

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062115.D
 Acq On : 23 Mar 2019 14:13
 Operator : VA/AP
 Sample : VBF0323SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 25 01:27:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	269728	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	417487	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	350941	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	187074	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	91790	45.75	ug/l	-0.03
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	4.11	113	129123	45.72	ug/l	-0.03
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	7.56	98	367314	43.57	ug/l	-0.03
Spiked Amount			Recovery	=	87.14%	
62) 4-Bromofluorobenzene	11.41	95	145401	44.68	ug/l	-0.02
Spiked Amount			Recovery	=	89.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	79129	22.900	ug/l	98
3) Chloromethane	1.11	50	68836	19.039	ug/l	97
4) Vinyl Chloride	1.15	62	67833	20.283	ug/l	95
5) Bromomethane	1.32	94	49432	20.562	ug/l	90
6) Chloroethane	1.38	64	35672	21.188	ug/l	99
7) Trichlorofluoromethane	1.48	101	88889	22.007	ug/l	100
8) Diethyl Ether	1.63	74	19432	21.061	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	57472	20.857	ug/l	97
10) Methyl Iodide	1.91	142	85682	16.363	ug/l	98
11) Tert butyl alcohol	2.58	59	10996	99.612	ug/l	95
12) 1,1-Dichloroethene	1.80	96	52408	20.157	ug/l	97
13) Acrolein	2.00	56	14155	106.635	ug/l	94
14) Allyl chloride	2.09	41	61652	22.210	ug/l	93
15) Acrylonitrile	2.94	53	41260	106.292	ug/l	88
16) Acetone	2.24	43	46504	110.134	ug/l	96
17) Carbon Disulfide	1.83	76	162067	20.442	ug/l #	92
18) Methyl Acetate	2.35	43	19219	19.081	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	89323	21.737	ug/l	98
20) Methylene Chloride	2.18	84	23066	6.277	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	54745	21.884	ug/l	91
22) Diisopropyl ether	2.80	45	154930	21.288	ug/l	97
23) Vinyl Acetate	3.19	43	318992	107.052	ug/l	99
24) 1,1-Dichloroethane	2.87	63	95695	21.926	ug/l	97
25) 2-Butanone	4.34	43	88681	100.602	ug/l	100
26) 2,2-Dichloropropane	3.60	77	39213	22.160	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	70738	21.339	ug/l	98
28) Bromochloromethane	3.72	49	39691	22.258	ug/l	89
29) Tetrahydrofuran	4.08	42	39597	103.316	ug/l	97
30) Chloroform	3.87	83	101709	22.051	ug/l	98
31) Cyclohexane	3.69	56	49909	10.949	ug/l	95
32) 1,1,1-Trichloroethane	4.10	97	67648	24.111	ug/l #	93
36) 1,1-Dichloropropene	4.28	75	82682	20.792	ug/l	93
37) Ethyl Acetate	4.11	43	35387	20.362	ug/l #	98
38) Carbon Tetrachloride	4.00	117	65438	24.144	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	98615	21.367	ug/l	94
40) Benzene	4.64	78	227102	21.303	ug/l	96
41) Methacrylonitrile	4.76	41	19178	20.856	ug/l	95
42) 1,2-Dichloroethane	4.94	62	54595	21.657	ug/l	94
43) Isopropyl Acetate	6.96	43	40478	19.233	ug/l #	97
44) Trichloroethene	5.51	130	68892	21.137	ug/l	91
45) 1,2-Dichloropropane	6.24	63	53615	21.087	ug/l	91
46) Dibromomethane	6.09	93	32693	21.029	ug/l	95
47) Bromodichloromethane	6.39	83	71144	20.660	ug/l	99
48) Methyl methacrylate	6.72	41	23463	19.580	ug/l	96
49) 1,4-Dioxane	6.71	88	4490	427.011	ug/l #	80
51) 4-Methyl-2-Pentanone	8.27	43	147818	104.935	ug/l	99
52) Toluene	7.63	92	129810	21.023	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	58396	21.602	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	78675	20.341	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	37208	21.215	ug/l	95
56) Ethyl methacrylate	8.62	69	45041	21.533	ug/l	97
57) 1,3-Dichloropropane	8.86	76	61918	21.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	32477	102.323	ug/l	95
59) 2-Hexanone	9.49	43	111371	107.873	ug/l	91
60) Dibromochloromethane	8.72	129	49276	20.210	ug/l	100
61) 1,2-Dibromoethane	8.99	107	38764	20.717	ug/l	99
64) Tetrachloroethene	8.16	164	58092	21.426	ug/l	94
65) Chlorobenzene	9.80	112	140016	21.323	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	57671	21.865	ug/l	99
67) Ethyl Benzene	9.90	91	245235	21.475	ug/l	98
68) m/p-Xylenes	10.13	106	182955	42.865	ug/l	94
69) o-Xylene	10.71	106	97055	21.711	ug/l	94
70) Styrene	10.79	104	145173	21.434	ug/l	99
71) Bromoform	10.77	173	29498	21.865	ug/l #	98
73) Isopropylbenzene	11.13	105	278430	21.151	ug/l	97
74) N-amyl acetate	11.37	43	64196	20.467	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	48601	21.503	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	33211	20.879	ug/l	98
77) Bromobenzene	11.50	156	67698	21.050	ug/l	94
78) n-propylbenzene	11.60	91	334299	21.870	ug/l	98
79) 2-Chlorotoluene	11.72	91	183600	21.610	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	236350	21.828	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	17972	27.728	ug/l #	87
82) 4-Chlorotoluene	11.90	91	190202	21.834	ug/l	97
83) tert-Butylbenzene	12.13	119	241872	21.339	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	234475	22.090	ug/l	93
85) sec-Butylbenzene	12.31	105	320927	21.887	ug/l	99
86) p-Isopropyltoluene	12.46	119	280987	22.118	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	129291	21.638	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	125792	21.575	ug/l	98
89) n-Butylbenzene	12.84	91	272192	22.458	ug/l	95
90) Hexachloroethane	12.92	117	66117	21.857	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	119409	21.283	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6936	20.253	ug/l	80

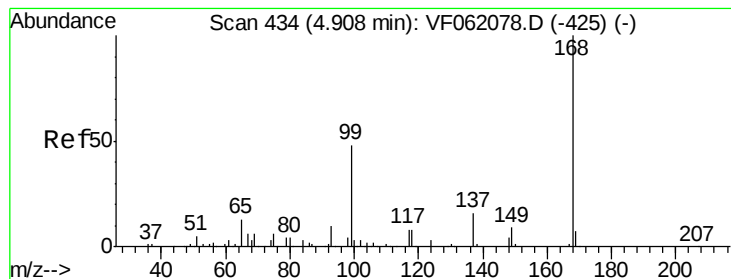
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	87075	22.268	ug/l	96
94) Hexachlorobutadiene	14.19	225	57023	21.932	ug/l	97
95) Naphthalene	14.46	128	142917	20.856	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	76086	20.787	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

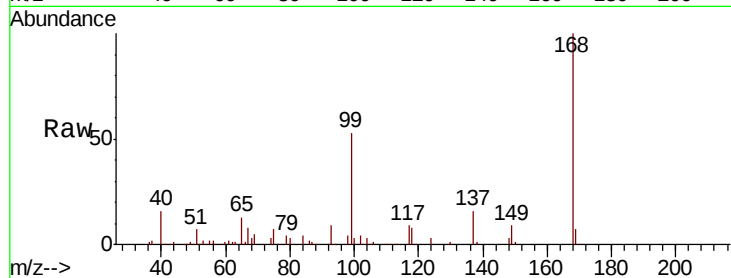
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 269728

Ion Ratio Lower Upper

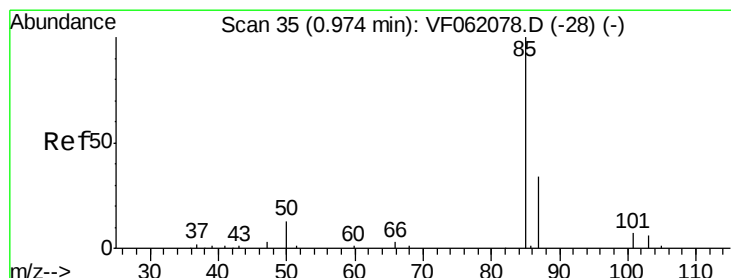
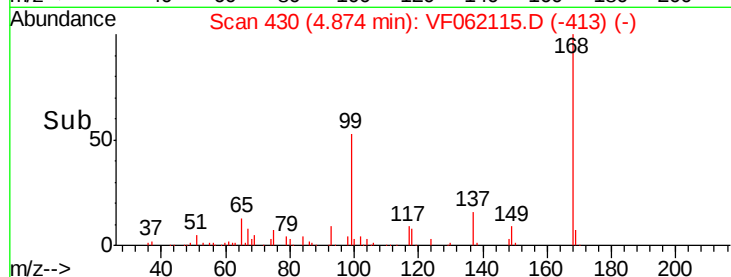
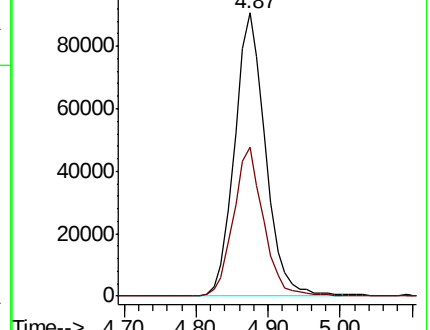
168 100

99 52.6 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.900 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF062115.D

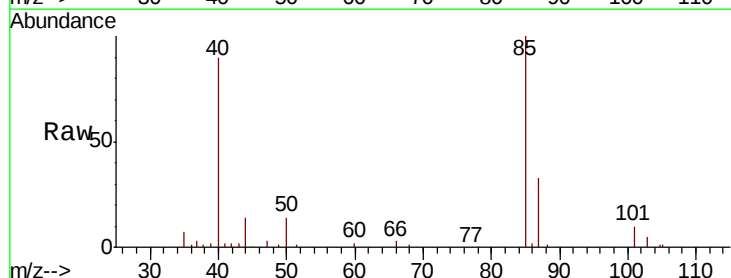
Acq: 23 Mar 2019 14:13

Tgt Ion: 85 Resp: 79129

Ion Ratio Lower Upper

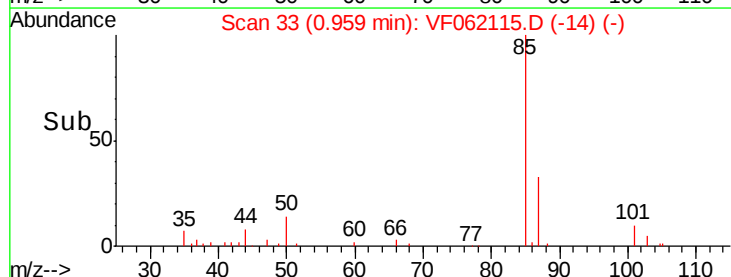
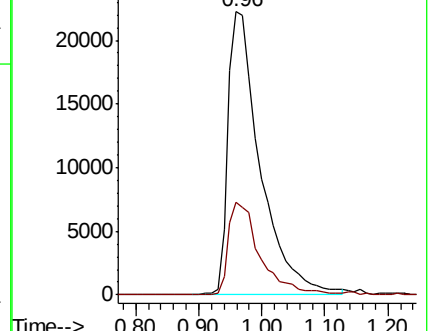
85 100

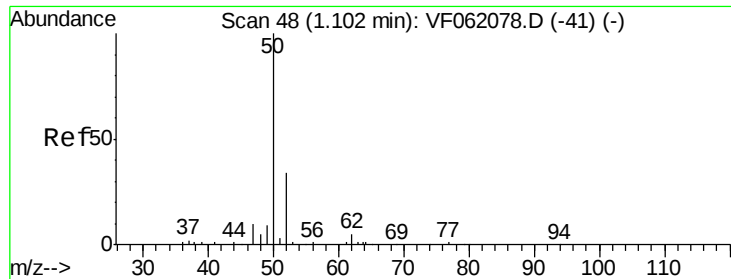
87 32.6 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 19.039 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

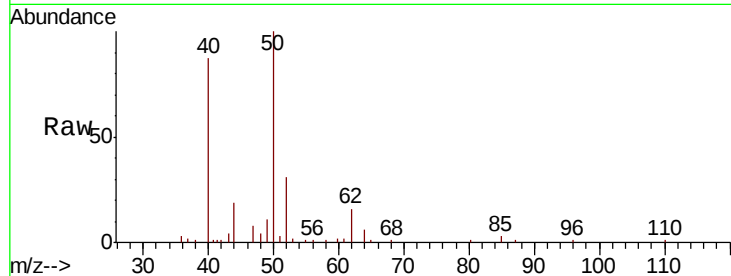
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 68836

Ion Ratio Lower Upper

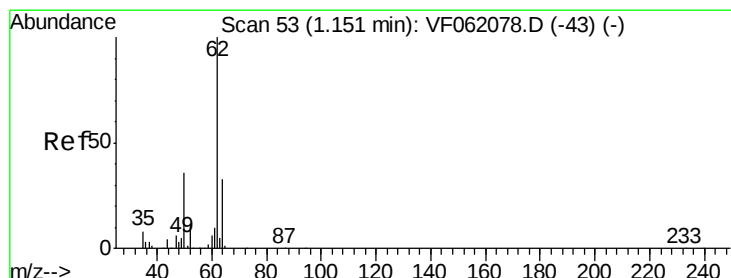
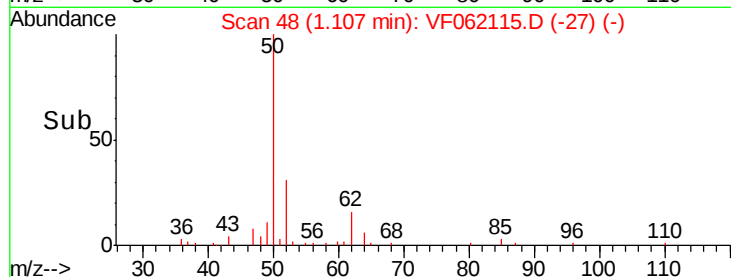
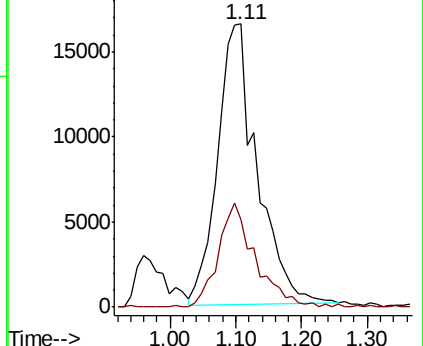
50 100

52 31.1 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.283 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062115.D

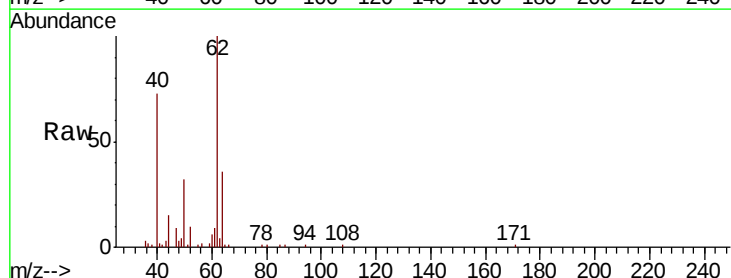
Acq: 23 Mar 2019 14:13

Tgt Ion: 62 Resp: 67833

Ion Ratio Lower Upper

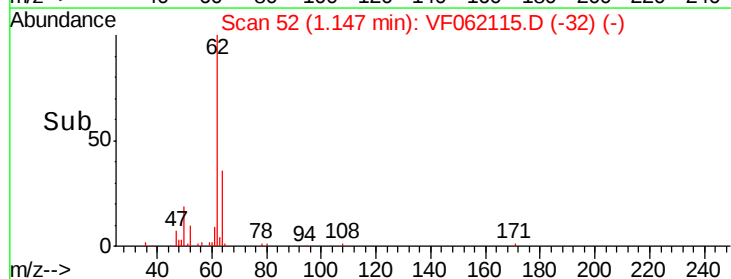
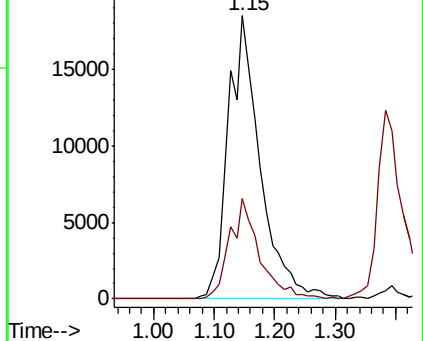
62 100

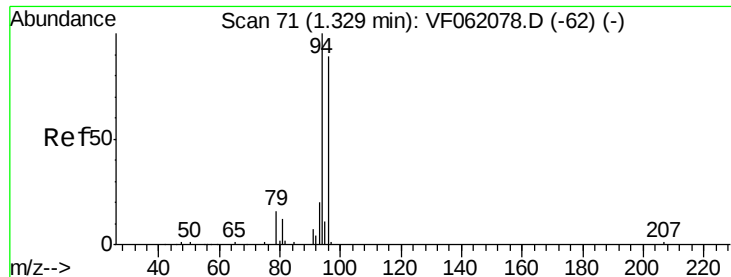
64 35.5 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.562 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

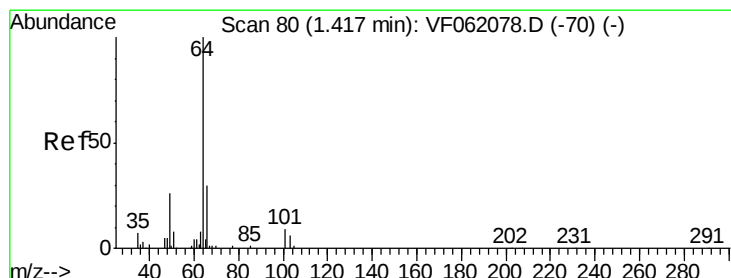
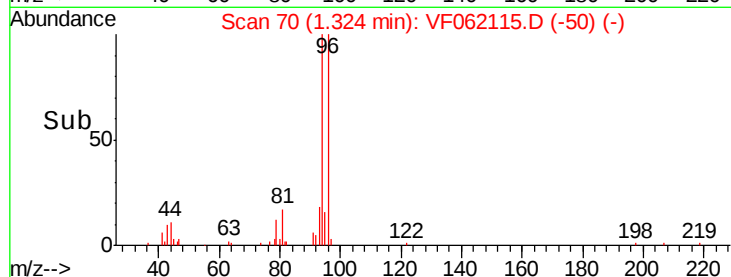
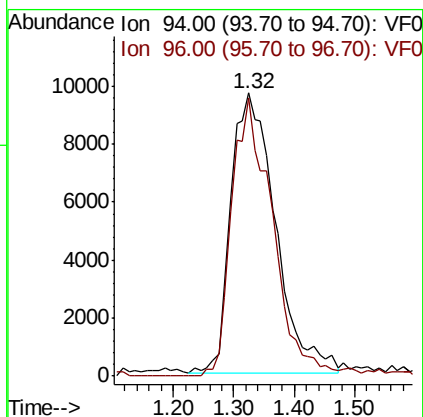
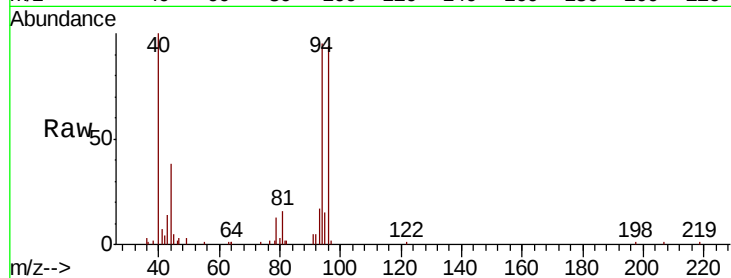
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 49432

Ion Ratio Lower Upper

94 100

96 98.4 70.9 106.3



#6

Chloroethane

Concen: 21.188 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.03 min

Lab File: VF062115.D

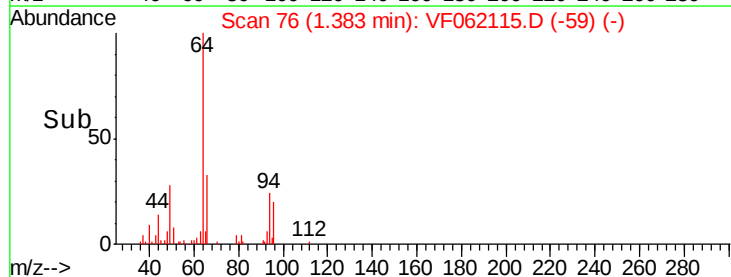
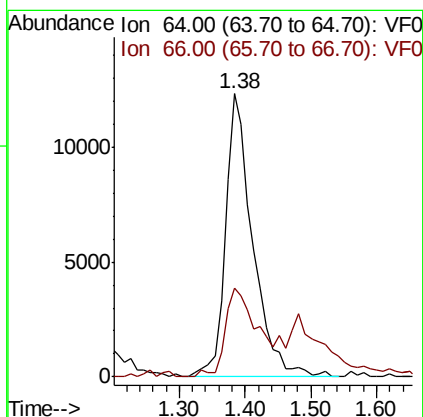
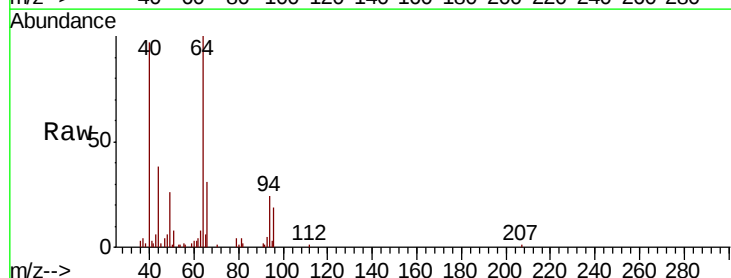
Acq: 23 Mar 2019 14:13

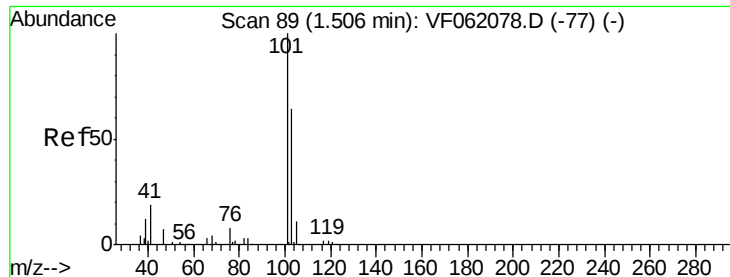
Tgt Ion: 64 Resp: 35672

Ion Ratio Lower Upper

64 100

66 31.2 24.5 36.7





#7

Trichlorofluoromethane

Concen: 22.007 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

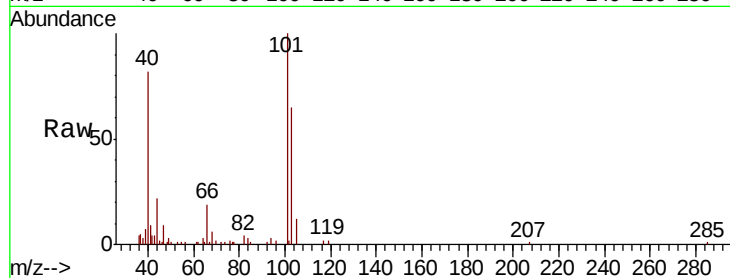
ClientSampleId :

Tot Ion:101 Resp: 88889

Ion Ratio Lower Upper

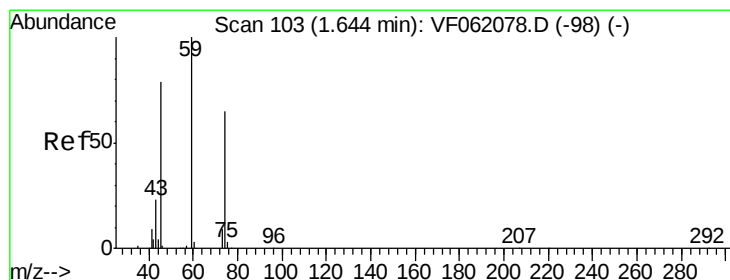
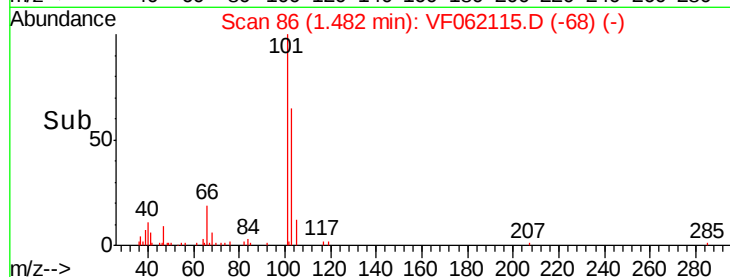
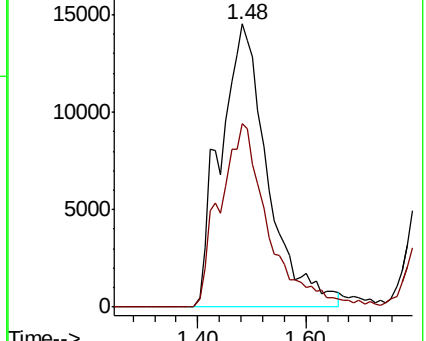
101 100

103 64.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.061 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF062115.D

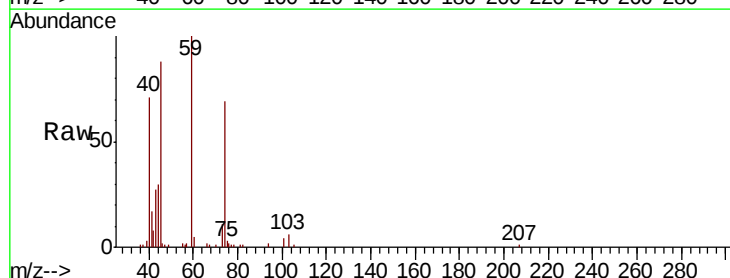
Acq: 23 Mar 2019 14:13

Tgt Ion: 74 Resp: 19432

Ion Ratio Lower Upper

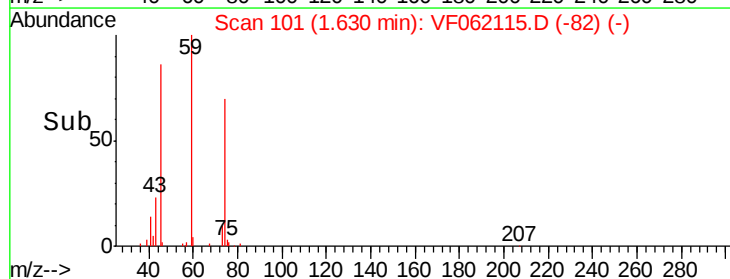
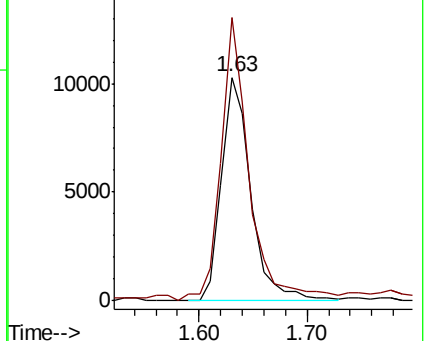
74 100

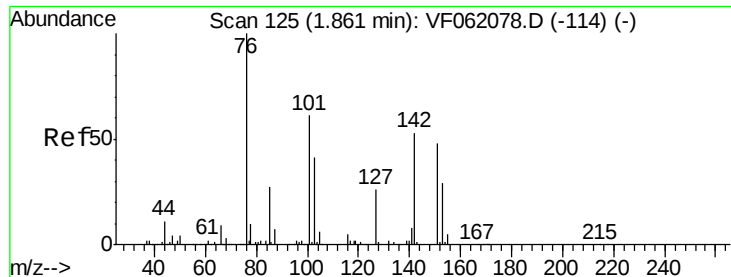
45 126.5 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.857 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

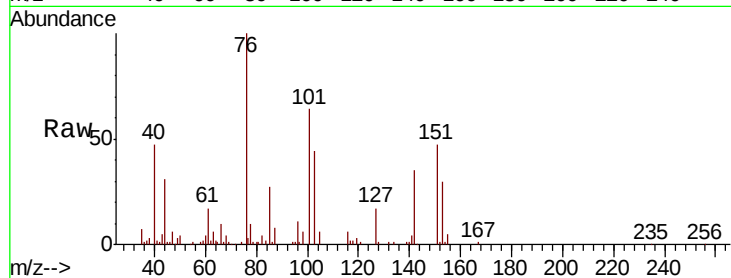
Tot Ion:101 Resp: 57472

Ion Ratio Lower Upper

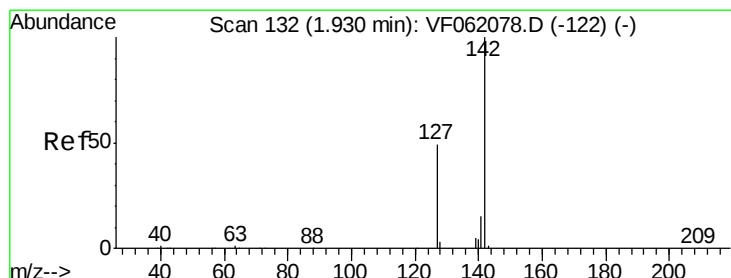
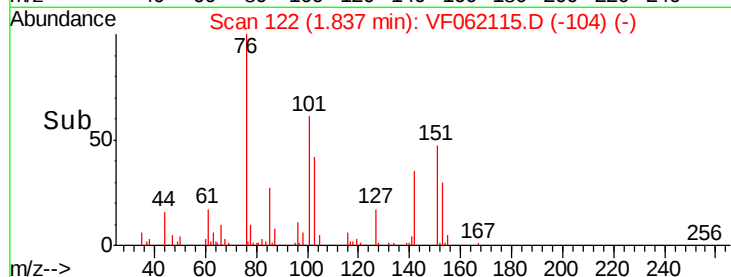
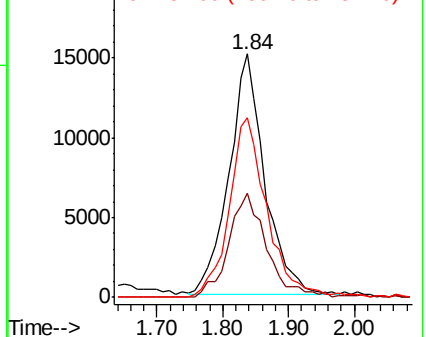
101 100

85 42.6 34.6 52.0

151 73.6 61.7 92.5



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: 16.363 ug/l

RT: 1.91 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

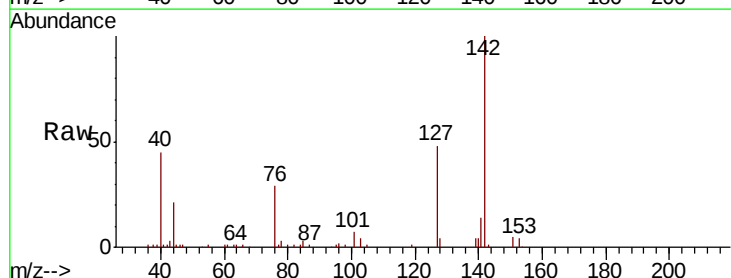
Tgt Ion:142 Resp: 85682

Ion Ratio Lower Upper

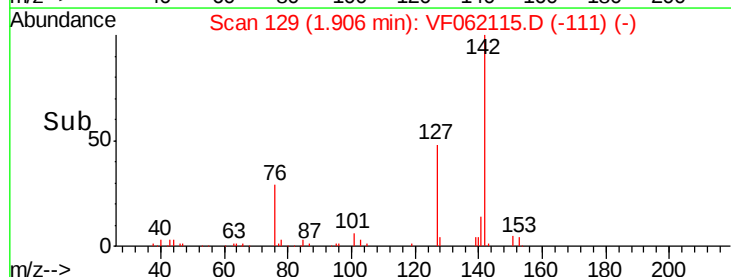
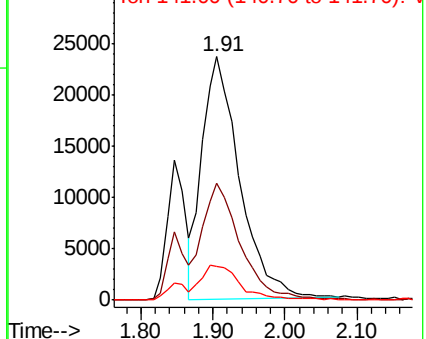
142 100

