

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062163.D
 Acq On : 4 Apr 2019 18:04
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 05 05:15:14 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	211492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	333512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	289318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	127344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	258639	148.45	ug/l	0.00
Spiked Amount						
			Recovery	=	296.90%	
35) Dibromofluoromethane	4.09	113	271348	117.99	ug/l	0.00
Spiked Amount						
			Recovery	=	235.98%	
50) Toluene-d8	7.53	98	774247	113.63	ug/l	0.00
Spiked Amount						
			Recovery	=	227.26%	
62) 4-Bromofluorobenzene	11.39	95	307740	115.99	ug/l	0.00
Spiked Amount						
			Recovery	=	231.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	289990	105.283	ug/l	89
3) Chloromethane	1.10	50	253848	91.207	ug/l	90
4) Vinyl Chloride	1.14	62	253046	97.604	ug/l	95
5) Bromomethane	1.33	94	204397	108.031	ug/l	99
6) Chloroethane	1.39	64	135027	101.568	ug/l	93
7) Trichlorofluoromethane	1.47	101	372349m	114.982	ug/l	
8) Diethyl Ether	1.62	74	76033	105.763	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	232622	108.144	ug/l	94
10) Methyl Iodide	1.90	142	413453m	101.458	ug/l	
11) Tert butyl alcohol	2.56	59	58557	654.550	ug/l	100
12) 1,1-Dichloroethene	1.79	96	216803	106.412	ug/l	94
13) Acrolein	1.99	56	59931	567.710	ug/l	92
14) Allyl chloride	2.08	41	268666	118.048	ug/l	97
15) Acrylonitrile	2.93	53	163421	536.298	ug/l #	85
16) Acetone	2.22	43	260739	729.167	ug/l	100
17) Carbon Disulfide	1.82	76	706823m	113.414	ug/l	
18) Methyl Acetate	2.33	43	112492m	136.669	ug/l	
19) Methyl tert-butyl Ether	2.42	73	401265	120.600	ug/l	96
20) Methylene Chloride	2.17	84	205831m	89.101	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	221161	111.874	ug/l	92
22) Diisopropyl ether	2.78	45	690568	118.169	ug/l	97
23) Vinyl Acetate	3.16	43	1680385	688.489	ug/l	100
24) 1,1-Dichloroethane	2.85	63	405031	115.708	ug/l	97
25) 2-Butanone	4.31	43	460999	652.042	ug/l	92
26) 2,2-Dichloropropane	3.57	77	200938	135.470	ug/l	90
27) cis-1,2-Dichloroethene	3.45	96	258302	98.808	ug/l	86
28) Bromochloromethane	3.70	49	158247	107.695	ug/l #	93
29) Tetrahydrofuran	4.05	42	187960	613.578	ug/l	97
30) Chloroform	3.83	83	462334	122.400	ug/l	86
31) Cyclohexane	3.67	56	366422m	102.347	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	305769	126.517	ug/l	94
36) 1,1-Dichloropropene	4.26	75	402462	123.895	ug/l	91
37) Ethyl Acetate	4.08	43	173195	122.768	ug/l #	77
38) Carbon Tetrachloride	3.96	117	294239	130.165	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.43	83	400242	110.913	ug/l	98
40) Benzene	4.60	78	878208	104.488	ug/l	100
41) Methacrylonitrile	4.72	41	94477	125.985	ug/l #	81
42) 1,2-Dichloroethane	4.92	62	319393	148.287	ug/l	99
43) Isopropyl Acetate	6.94	43	198793	118.378	ug/l	98
44) Trichloroethene	5.48	130	276968	107.484	ug/l	85
45) 1,2-Dichloropropane	6.21	63	210755	104.337	ug/l	93
46) Dibromomethane	6.06	93	134984	107.984	ug/l	95
47) Bromodichloromethane	6.35	83	361142	126.331	ug/l	99
48) Methyl methacrylate	6.69	41	139656	138.113	ug/l	94
49) 1,4-Dioxane	6.69	88	20726	2533.014	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	690454	600.188	ug/l	100
52) Toluene	7.61	92	559434	112.860	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	316319	139.779	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	374336	119.528	ug/l	97
55) 1,1,2-Trichloroethane	8.46	97	153714	110.436	ug/l	93
56) Ethyl methacrylate	8.59	69	190452	112.467	ug/l	93
57) 1,3-Dichloropropane	8.83	76	256086	110.917	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	141671	557.115	ug/l	99
59) 2-Hexanone	9.47	43	466522	557.089	ug/l	99
60) Dibromochloromethane	8.69	129	227881	116.207	ug/l	94
61) 1,2-Dibromoethane	8.96	107	166053	111.946	ug/l	95
64) Tetrachloroethene	8.13	164	224890	100.924	ug/l	97
65) Chlorobenzene	9.77	112	581170	106.394	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	252842	113.426	ug/l	96
67) Ethyl Benzene	9.88	91	1093914	112.577	ug/l	99
68) m/p-Xylenes	10.11	106	789030	218.222	ug/l	99
69) o-Xylene	10.69	106	426218	115.080	ug/l	96
70) Styrene	10.77	104	603069	105.474	ug/l	97
71) Bromoform	10.75	173	131212	114.640	ug/l	97
73) Isopropylbenzene	11.10	105	1200413	131.855	ug/l	99
74) N-amyl acetate	11.35	43	321994	145.777	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	186477	121.874	ug/l	99
76) 1,2,3-Trichloropropane	11.77	75	145722	130.851	ug/l	94
77) Bromobenzene	11.48	156	250319	114.101	ug/l	90
78) n-propylbenzene	11.57	91	1360114	127.088	ug/l	96
79) 2-Chlorotoluene	11.70	91	810633	136.656	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	1005608	132.113	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	64250m	140.622	ug/l	
82) 4-Chlorotoluene	11.88	91	804012	130.572	ug/l	95
83) tert-Butylbenzene	12.12	119	1003717	127.142	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	986057	132.456	ug/l	98
85) sec-Butylbenzene	12.29	105	1260327	123.923	ug/l	98
86) p-Isopropyltoluene	12.44	119	1174502	131.039	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	478392	115.555	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	460751	115.511	ug/l	99
89) n-Butylbenzene	12.83	91	1082674	127.344	ug/l	96
90) Hexachloroethane	12.90	117	282612	135.056	ug/l	96
91) 1,2-Dichlorobenzene	12.92	146	440476	114.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	42233	173.499	ug/l	71

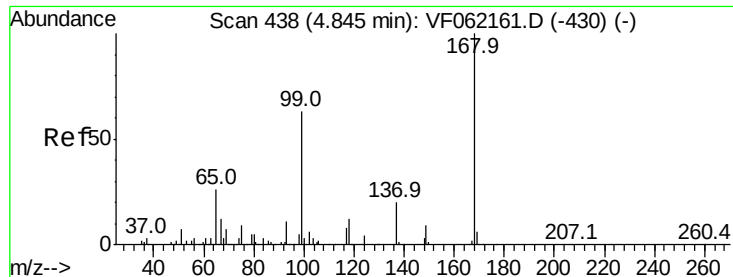
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF040419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	339799	125.794	ug/l	97
94) Hexachlorobutadiene	14.17	225	214686	120.319	ug/l	99
95) Naphthalene	14.44	128	579447	125.378	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	307681	124.222	ug/l	93

(#) = 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: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

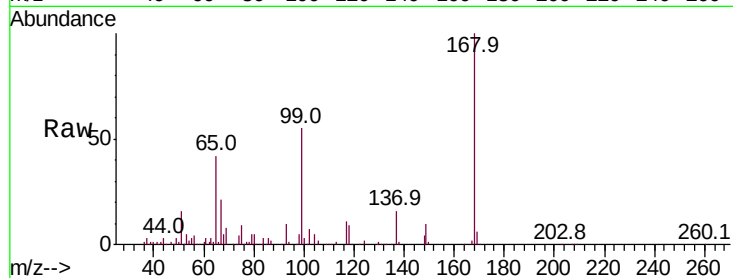
VSTDIC100

Tot Ion:168 Resp: 211492

Ion Ratio Lower Upper

168 100

99 55.4 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

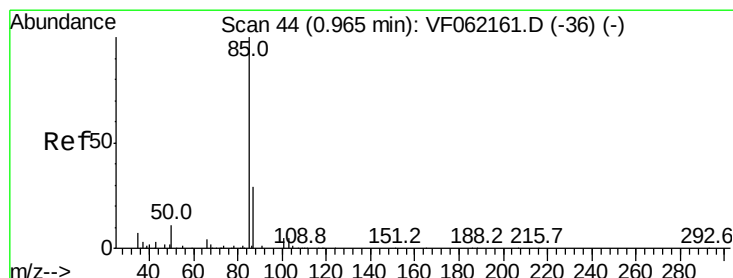
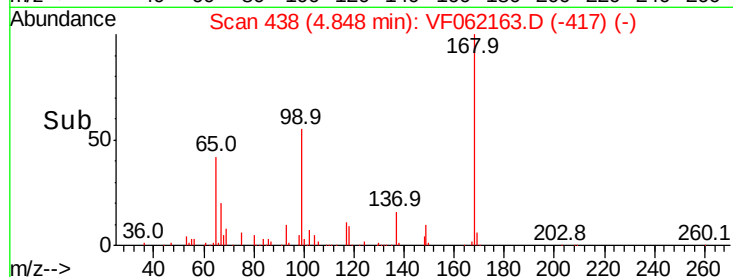
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 105.283 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF062163.D

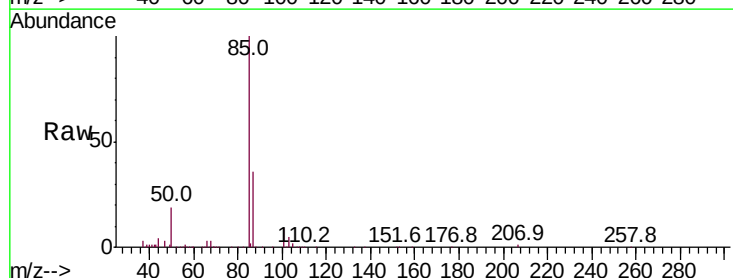
Acq: 4 Apr 2019 18:04

Tgt Ion: 85 Resp: 289990

Ion Ratio Lower Upper

85 100

87 35.6 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

60000

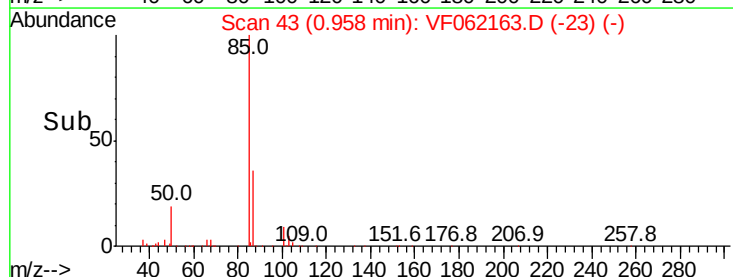
40000

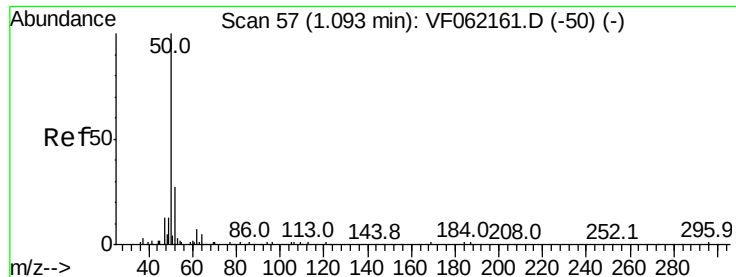
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 91.207 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

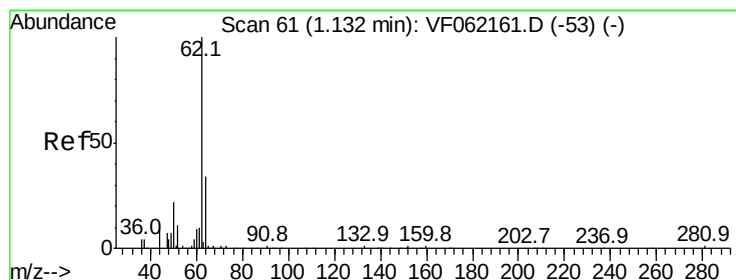
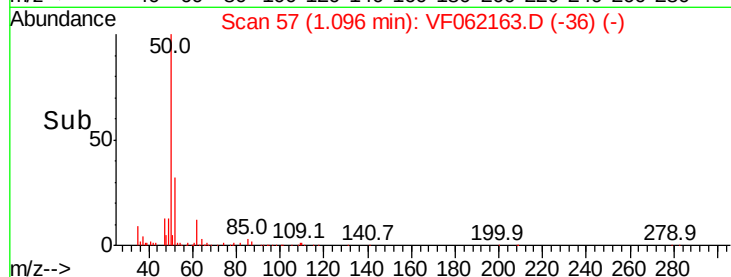
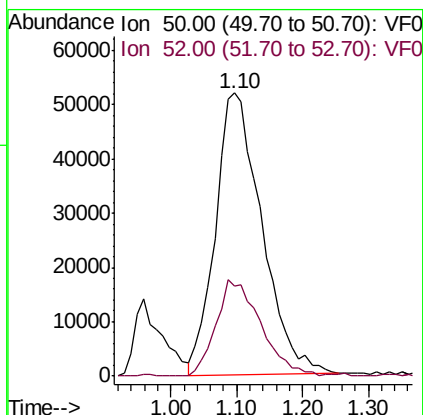
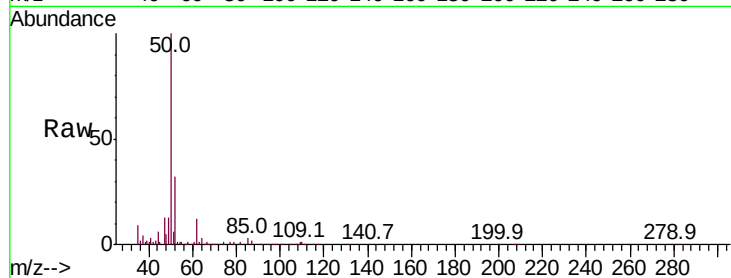
VSTDIC100

Tot Ion: 50 Resp: 253848

Ion Ratio Lower Upper

50 100

52 31.6 21.4 32.0



#4

Vinyl Chloride

Concen: 97.604 ug/l

RT: 1.14 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062163.D

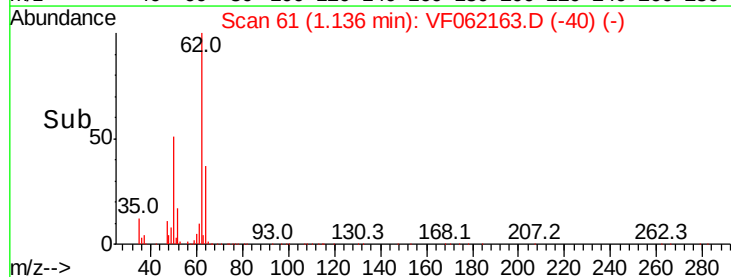
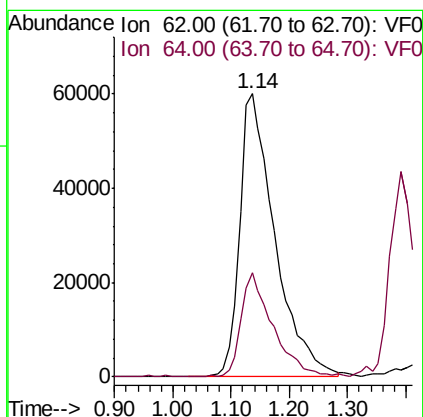
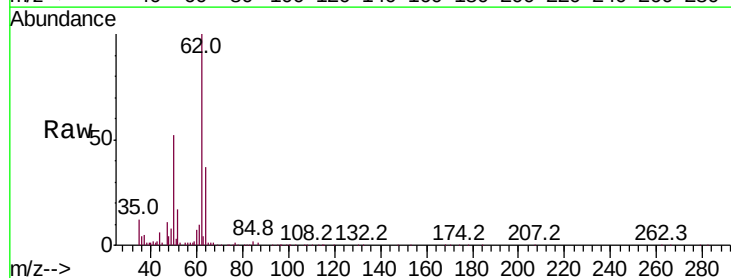
Acq: 4 Apr 2019 18:04

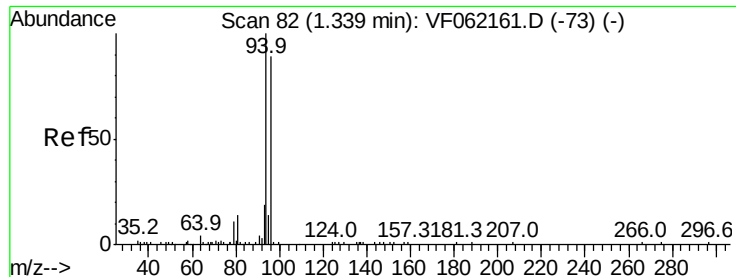
Tgt Ion: 62 Resp: 253046

Ion Ratio Lower Upper

62 100

64 36.6 27.0 40.4





#5

Bromomethane

Concen: 108.031 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

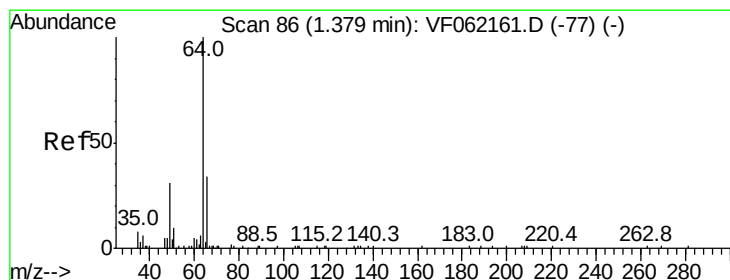
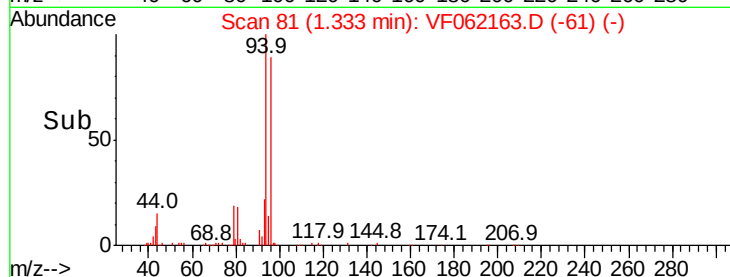
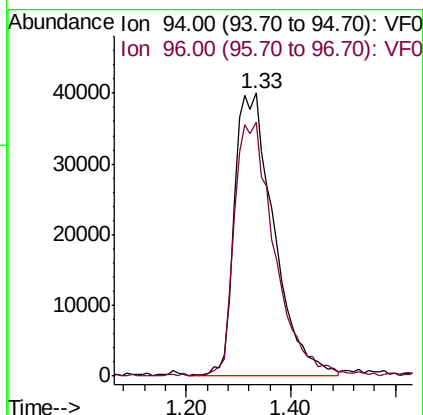
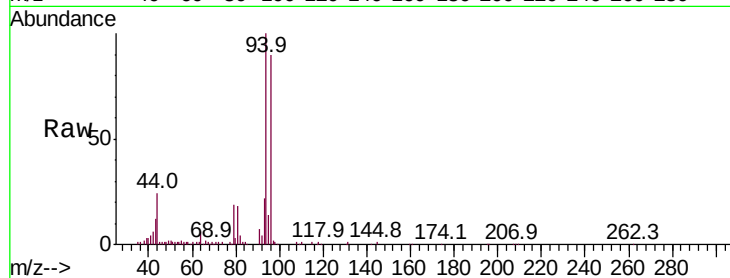
VSTDIC100

