

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062162.D
 Acq On : 4 Apr 2019 17:35
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Apr 05 05:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	221841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	358286	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	290927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	145588	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	193532	105.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.80%	
35) Dibromofluoromethane	4.08	113	196816	79.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.32%	
50) Toluene-d8	7.52	98	565666	77.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.56%	
62) 4-Bromofluorobenzene	11.40	95	223804	78.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	211429	73.180	ug/l	99
3) Chloromethane	1.08	50	185657	63.594	ug/l #	88
4) Vinyl Chloride	1.13	62	177901	65.418	ug/l	96
5) Bromomethane	1.32	94	138387	69.731	ug/l	92
6) Chloroethane	1.39	64	91117	65.341	ug/l	91
7) Trichlorofluoromethane	1.46	101	271659	79.975	ug/l	90
8) Diethyl Ether	1.62	74	59014	78.260	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	166857	73.952	ug/l #	84
10) Methyl Iodide	1.89	142	287118m	67.170	ug/l	
11) Tert butyl alcohol	2.55	59	41684	444.207	ug/l #	94
12) 1,1-Dichloroethene	1.79	96	149950	70.165	ug/l	88
13) Acrolein	1.98	56	40641	367.021	ug/l	92
14) Allyl chloride	2.08	41	194575	81.505	ug/l	94
15) Acrylonitrile	2.92	53	115389	361.006	ug/l	95
16) Acetone	2.22	43	190222	507.147	ug/l	97
17) Carbon Disulfide	1.82	76	508297m	77.755	ug/l	
18) Methyl Acetate	2.33	43	65139	75.447	ug/l #	90
19) Methyl tert-butyl Ether	2.41	73	275023	78.802	ug/l	98
20) Methylene Chloride	2.16	84	146480m	60.451	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	133723	64.488	ug/l	92
22) Diisopropyl ether	2.78	45	483704	78.909	ug/l	97
23) Vinyl Acetate	3.16	43	1172603	458.027	ug/l	98
24) 1,1-Dichloroethane	2.85	63	282621	76.972	ug/l	98
25) 2-Butanone	4.30	43	325998	439.584	ug/l	93
26) 2,2-Dichloropropane	3.57	77	137055	88.090	ug/l	87
27) cis-1,2-Dichloroethene	3.45	96	177322	64.666	ug/l	94
28) Bromochloromethane	3.69	49	127187	82.519	ug/l #	96
29) Tetrahydrofuran	4.04	42	130091	404.859	ug/l	96
30) Chloroform	3.83	83	336834	85.014	ug/l #	84
31) Cyclohexane	3.65	56	262779m	69.974	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	212743	83.920	ug/l	92
36) 1,1-Dichloropropene	4.25	75	281591	80.691	ug/l	98
37) Ethyl Acetate	4.09	43	127553	84.163	ug/l	89
38) Carbon Tetrachloride	3.96	117	206424	85.003	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	282667	72.915	ug/l	96
40) Benzene	4.60	78	597432	66.167	ug/l	98
41) Methacrylonitrile	4.72	41	67481	83.764	ug/l	92
42) 1,2-Dichloroethane	4.92	62	233710	101.004	ug/l	97
43) Isopropyl Acetate	6.93	43	137007	75.944	ug/l	95
44) Trichloroethene	5.48	130	199322	72.003	ug/l	91
45) 1,2-Dichloropropane	6.21	63	144291	66.494	ug/l	96
46) Dibromomethane	6.06	93	101965	75.930	ug/l	96
47) Bromodichloromethane	6.35	83	264352	86.079	ug/l	96
48) Methyl methacrylate	6.69	41	95162	87.603	ug/l	94
49) 1,4-Dioxane	6.68	88	14148	1609.529	ug/l #	79
51) 4-Methyl-2-Pentanone	8.23	43	523971	423.976	ug/l	99
52) Toluene	7.59	92	389453	73.136	ug/l	91
53) t-1,3-Dichloropropene	8.25	75	209037	85.985	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	273567	81.312	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	98335	65.764	ug/l	90
56) Ethyl methacrylate	8.60	69	142293	78.218	ug/l	98
57) 1,3-Dichloropropane	8.82	76	189560	76.426	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	110613	404.904	ug/l #	89
59) 2-Hexanone	9.46	43	369019	410.188	ug/l	100
60) Dibromochloromethane	8.69	129	164878	78.265	ug/l	98
61) 1,2-Dibromoethane	8.96	107	116124	72.873	ug/l #	74
64) Tetrachloroethene	8.13	164	161318	71.995	ug/l	95
65) Chlorobenzene	9.77	112	416530	75.832	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	179617	80.131	ug/l	94
67) Ethyl Benzene	9.88	91	782789	80.113	ug/l	96
68) m/p-Xylenes	10.11	106	553320	152.185	ug/l	97
69) o-Xylene	10.70	106	288302	77.412	ug/l	91
70) Styrene	10.76	104	423910	73.730	ug/l	97
71) Bromoform	10.76	173	93848	81.541	ug/l #	92
73) Isopropylbenzene	11.10	105	873362	83.910	ug/l	99
74) N-amyl acetate	11.36	43	236380	93.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	135020	77.186	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	106111	83.342	ug/l	90
77) Bromobenzene	11.47	156	178897	71.327	ug/l	96
78) n-propylbenzene	11.57	91	955811	78.119	ug/l	94
79) 2-Chlorotoluene	11.70	91	572173	84.369	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	715400	82.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	43921m	84.083	ug/l	
82) 4-Chlorotoluene	11.88	91	550098	78.141	ug/l	97
83) tert-Butylbenzene	12.11	119	720535	79.834	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	710939	83.532	ug/l	97
85) sec-Butylbenzene	12.29	105	928971	79.896	ug/l	98
86) p-Isopropyltoluene	12.44	119	810695	79.115	ug/l	94
87) 1,3-Dichlorobenzene	12.46	146	339311	71.689	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	342757	75.161	ug/l	97
89) n-Butylbenzene	12.82	91	767808	78.992	ug/l	95
90) Hexachloroethane	12.90	117	193399	80.841	ug/l	94
91) 1,2-Dichlorobenzene	12.92	146	315502	71.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	28281	101.623	ug/l	60

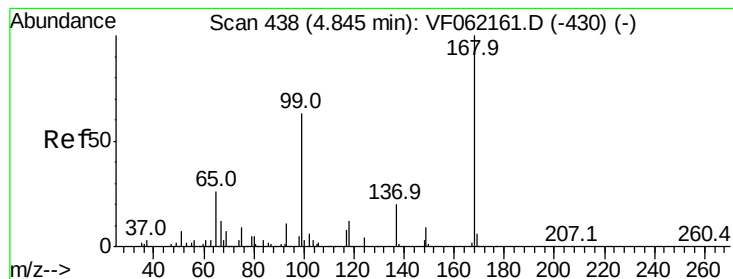
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	232288	75.217	ug/l	94
94) Hexachlorobutadiene	14.17	225	153648	75.320	ug/l	93
95) Naphthalene	14.44	128	381432	72.190	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	214945	75.906	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 438

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

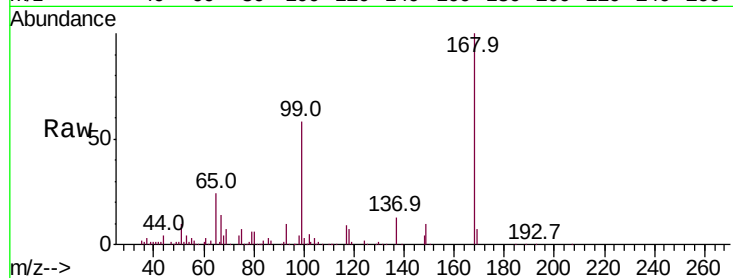
VSTDIC075

Tot Ion:168 Resp: 221841

Ion Ratio Lower Upper

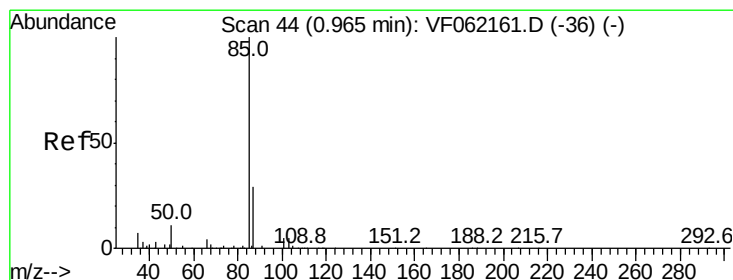
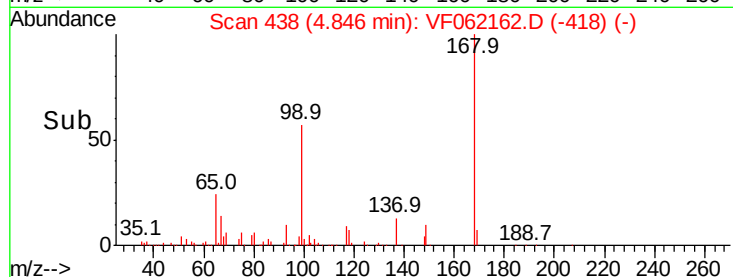
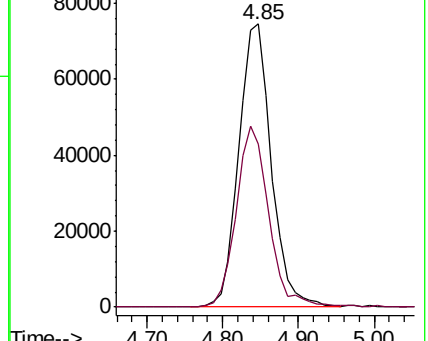
168 100

99 57.5 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 73.180 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF062162.D

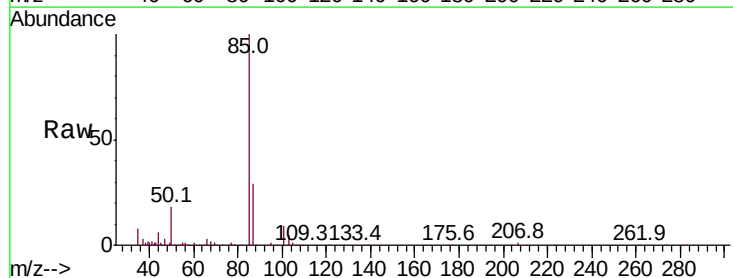
Acq: 4 Apr 2019 17:35

Tgt Ion: 85 Resp: 211429

Ion Ratio Lower Upper

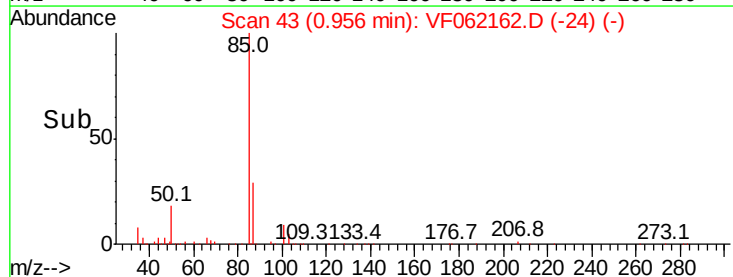
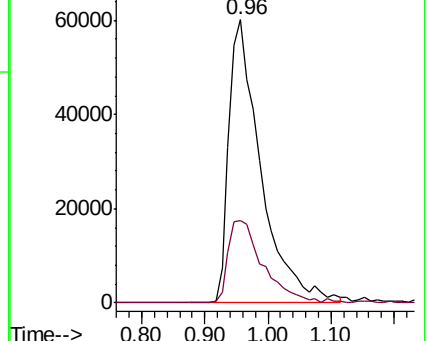
85 100

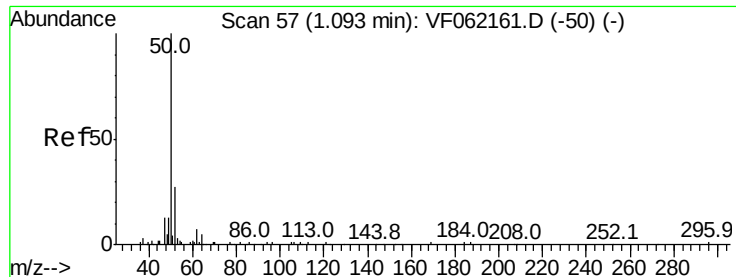
87 29.0 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 63.594 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

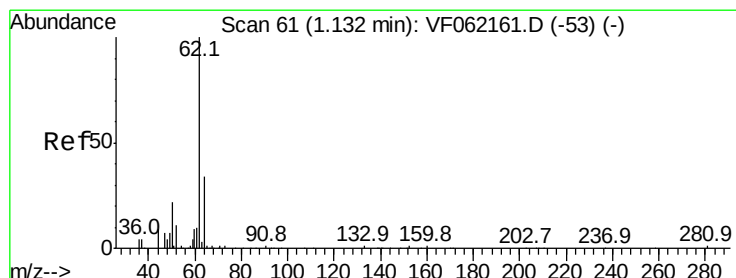
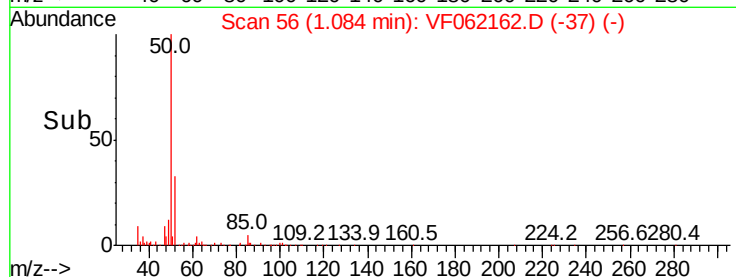
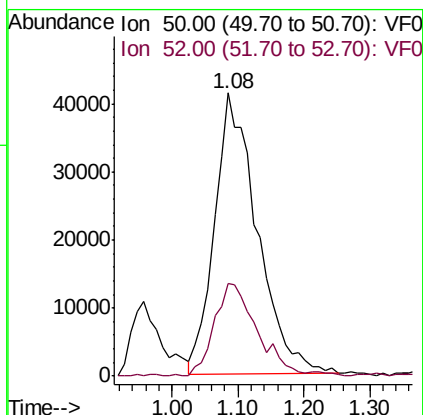
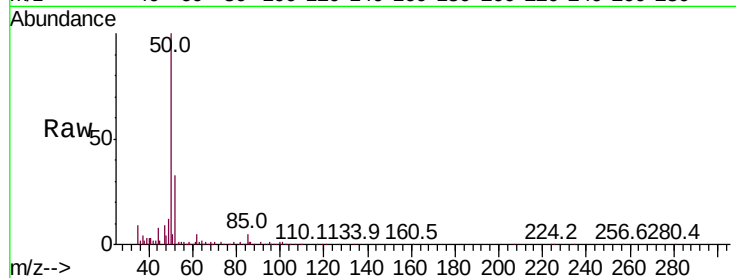
VSTDIC075

Tot Ion: 50 Resp: 185657

Ion Ratio Lower Upper

50 100

52 32.8 21.4 32.0#



#4

Vinyl Chloride

Concen: 65.418 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062162.D

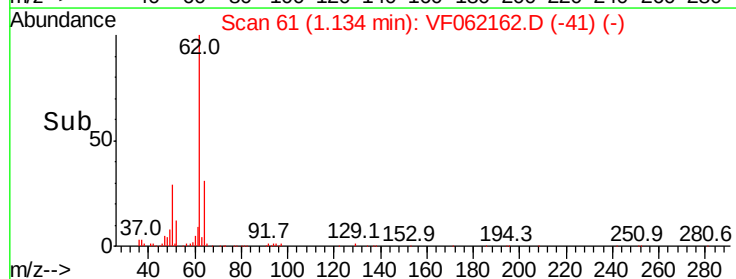
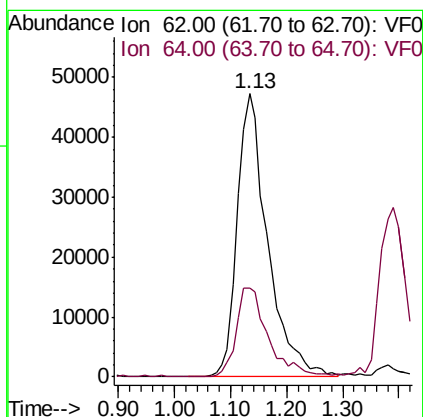
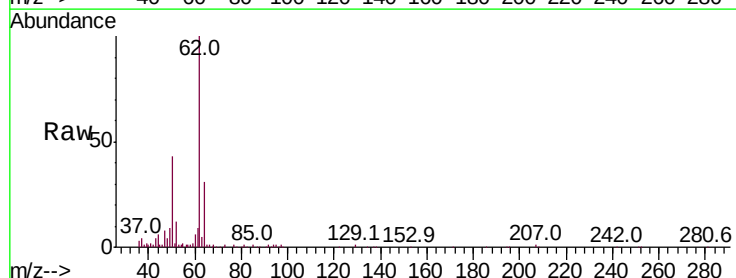
Acq: 4 Apr 2019 17:35

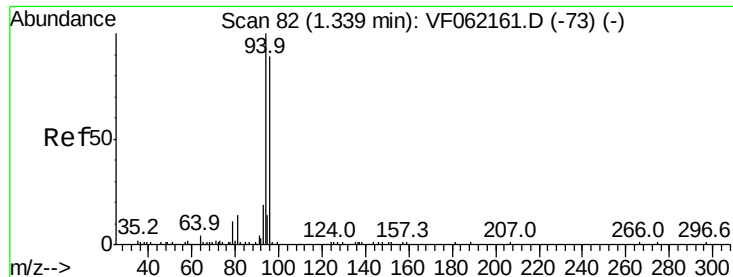
Tgt Ion: 62 Resp: 177901

Ion Ratio Lower Upper

62 100

64 31.4 27.0 40.4





#5

Bromomethane

Concen: 69.731 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.02 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

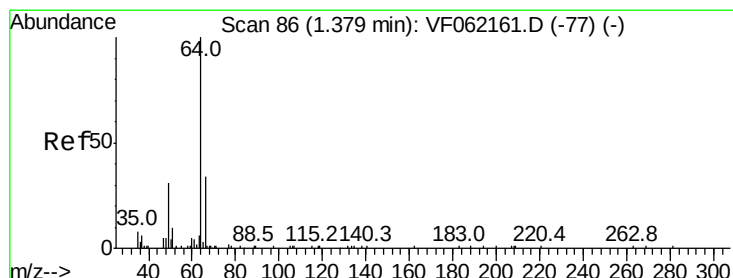
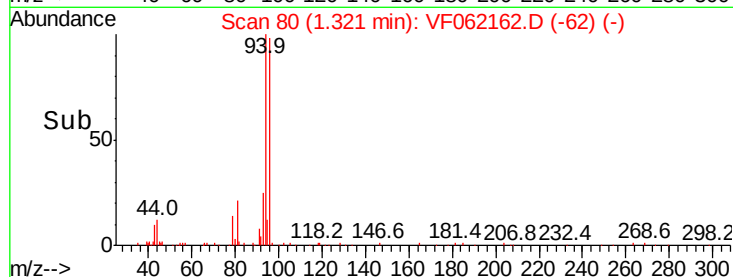
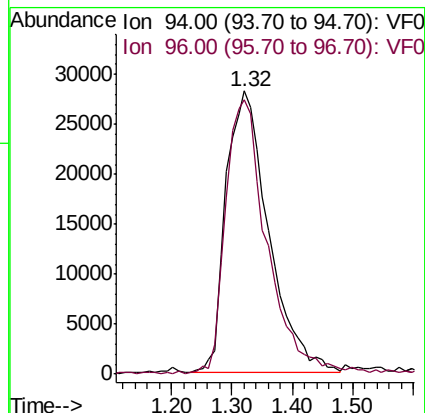
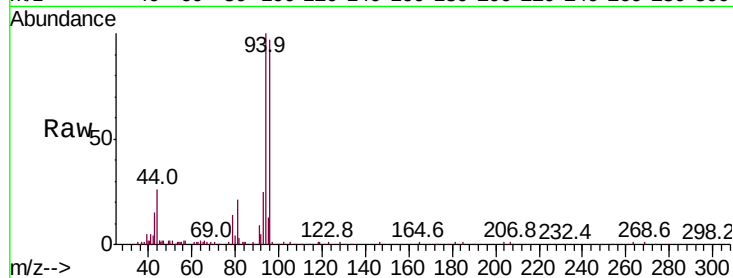
VSTDIC075

Tot Ion: 94 Resp: 138387

Ion Ratio Lower Upper

94 100

96 96.8 71.3 106.9



#6

Chloroethane

Concen: 65.341 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062162.D

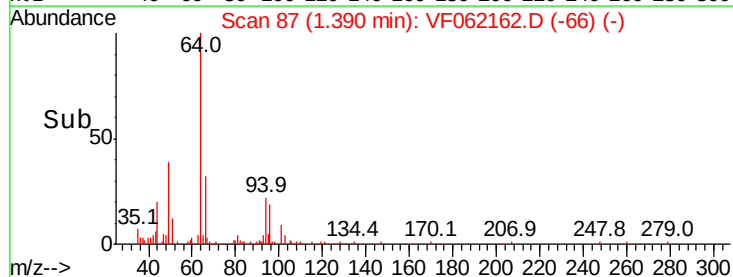
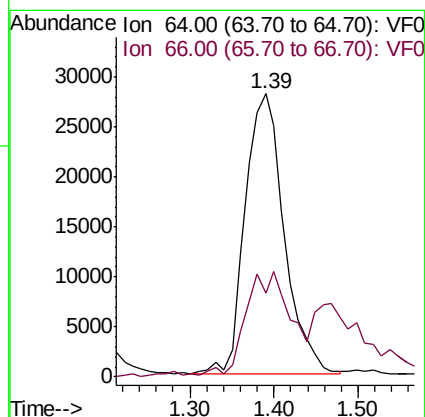
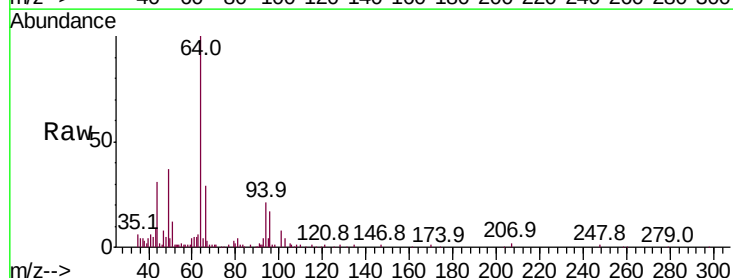
Acq: 4 Apr 2019 17:35

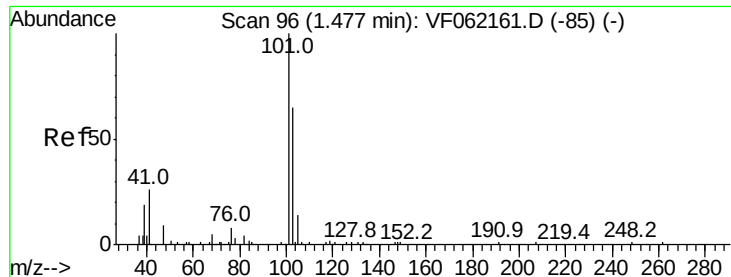
Tgt Ion: 64 Resp: 91117

Ion Ratio Lower Upper

64 100

66 29.4 27.8 41.6





#7

Trichlorofluoromethane

Concen: 79.975 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.02 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

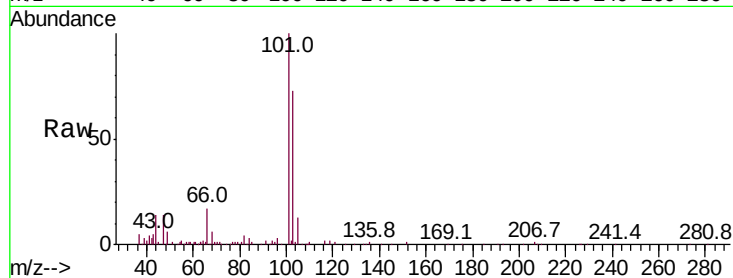
VSTDIC075

Tot Ion:101 Resp: 271659

Ion Ratio Lower Upper

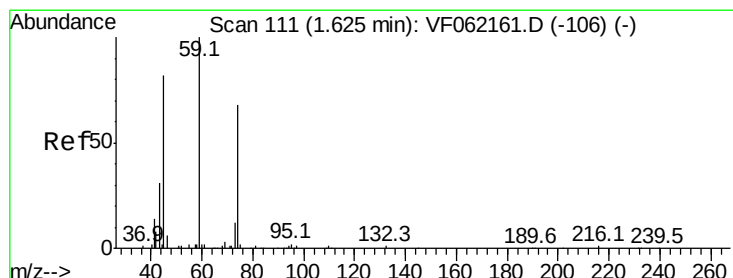
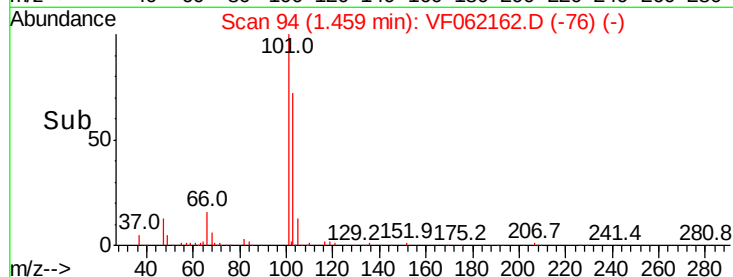
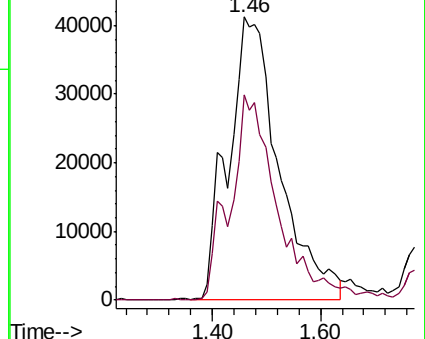
101 100

103 72.8 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 78.260 ug/l

RT: 1.62 min Scan# 110

Delta R.T. -0.01 min

Lab File: VF062162.D

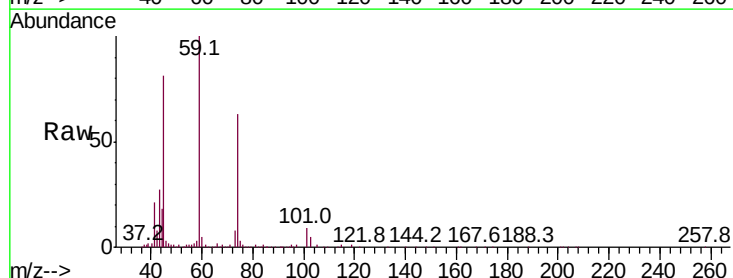
Acq: 4 Apr 2019 17:35

Tgt Ion: 74 Resp: 59014

Ion Ratio Lower Upper

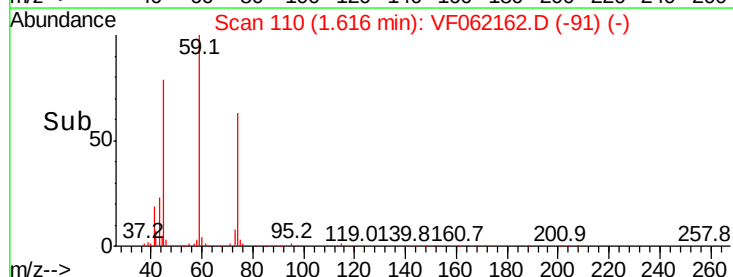
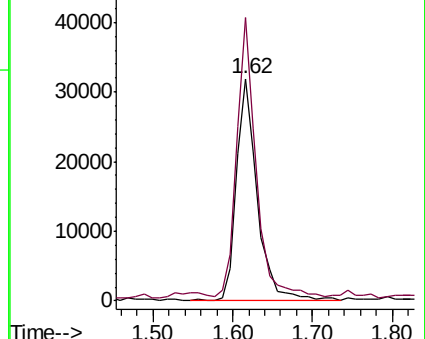
74 100

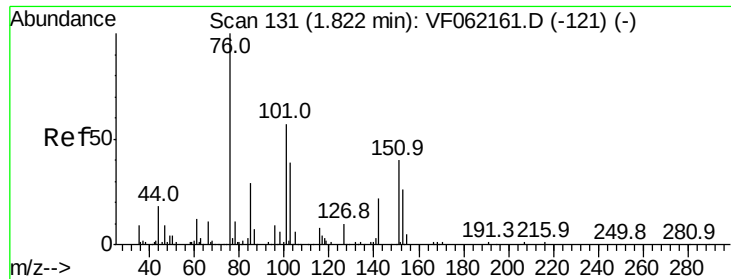
45 127.2 61.9 185.6



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: 73.952 ug/l

RT: 1.82 min Scan# 131

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

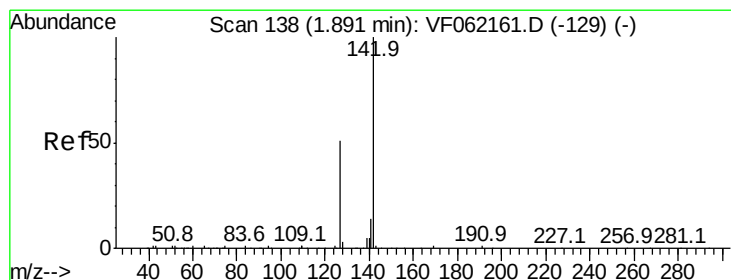
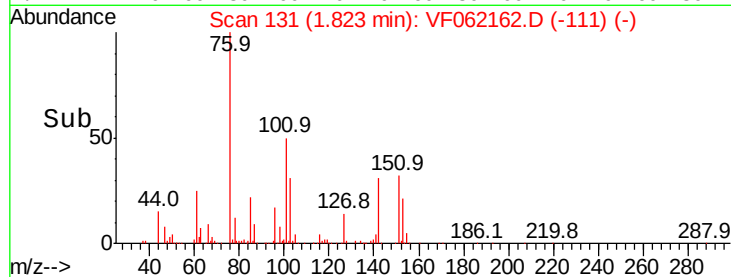
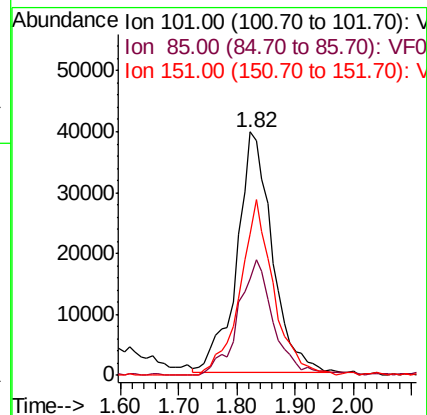
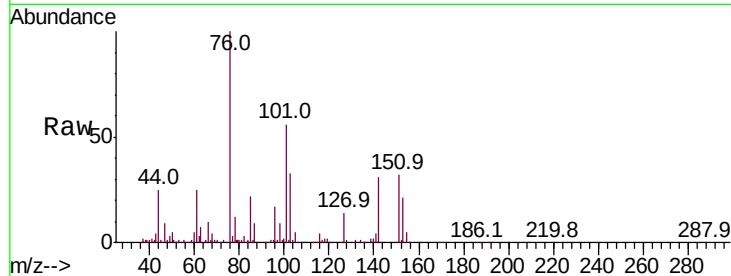
Tot Ion:101 Resp: 166857

Ion Ratio Lower Upper

101 100

85 39.8 41.0 61.6#

151 57.9 56.5 84.7



#10

Methyl Iodide

Concen: 67.170 ug/l m

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

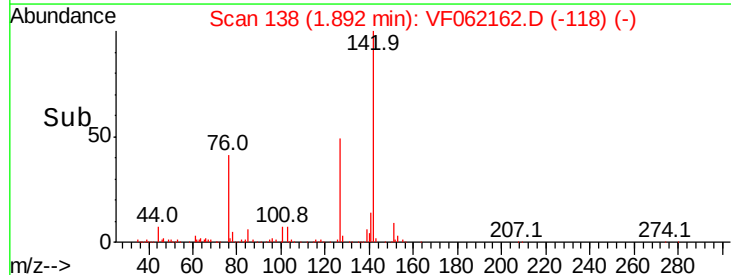
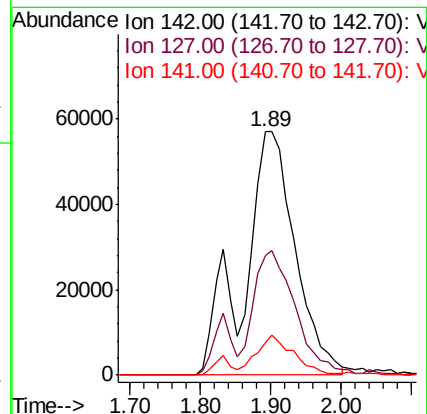
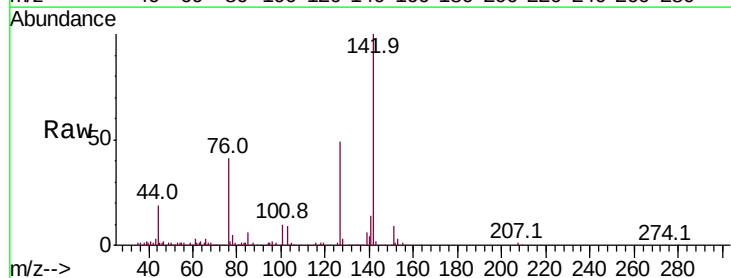
Tgt Ion:142 Resp: 287118

