.9





#67

Ethyl Benzene

Concen: 49.966 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

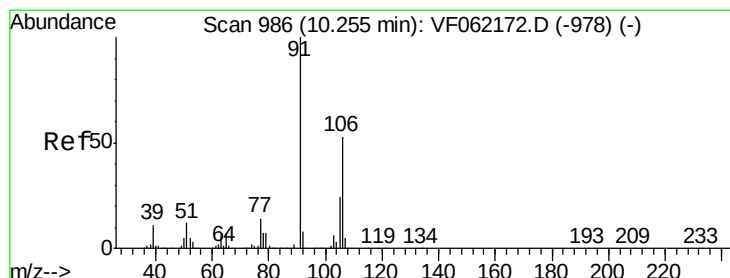
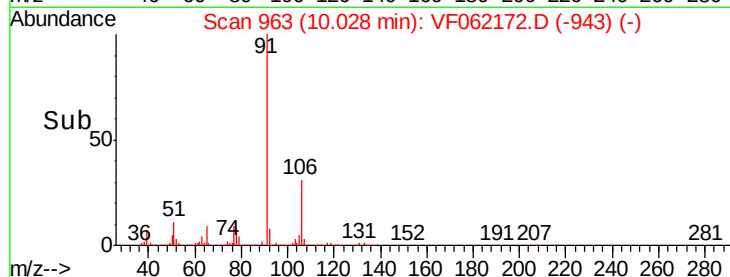
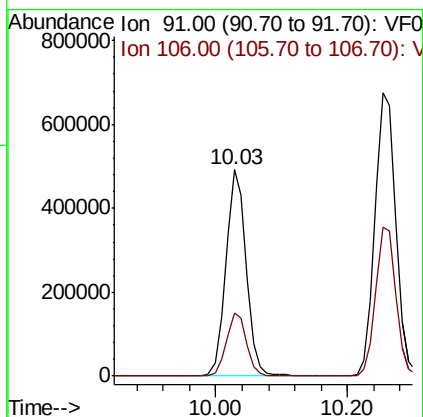
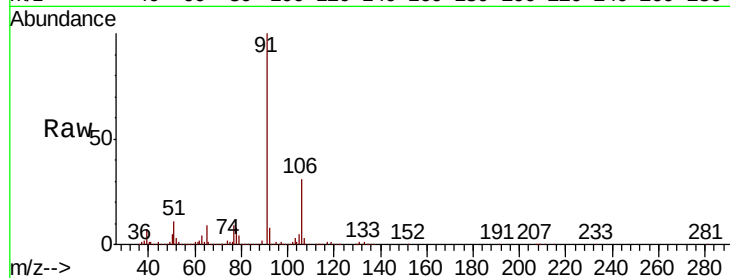
VSTDICCC050

Tot Ion: 91 Resp: 1063667

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



#68

m/p-Xylenes

Concen: 99.487 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.00 min

Lab File: VF062172.D

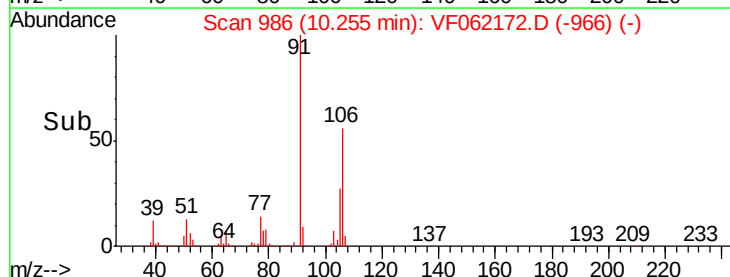
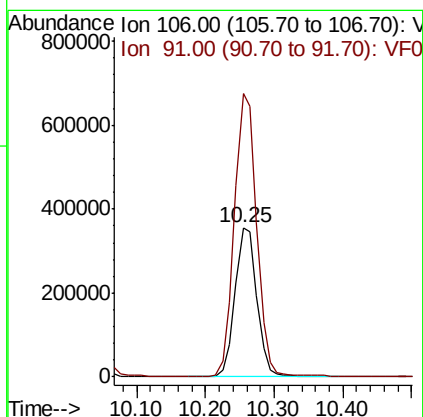
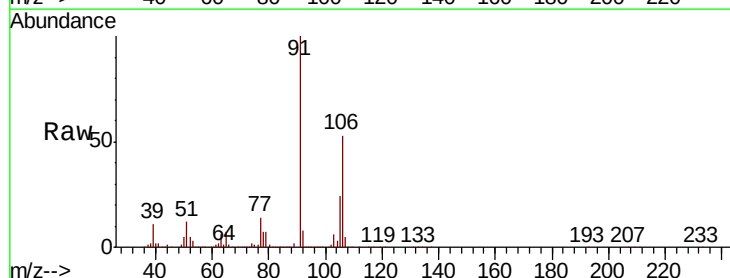
Acq: 16 Apr 2019 12:16

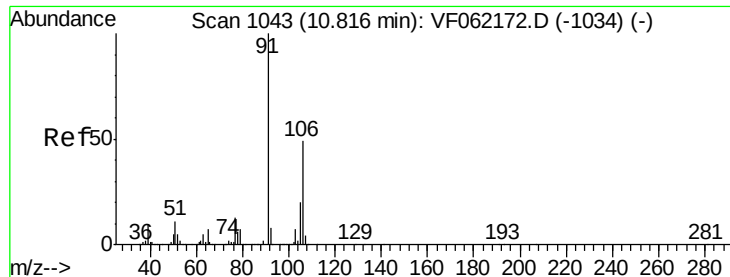
Tgt Ion:106 Resp: 779780

Ion Ratio Lower Upper

106 100

91 189.6 151.7 227.5

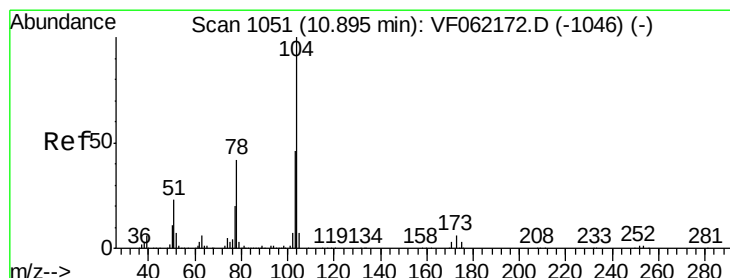
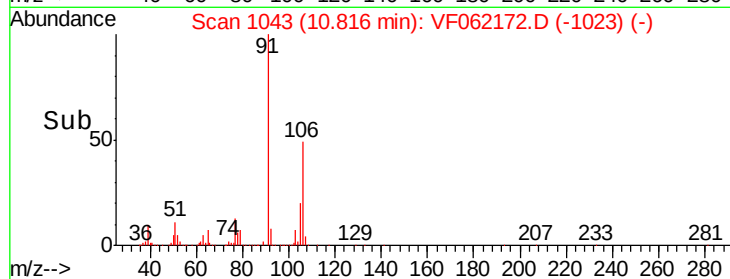
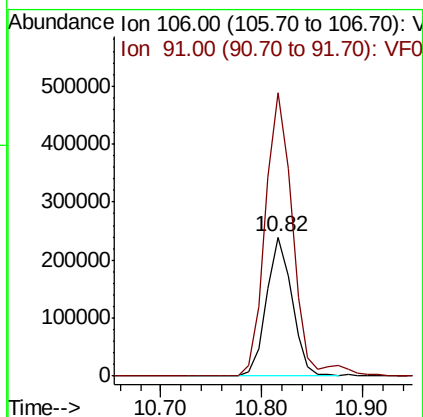
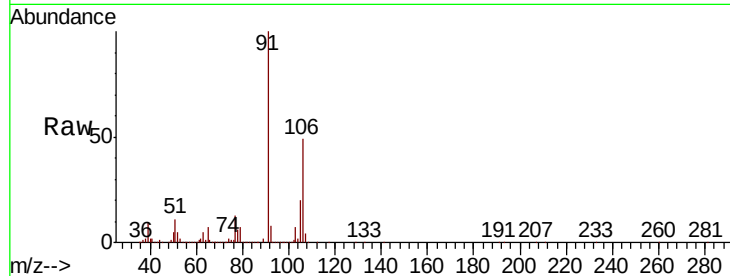




#69
o-Xylene
Concen: 49.556 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

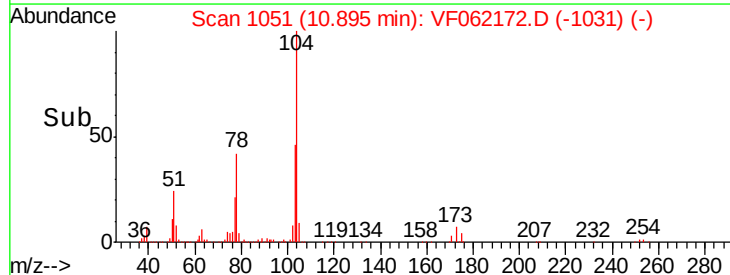
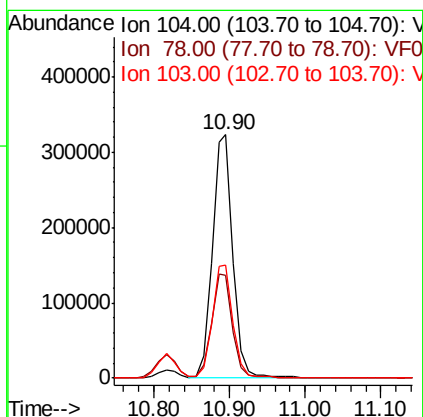
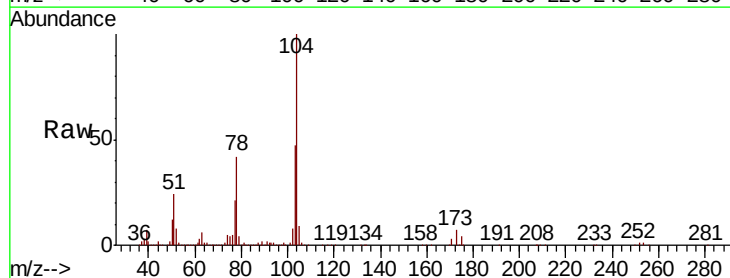
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