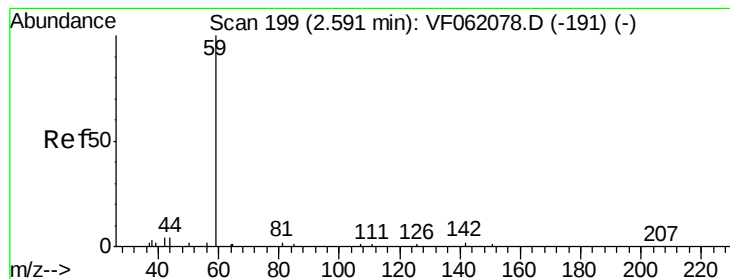
127 48.1 39.1 58.7

141 13.7 12.2 18.4



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



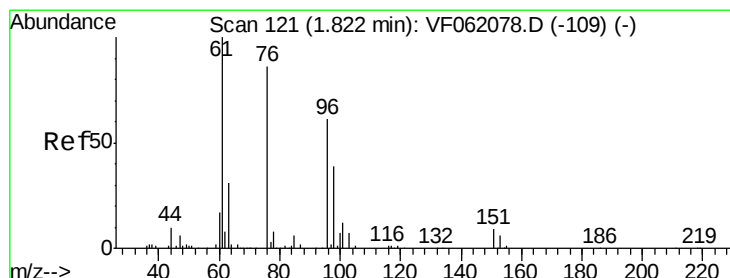
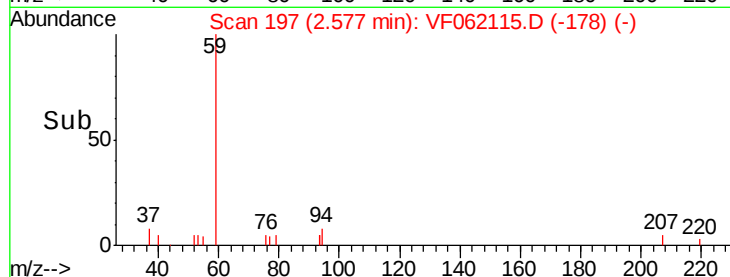
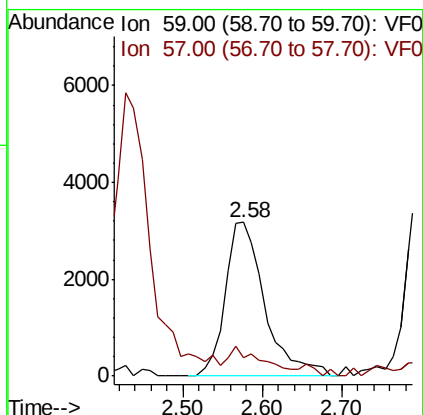
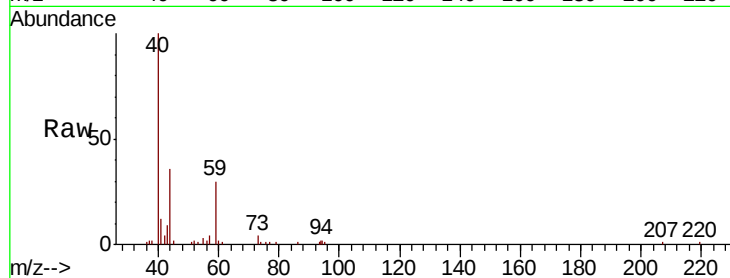


#11

Tert butyl alcohol
Concen: 99.612 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampleId :

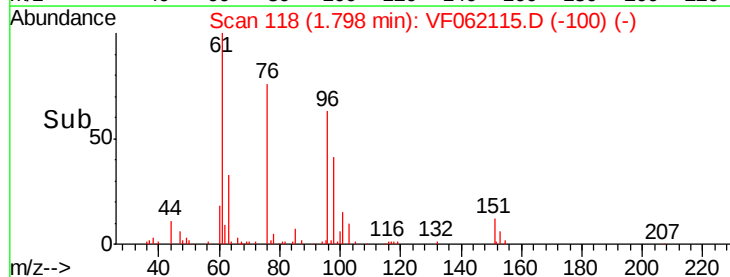
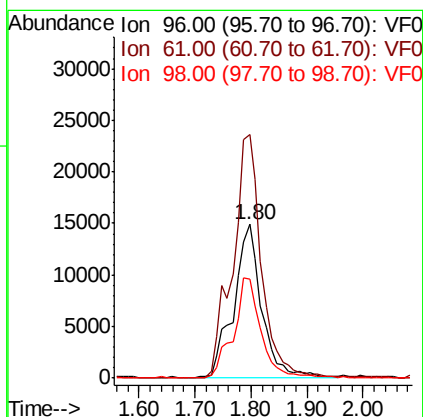
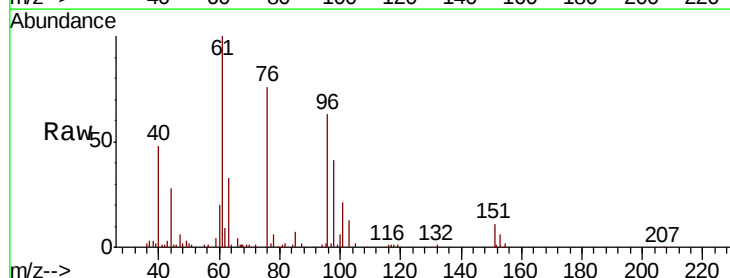
Tot Ion: 59 Resp: 10996
Ion Ratio Lower Upper
59 100
57 11.7 11.0 16.4

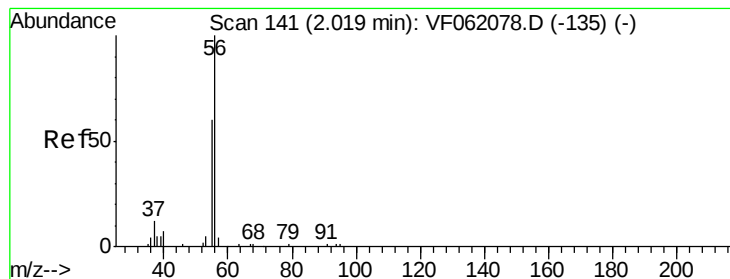


#12

1,1-Dichloroethene
Concen: 20.157 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion: 96 Resp: 52408
Ion Ratio Lower Upper
96 100
61 158.4 131.0 196.6
98 64.6 51.5 77.3





#13

Acrolein

Concen: 106.635 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

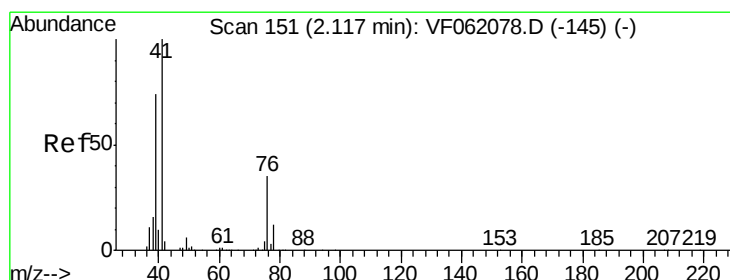
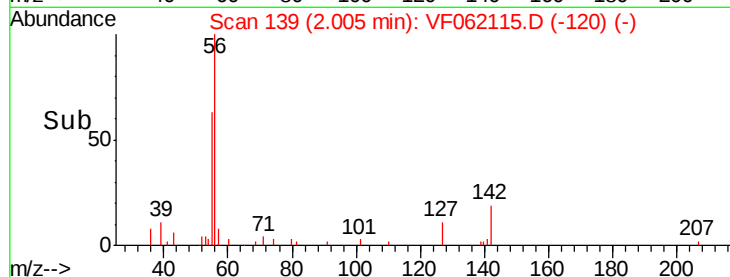
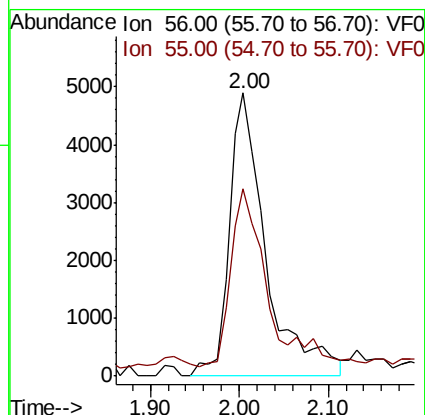
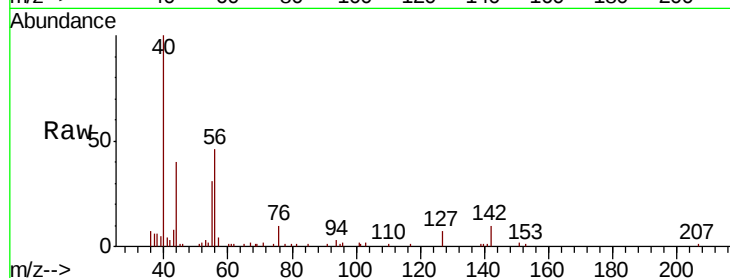
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 14155

Ion Ratio Lower Upper

56 100

55 66.0 49.0 73.4



#14

Allyl chloride

Concen: 22.210 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

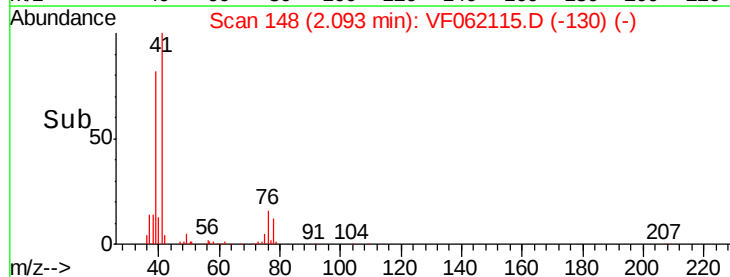
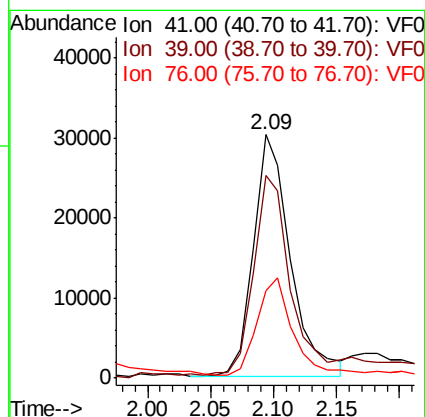
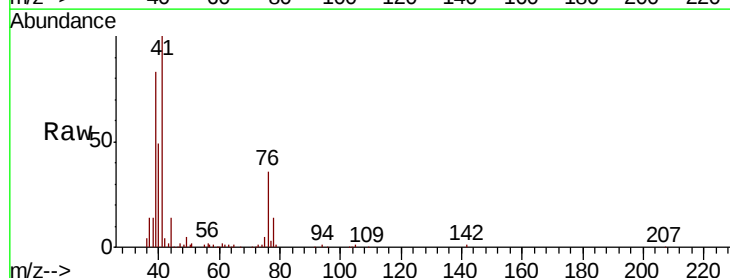
Tgt Ion: 41 Resp: 61652

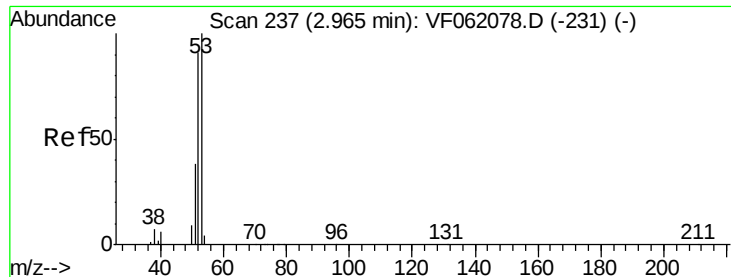
Ion Ratio Lower Upper

41 100

39 83.0 59.8 89.8

76 35.8 30.0 45.0





#15

Acrylonitrile

Concen: 106.292 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

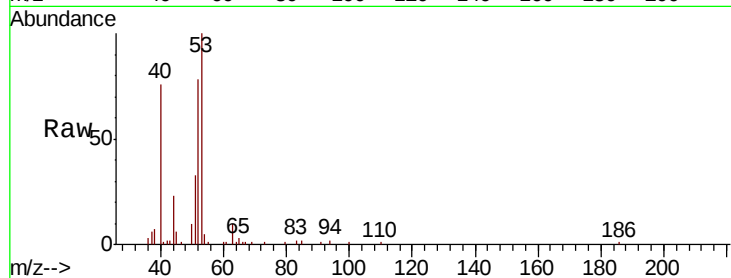
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 53 Resp: 41260

Ion	Ratio	Lower	Upper
53	100		
52	77.8	72.3	108.5
51	32.7	30.4	45.6

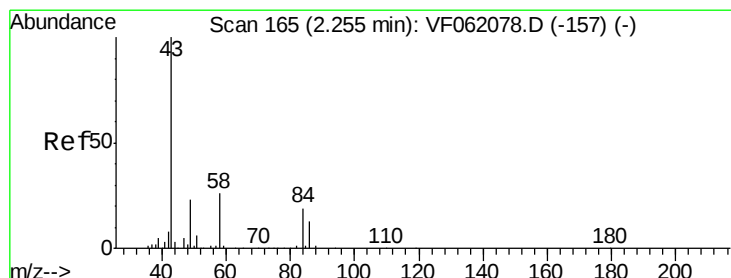
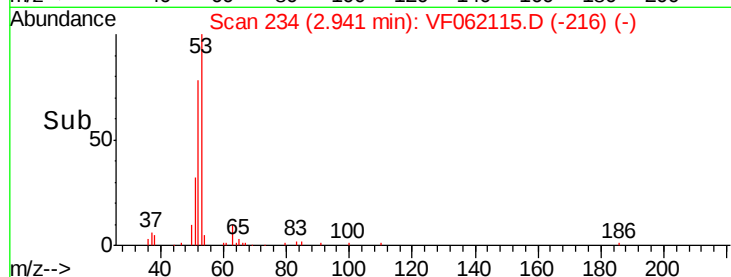
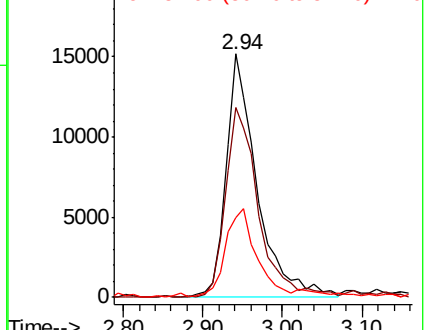


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 110.134 ug/l

RT: 2.24 min Scan# 163

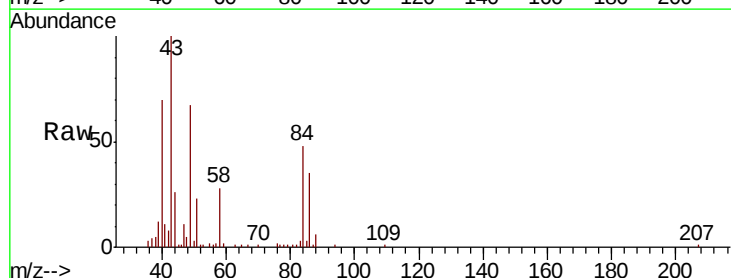
Delta R.T. -0.01 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Tgt Ion: 43 Resp: 46504

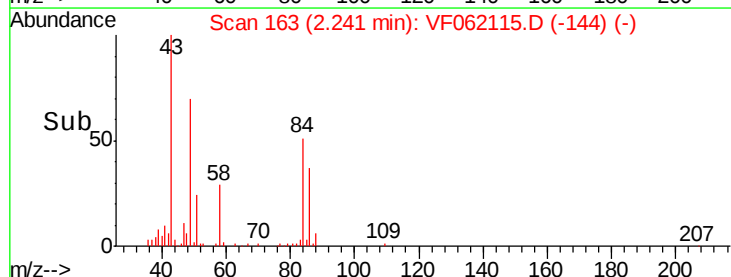
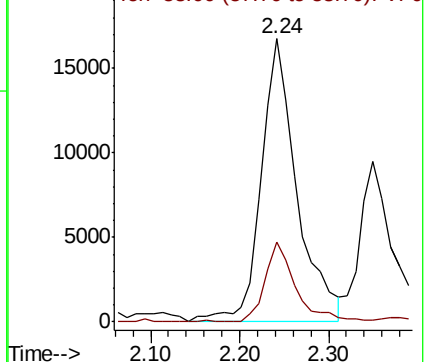
Ion	Ratio	Lower	Upper
43	100		
58	28.0	20.8	31.2

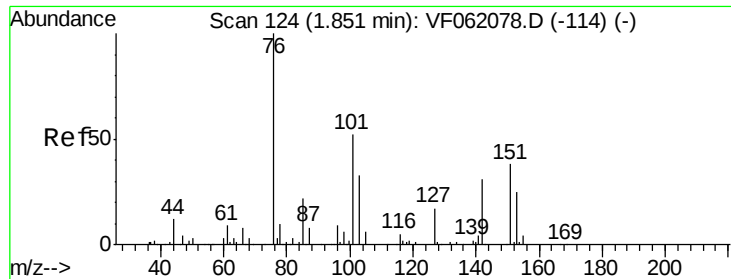


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

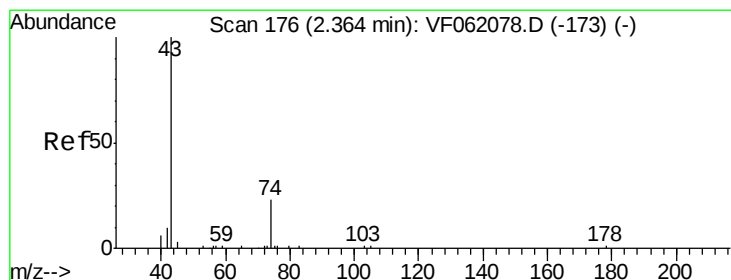
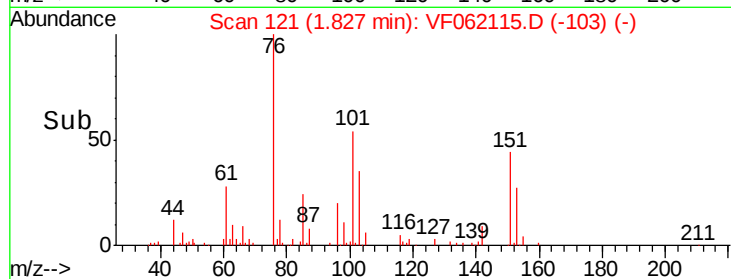
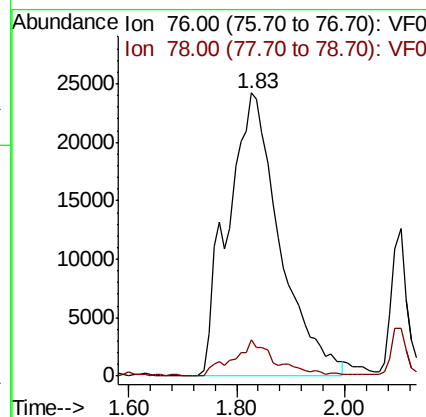
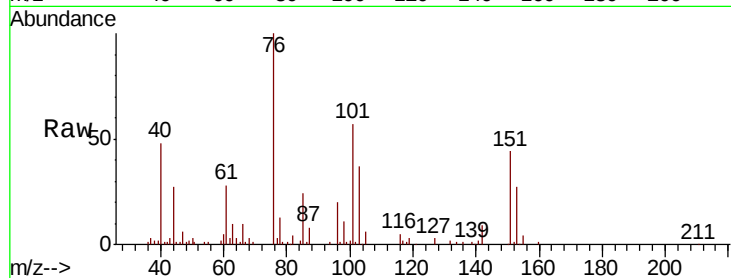




#17
 Carbon Disulfide
 Concen: 20.442 ug/l
 RT: 1.83 min Scan# 121
 Delta R.T. -0.02 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

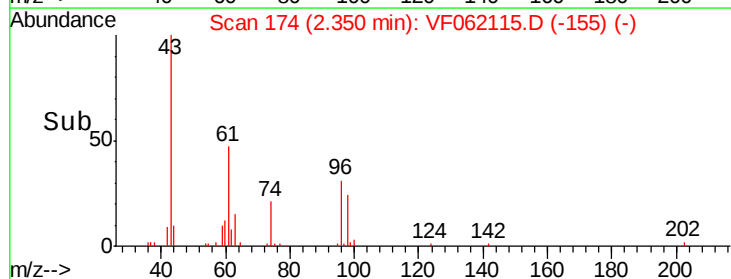
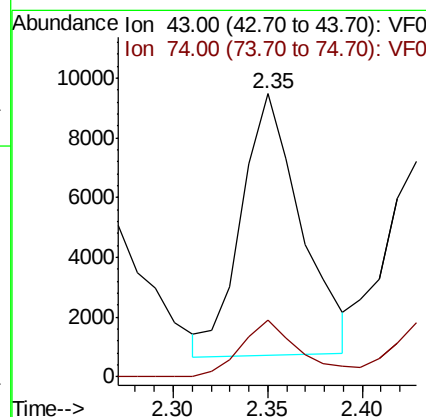
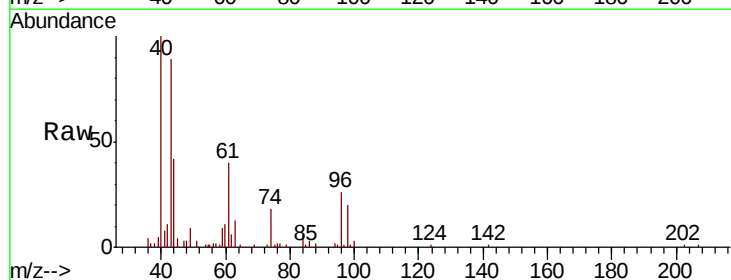
Instrument :
 MSVOA_F
 ClientSampled :

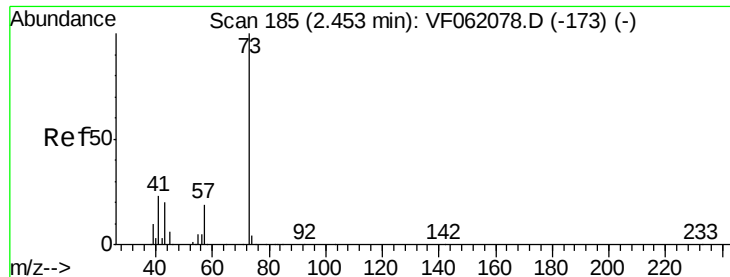
Tot Ion: 76 Resp: 162067
 Ion Ratio Lower Upper
 76 100
 78 12.9 7.9 11.9#



#18
 Methyl Acetate
 Concen: 19.081 ug/l
 RT: 2.35 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Tgt Ion: 43 Resp: 19219
 Ion Ratio Lower Upper
 43 100
 74 19.9 16.3 24.5

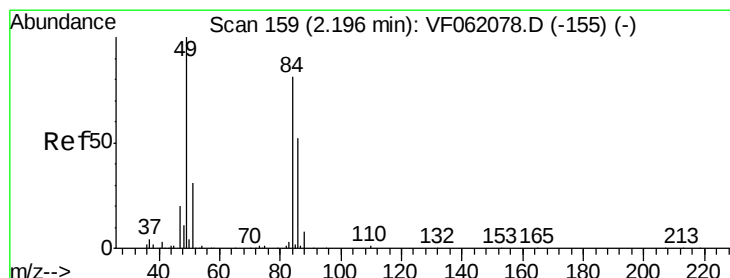
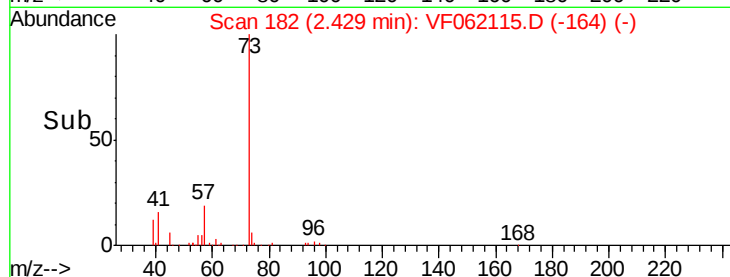
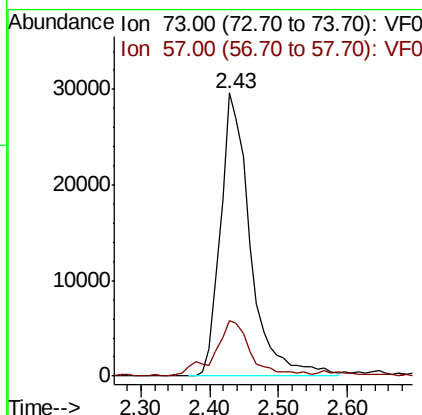
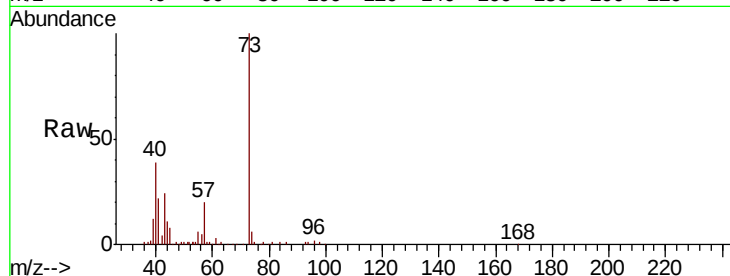




#19
Methvl tert-butvl Ether
Concen: 21.737 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

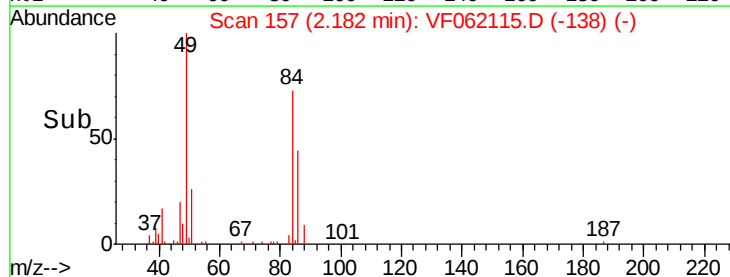
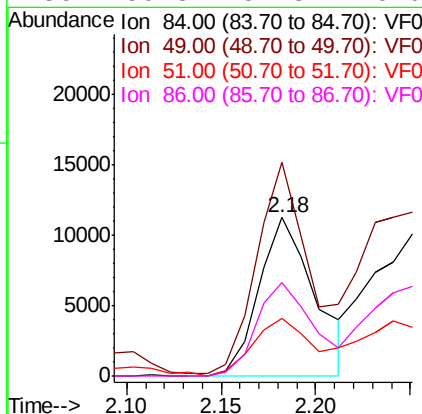
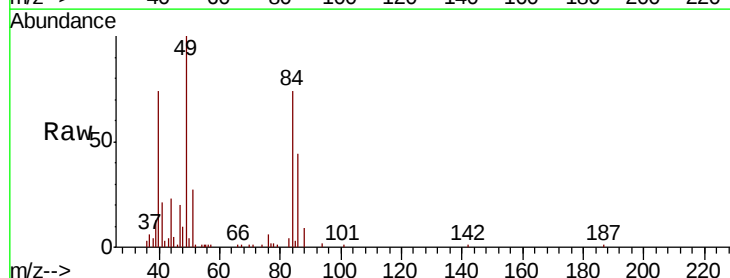
Instrument :
MSVOA_F
ClientSampleId :

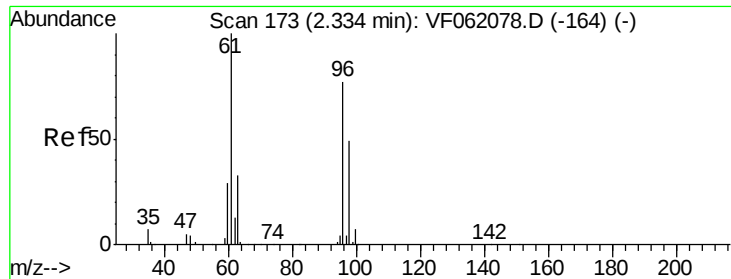
Tot Ion: 73 Resp: 89323
Ion Ratio Lower Upper
73 100
57 19.7 15.1 22.7



#20
Methylene Chloride
Concen: 6.277 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion: 84 Resp: 23066
Ion Ratio Lower Upper
84 100
49 135.0 100.4 150.6
51 36.3 31.0 46.6
86 59.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 21.884 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

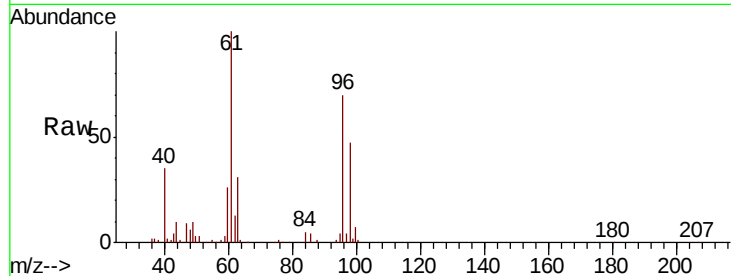
Tot Ion: 96 Resp: 54745

Ion Ratio Lower Upper

96 100

61 143.6 104.5 156.7

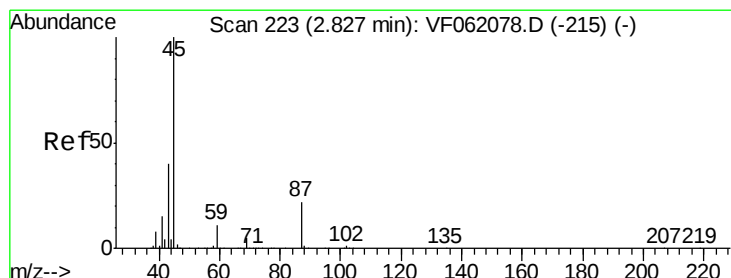
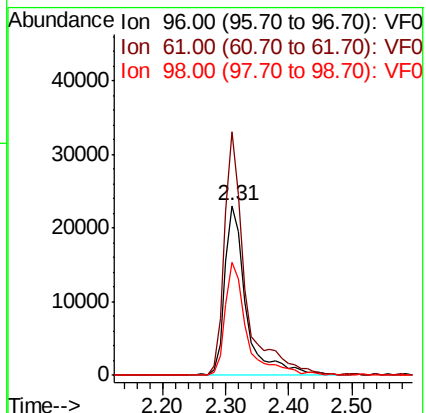
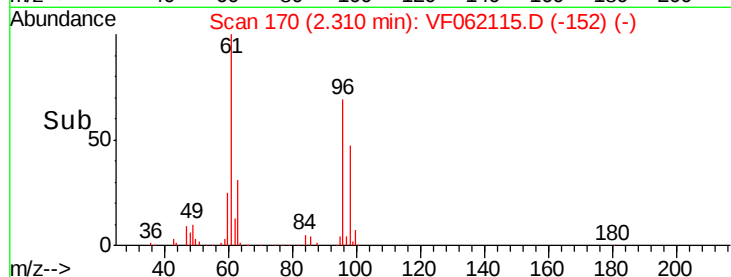
98 67.0 51.2 76.8



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: 21.288 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Tgt Ion: 45 Resp: 154930

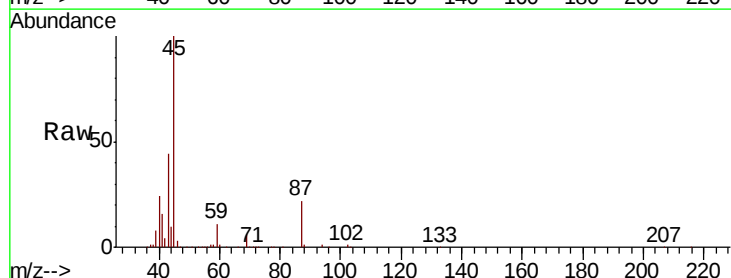
Ion Ratio Lower Upper

45 100

43 43.8 32.5 48.7

87 21.7 17.4 26.2

59 10.6 8.6 12.8

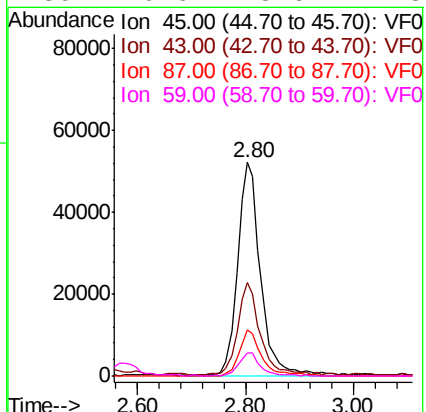
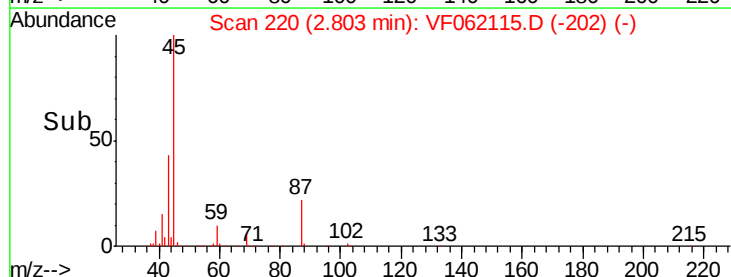