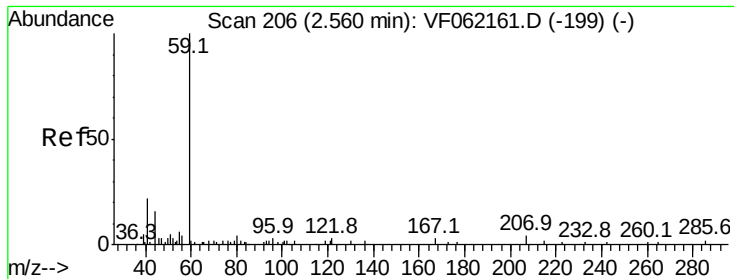
Ion Ratio Lower Upper

142 100

127 49.0 40.7 61.1

141 13.6 11.1 16.7



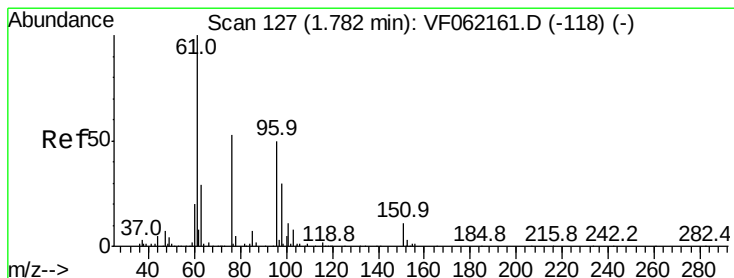
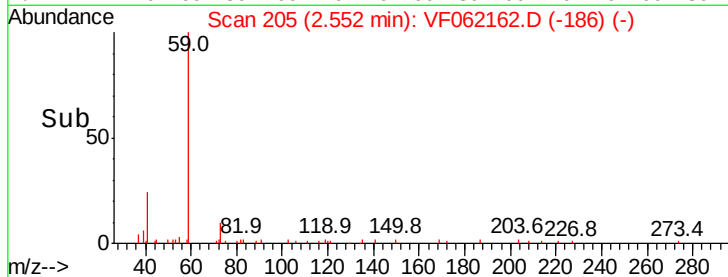
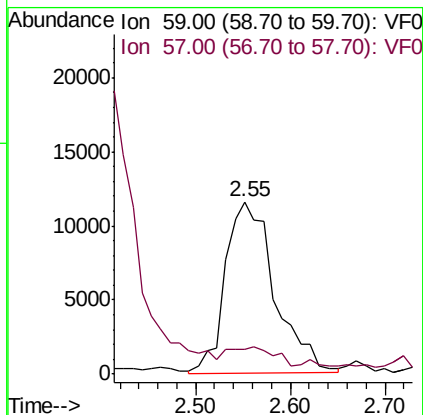
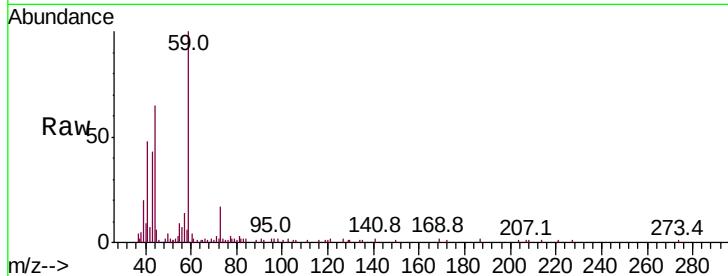


#11

Tert butyl alcohol
 Concen: 444.207 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

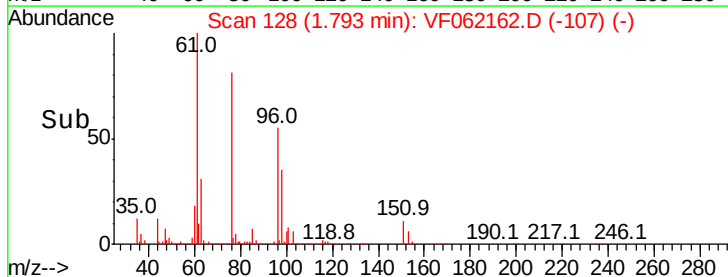
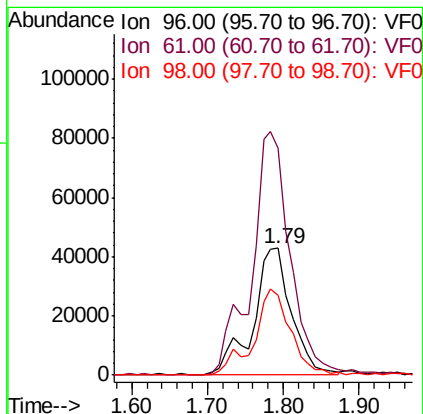
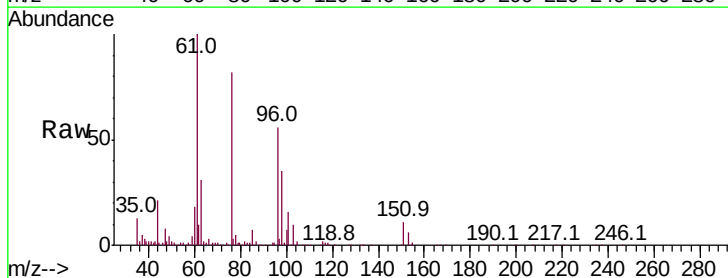
Tot Ion: 59 Resp: 41684
 Ion Ratio Lower Upper
 59 100
 57 14.4 9.5 14.3#

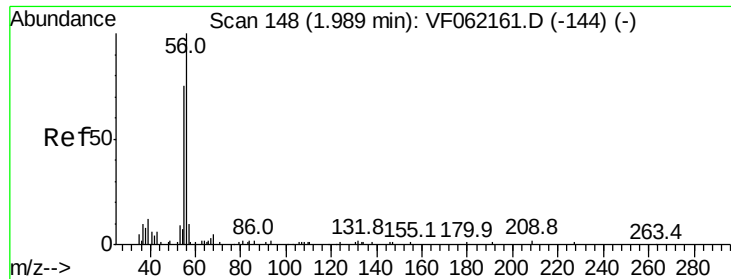


#12

1,1-Dichloroethene
 Concen: 70.165 ug/l
 RT: 1.79 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion: 96 Resp: 149950
 Ion Ratio Lower Upper
 96 100
 61 178.9 161.8 242.6
 98 63.0 49.2 73.8

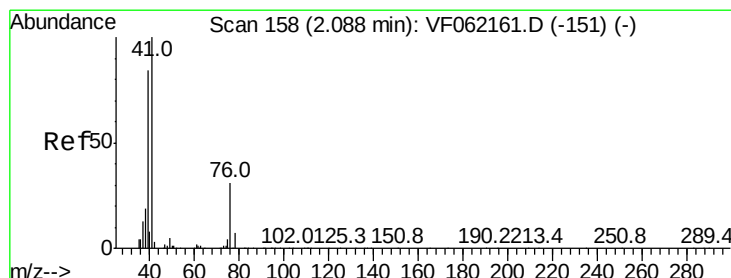
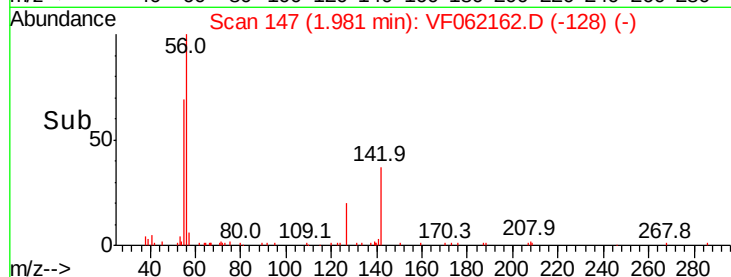
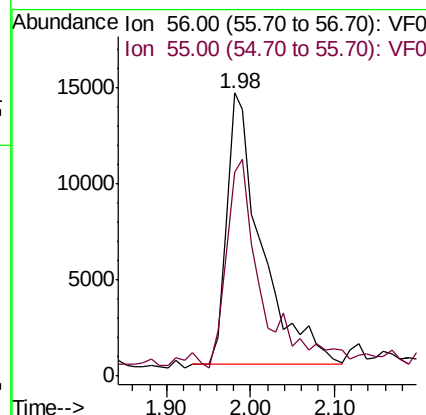
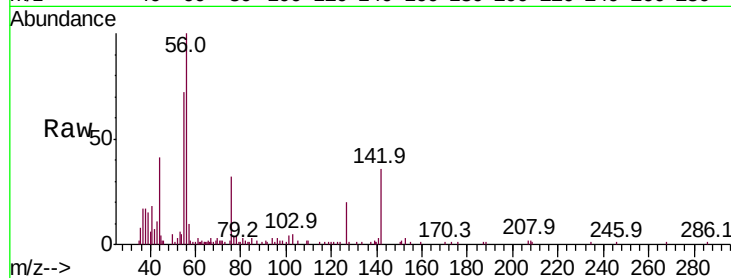




#13
Acrolein
Concen: 367.021 ug/l
RT: 1.98 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

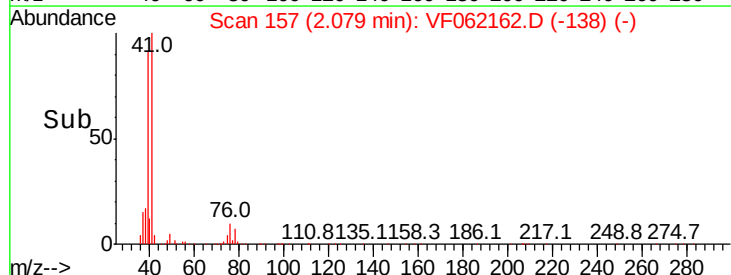
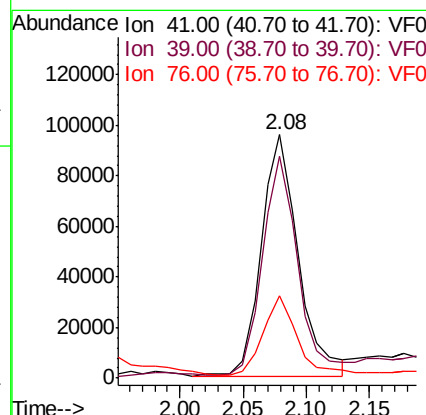
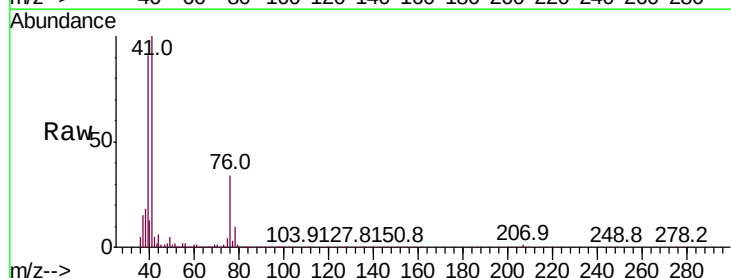
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

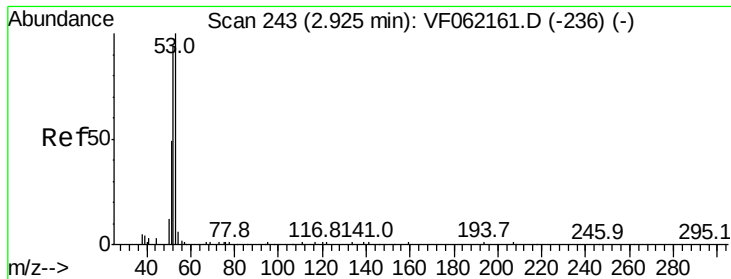
Tot Ion: 56 Resp: 40641
Ion Ratio Lower Upper
56 100
55 72.2 63.5 95.3



#14
Allyl chloride
Concen: 81.505 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 41 Resp: 194575
Ion Ratio Lower Upper
41 100
39 91.0 67.6 101.4
76 33.9 25.7 38.5

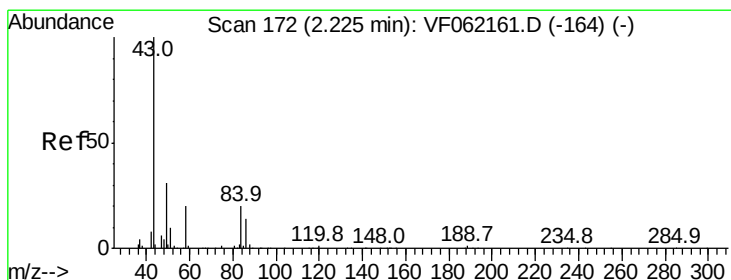
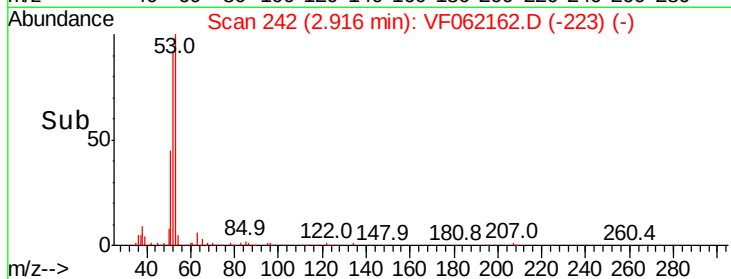
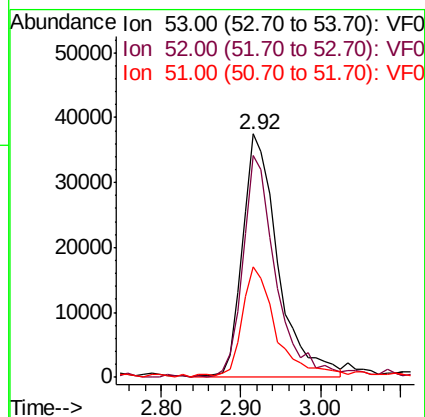
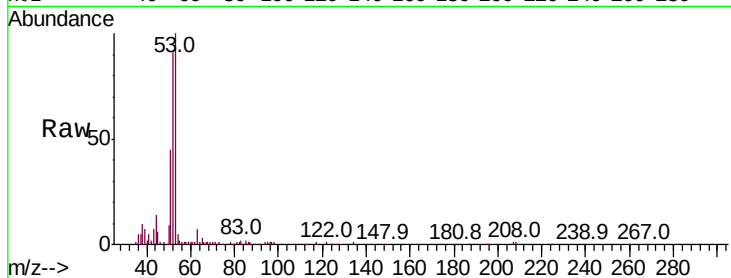




#15
 Acrylonitrile
 Concen: 361.006 ug/l
 RT: 2.92 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

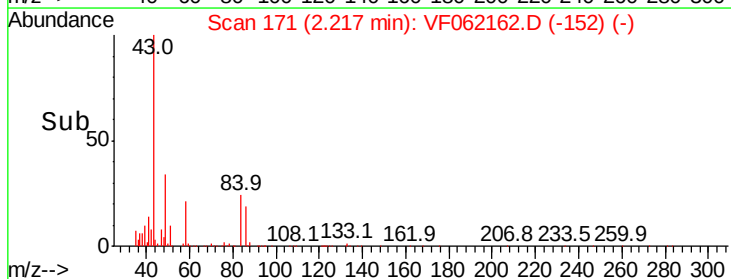
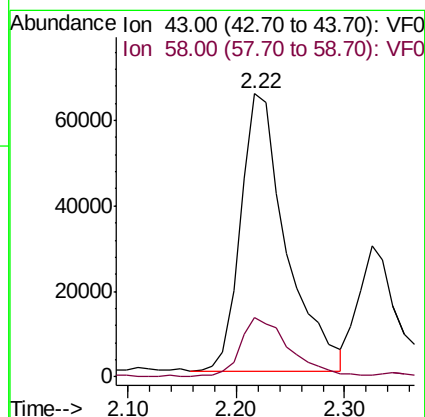
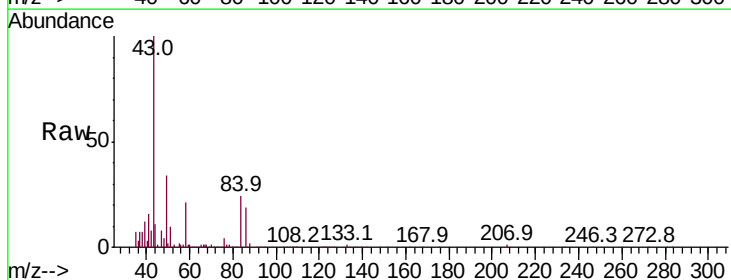
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

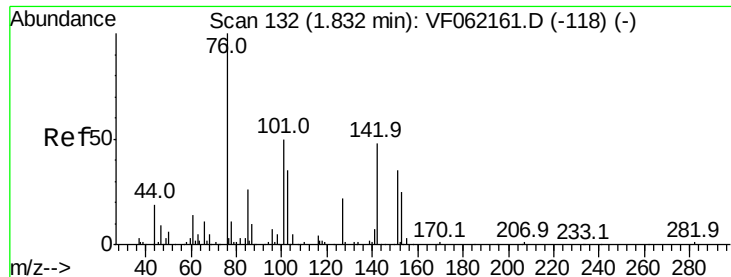
Tot Ion	53	Resp	115389
Ion	Ratio	Lower	Upper
53	100		
52	91.0	75.5	113.3
51	45.2	39.7	59.5



#16
 Acetone
 Concen: 507.147 ug/l
 RT: 2.22 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion	43	Resp	190222
Ion	Ratio	Lower	Upper
43	100		
58	20.8	15.7	23.5





#17

Carbon Disulfide

Concen: 77.755 ug/l m

RT: 1.82 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

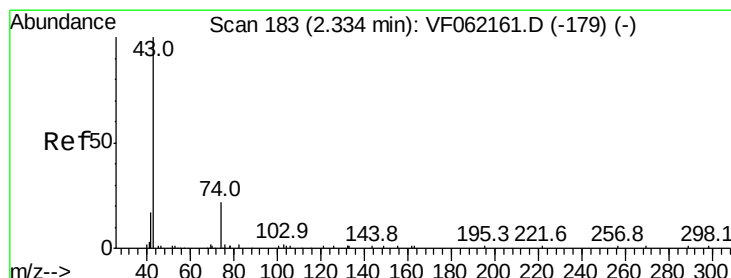
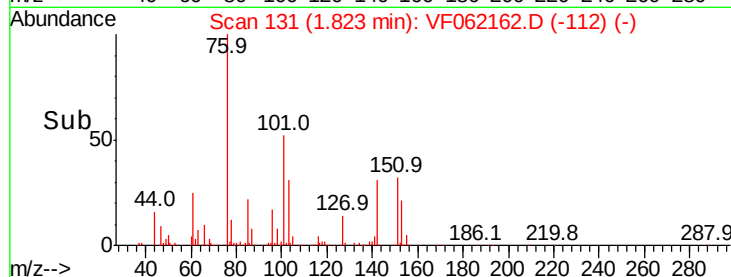
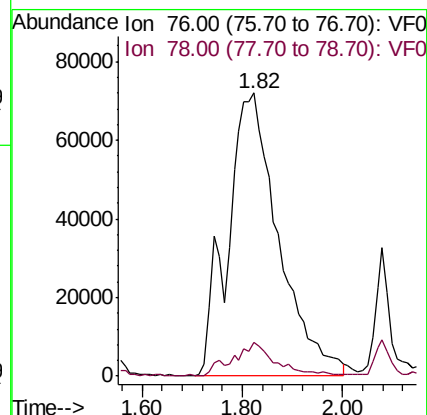
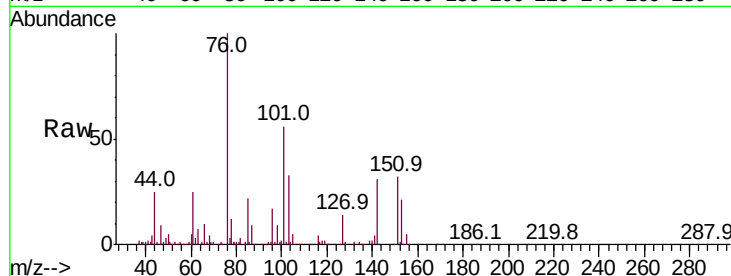
VSTDIC075

Tot Ion: 76 Resp: 508297

Ion Ratio Lower Upper

76 100

78 12.0 8.6 13.0



#18

Methyl Acetate

Concen: 75.447 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF062162.D

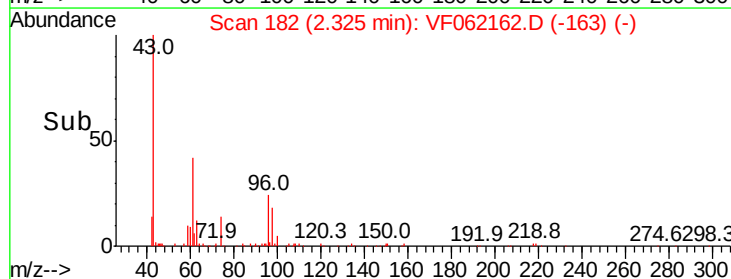
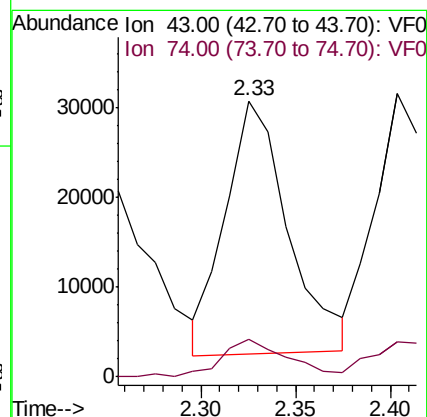
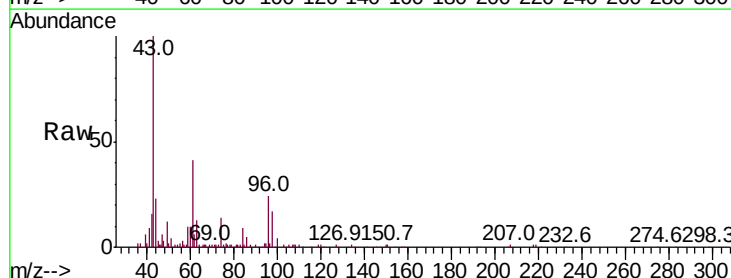
Acq: 4 Apr 2019 17:35

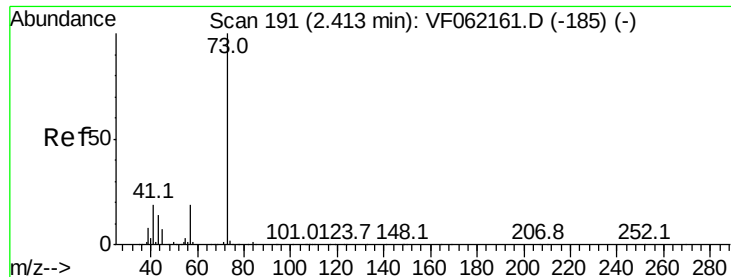
Tgt Ion: 43 Resp: 65139

Ion Ratio Lower Upper

43 100

74 13.6 14.3 21.5#

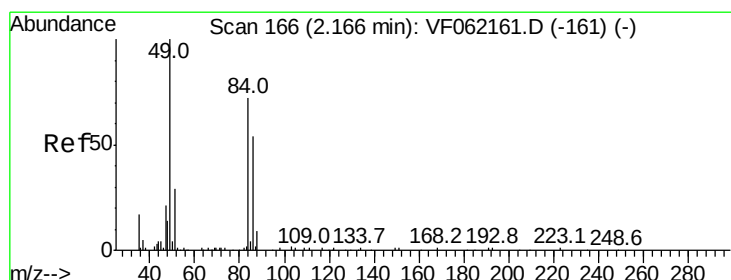
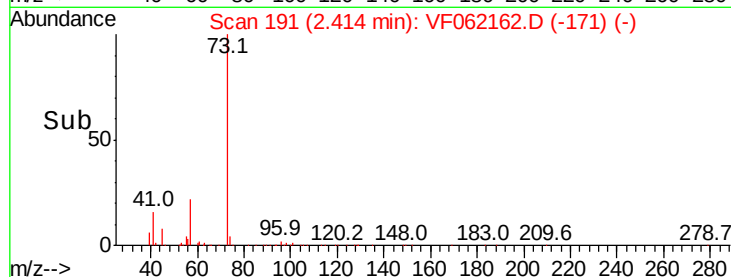
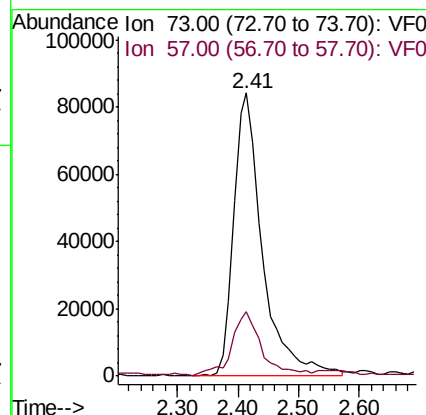
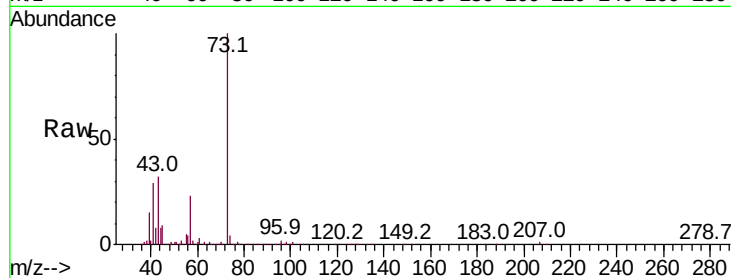




#19
Methyl tert-butyl Ether
Concen: 78.802 ug/l
RT: 2.41 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

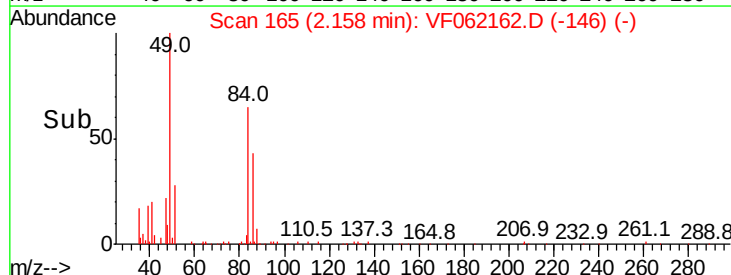
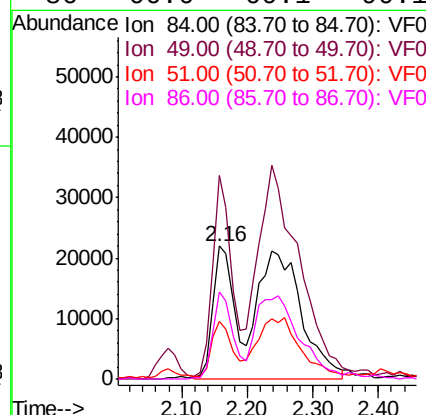
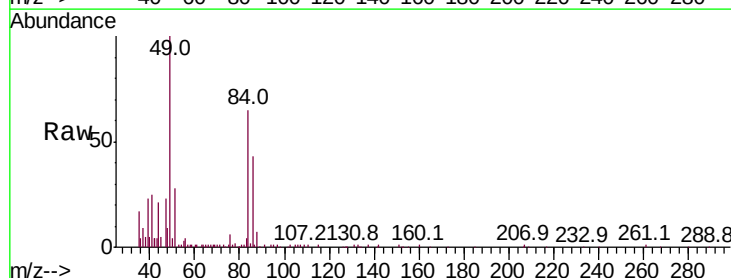
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

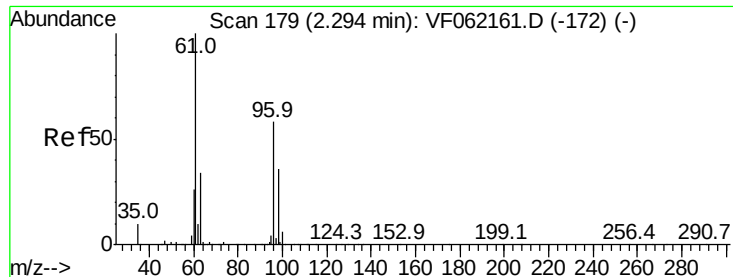
Tot Ion: 73 Resp: 275023
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 60.451 ug/l m
RT: 2.16 min Scan# 165
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 84 Resp: 146480
Ion Ratio Lower Upper
84 100
49 153.2 112.6 168.8
51 43.0 33.4 50.2
86 66.0 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 64.488 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

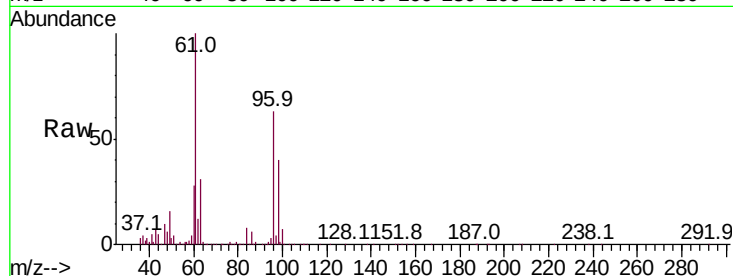
Tot Ion: 96 Resp: 133723

Ion Ratio Lower Upper

96 100

61 157.7 137.4 206.0

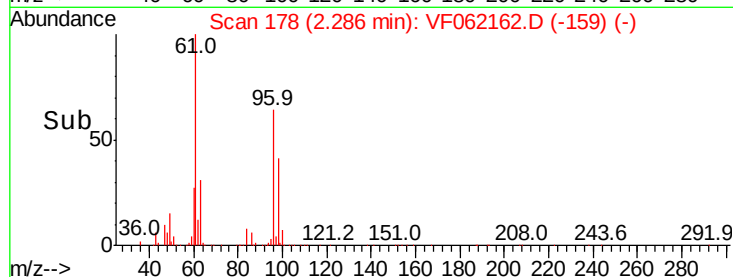
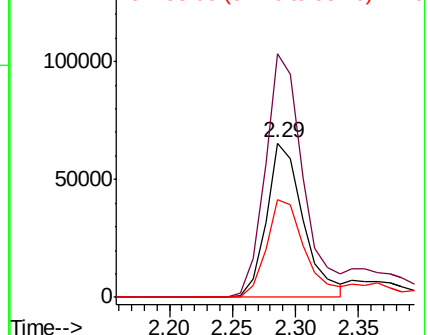
98 63.5 49.4 74.0



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: 78.909 ug/l

RT: 2.78 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Tgt Ion: 45 Resp: 483704

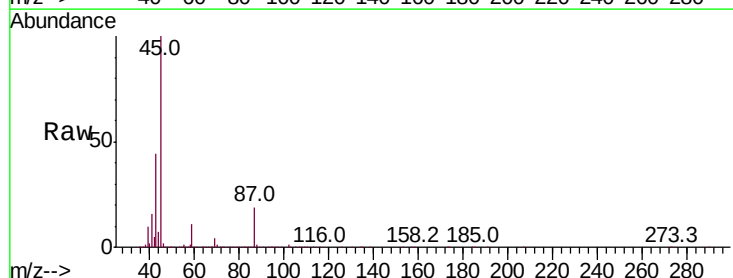
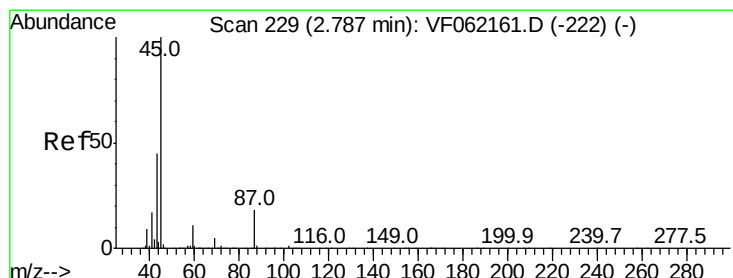
Ion Ratio Lower Upper

45 100

43 44.2 37.4 56.2

87 18.7 14.3 21.5

59 11.1 8.7 13.1

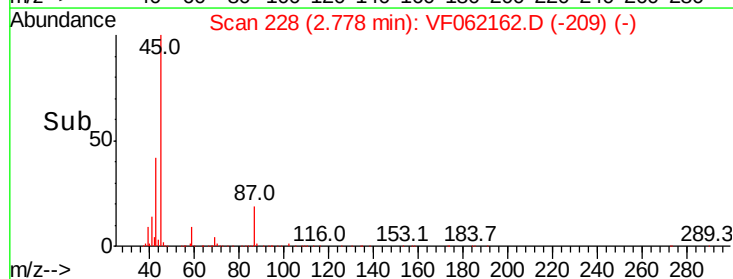
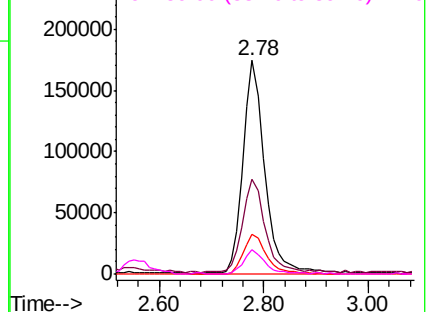