Tot Ion: 94 Resp: 204397

Ion Ratio Lower Upper

94 100

96 89.7 71.3 106.9



#6

Chloroethane

Concen: 101.568 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062163.D

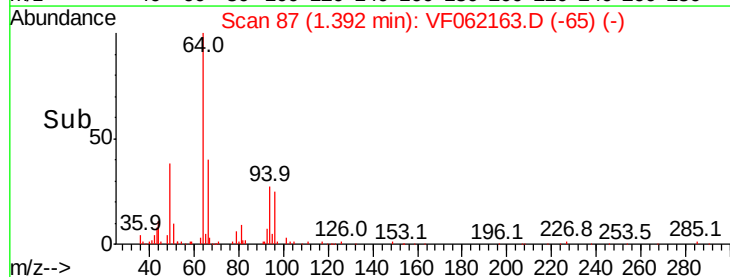
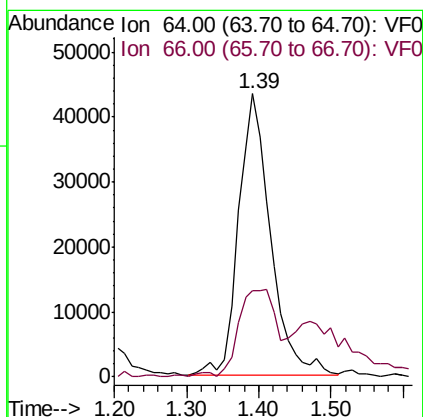
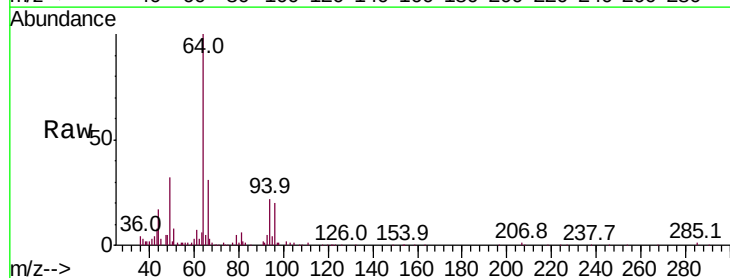
Acq: 4 Apr 2019 18:04

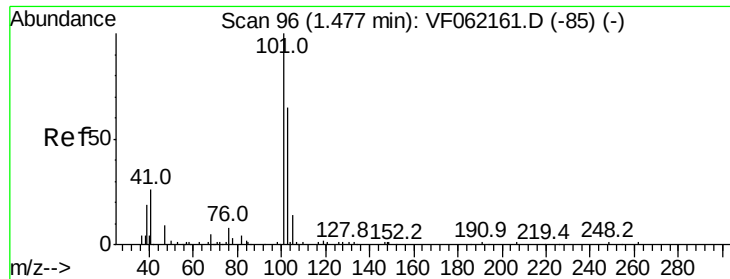
Tgt Ion: 64 Resp: 135027

Ion Ratio Lower Upper

64 100

66 30.7 27.8 41.6



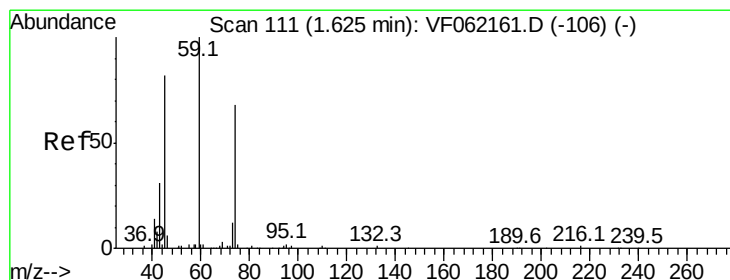
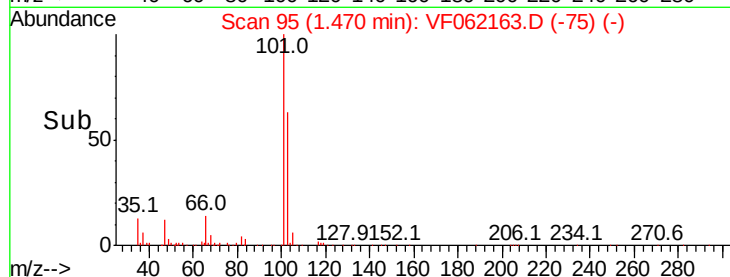
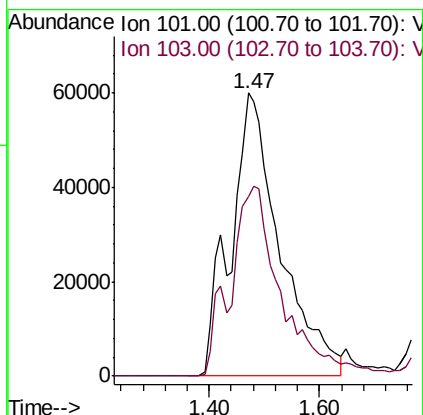
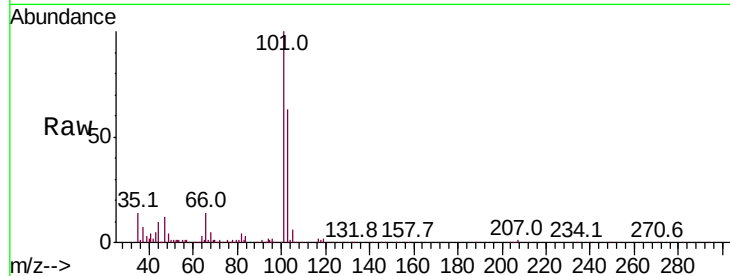


#7

Trichlorofluoromethane
 Concen: 114.982 ug/l m
 RT: 1.47 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

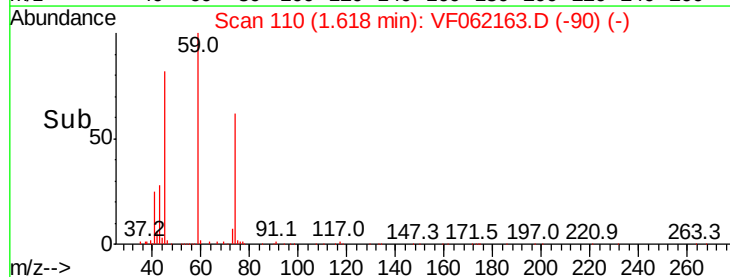
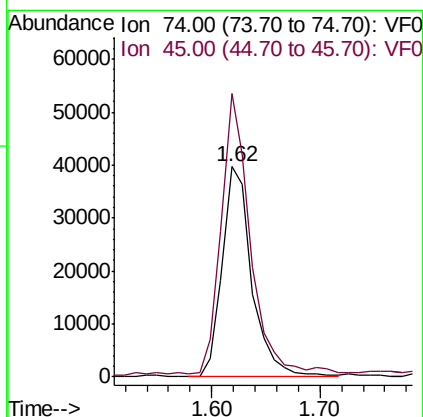
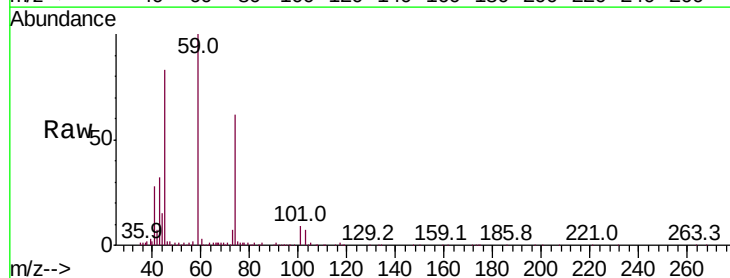
Tot Ion:101 Resp: 372349
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.0 78.0

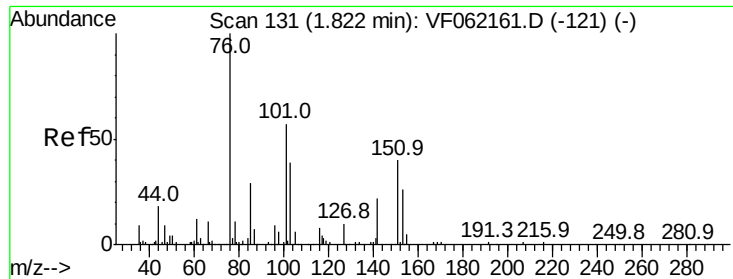


#8

Diethyl Ether
 Concen: 105.763 ug/l
 RT: 1.62 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Tgt Ion: 74 Resp: 76033
 Ion Ratio Lower Upper
 74 100
 45 134.6 61.9 185.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.144 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

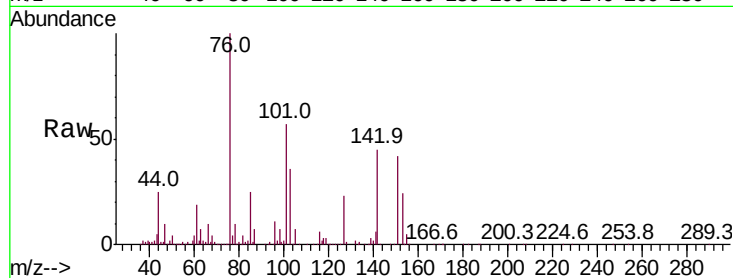
Tot Ion:101 Resp: 232622

Ion Ratio Lower Upper

101 100

85 43.3 41.0 61.6

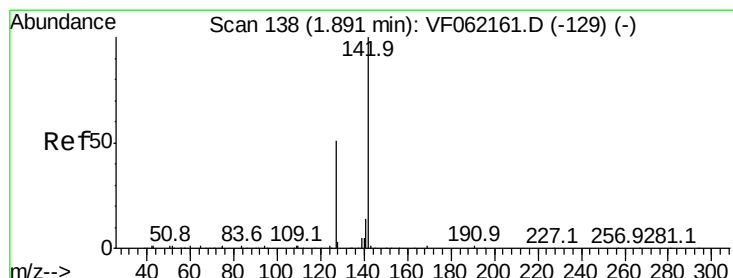
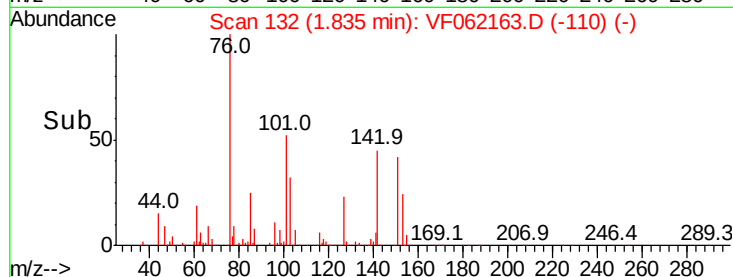
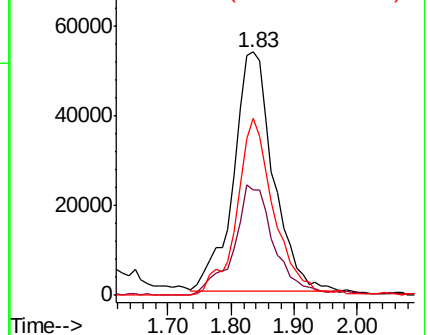
151 72.6 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 101.458 ug/l m

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

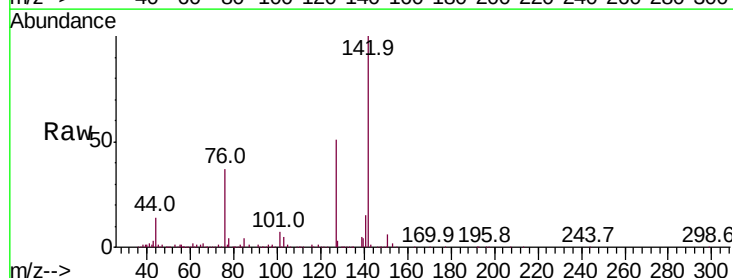
Tgt Ion:142 Resp: 413453

Ion Ratio Lower Upper

142 100

127 50.5 40.7 61.1

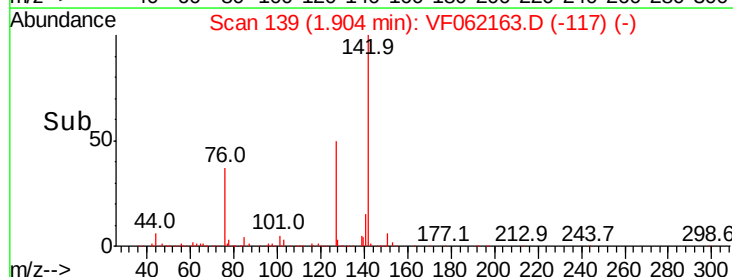
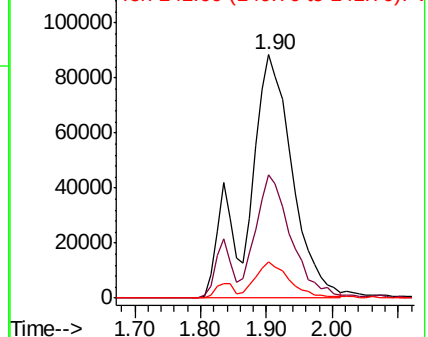
141 14.7 11.1 16.7

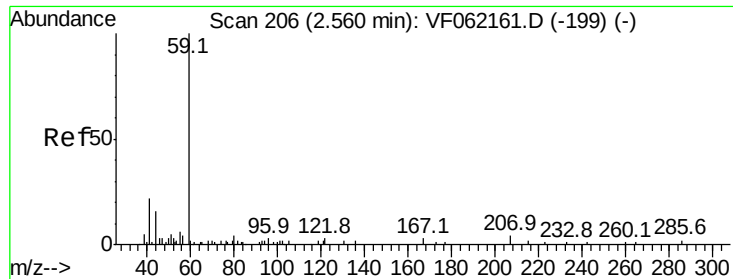


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

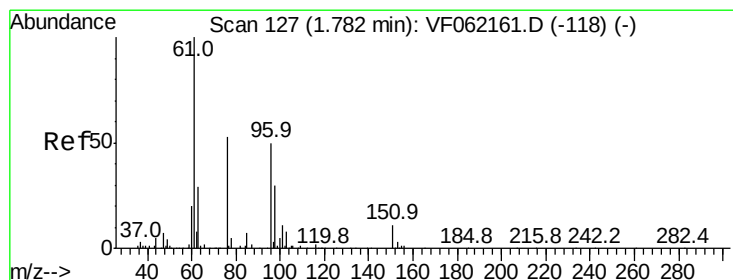
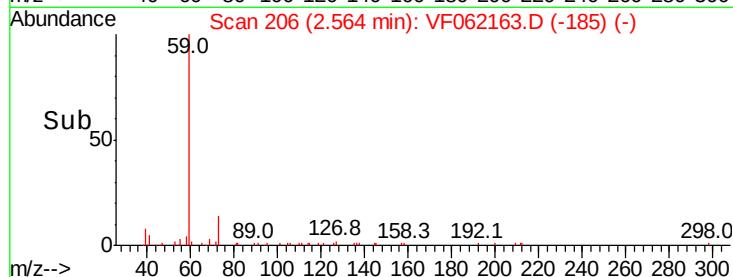
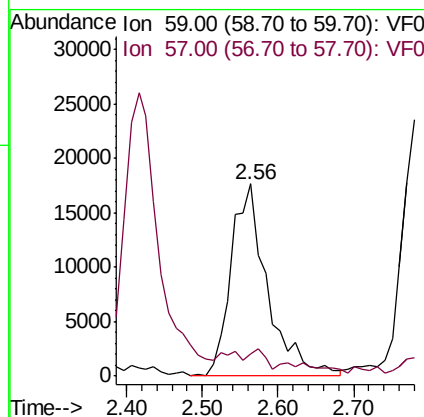
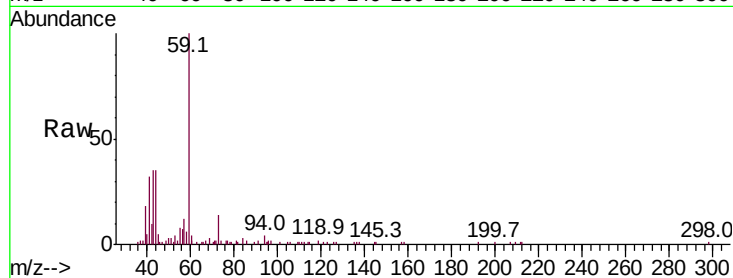




#11
Tert butyl alcohol
Concen: 654.550 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

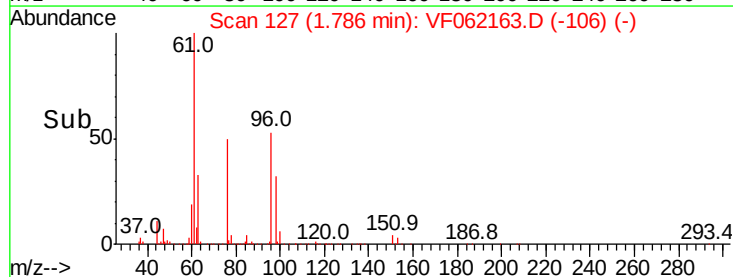
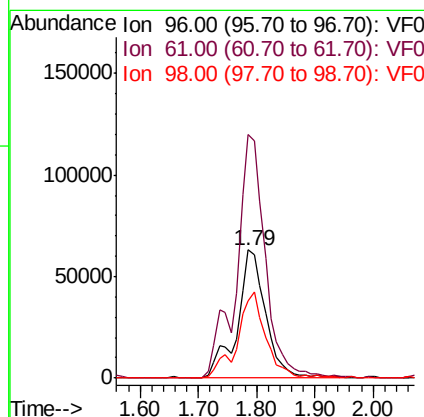
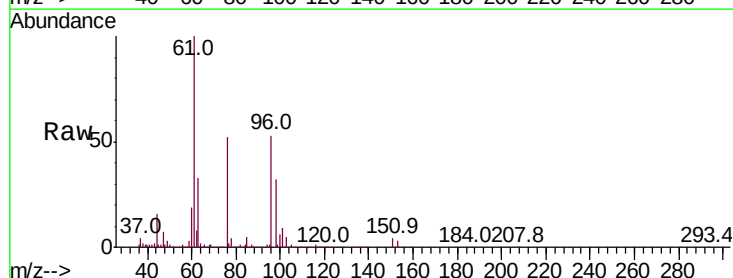
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

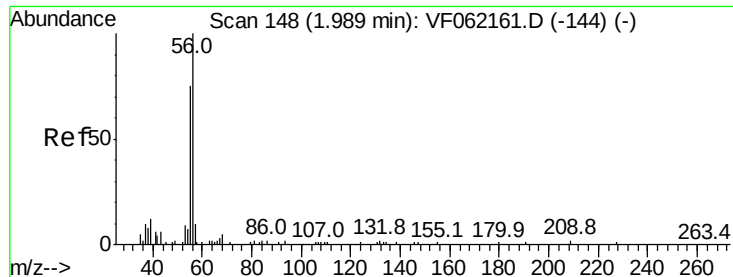
Tot Ion: 59 Resp: 58557
Ion Ratio Lower Upper
59 100
57 11.9 9.5 14.3



#12
1,1-Dichloroethene
Concen: 106.412 ug/l
RT: 1.79 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion: 96 Resp: 216803
Ion Ratio Lower Upper
96 100
61 190.1 161.8 242.6
98 60.7 49.2 73.8