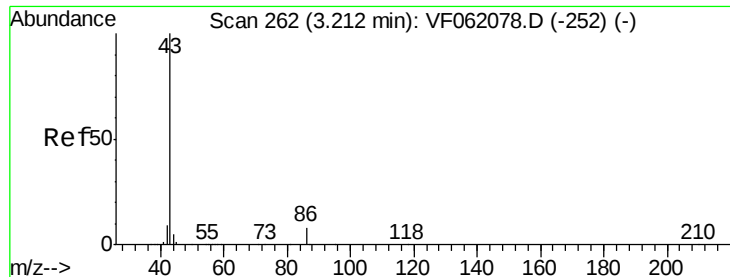
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 107.052 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

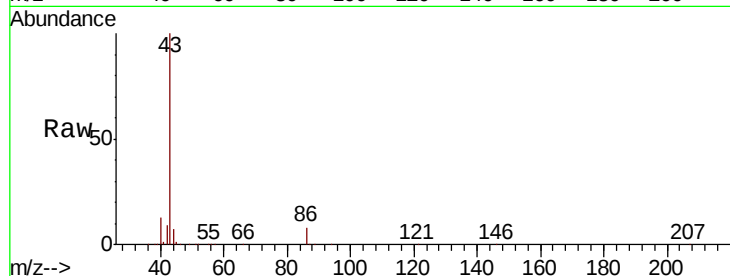
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 318992

Ion Ratio Lower Upper

43 100

86 8.0 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

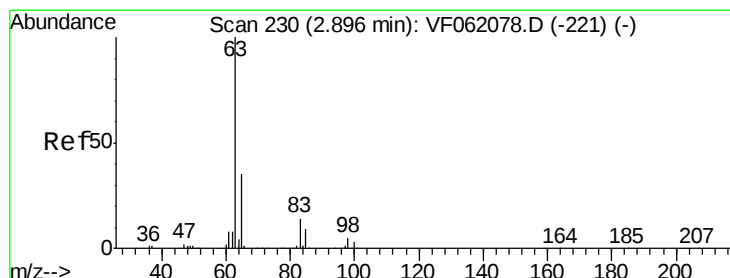
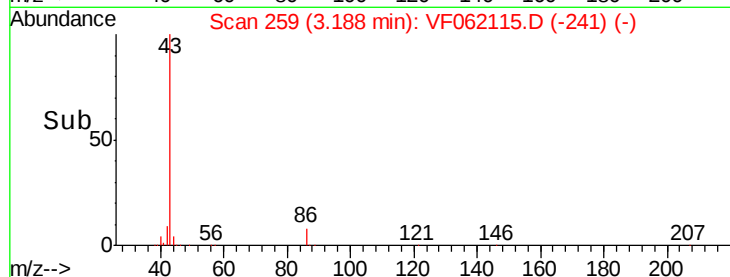
3.19

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 21.926 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

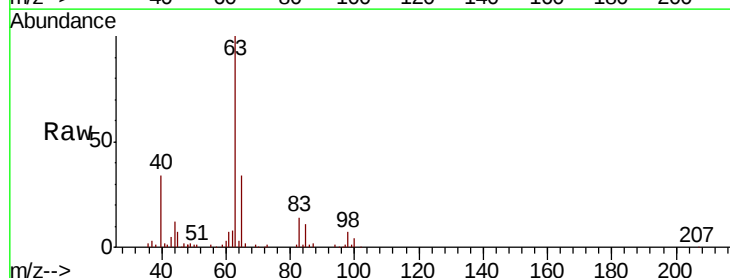
Tgt Ion: 63 Resp: 95695

Ion Ratio Lower Upper

63 100

98 6.7 2.7 8.1

100 3.9 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

40000

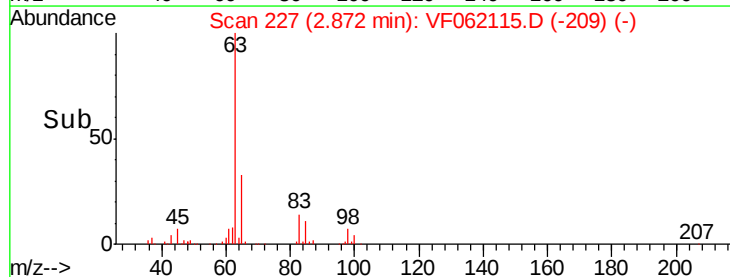
30000

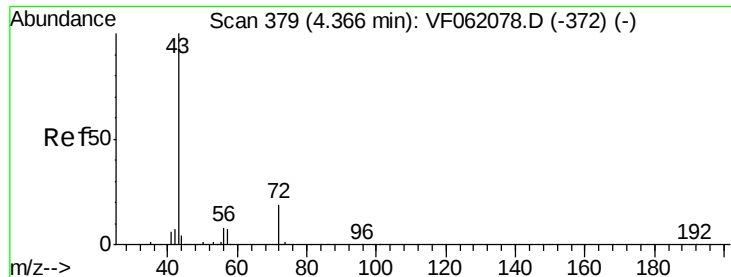
20000

10000

0

Time--> 2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 100.602 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

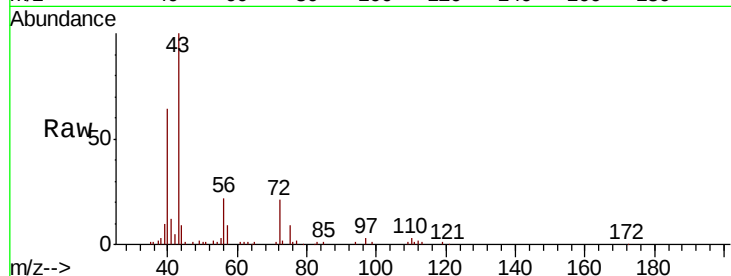
ClientSampleId :

Tot Ion: 43 Resp: 88681

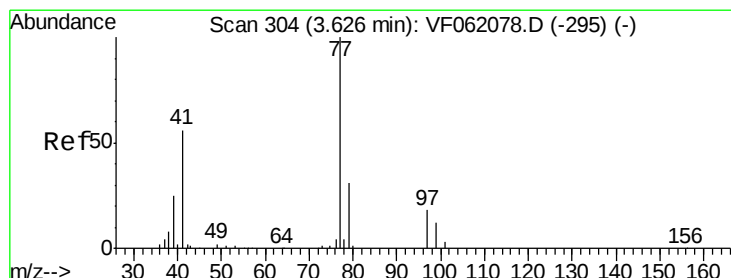
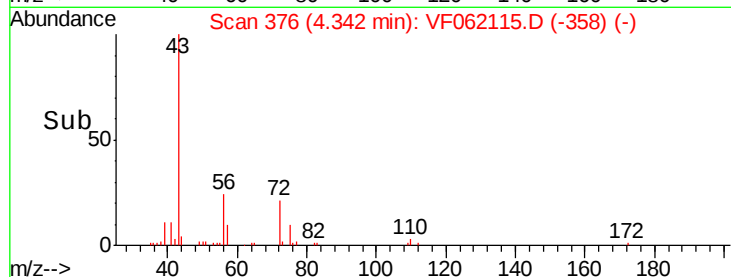
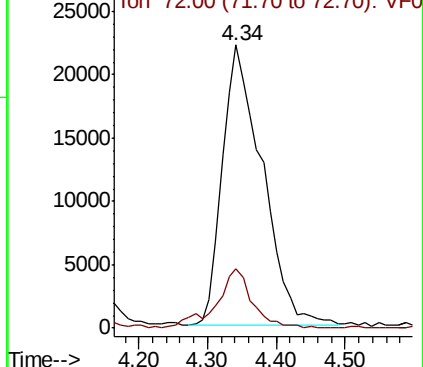
Ion Ratio Lower Upper

43 100

72 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 22.160 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF062115.D

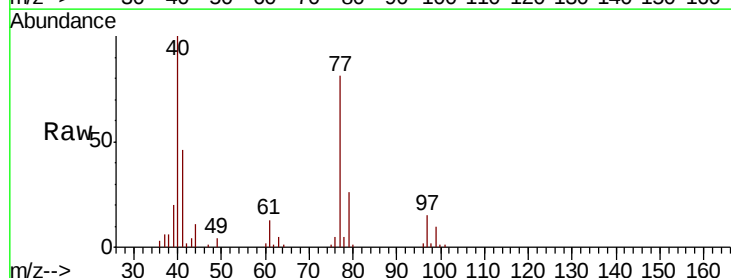
Acq: 23 Mar 2019 14:13

Tgt Ion: 77 Resp: 39213

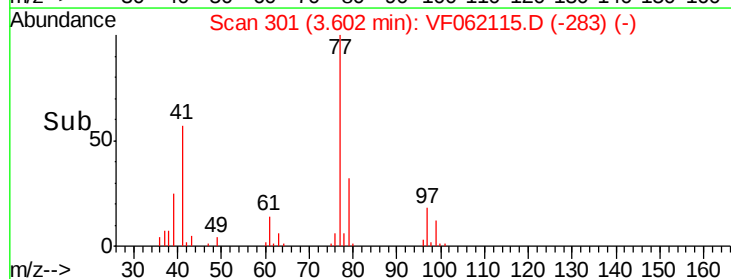
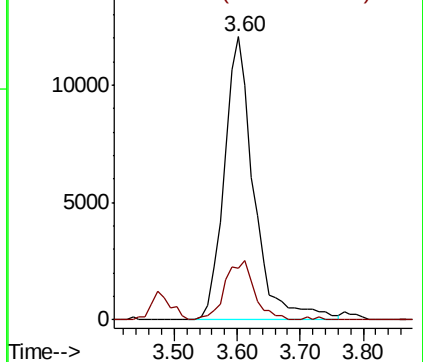
Ion Ratio Lower Upper

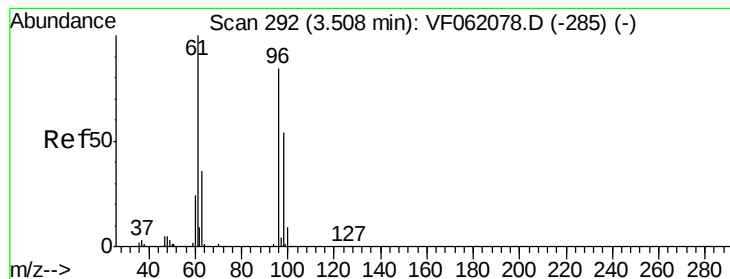
77 100

97 18.4 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0



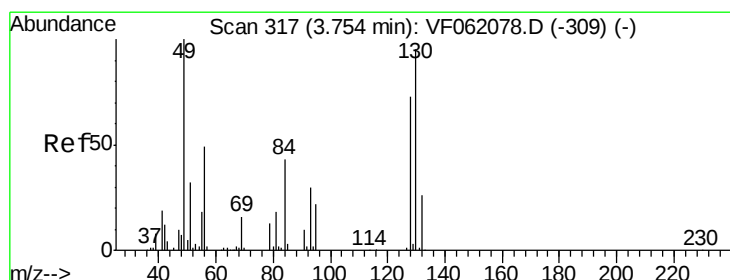
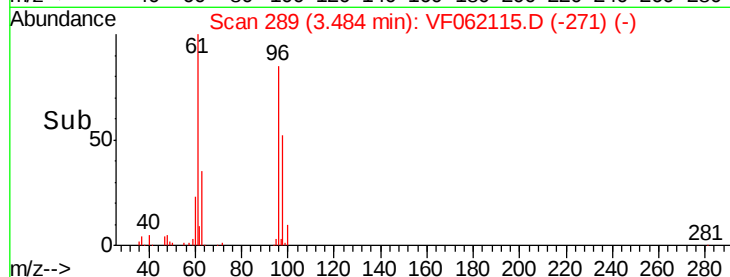
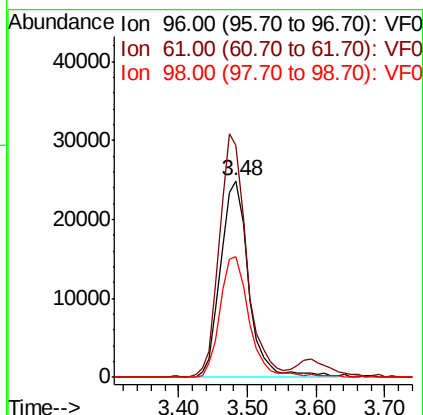
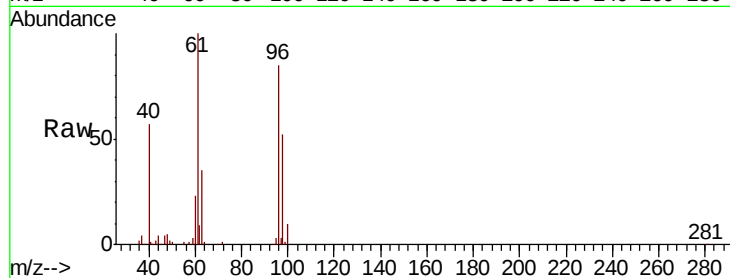


#27

cis-1,2-Dichloroethene
 Concen: 21.339 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Instrument :
 MSVOA_F
 ClientSampleId :

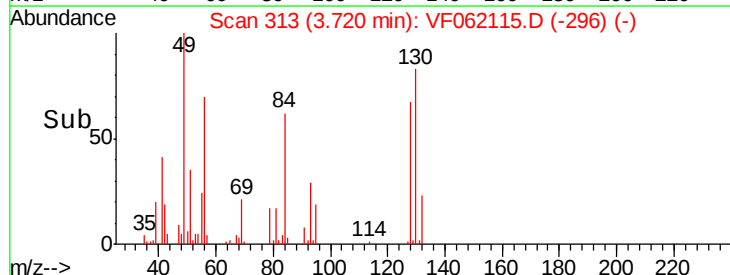
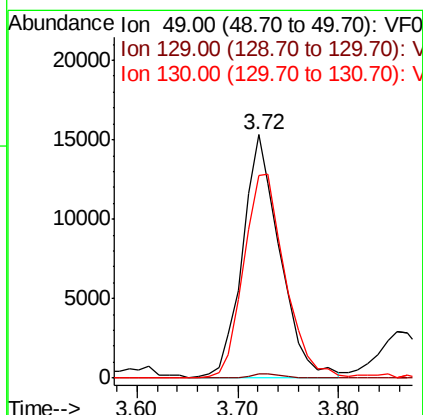
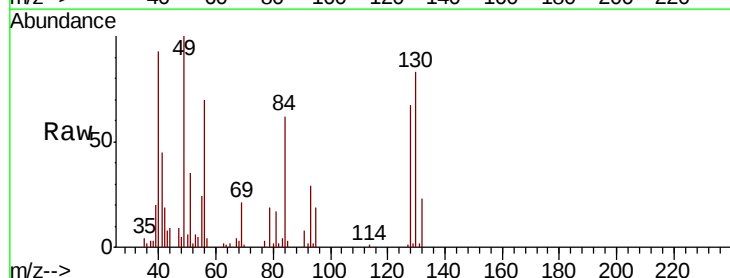
Tot Ion: 96 Resp: 70738
 Ion Ratio Lower Upper
 96 100
 61 118.1 0.0 239.0
 98 61.3 0.0 128.2

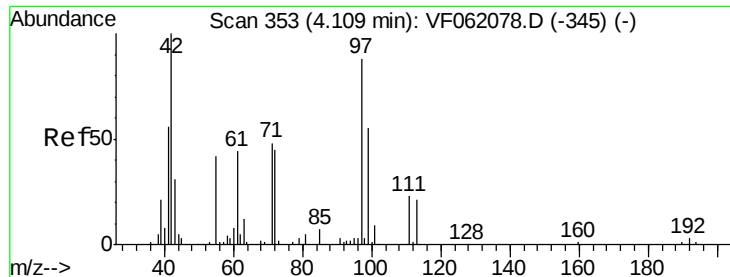


#28

Bromochloromethane
 Concen: 22.258 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.03 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Tgt Ion: 49 Resp: 39691
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.6
 130 83.5 75.5 113.3





#29

Tetrahydrofuran

Concen: 103.316 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

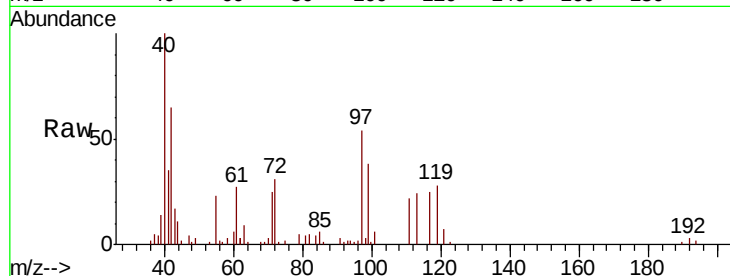
Tot Ion: 42 Resp: 39597

Ion Ratio Lower Upper

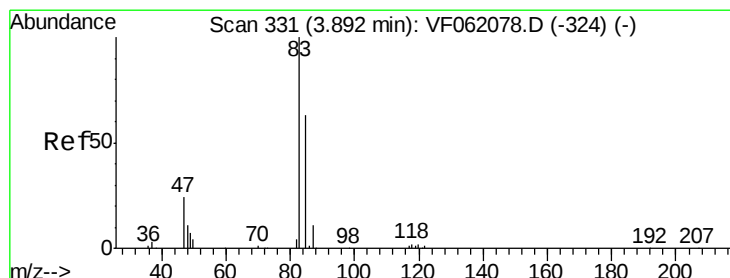
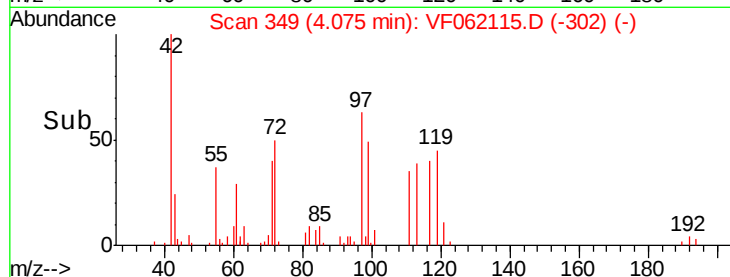
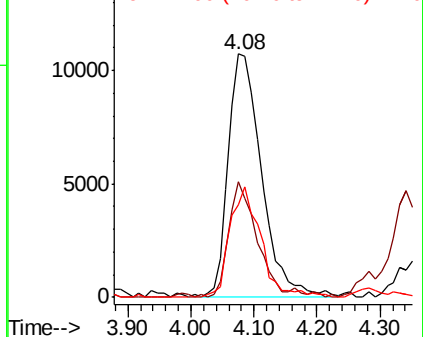
42 100

72 39.6 33.3 49.9

71 41.9 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.051 ug/l

RT: 3.87 min Scan# 328

Delta R.T. -0.02 min

Lab File: VF062115.D

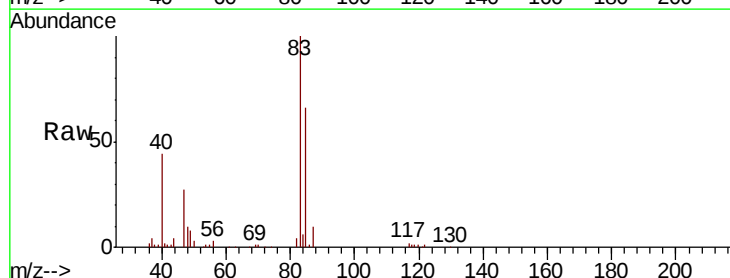
Acq: 23 Mar 2019 14:13

Tgt Ion: 83 Resp: 101709

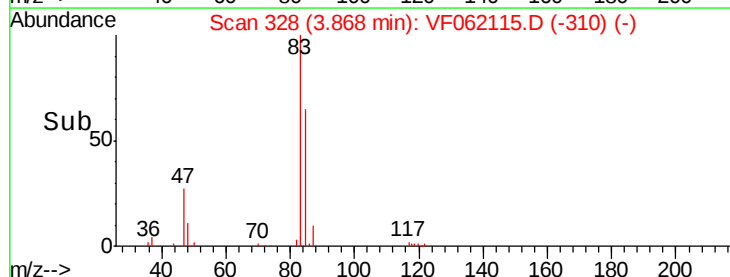
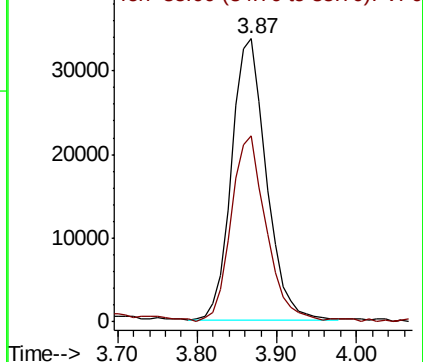
Ion Ratio Lower Upper

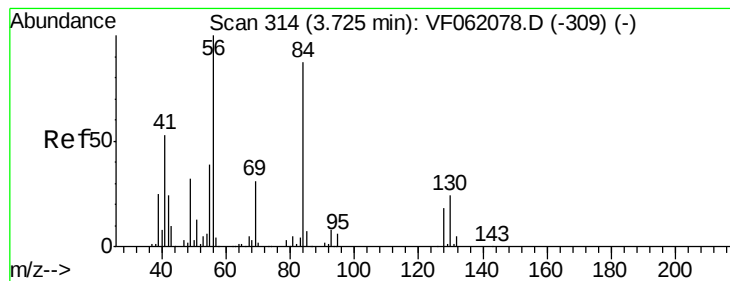
83 100

85 65.7 51.5 77.3



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





#31

Cvclohexane

Concen: 10.949 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampleId :

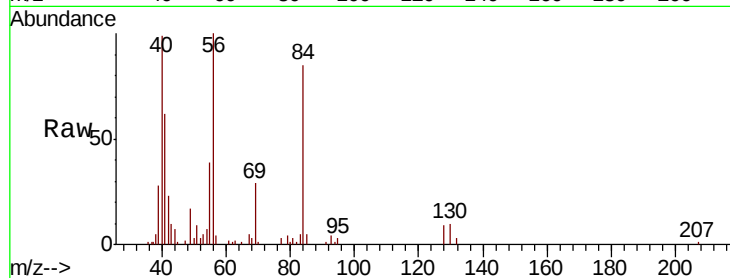
Tot Ion: 56 Resp: 49909

Ion Ratio Lower Upper

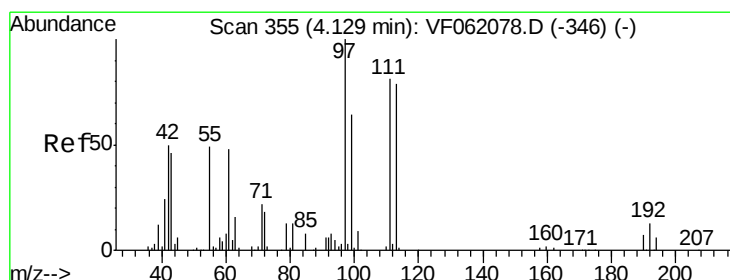
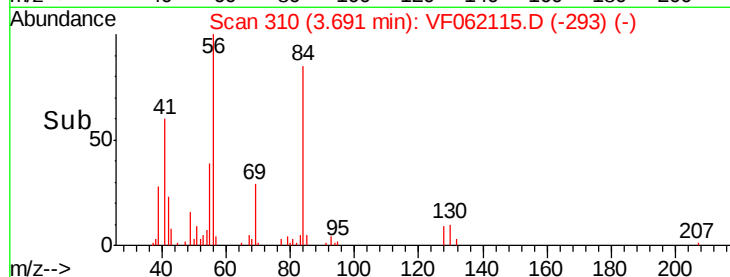
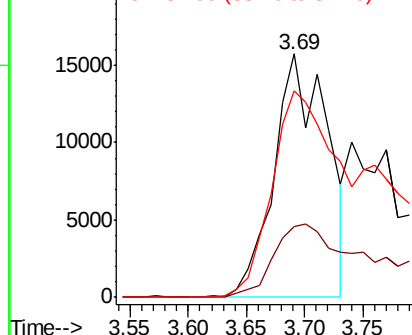
56 100

69 29.1 25.9 38.9

84 84.8 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 24.111 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

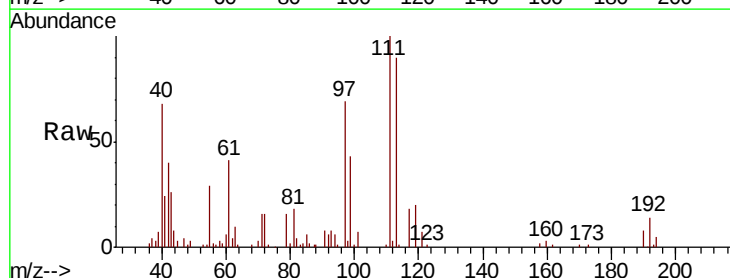
Tgt Ion: 97 Resp: 67648

Ion Ratio Lower Upper

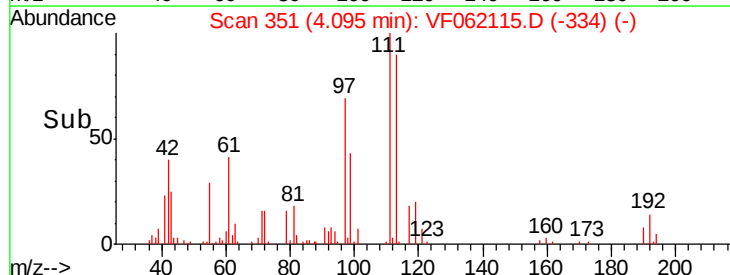
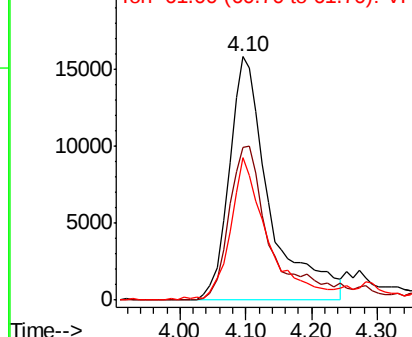
97 100

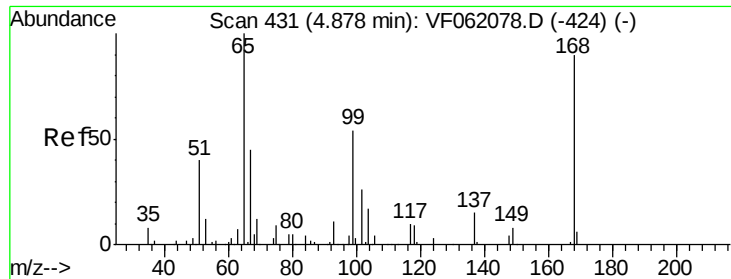
99 62.7 51.3 76.9

61 58.6 39.0 58.6#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.752 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

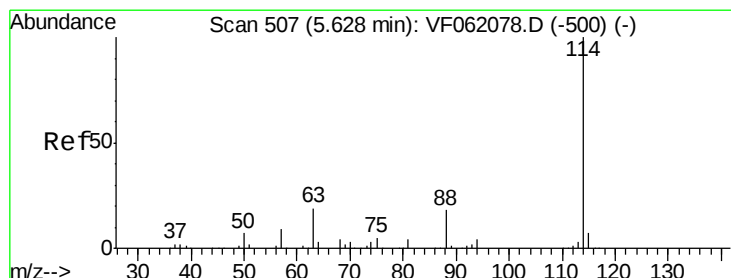
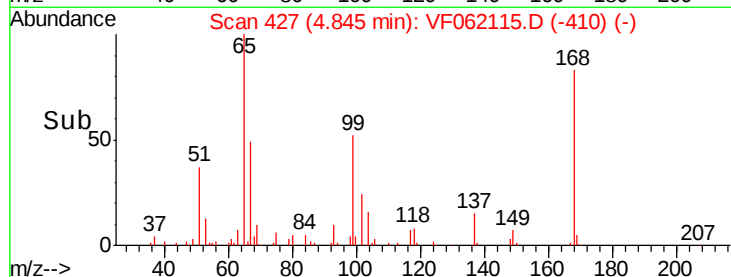
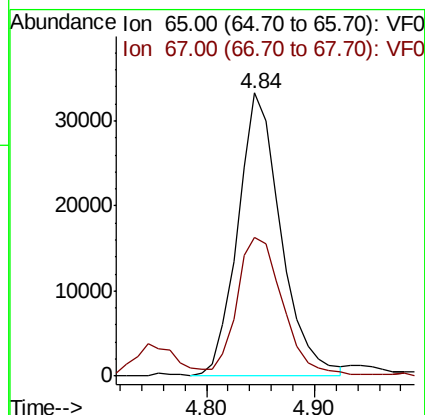
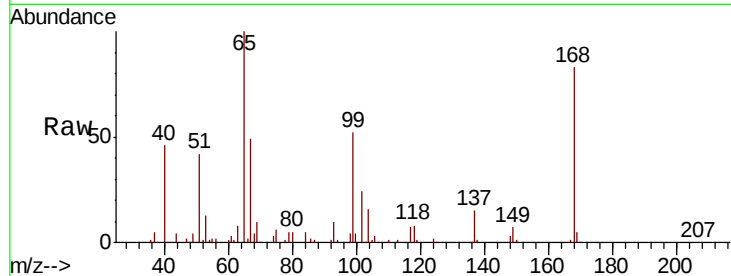
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 91790

Ion Ratio Lower Upper

65 100

67 49.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

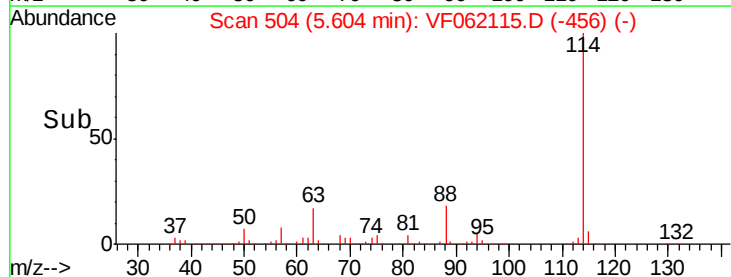
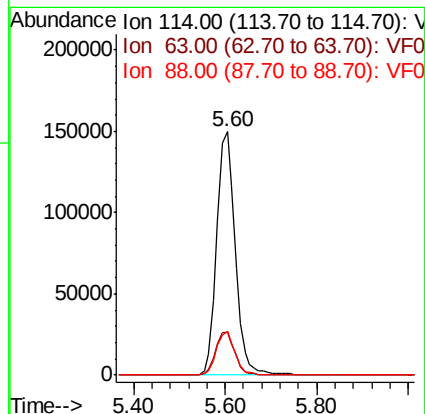
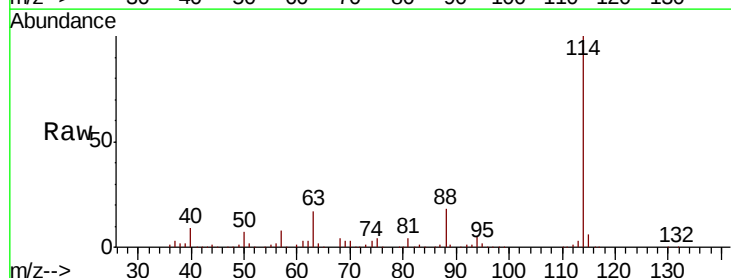
Tgt Ion: 114 Resp: 417487

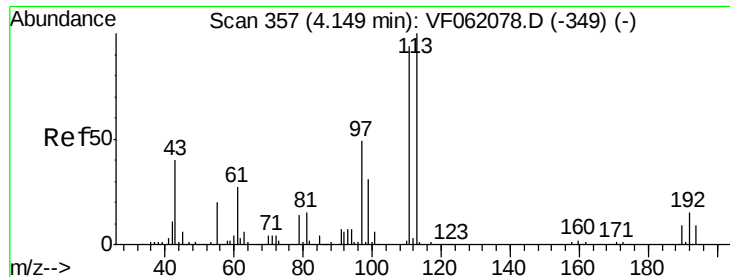
Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.8