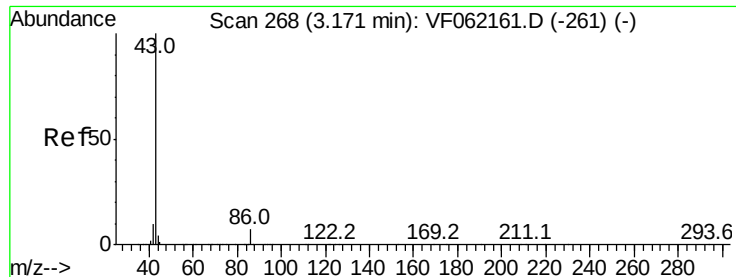
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 458.027 ug/l

RT: 3.16 min Scan# 267

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

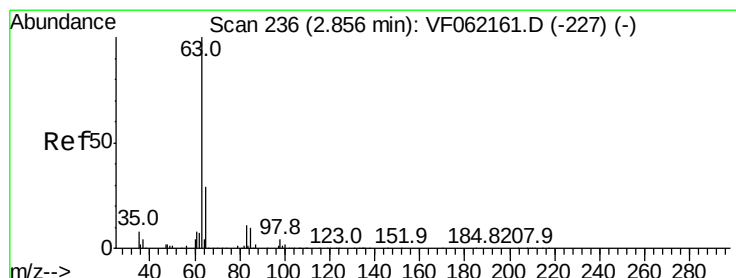
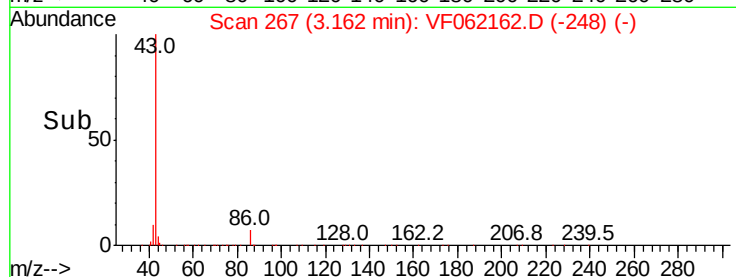
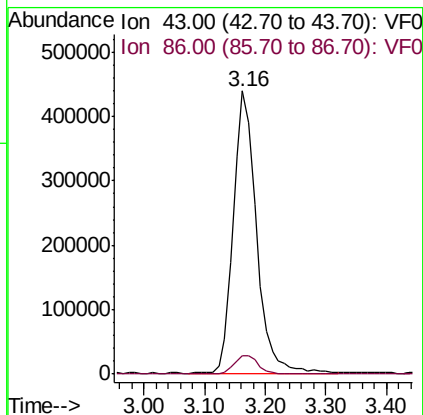
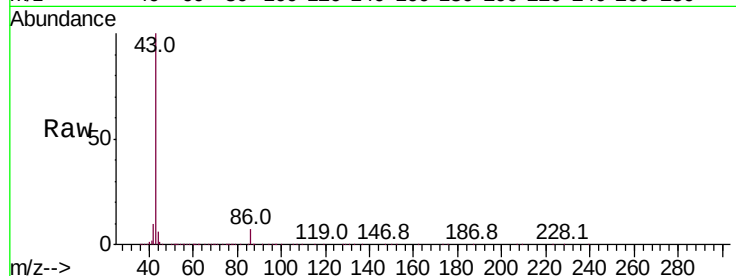
VSTDIC075

Tot Ion: 43 Resp: 1172603

Ion Ratio Lower Upper

43 100

86 6.5 5.7 8.5



#24

1,1-Dichloroethane

Concen: 76.972 ug/l

RT: 2.85 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

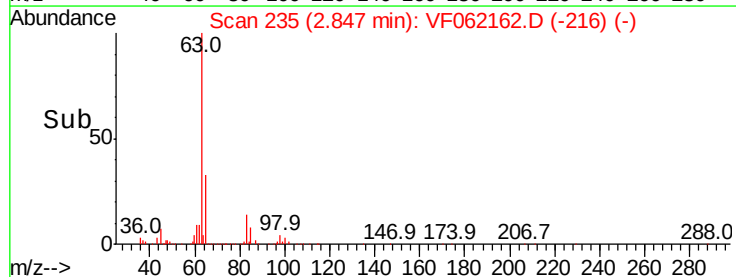
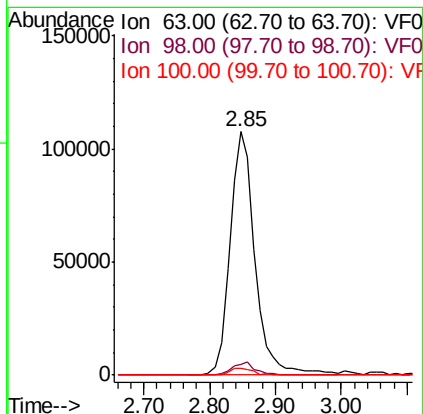
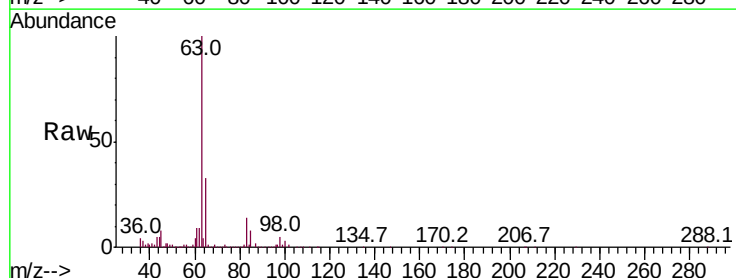
Tgt Ion: 63 Resp: 282621

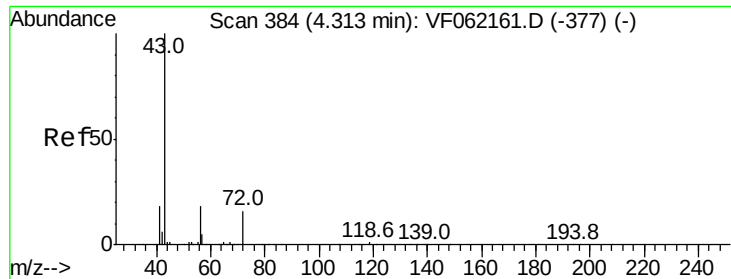
Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

100 2.7 1.0 3.0





#25

2-Butanone

Concen: 439.584 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

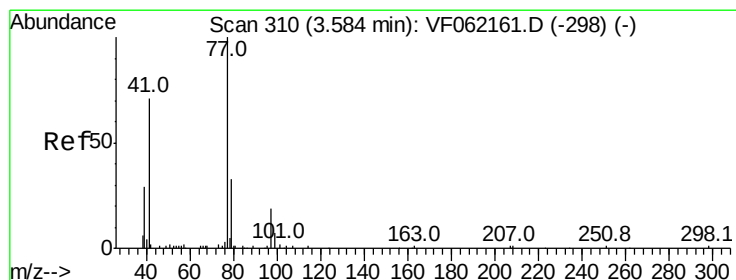
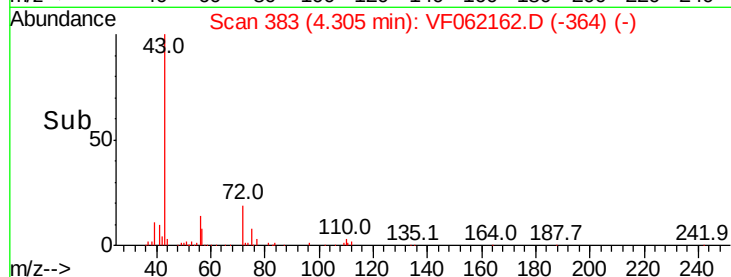
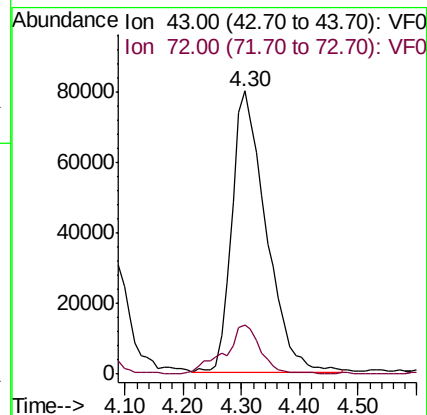
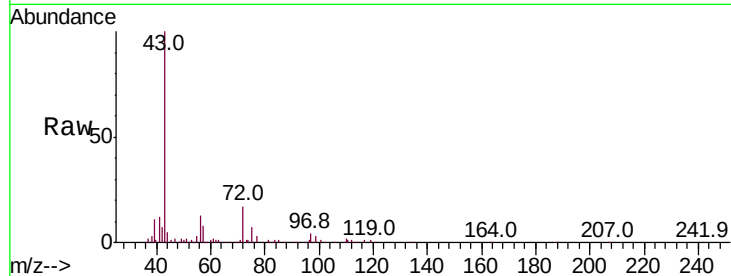
VSTDIC075

Tot Ion: 43 Resp: 325998

Ion Ratio Lower Upper

43 100

72 17.3 16.4 24.6



#26

2,2-Dichloropropane

Concen: 88.090 ug/l

RT: 3.57 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF062162.D

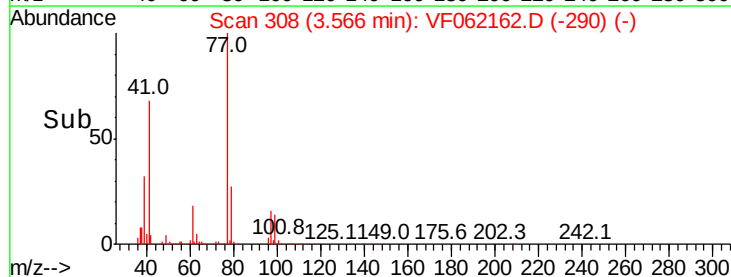
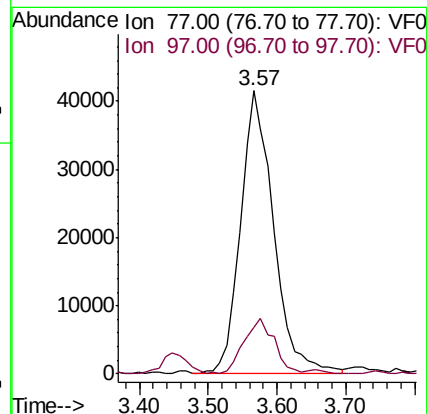
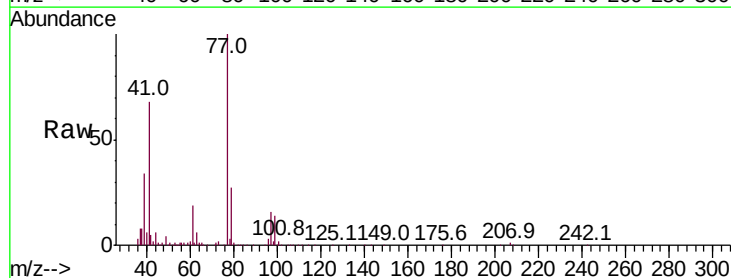
Acq: 4 Apr 2019 17:35

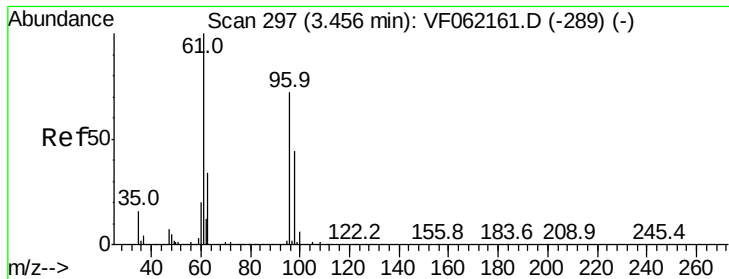
Tgt Ion: 77 Resp: 137055

Ion Ratio Lower Upper

77 100

97 16.3 11.4 34.2



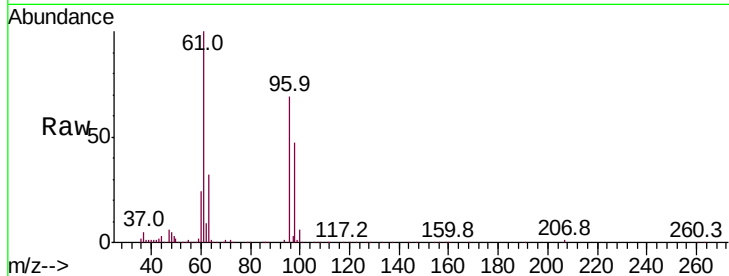


#27

cis-1,2-Dichloroethene
Concen: 64.666 ug/l
RT: 3.45 min Scan# 296
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

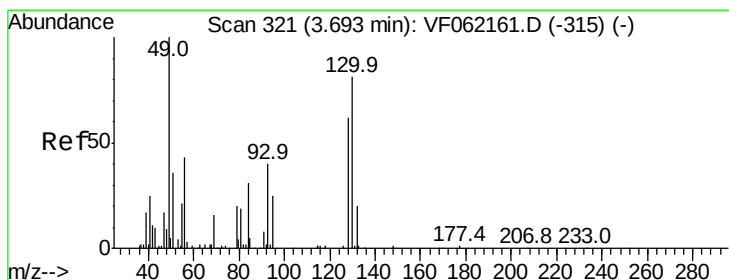
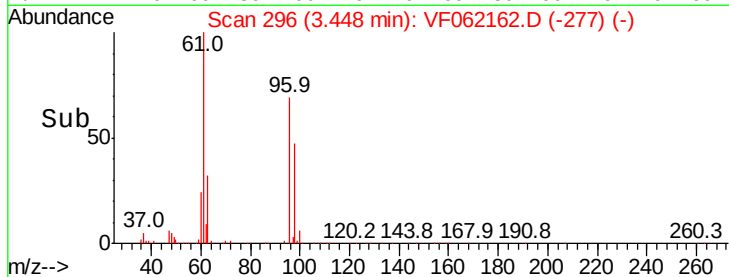
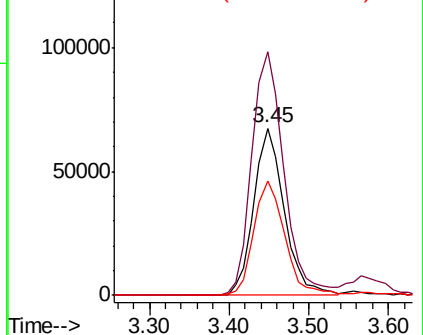
Tot Ion	96	Resp	177322
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	278.2
98	68.0	0.0	122.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

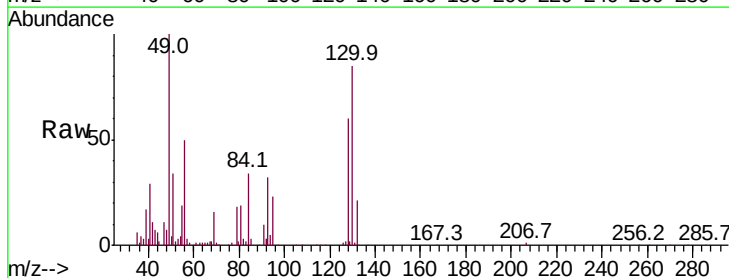
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 82.519 ug/l
RT: 3.69 min Scan# 321
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

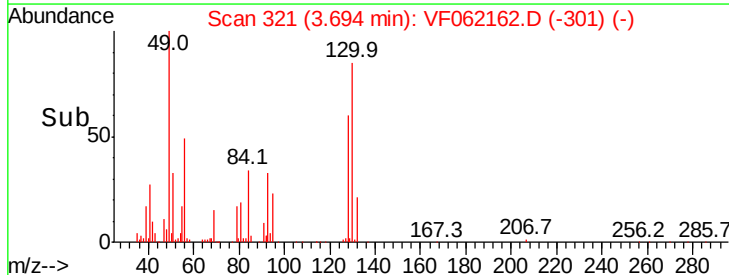
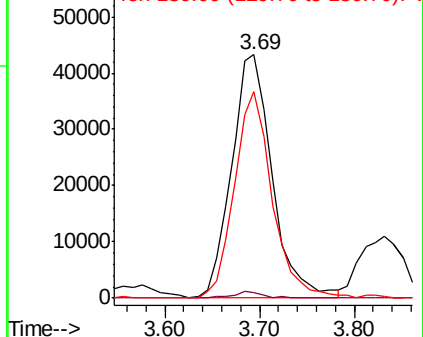
Tgt Ion	49	Resp	127187
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	0.0#
130	85.0	65.0	97.4

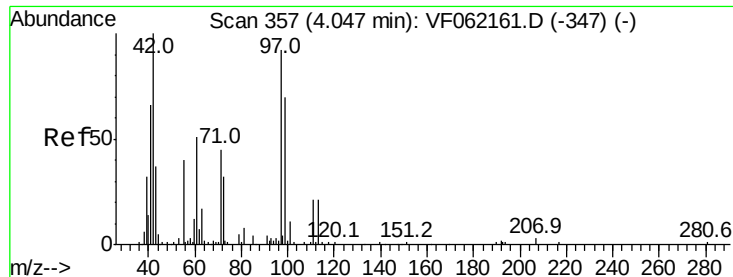


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

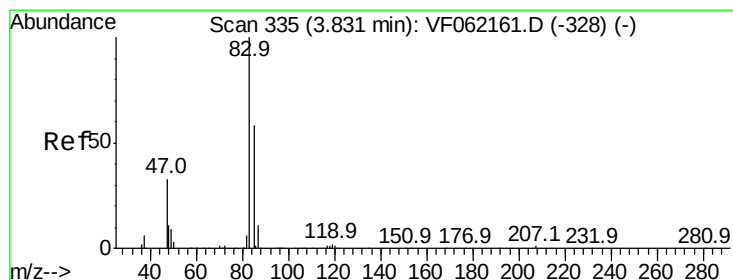
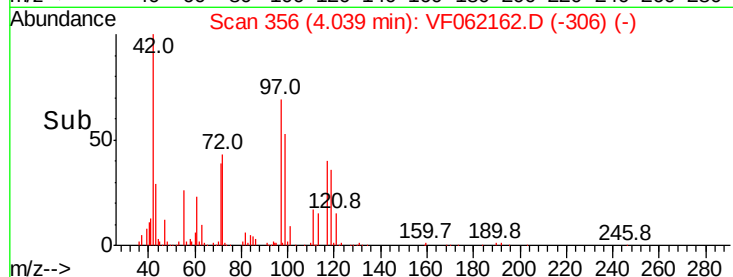
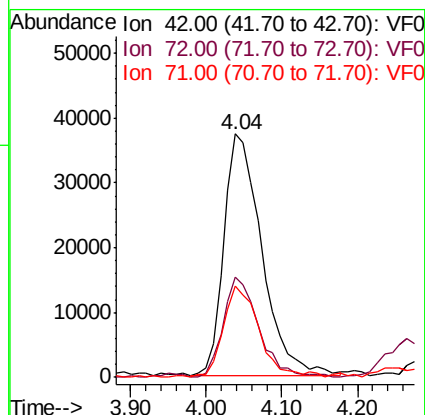
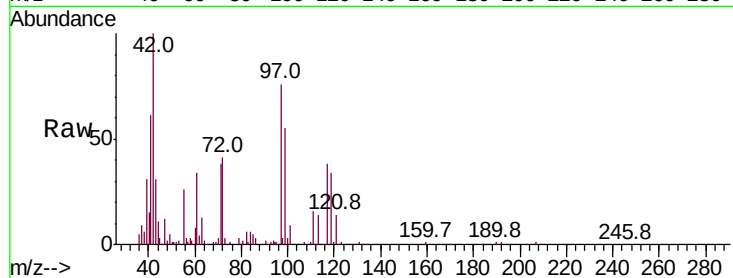




#29
Tetrahydrofuran
Concen: 404.859 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

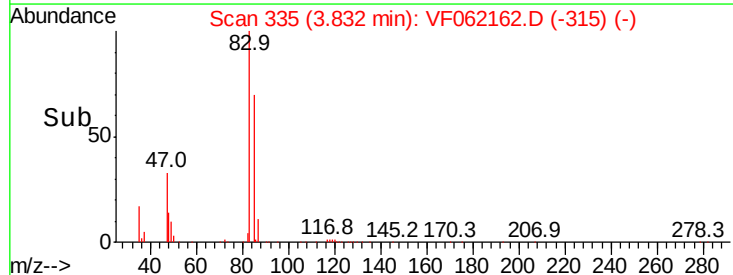
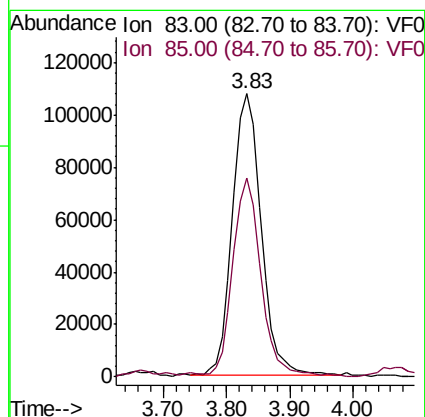
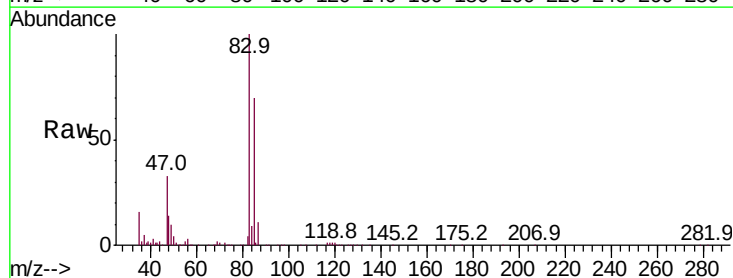
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

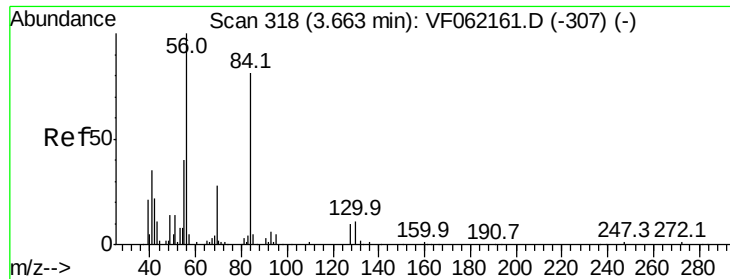
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.9	46.3
71	35.8	32.0	48.0



#30
Chloroform
Concen: 85.014 ug/l
RT: 3.83 min Scan# 335
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.5	46.9	70.3#

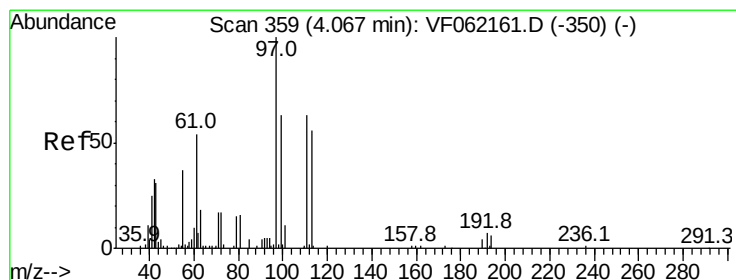
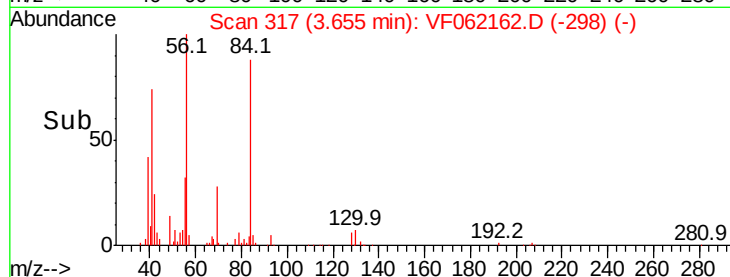
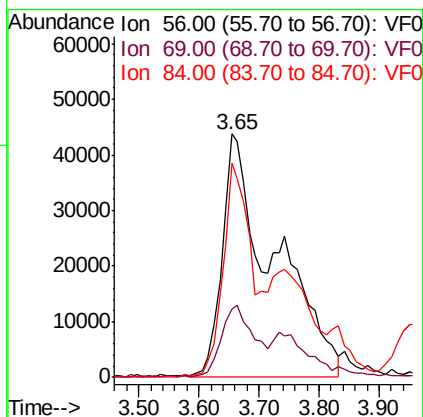
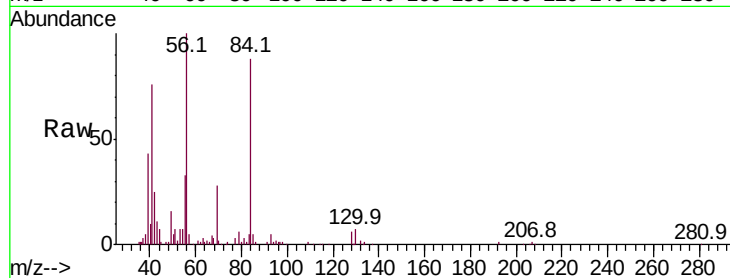




#31
Cvclohexane
Concen: 69.974 ug/l m
RT: 3.65 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

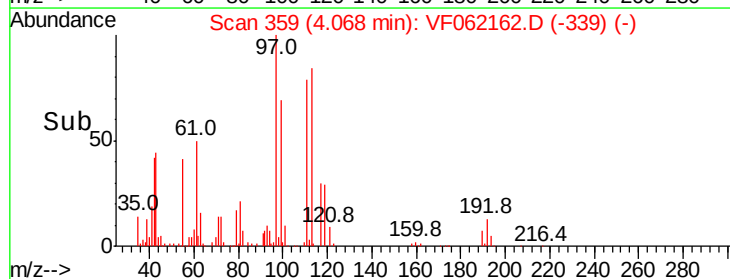
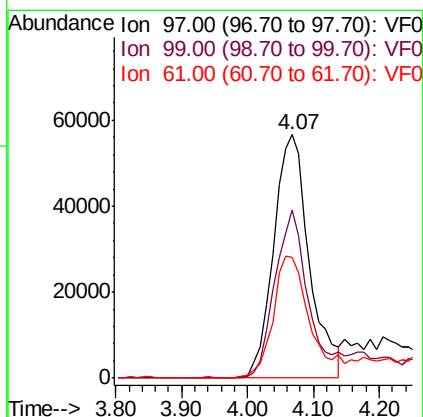
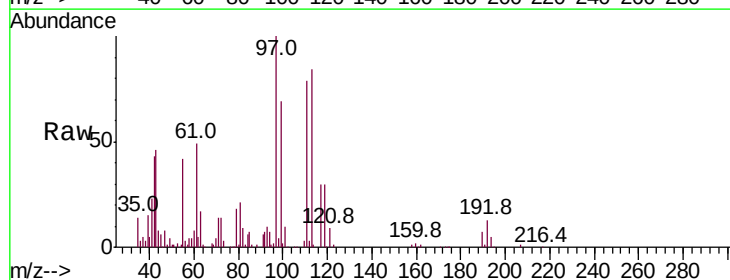
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

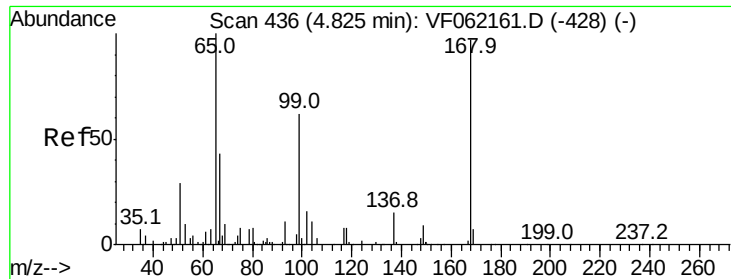
Tot Ion: 56 Resp: 262779
Ion Ratio Lower Upper
56 100
69 27.8 23.0 34.4
84 87.7 64.4 96.6



#32
1,1,1-Trichloroethane
Concen: 83.920 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 97 Resp: 212743
Ion Ratio Lower Upper
97 100
99 69.2 50.2 75.2
61 49.4 43.5 65.3

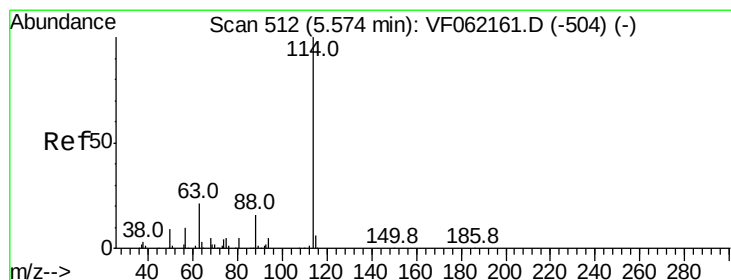
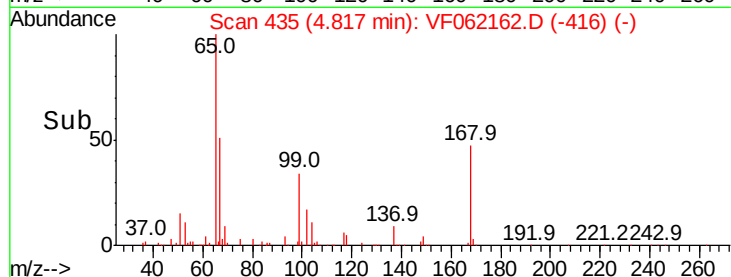
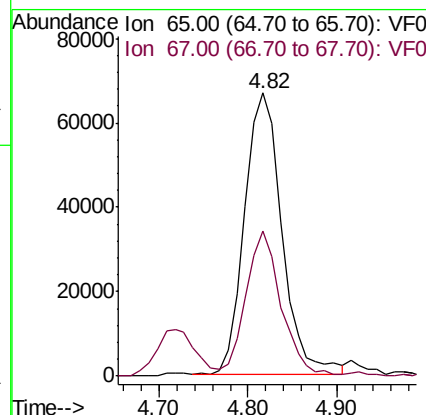
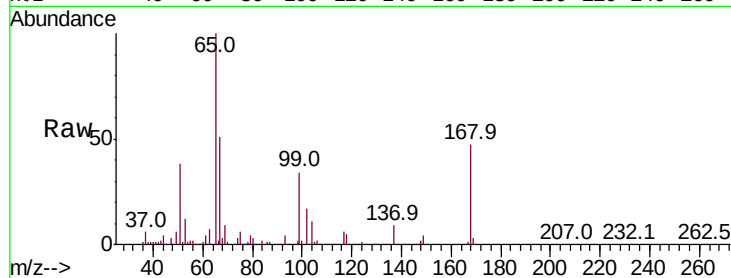




#33
 1,2-Dichloroethane-d4
 Concen: 105.898 ug/l
 RT: 4.82 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

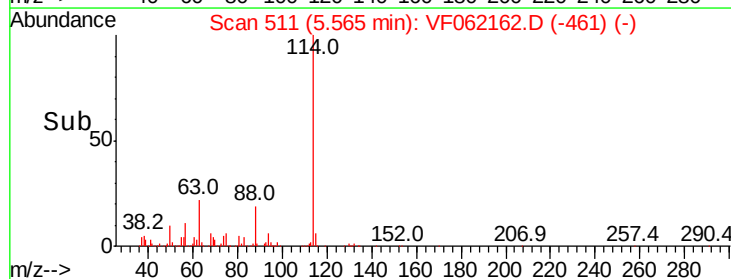
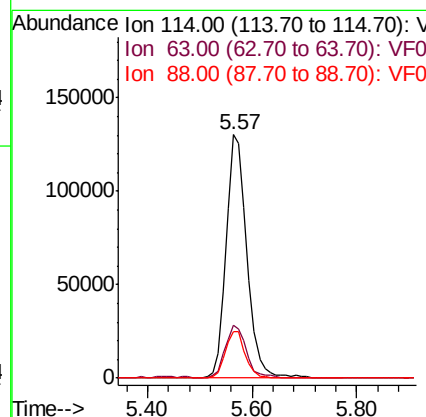
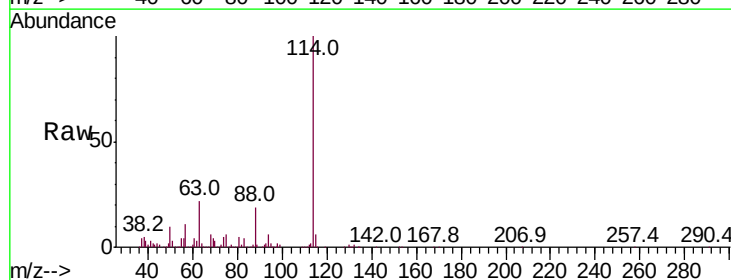
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