#13

Acrolein

Concen: 567.710 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

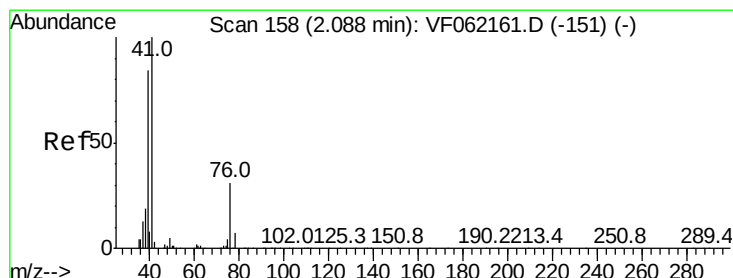
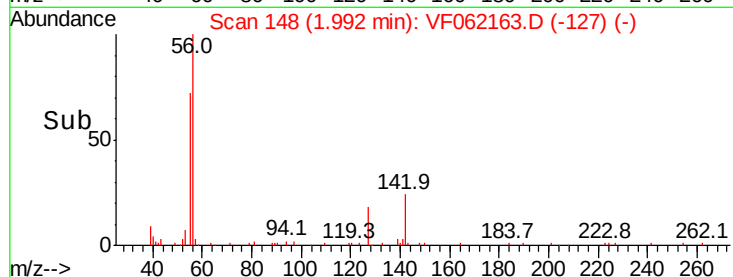
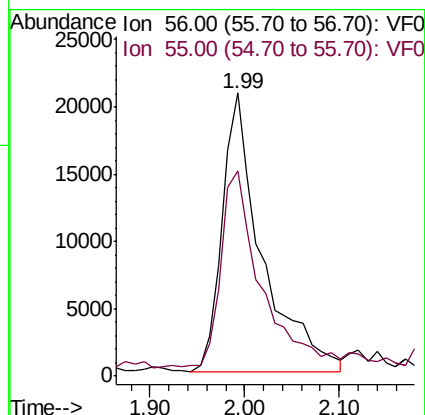
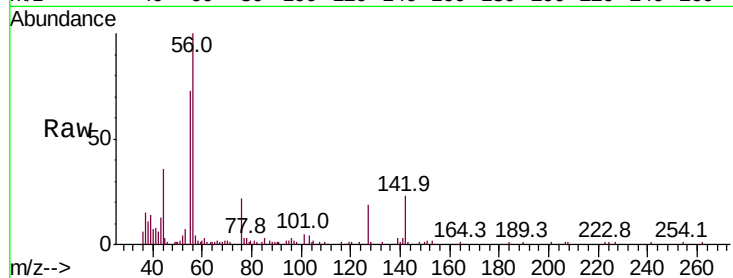
VSTDIC100

Tot Ion: 56 Resp: 59931

Ion Ratio Lower Upper

56 100

55 72.5 63.5 95.3



#14

Allyl chloride

Concen: 118.048 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

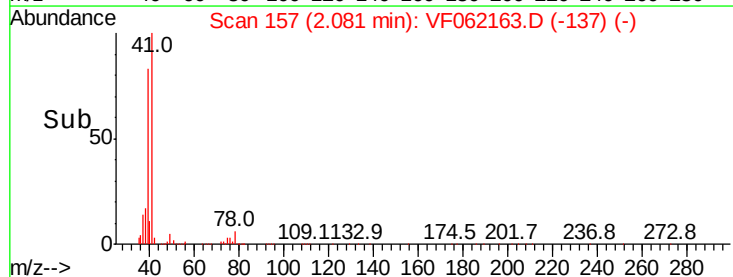
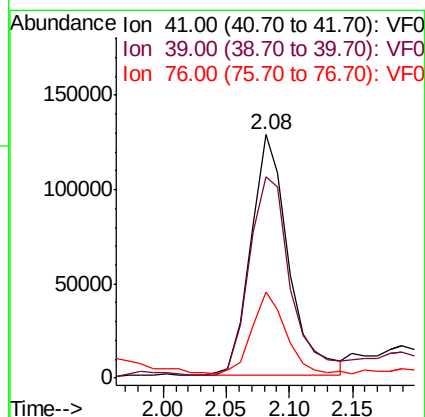
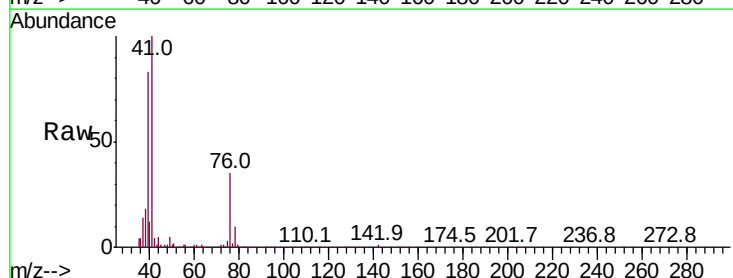
Tgt Ion: 41 Resp: 268666

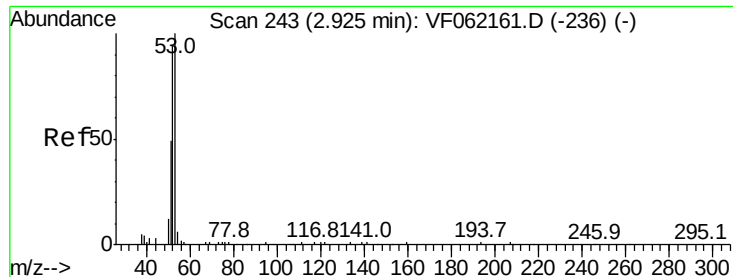
Ion Ratio Lower Upper

41 100

39 82.9 67.6 101.4

76 35.2 25.7 38.5





#15

Acrylonitrile

Concen: 536.298 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

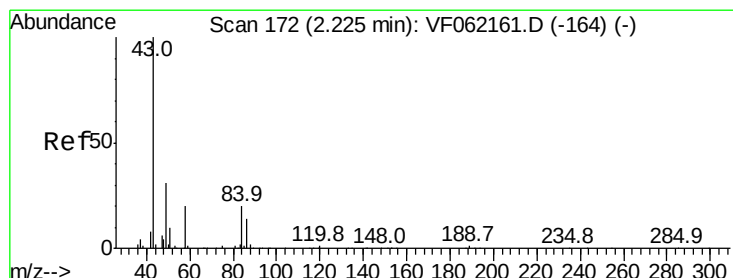
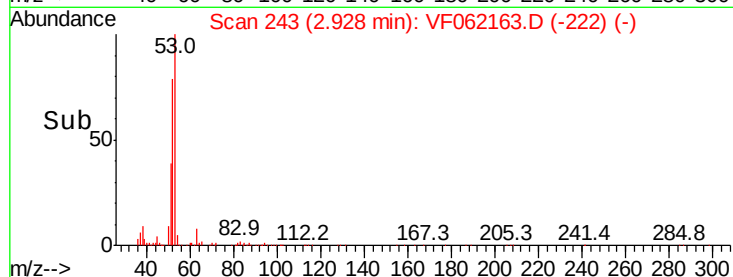
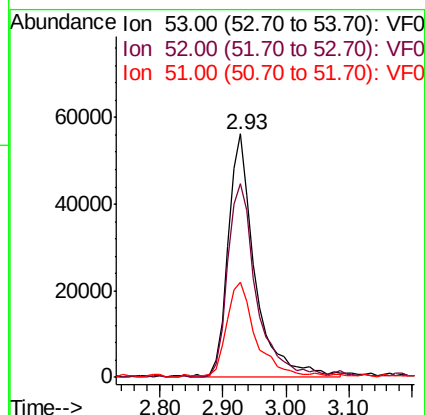
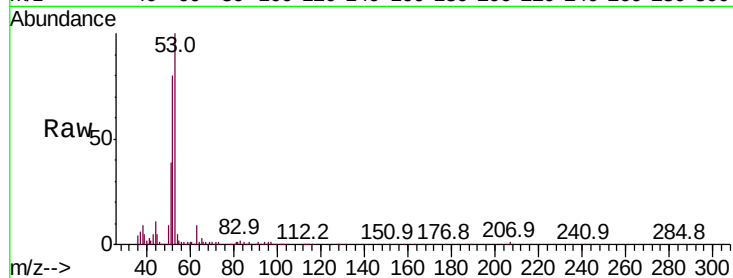
Tot Ion: 53 Resp: 163421

Ion Ratio Lower Upper

53 100

52 79.7 75.5 113.3

51 39.3 39.7 59.5#



#16

Acetone

Concen: 729.167 ug/l

RT: 2.22 min Scan# 171

Delta R.T. -0.01 min

Lab File: VF062163.D

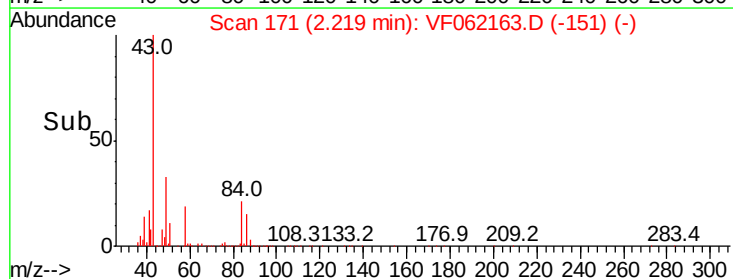
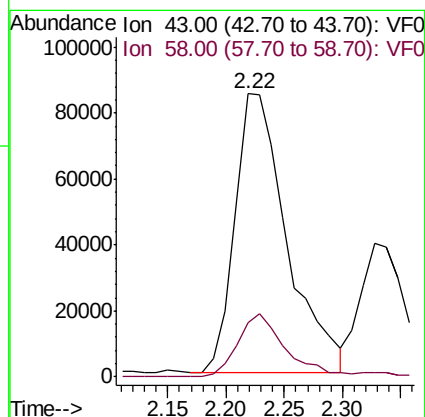
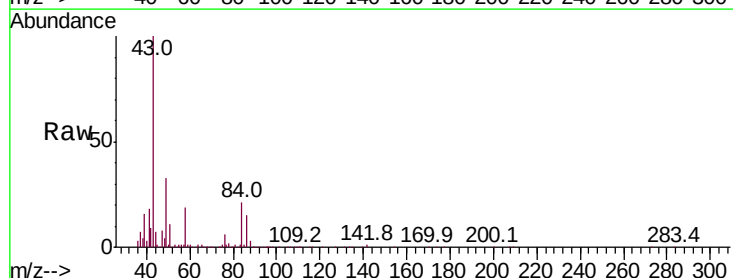
Acq: 4 Apr 2019 18:04

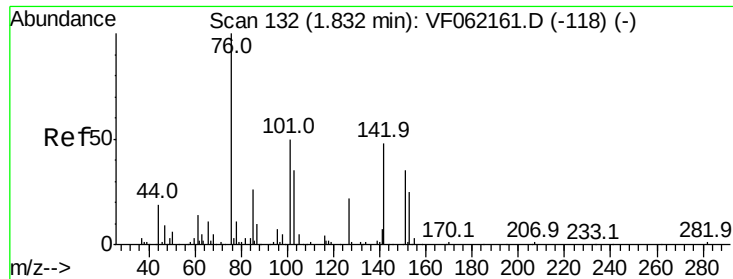
Tgt Ion: 43 Resp: 260739

Ion Ratio Lower Upper

43 100

58 19.4 15.7 23.5

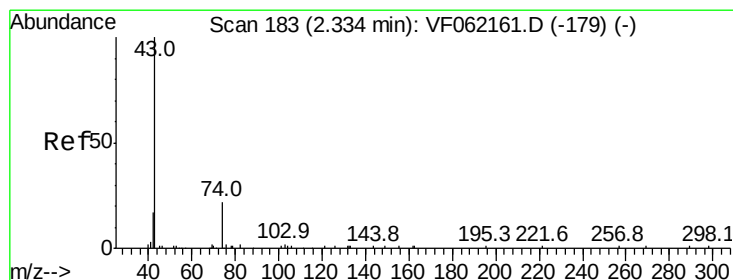
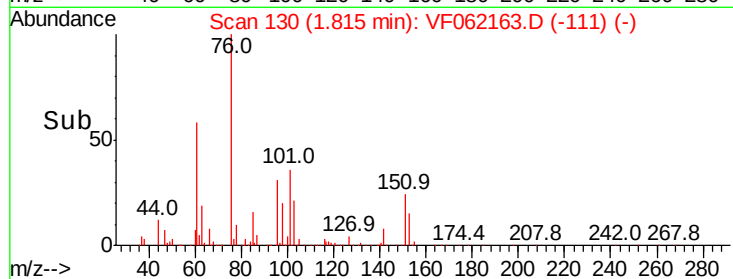
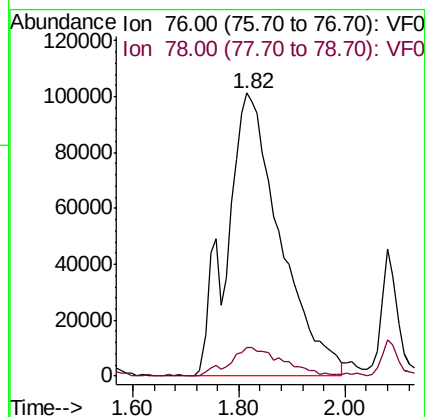
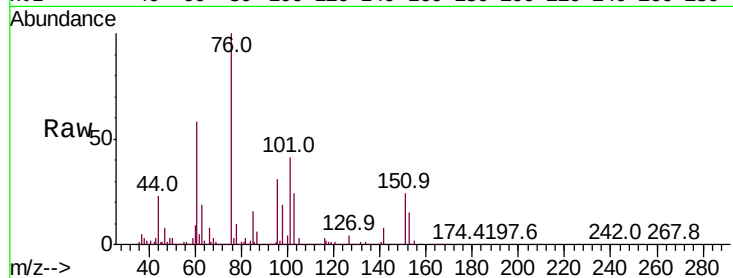




#17
Carbon Disulfide
Concen: 113.414 ug/l m
RT: 1.82 min Scan# 130
Delta R.T. -0.02 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

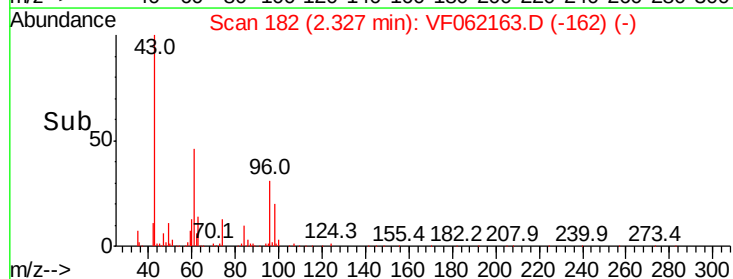
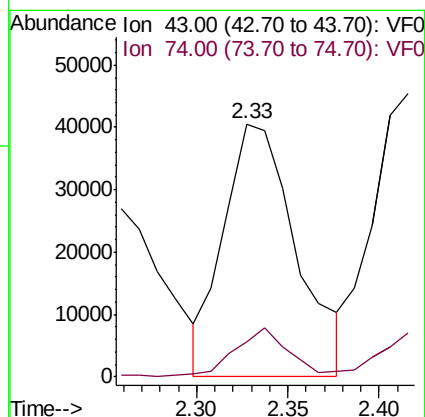
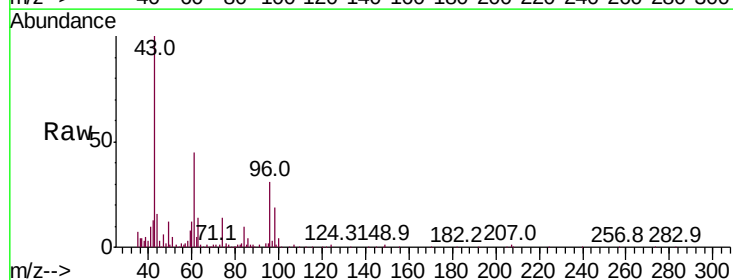
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

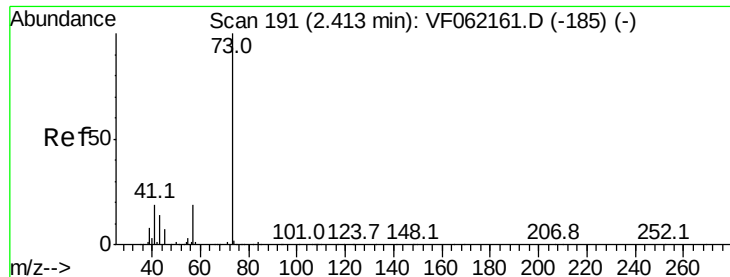
Tot Ion: 76 Resp: 706823
Ion Ratio Lower Upper
76 100
78 10.1 8.6 13.0



#18
Methyl Acetate
Concen: 136.669 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion: 43 Resp: 112492
Ion Ratio Lower Upper
43 100
74 13.7 14.3 21.5#



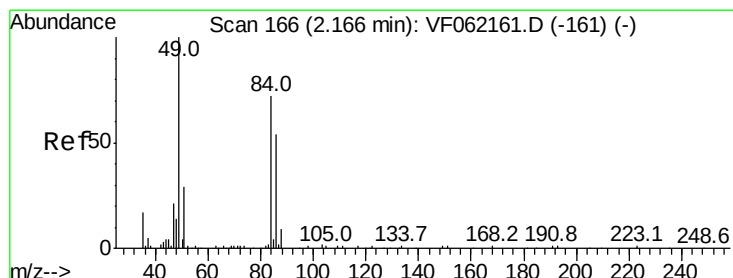
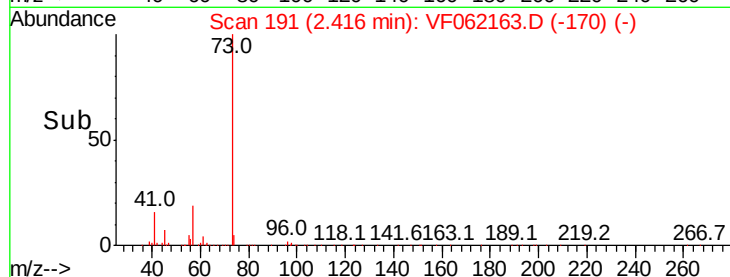
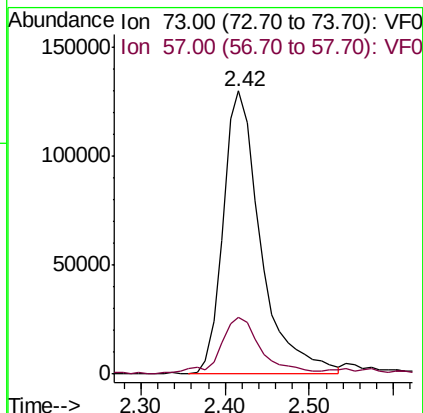
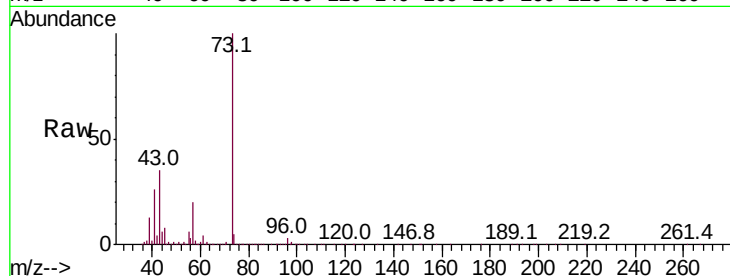


#19

Methyl tert-butyl Ether
 Concen: 120.600 ug/l
 RT: 2.42 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