88 17.9 0.0 36.4

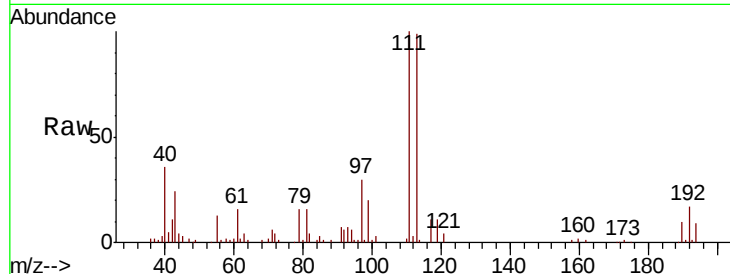




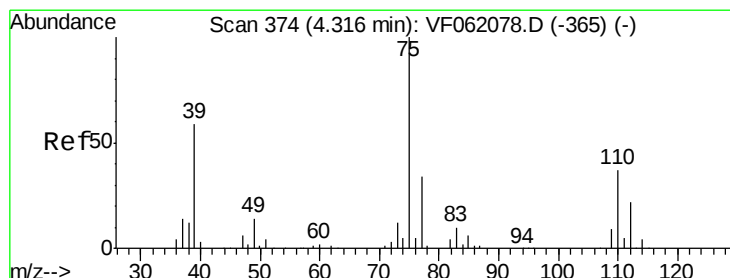
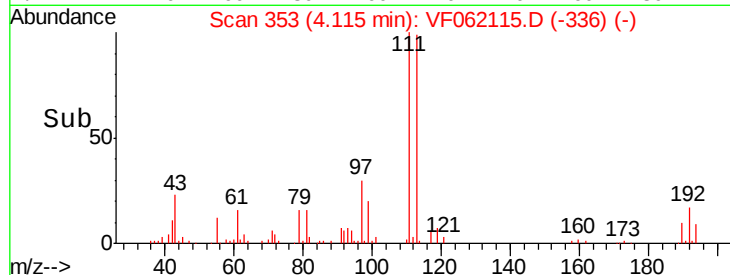
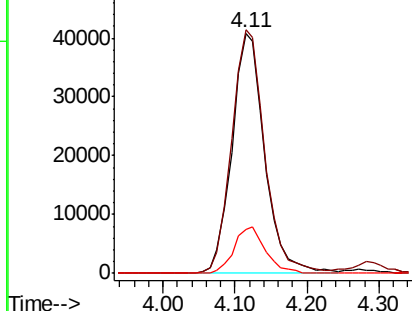
#35
 Dibromofluoromethane
 Concen: 45.721 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 129123
 Ion Ratio Lower Upper
 113 100
 111 101.3 75.4 113.0
 192 18.3 12.3 18.5

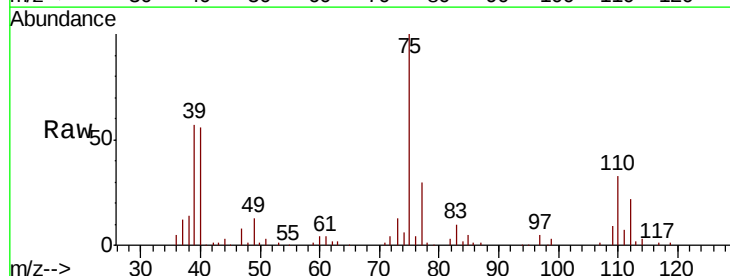


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

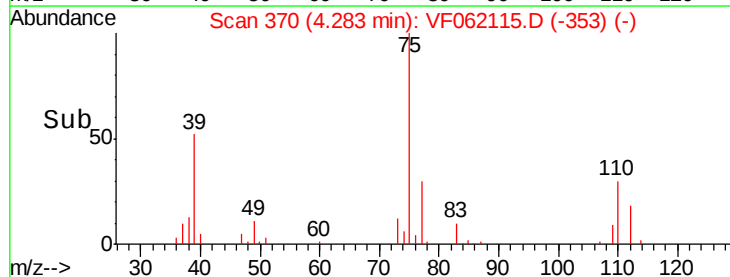
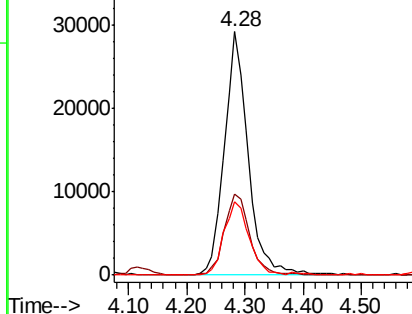


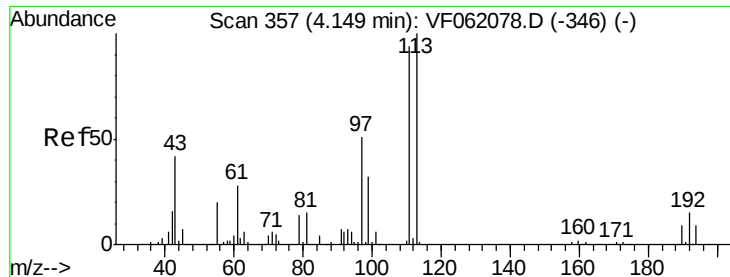
#36
 1,1-Dichloropropene
 Concen: 20.792 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.03 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Tgt Ion: 75 Resp: 82682
 Ion Ratio Lower Upper
 75 100
 110 33.1 18.5 55.5
 77 30.4 27.4 41.0



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

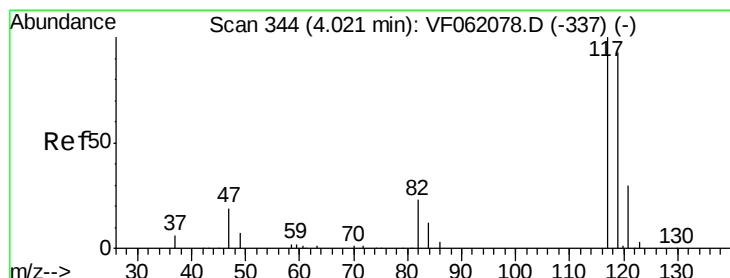
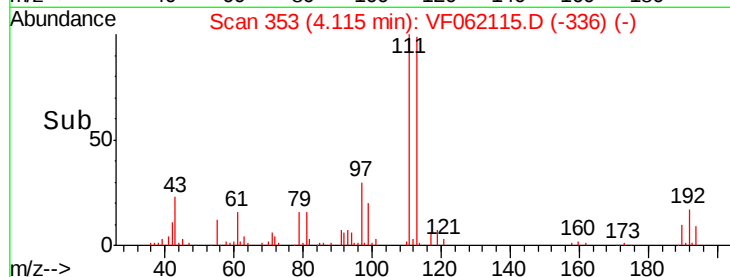
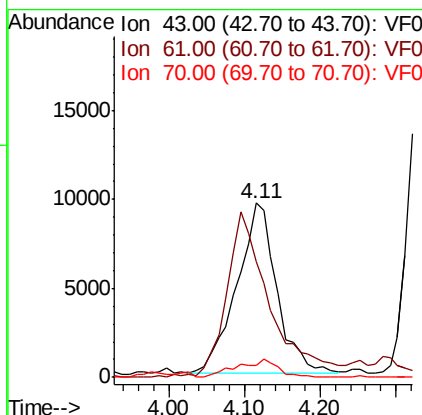
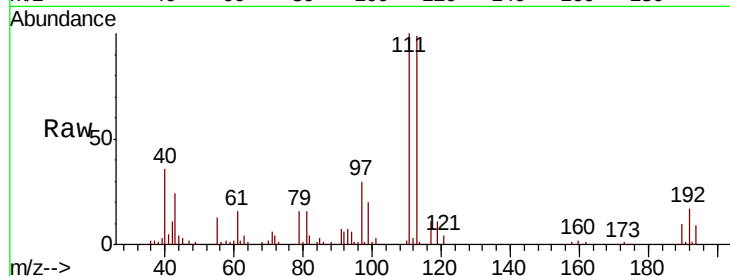




#37
Ethyl Acetate
Concen: 20.362 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

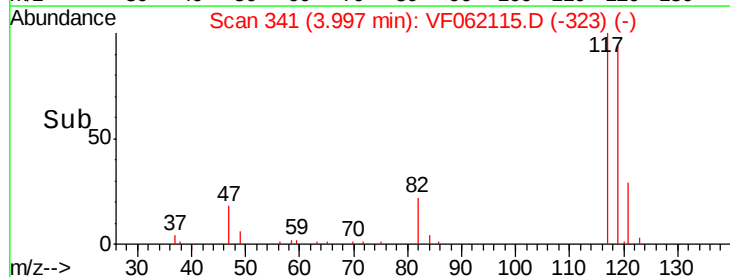
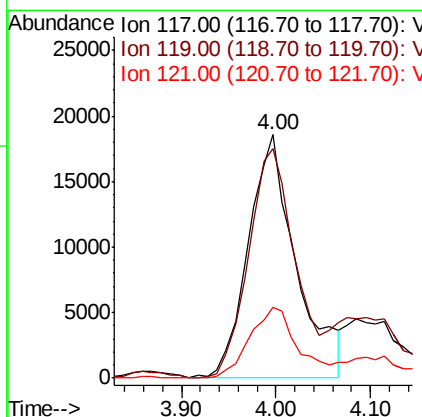
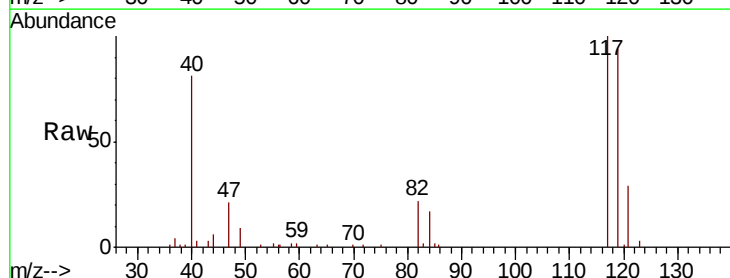
Instrument :
MSVOA_F
ClientSampleId :

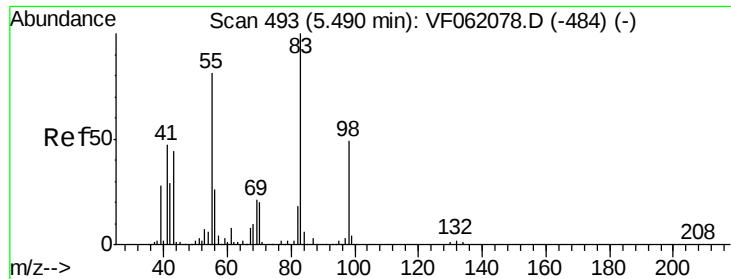
Tot Ion: 43 Resp: 35387
Ion Ratio Lower Upper
43 100
61 66.2 53.6 80.4
70 7.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 24.144 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion: 117 Resp: 65438
Ion Ratio Lower Upper
117 100
119 94.3 74.7 112.1
121 29.3 23.6 35.4

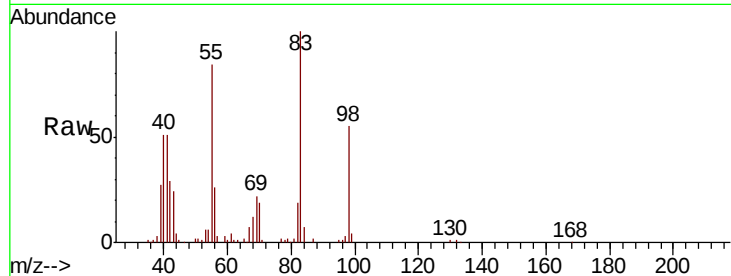




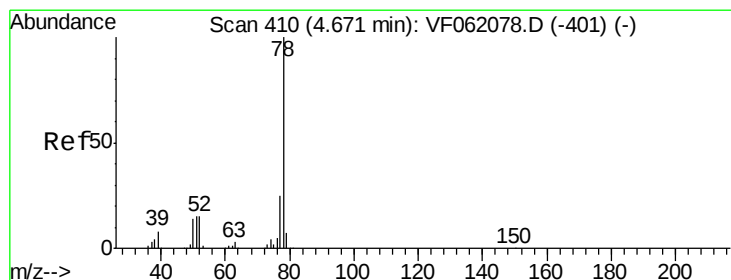
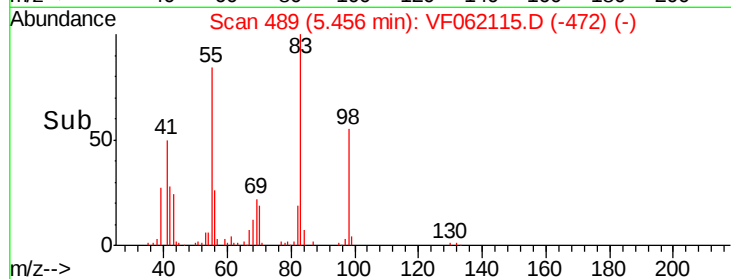
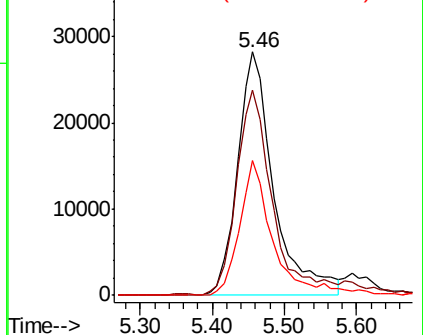
#39
Methvlcvclohexane
Concen: 21.367 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 98615
Ion Ratio Lower Upper
83 100
55 84.4 64.5 96.7
98 55.1 39.1 58.7

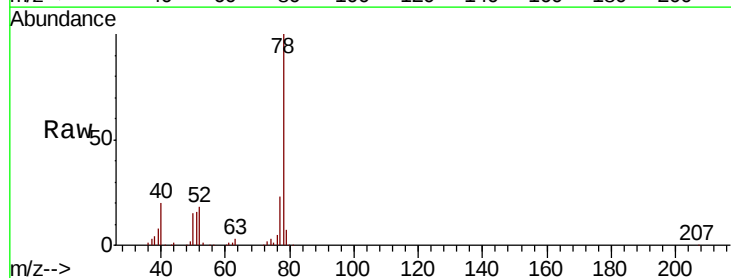


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

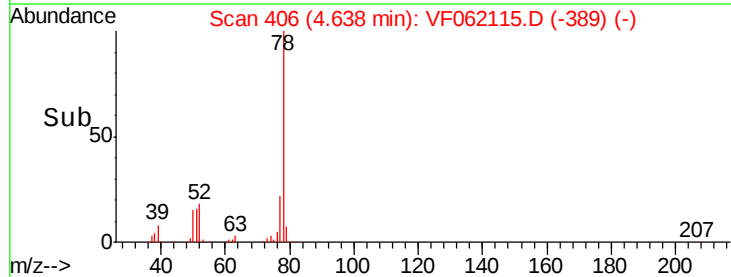
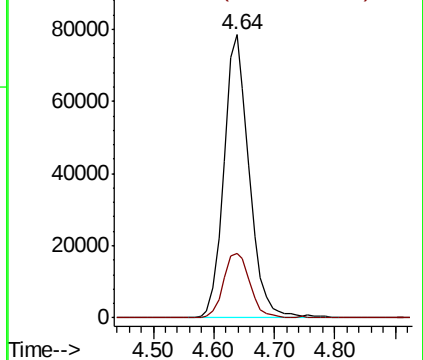


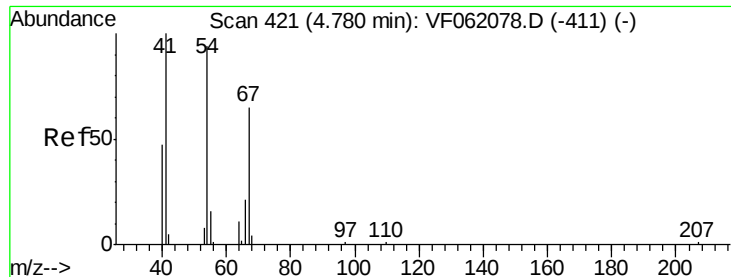
#40
Benzene
Concen: 21.303 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion: 78 Resp: 227102
Ion Ratio Lower Upper
78 100
77 22.6 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

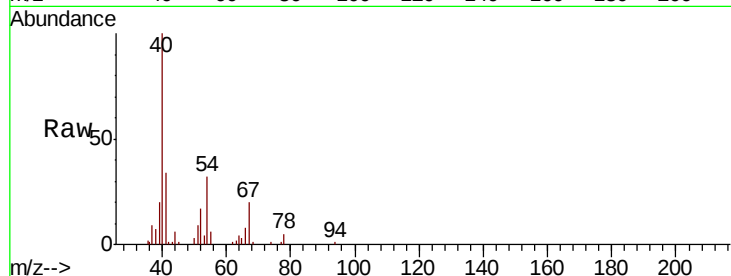




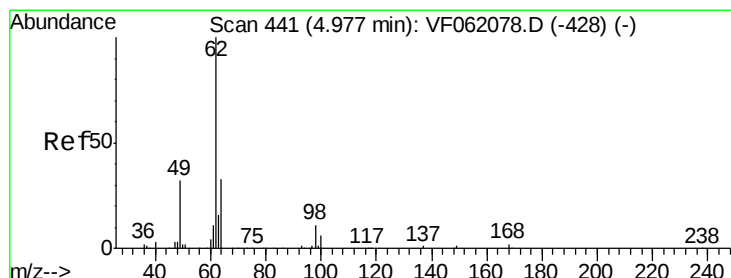
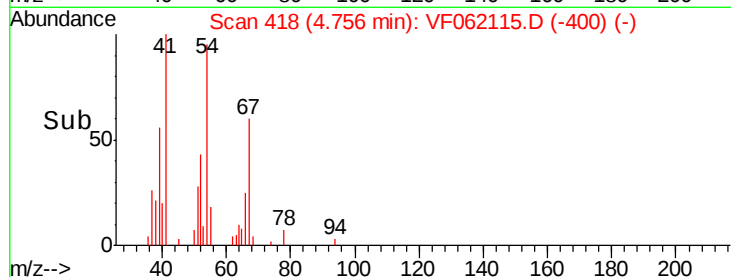
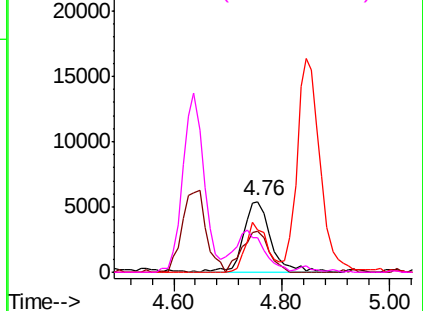
#41
Methacrylonitrile
Concen: 20.856 ug/l
RT: 4.76 min Scan# 418
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	19178
Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.5	65.3
67	60.1	51.6	77.4
52	48.9	36.5	54.7

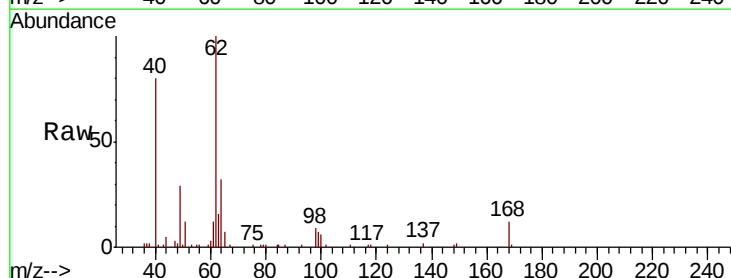


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

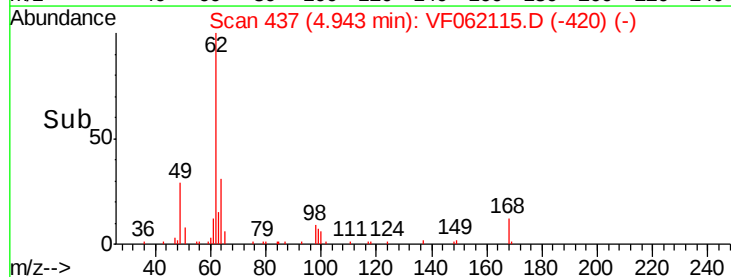
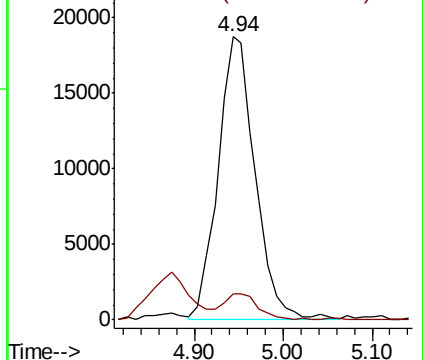


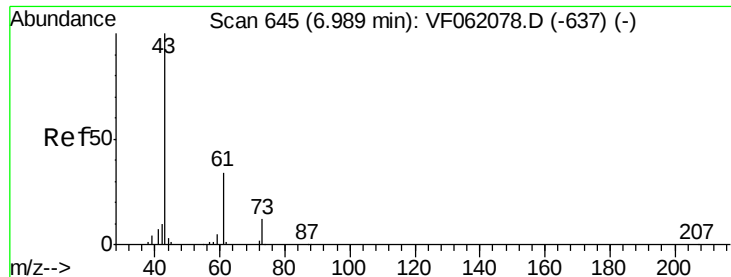
#42
1,2-Dichloroethane
Concen: 21.657 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:	62	Resp:	54595
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	23.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 19.233 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

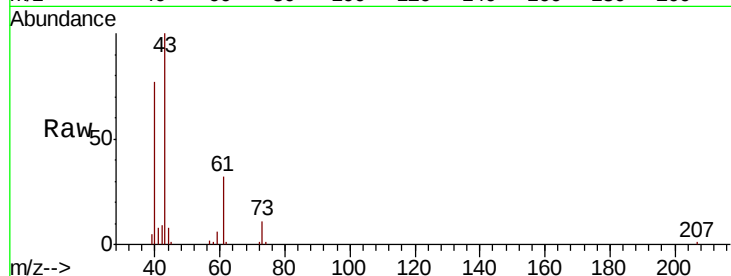
Tot Ion: 43 Resp: 40478

Ion Ratio Lower Upper

43 100

61 31.9 27.0 40.4

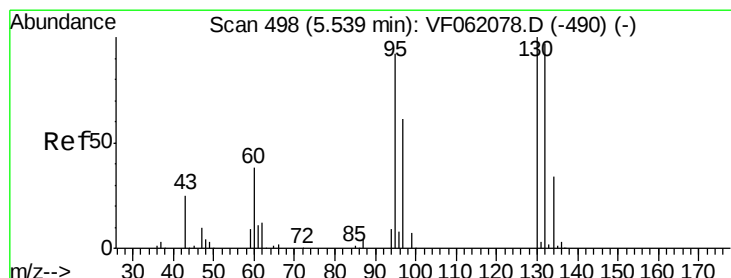
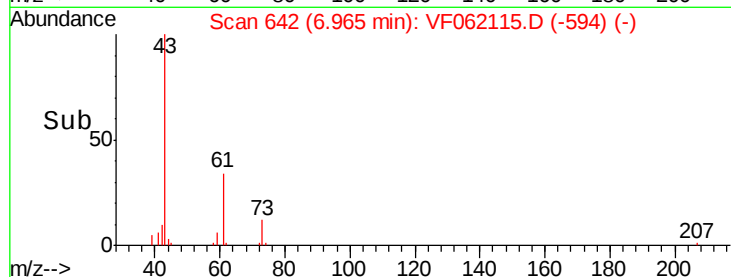
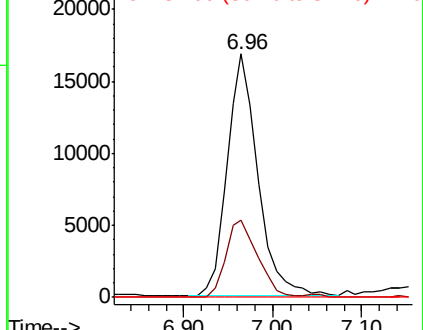
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.137 ug/l

RT: 5.51 min Scan# 494

Delta R.T. -0.03 min

Lab File: VF062115.D

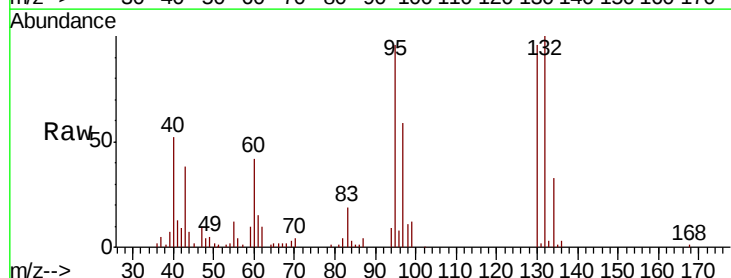
Acq: 23 Mar 2019 14:13

Tgt Ion:130 Resp: 68892

Ion Ratio Lower Upper

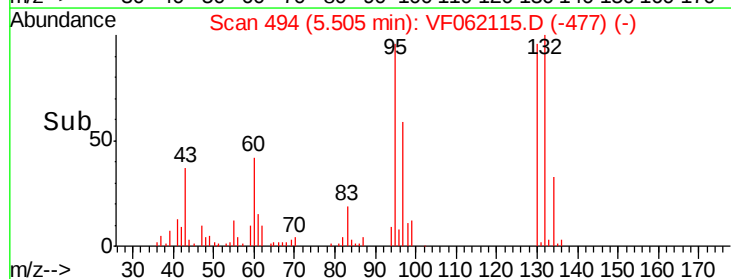
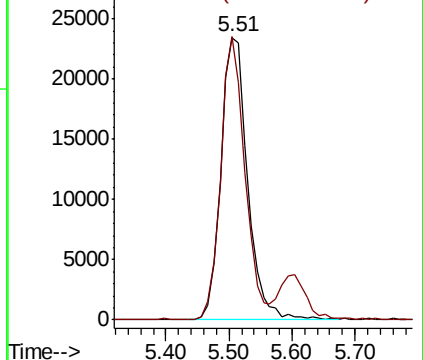
130 100

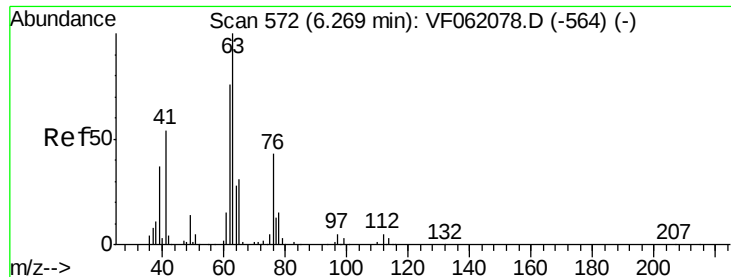
95 100.3 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.087 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

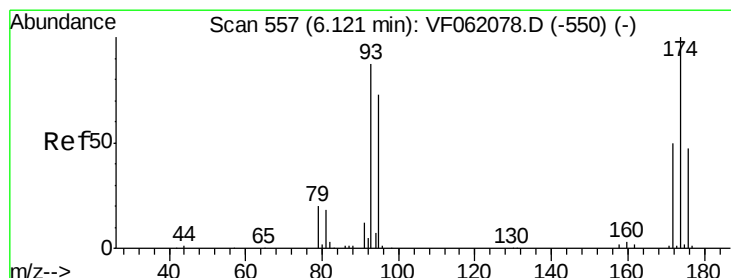
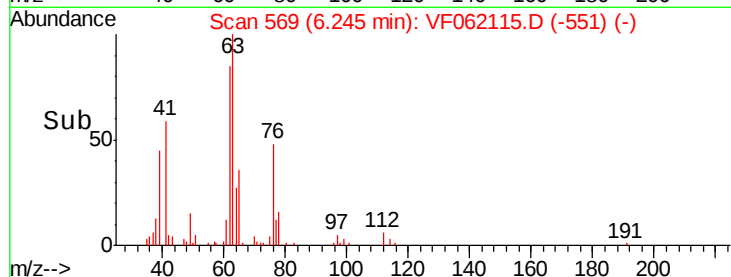
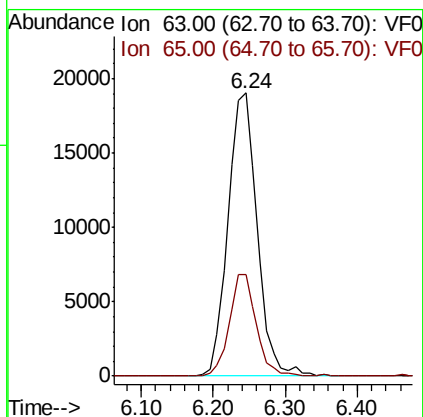
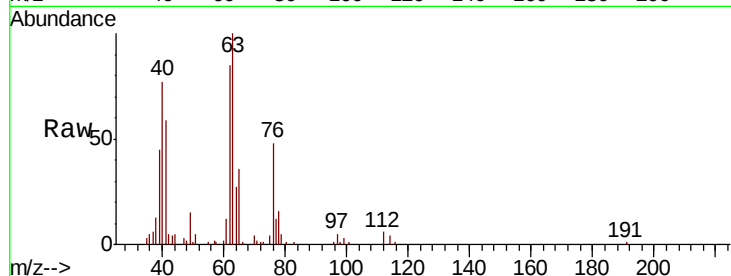
ClientSampleId :

Tot Ion: 63 Resp: 53615

Ion Ratio Lower Upper

63 100

65 35.8 24.9 37.3



#46

Dibromomethane

Concen: 21.029 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

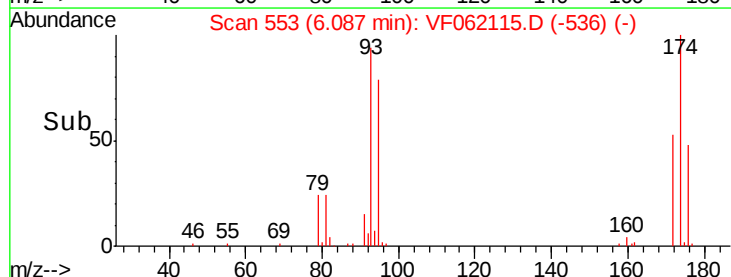
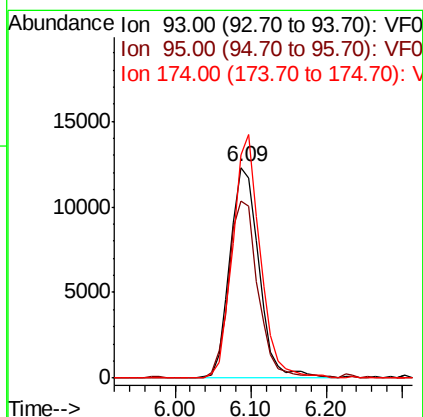
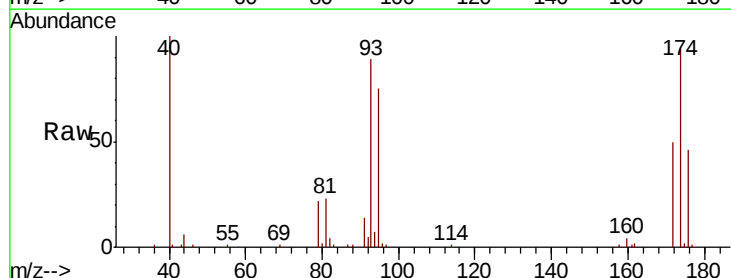
Tgt Ion: 93 Resp: 32693