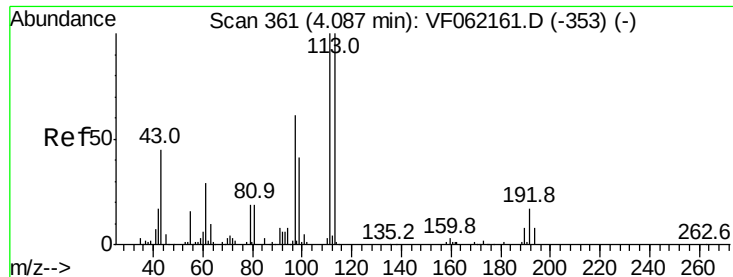
Tot Ion: 65 Resp: 193532
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 96.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion: 114 Resp: 358286
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 41.8
 88 18.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 79.664 ug/l

RT: 4.08 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

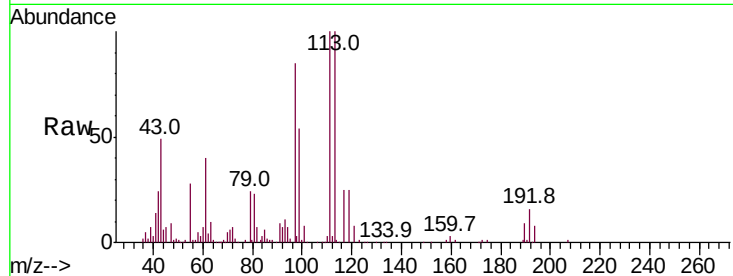
Tot Ion:113 Resp: 196816

Ion Ratio Lower Upper

113 100

111 100.2 79.8 119.6

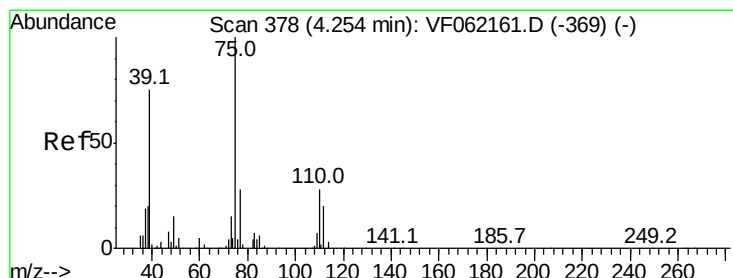
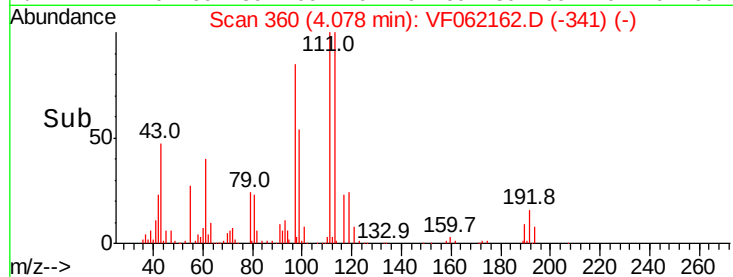
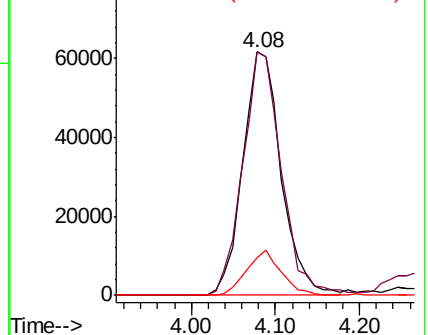
192 15.7 13.8 20.6



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: 80.691 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

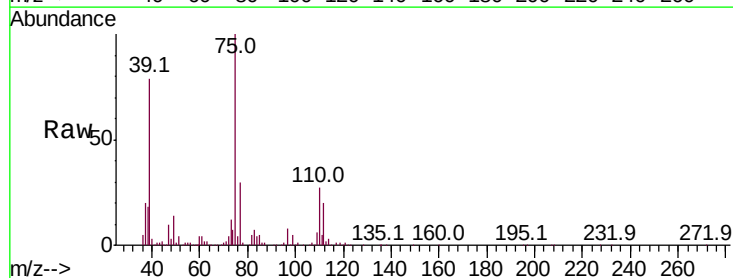
Tgt Ion: 75 Resp: 281591

Ion Ratio Lower Upper

75 100

110 26.9 13.9 41.7

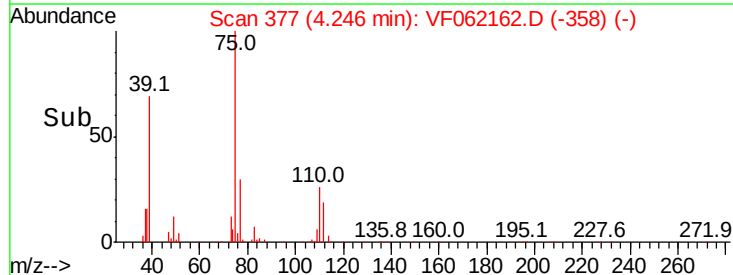
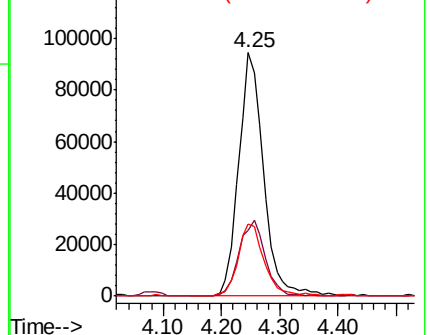
77 29.8 22.6 34.0

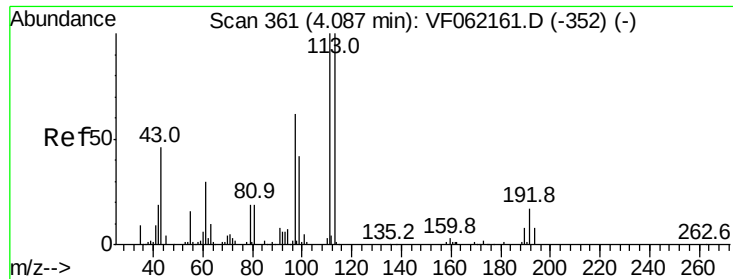


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

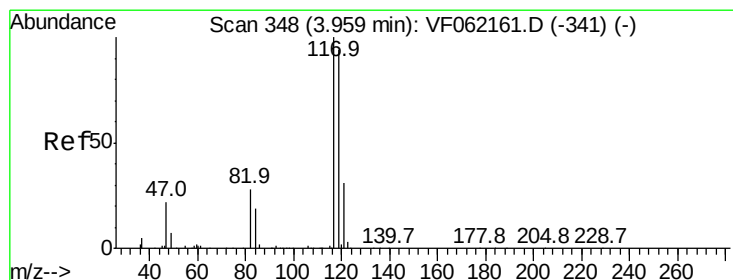
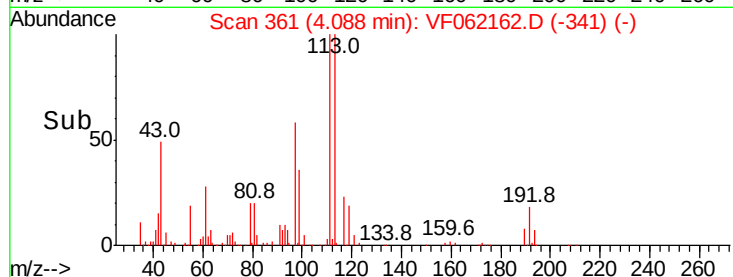
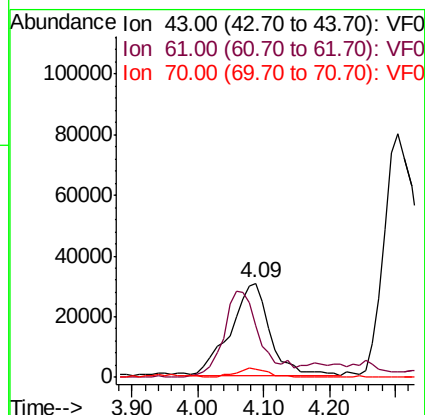
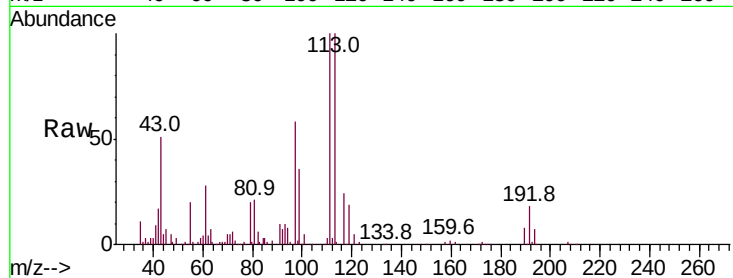




#37
Ethyl Acetate
Concen: 84.163 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

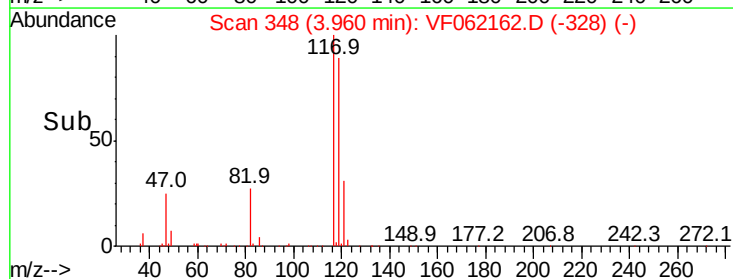
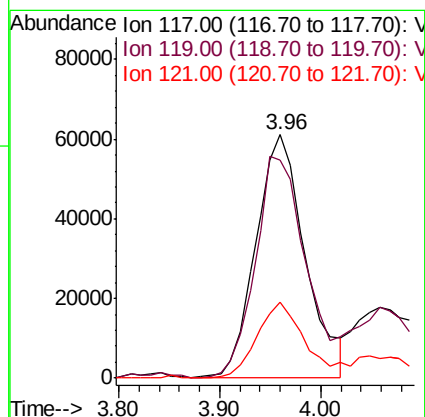
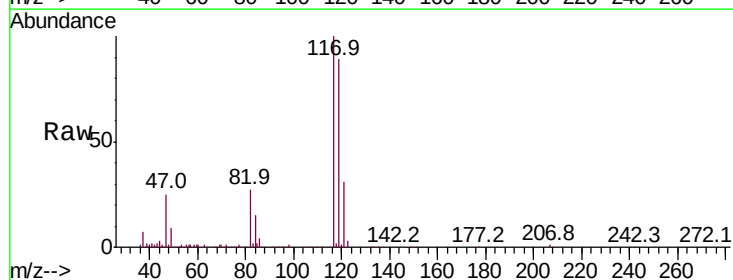
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

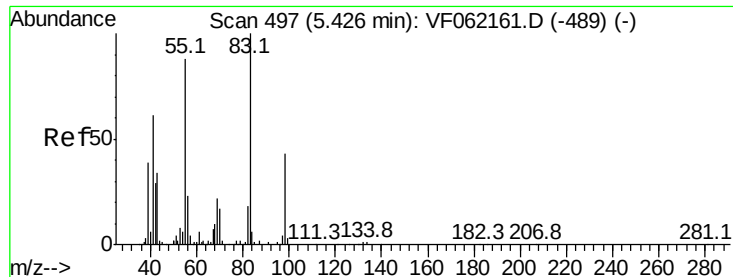
Tot Ion: 43 Resp: 127553
Ion Ratio Lower Upper
43 100
61 55.5 52.3 78.5
70 8.9 6.4 9.6



#38
Carbon Tetrachloride
Concen: 85.003 ug/l
RT: 3.96 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 117 Resp: 206424
Ion Ratio Lower Upper
117 100
119 89.4 75.5 113.3
121 31.3 24.6 37.0

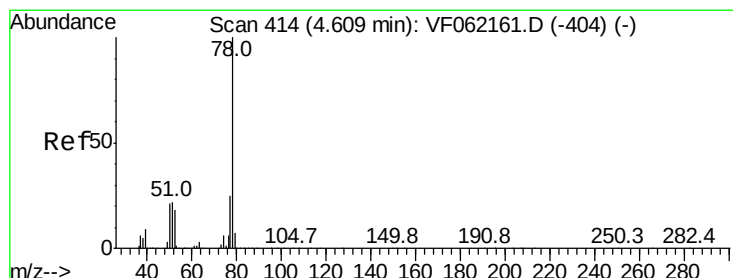
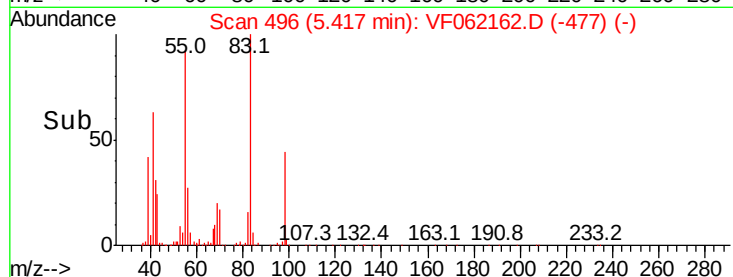
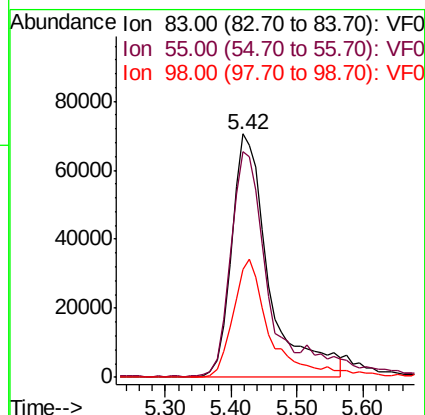
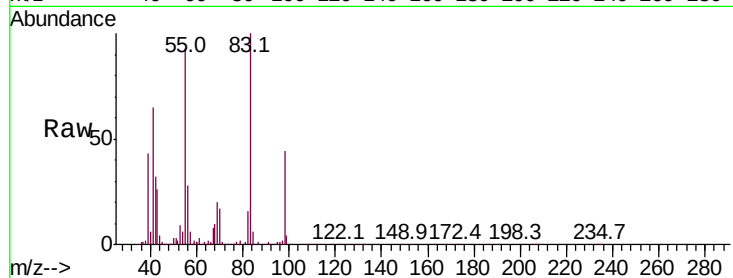




#39
Methylvlcyclohexane
Concen: 72.915 ug/l
RT: 5.42 min Scan# 496
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

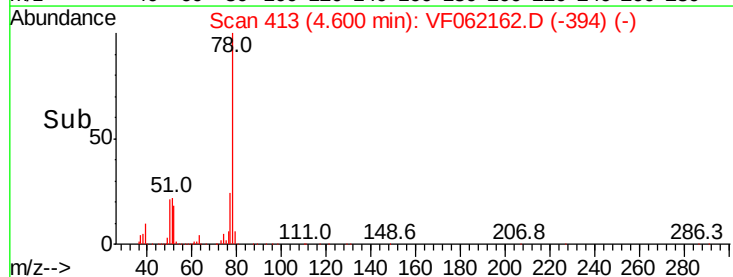
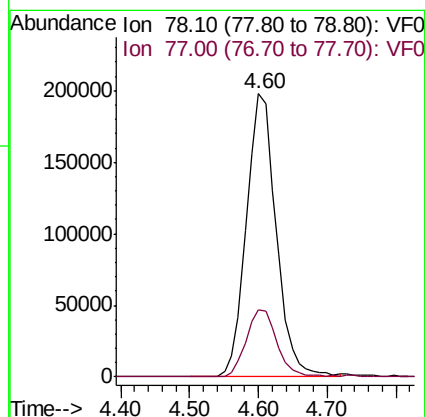
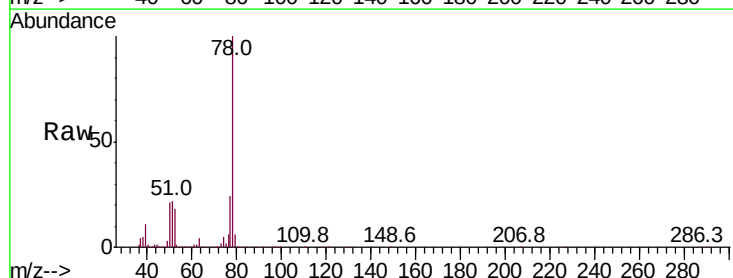
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

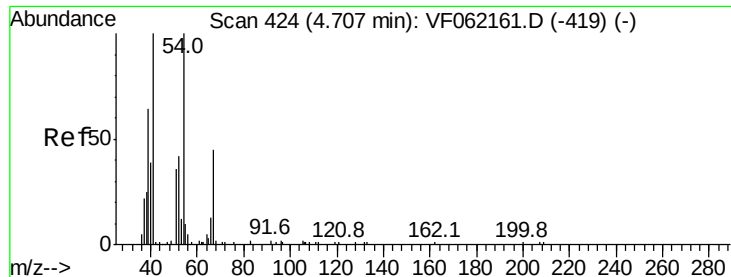
Tot Ion: 83 Resp: 282667
Ion Ratio Lower Upper
83 100
55 92.6 70.7 106.1
98 44.5 34.6 51.8



#40
Benzene
Concen: 66.167 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 78 Resp: 597432
Ion Ratio Lower Upper
78 100
77 23.8 19.9 29.9

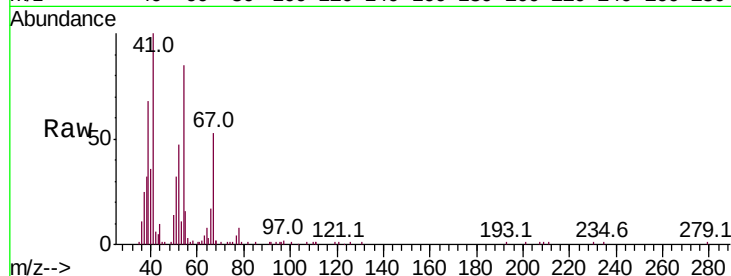




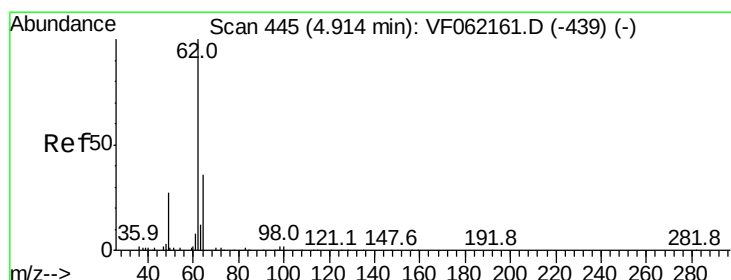
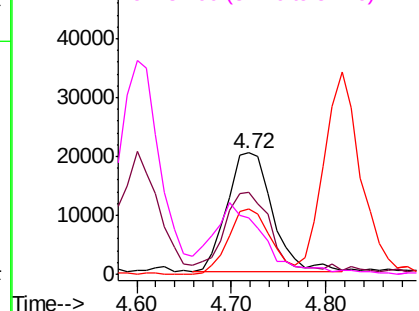
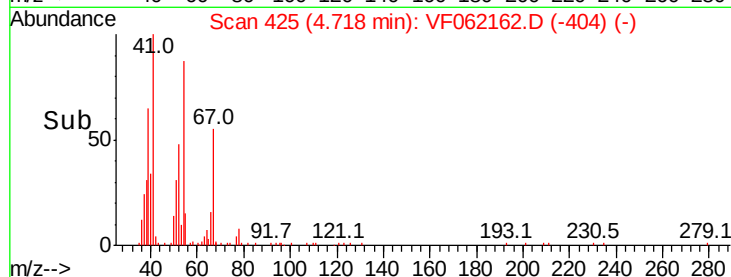
#41
Methacrylonitrile
Concen: 83.764 ug/l
RT: 4.72 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 41 Resp: 67481
Ion Ratio Lower Upper
41 100
39 67.5 56.5 84.7
67 53.4 35.7 53.5
52 46.9 42.2 63.4

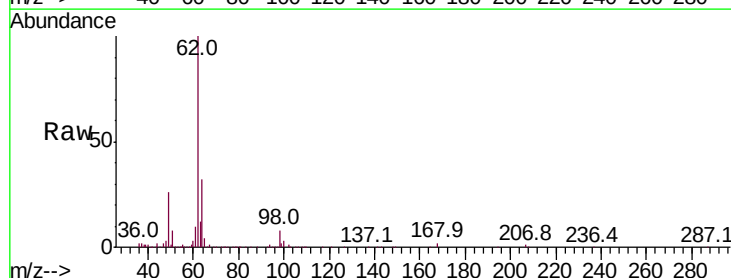


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

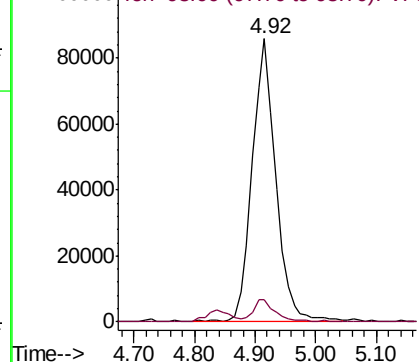
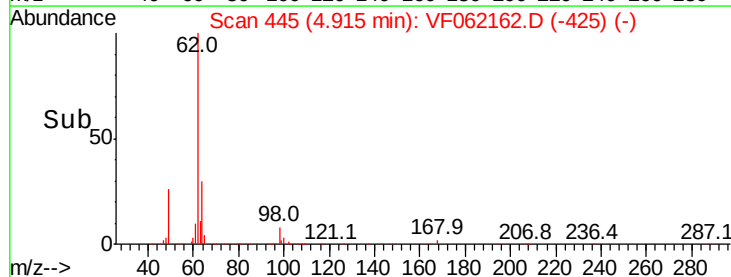


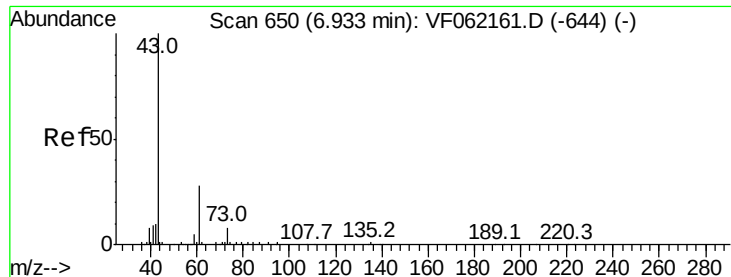
#42
1,2-Dichloroethane
Concen: 101.004 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 62 Resp: 233710
Ion Ratio Lower Upper
62 100
98 8.0 0.0 14.2



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



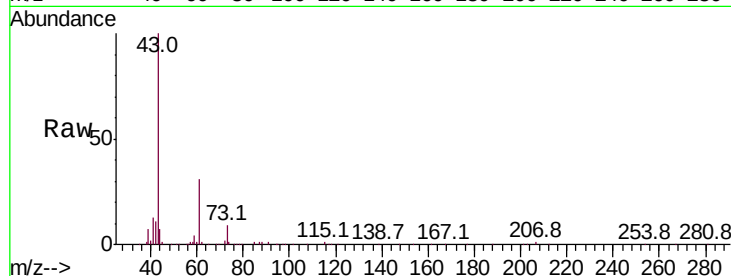


#43

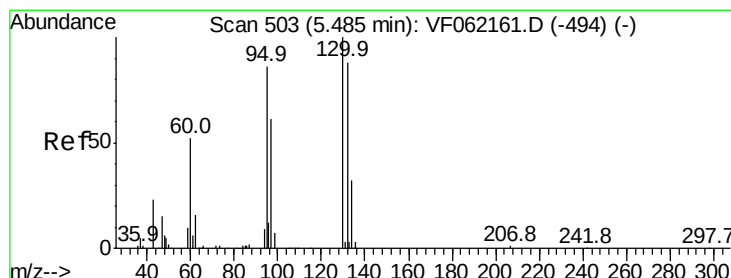
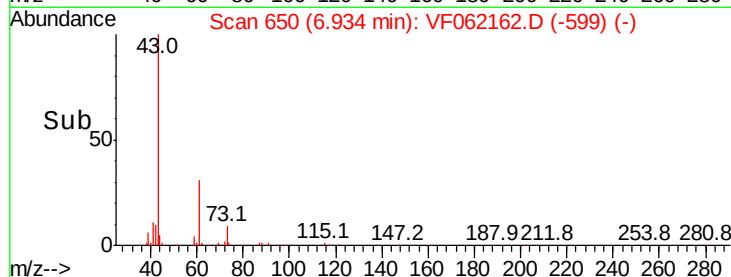
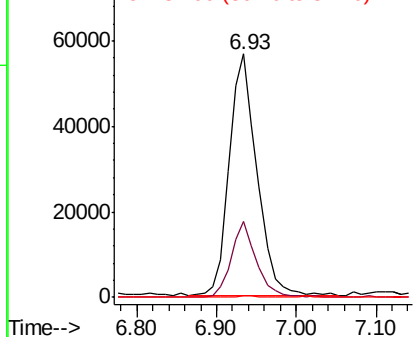
Isopropyl Acetate
 Concen: 75.944 ug/l
 RT: 6.93 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 43 Resp: 137007
 Ion Ratio Lower Upper
 43 100
 61 30.9 22.5 33.7
 87 0.5 0.5 0.7



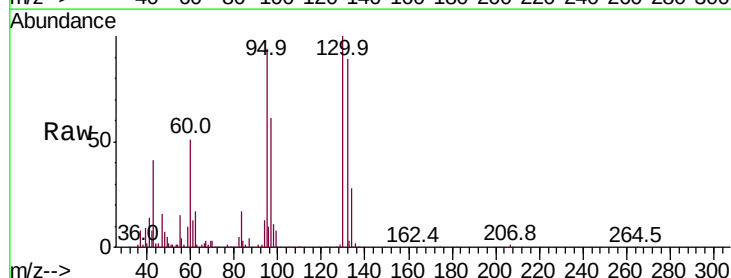
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



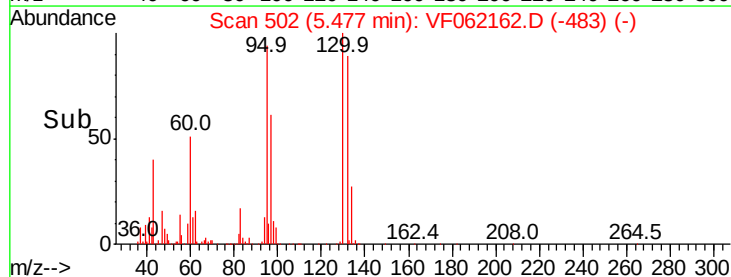
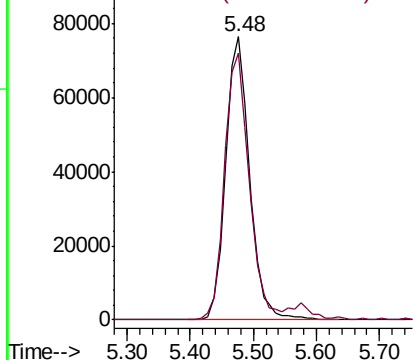
#44

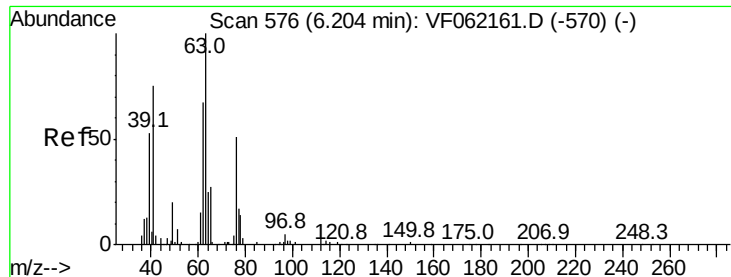
Trichloroethene
 Concen: 72.003 ug/l
 RT: 5.48 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion:130 Resp: 199322
 Ion Ratio Lower Upper
 130 100
 95 94.3 0.0 172.2



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 66.494 ug/l

RT: 6.21 min Scan# 576

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

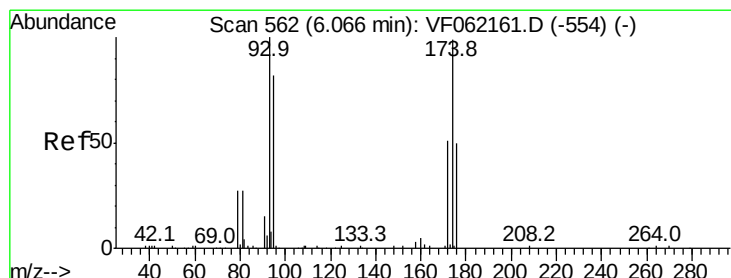
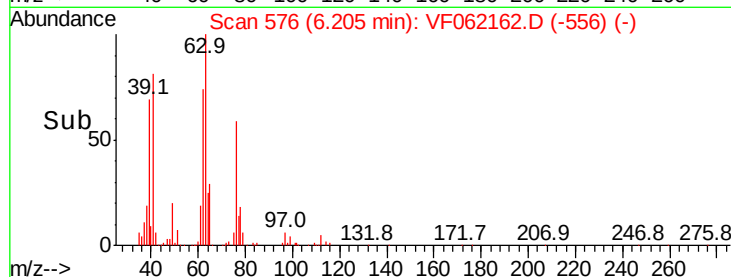
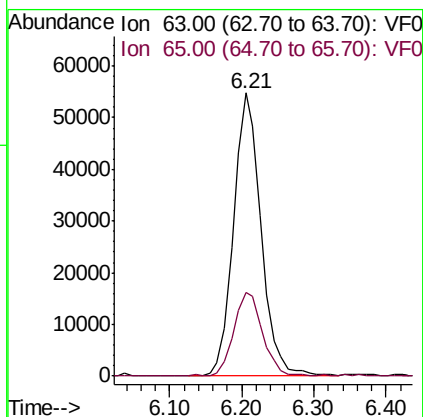
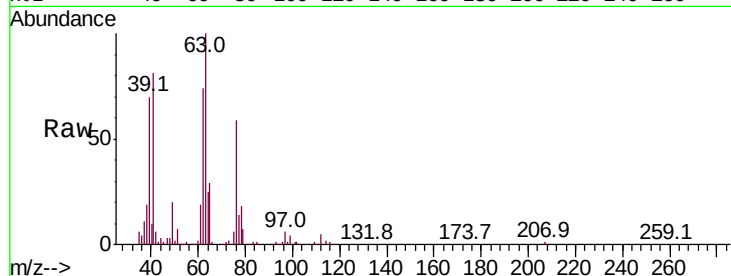
VSTDIC075

Tot Ion: 63 Resp: 144291

Ion Ratio Lower Upper

63 100

65 29.5 21.8 32.6



#46

Dibromomethane

Concen: 75.930 ug/l

RT: 6.06 min Scan# 561

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

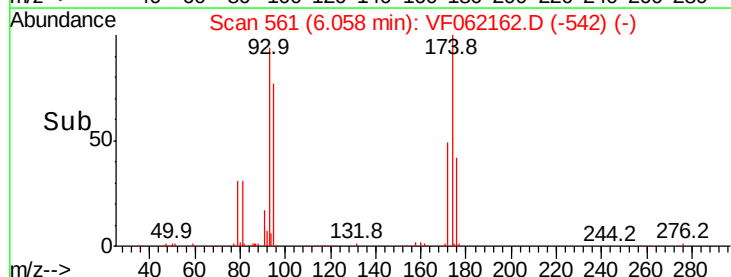
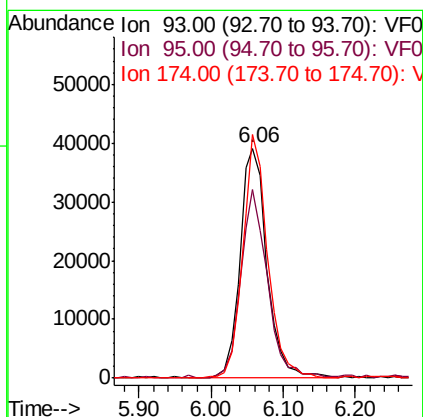
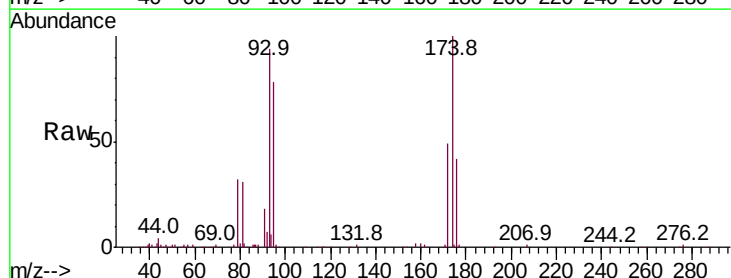
Tgt Ion: 93 Resp: 101965

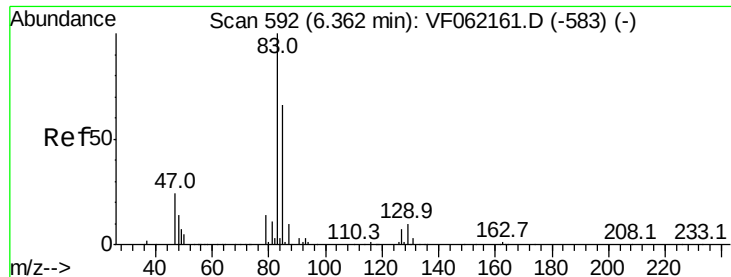
Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