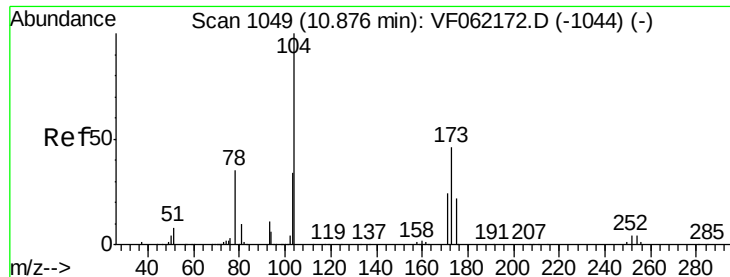
Tot Ion:106 Resp: 420450
Ion Ratio Lower Upper
106 100
91 203.8 101.9 305.7



#70
Styrene
Concen: 49.452 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion:104 Resp: 609924
Ion Ratio Lower Upper
104 100
78 42.1 33.7 50.5
103 46.5 37.2 55.8





#71

Bromoform

Concen: 47.623 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

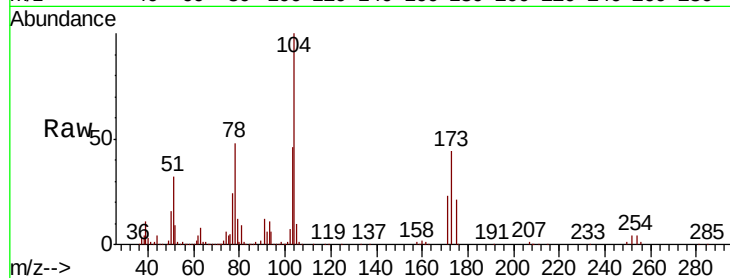
Tot Ion:173 Resp: 118244

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

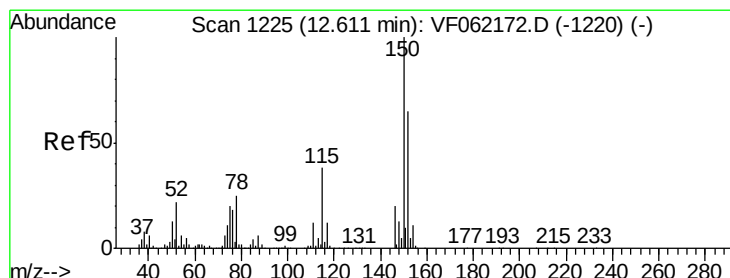
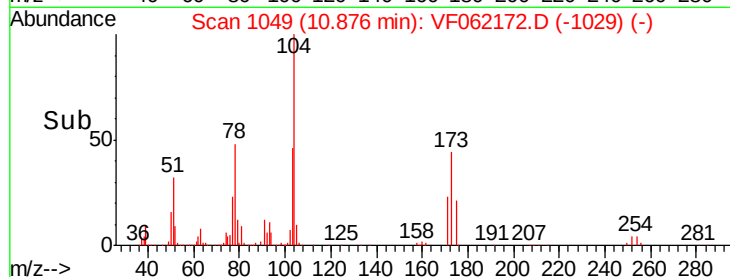
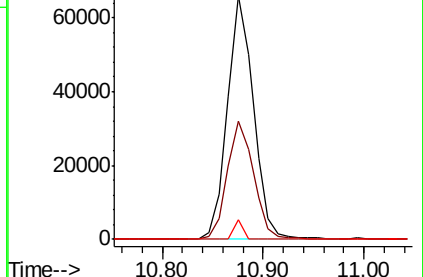
254 8.2 6.6 9.8



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: VF062172.D

Acq: 16 Apr 2019 12:16

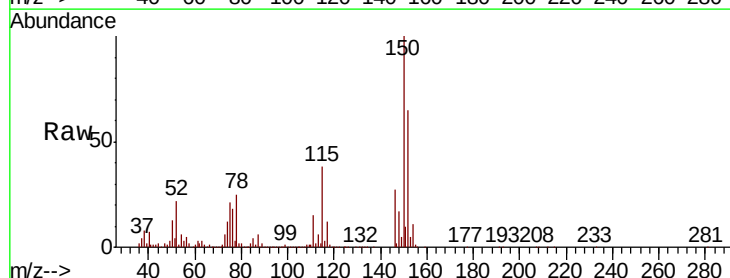
Tgt Ion:152 Resp: 267803

Ion Ratio Lower Upper

152 100

115 58.1 29.0 87.1

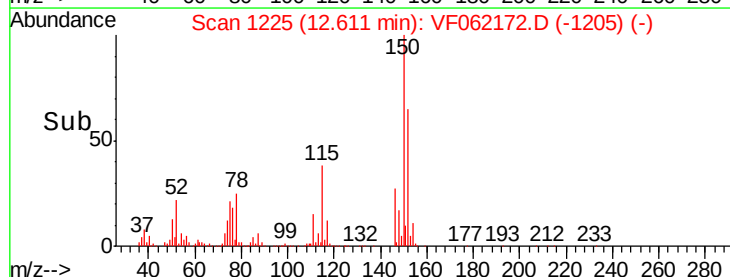
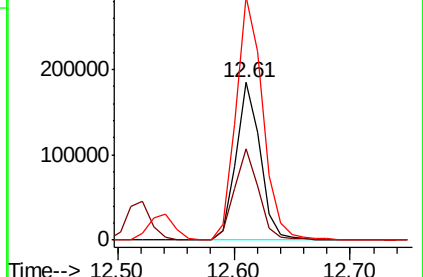
150 154.6 0.0 309.2

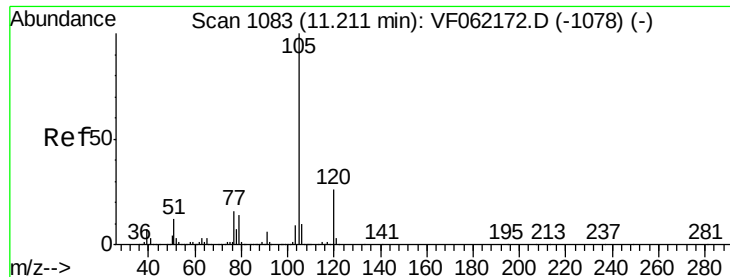


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.743 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

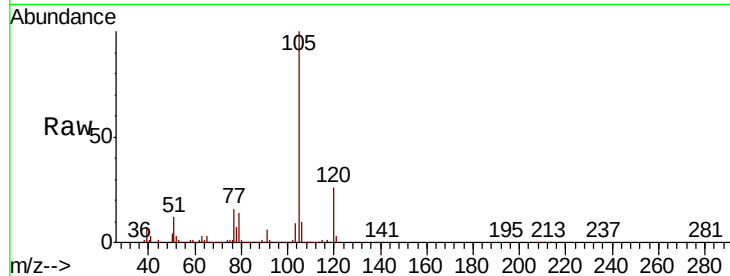
VSTDICCC050

Tot Ion:105 Resp: 1170714

Ion Ratio Lower Upper

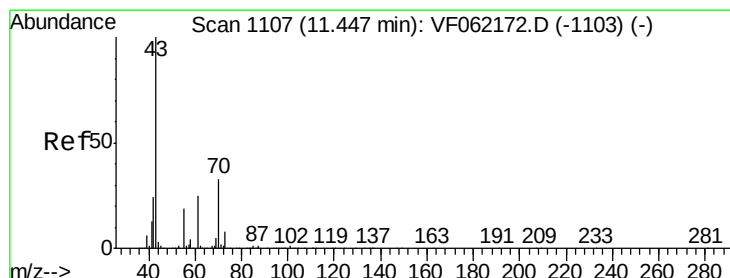
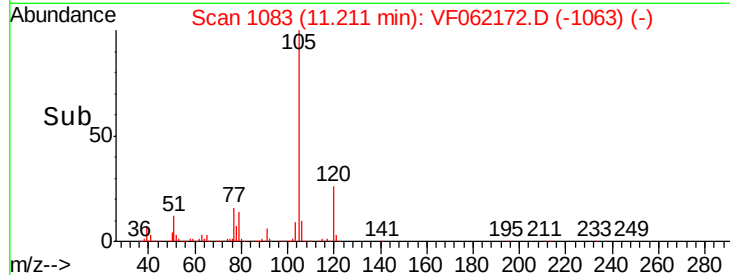
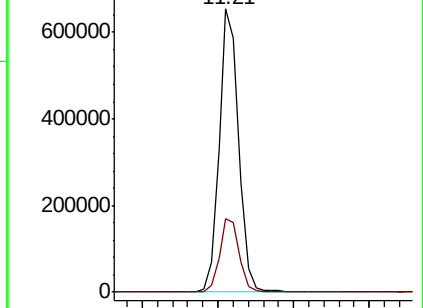
105 100

120 25.9 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: 46.234 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Tgt Ion: 43 Resp: 278030