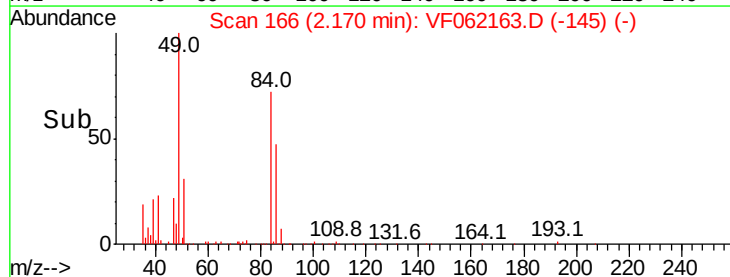
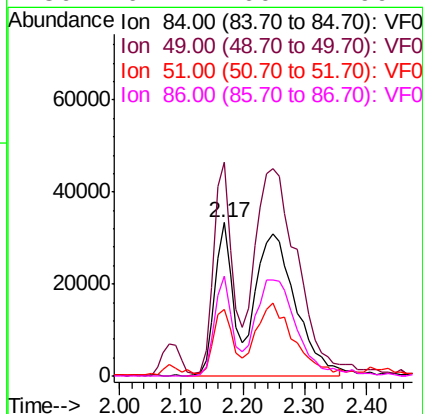
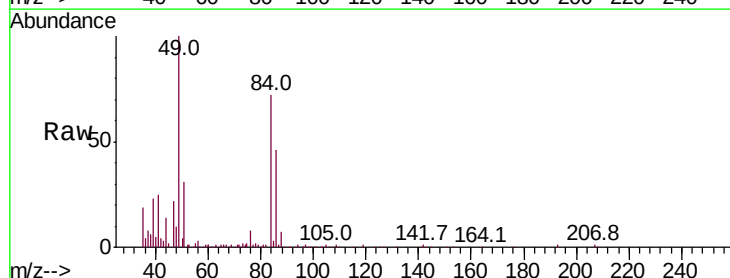
Tot Ion: 73 Resp: 401265
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.4 26.0

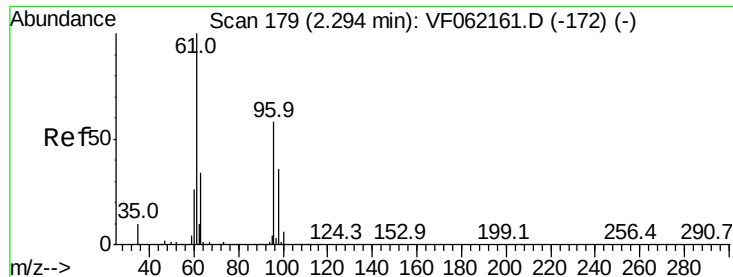


#20

Methylene Chloride
 Concen: 89.101 ug/l m
 RT: 2.17 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Tgt Ion: 84 Resp: 205831
 Ion Ratio Lower Upper
 84 100
 49 139.2 112.6 168.8
 51 43.0 33.4 50.2
 86 64.7 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 111.874 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

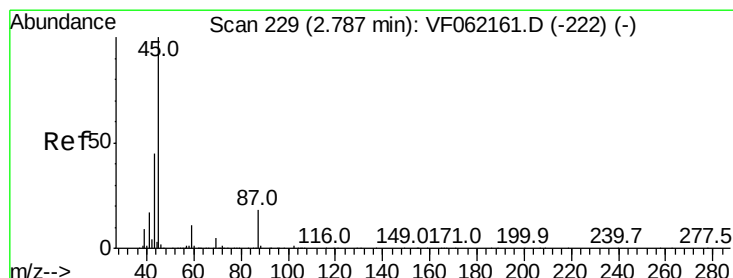
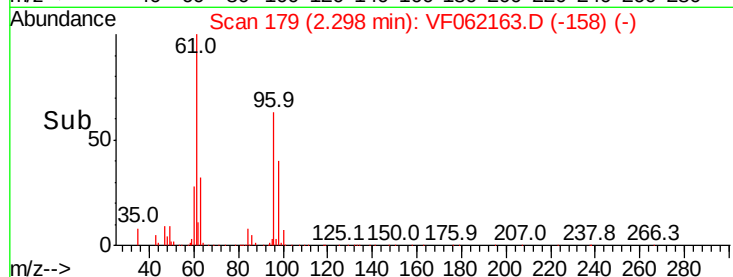
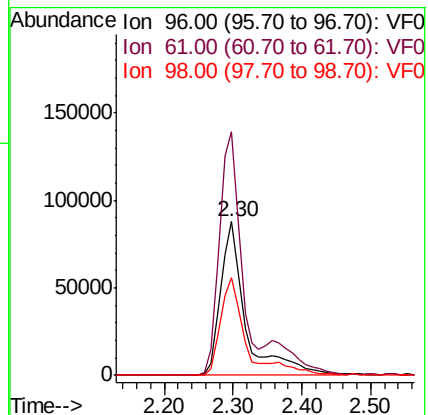
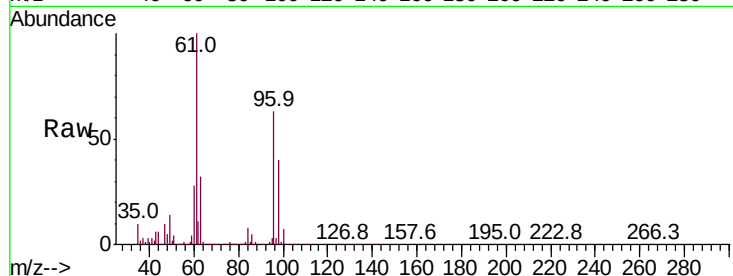
Tot Ion: 96 Resp: 221161

Ion Ratio Lower Upper

96 100

61 158.2 137.4 206.0

98 63.1 49.4 74.0



#22

Diisopropyl ether

Concen: 118.169 ug/l

RT: 2.78 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Tgt Ion: 45 Resp: 690568

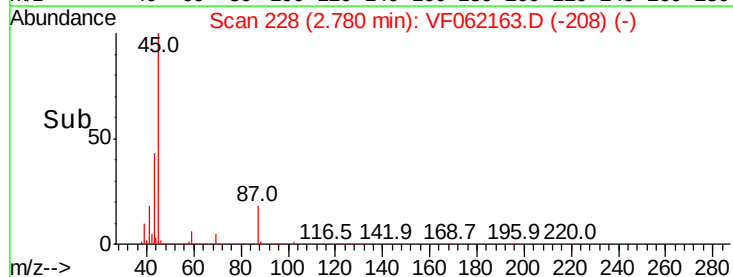
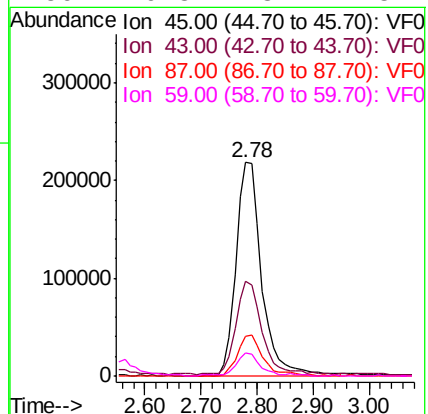
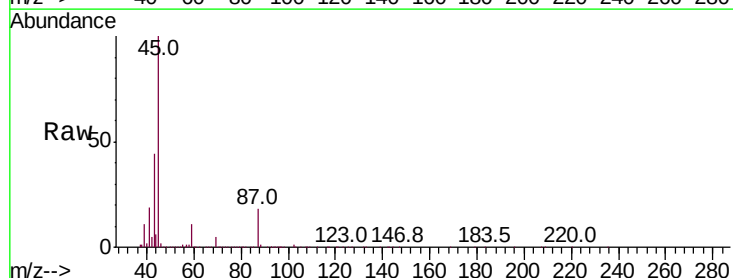
Ion Ratio Lower Upper

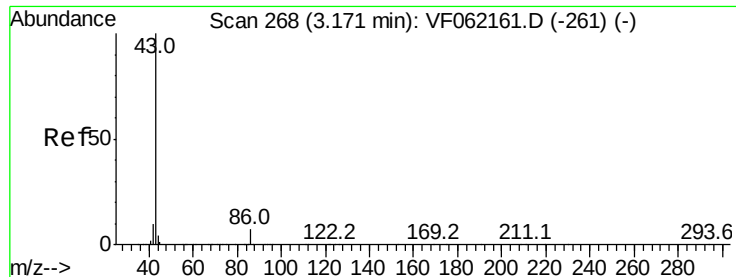
45 100

43 44.4 37.4 56.2

87 18.4 14.3 21.5

59 10.8 8.7 13.1





#23

Vinyl Acetate

Concen: 688.489 ug/l

RT: 3.16 min Scan# 267

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

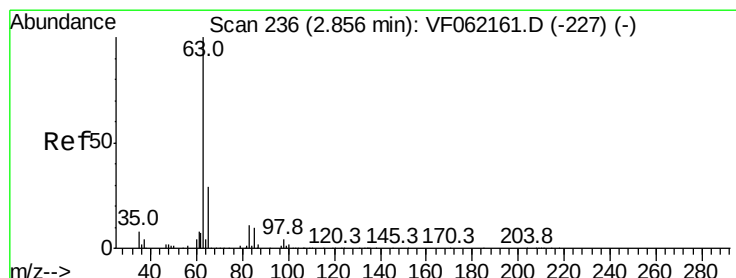
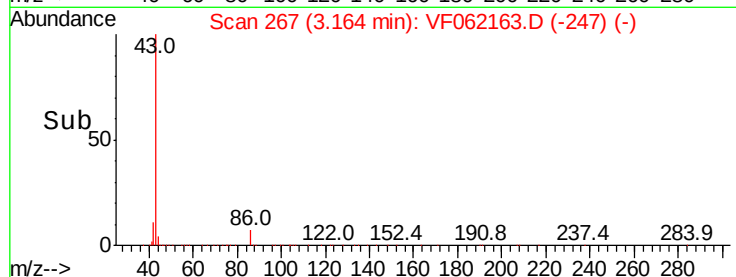
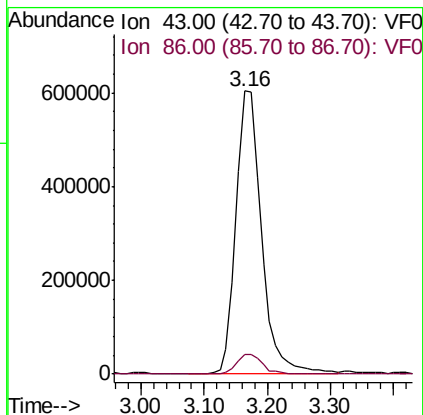
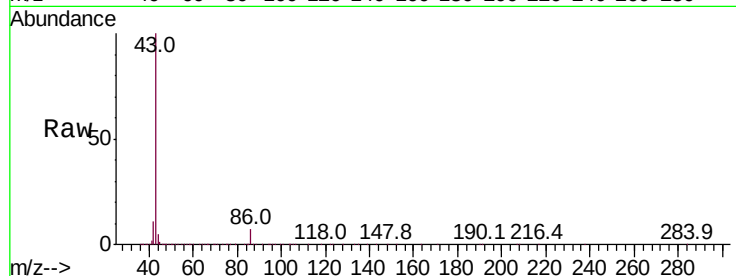
VSTDIC100

Tot Ion: 43 Resp: 1680385

Ion Ratio Lower Upper

43 100

86 7.0 5.7 8.5



#24

1,1-Dichloroethane

Concen: 115.708 ug/l

RT: 2.85 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

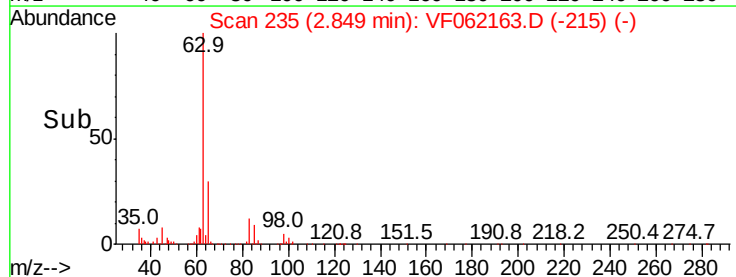
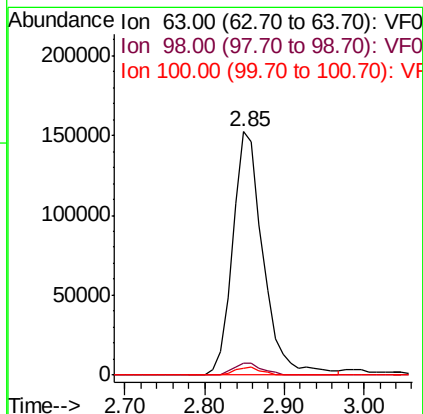
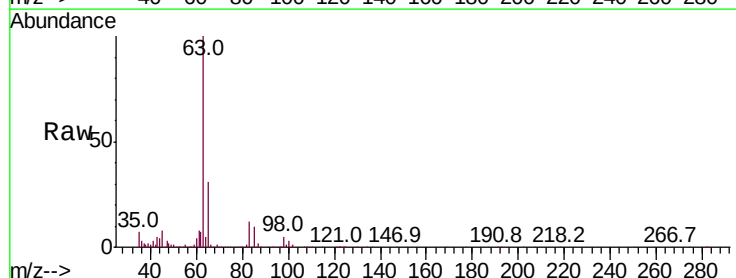
Tgt Ion: 63 Resp: 405031

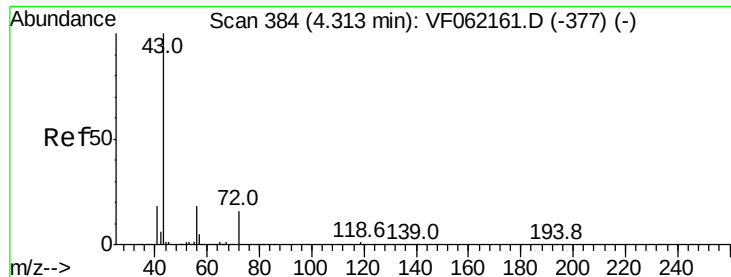
Ion Ratio Lower Upper

63 100

98 5.0 2.0 6.0

100 2.6 1.0 3.0





#25

2-Butanone

Concen: 652.042 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

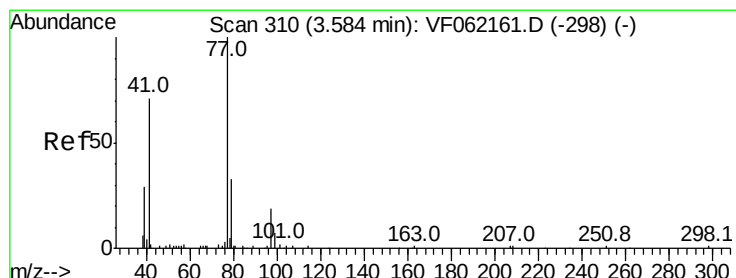
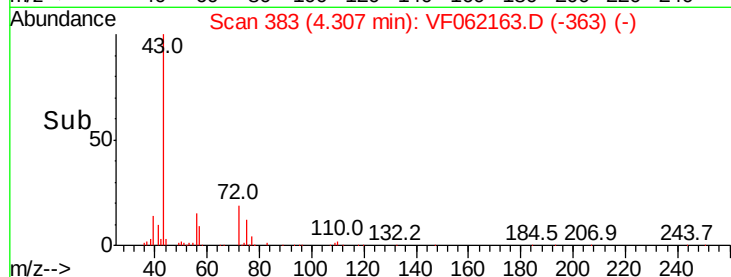
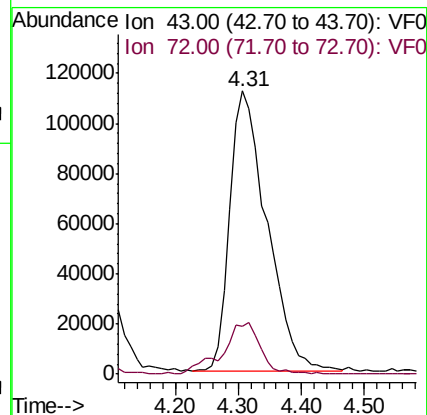
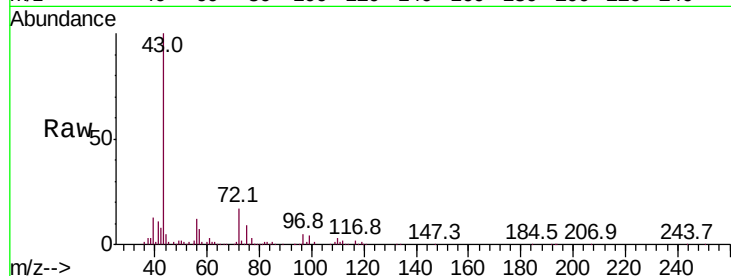
VSTDIC100

Tot Ion: 43 Resp: 460999

Ion Ratio Lower Upper

43 100

72 16.8 16.4 24.6



#26

2,2-Dichloropropane

Concen: 135.470 ug/l

RT: 3.57 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF062163.D

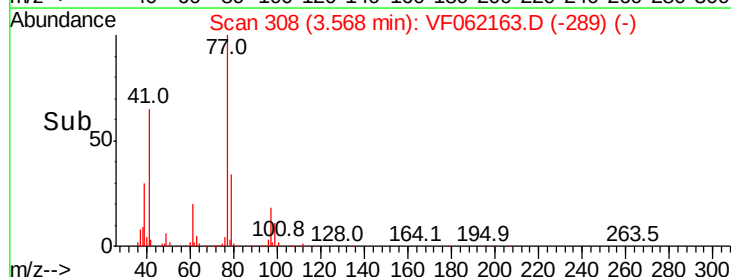
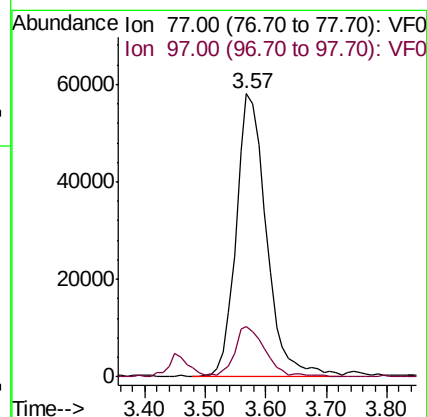
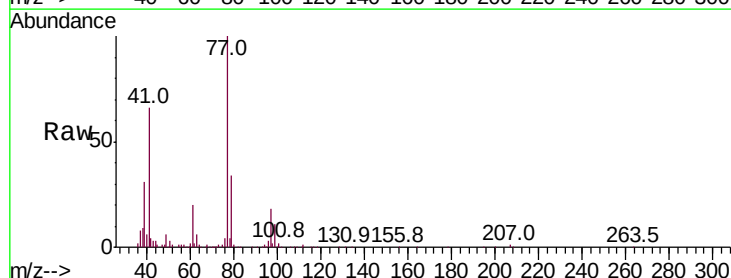
Acq: 4 Apr 2019 18:04