174 106.0 79.2 118.8





#47

Bromodichloromethane

Concen: 86.079 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

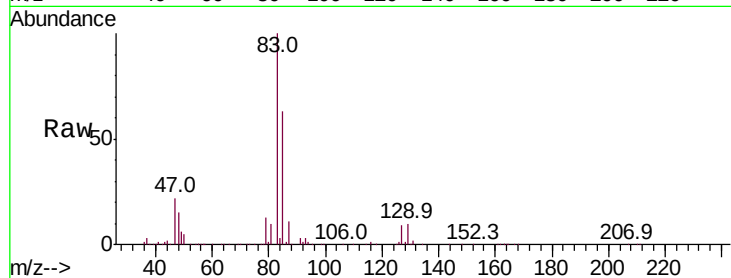
Tot Ion: 83 Resp: 264352

Ion Ratio Lower Upper

83 100

85 63.3 52.9 79.3

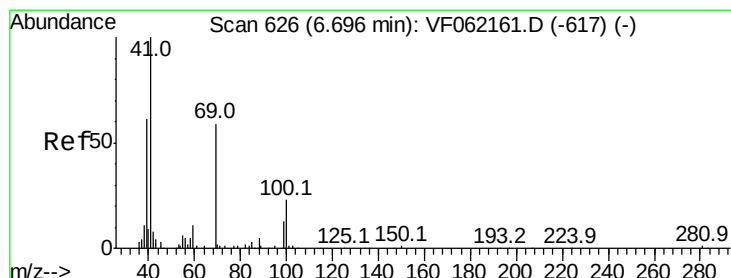
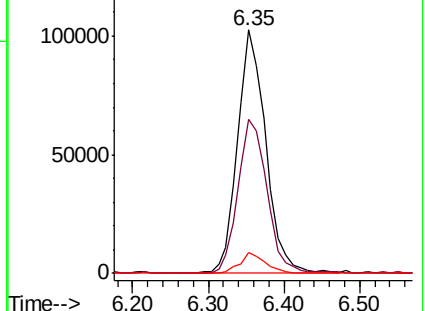
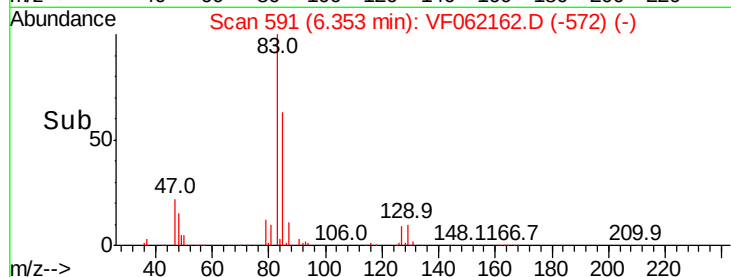
127 8.5 5.9 8.9



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: 87.603 ug/l

RT: 6.69 min Scan# 625

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

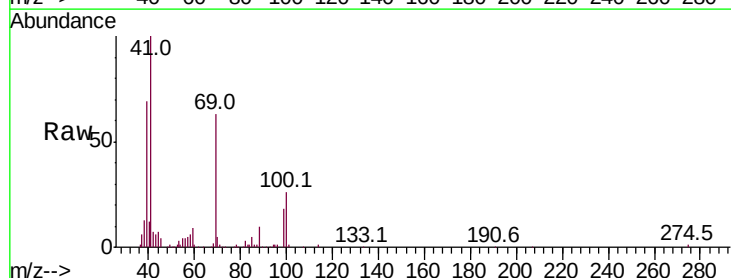
Tgt Ion: 41 Resp: 95162

Ion Ratio Lower Upper

41 100

69 62.8 46.7 70.1

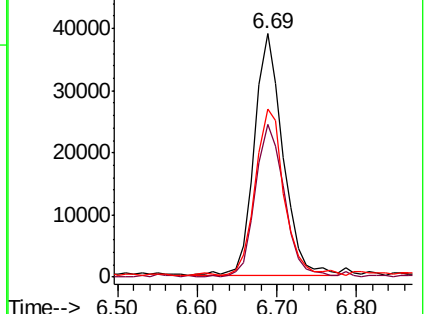
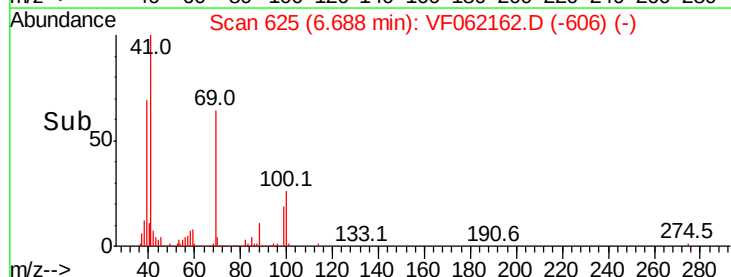
39 69.1 51.4 77.0

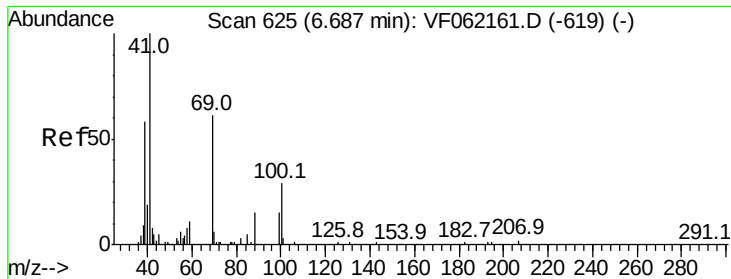


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1609.529 ug/l

RT: 6.68 min Scan# 624

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

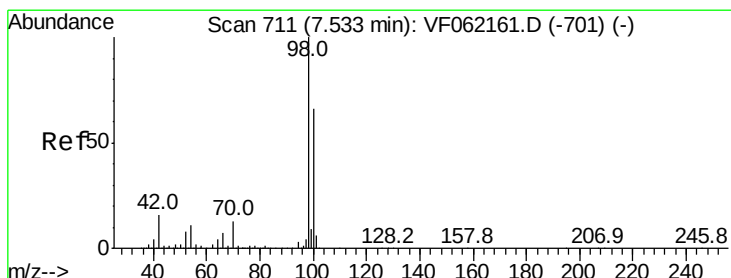
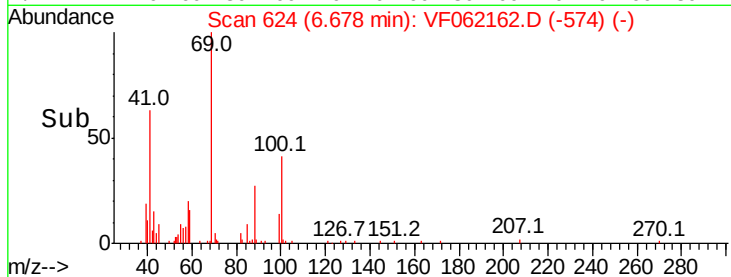
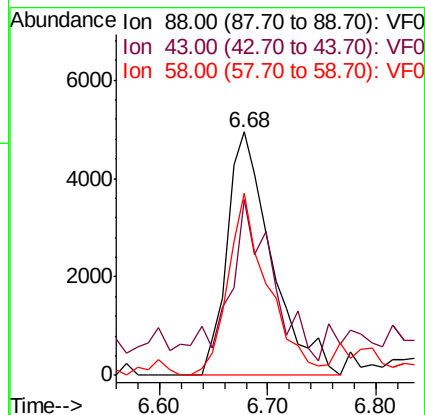
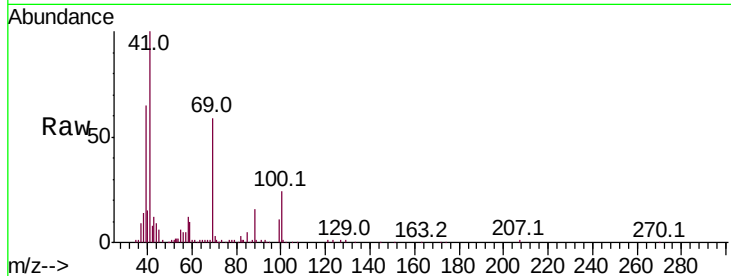
Tot Ion: 88 Resp: 14148

Ion Ratio Lower Upper

88 100

43 72.2 51.0 76.6

58 74.6 41.3 61.9#



#50

Toluene-d8

Concen: 77.279 ug/l

RT: 7.52 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF062162.D

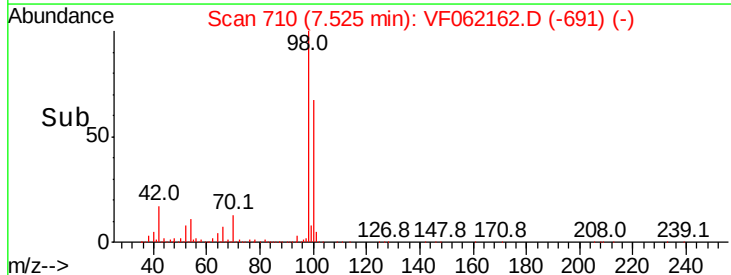
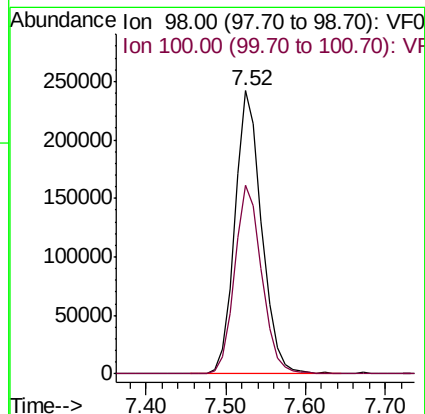
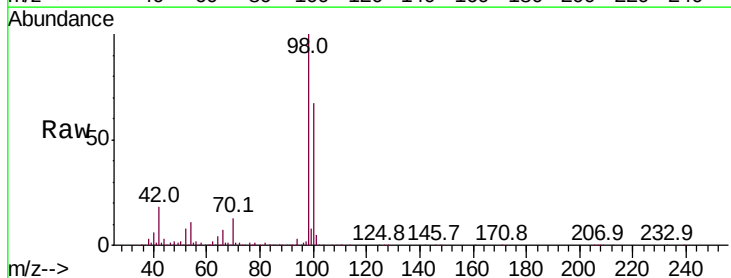
Acq: 4 Apr 2019 17:35

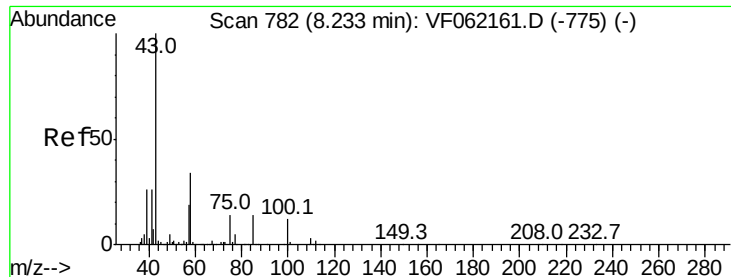
Tgt Ion: 98 Resp: 565666

Ion Ratio Lower Upper

98 100

100 66.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 423.976 ug/l

RT: 8.23 min Scan# 782

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

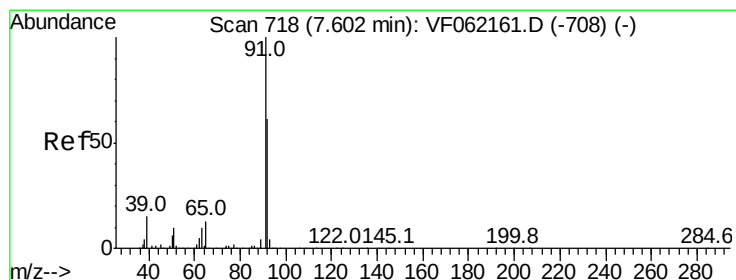
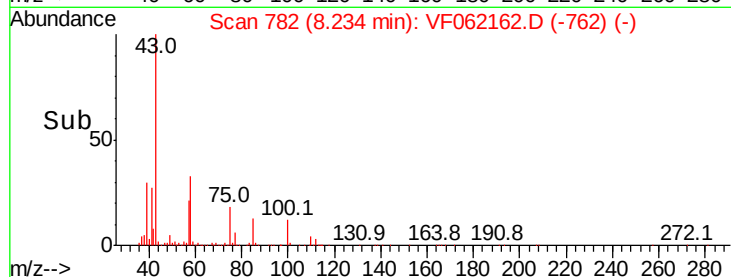
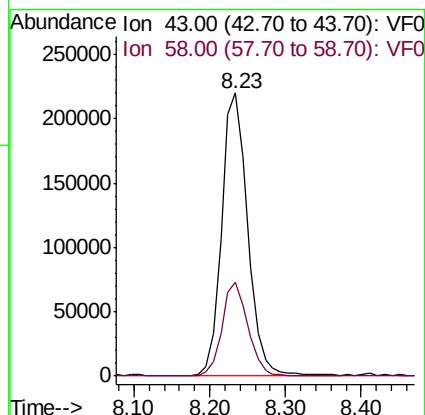
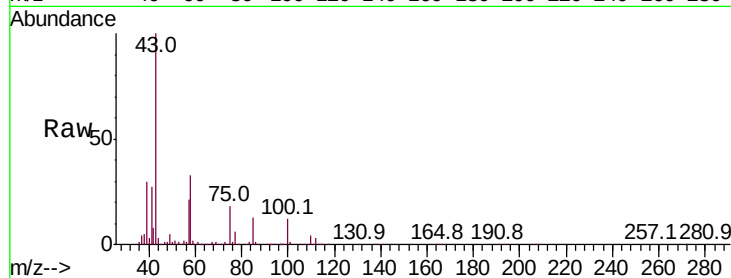
VSTDIC075

Tot Ion: 43 Resp: 523971

Ion Ratio Lower Upper

43 100

58 33.2 27.0 40.4



#52

Toluene

Concen: 73.136 ug/l

RT: 7.59 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF062162.D

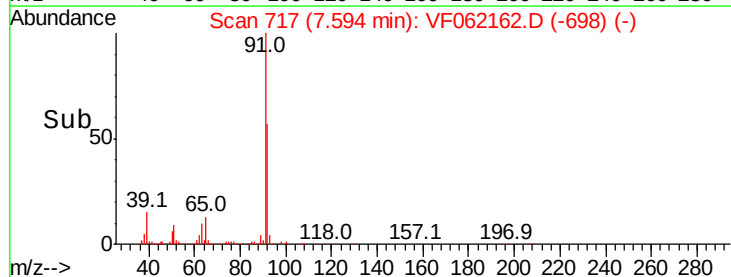
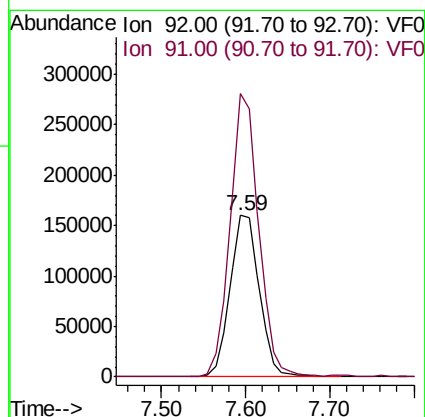
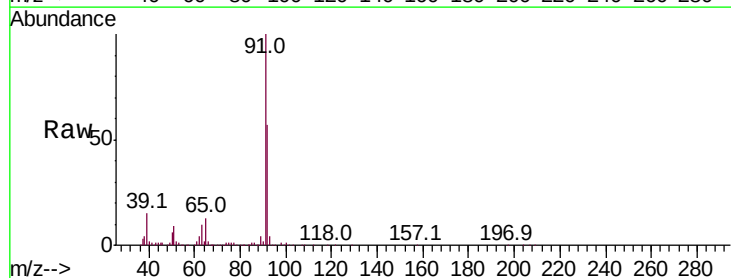
Acq: 4 Apr 2019 17:35

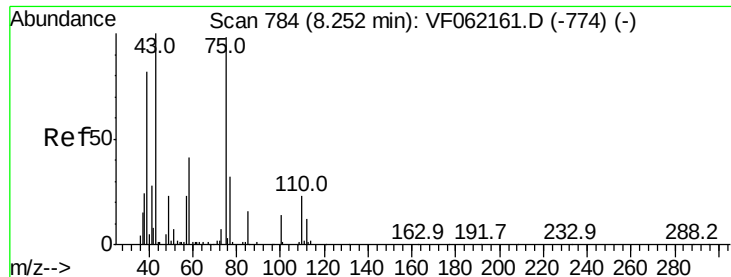
Tgt Ion: 92 Resp: 389453

Ion Ratio Lower Upper

92 100

91 175.0 130.8 196.2





#53

t-1,3-Dichloropropene

Concen: 85.985 ug/l

RT: 8.25 min Scan# 784

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

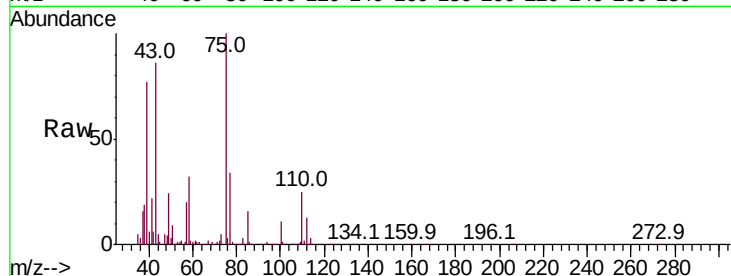
VSTDIC075

Tot Ion: 75 Resp: 209037

Ion Ratio Lower Upper

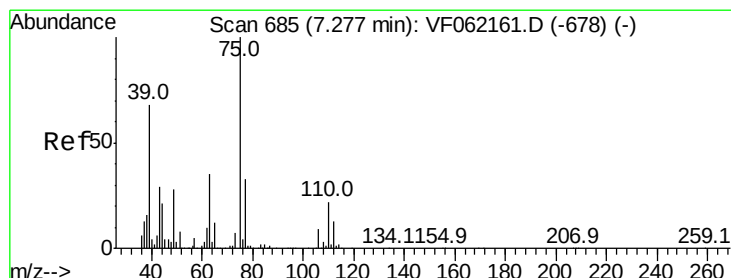
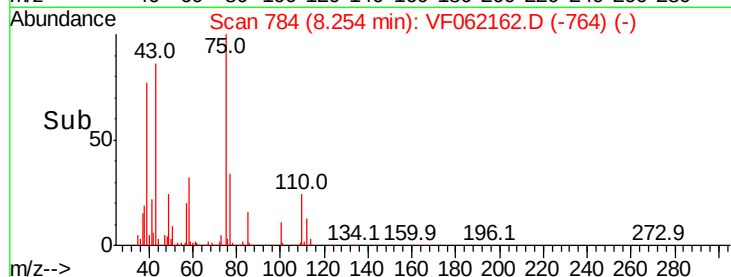
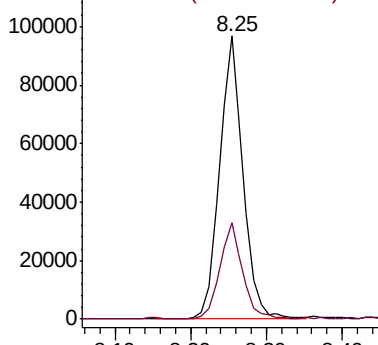
75 100

77 34.0 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 81.312 ug/l

RT: 7.28 min Scan# 685

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

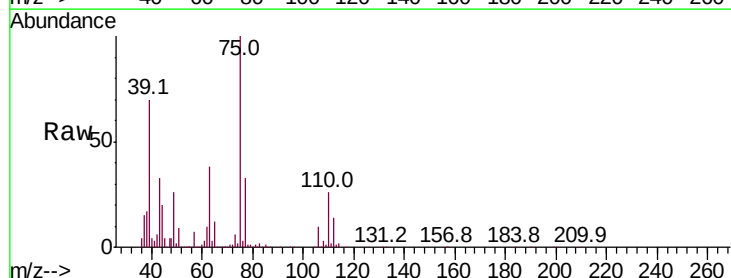
Tgt Ion: 75 Resp: 273567

Ion Ratio Lower Upper

75 100

77 33.0 26.7 40.1

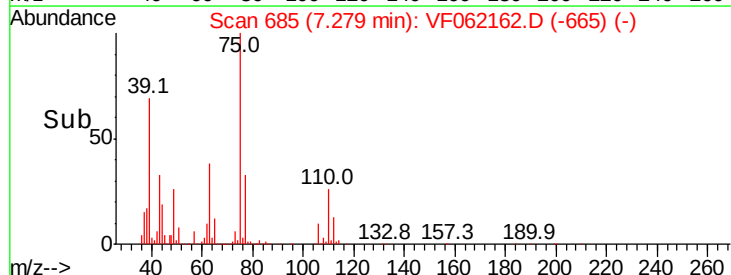
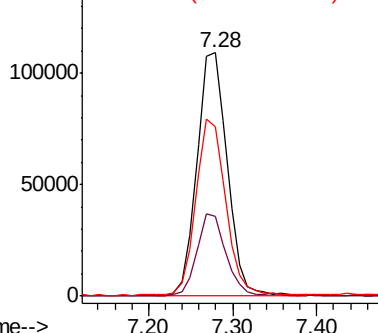
39 69.6 55.0 82.4

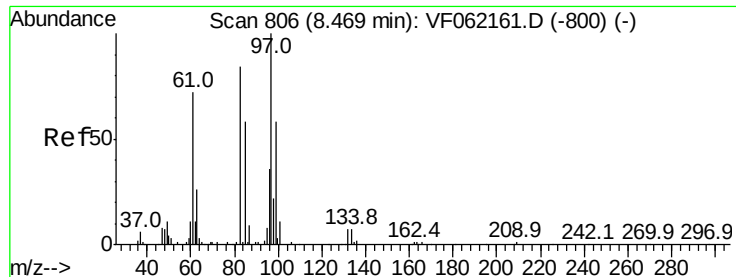


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 65.764 ug/l

RT: 8.46 min Scan# 805

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 98335

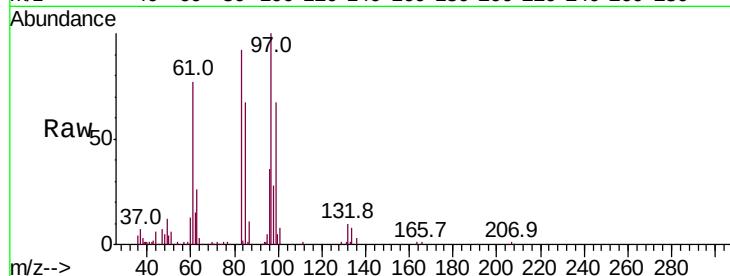
Ion	Ratio	Lower	Upper
97	100		
83	92.3	67.4	101.0
85	66.6	46.6	70.0
99	66.9	46.5	69.7

97 100

83 92.3 67.4 101.0

85 66.6 46.6 70.0

99 66.9 46.5 69.7



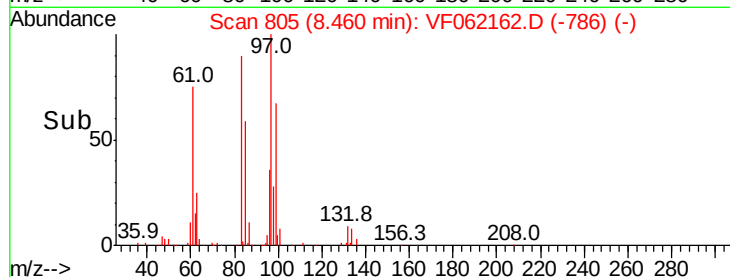
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

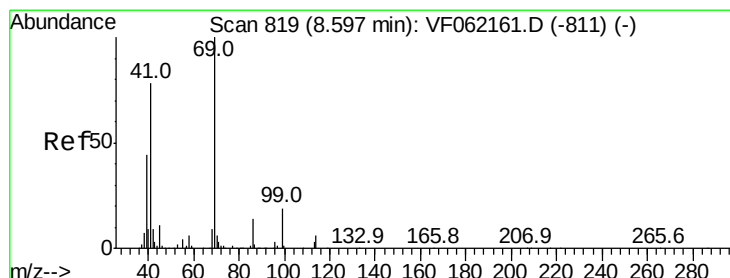
Ion 98.95 (98.65 to 99.65): VF0

Time-->



Abundance

Time-->



#56

Ethyl methacrylate

Concen: 78.218 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

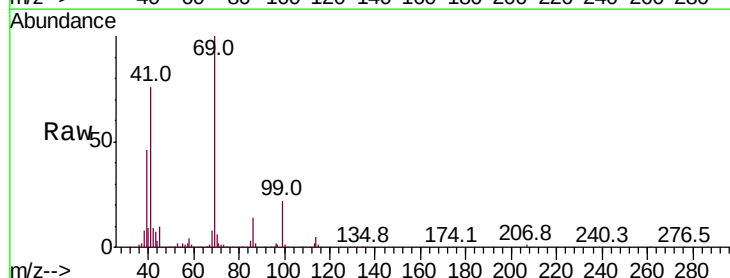
Tgt Ion: 69 Resp: 142293

Ion	Ratio	Lower	Upper
69	100		
41	76.3	63.0	94.4
39	46.0	36.1	54.1

69 100

41 76.3 63.0 94.4

39 46.0 36.1 54.1

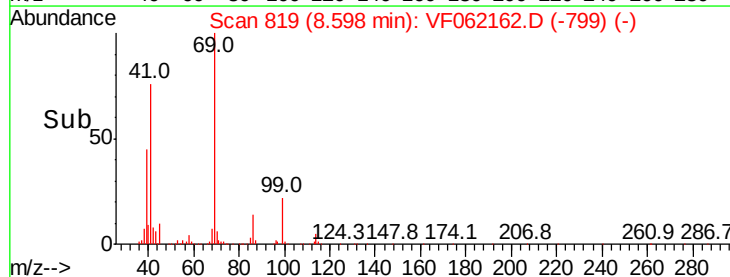


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

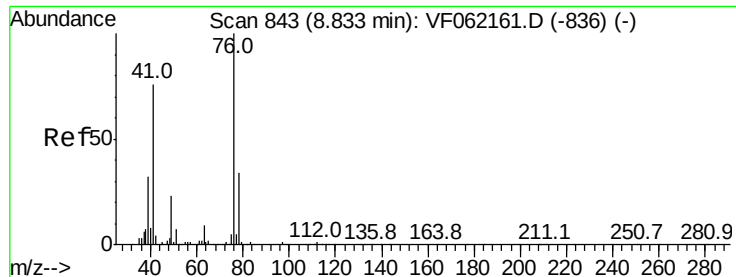
Ion 39.00 (38.70 to 39.70): VF0

Time-->



Abundance

Time-->



#57

1,3-Dichloropropane

Concen: 76.426 ug/l

RT: 8.82 min Scan# 842

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

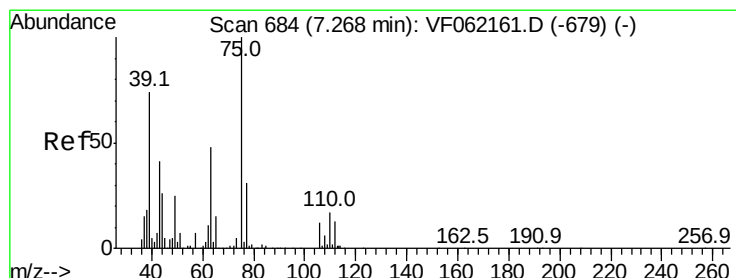
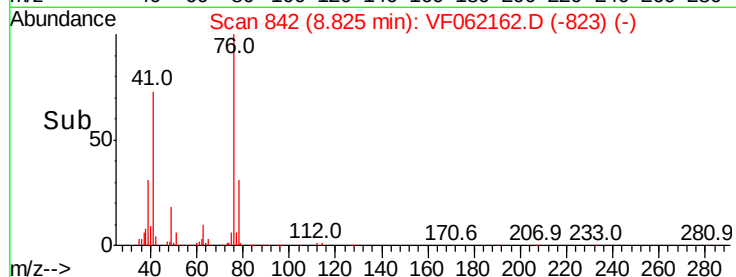
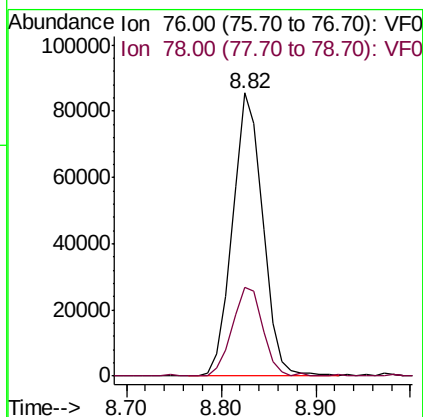
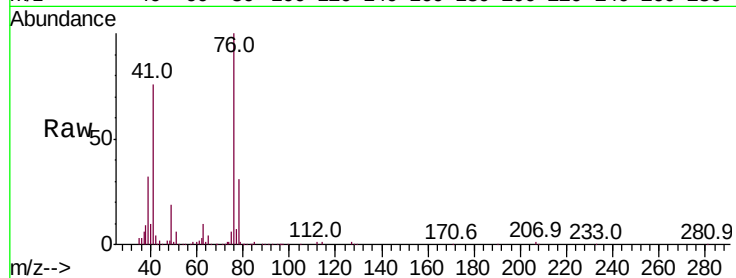
VSTDIC075

Tot Ion: 76 Resp: 189560

Ion Ratio Lower Upper

76 100

78 31.4 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 404.904 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062162.D

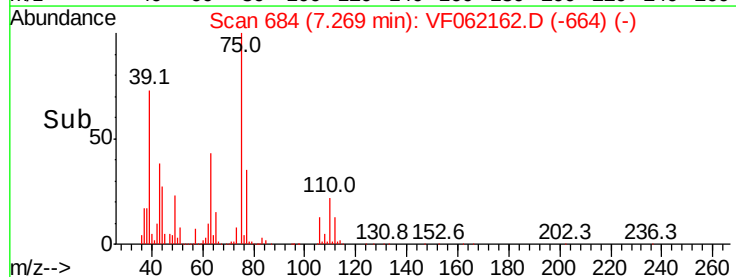
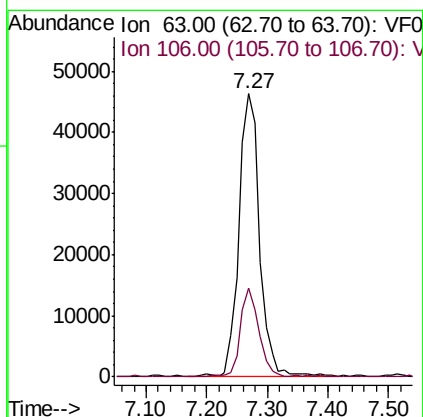
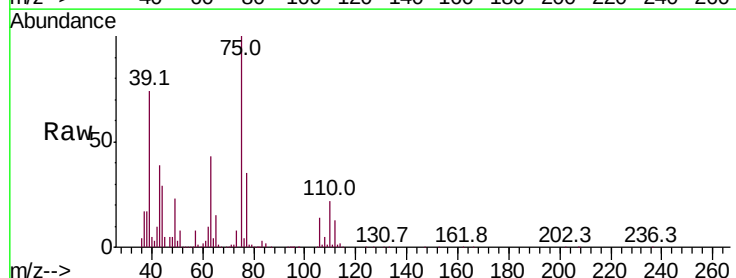
Acq: 4 Apr 2019 17:35

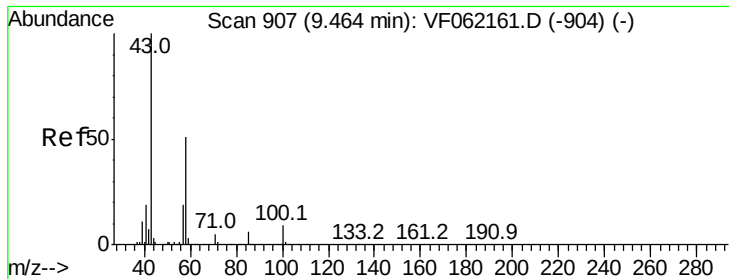
Tgt Ion: 63 Resp: 110613

Ion Ratio Lower Upper

63 100

106 31.4 20.6 31.0#

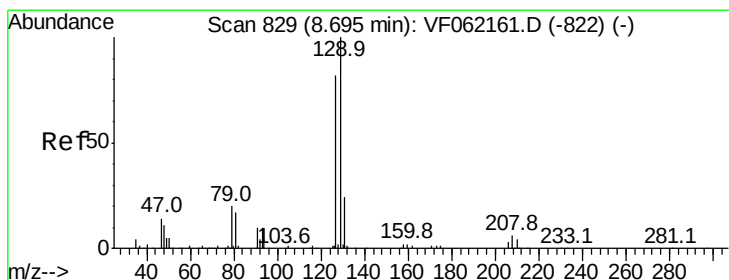
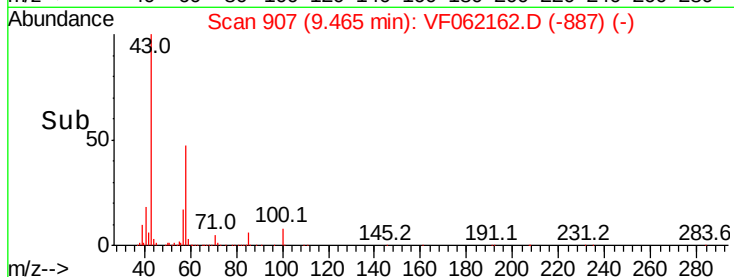
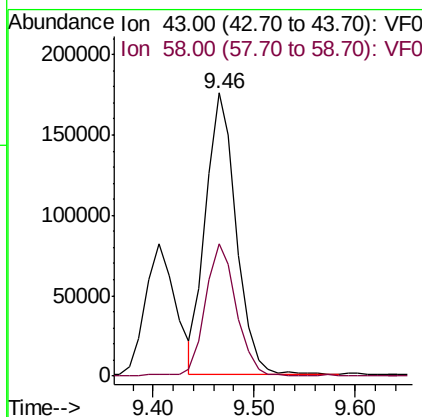
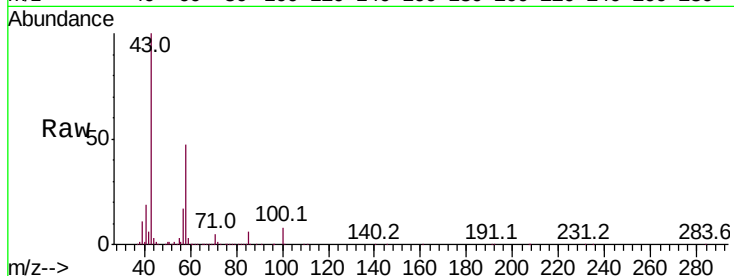