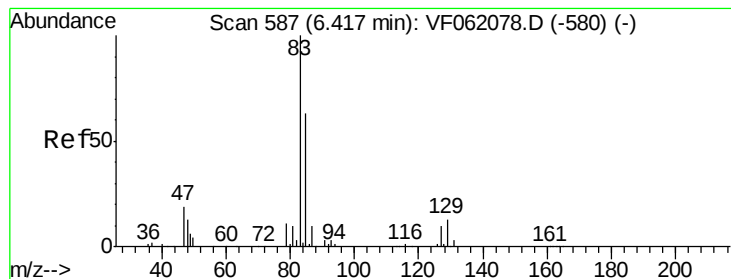
Ion Ratio Lower Upper

93 100

95 84.0 67.4 101.2

174 105.9 92.0 138.0





#47

Bromodichloromethane

Concen: 20.660 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

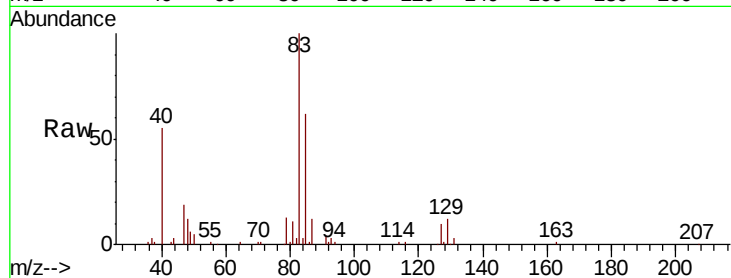
Tot Ion: 83 Resp: 71144

Ion Ratio Lower Upper

83 100

85 62.2 50.7 76.1

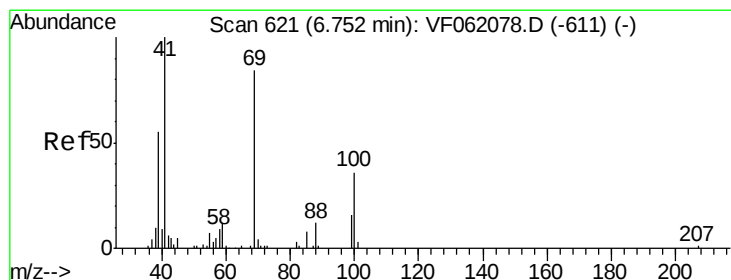
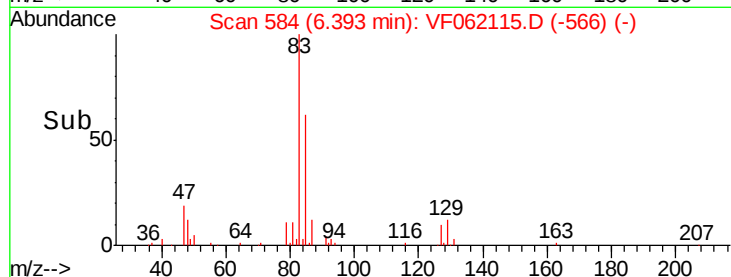
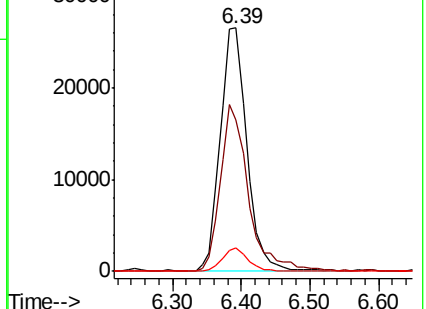
127 9.8 7.8 11.6



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: 19.580 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

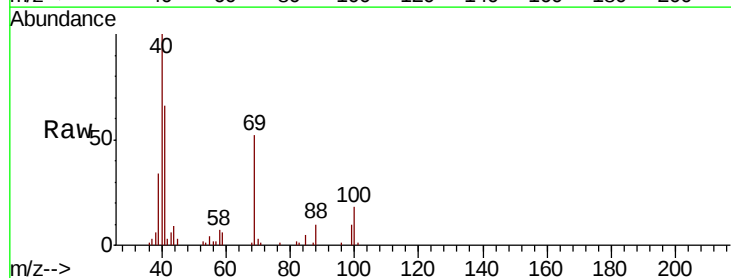
Tgt Ion: 41 Resp: 23463

Ion Ratio Lower Upper

41 100

69 79.4 66.6 100.0

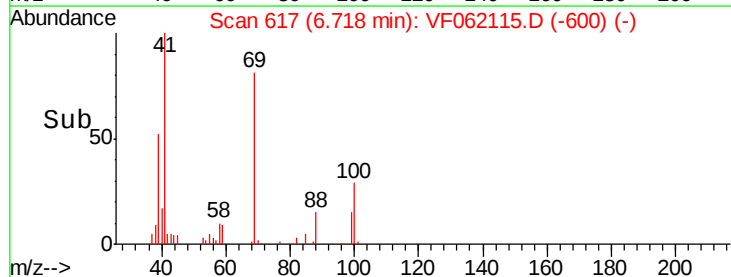
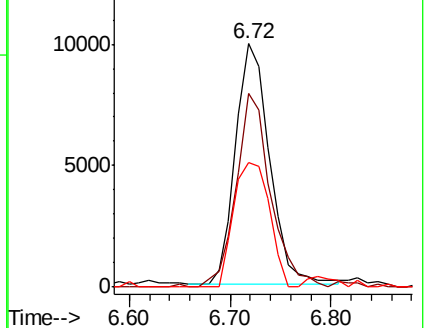
39 51.4 43.6 65.4

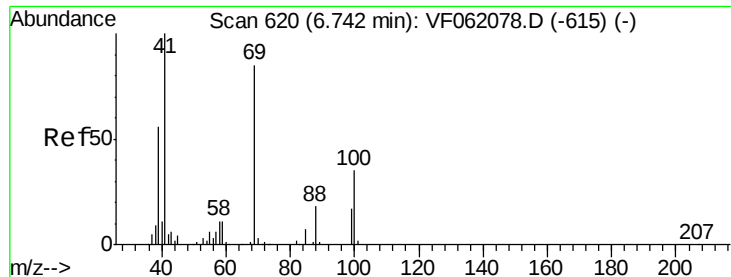


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 427.011 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

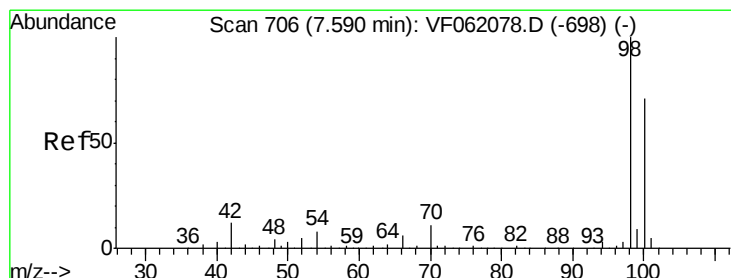
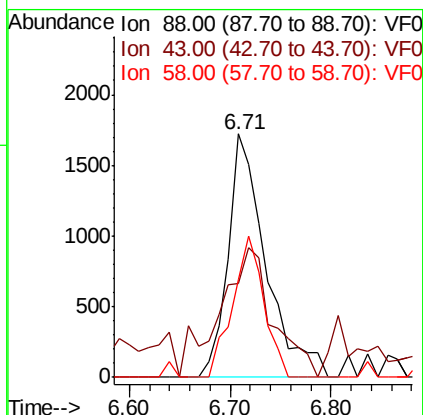
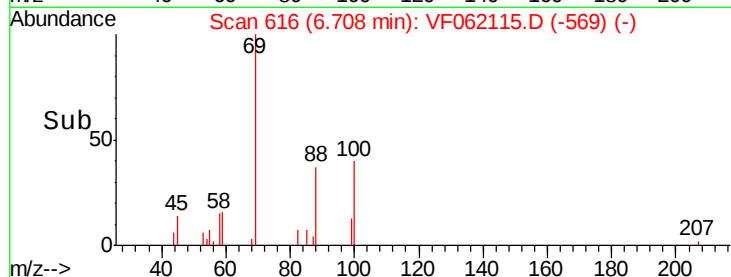
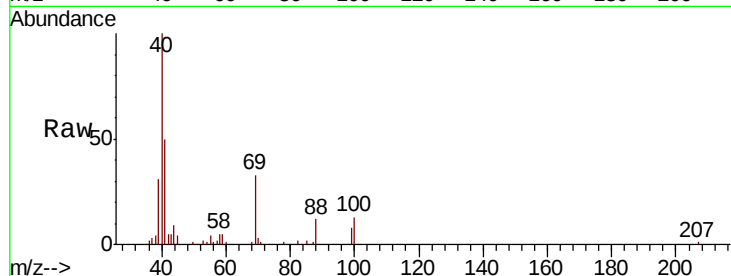
Tot Ion: 88 Resp: 4490

Ion Ratio Lower Upper

88 100

43 38.5 35.0 52.4

58 40.0 49.9 74.9#



#50

Toluene-d8

Concen: 43.572 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.03 min

Lab File: VF062115.D

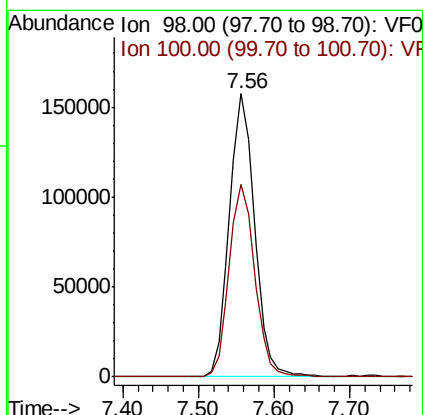
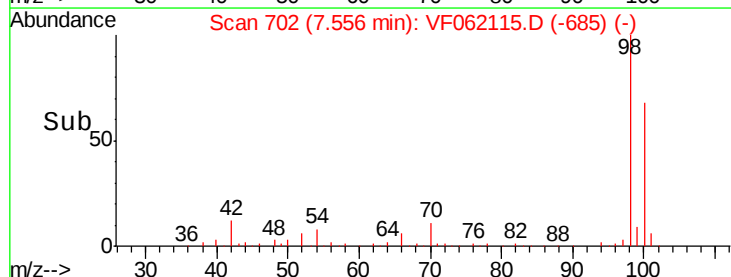
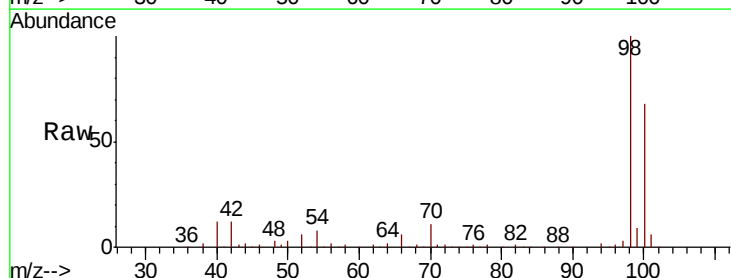
Acq: 23 Mar 2019 14:13

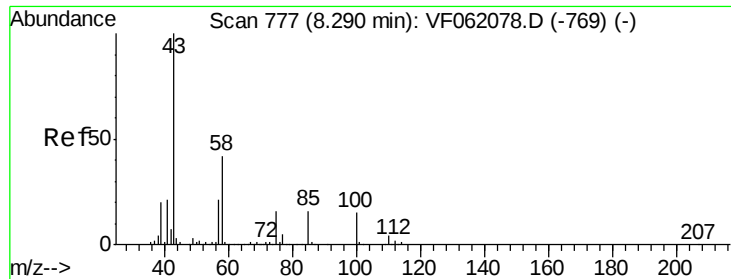
Tgt Ion: 98 Resp: 367314

Ion Ratio Lower Upper

98 100

100 67.9 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 104.935 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

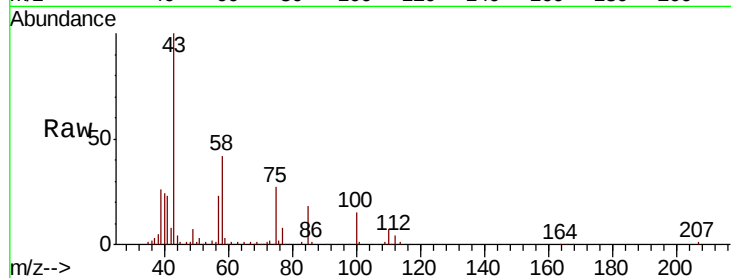
ClientSampleId :

Tot Ion: 43 Resp: 147818

Ion Ratio Lower Upper

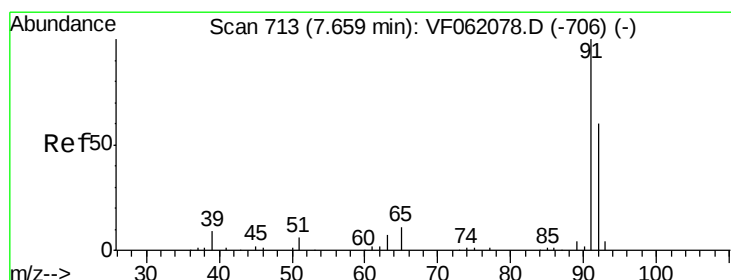
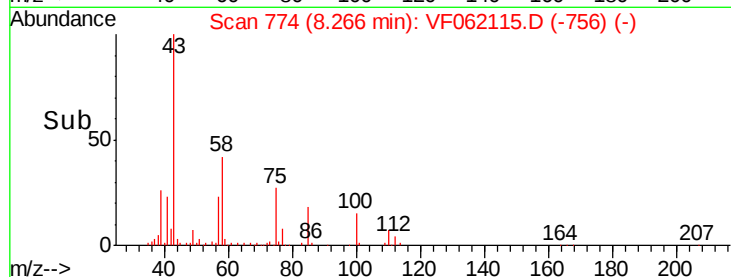
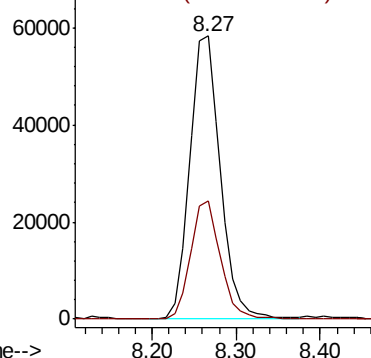
43 100

58 41.8 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.023 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.03 min

Lab File: VF062115.D

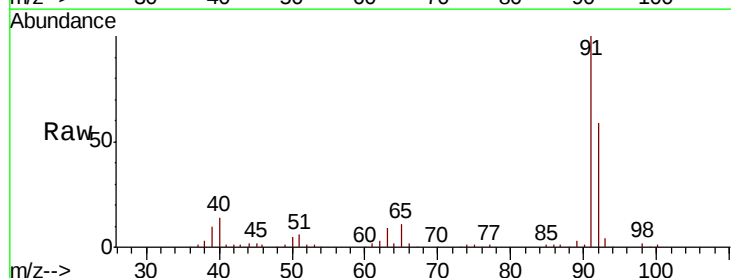
Acq: 23 Mar 2019 14:13

Tgt Ion: 92 Resp: 129810

Ion Ratio Lower Upper

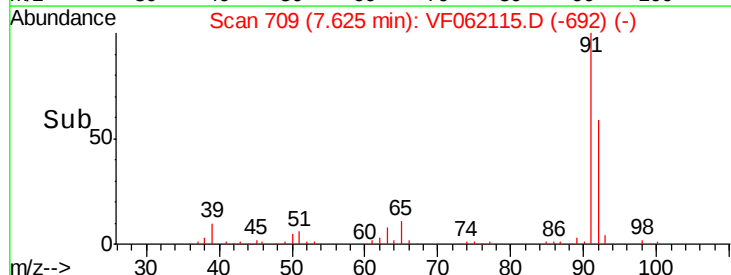
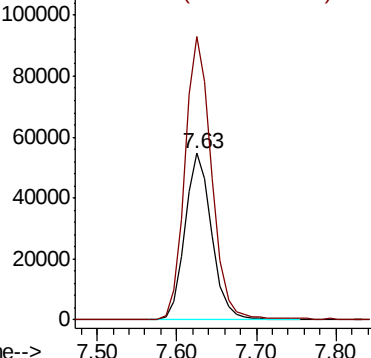
92 100

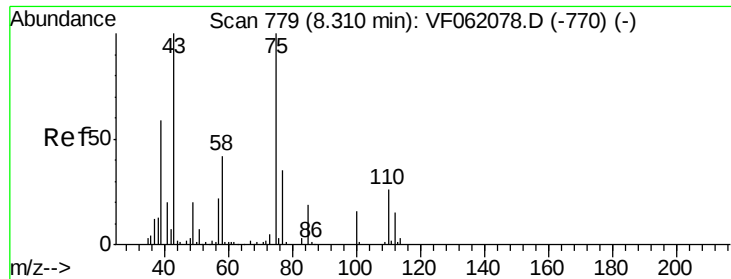
91 170.2 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

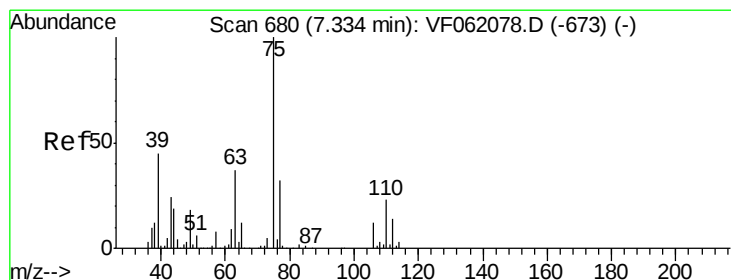
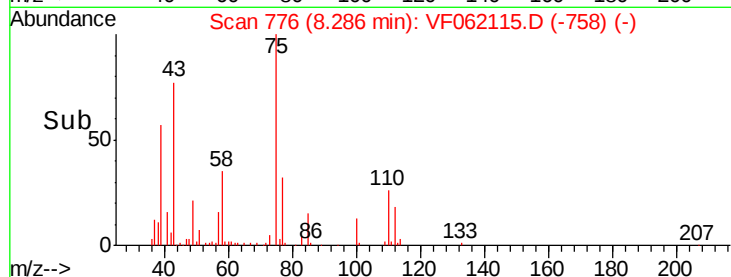
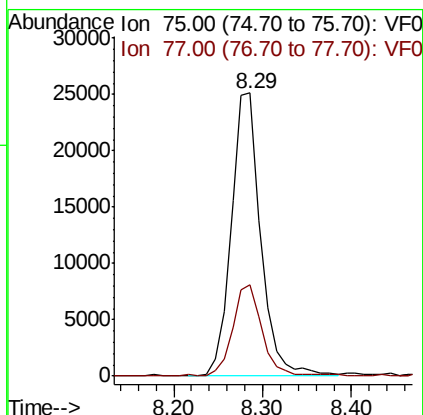
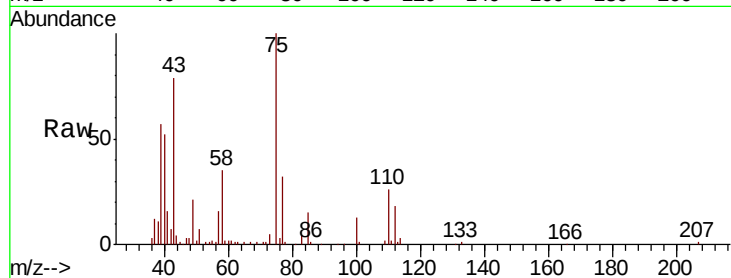




#53
 t-1,3-Dichloropropene
 Concen: 21.602 ug/l
 RT: 8.29 min Scan# 776
 Delta R.T. -0.02 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

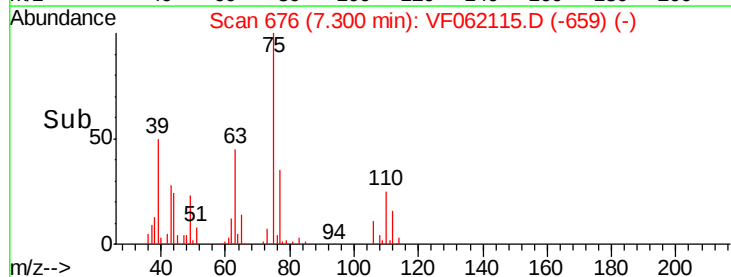
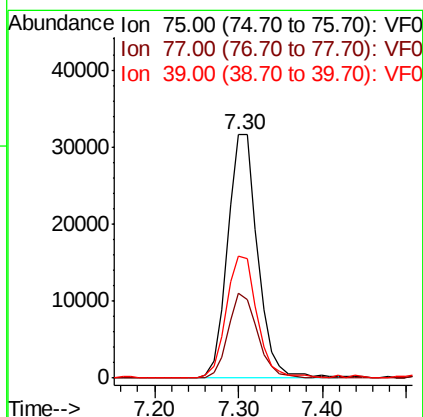
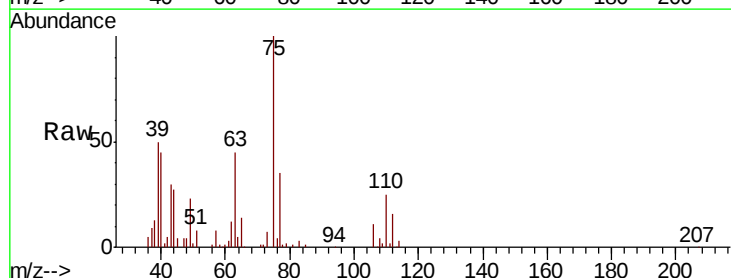
Instrument :
 MSVOA_F
 ClientSampled :

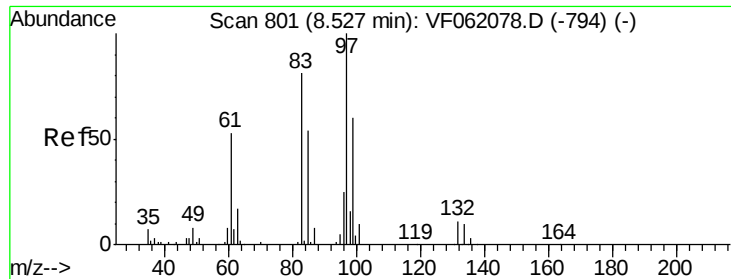
Tot Ion: 75 Resp: 58396
 Ion Ratio Lower Upper
 75 100
 77 32.1 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.341 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Tgt Ion: 75 Resp: 78675
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.8 38.6
 39 50.1 35.9 53.9

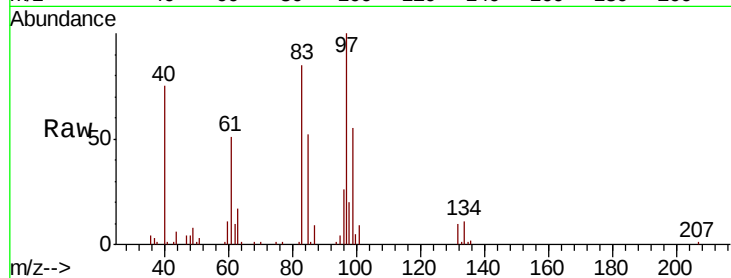




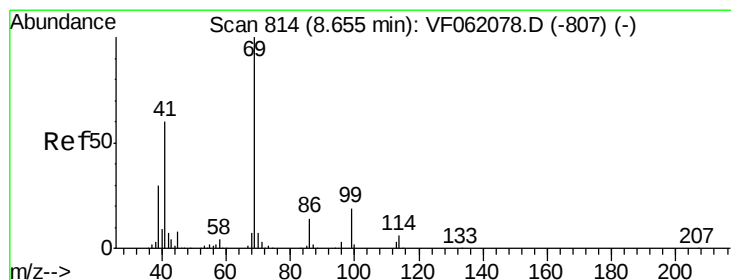
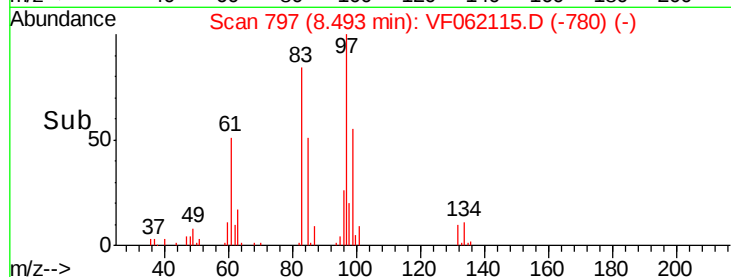
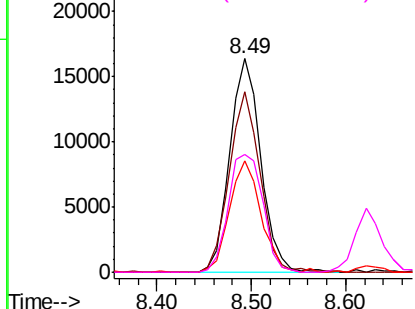
#55
1,1,2-Trichloroethane
Concen: 21.215 ug/l
RT: 8.49 min Scan# 797
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	97	Resp:	37208
Ion	Ratio	Lower	Upper
97	100		
83	84.7	64.6	97.0
85	52.2	43.6	65.4
99	54.9	48.2	72.2

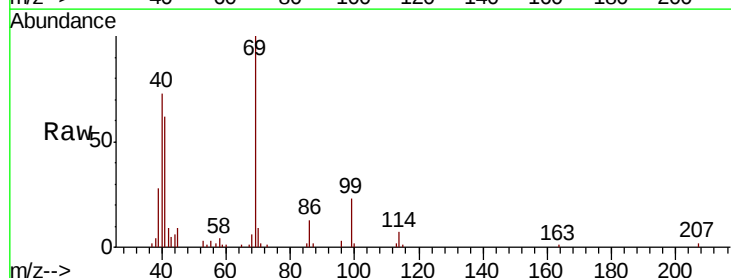


Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0

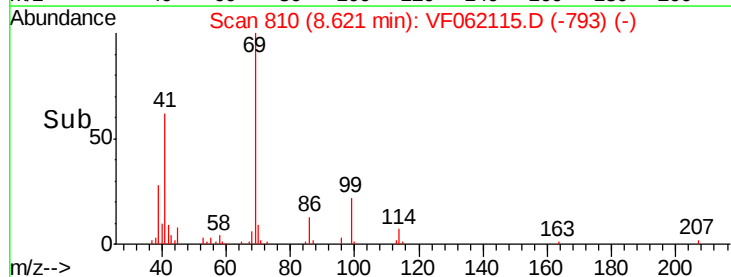
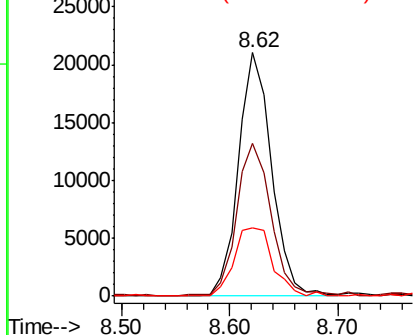


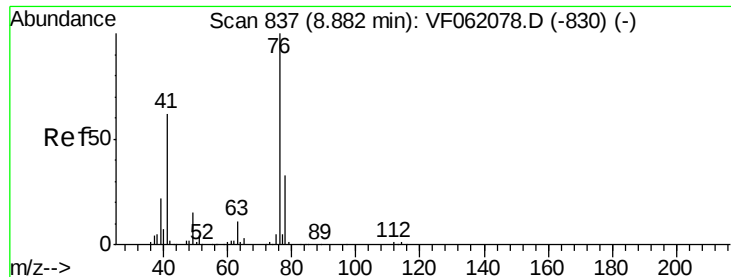
#56
Ethyl methacrylate
Concen: 21.533 ug/l
RT: 8.62 min Scan# 810
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:	69	Resp:	45041
Ion	Ratio	Lower	Upper
69	100		
41	62.5	48.2	72.2
39	27.9	24.0	36.0



Abundance Ion 69.00 (68.70 to 69.70): VF0
Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.271 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

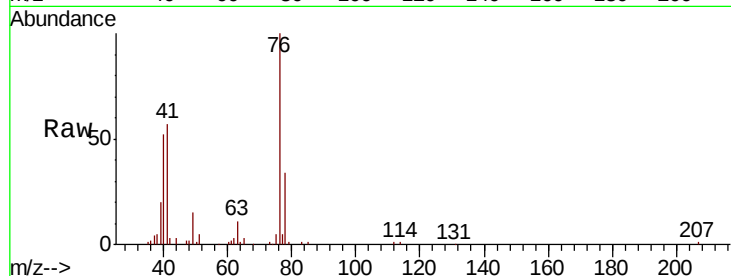
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 61918

Ion Ratio Lower Upper

76 100

78 34.0 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.86

30000

25000

20000

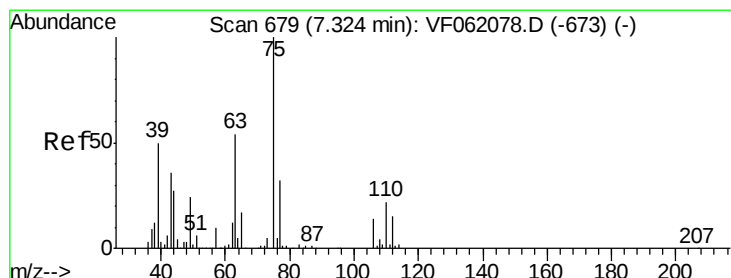
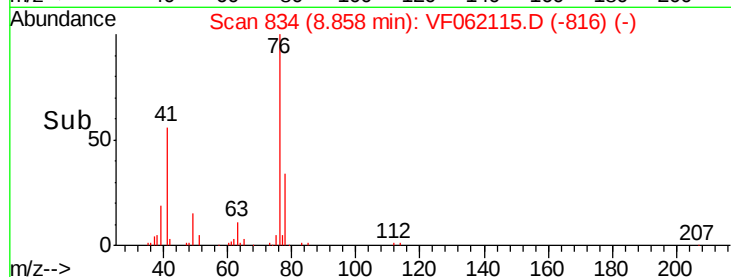
15000

10000

5000

0

Time--> 8.70 8.80 8.90 9.00



#58

2-Chloroethyl Vinyl ether

Concen: 102.323 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.02 min

Lab File: VF062115.D

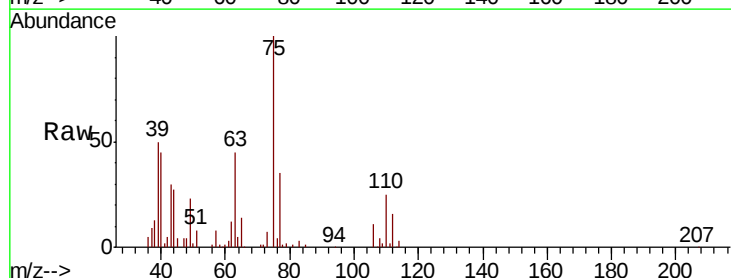
Acq: 23 Mar 2019 14:13

Tgt Ion: 63 Resp: 32477

Ion Ratio Lower Upper

63 100

106 24.1 21.5 32.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.30

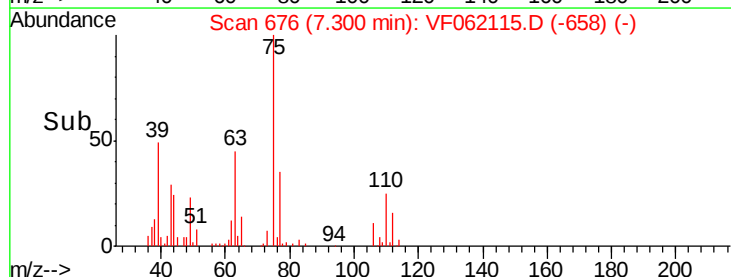
15000

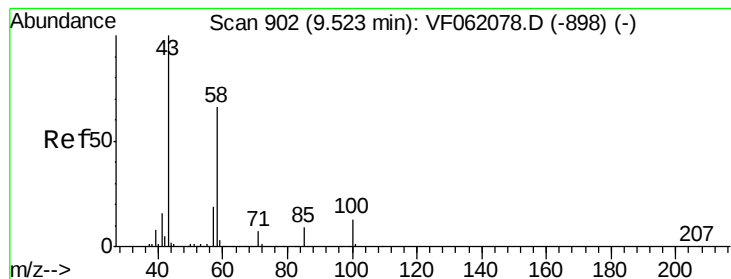
10000

5000

0

Time--> 7.20 7.30 7.40





#59

2-Hexanone

Concen: 107.873 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

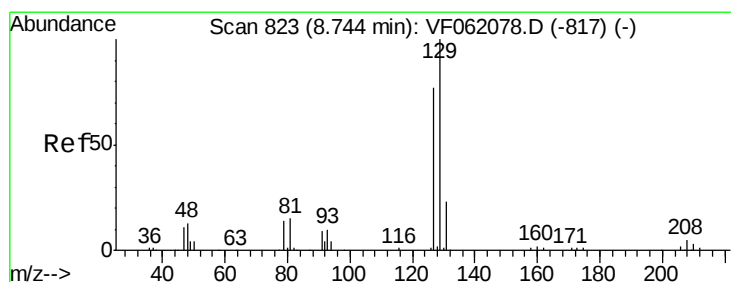
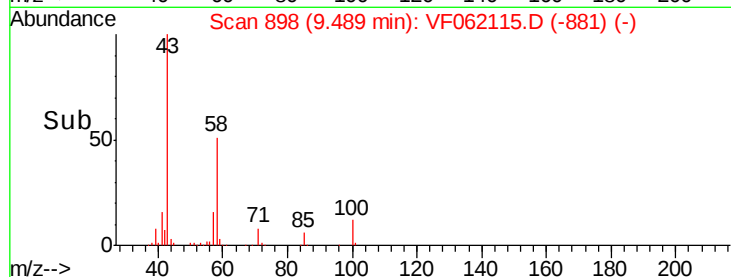
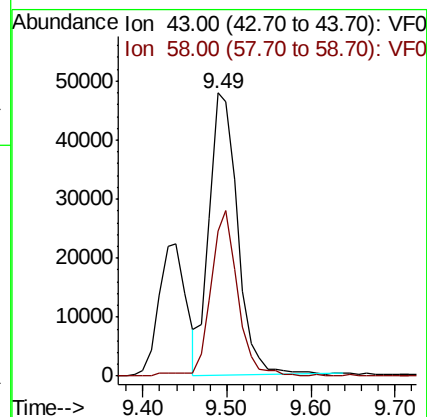
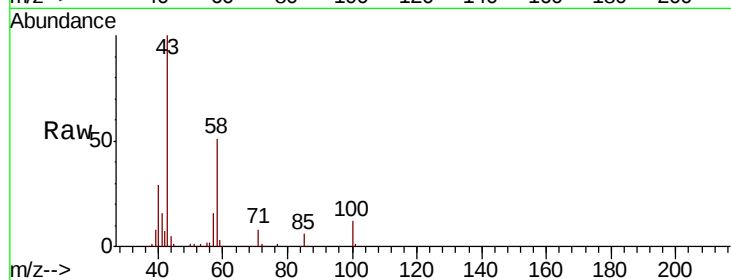
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 111371