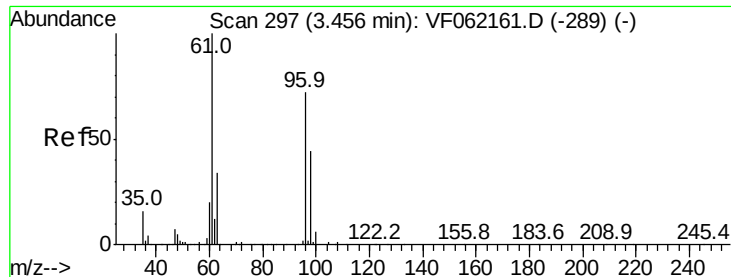
Tgt Ion: 77 Resp: 200938

Ion Ratio Lower Upper

77 100

97 17.7 11.4 34.2



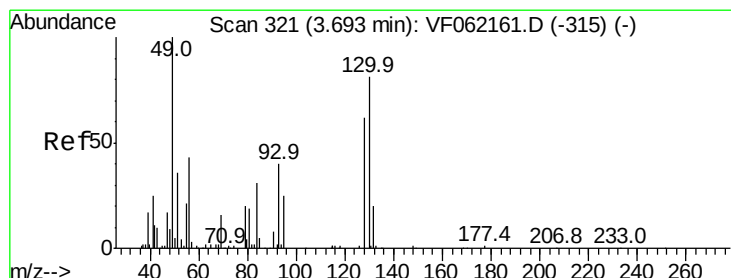
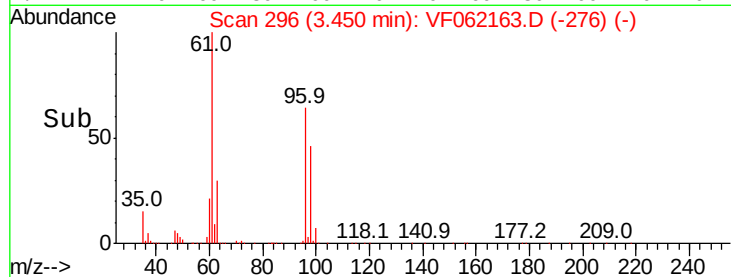
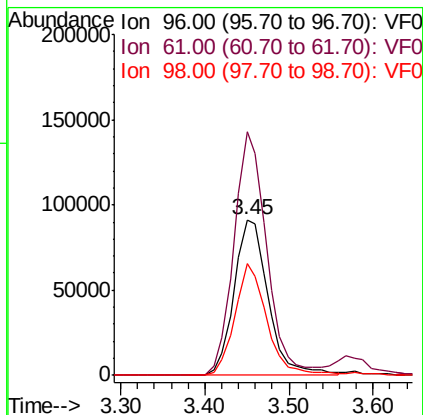
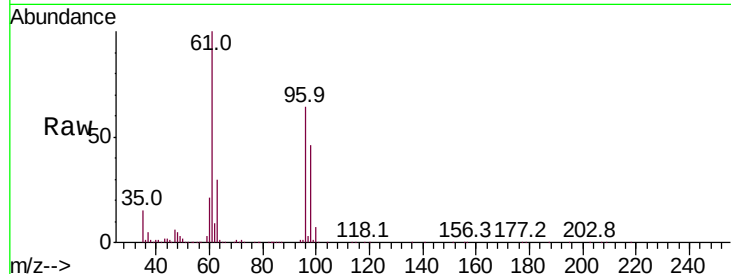


#27

cis-1,2-Dichloroethene
Concen: 98.808 ug/l
RT: 3.45 min Scan# 296
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

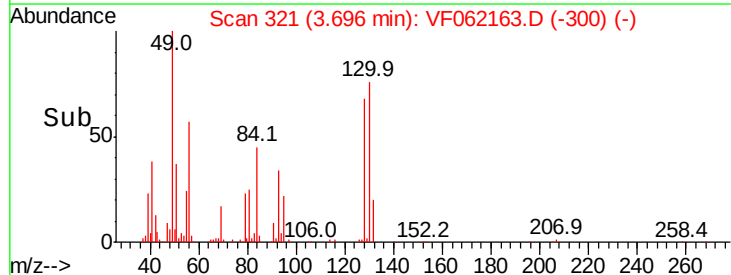
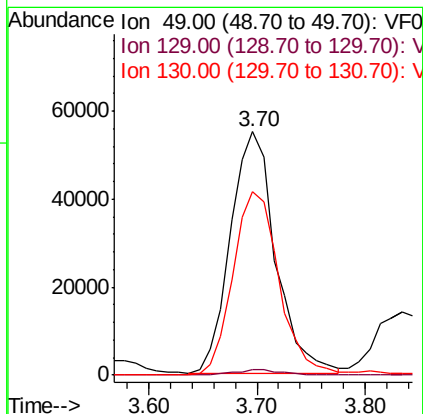
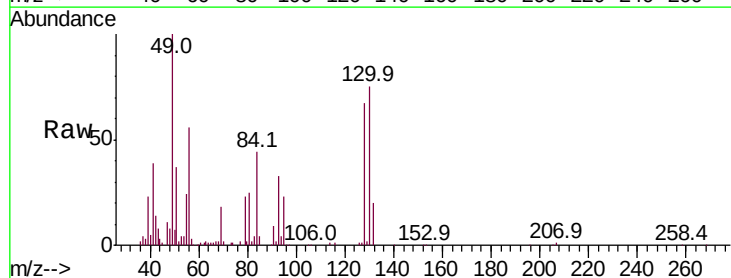
Tot Ion	96	Resp	258302
Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	278.2
98	71.7	0.0	122.2

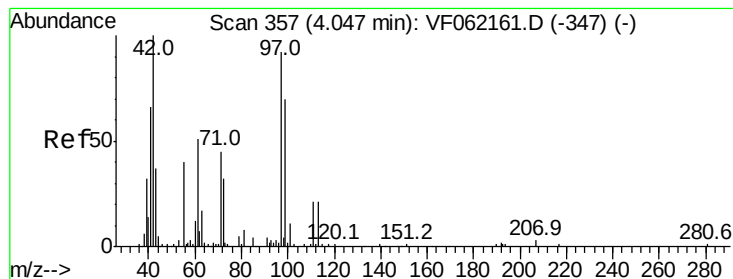


#28

Bromochloromethane
Concen: 107.695 ug/l
RT: 3.70 min Scan# 321
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion	49	Resp	158247
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	75.1	65.0	97.4





#29

Tetrahydrofuran

Concen: 613.578 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

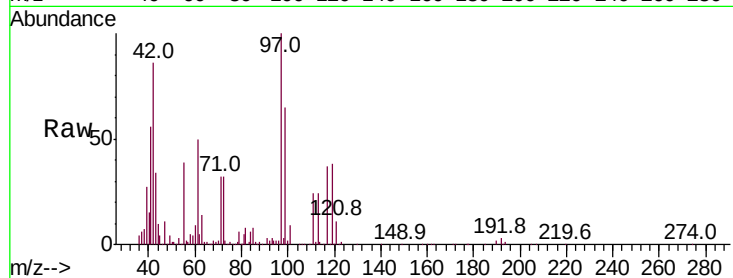
Tot Ion: 42 Resp: 187960

Ion Ratio Lower Upper

42 100

72 38.1 30.9 46.3

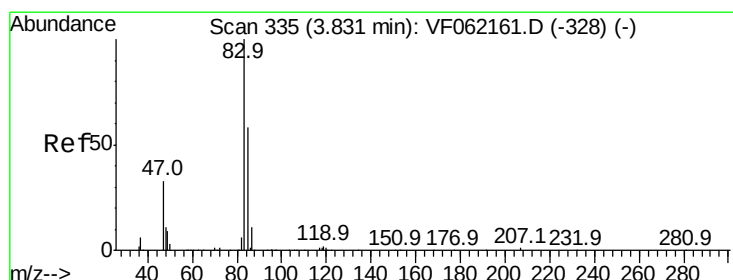
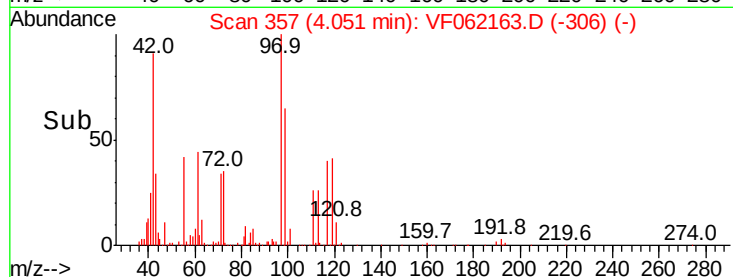
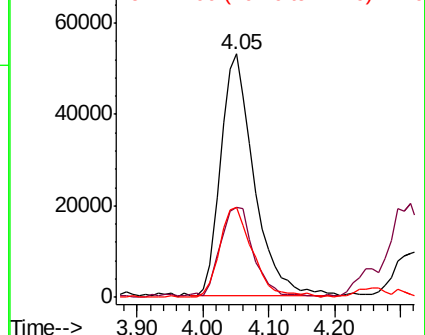
71 36.8 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 122.400 ug/l

RT: 3.83 min Scan# 335

Delta R.T. 0.00 min

Lab File: VF062163.D

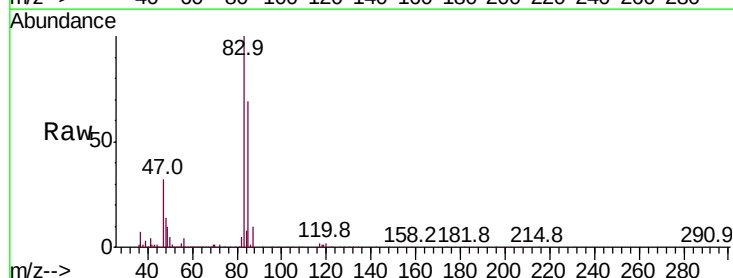
Acq: 4 Apr 2019 18:04

Tgt Ion: 83 Resp: 462334

Ion Ratio Lower Upper

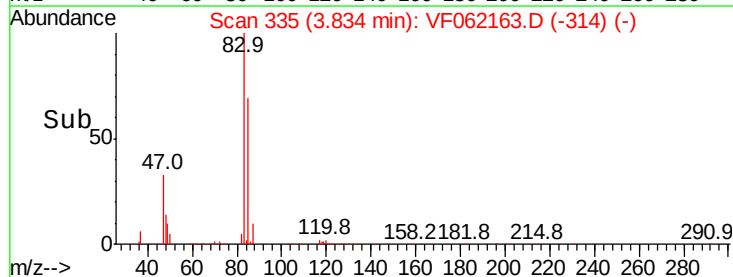
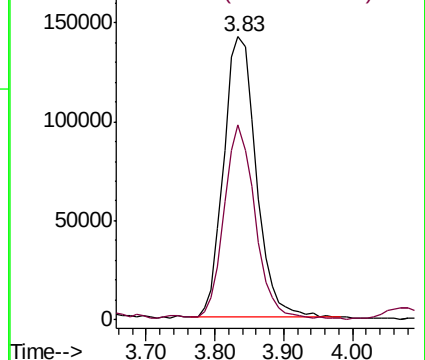
83 100

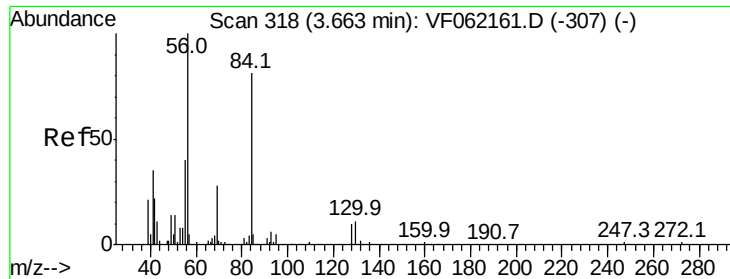
85 69.0 46.9 70.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

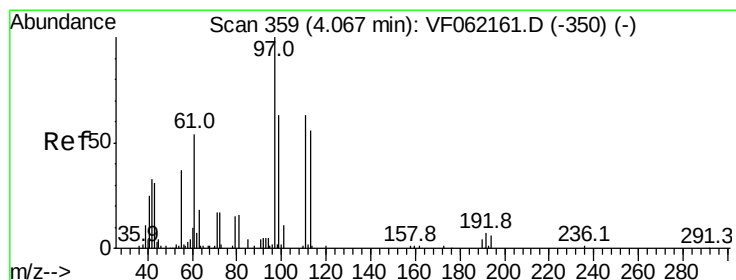
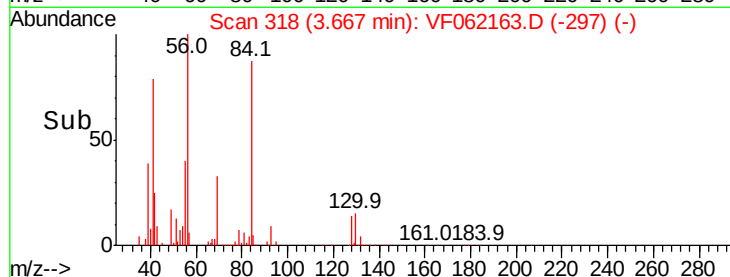
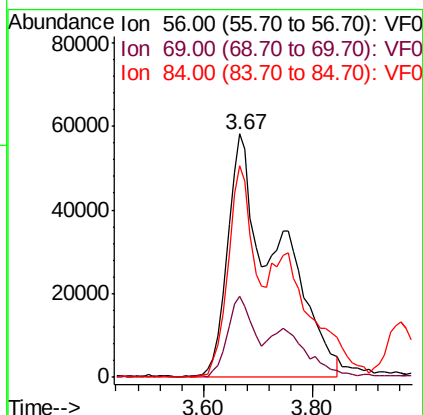
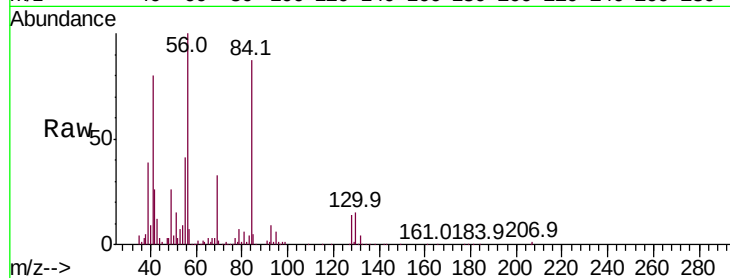




#31
Cyclohexane
Concen: 102.347 ug/l m
RT: 3.67 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

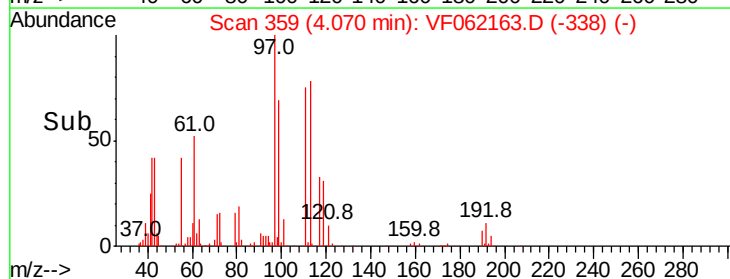
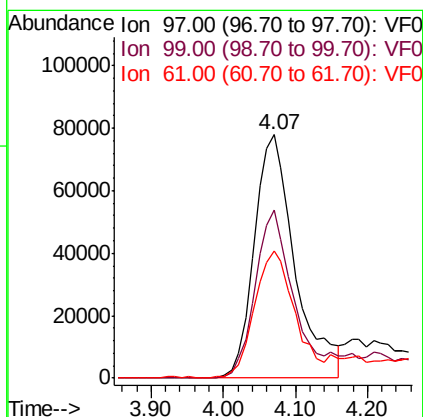
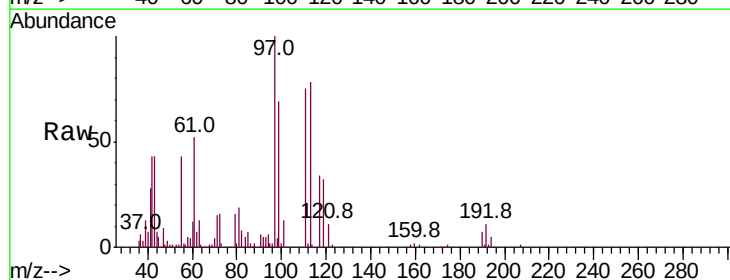
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

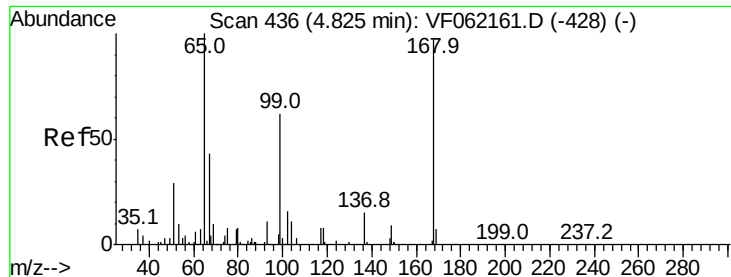
Tot Ion: 56 Resp: 366422
Ion Ratio Lower Upper
56 100
69 33.2 23.0 34.4
84 87.2 64.4 96.6



#32
1,1,1-Trichloroethane
Concen: 126.517 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion: 97 Resp: 305769
Ion Ratio Lower Upper
97 100
99 69.0 50.2 75.2
61 52.3 43.5 65.3

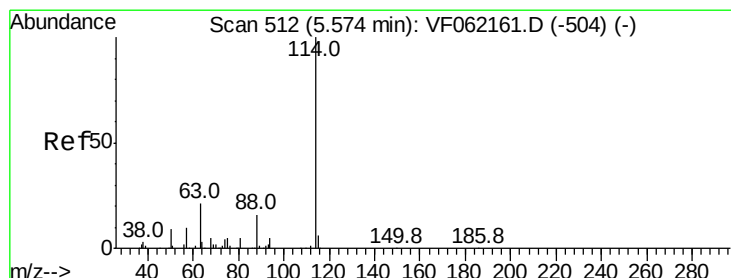
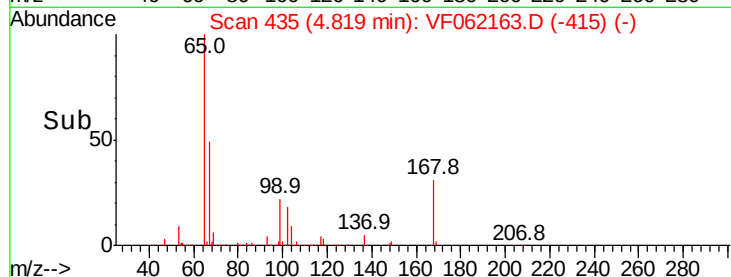
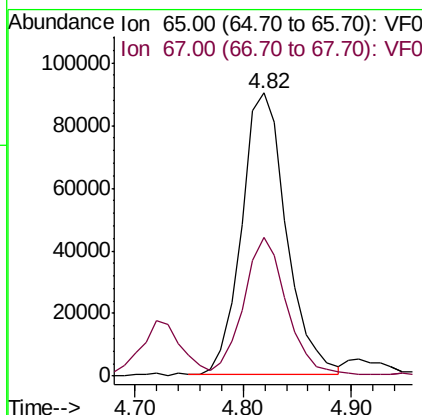
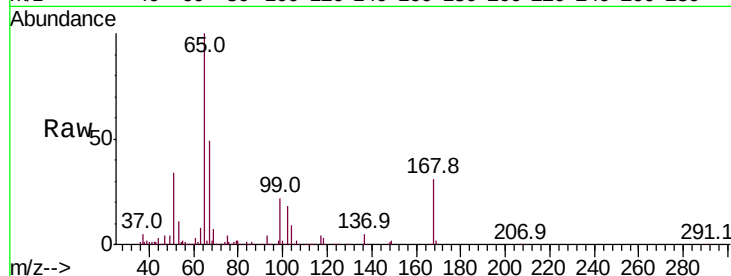




#33
 1,2-Dichloroethane-d4
 Concen: 148.448 ug/l
 RT: 4.82 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