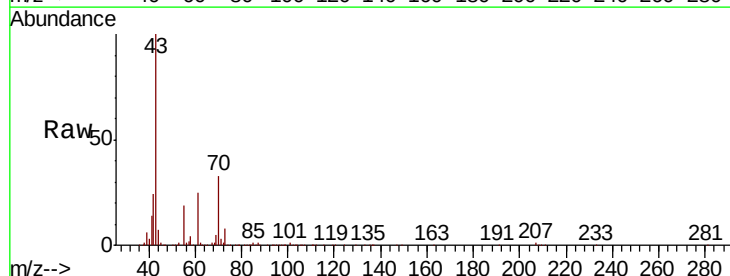
Ion Ratio Lower Upper

43 100

70 33.2 26.6 39.8

55 18.8 15.0 22.6

61 25.0 20.0 30.0

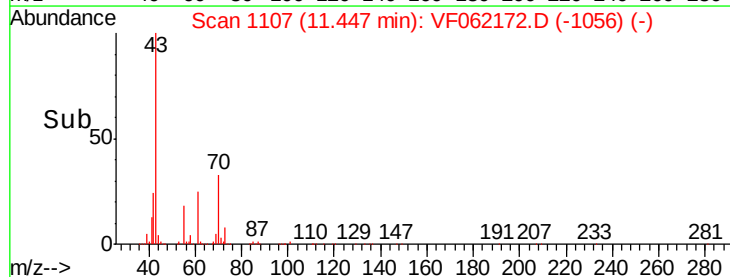
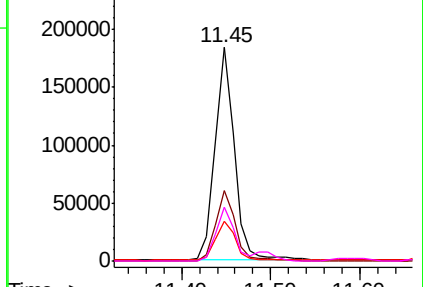


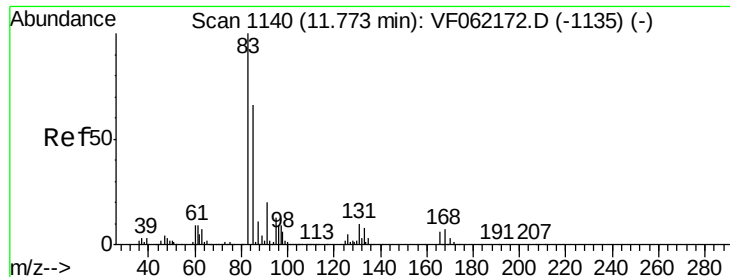
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 49.392 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

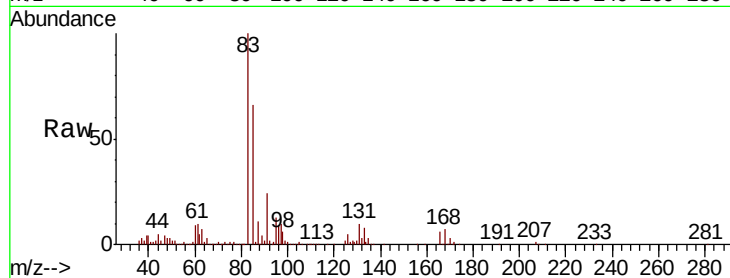
Tot Ion: 83 Resp: 202996

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	66.4	33.2	99.6

83 100

131 9.6 4.8 14.4

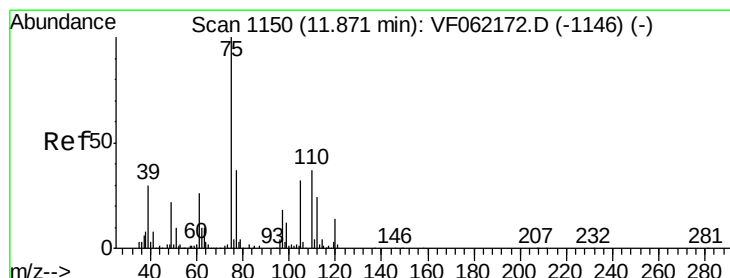
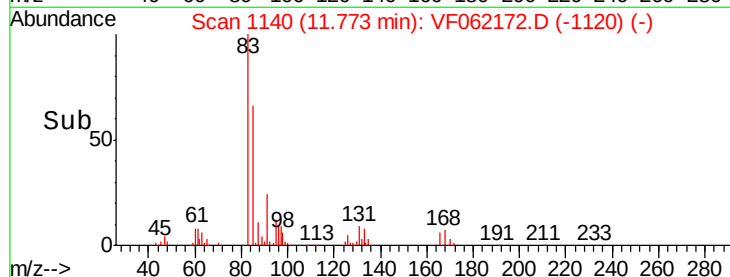
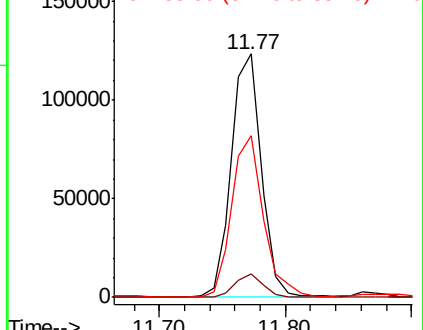
85 66.4 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.710 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062172.D

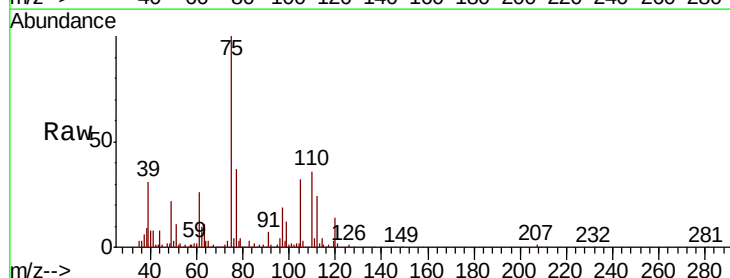
Acq: 16 Apr 2019 12:16

Tgt Ion: 75 Resp: 138431

Ion	Ratio	Lower	Upper
75	100		
77	37.4	18.7	56.1

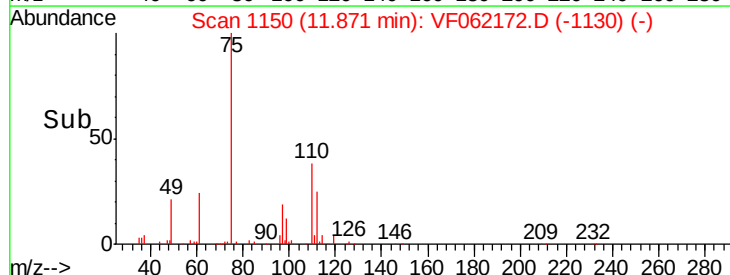
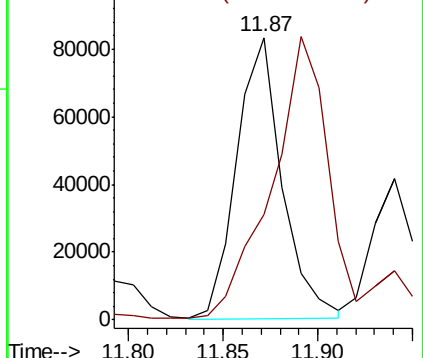
75 100

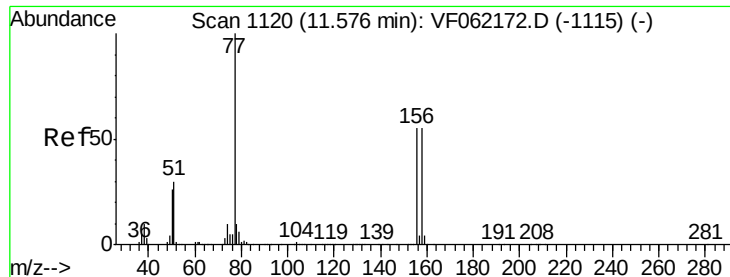
77 37.4 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.745 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

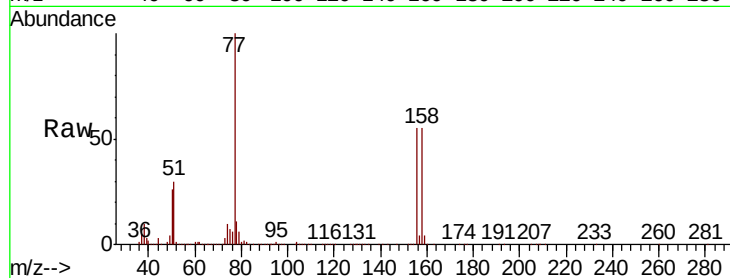
Tot Ion:156 Resp: 238681

Ion Ratio Lower Upper

156 100

77 182.3 91.1 273.4

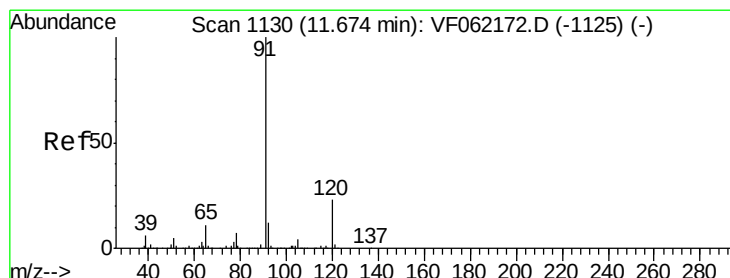
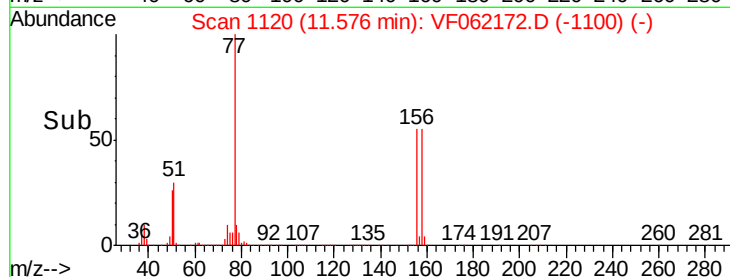
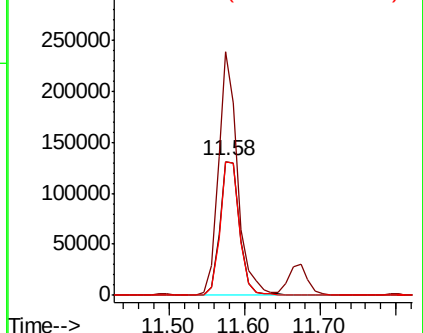
158 100.3 50.1 150.4