Ion Ratio Lower Upper

43 100

58 51.3 28.8 86.4



#60

Dibromochloromethane

Concen: 20.210 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.02 min

Lab File: VF062115.D

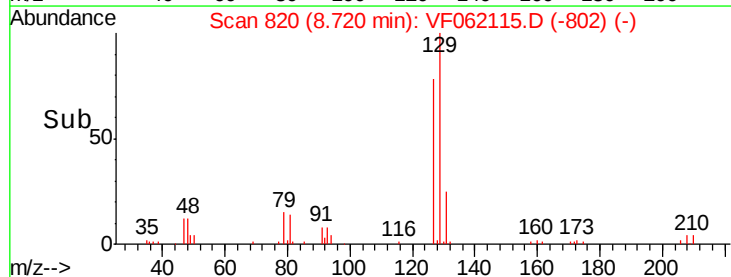
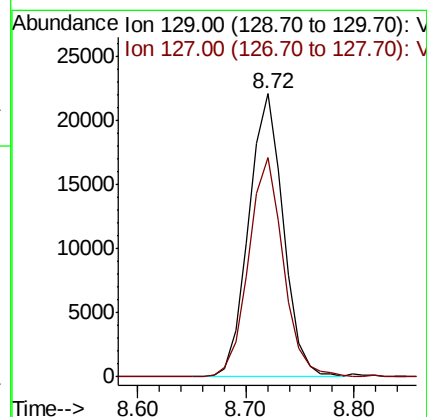
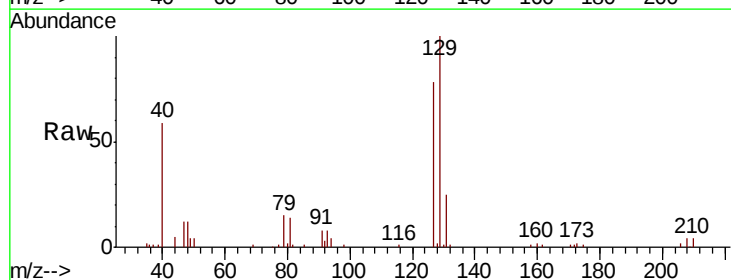
Acq: 23 Mar 2019 14:13

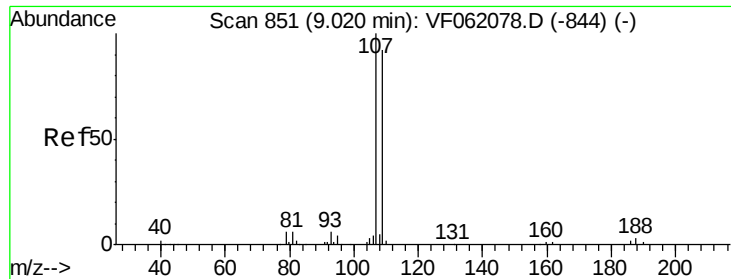
Tgt Ion: 129 Resp: 49276

Ion Ratio Lower Upper

129 100

127 77.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.717 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.03 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

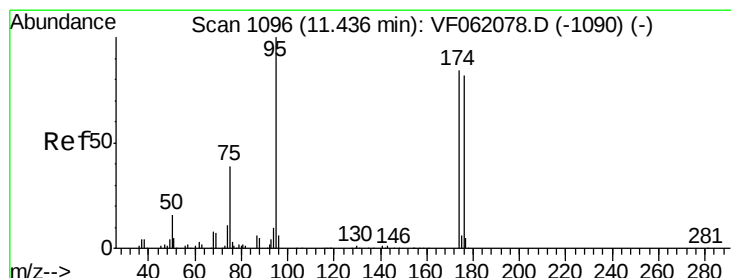
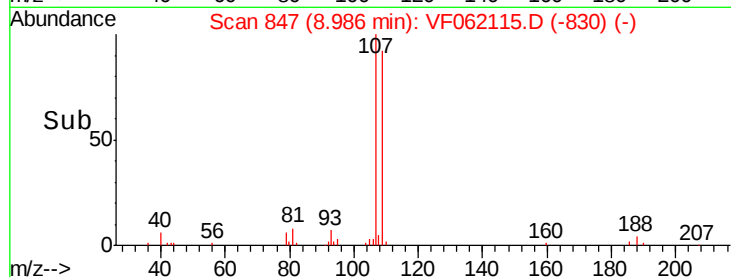
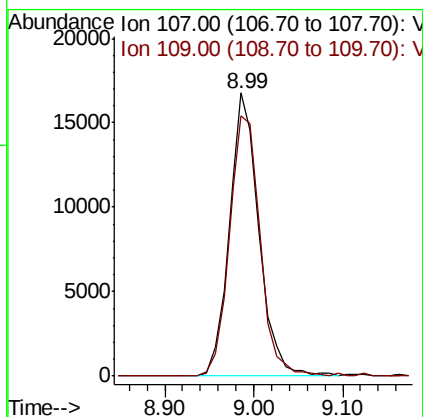
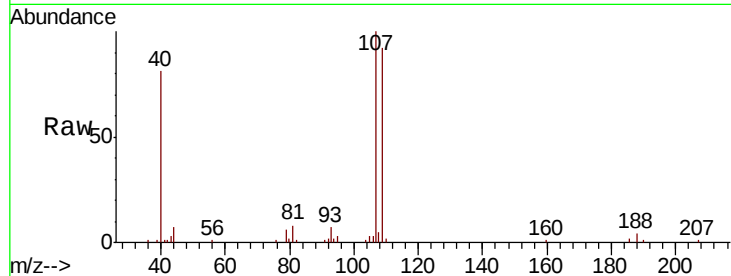
ClientSampleId :

Tot Ion:107 Resp: 38764

Ion Ratio Lower Upper

107 100

109 92.2 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 44.677 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

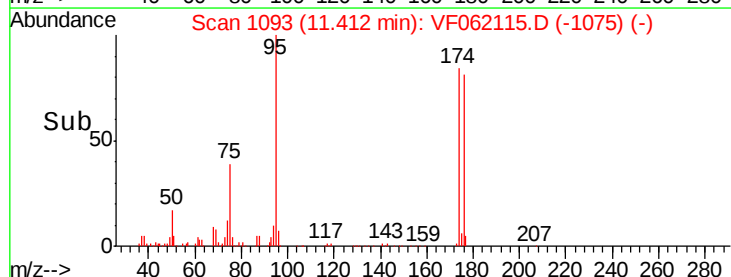
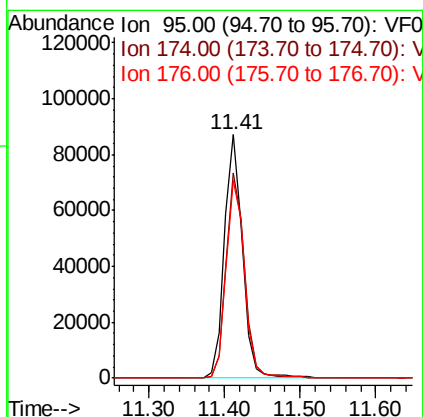
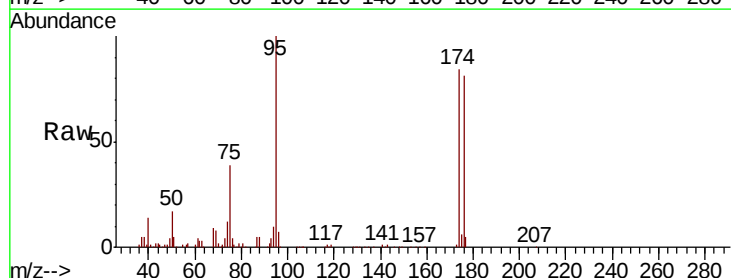
Tgt Ion: 95 Resp: 145401

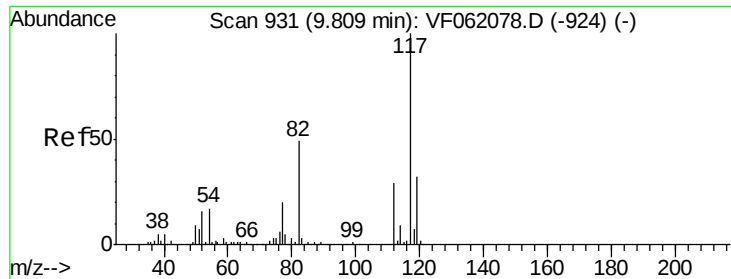
Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.2

176 81.3 0.0 164.2

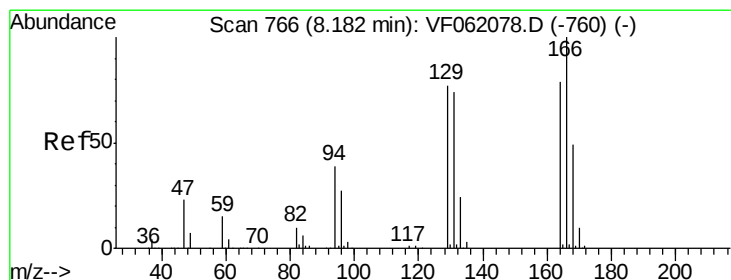
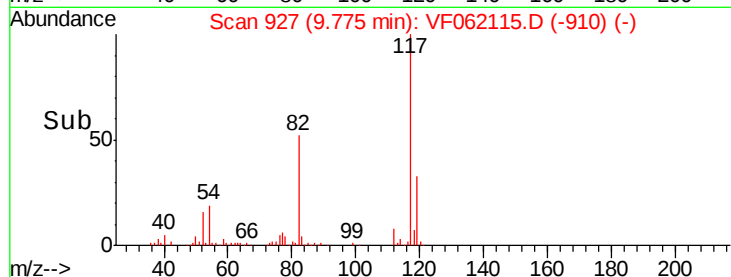
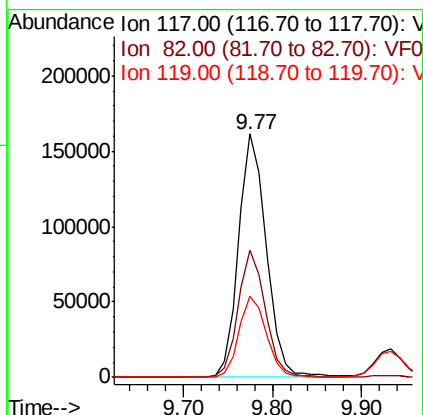
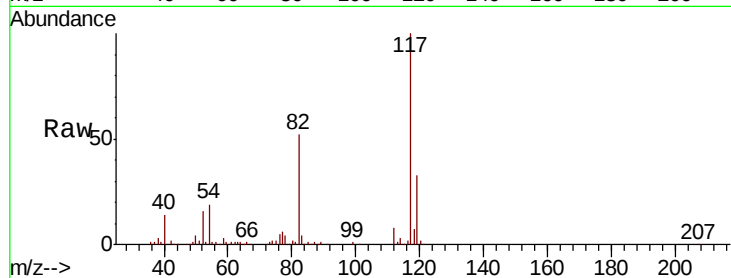




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

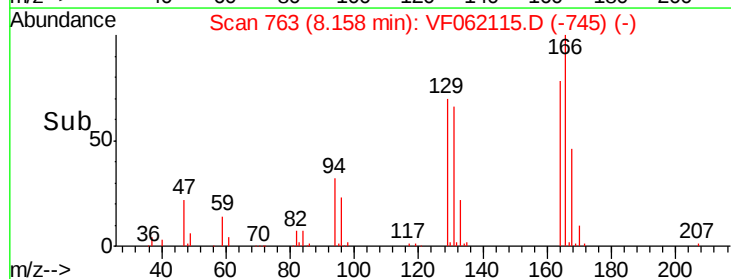
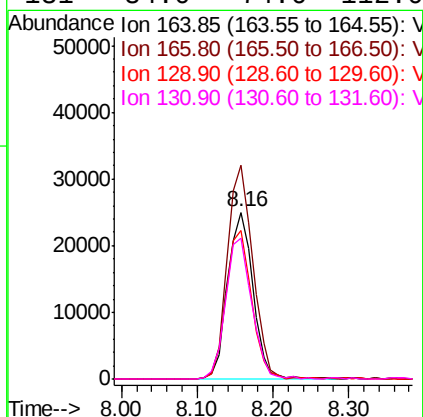
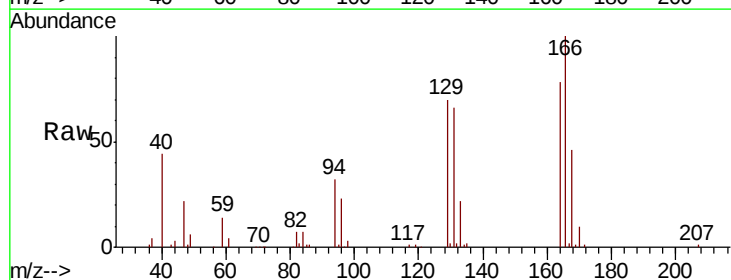
Instrument :
MSVOA_F
ClientSampleId :

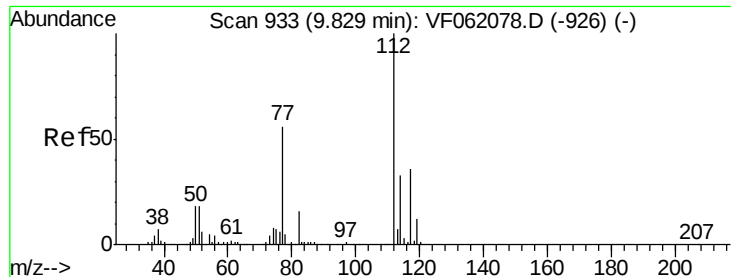
Tot Ion:117 Resp: 350941
Ion Ratio Lower Upper
117 100
82 52.4 39.2 58.8
119 33.1 25.4 38.2



#64
Tetrachloroethene
Concen: 21.426 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:164 Resp: 58092
Ion Ratio Lower Upper
164 100
166 127.9 100.9 151.3
129 89.1 77.9 116.9
131 84.0 74.6 112.0

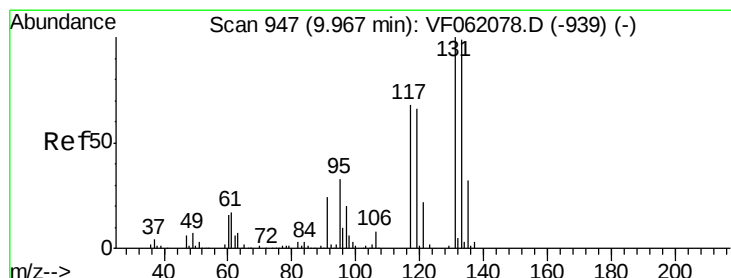
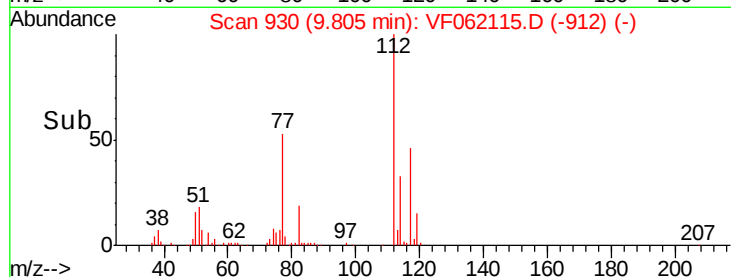
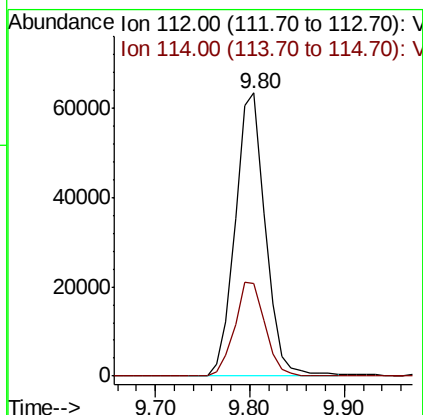
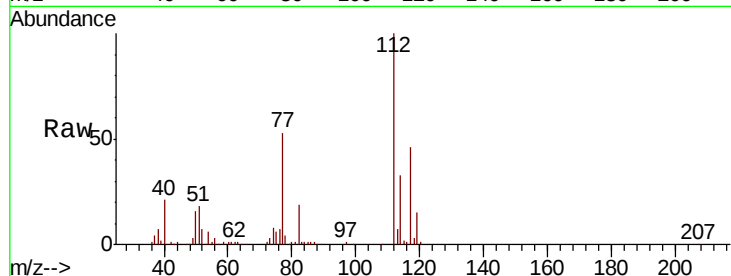




#65
Chlorobenzene
Concen: 21.323 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

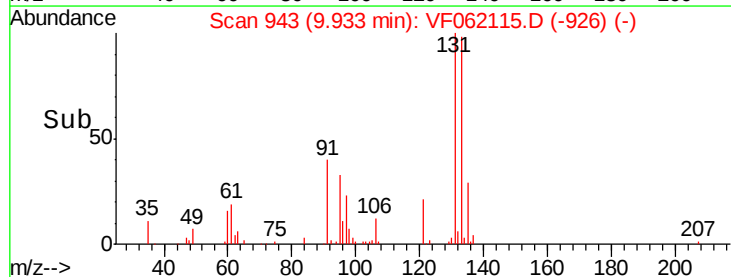
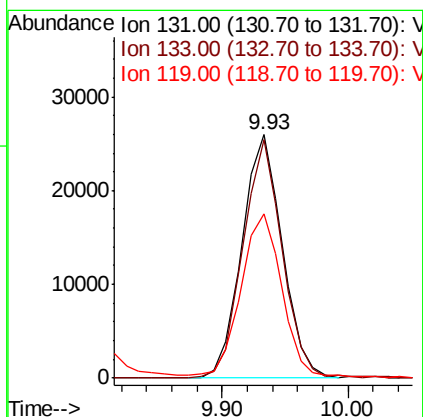
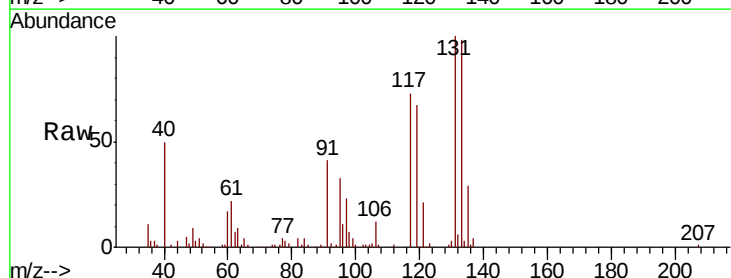
Instrument :
MSVOA_F
ClientSampleId :

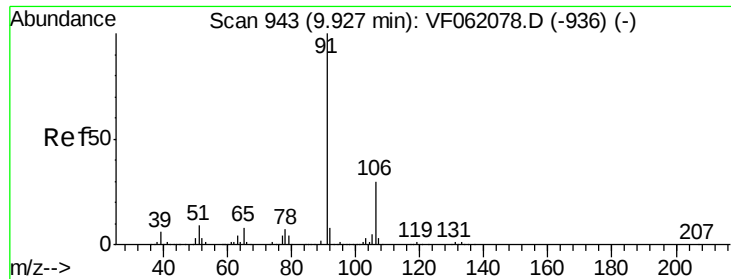
Tot Ion:112 Resp: 140016
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.865 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:131 Resp: 57671
Ion Ratio Lower Upper
131 100
133 97.8 49.3 147.8
119 67.3 33.5 100.4

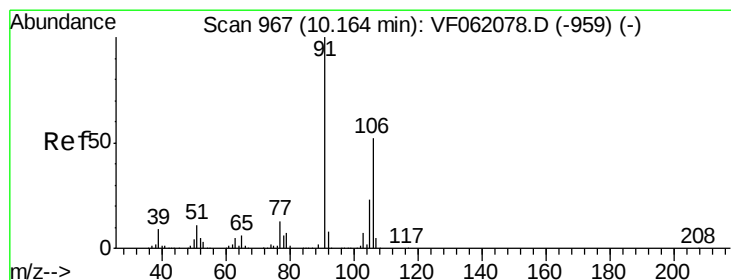
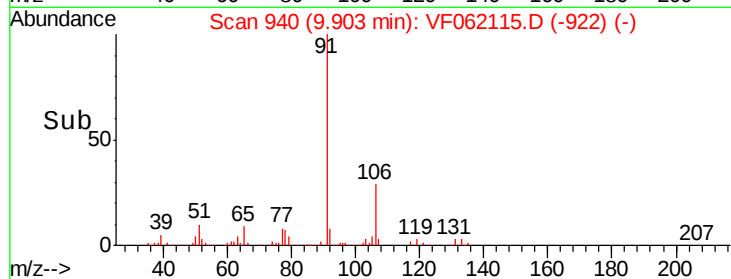
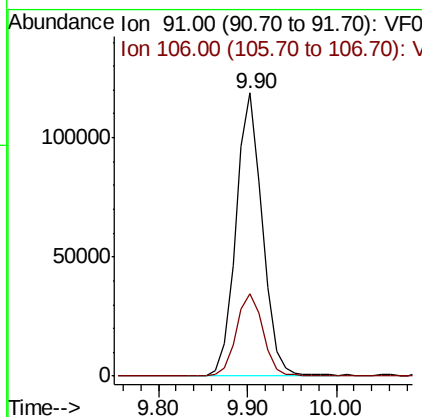
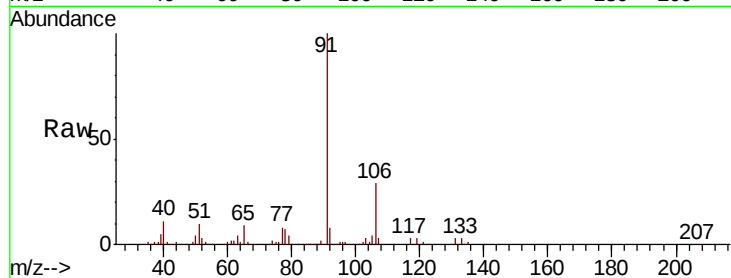




#67
Ethyl Benzene
Concen: 21.475 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

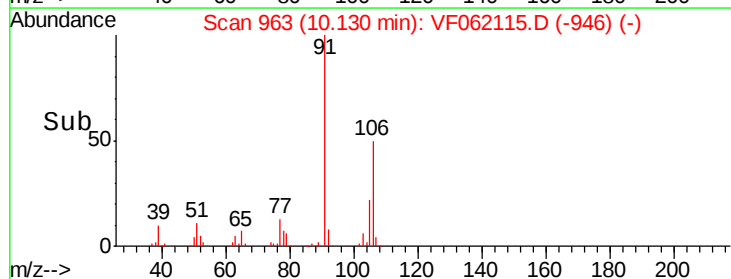
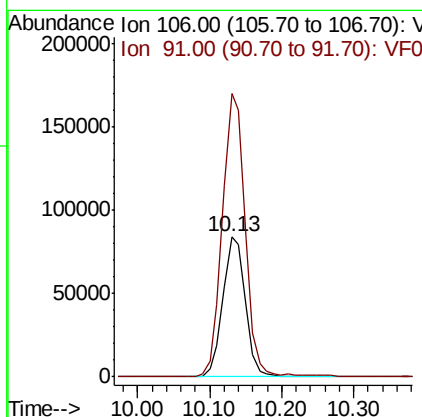
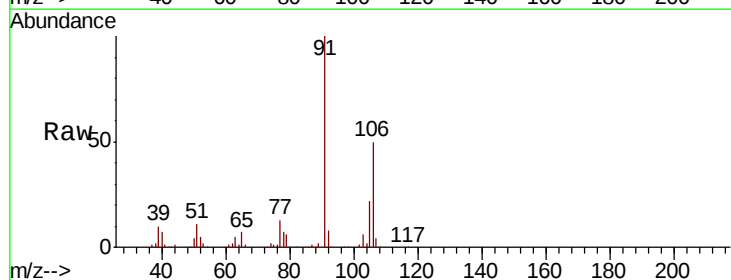
Instrument :
MSVOA_F
ClientSampled :

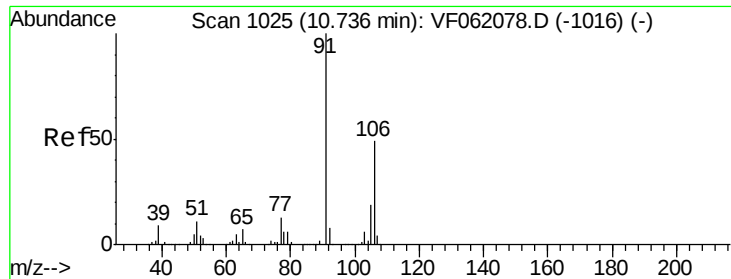
Tot Ion: 91 Resp: 245235
Ion Ratio Lower Upper
91 100
106 29.0 24.0 36.0



#68
m/p-Xylenes
Concen: 42.865 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion: 106 Resp: 182955
Ion Ratio Lower Upper
106 100
91 201.9 154.4 231.6

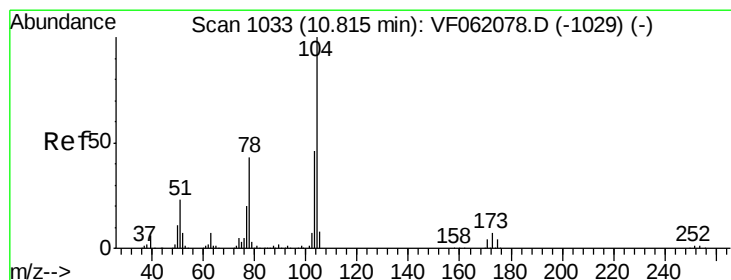
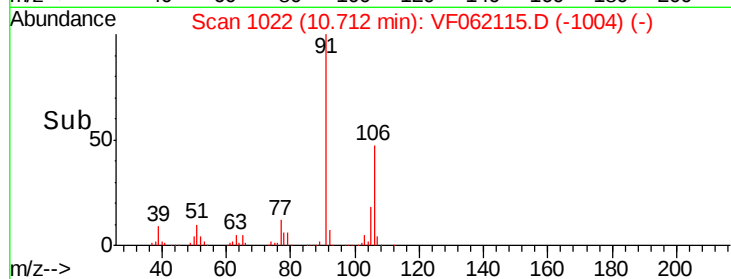
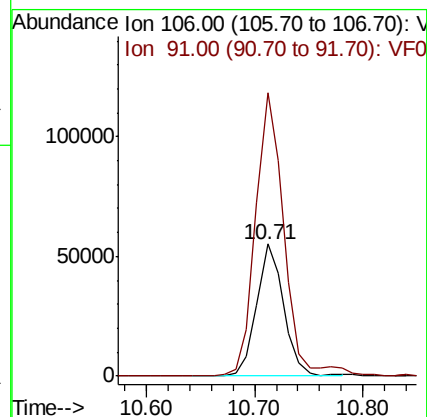
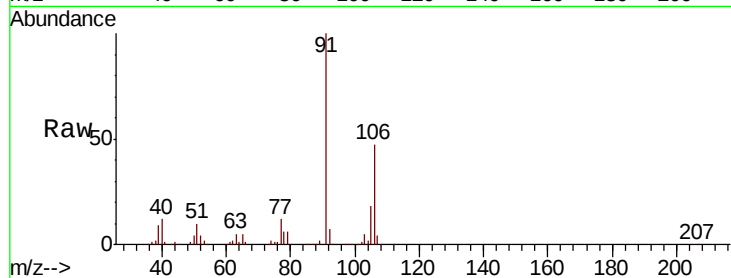




#69
o-Xylene
Concen: 21.711 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

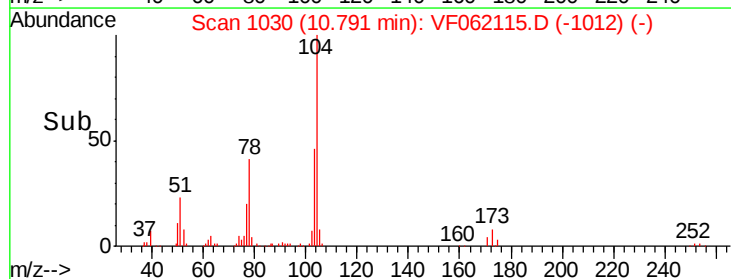
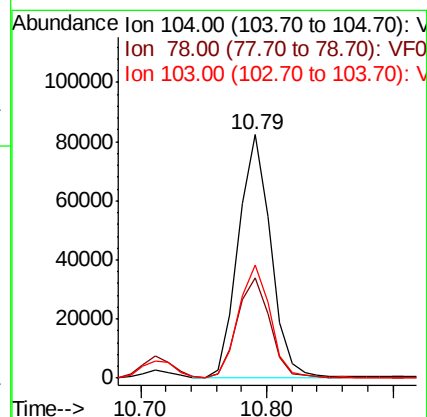
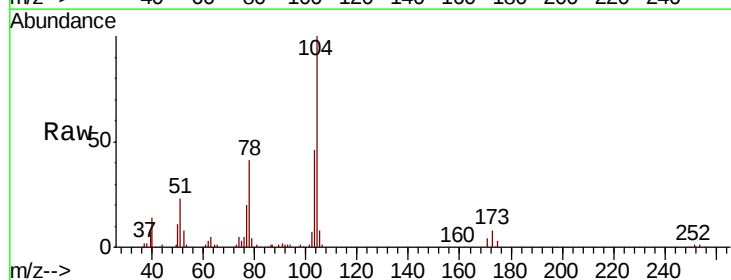
Instrument :
MSVOA_F
ClientSampleId :

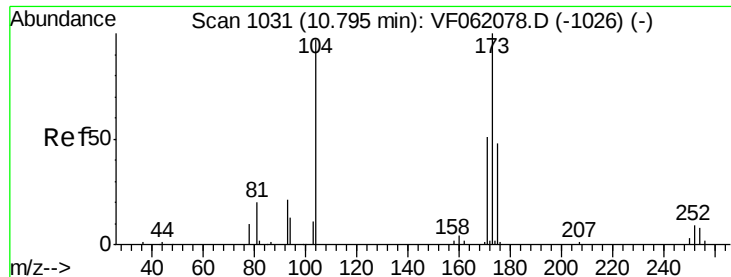
Tot Ion:106 Resp: 97055
Ion Ratio Lower Upper
106 100
91 214.9 102.6 307.8



#70
Styrene
Concen: 21.434 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:104 Resp: 145173
Ion Ratio Lower Upper
104 100
78 41.3 34.3 51.5
103 46.2 36.9 55.3