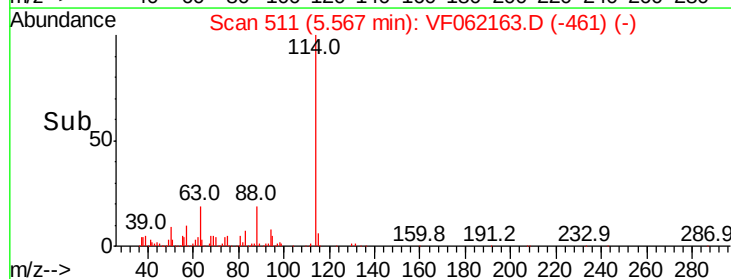
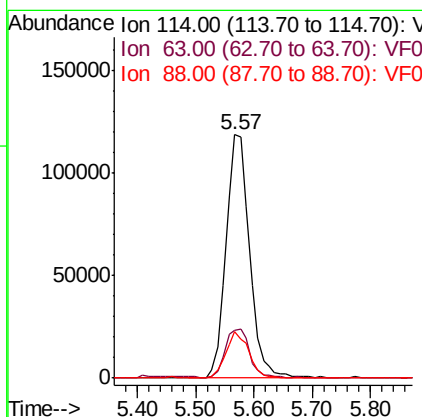
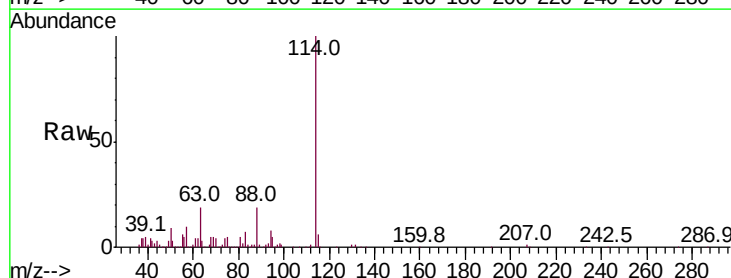
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

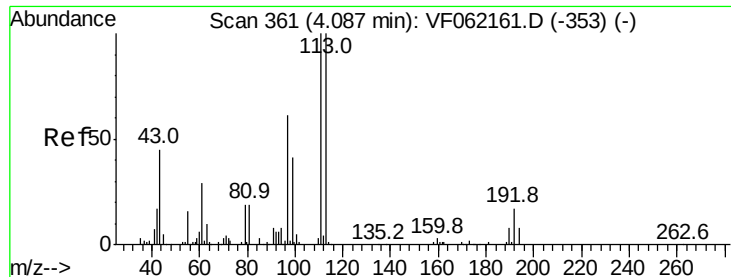
Tot Ion: 65 Resp: 258639
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 96.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Tgt Ion: 114 Resp: 333512
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.8
 88 19.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 117.990 ug/l

RT: 4.09 min Scan# 361

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

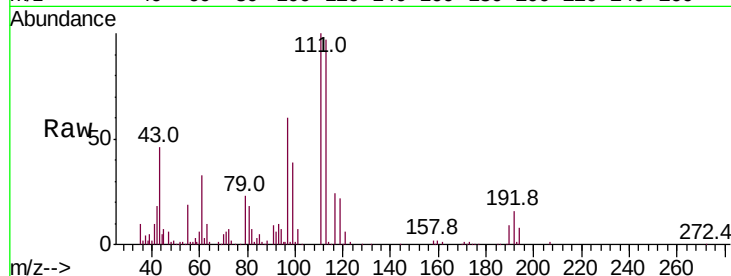
Tot Ion:113 Resp: 271348

Ion Ratio Lower Upper

113 100

111 103.3 79.8 119.6

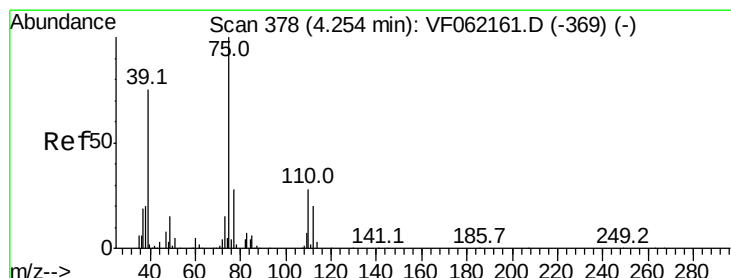
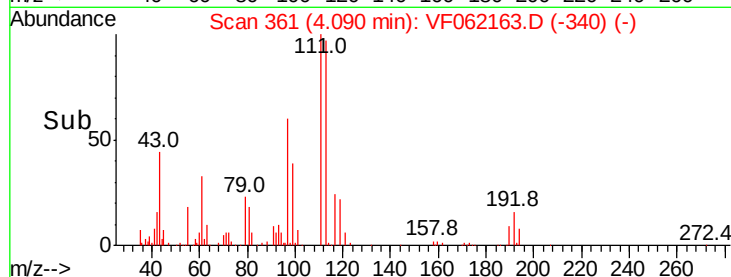
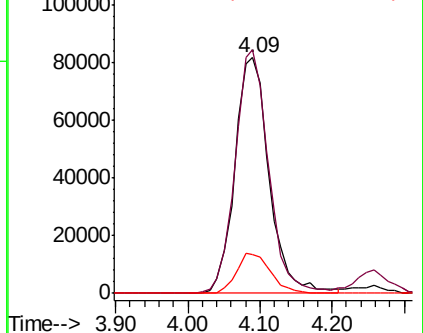
192 16.4 13.8 20.6



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: 123.895 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

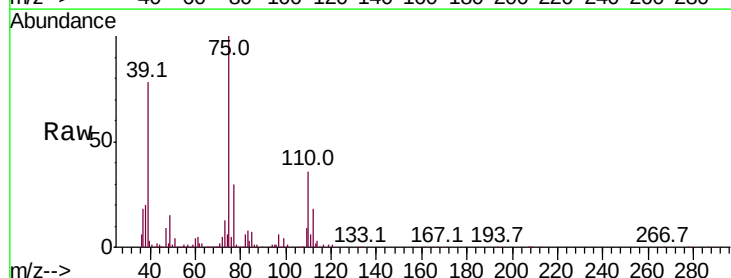
Tgt Ion: 75 Resp: 402462

Ion Ratio Lower Upper

75 100

110 35.8 13.9 41.7

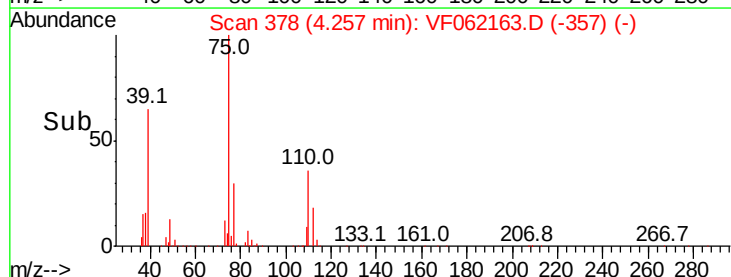
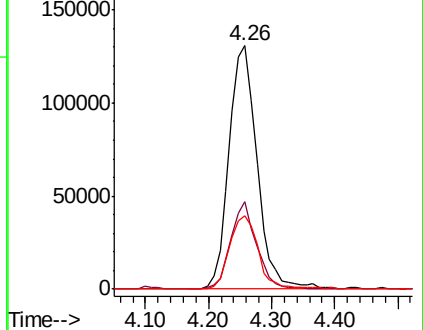
77 30.1 22.6 34.0

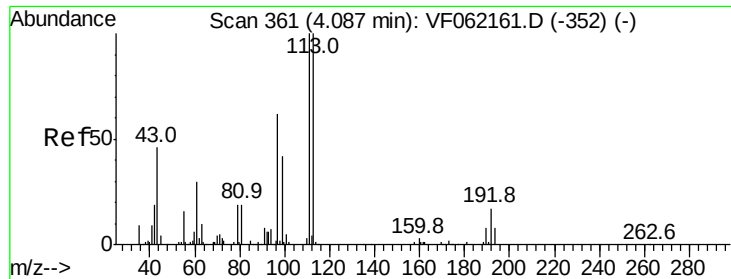


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 122.768 ug/l

RT: 4.08 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

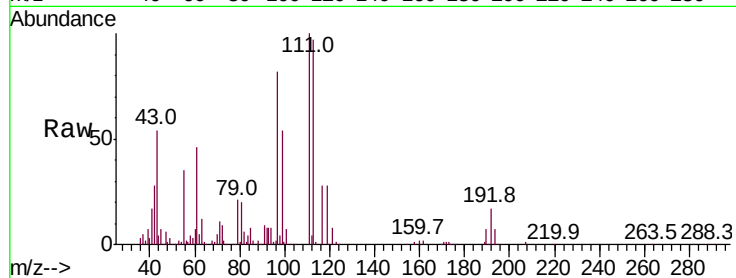
Tot Ion: 43 Resp: 173195

Ion Ratio Lower Upper

43 100

61 84.9 52.3 78.5#

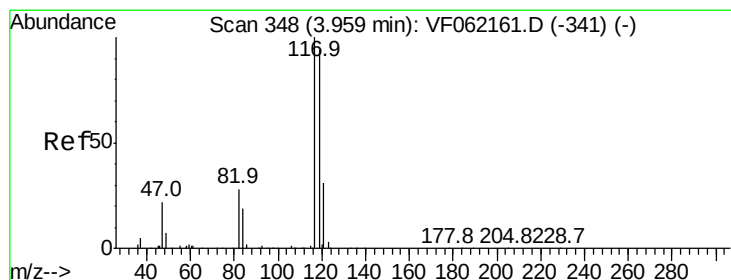
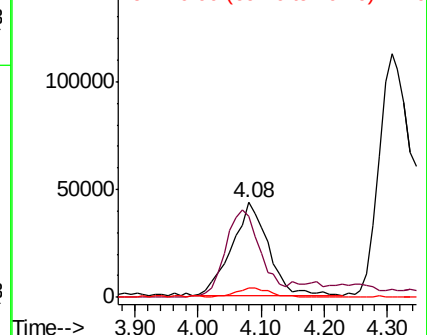
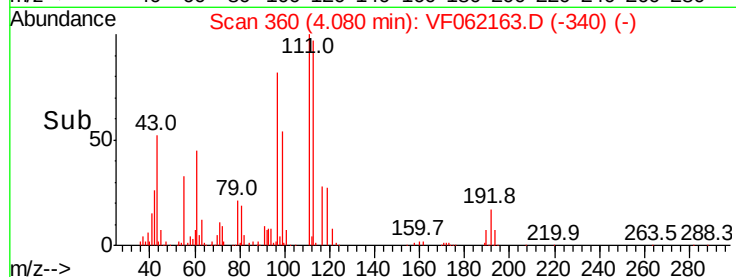
70 10.1 6.4 9.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 130.165 ug/l

RT: 3.96 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

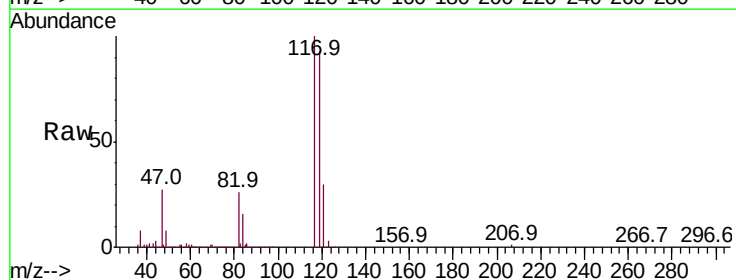
Tgt Ion: 117 Resp: 294239

Ion Ratio Lower Upper

117 100

119 93.1 75.5 113.3

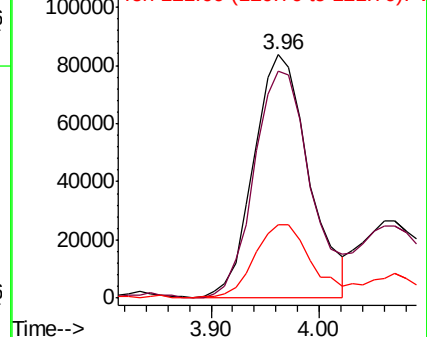
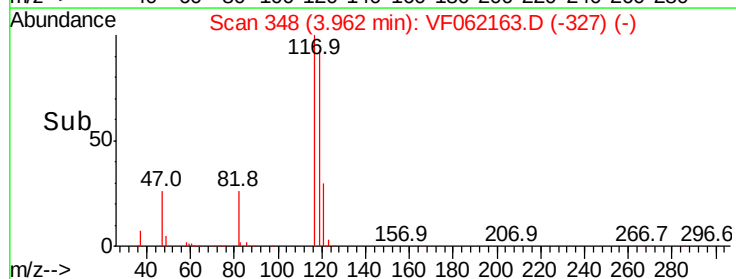
121 30.4 24.6 37.0

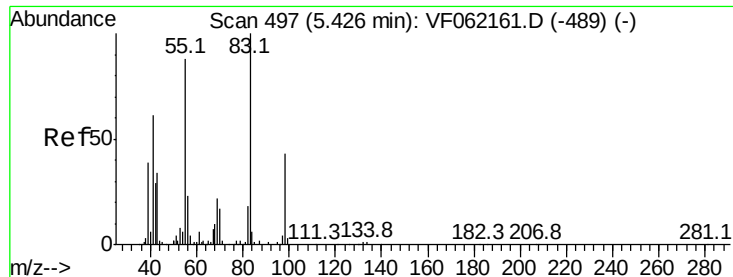


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

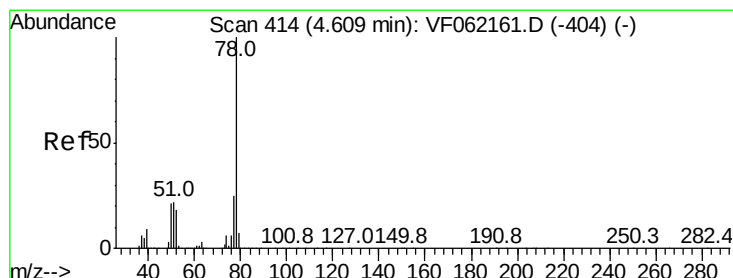
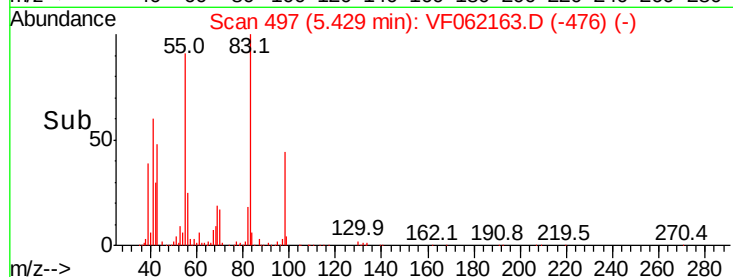
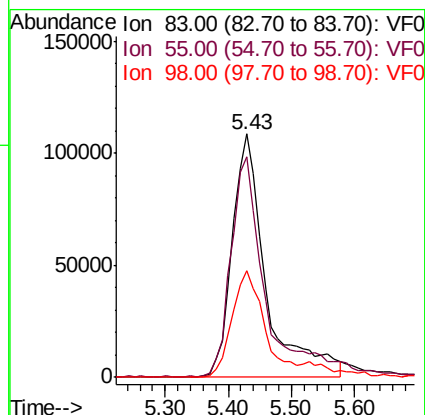
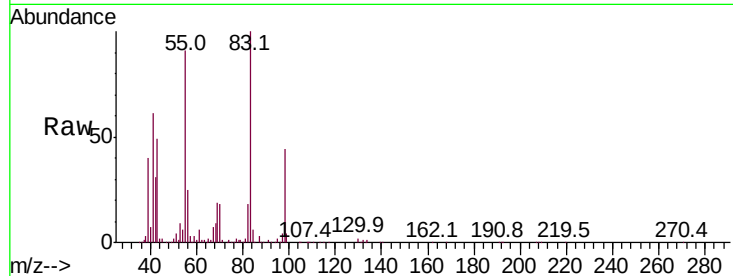




#39
Methylvlcyclohexane
Concen: 110.913 ug/l
RT: 5.43 min Scan# 497
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

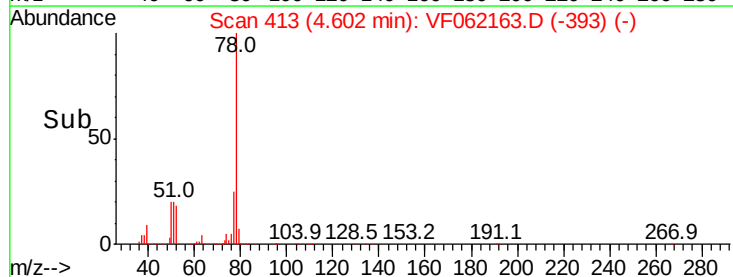
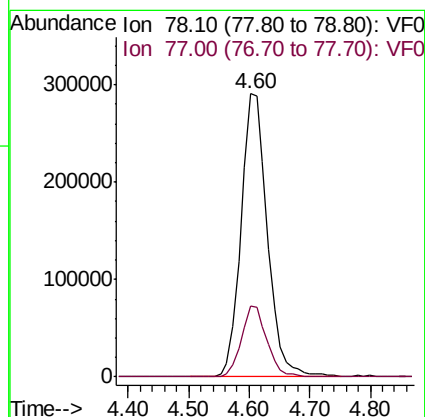
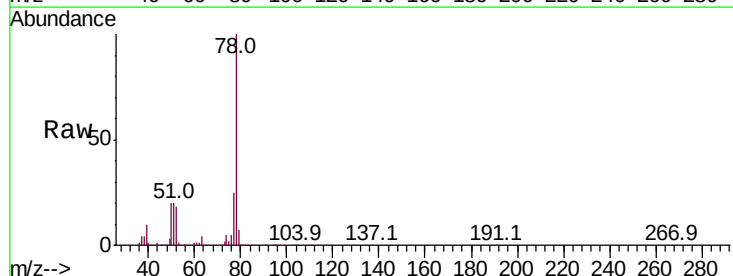
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

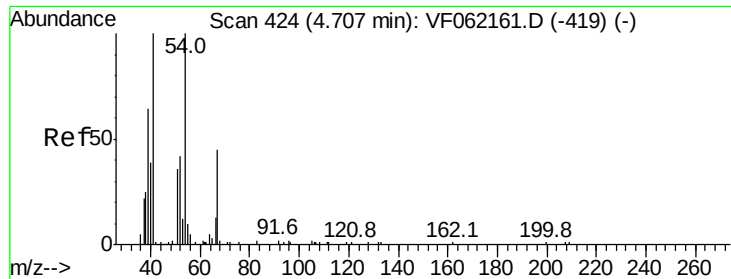
Tot Ion	83	Resp	400242
Ion	Ratio	Lower	Upper
83	100		
55	90.6	70.7	106.1
98	43.9	34.6	51.8



#40
Benzene
Concen: 104.488 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion	78	Resp	878208
Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.9	29.9