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: 49.100 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF062172.D

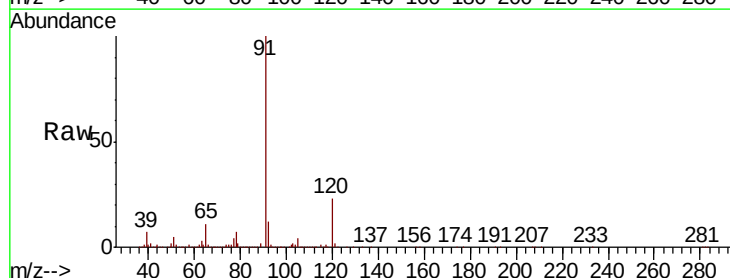
Acq: 16 Apr 2019 12:16

Tgt Ion: 91 Resp: 1287613

Ion Ratio Lower Upper

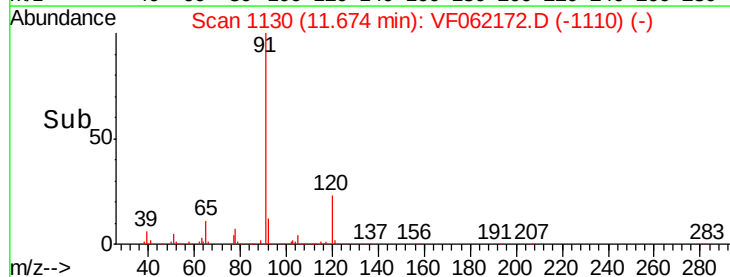
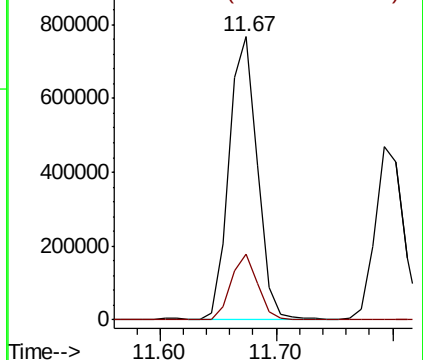
91 100

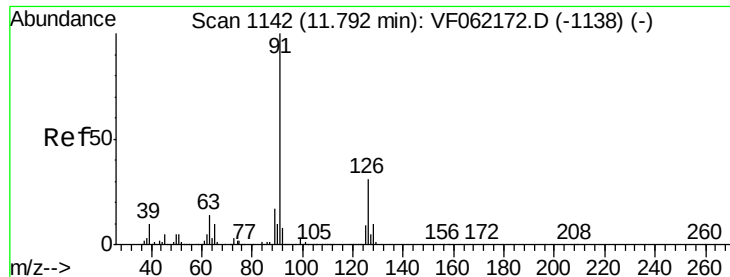
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.451 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

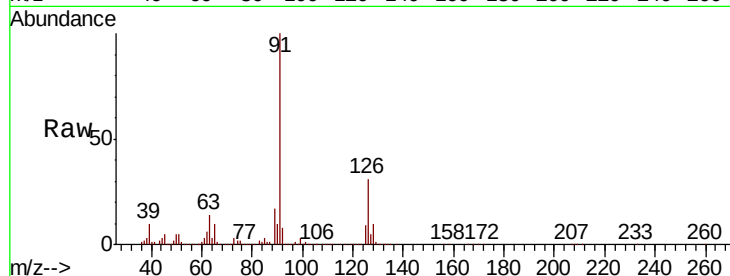
VSTDICCC050

Tot Ion: 91 Resp: 779881

Ion Ratio Lower Upper

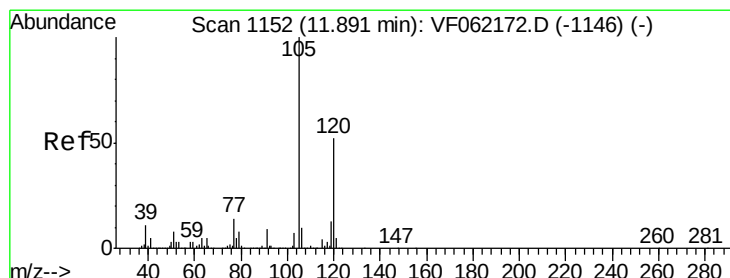
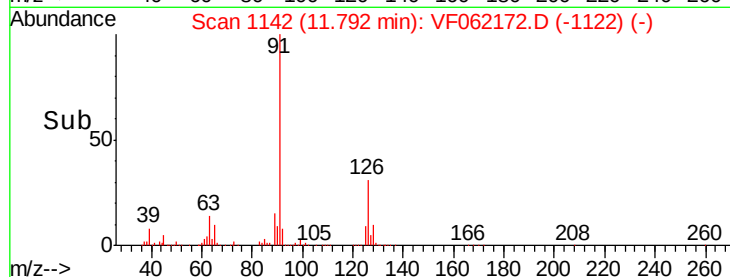
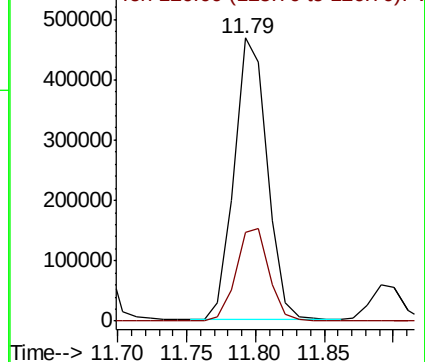
91 100

126 31.2 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: 49.789 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062172.D

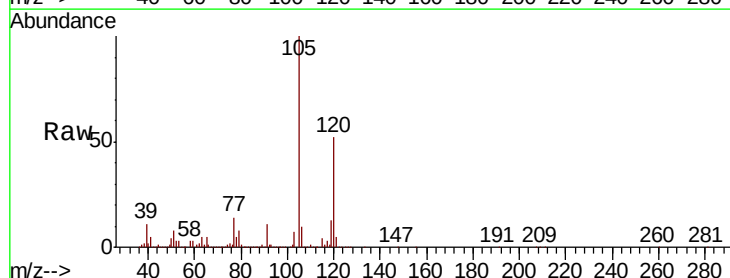
Acq: 16 Apr 2019 12:16

Tgt Ion:105 Resp: 958037

Ion Ratio Lower Upper

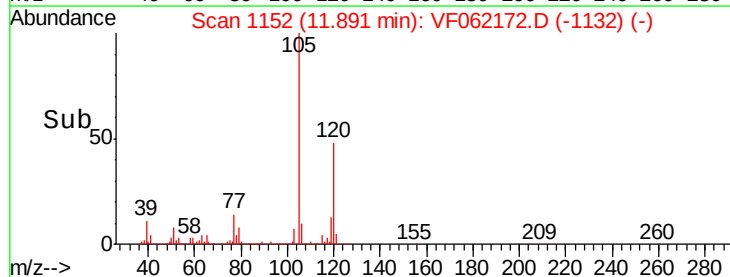
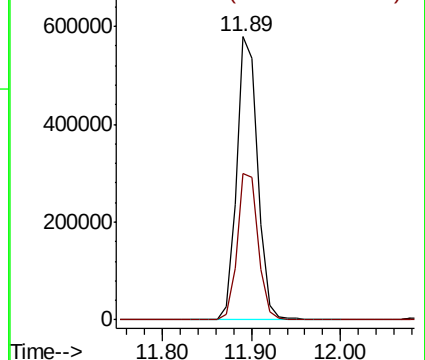
105 100

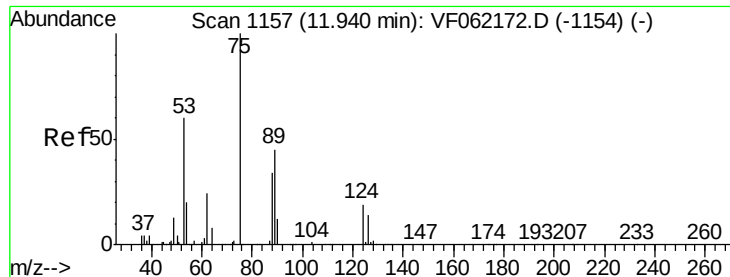
120 51.8 25.9 77.7



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: 57.719 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

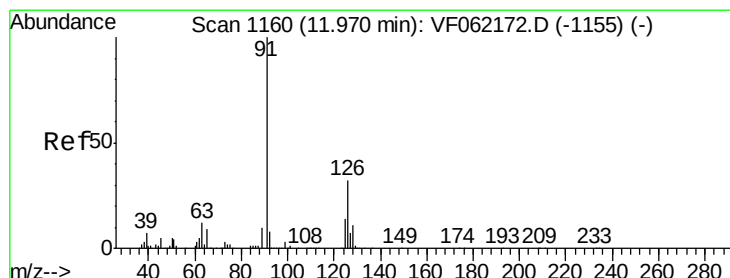
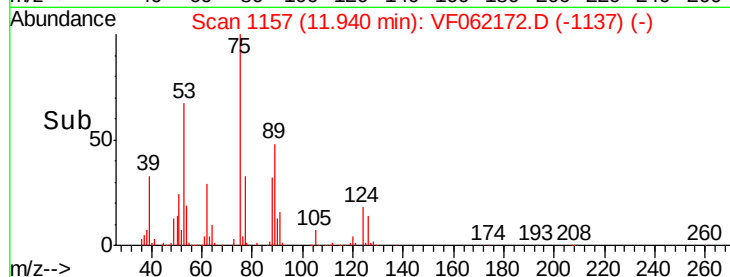
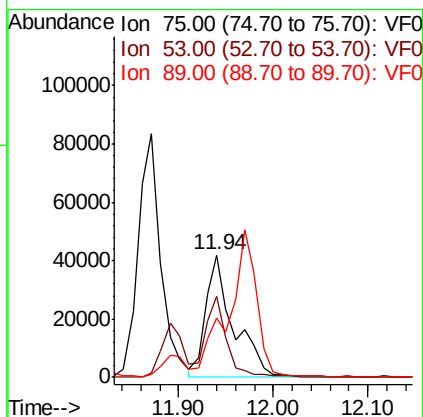
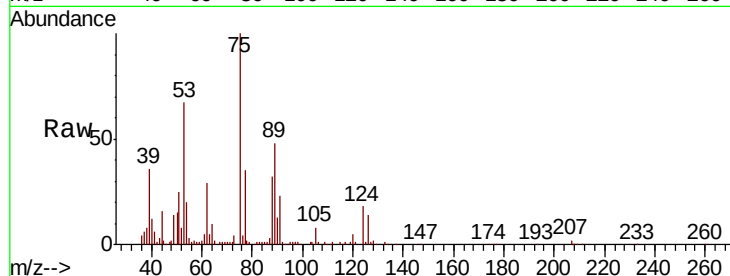
Tot Ion: 75 Resp: 86493