#71

Bromoform

Concen: 21.865 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

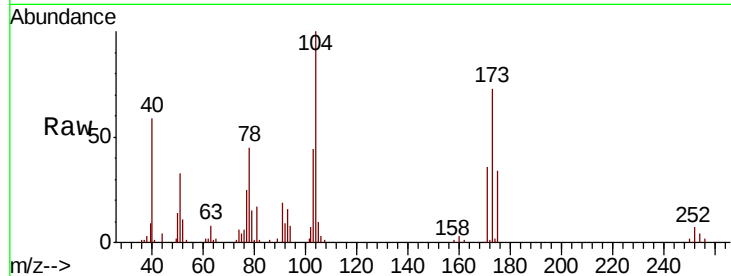
Tot Ion:173 Resp: 29498

Ion Ratio Lower Upper

173 100

175 46.9 24.1 72.4

254 6.1 6.2 9.4#

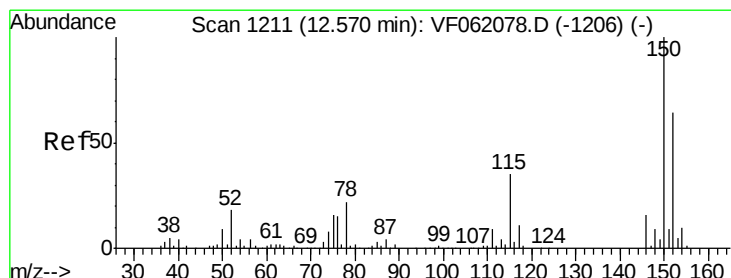
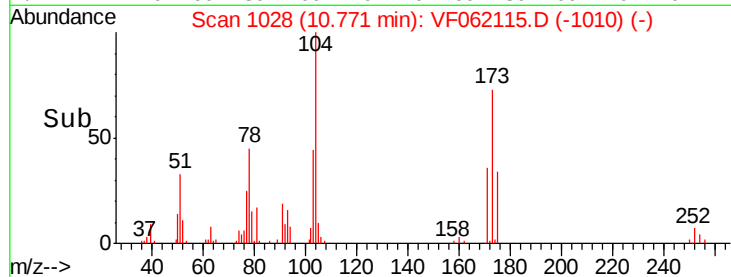
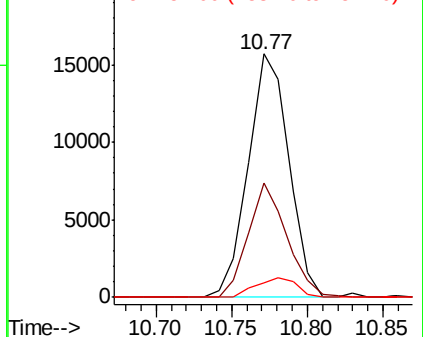


Abundance

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: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

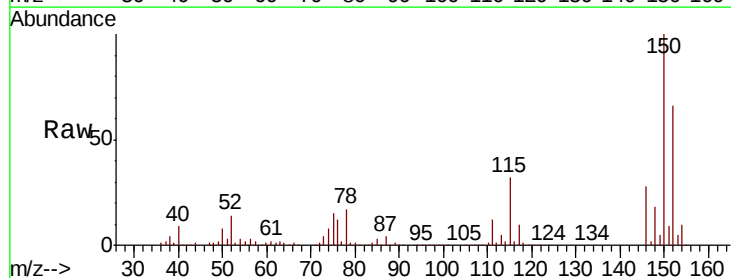
Tgt Ion:152 Resp: 187074

Ion Ratio Lower Upper

152 100

115 49.0 27.7 83.1

150 152.6 0.0 313.2

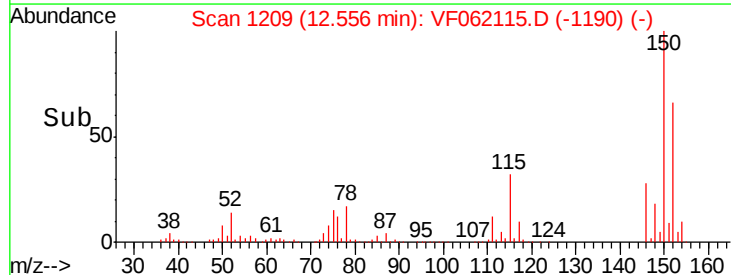
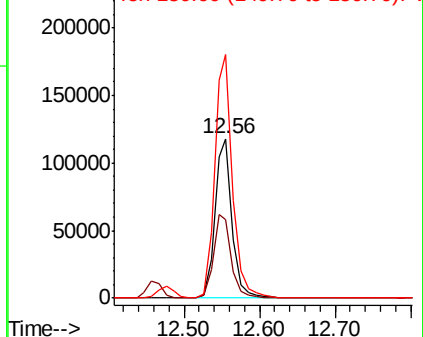


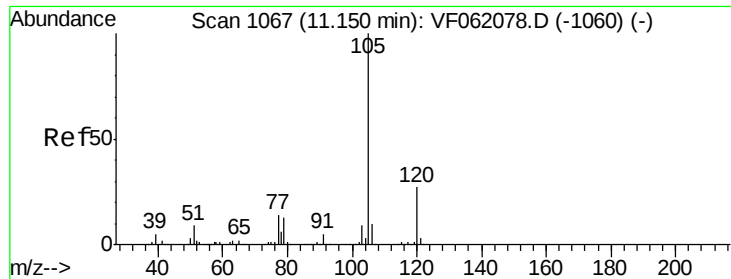
Abundance

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

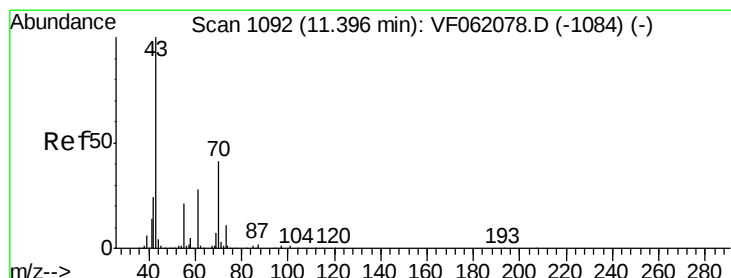
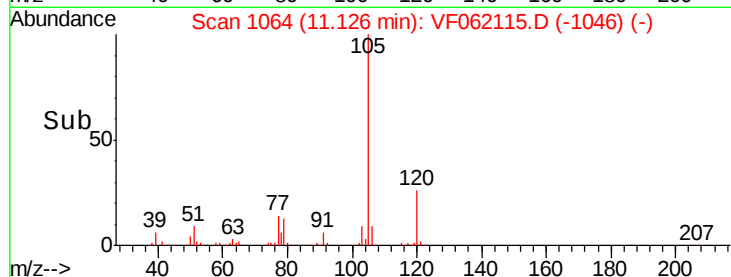
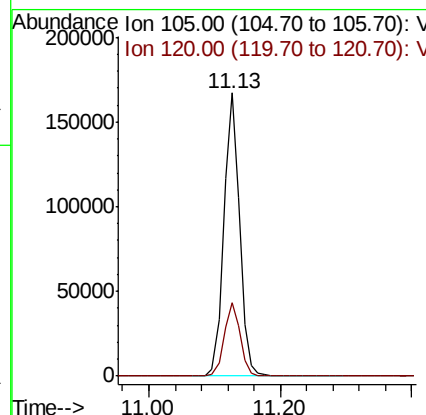
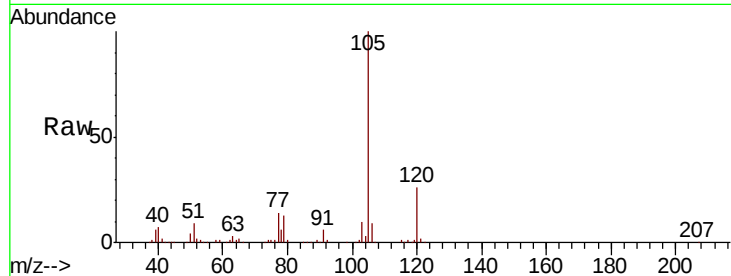




#73
Isopropylbenzene
Concen: 21.151 ug/l
RT: 11.13 min Scan# 1064
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

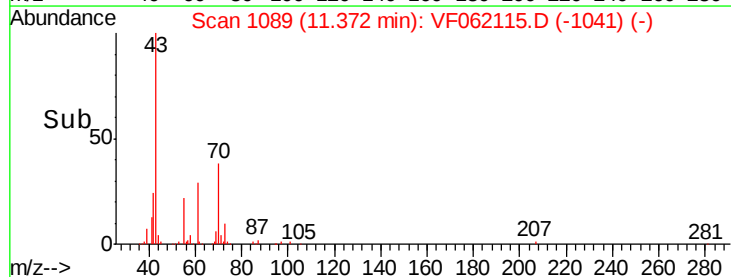
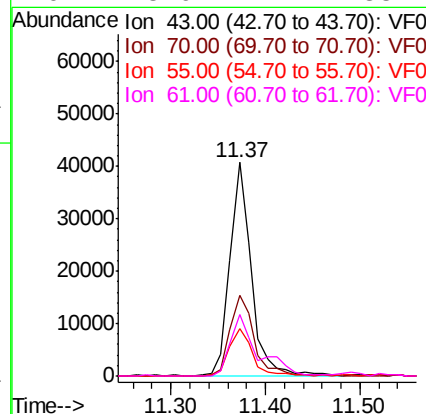
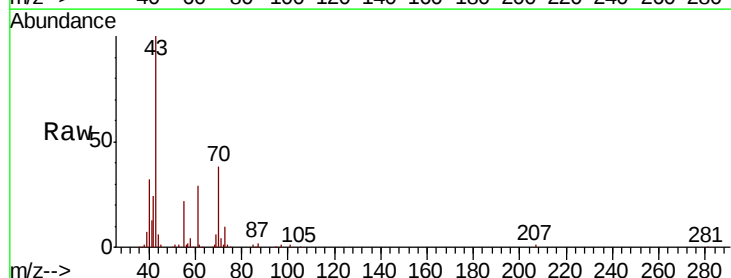
Instrument :
MSVOA_F
ClientSampleId :

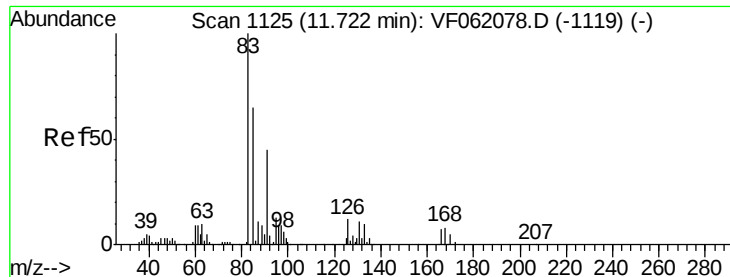
Tot Ion:105 Resp: 278430
Ion Ratio Lower Upper
105 100
120 26.0 13.8 41.3



#74
N-ethyl acetate
Concen: 20.467 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion: 43 Resp: 64196
Ion Ratio Lower Upper
43 100
70 37.6 32.9 49.3
55 22.5 17.1 25.7
61 28.9 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.503 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

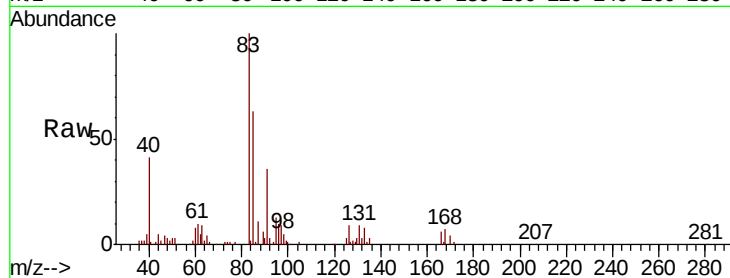
Tot Ion: 83 Resp: 48601

Ion Ratio Lower Upper

83 100

131 9.5 5.3 15.8

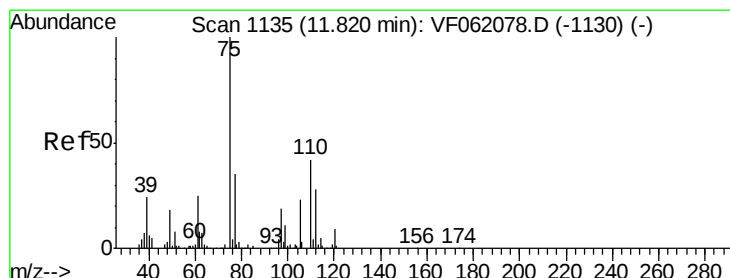
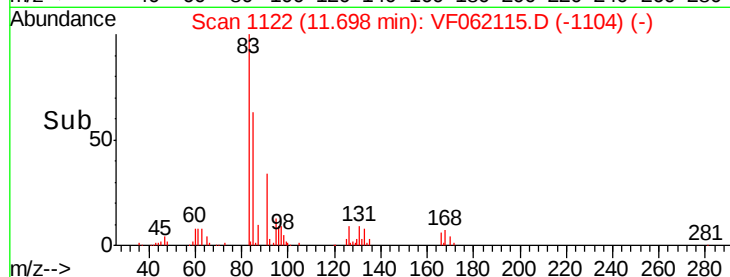
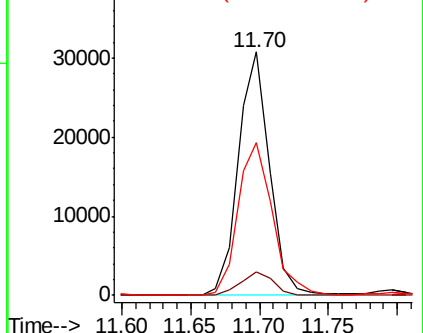
85 62.8 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.879 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.02 min

Lab File: VF062115.D

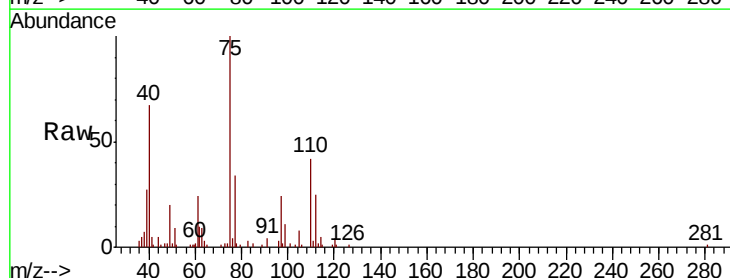
Acq: 23 Mar 2019 14:13

Tgt Ion: 75 Resp: 33211

Ion Ratio Lower Upper

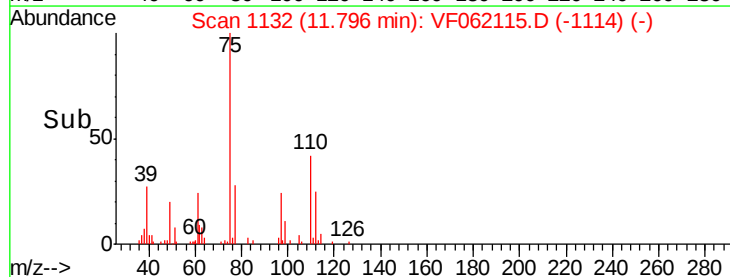
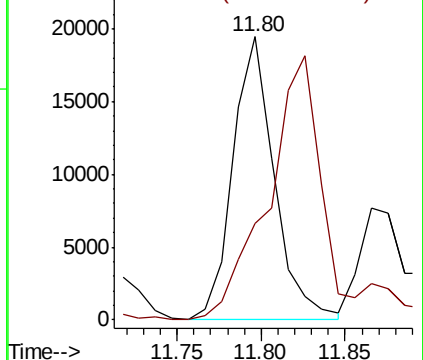
75 100

77 34.1 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.050 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

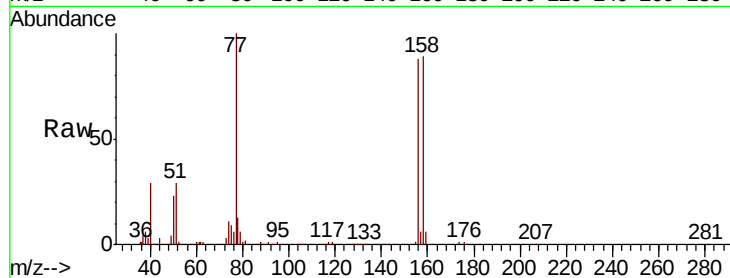
Tot Ion:156 Resp: 67698

Ion Ratio Lower Upper

156 100

77 114.2 61.3 183.9

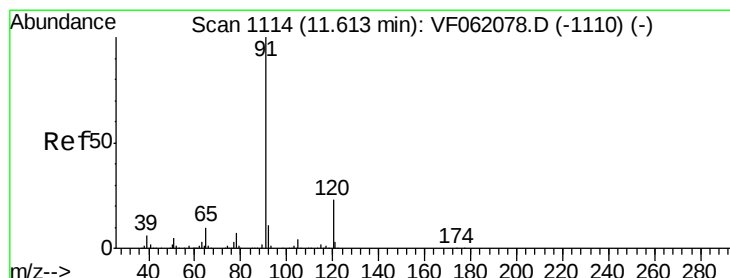
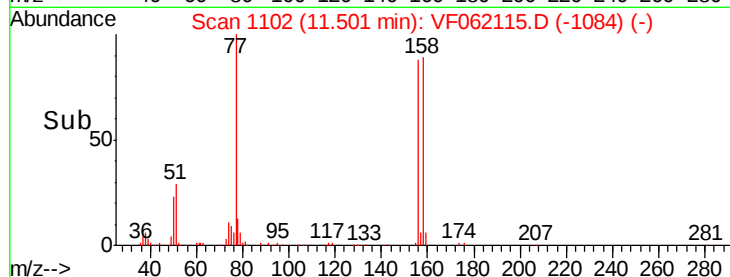
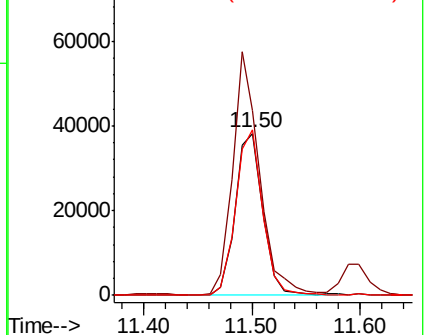
158 101.8 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.870 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062115.D

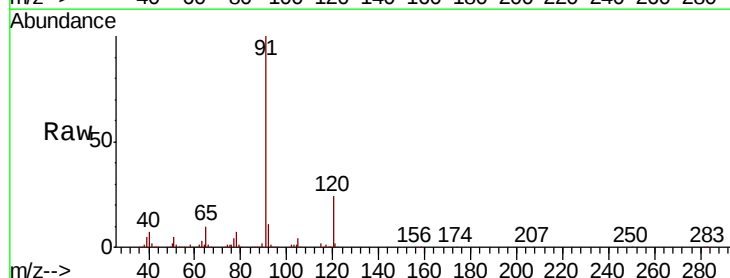
Acq: 23 Mar 2019 14:13

Tgt Ion: 91 Resp: 334299

Ion Ratio Lower Upper

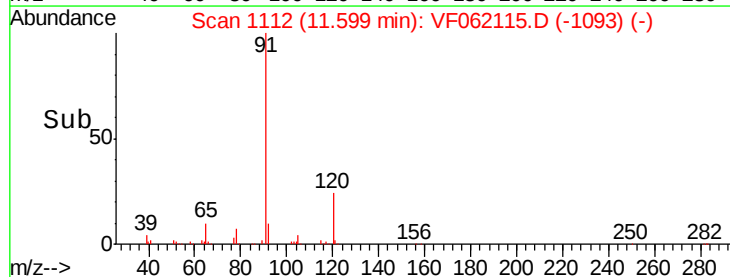
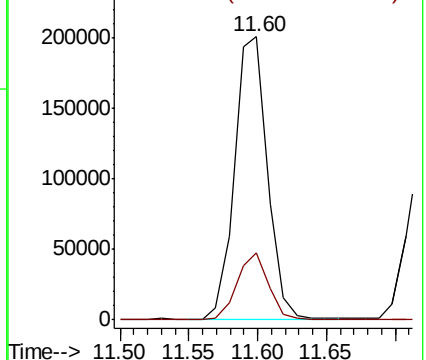
91 100

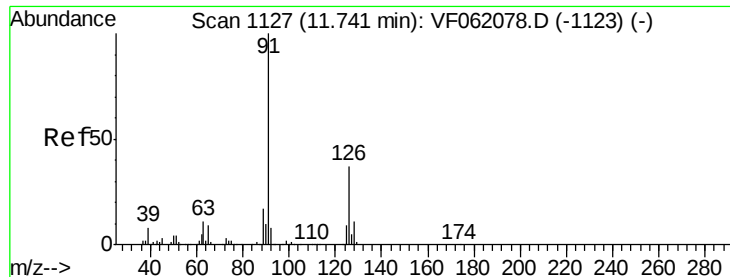
120 23.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.610 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

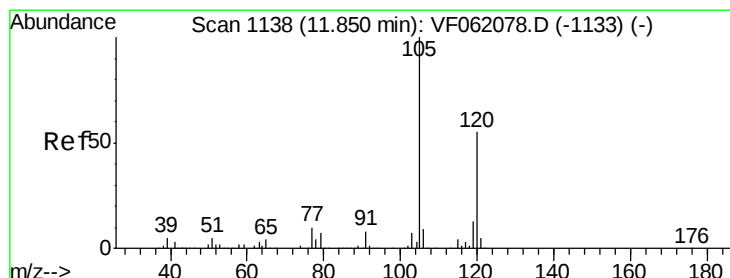
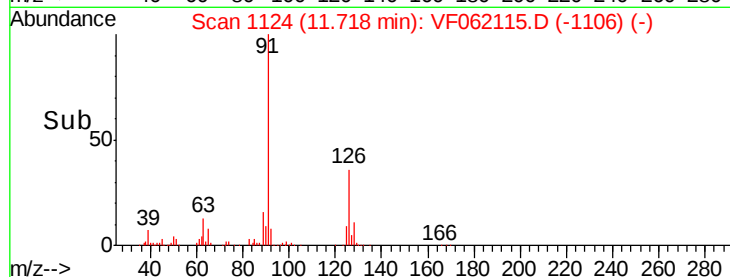
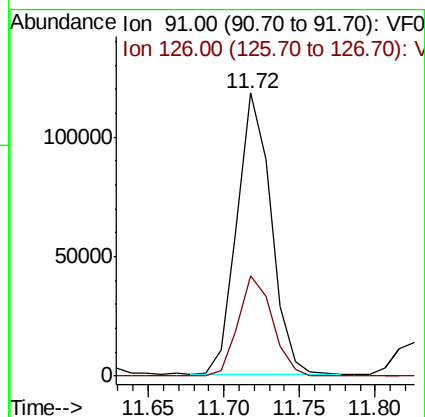
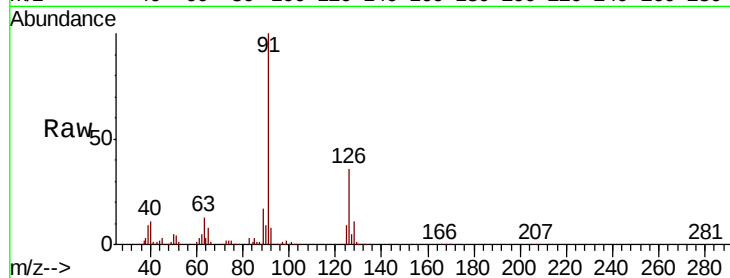
ClientSampleId :

Tot Ion: 91 Resp: 183600

Ion Ratio Lower Upper

91 100

126 35.7 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 21.828 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VF062115.D

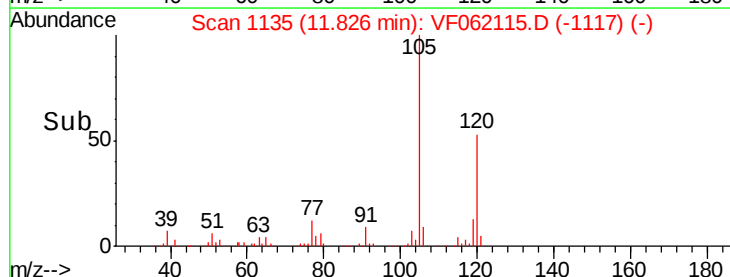
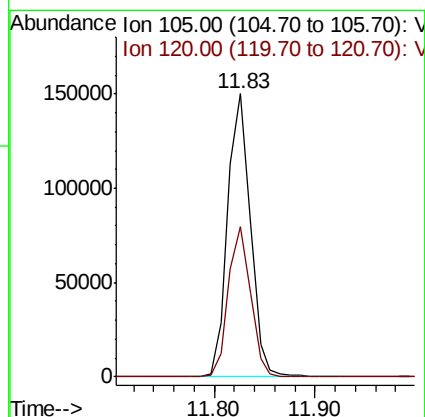
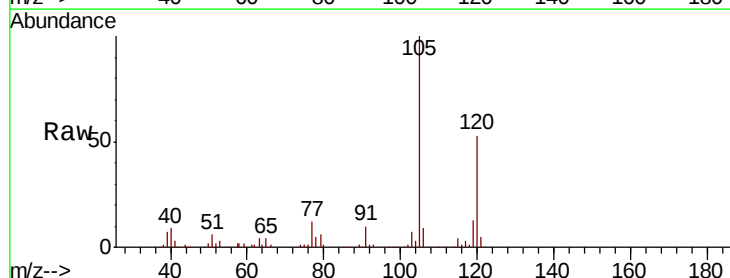
Acq: 23 Mar 2019 14:13

Tgt Ion:105 Resp: 236350

Ion Ratio Lower Upper

105 100

120 53.0 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 27.728 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

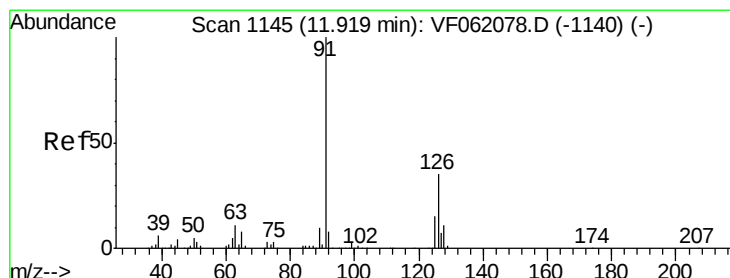
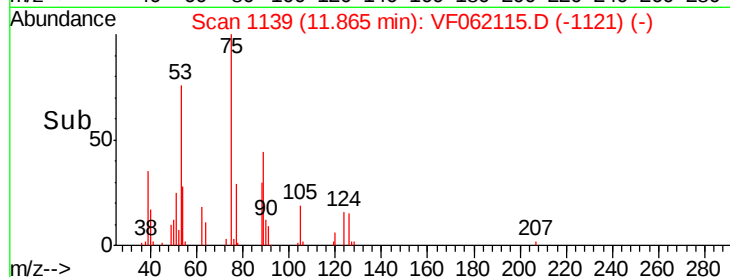
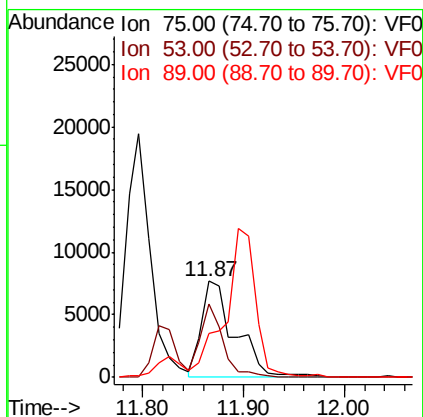
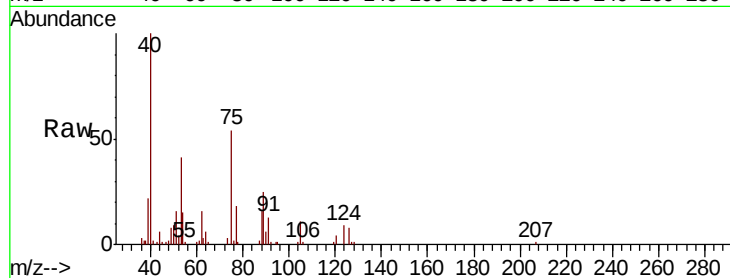
Tot Ion: 75 Resp: 17972

Ion Ratio Lower Upper

75 100

53 76.1 49.4 74.0#

89 46.4 40.6 60.8



#82

4-Chlorotoluene

Concen: 21.834 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF062115.D

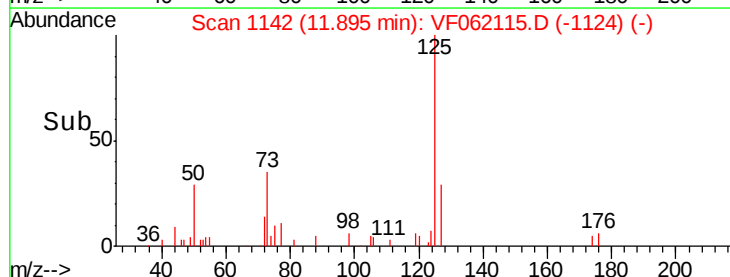
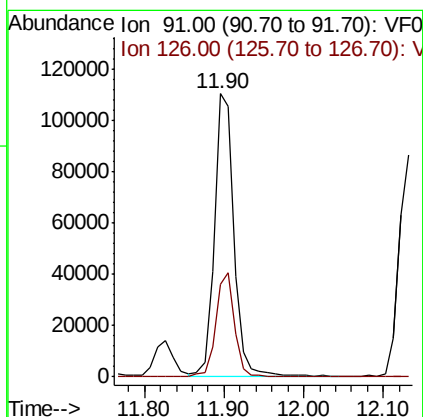
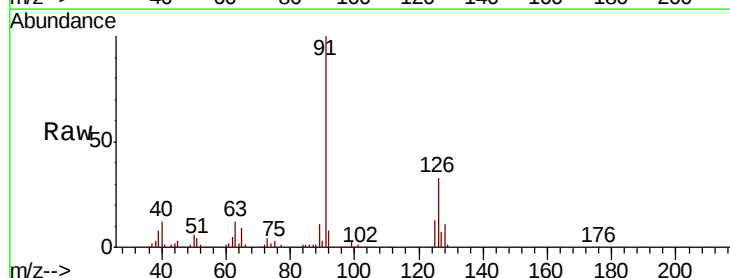
Acq: 23 Mar 2019 14:13

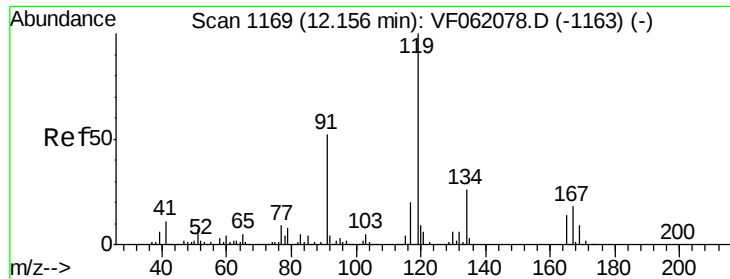
Tgt Ion: 91 Resp: 190202

Ion Ratio Lower Upper

91 100

126 32.7 17.2 51.6

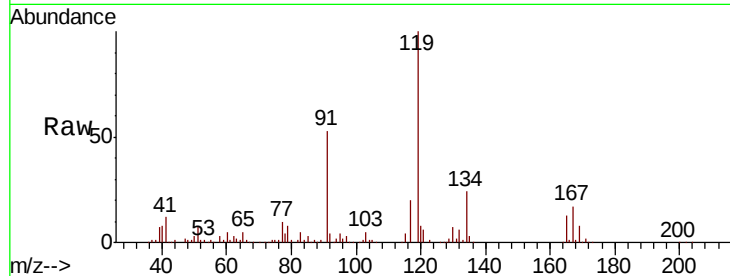




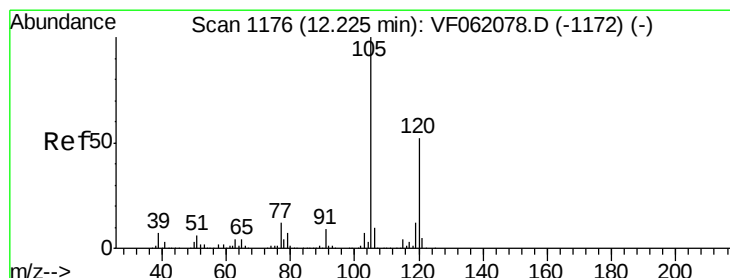
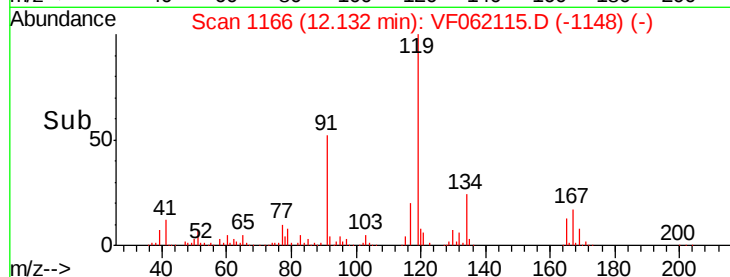
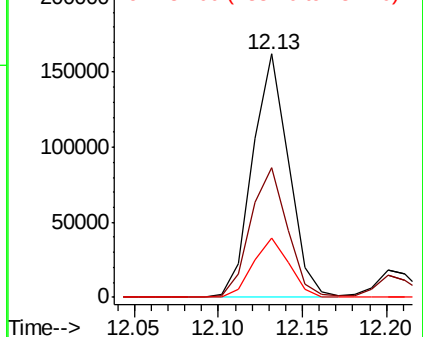
#83
tert-Butylbenzene
Concen: 21.339 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:119 Resp: 241872
Ion Ratio Lower Upper
119 100
91 53.3 26.1 78.2
134 24.1 12.8 38.4