#59
2-Hexanone
Concen: 410.188 ug/l
RT: 9.46 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

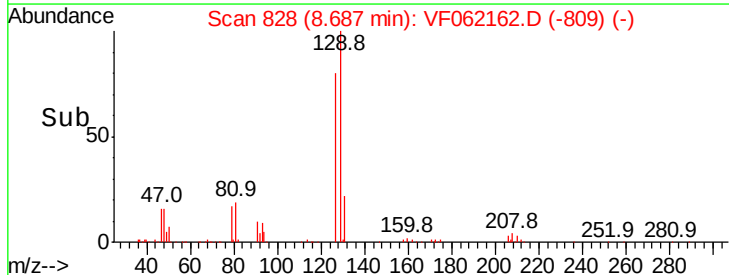
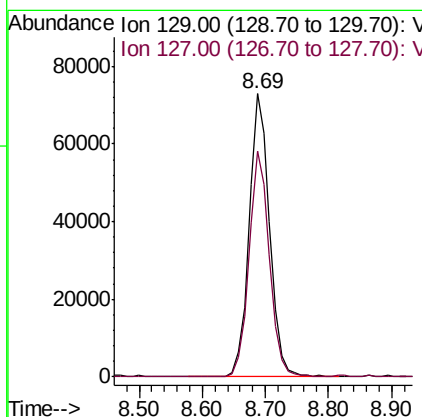
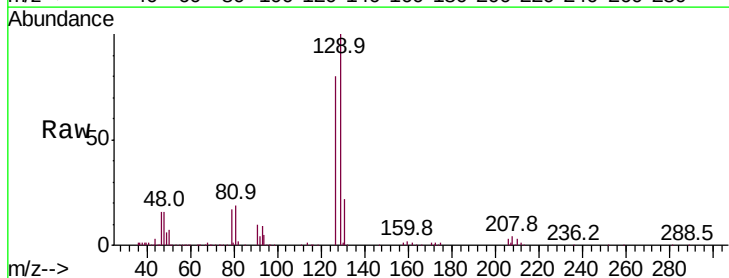
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

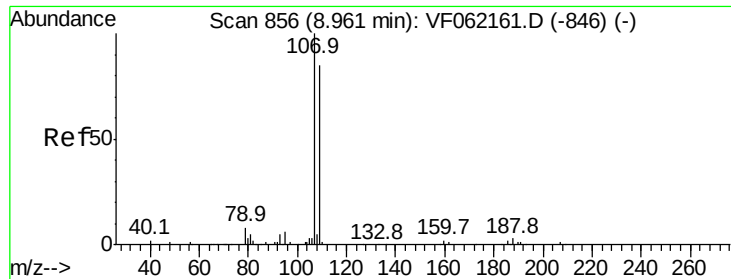
Tot Ion: 43 Resp: 369019
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.9



#60
Dibromochloromethane
Concen: 78.265 ug/l
RT: 8.69 min Scan# 828
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion: 129 Resp: 164878
Ion Ratio Lower Upper
129 100
127 79.9 40.9 122.7





#61

1,2-Dibromoethane

Concen: 72.873 ug/l

RT: 8.96 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

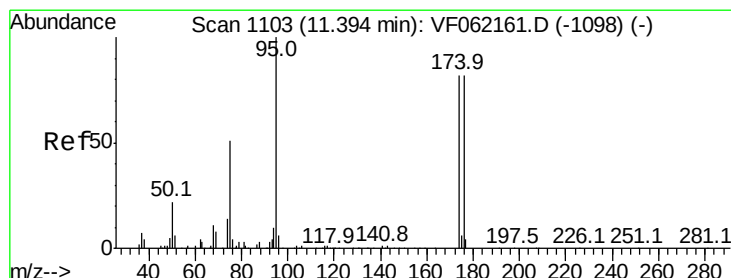
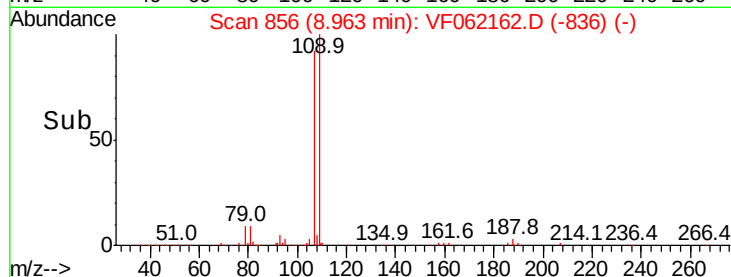
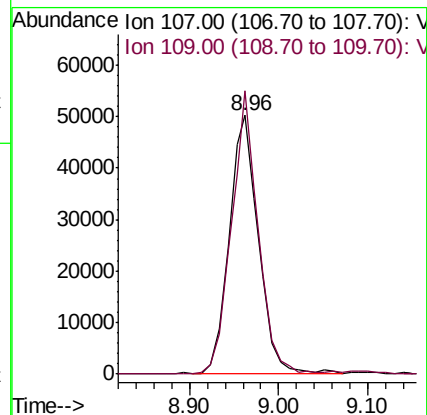
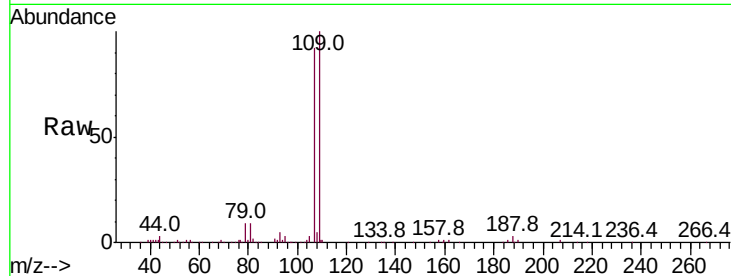
VSTDIC075

Tot Ion:107 Resp: 116124

Ion Ratio Lower Upper

107 100

109 109.4 68.4 102.6#



#62

4-Bromofluorobenzene

Concen: 78.523 ug/l

RT: 11.40 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

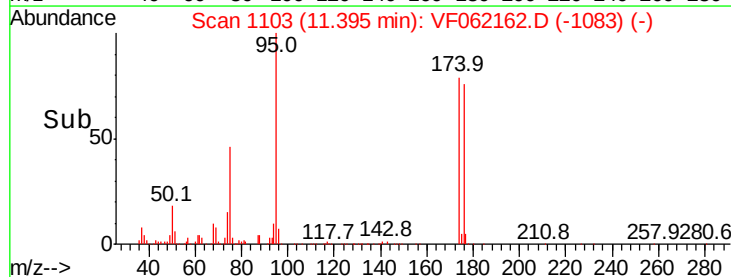
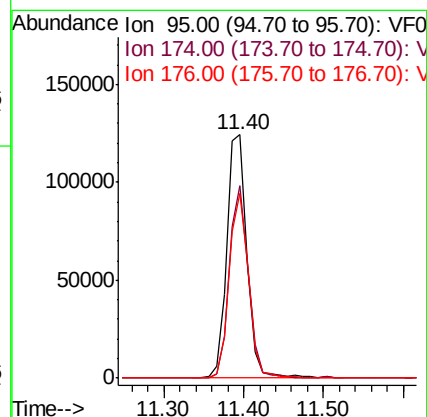
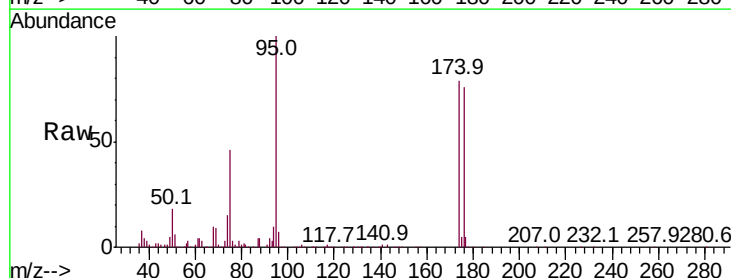
Tgt Ion: 95 Resp: 223804

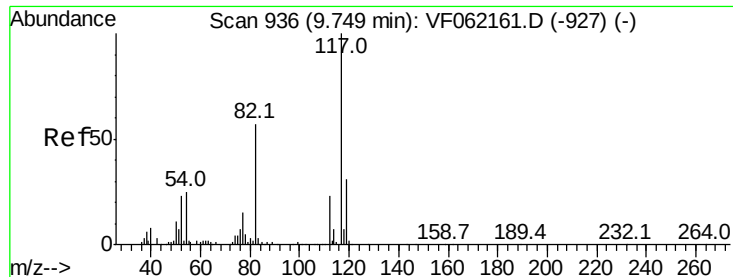
Ion Ratio Lower Upper

95 100

174 79.0 0.0 164.8

176 76.0 0.0 164.6

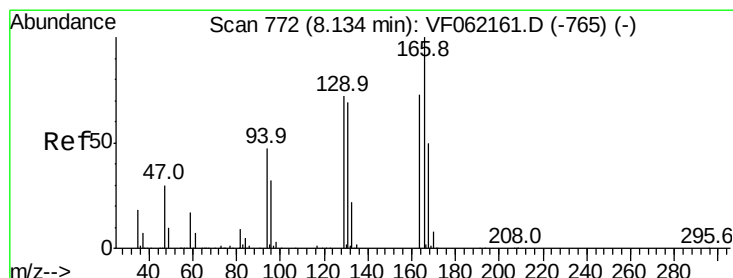
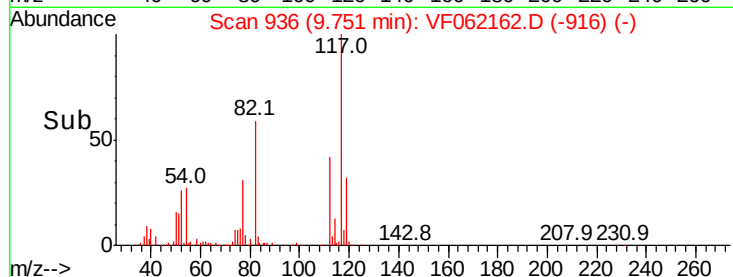
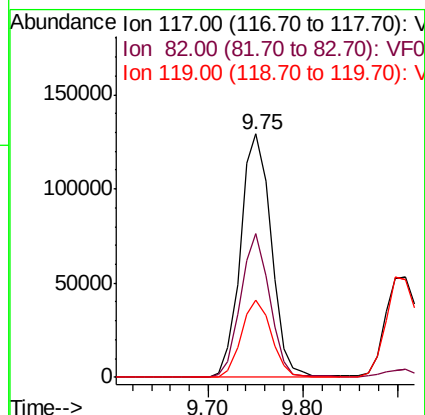
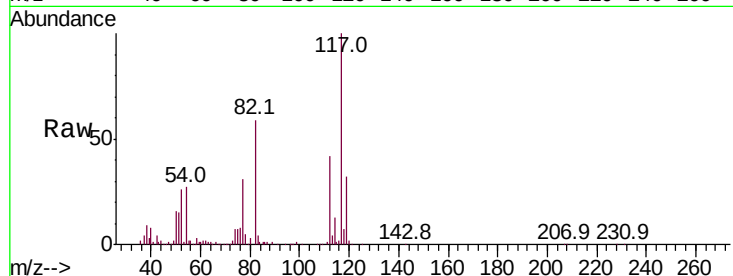




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

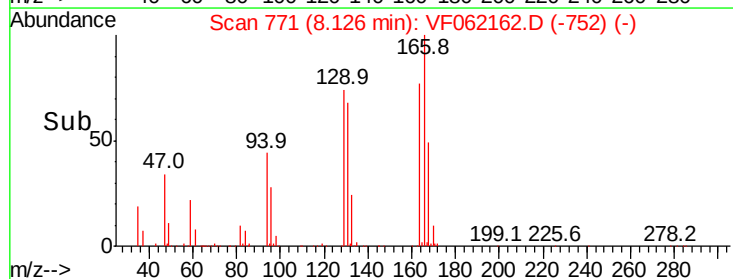
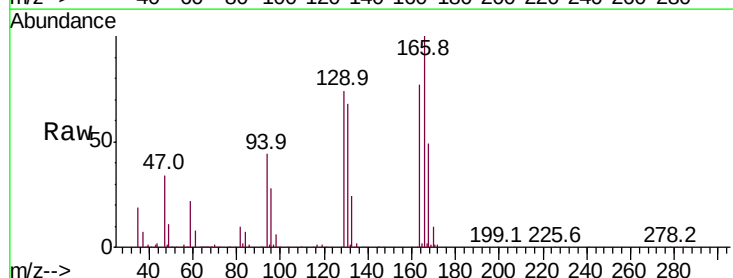
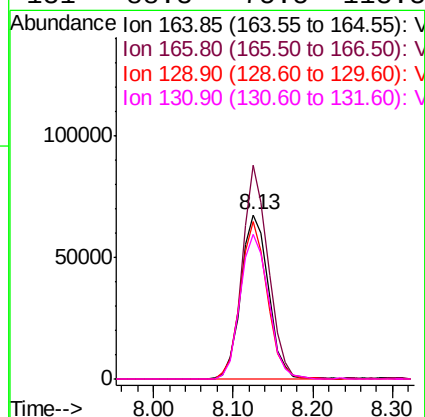
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

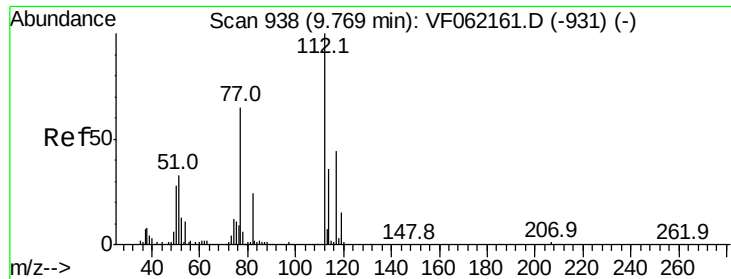
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	45.5	68.3
119	31.7	24.9	37.3



#64
Tetrachloroethene
Concen: 71.995 ug/l
RT: 8.13 min Scan# 771
Delta R.T. -0.01 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	110.2	165.2
129	95.8	79.0	118.6
131	88.3	75.5	113.3

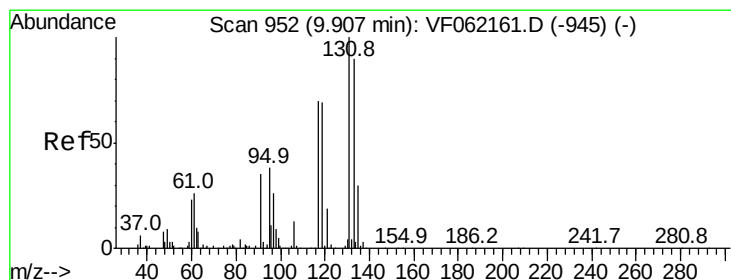
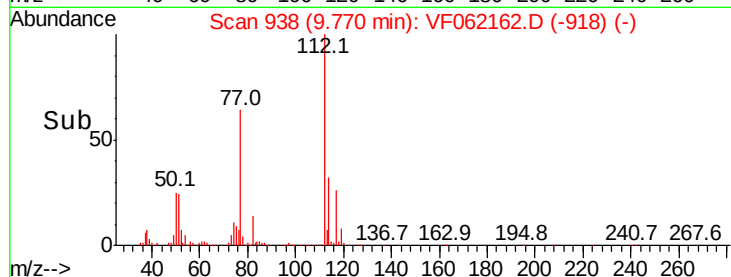
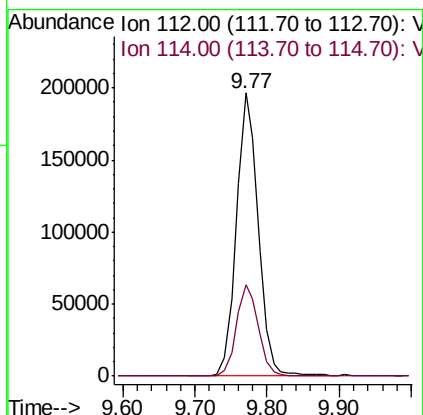
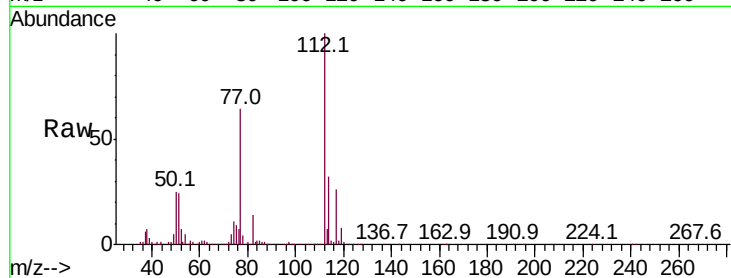




#65
Chlorobenzene
Concen: 75.832 ug/l
RT: 9.77 min Scan# 938
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

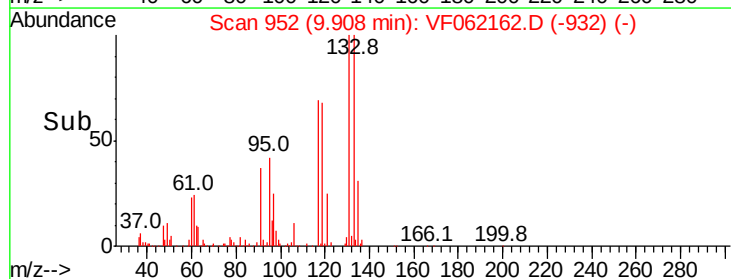
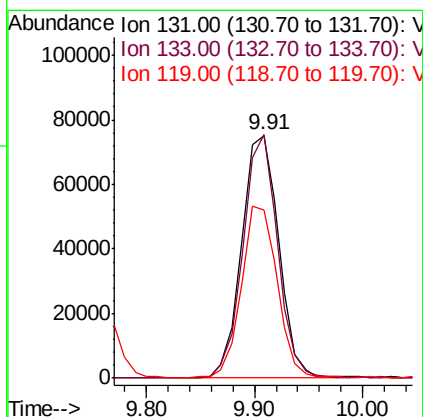
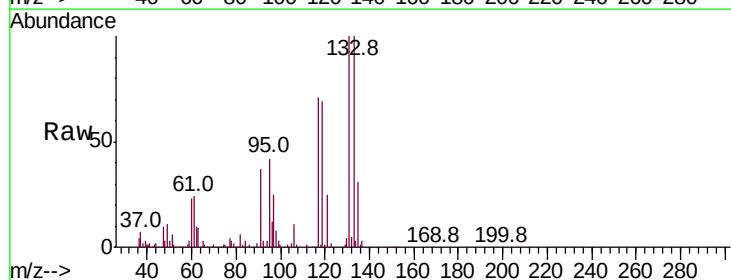
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

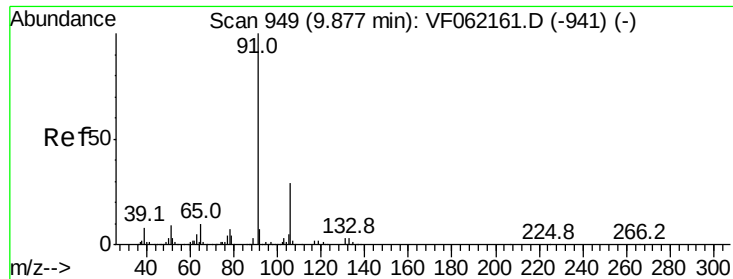
Tot Ion:112 Resp: 416530
Ion Ratio Lower Upper
112 100
114 32.1 28.6 43.0



#66
1,1,1,2-Tetrachloroethane
Concen: 80.131 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion:131 Resp: 179617
Ion Ratio Lower Upper
131 100
133 100.4 45.1 135.3
119 69.1 34.9 104.7





#67

Ethyl Benzene

Concen: 80.113 ug/l

RT: 9.88 min Scan# 949

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

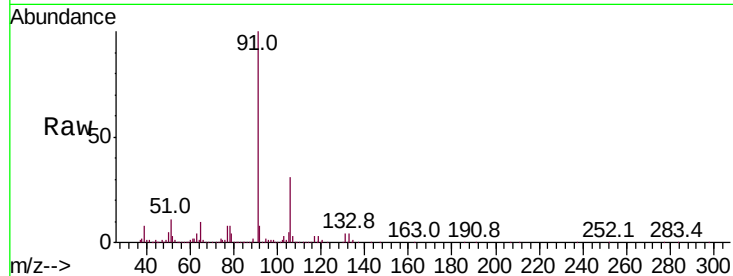
VSTDIC075

Tot Ion: 91 Resp: 782789

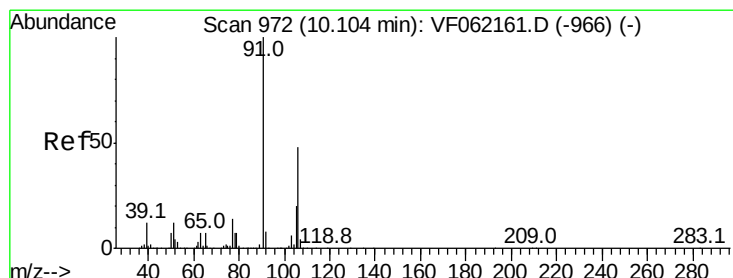
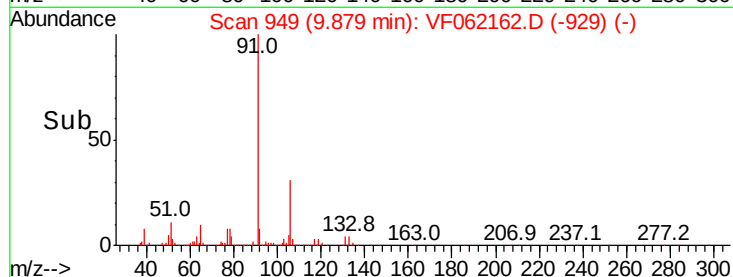
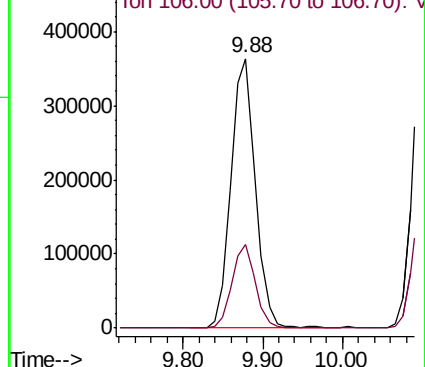
Ion Ratio Lower Upper

91 100

106 31.0 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 152.185 ug/l

RT: 10.11 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062162.D

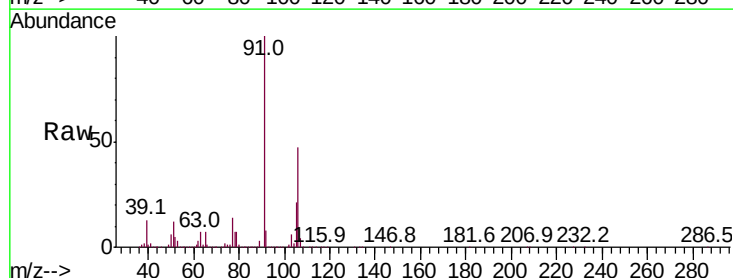
Acq: 4 Apr 2019 17:35

Tgt Ion:106 Resp: 553320

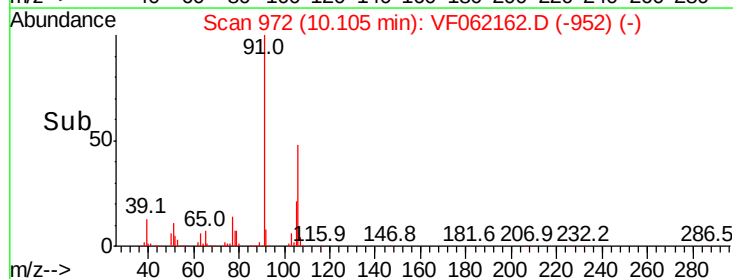
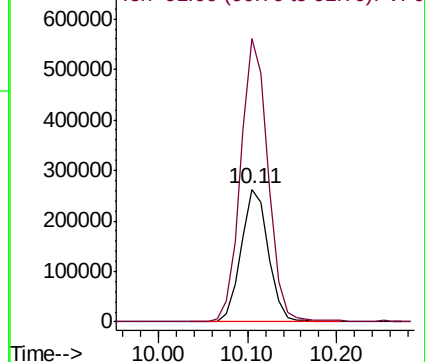
Ion Ratio Lower Upper

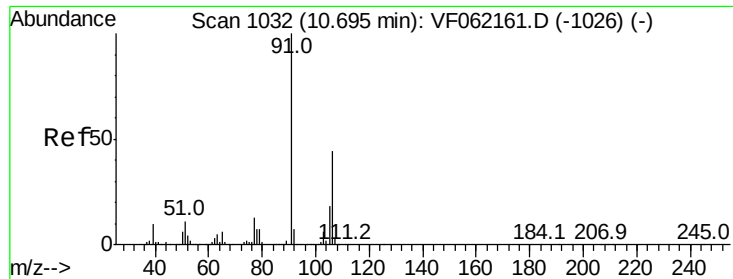
106 100

91 213.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

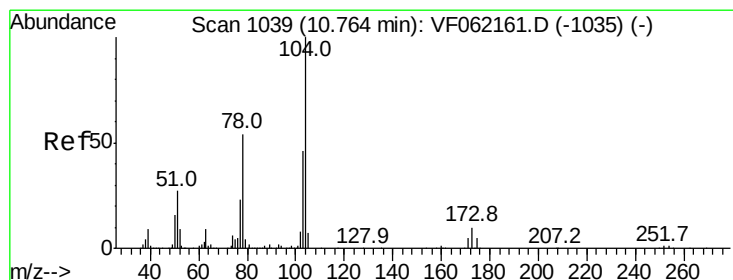
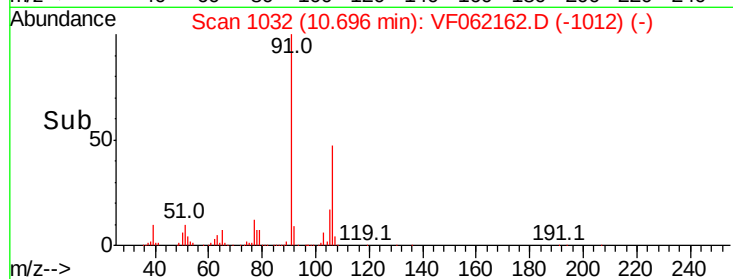
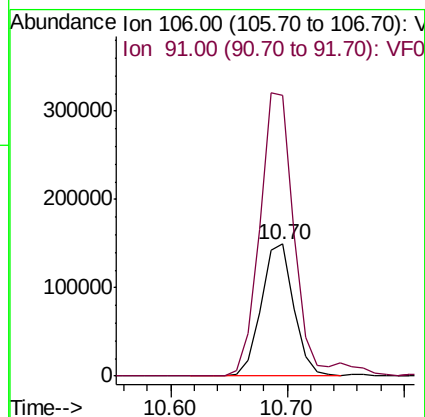
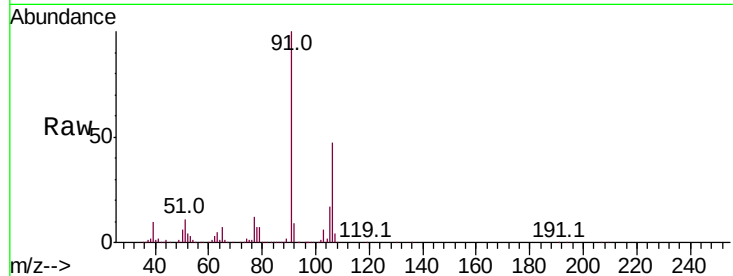




#69
o-Xylene
Concen: 77.412 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

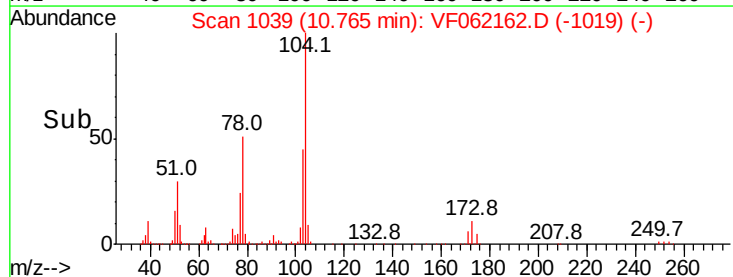
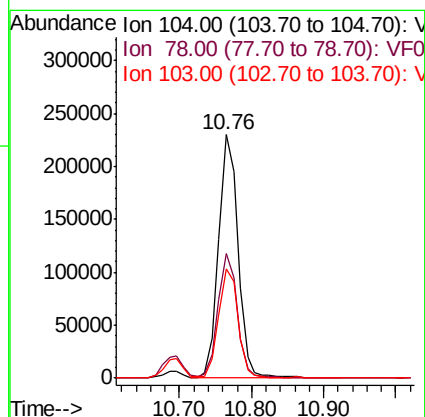
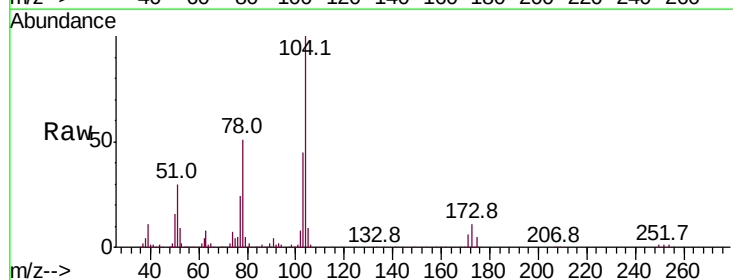
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

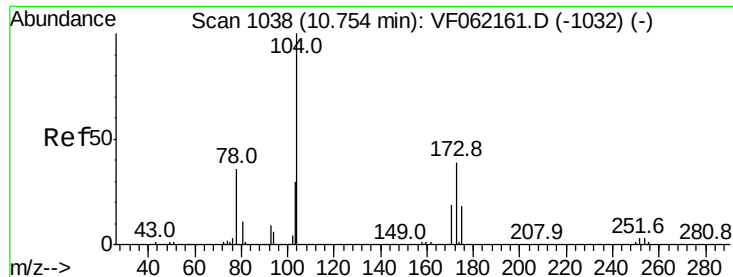
Tot Ion:106 Resp: 288302
Ion Ratio Lower Upper
106 100
91 212.8 113.3 340.1



#70
Styrene
Concen: 73.730 ug/l
RT: 10.76 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion:104 Resp: 423910
Ion Ratio Lower Upper
104 100
78 51.4 43.1 64.7
103 44.7 37.0 55.6