Ion Ratio Lower Upper

75 100

53 66.7 53.4 80.0

89 48.4 38.7 58.1



#82

4-Chlorotoluene

Concen: 50.183 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062172.D

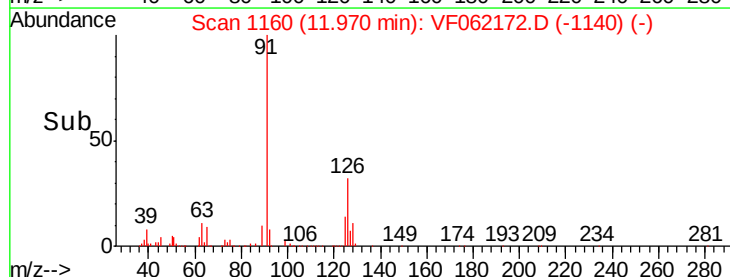
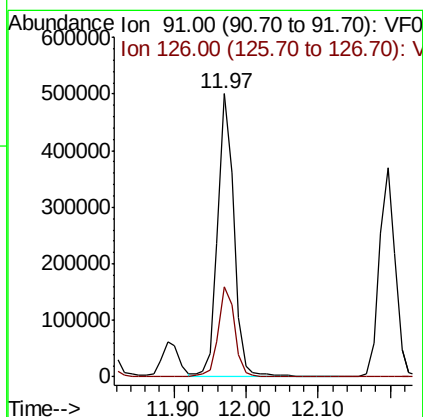
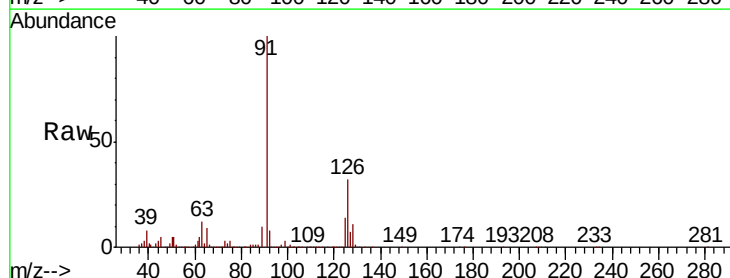
Acq: 16 Apr 2019 12:16

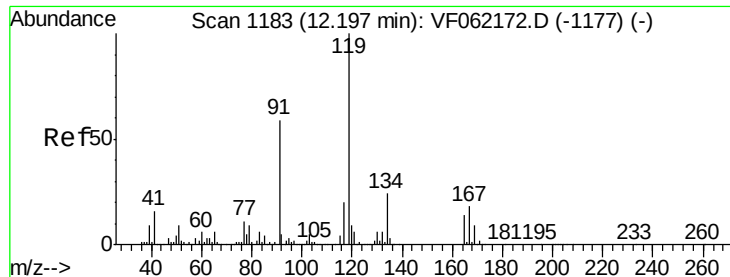
Tgt Ion: 91 Resp: 760209

Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.7

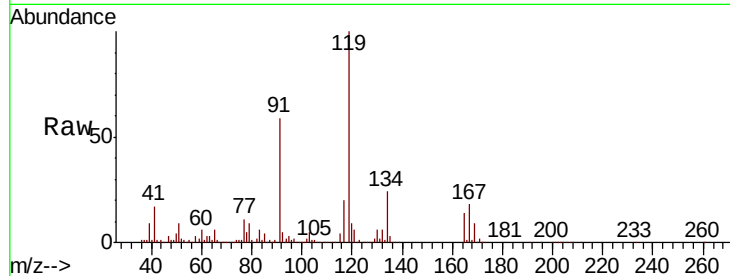




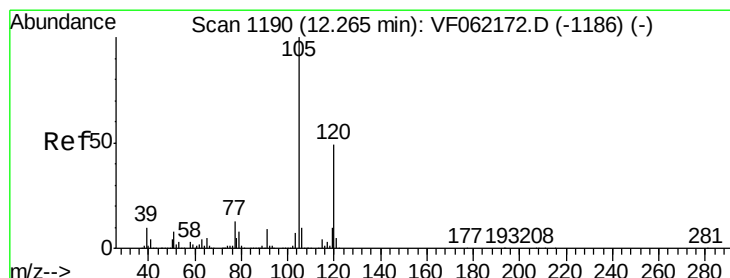
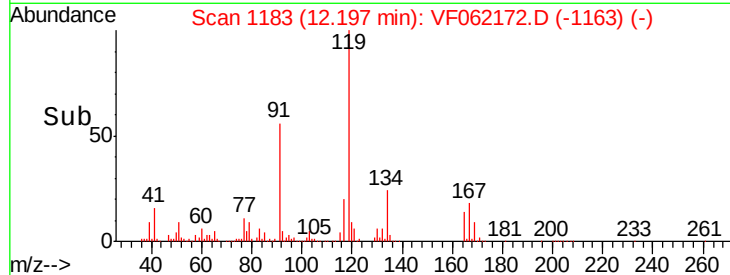
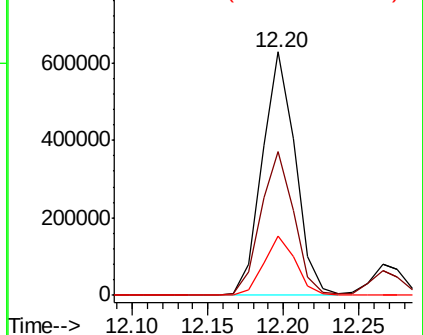
#83
 tert-Butylbenzene
 Concen: 50.304 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 961152
 Ion Ratio Lower Upper
 119 100
 91 59.0 29.5 88.5
 134 24.1 12.0 36.1

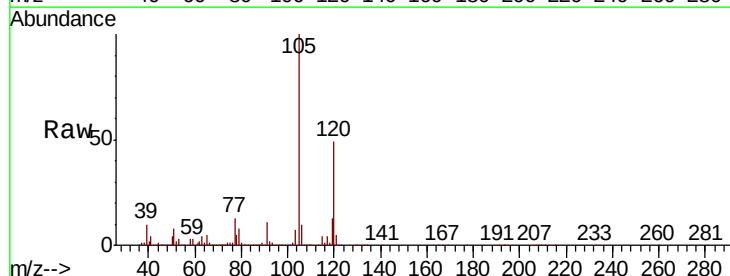


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

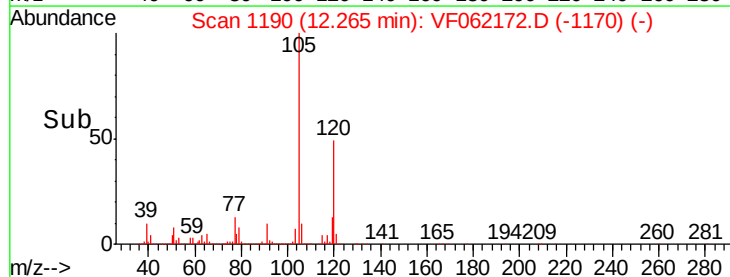
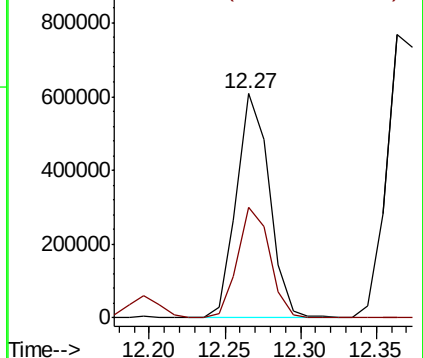


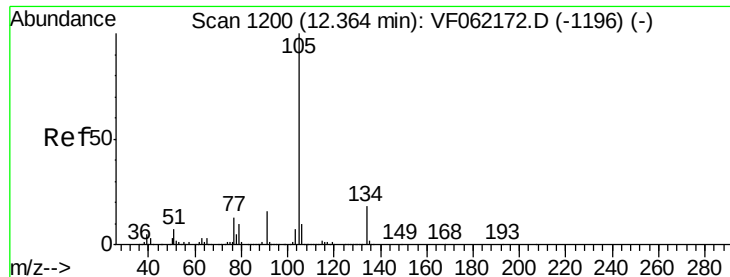
#84
 1,2,4-Trimethylbenzene
 Concen: 49.344 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion:105 Resp: 921451
 Ion Ratio Lower Upper
 105 100
 120 49.4 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: 49.952 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