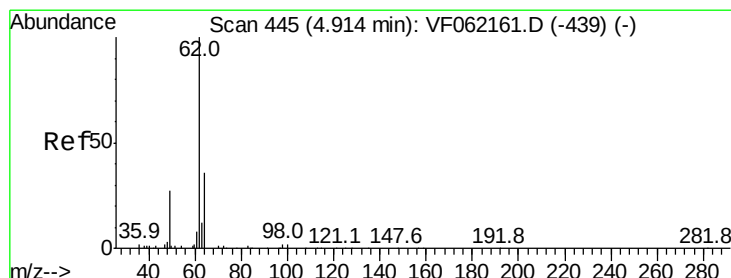
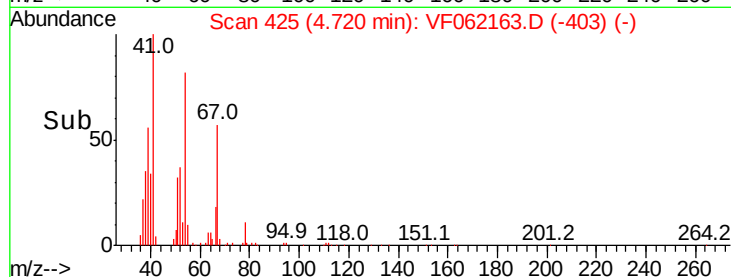
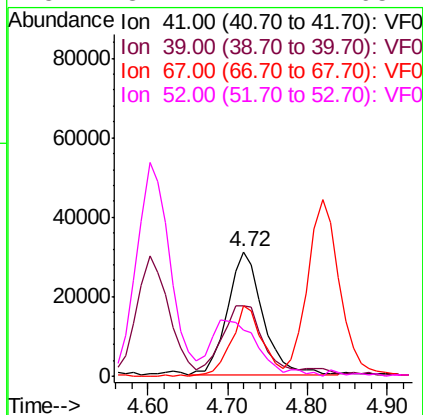
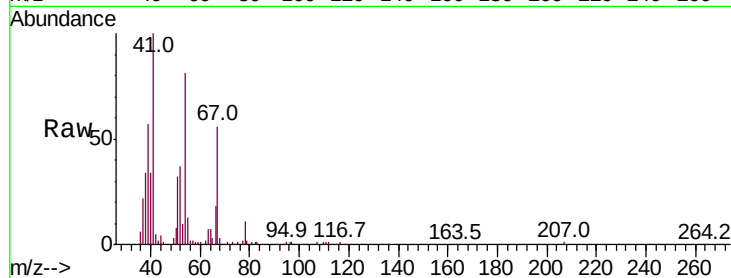




#41
Methacrylonitrile
Concen: 125.985 ug/l
RT: 4.72 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

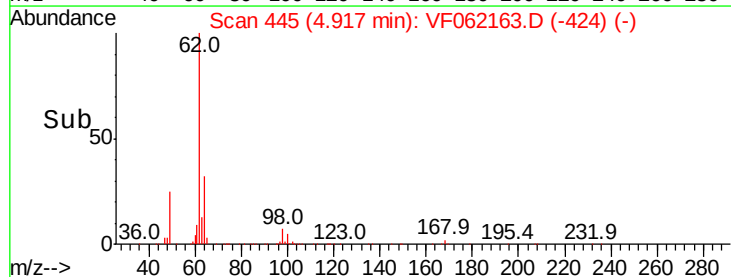
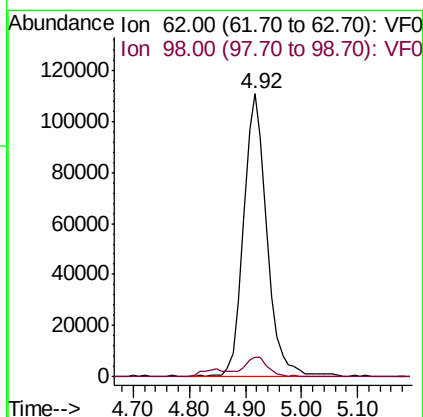
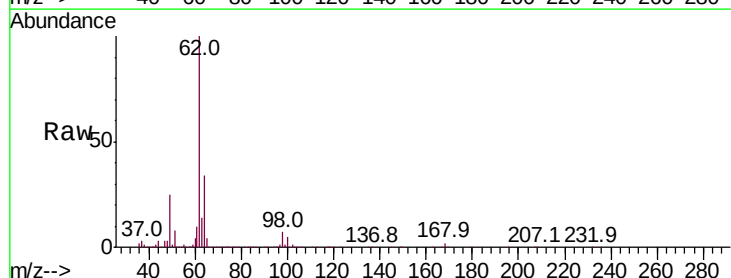
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

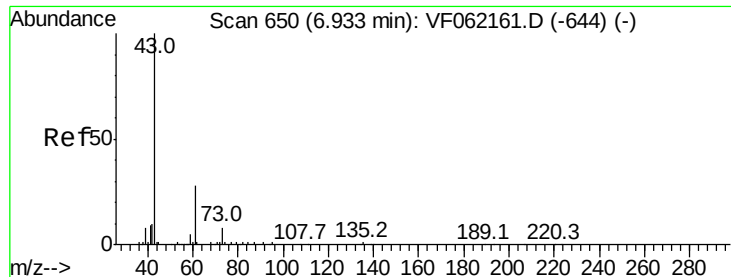
Tot Ion: 41 Resp: 94477
Ion Ratio Lower Upper
41 100
39 57.0 56.5 84.7
67 56.2 35.7 53.5#
52 37.1 42.2 63.4#



#42
1,2-Dichloroethane
Concen: 148.287 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion: 62 Resp: 319393
Ion Ratio Lower Upper
62 100
98 6.8 0.0 14.2





#43

Isopropyl Acetate

Concen: 118.378 ug/l

RT: 6.94 min Scan# 650

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

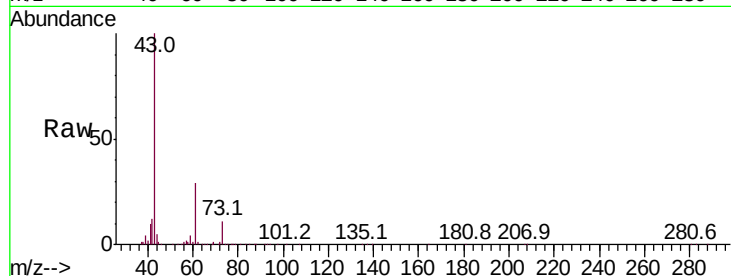
Tot Ion: 43 Resp: 198793

Ion Ratio Lower Upper

43 100

61 29.1 22.5 33.7

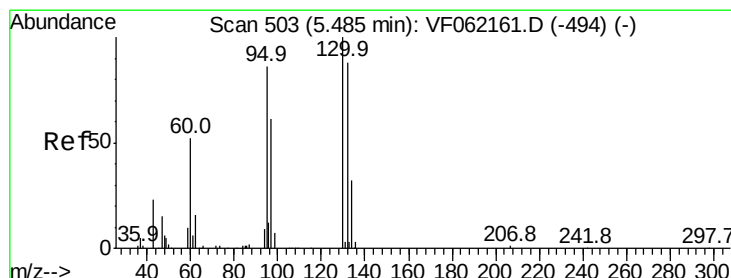
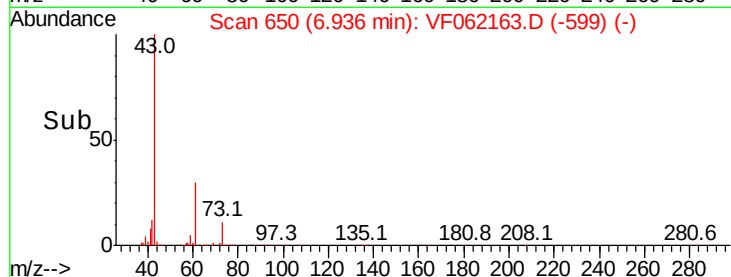
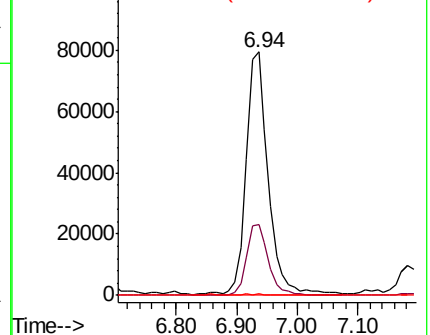
87 0.5 0.5 0.7



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: 107.484 ug/l

RT: 5.48 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF062163.D

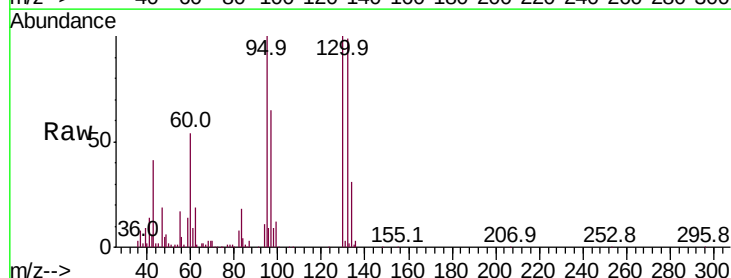
Acq: 4 Apr 2019 18:04

Tgt Ion:130 Resp: 276968

Ion Ratio Lower Upper

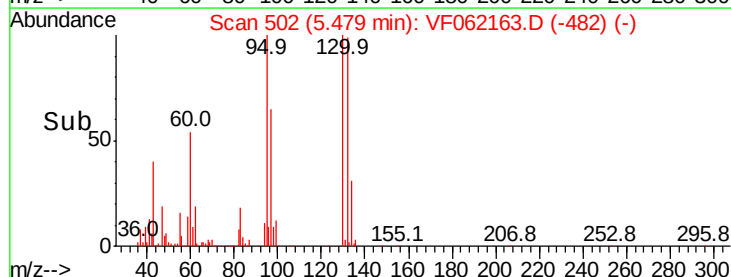
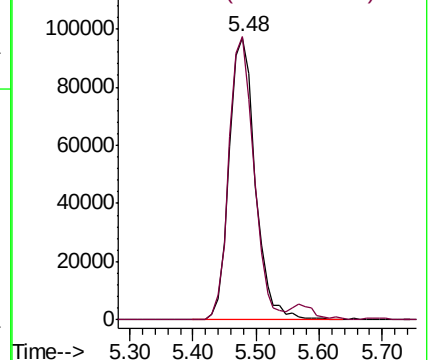
130 100

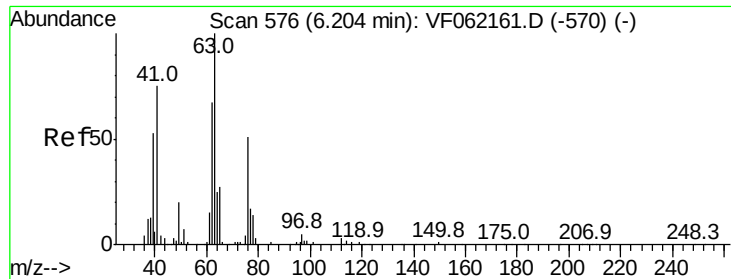
95 100.3 0.0 172.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 104.337 ug/l

RT: 6.21 min Scan# 576

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

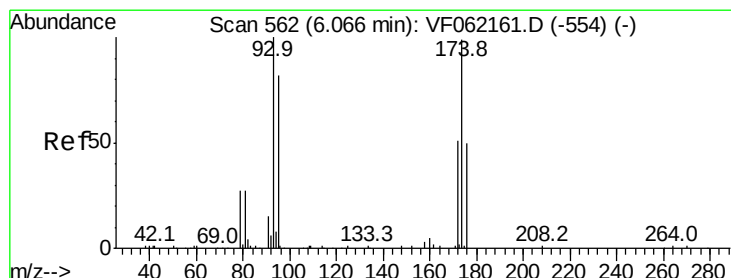
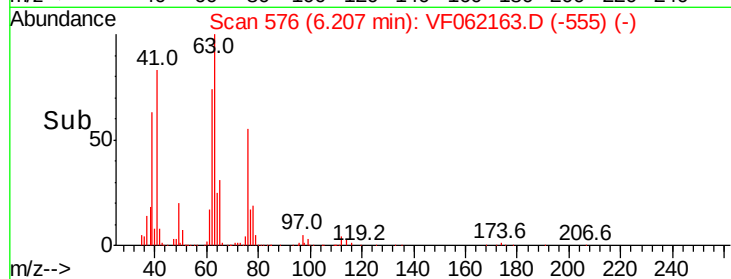
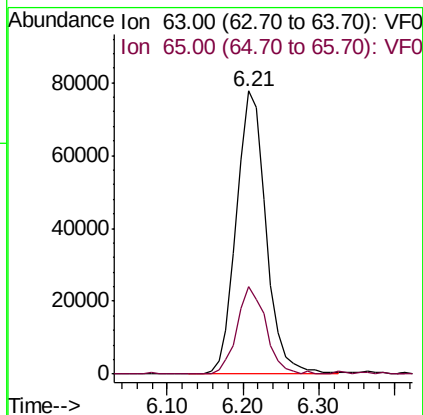
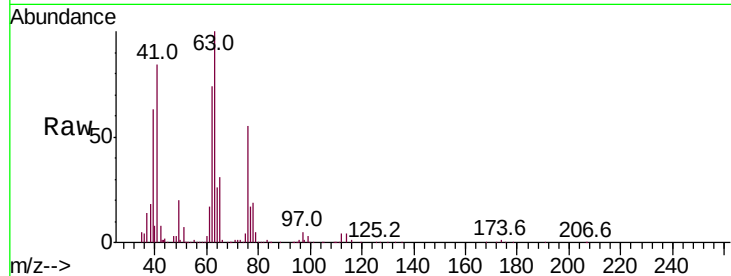
VSTDIC100

Tot Ion: 63 Resp: 210755

Ion Ratio Lower Upper

63 100

65 31.1 21.8 32.6



#46

Dibromomethane

Concen: 107.984 ug/l

RT: 6.06 min Scan# 561

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

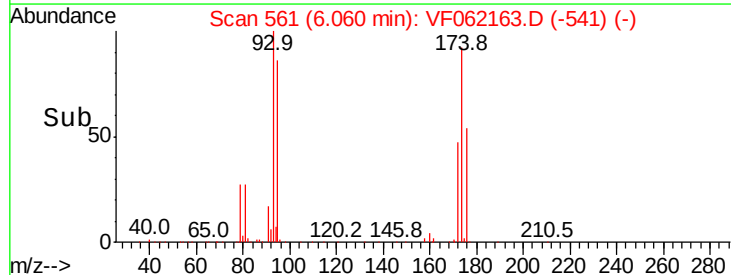
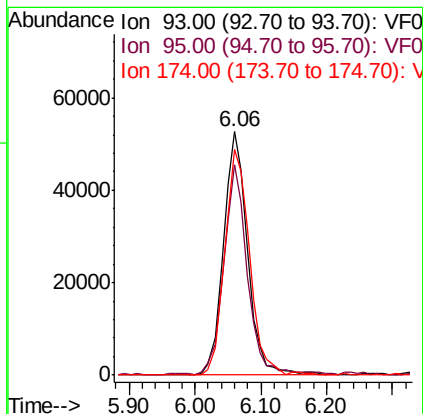
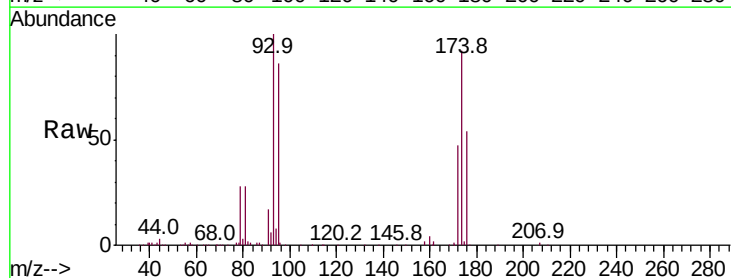
Tgt Ion: 93 Resp: 134984

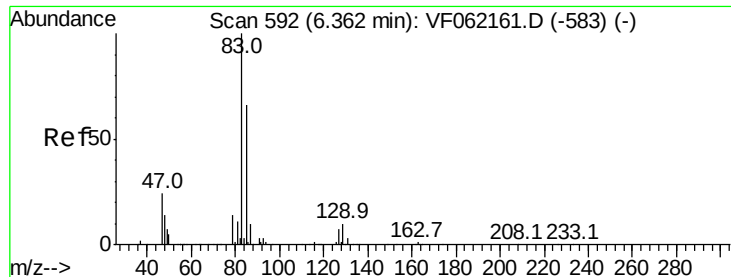
Ion Ratio Lower Upper

93 100

95 86.3 66.5 99.7

174 92.5 79.2 118.8





#47

Bromodichloromethane

Concen: 126.331 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

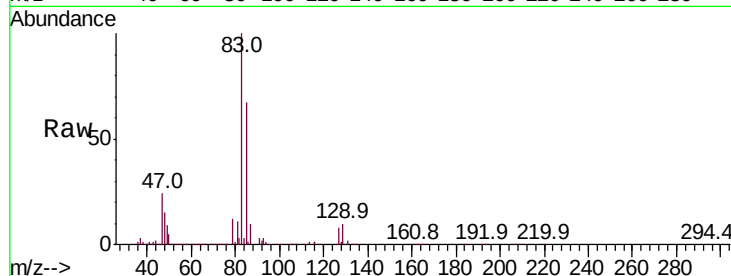
Tot Ion: 83 Resp: 361142

Ion Ratio Lower Upper

83 100

85 66.6 52.9 79.3

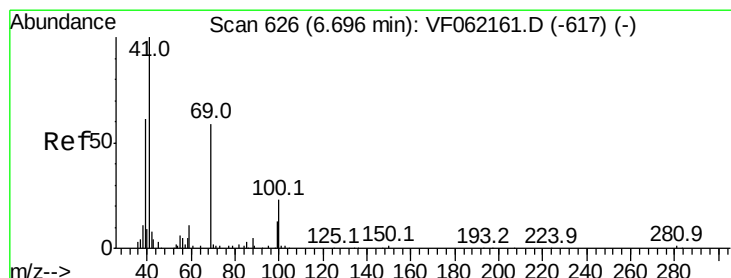
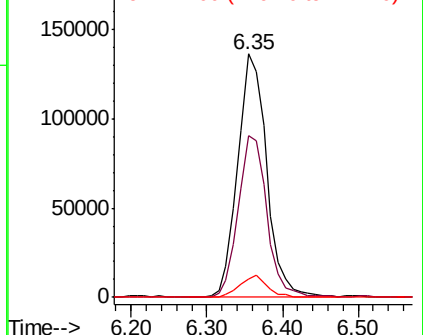
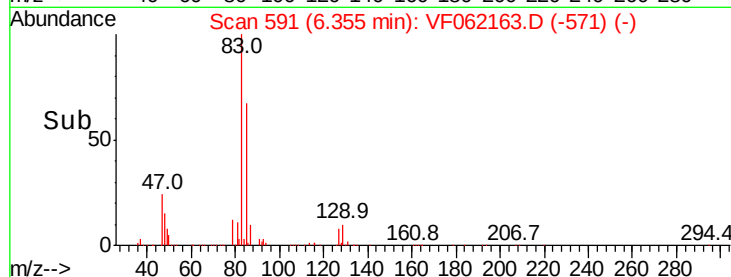
127 7.7 5.9 8.9