#71

Bromoform

Concen: 81.541 ug/l

RT: 10.76 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

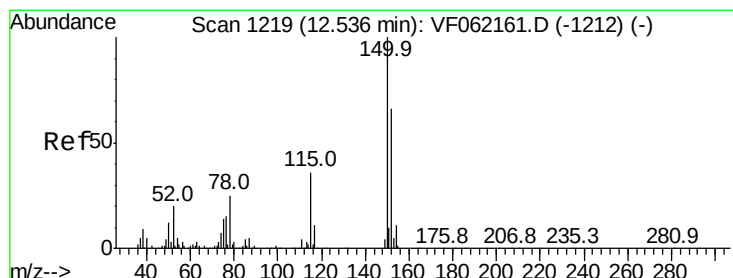
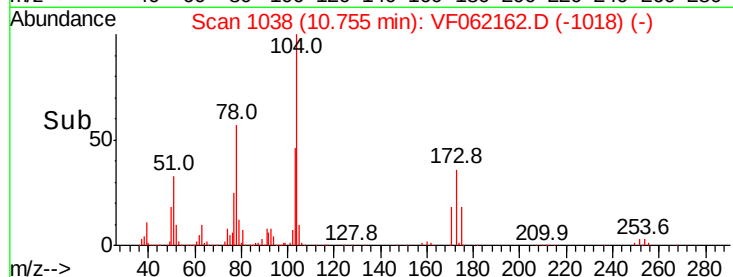
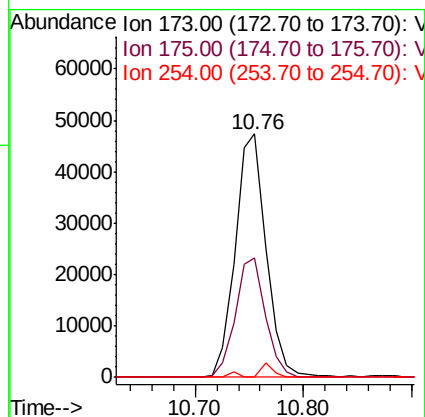
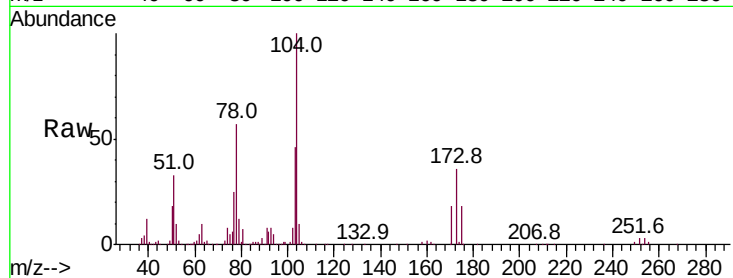
Tot Ion:173 Resp: 93848

Ion Ratio Lower Upper

173 100

175 49.5 22.9 68.7

254 0.0 6.7 10.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

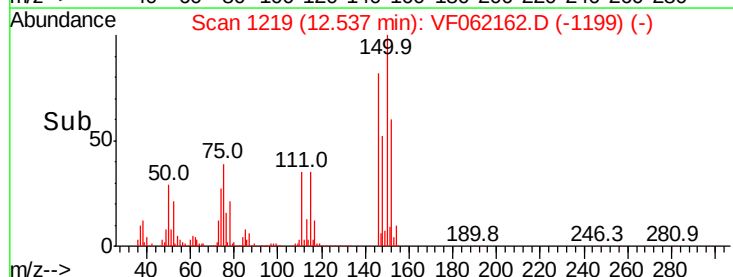
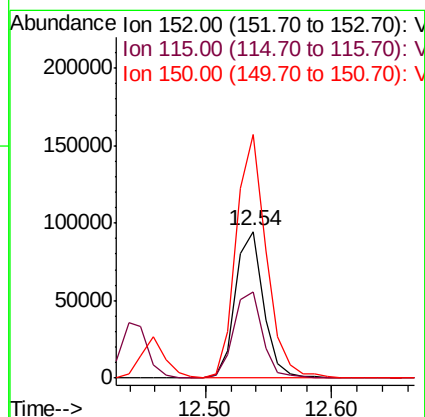
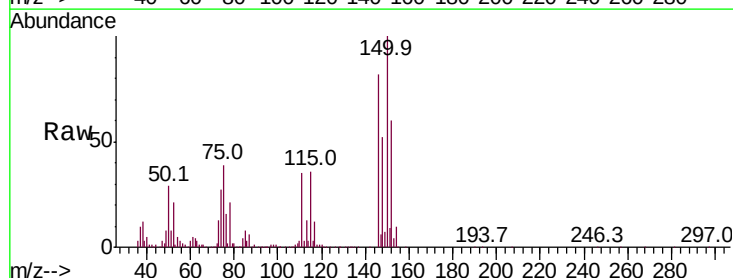
Tgt Ion:152 Resp: 145588

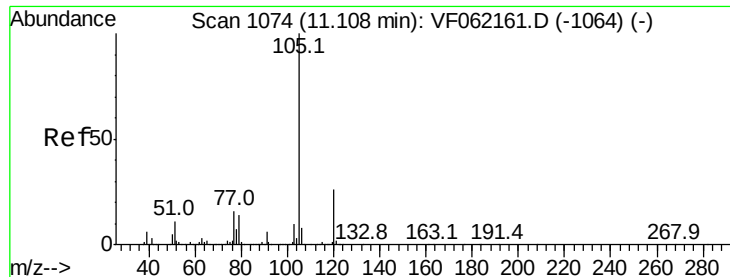
Ion Ratio Lower Upper

152 100

115 59.0 28.3 84.9

150 165.9 0.0 322.6





#73

Isopropylbenzene

Concen: 83.910 ug/l

RT: 11.10 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

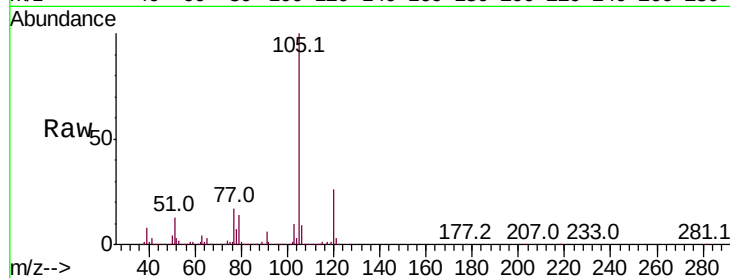
VSTDIC075

Tot Ion:105 Resp: 873362

Ion Ratio Lower Upper

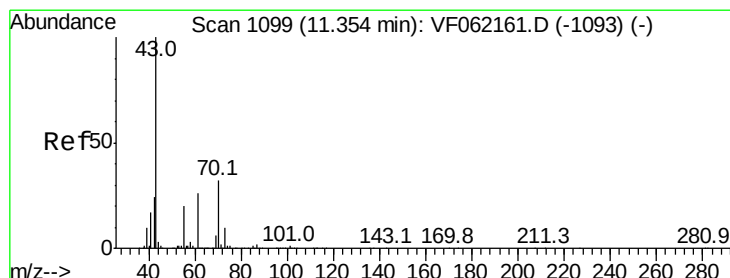
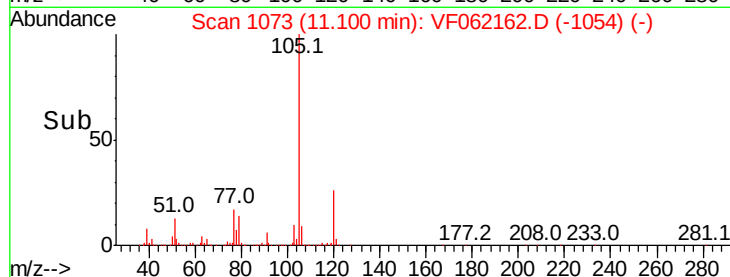
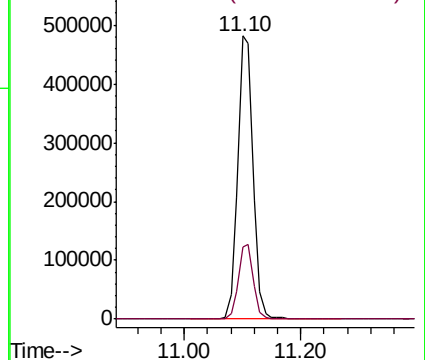
105 100

120 25.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 93.606 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Tgt Ion: 43 Resp: 236380

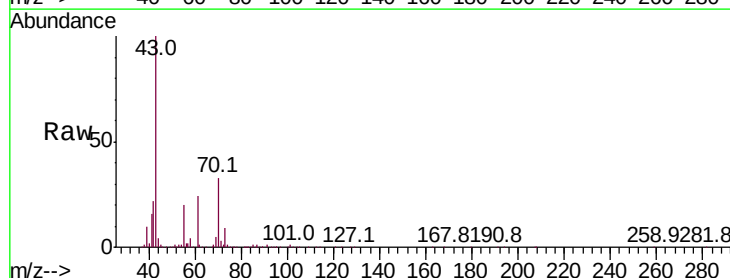
Ion Ratio Lower Upper

43 100

70 33.2 25.9 38.9

55 20.1 16.3 24.5

61 24.2 20.8 31.2

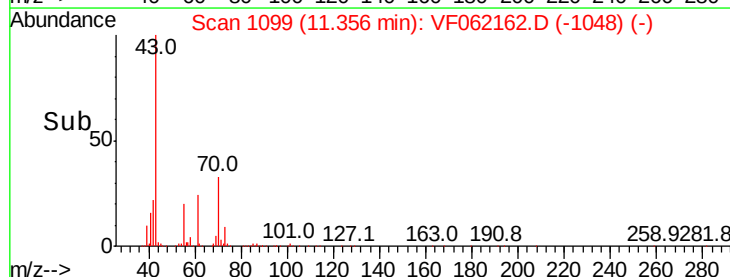
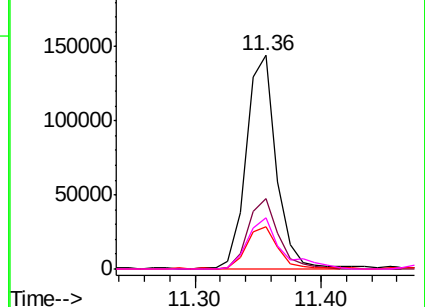


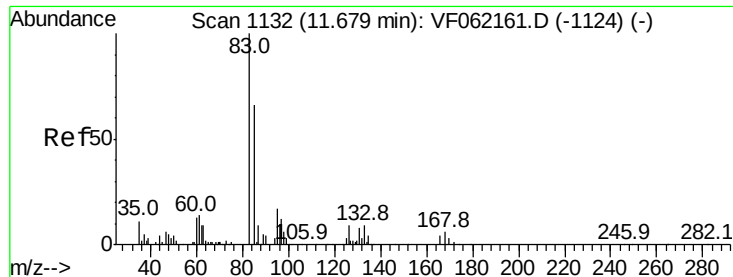
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 77.186 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

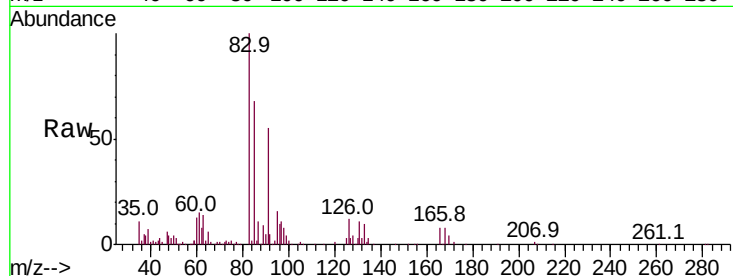
Tot Ion: 83 Resp: 135020

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.3	12.8
85	67.6	33.1	99.2

83 100

131 10.6 4.3 12.8

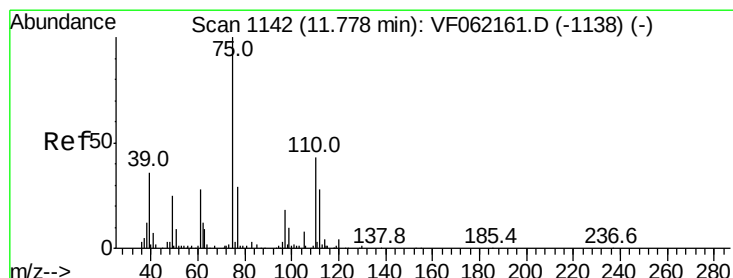
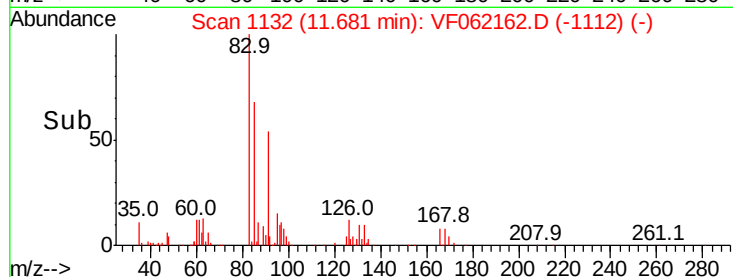
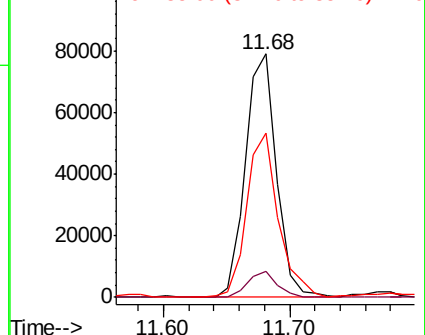
85 67.6 33.1 99.2



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: 83.342 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062162.D

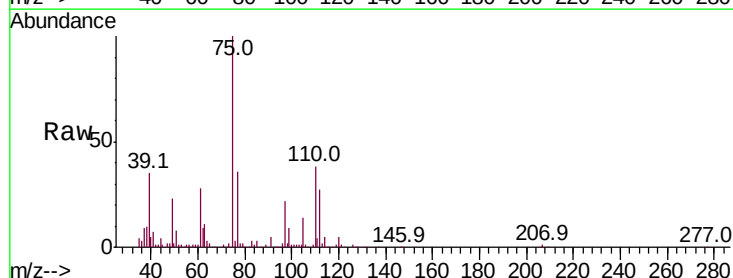
Acq: 4 Apr 2019 17:35

Tgt Ion: 75 Resp: 106111

Ion	Ratio	Lower	Upper
75	100		
77	35.7	15.0	45.0

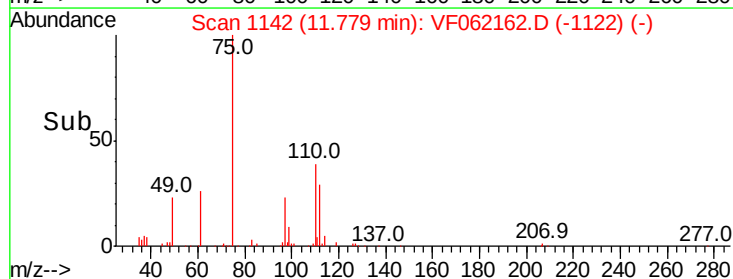
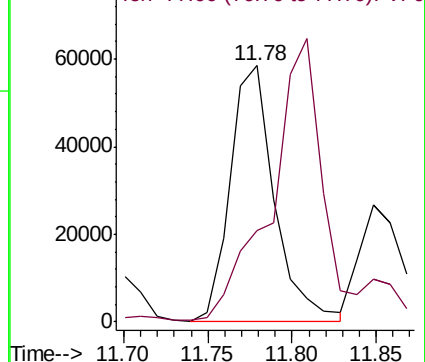
75 100

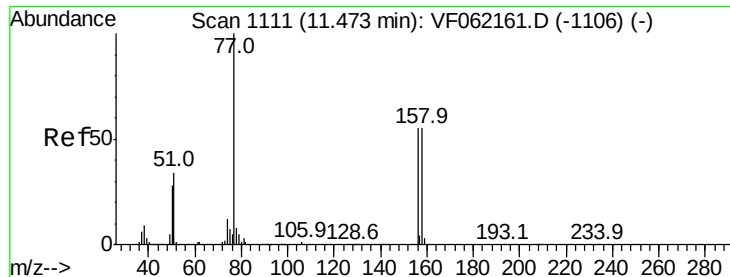
77 35.7 15.0 45.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 71.327 ug/l

RT: 11.47 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

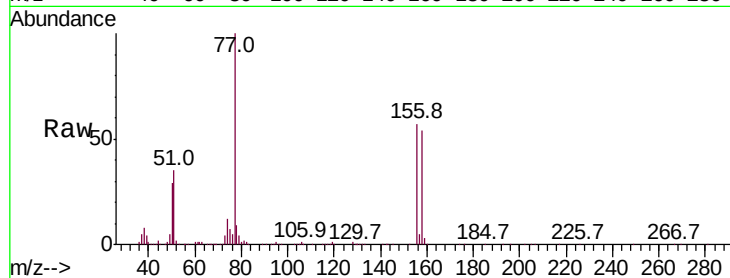
Tot Ion:156 Resp: 178897

Ion Ratio Lower Upper

156 100

77 176.2 91.0 272.8

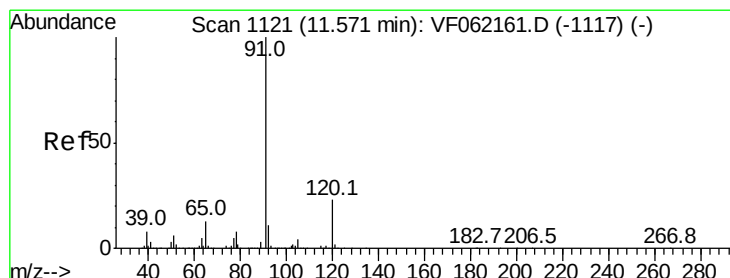
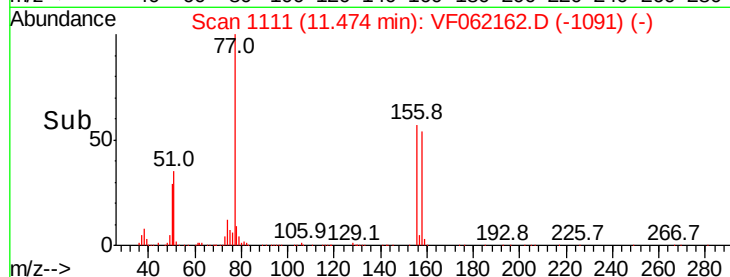
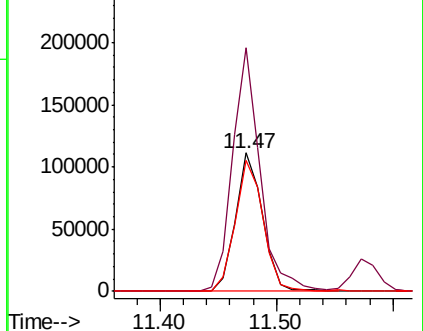
158 94.8 49.7 149.1



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: 78.119 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062162.D

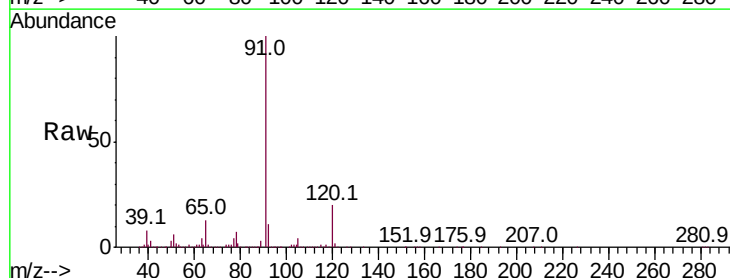
Acq: 4 Apr 2019 17:35

Tgt Ion: 91 Resp: 955811

Ion Ratio Lower Upper

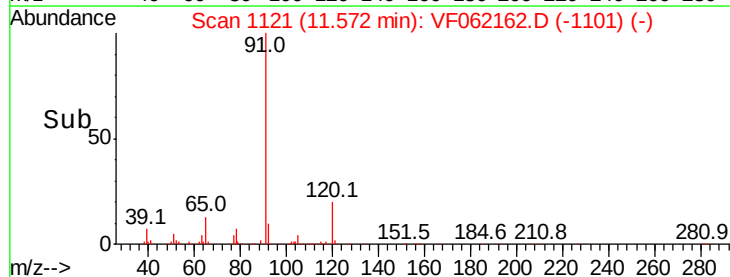
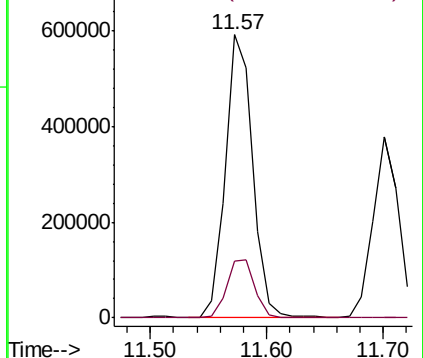
91 100

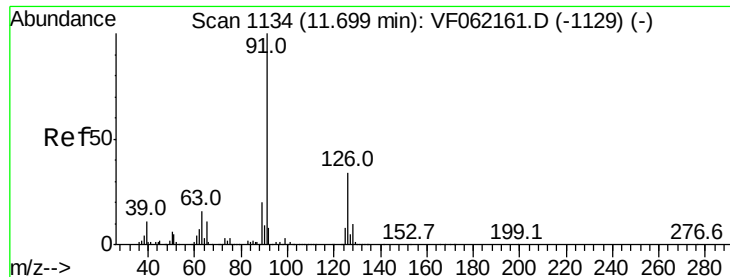
120 20.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 84.369 ug/l

RT: 11.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

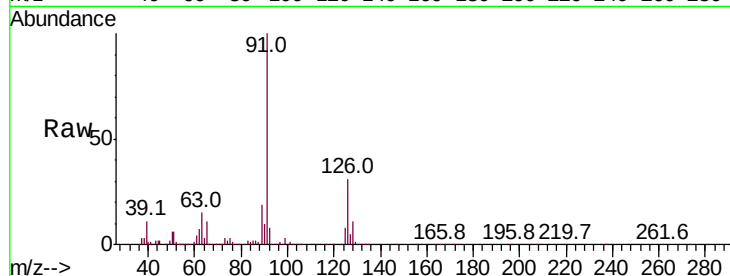
VSTDIC075

Tot Ion: 91 Resp: 572173

Ion Ratio Lower Upper

91 100

126 30.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.70

400000

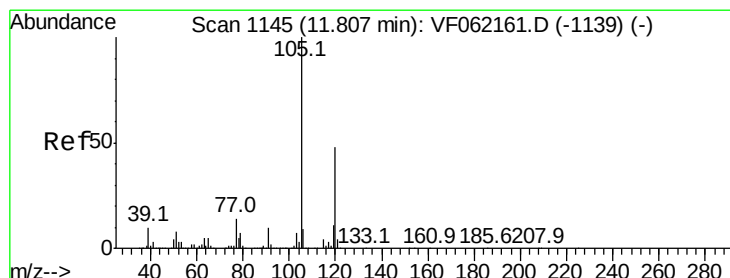
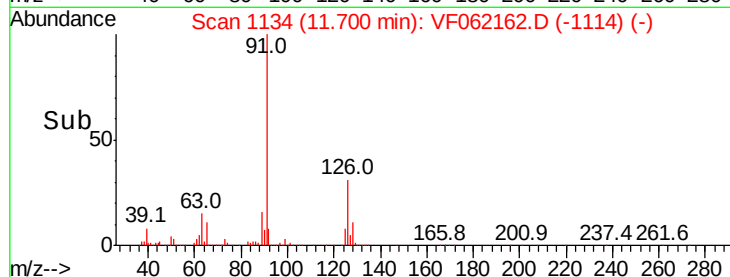
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 82.209 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF062162.D

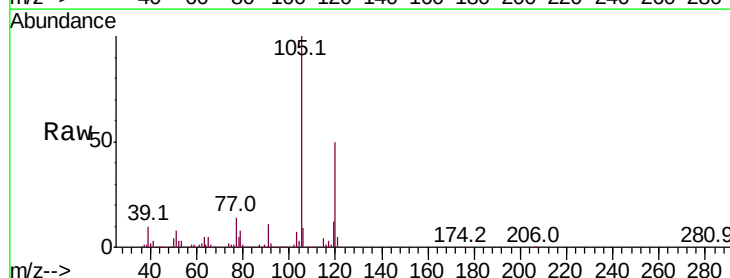
Acq: 4 Apr 2019 17:35

Tgt Ion:105 Resp: 715400

Ion Ratio Lower Upper

105 100

120 49.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

500000

400000

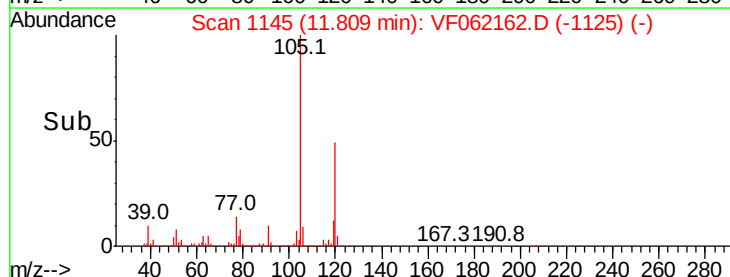
300000

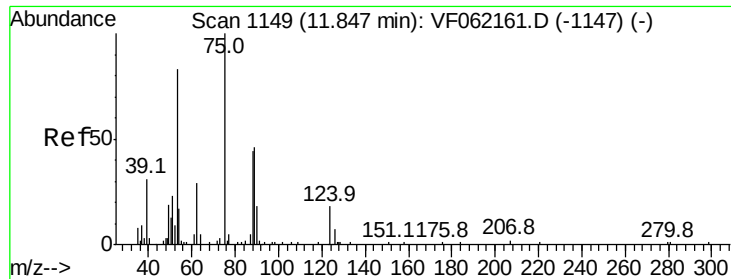
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 84.083 ug/l m

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

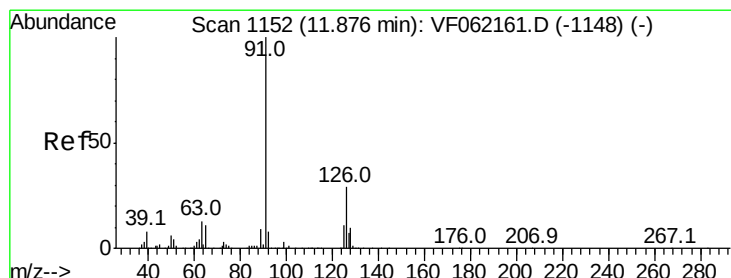
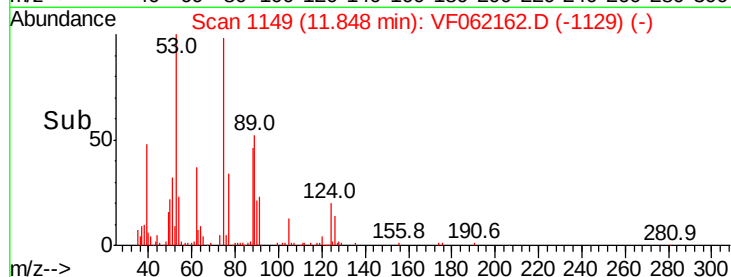
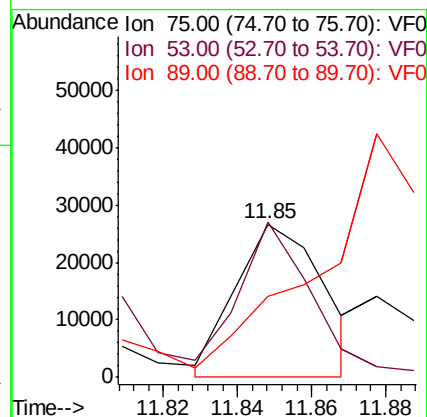
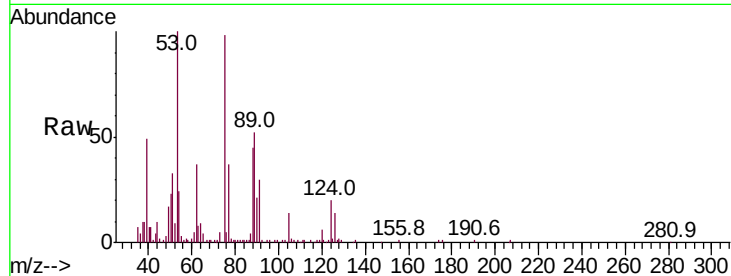
Tot Ion: 75 Resp: 43921

Ion Ratio Lower Upper

75 100

53 101.6 71.4 107.0

89 53.0 37.9 56.9



#82

4-Chlorotoluene

Concen: 78.141 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062162.D

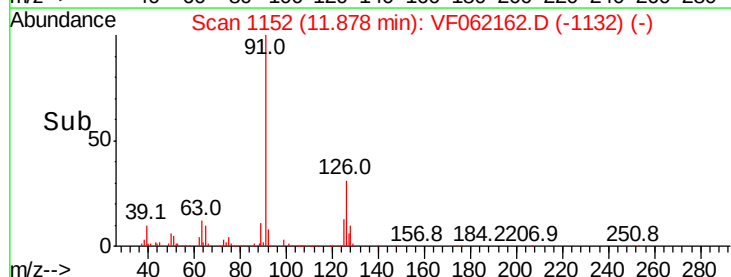
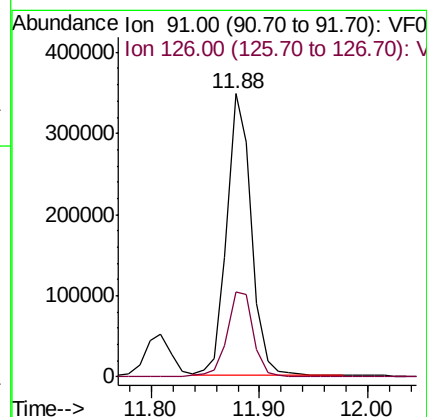
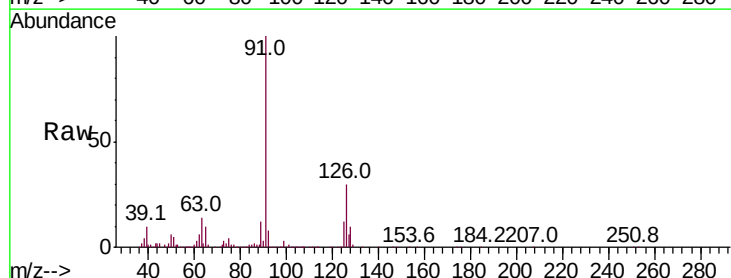
Acq: 4 Apr 2019 17:35

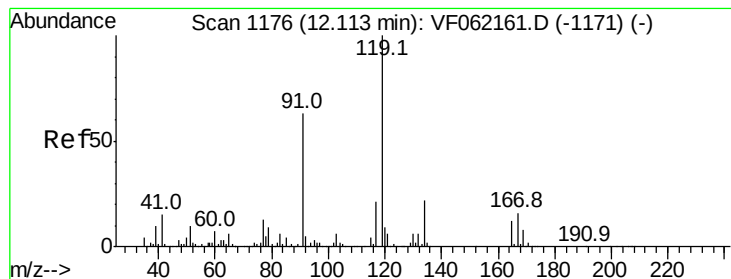
Tgt Ion: 91 Resp: 550098

Ion Ratio Lower Upper

91 100

126 29.9 14.2 42.8





#83

tert-Butylbenzene

Concen: 79.834 ug/l

RT: 12.11 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

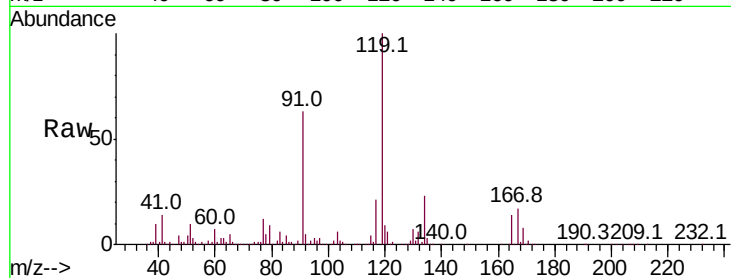
Tot Ion:119 Resp: 720535

Ion Ratio Lower Upper

119 100

91 62.8 31.6 94.7

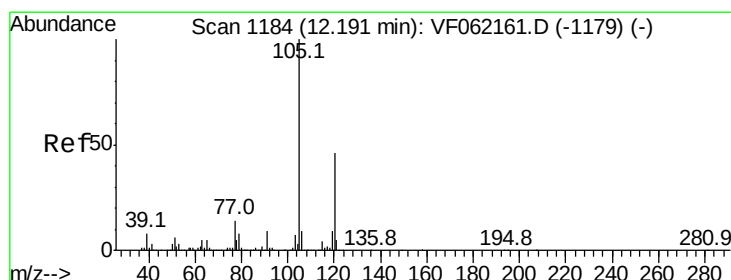
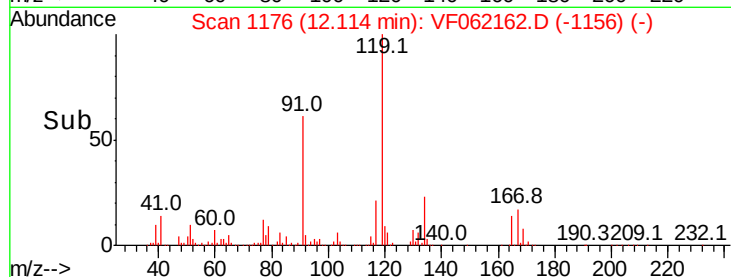
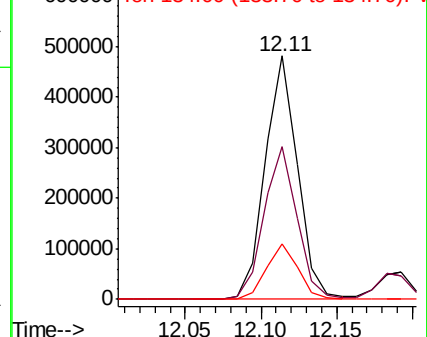
134 22.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 83.532 ug/l