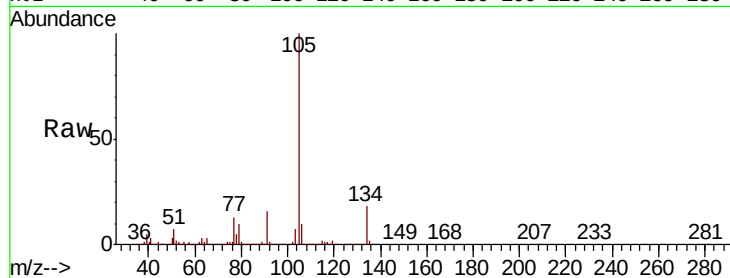
VSTDICCC050

Tot Ion:105 Resp: 1255023

Ion Ratio Lower Upper

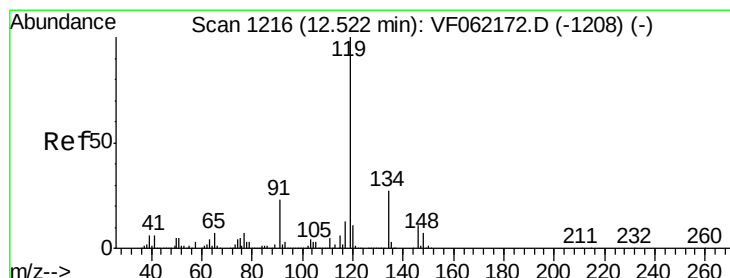
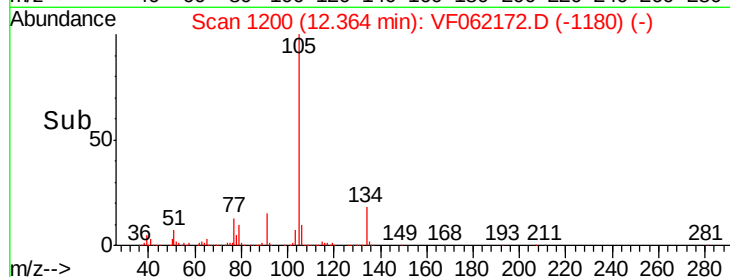
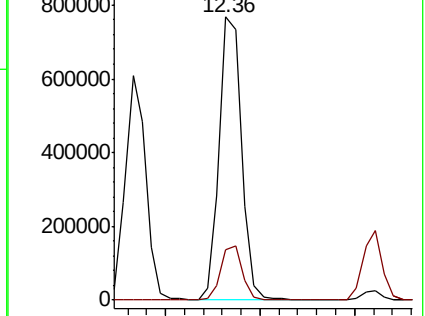
105 100

134 18.0 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: 49.664 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

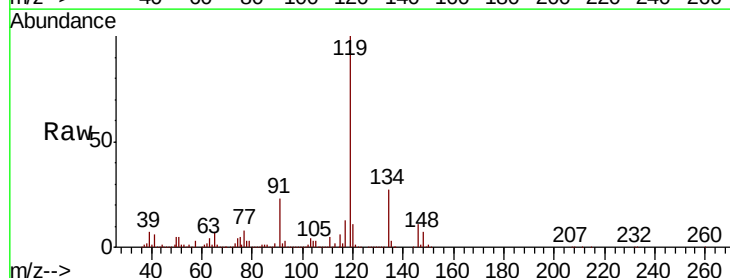
Tgt Ion:119 Resp: 1063011

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

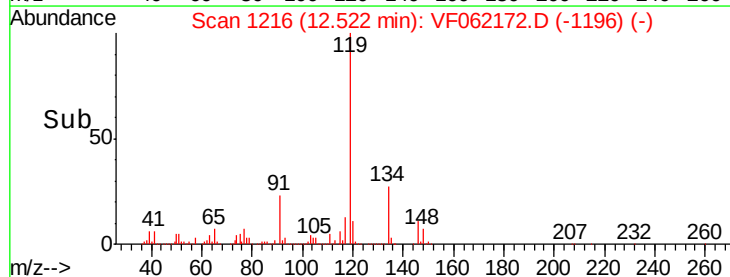
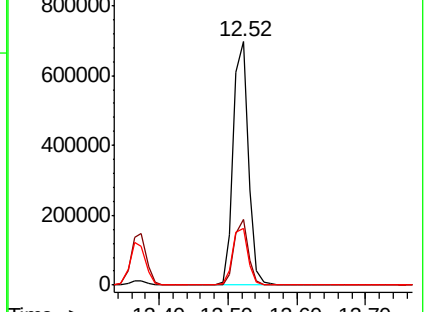
91 23.0 11.5 34.5

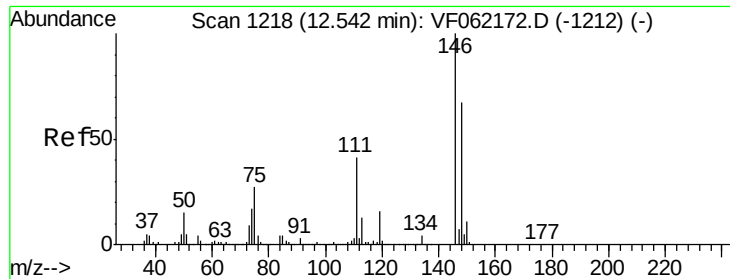


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

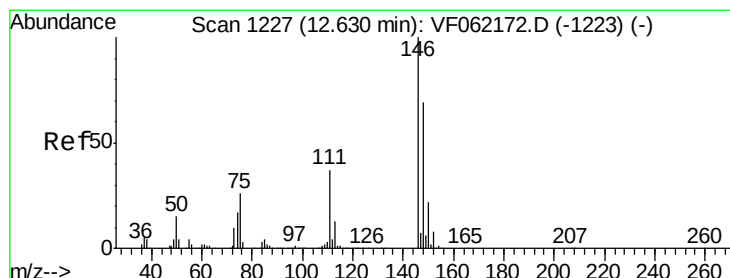
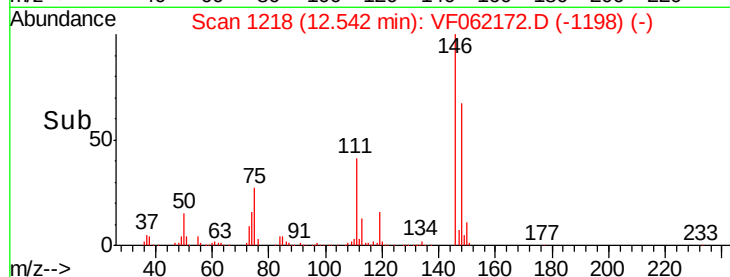
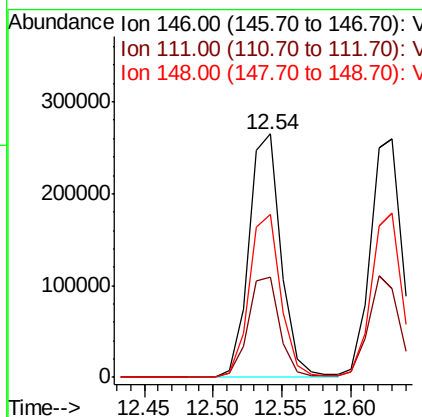
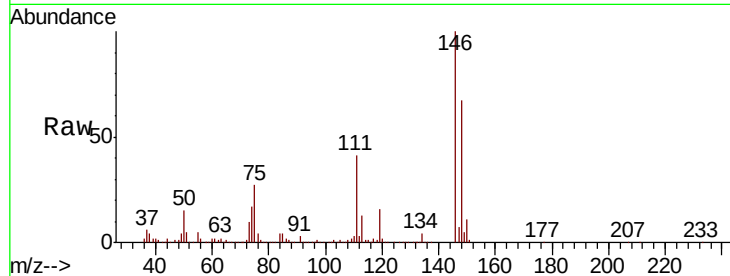




#87
 1,3-Dichlorobenzene
 Concen: 49.314 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

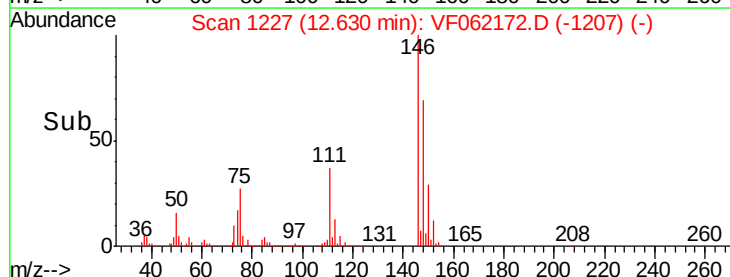
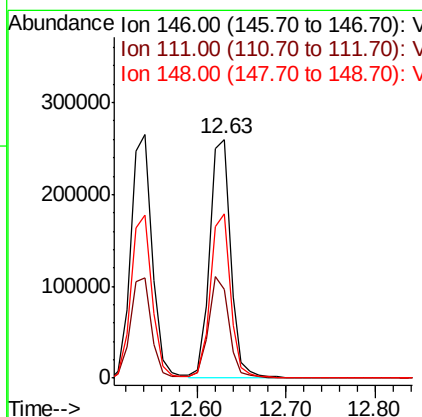
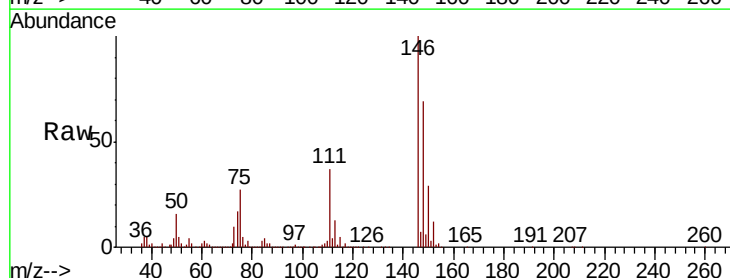
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

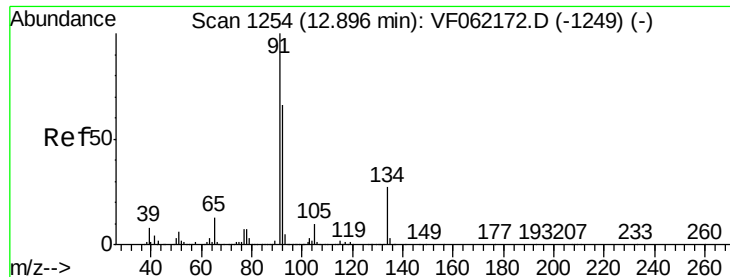
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	67.2	33.6	100.8