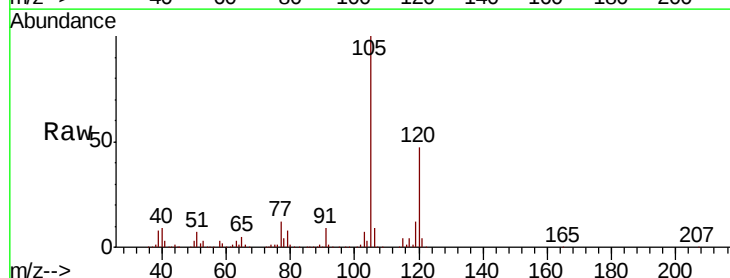


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

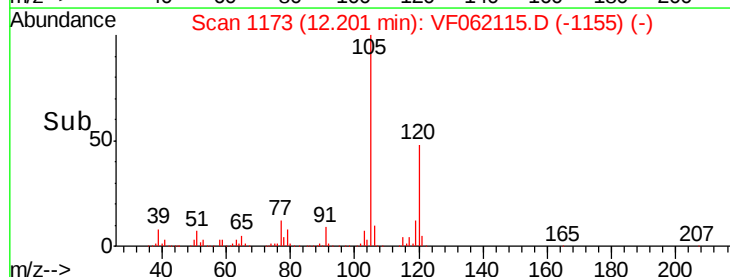
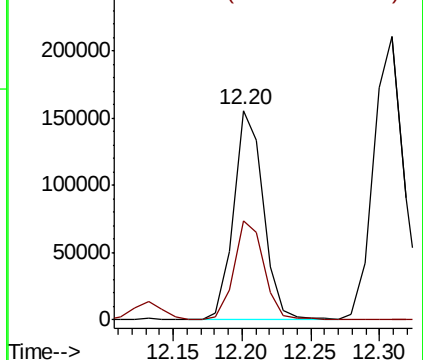


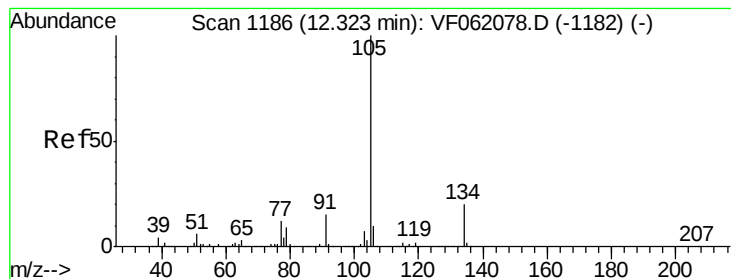
#84
1,2,4-Trimethylbenzene
Concen: 22.090 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:105 Resp: 234475
Ion Ratio Lower Upper
105 100
120 47.5 26.1 78.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.887 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

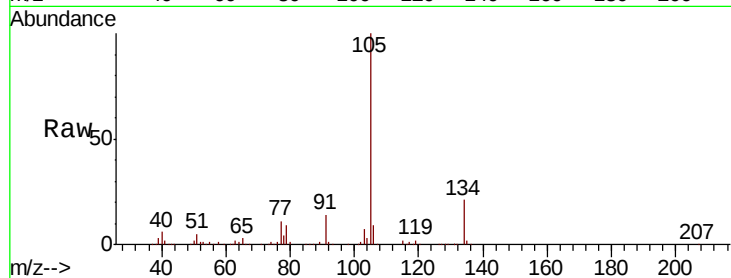
ClientSampleId :

Tot Ion:105 Resp: 320927

Ion Ratio Lower Upper

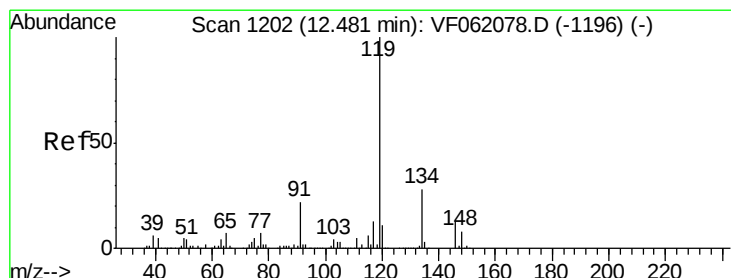
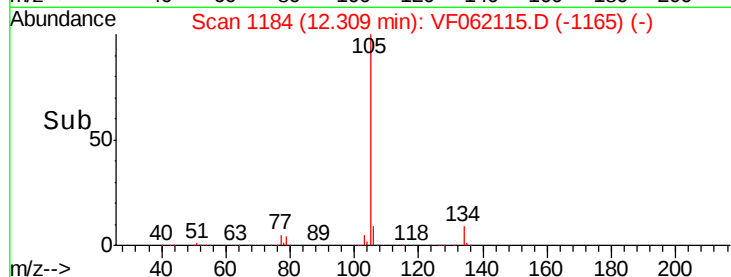
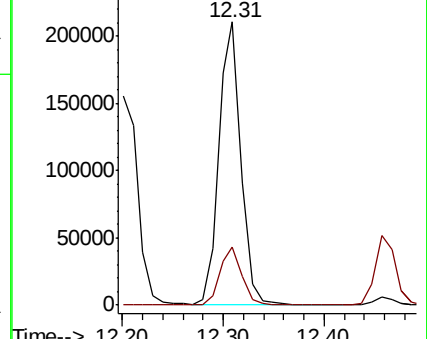
105 100

134 20.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.118 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

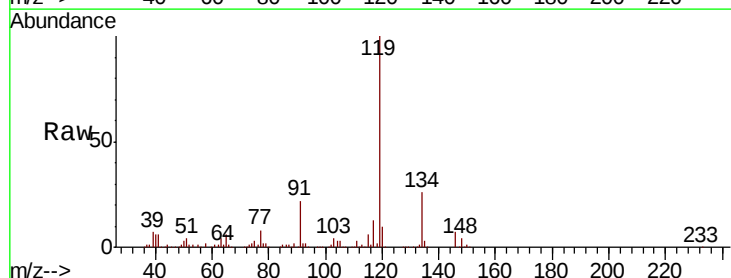
Tgt Ion:119 Resp: 280987

Ion Ratio Lower Upper

119 100

134 26.2 14.0 42.0

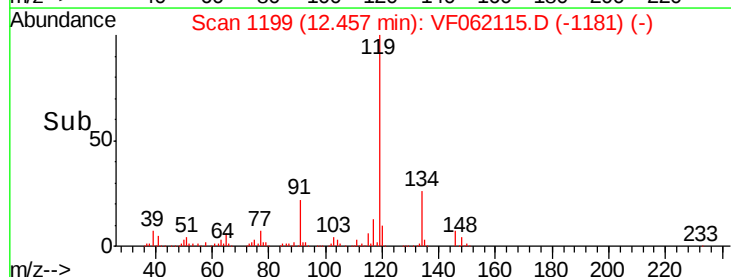
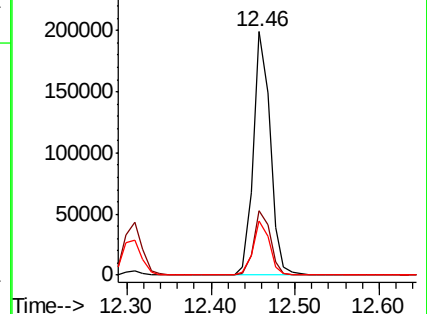
91 22.4 10.8 32.4

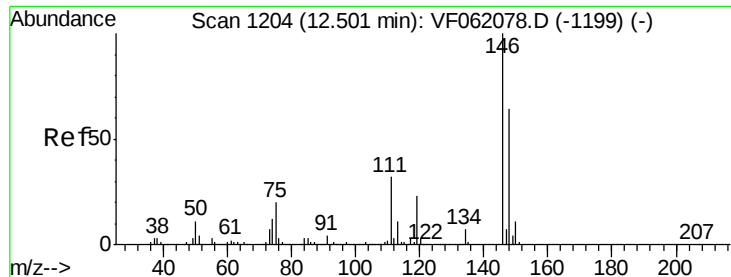


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.638 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

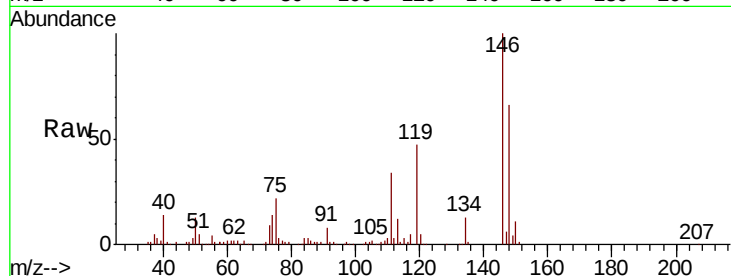
Tot Ion:146 Resp: 129291

Ion Ratio Lower Upper

146 100

111 34.5 16.1 48.3

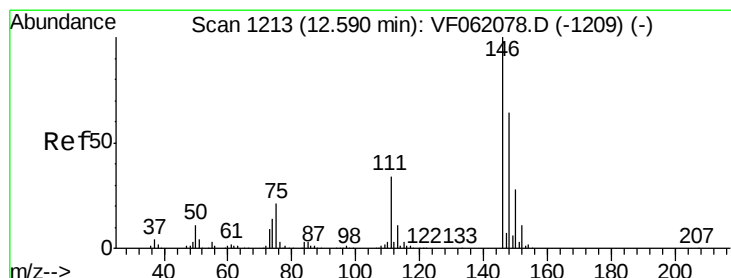
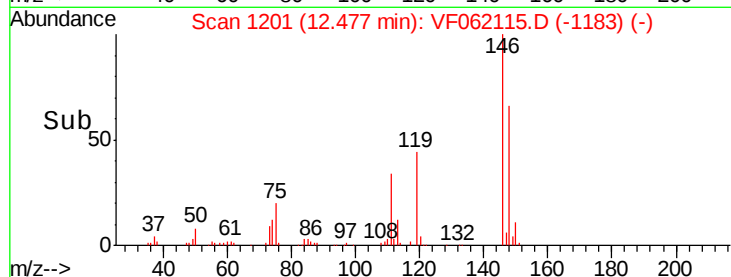
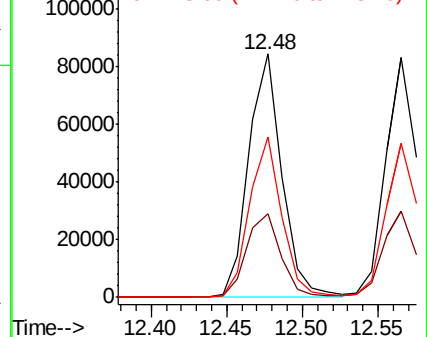
148 65.8 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.575 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

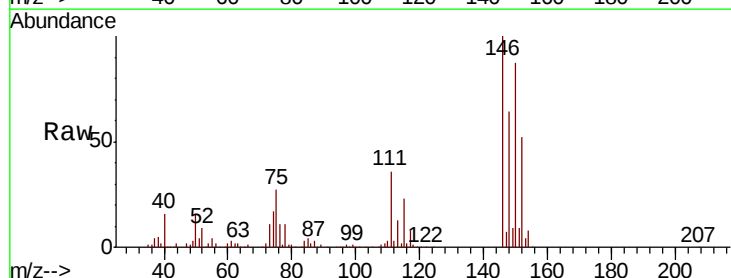
Tgt Ion:146 Resp: 125792

Ion Ratio Lower Upper

146 100

111 36.3 16.9 50.6

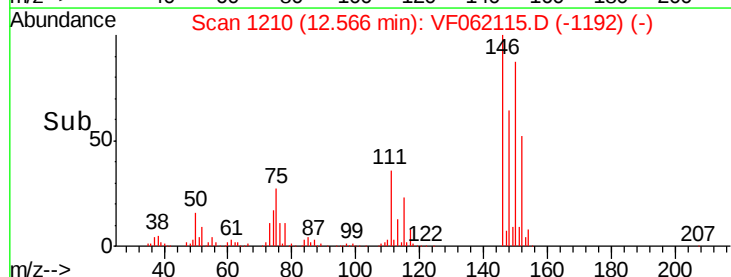
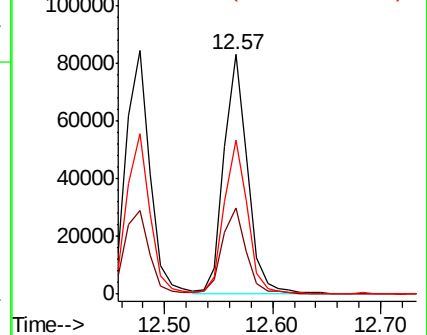
148 64.4 31.9 95.7

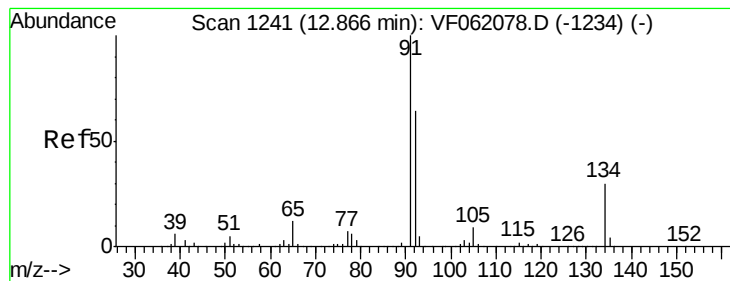


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.458 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

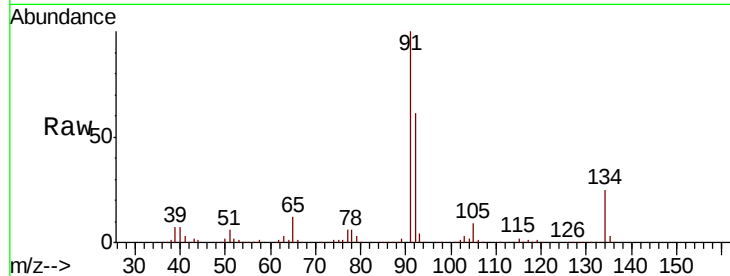
Tot Ion: 91 Resp: 272192

Ion Ratio Lower Upper

91 100

92 61.1 31.9 95.5

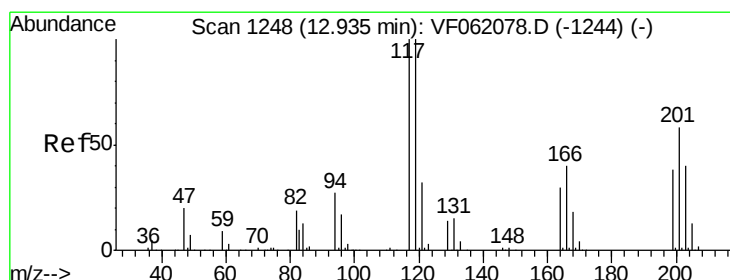
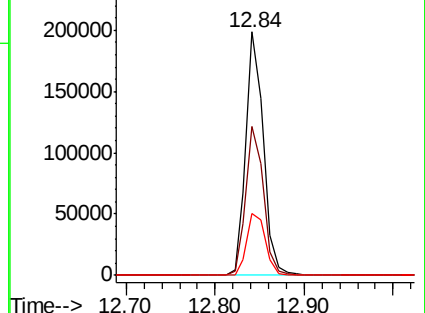
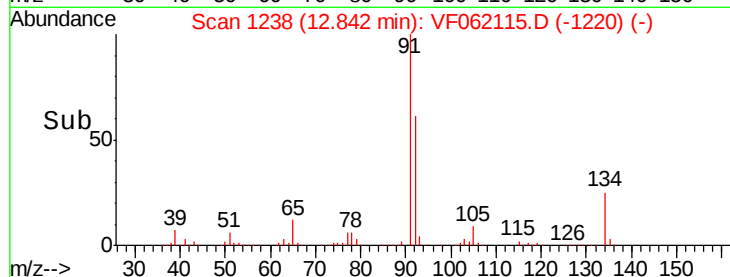
134 25.5 14.9 44.9



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: 21.857 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF062115.D

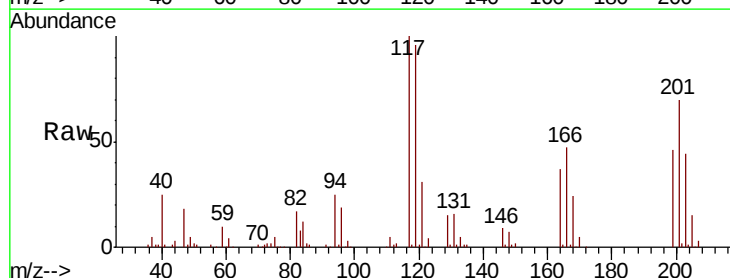
Acq: 23 Mar 2019 14:13

Tgt Ion: 117 Resp: 66117

Ion Ratio Lower Upper

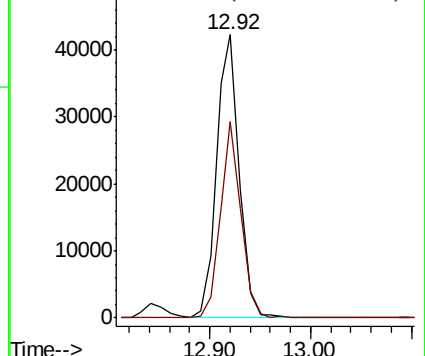
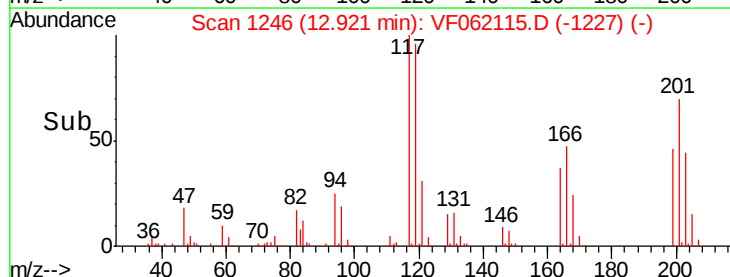
117 100

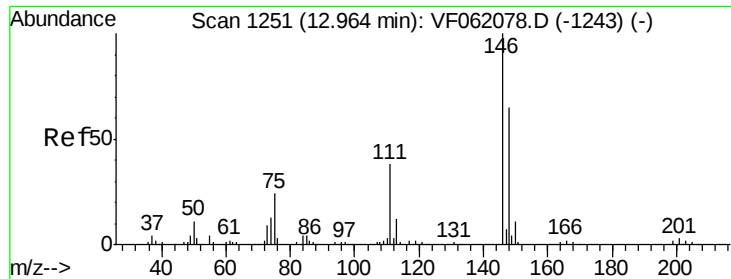
201 69.5 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.283 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

Instrument :

MSVOA_F

ClientSampleId :

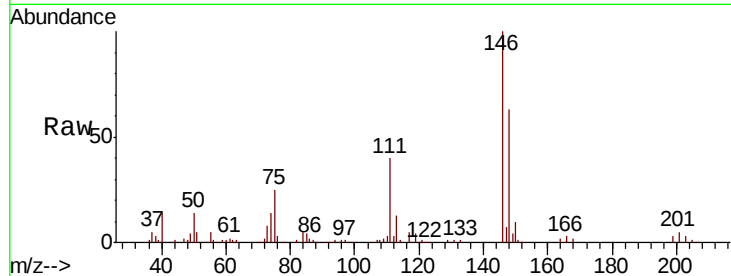
Tot Ion:146 Resp: 119409

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.3

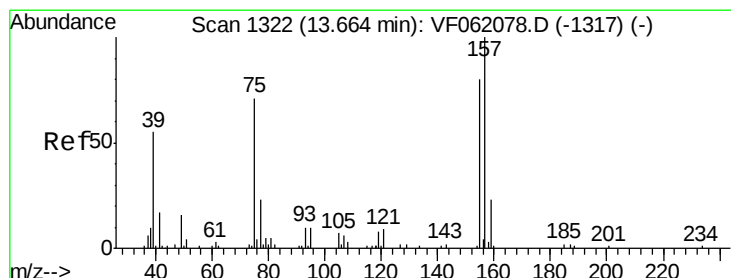
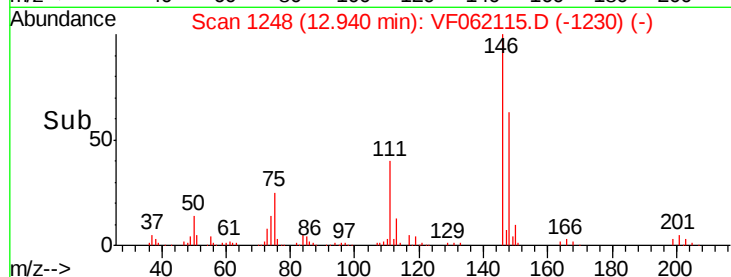
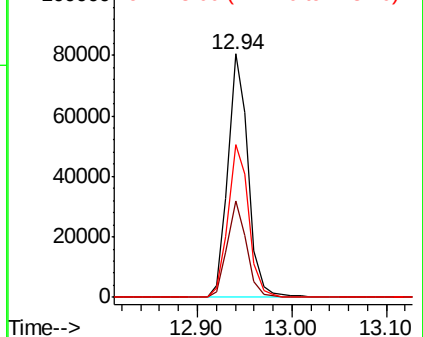
148 62.6 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.253 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VF062115.D

Acq: 23 Mar 2019 14:13

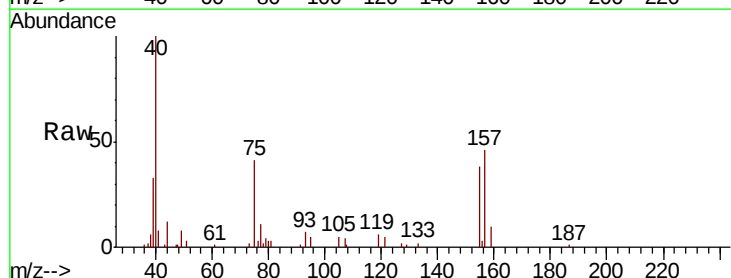
Tgt Ion: 75 Resp: 6936

Ion Ratio Lower Upper

75 100

155 93.6 56.1 168.4

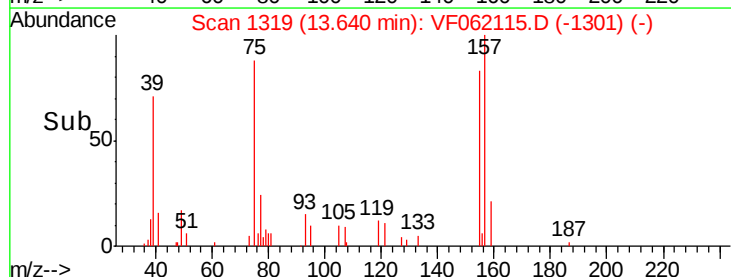
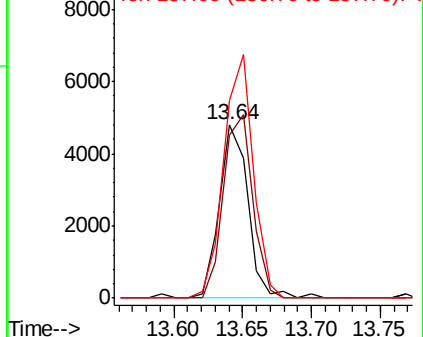
157 113.4 70.4 211.2

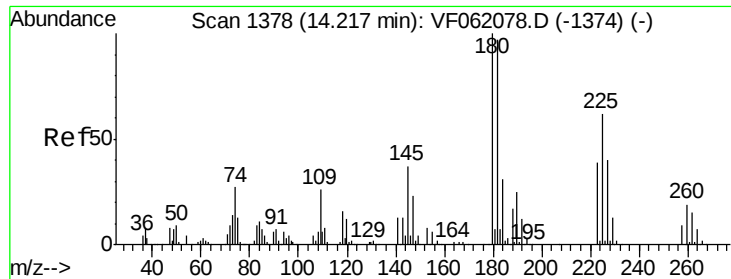


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

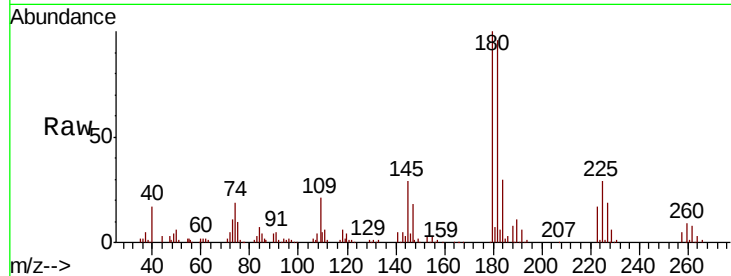




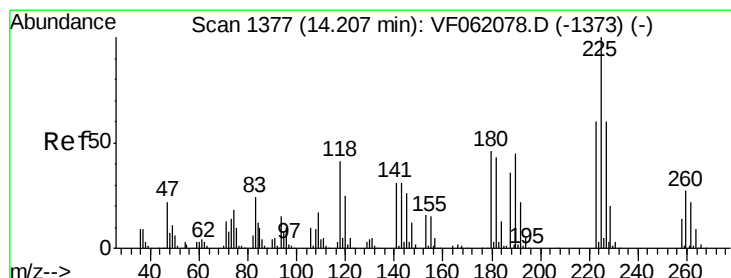
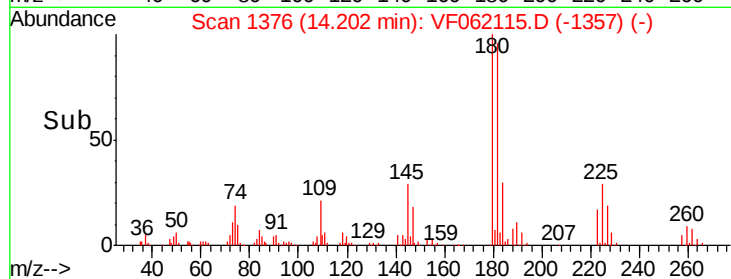
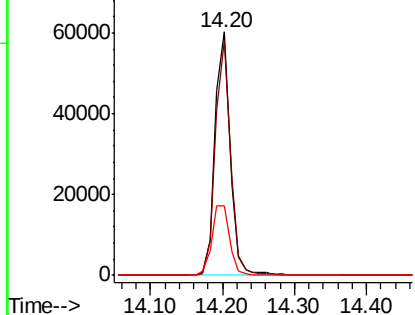
#93
 1,2,4-Trichlorobenzene
 Concen: 22.268 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 87075
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.7 146.1
 145 28.7 18.3 54.8

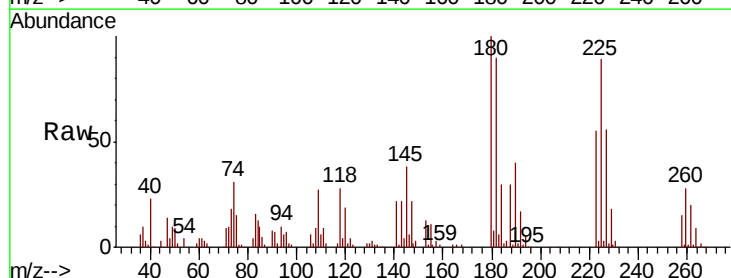


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

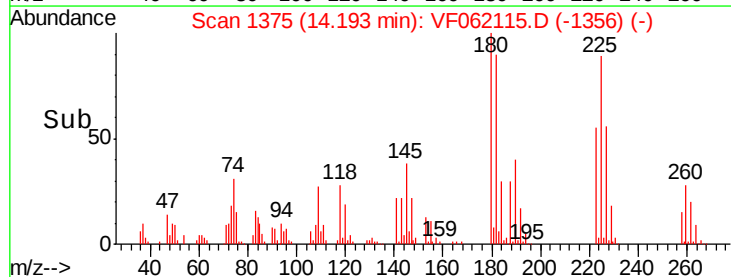
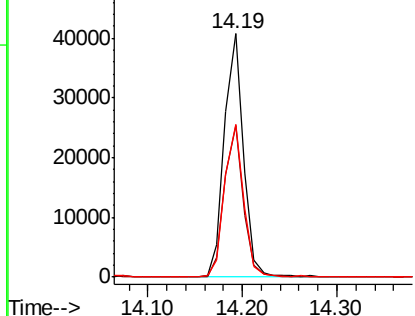


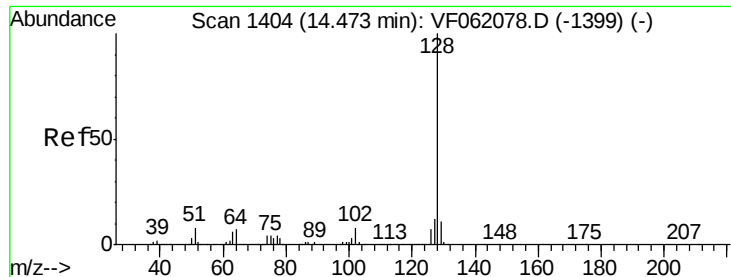
#94
 Hexachlorobutadiene
 Concen: 21.932 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF062115.D
 Acq: 23 Mar 2019 14:13

Tgt Ion:225 Resp: 57023
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.0 90.0
 227 62.9 30.2 90.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

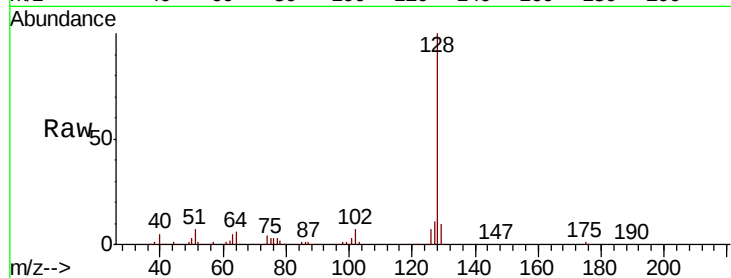




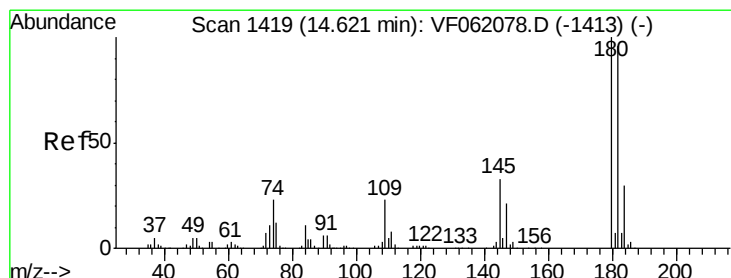
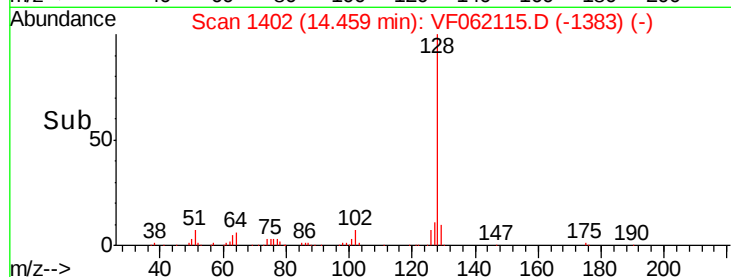
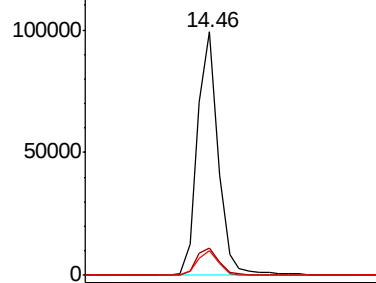
#95
Naphthalene
Concen: 20.856 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 142917
Ion Ratio Lower Upper
128 100
127 11.4 9.5 14.3
129 10.4 8.7 13.1

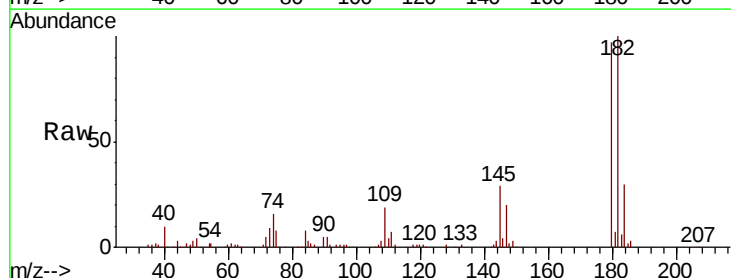


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.787 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062115.D
Acq: 23 Mar 2019 14:13

Tgt Ion:180 Resp: 76086
Ion Ratio Lower Upper
180 100
182 103.1 47.9 143.7
145 30.1 16.6 49.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