RT: 12.18 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062162.D

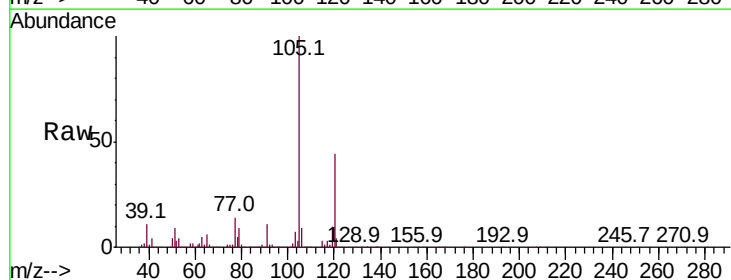
Acq: 4 Apr 2019 17:35

Tgt Ion:105 Resp: 710939

Ion Ratio Lower Upper

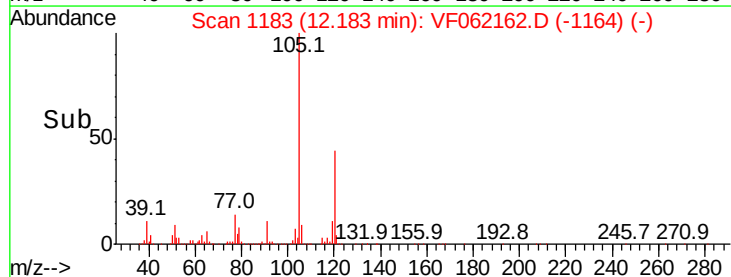
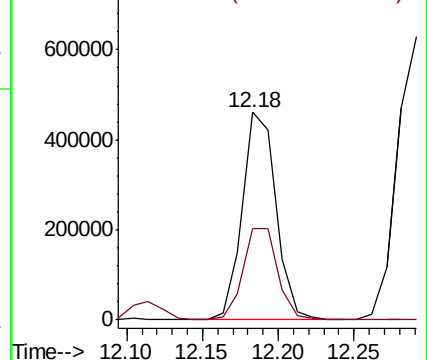
105 100

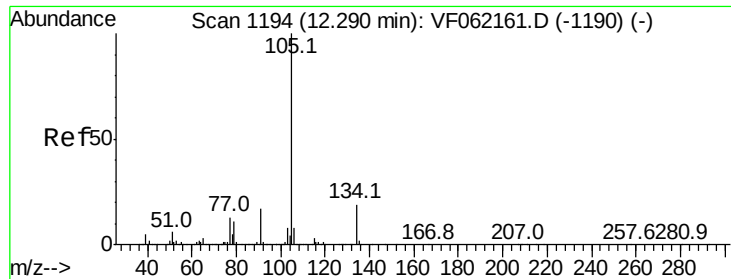
120 43.9 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 79.896 ug/l

RT: 12.29 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

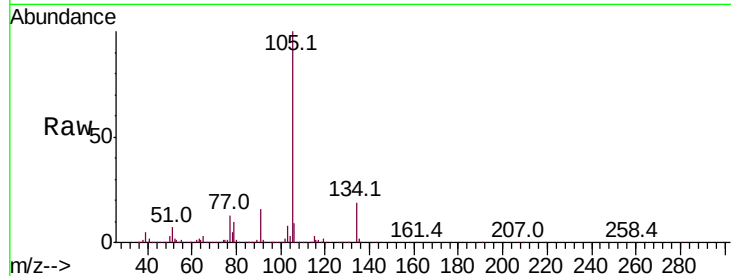
VSTDIC075

Tot Ion:105 Resp: 928971

Ion Ratio Lower Upper

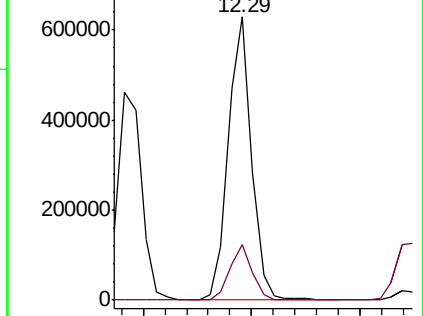
105 100

134 19.5 9.3 28.0

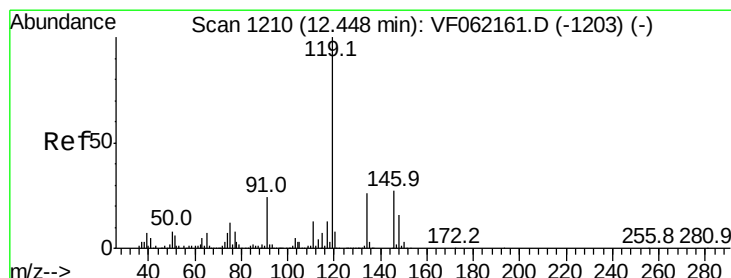
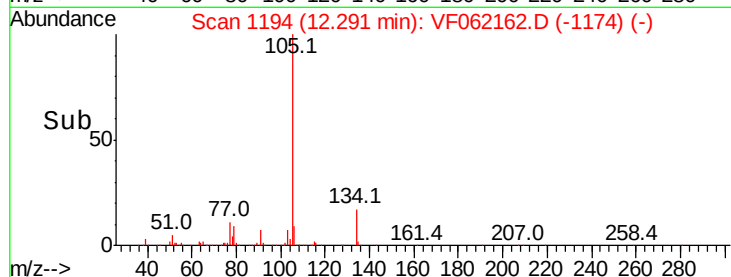


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 79.115 ug/l

RT: 12.44 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

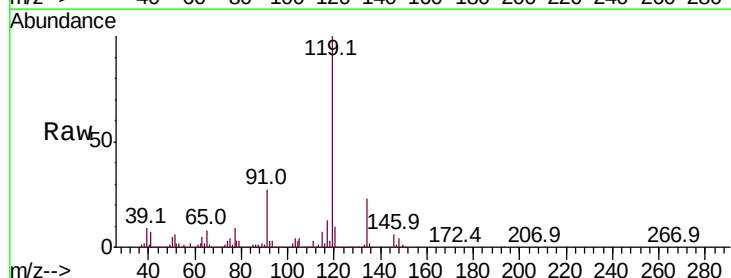
Tgt Ion:119 Resp: 810695

Ion Ratio Lower Upper

119 100

134 23.3 13.2 39.5

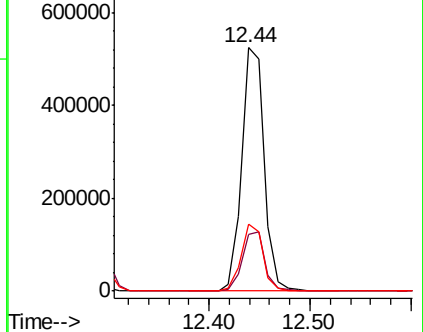
91 27.3 12.0 36.0



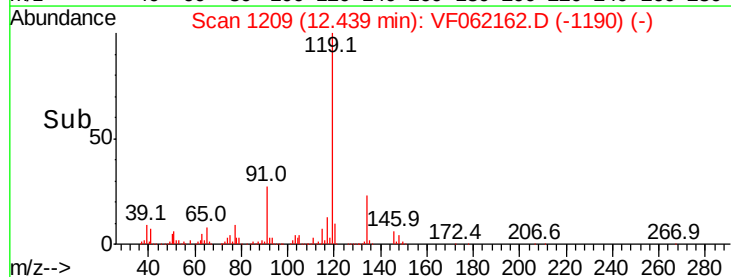
Abundance Ion 119.00 (118.70 to 119.70): V

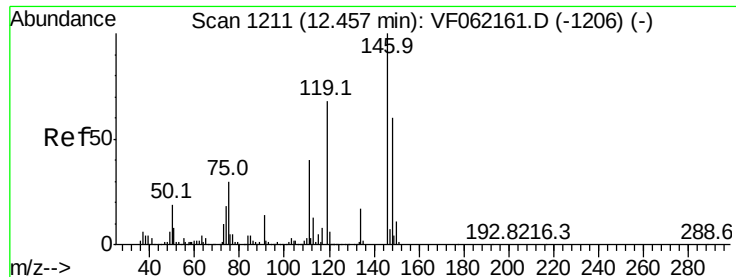
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#87

1,3-Dichlorobenzene

Concen: 71.689 ug/l

RT: 12.46 min Scan# 1211

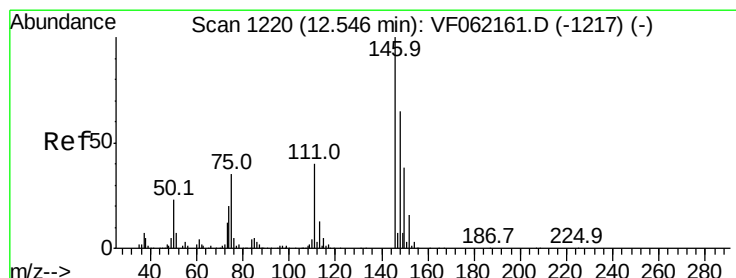
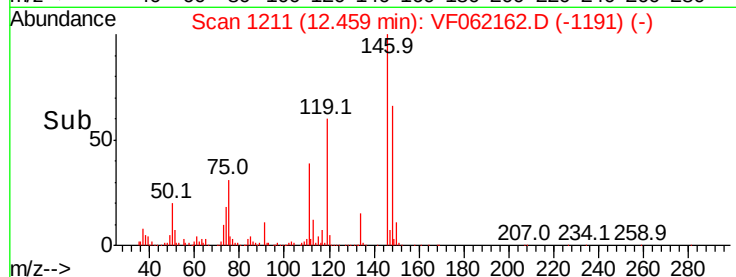
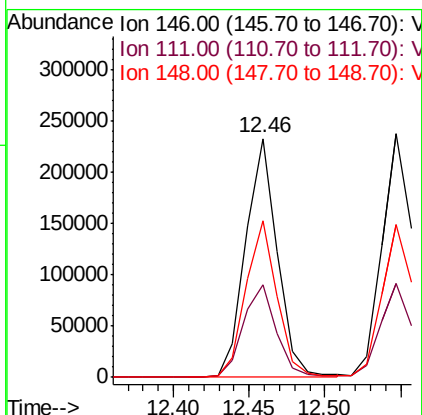
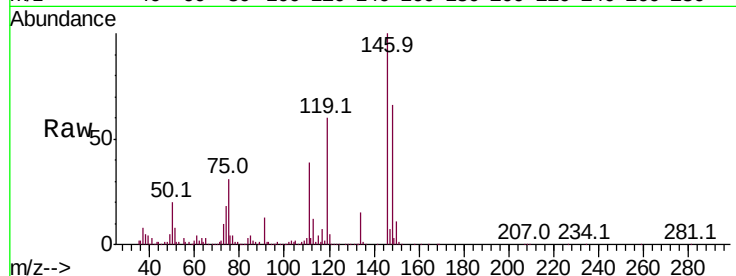
Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	65.9	30.0	90.0



#88

1,4-Dichlorobenzene

Concen: 75.161 ug/l

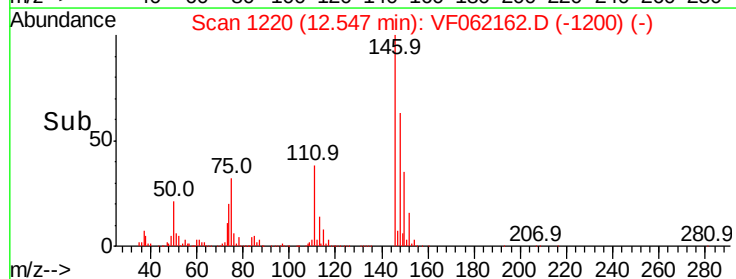
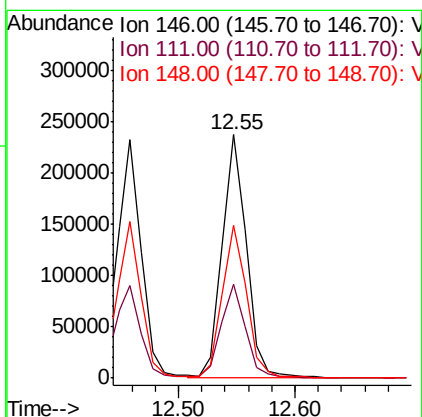
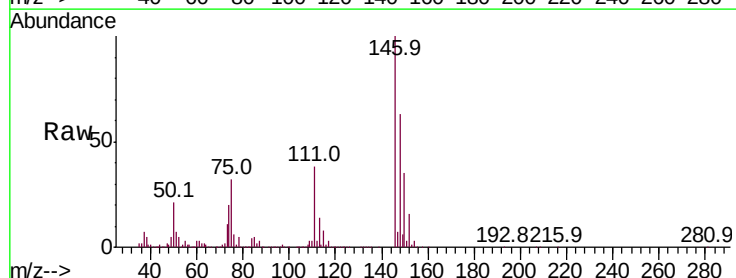
RT: 12.55 min Scan# 1220

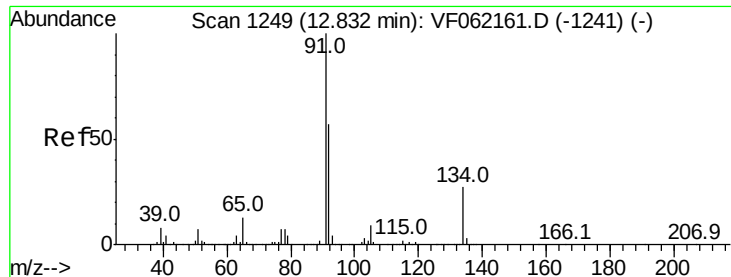
Delta R.T. 0.00 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.1	60.2
148	62.8	32.5	97.4





#89

n-Butylbenzene

Concen: 78.992 ug/l

RT: 12.82 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF062162.D

Acq: 4 Apr 2019 17:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

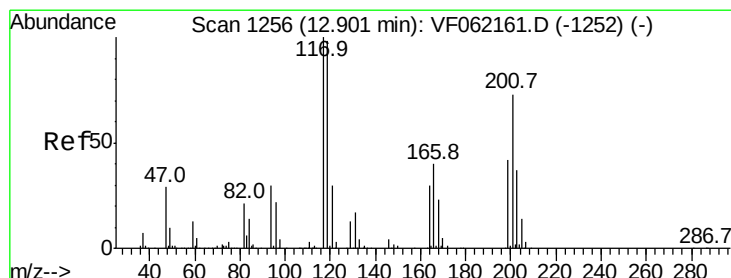
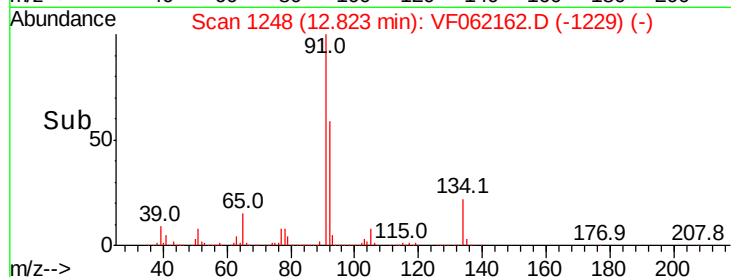
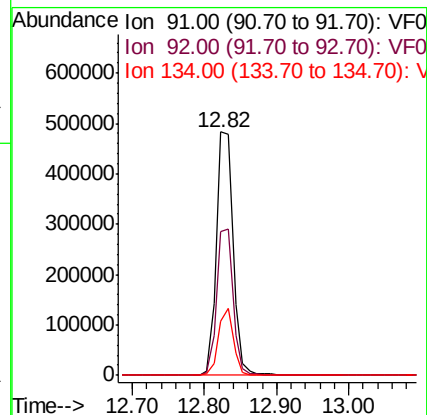
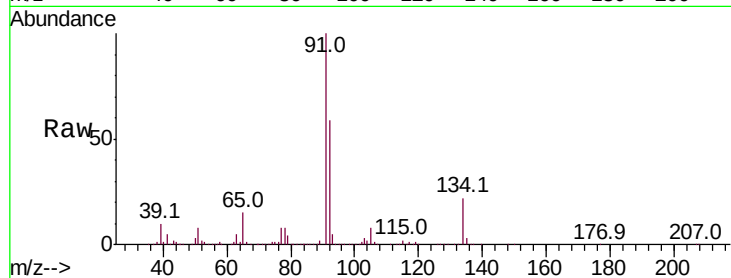
Tot Ion: 91 Resp: 767808

Ion Ratio Lower Upper

91 100

92 58.8 28.3 85.0

134 22.1 13.6 40.8



#90

Hexachloroethane

Concen: 80.841 ug/l

RT: 12.90 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062162.D

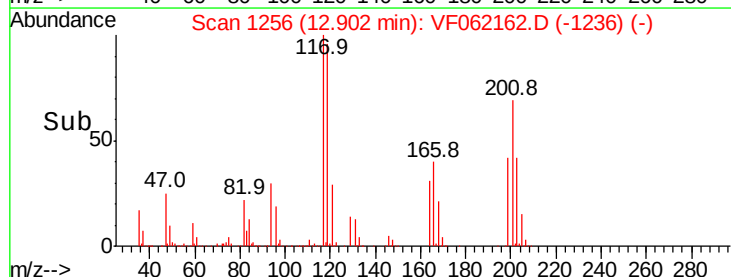
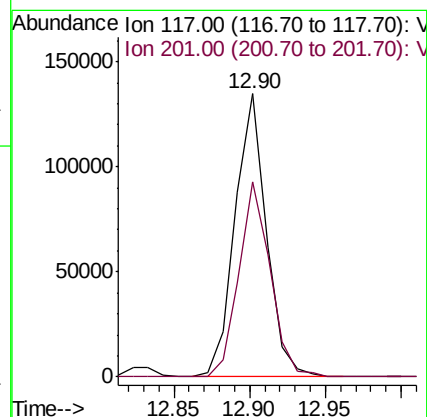
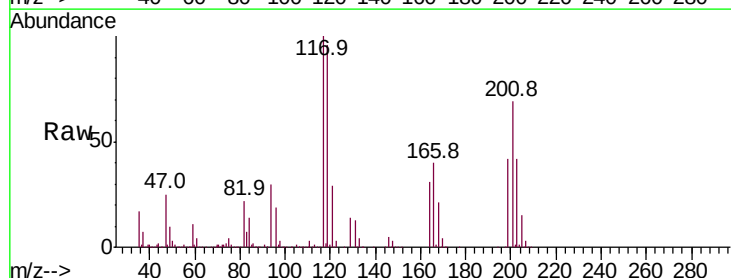
Acq: 4 Apr 2019 17:35

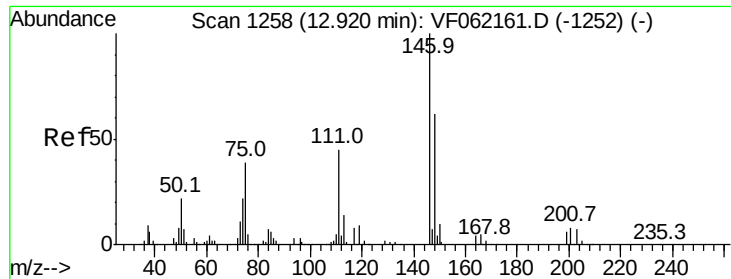
Tgt Ion: 117 Resp: 193399

Ion Ratio Lower Upper

117 100

201 68.9 36.8 110.4

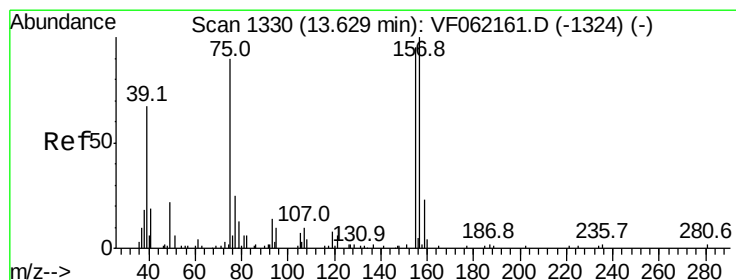
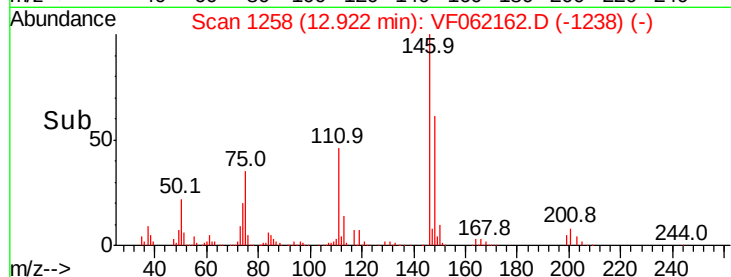
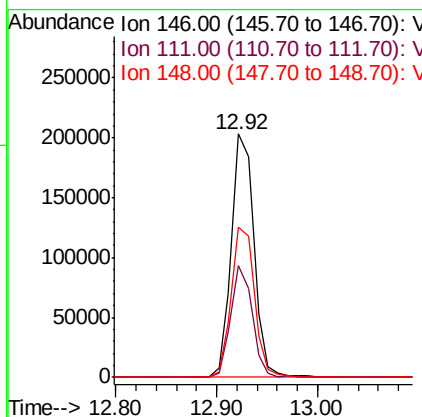
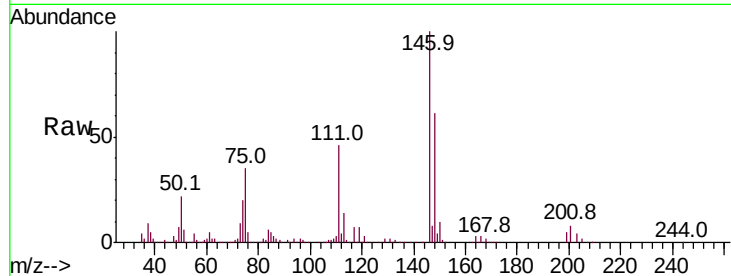




#91
 1,2-Dichlorobenzene
 Concen: 71.959 ug/l
 RT: 12.92 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

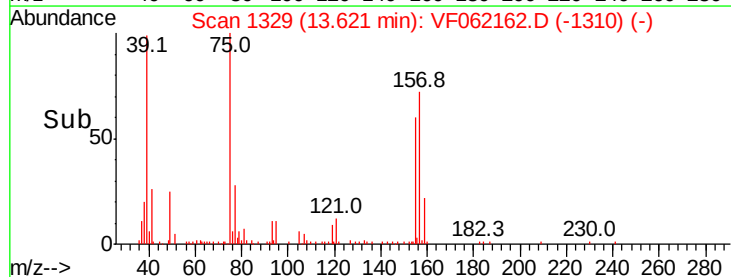
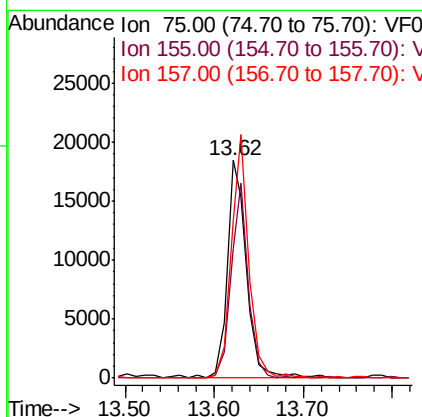
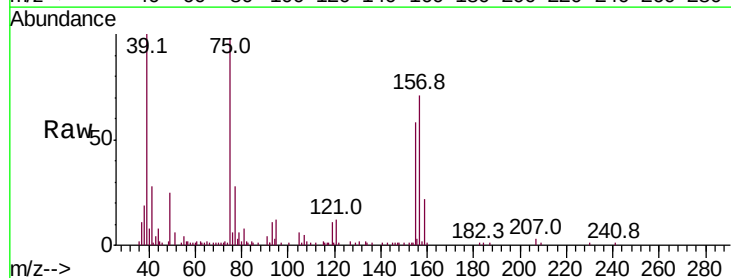
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

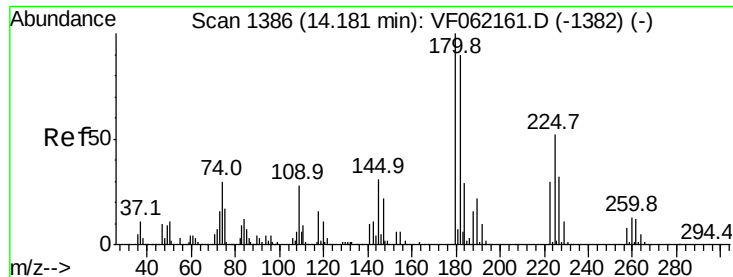
Tot Ion:146 Resp: 315502
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.4 67.0
 148 61.5 30.9 92.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.623 ug/l
 RT: 13.62 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VF062162.D
 Acq: 4 Apr 2019 17:35

Tgt Ion: 75 Resp: 28281
 Ion Ratio Lower Upper
 75 100
 155 59.7 52.8 158.3
 157 72.4 55.7 167.1

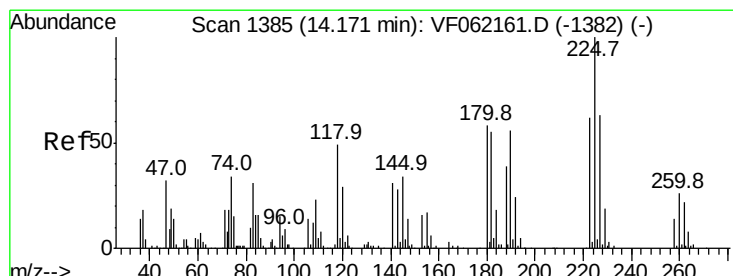
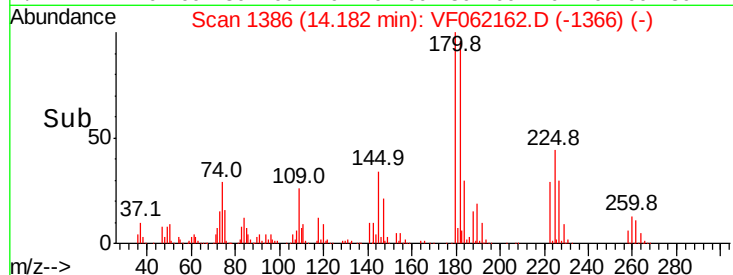
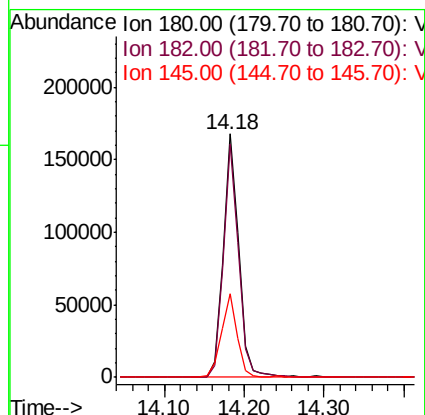
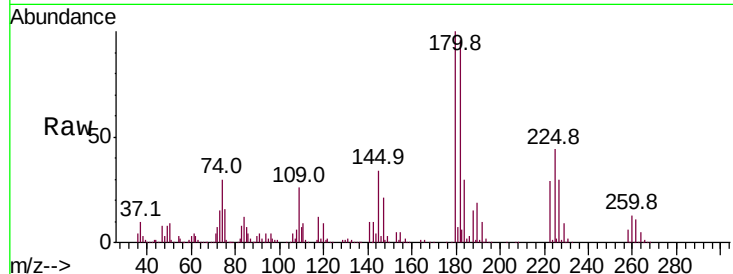




#93
1,2,4-Trichlorobenzene
Concen: 75.217 ug/l
RT: 14.18 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

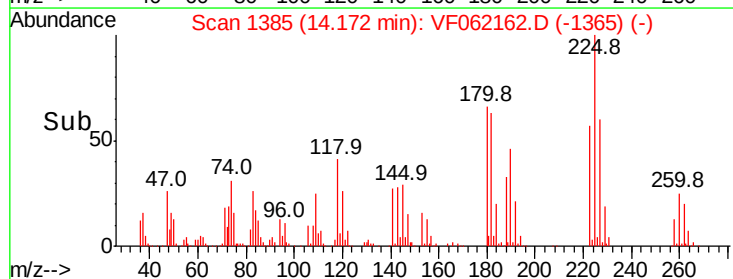
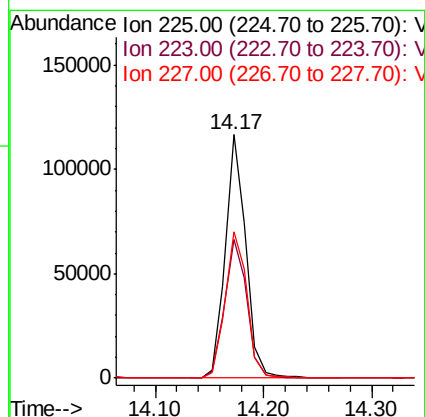
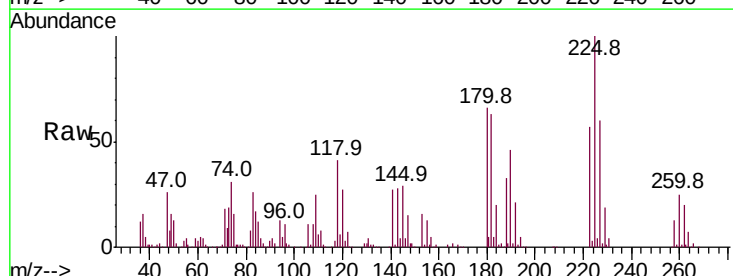
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

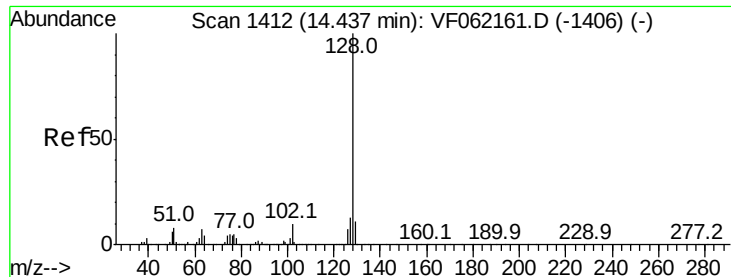
Tot Ion:180 Resp: 232288
Ion Ratio Lower Upper
180 100
182 96.1 45.1 135.2
145 34.4 15.4 46.4



#94
Hexachlorobutadiene
Concen: 75.320 ug/l
RT: 14.17 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion:225 Resp: 153648
Ion Ratio Lower Upper
225 100
223 56.9 31.0 93.0
227 59.9 32.8 98.3

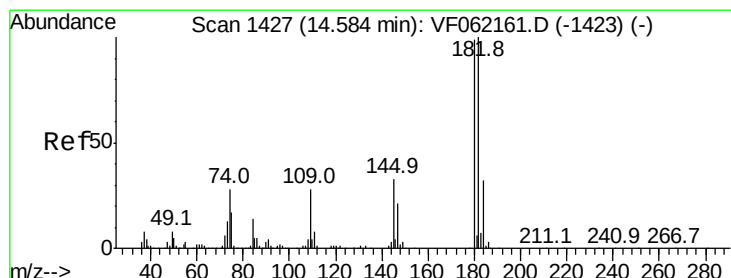
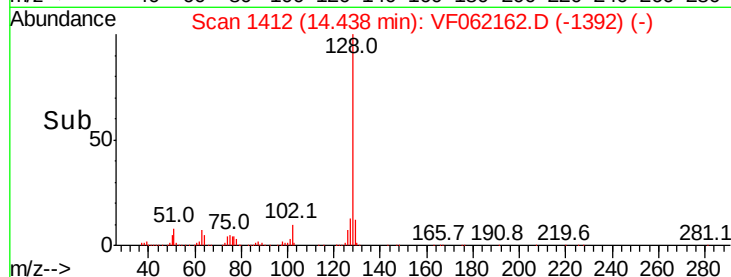
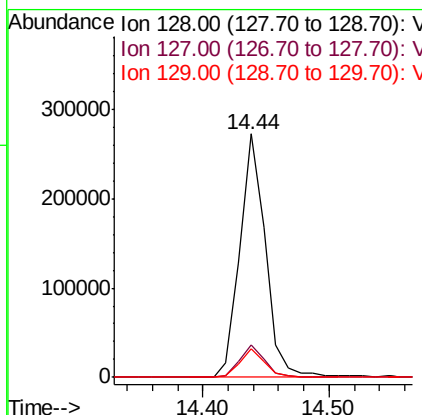
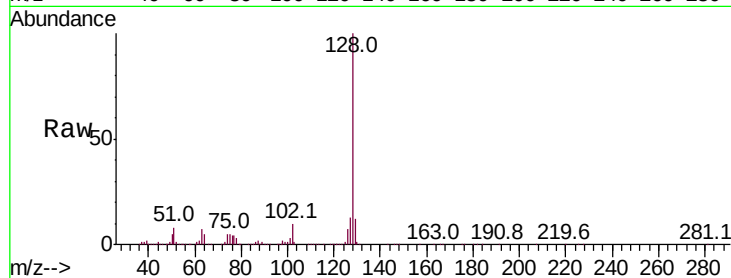




#95
Naphthalene
Concen: 72.190 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.8	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 75.906 ug/l
RT: 14.59 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VF062162.D
Acq: 4 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	50.4	151.2
145	29.5	16.7	50.1