#88
 1,4-Dichlorobenzene
 Concen: 49.610 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	68.5	34.3	102.8





#89

n-Butylbenzene

Concen: 48.608 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062172.D

Acq: 16 Apr 2019 12:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

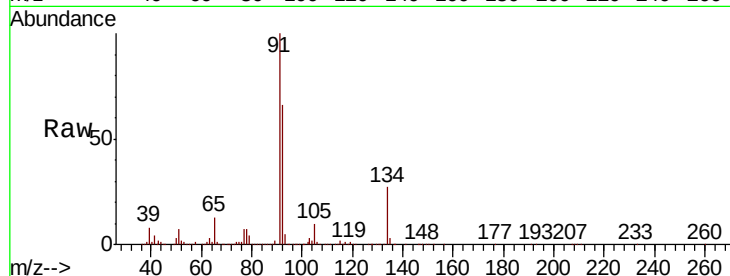
Tot Ion: 91 Resp: 1041329

Ion	Ratio	Lower	Upper
91	100		
92	65.7	32.9	98.6
134	26.8	13.4	40.2

91 100

92 65.7 32.9 98.6

134 26.8 13.4 40.2

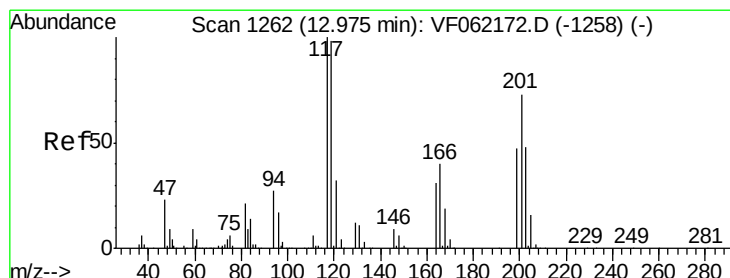
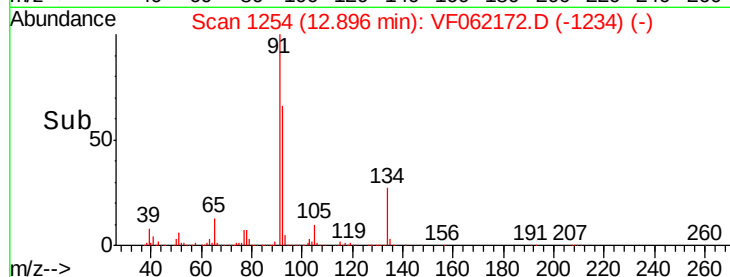
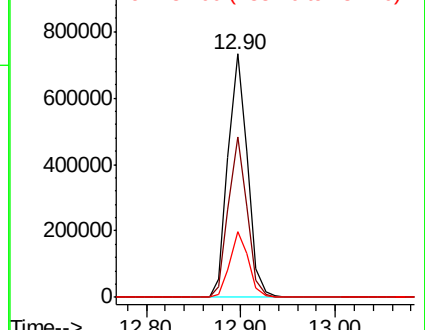


Abundance

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: 50.223 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062172.D

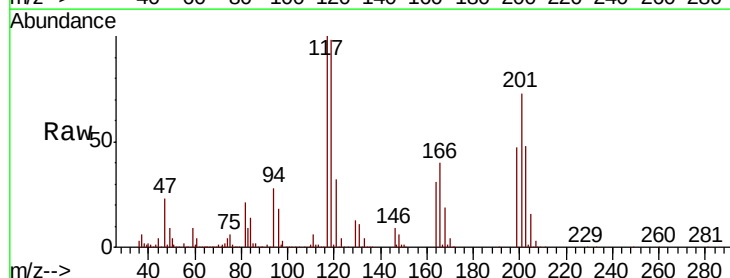
Acq: 16 Apr 2019 12:16

Tgt Ion: 117 Resp: 263319

Ion	Ratio	Lower	Upper
117	100		
201	73.4	36.7	110.1

117 100

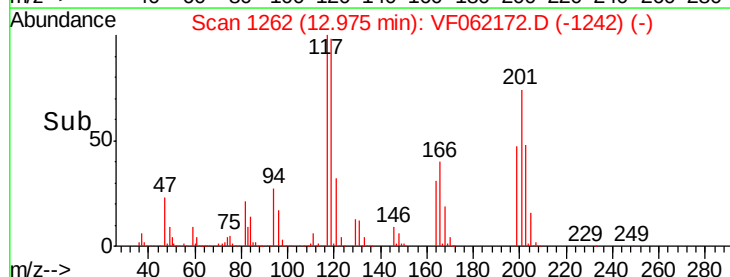
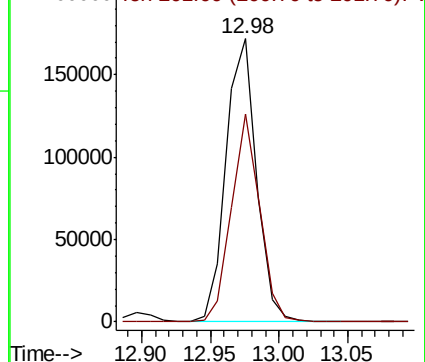
201 73.4 36.7 110.1

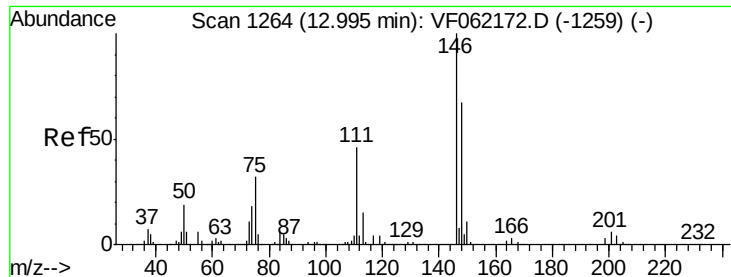


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

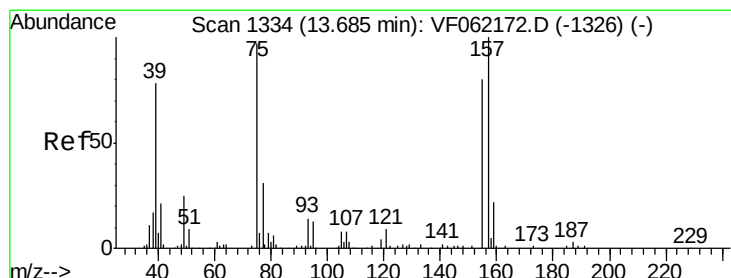
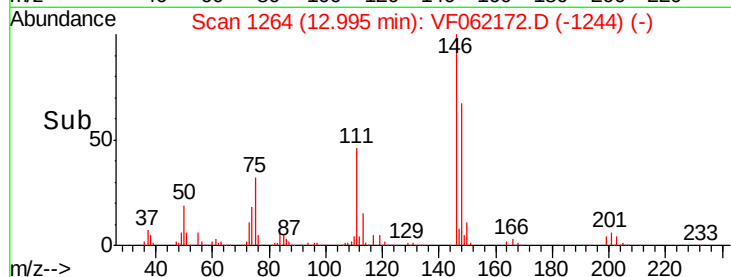
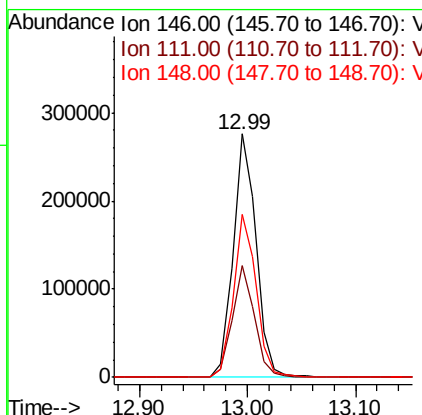
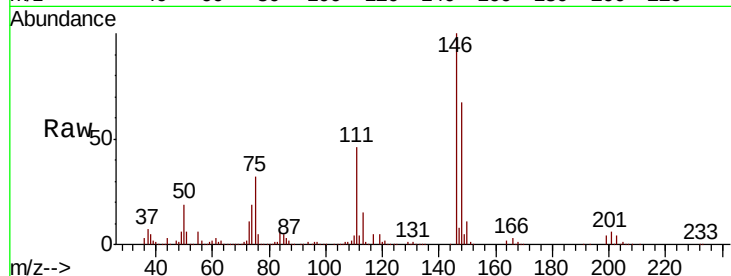




#91
 1,2-Dichlorobenzene
 Concen: 48.418 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

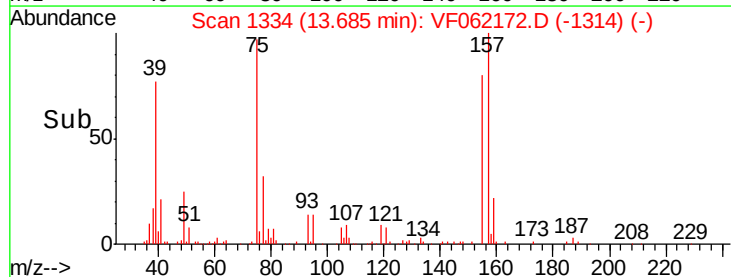
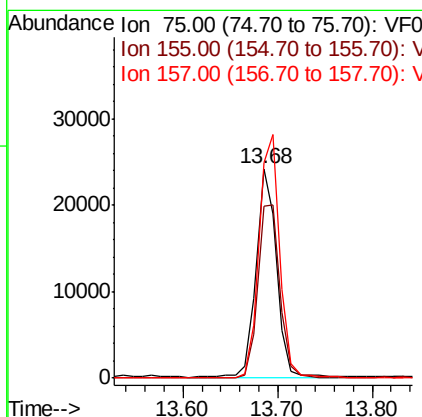
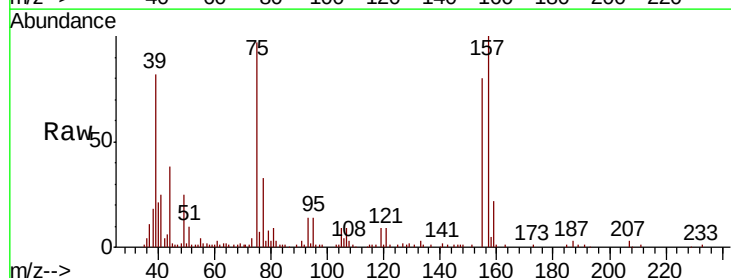
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

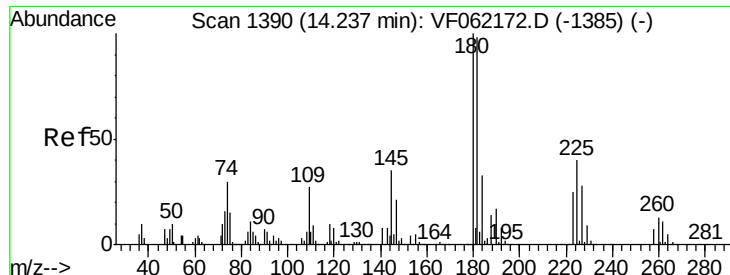
Tot Ion:146 Resp: 407902
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.9 68.8
 148 67.1 33.6 100.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.704 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion: 75 Resp: 36051
 Ion Ratio Lower Upper
 75 100
 155 82.0 41.0 123.0
 157 102.7 51.3 154.0

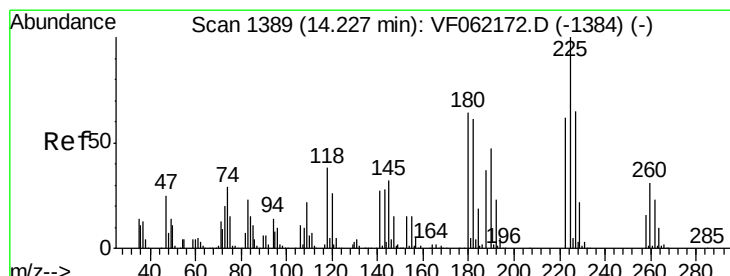
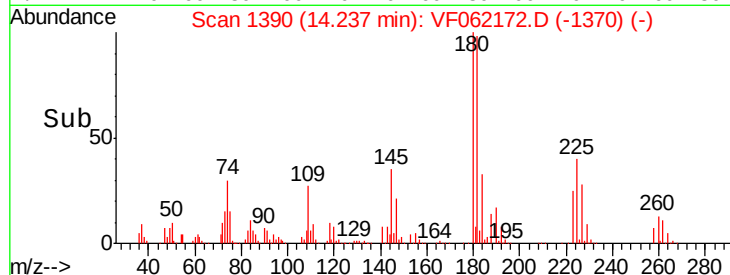
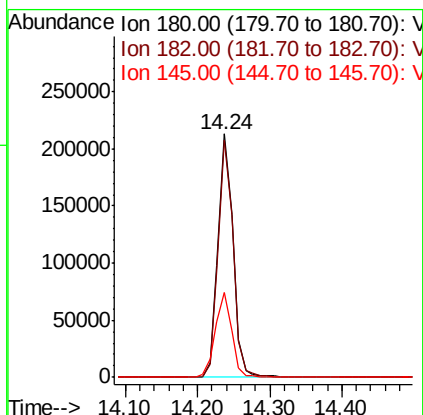
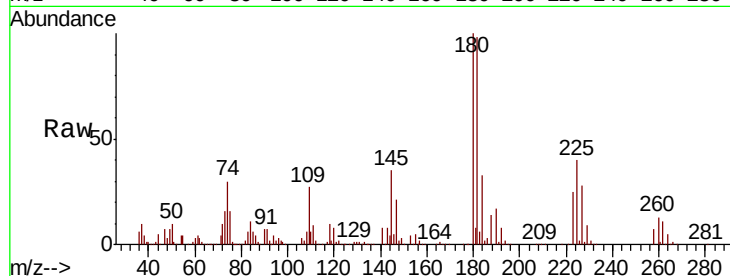




#93
 1,2,4-Trichlorobenzene
 Concen: 48.402 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

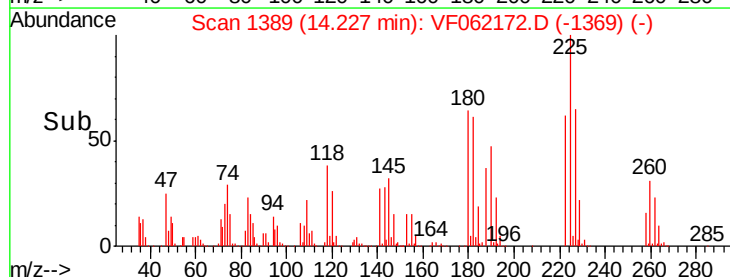
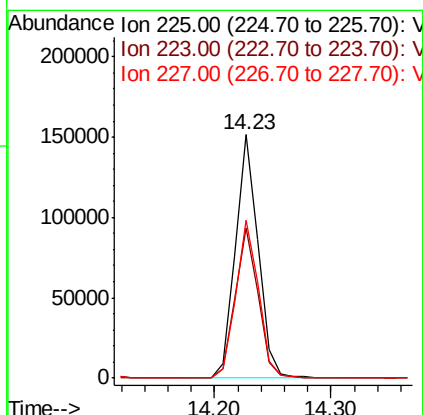
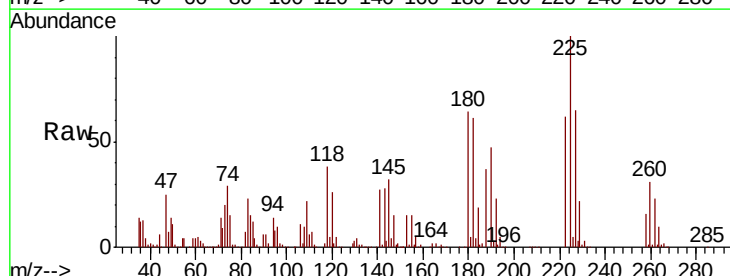
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

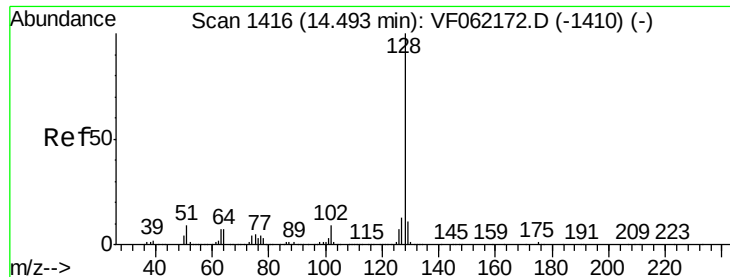
Tot Ion:180 Resp: 306245
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.8 146.4
 145 34.7 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 49.659 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062172.D
 Acq: 16 Apr 2019 12:16

Tgt Ion:225 Resp: 204767
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.7
 227 64.6 32.3 96.9

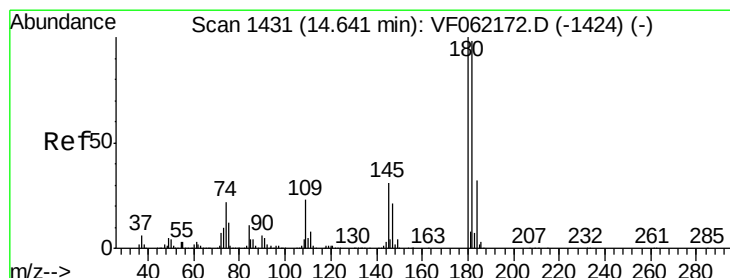
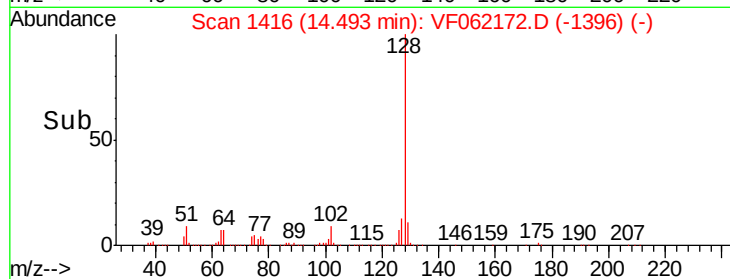
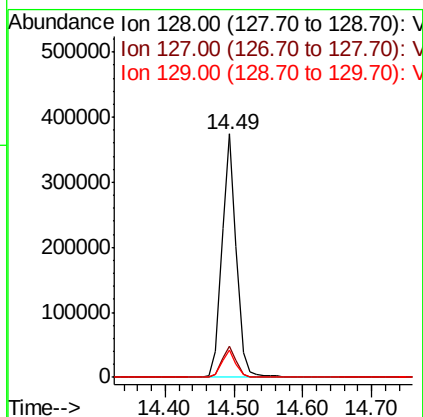
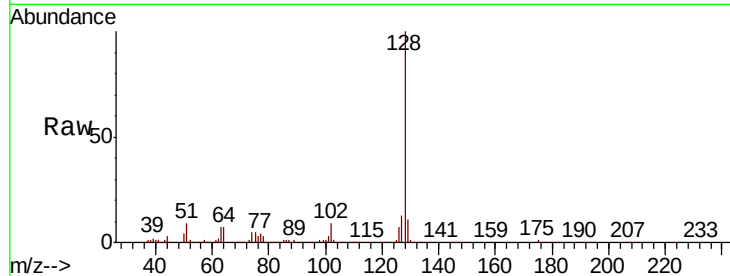




#95
Naphthalene
Concen: 48.784 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 539269
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.5 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 49.685 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062172.D
Acq: 16 Apr 2019 12:16

Tgt Ion:180 Resp: 292885
Ion Ratio Lower Upper
180 100
182 98.1 49.0 147.2
145 30.8 15.4 46.2