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: 138.113 ug/l

RT: 6.69 min Scan# 625

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

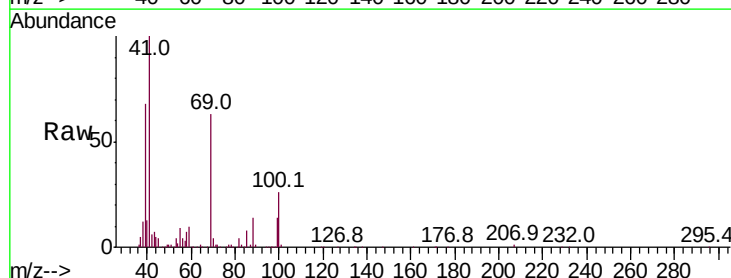
Tgt Ion: 41 Resp: 139656

Ion Ratio Lower Upper

41 100

69 62.9 46.7 70.1

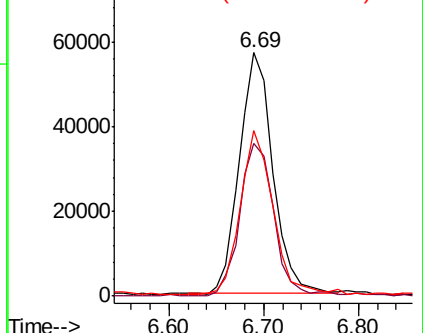
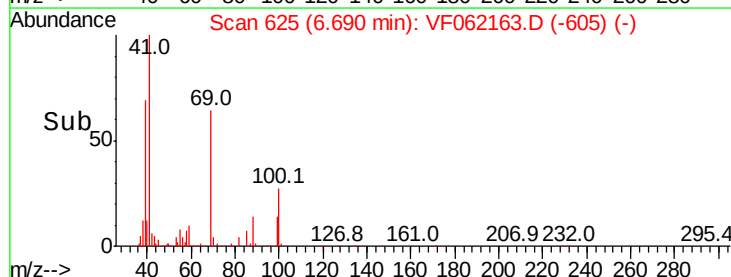
39 68.2 51.4 77.0

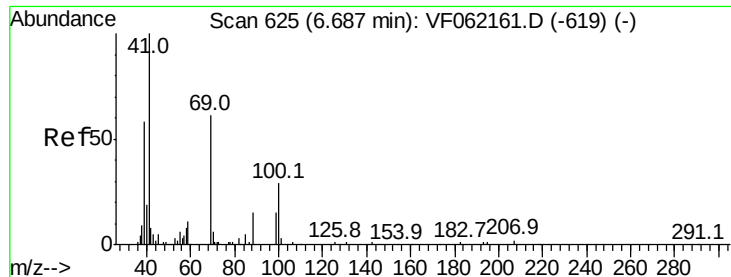


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

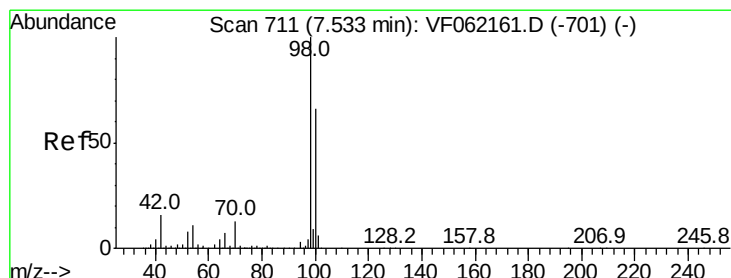
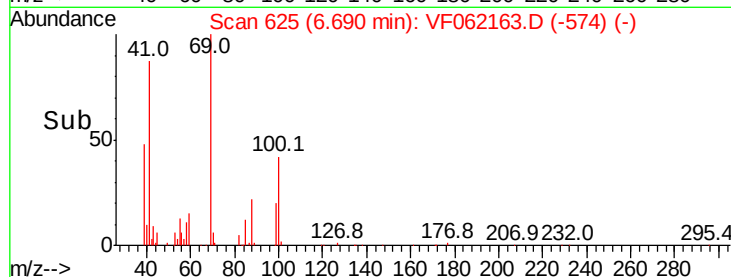
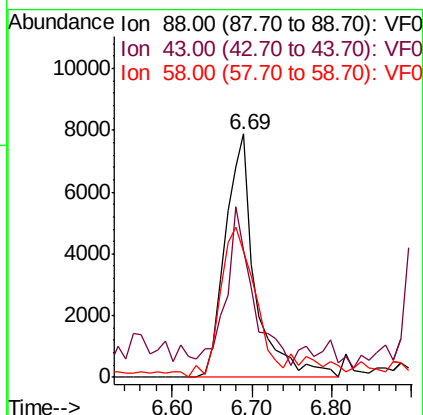
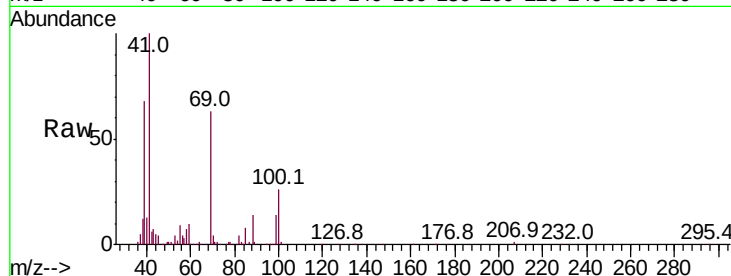




#49
1,4-Dioxane
Concen: 2533.014 ug/l
RT: 6.69 min Scan# 625
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

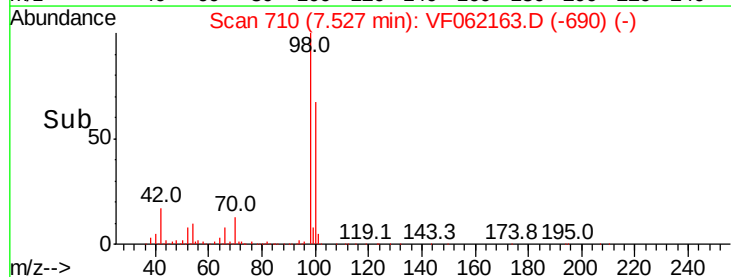
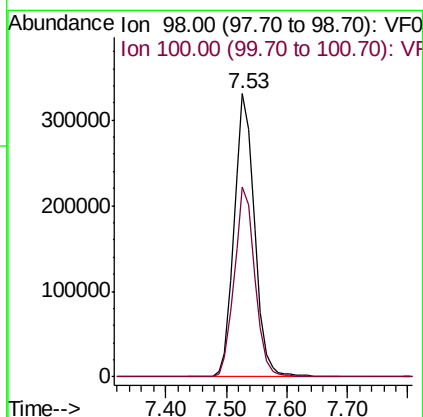
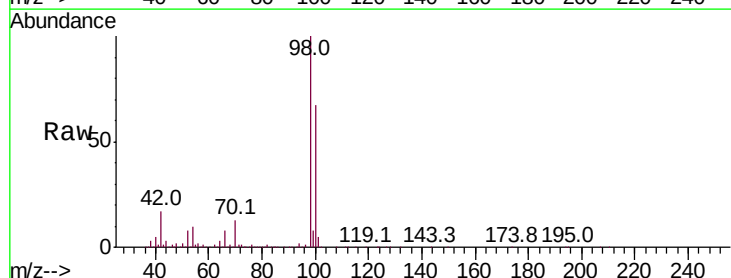
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

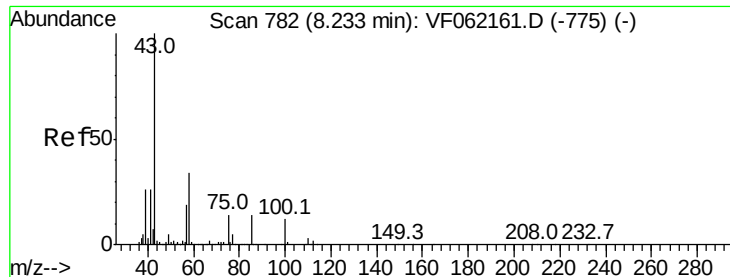
Tot Ion: 88 Resp: 20726
Ion Ratio Lower Upper
88 100
43 52.2 51.0 76.6
58 51.6 41.3 61.9



#50
Toluene-d8
Concen: 113.631 ug/l
RT: 7.53 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion: 98 Resp: 774247
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 600.188 ug/l

RT: 8.24 min Scan# 782

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

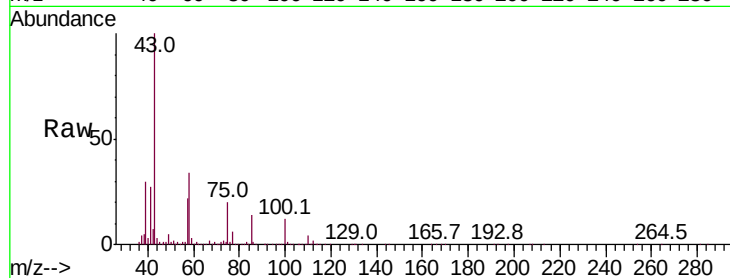
VSTDIC100

Tot Ion: 43 Resp: 690454

Ion Ratio Lower Upper

43 100

58 33.9 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

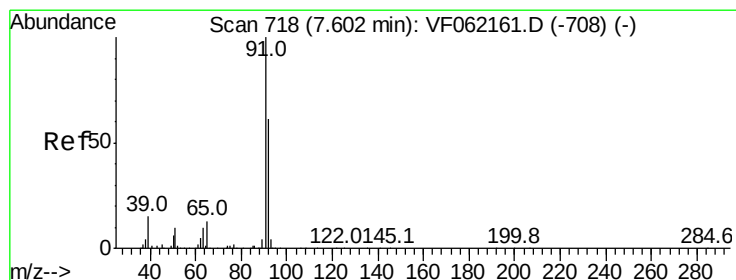
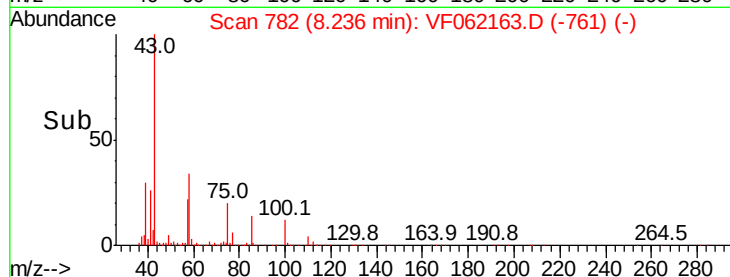
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 112.860 ug/l

RT: 7.61 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF062163.D

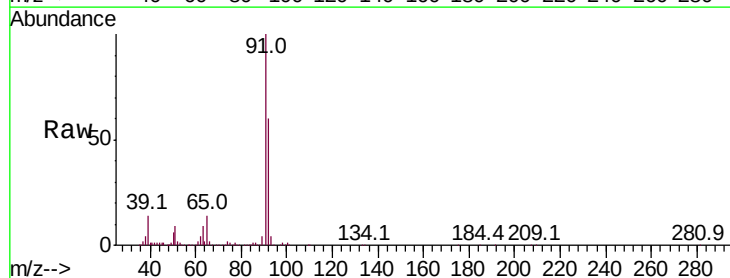
Acq: 4 Apr 2019 18:04

Tgt Ion: 92 Resp: 559434

Ion Ratio Lower Upper

92 100

91 165.9 130.8 196.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

400000

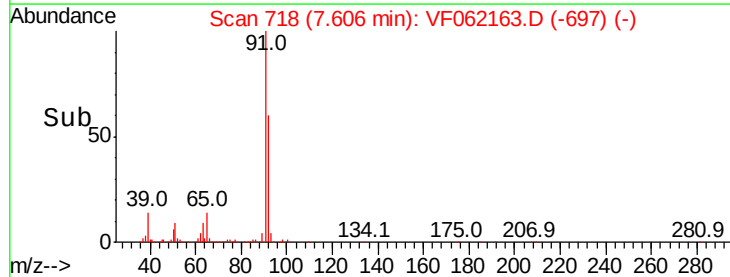
300000

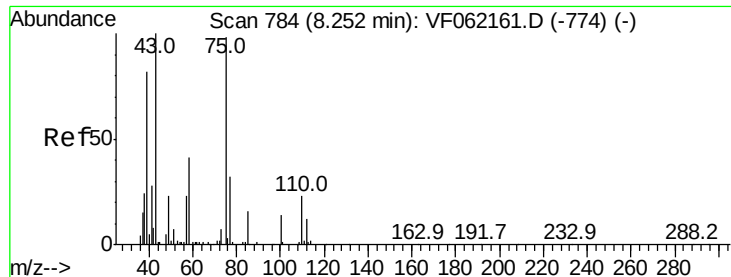
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 139.779 ug/l

RT: 8.26 min Scan# 784

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

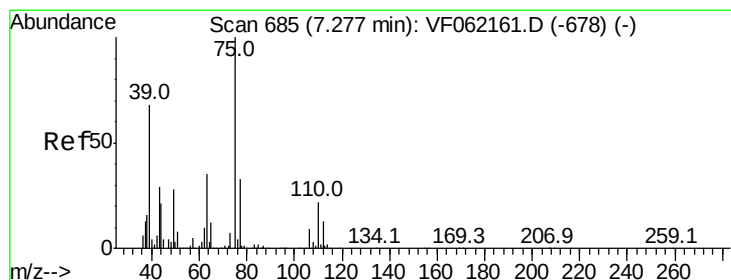
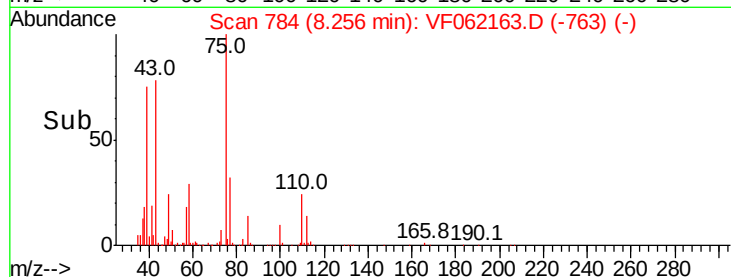
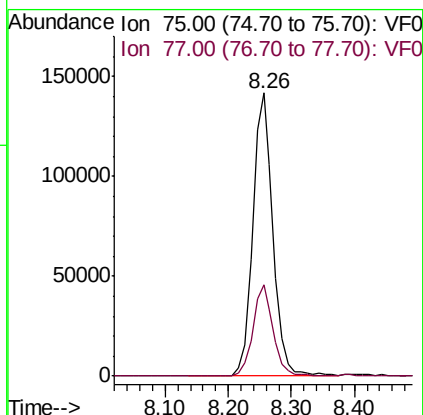
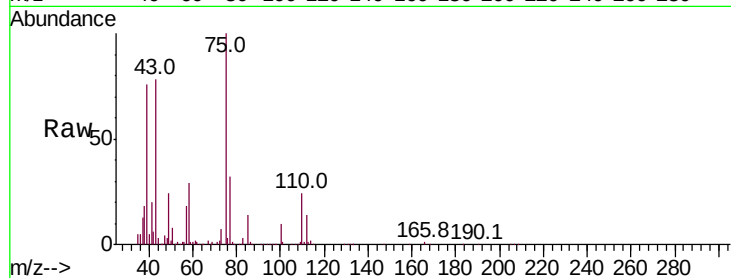
VSTDIC100

Tot Ion: 75 Resp: 316319

Ion Ratio Lower Upper

75 100

77 32.3 26.6 39.8



#54

cis-1,3-Dichloropropene

Concen: 119.528 ug/l

RT: 7.27 min Scan# 684

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

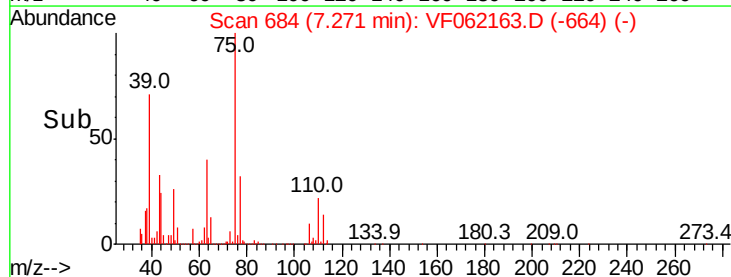
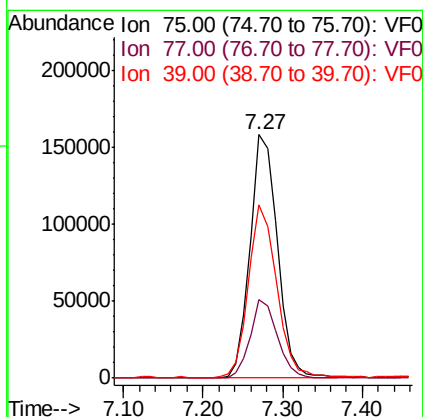
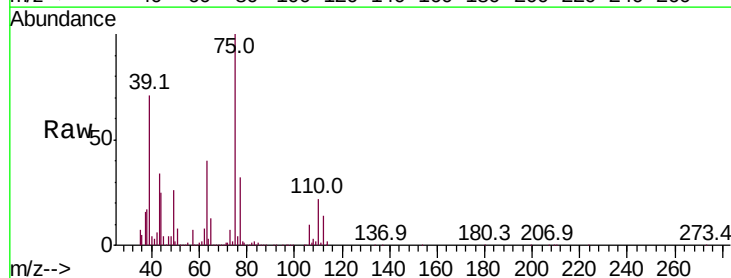
Tgt Ion: 75 Resp: 374336

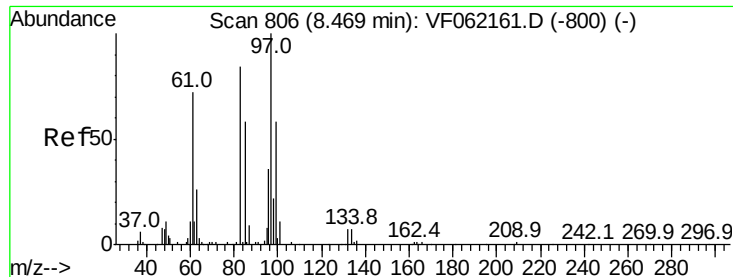
Ion Ratio Lower Upper

75 100

77 32.4 26.7 40.1

39 71.0 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 110.436 ug/l

RT: 8.46 min Scan# 805

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 153714

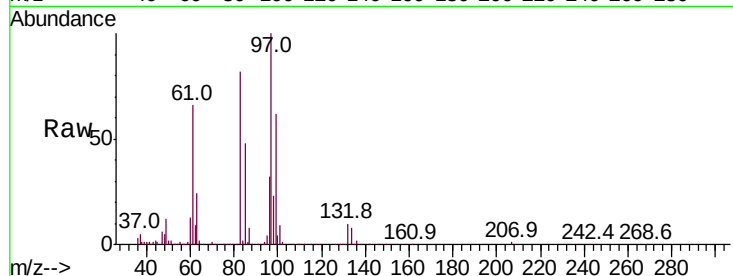
Ion Ratio Lower Upper

97 100

83 81.5 67.4 101.0

85 47.7 46.6 70.0

99 62.3 46.5 69.7

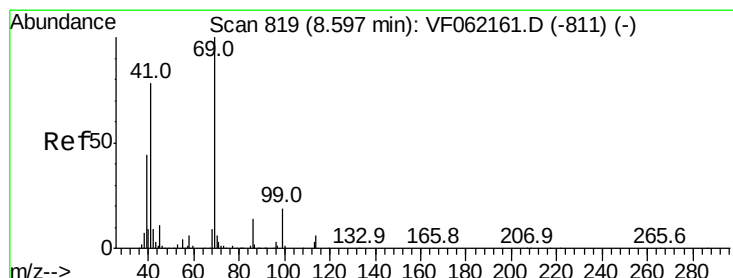
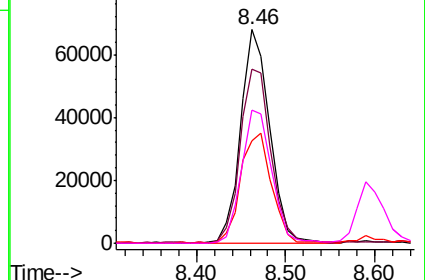
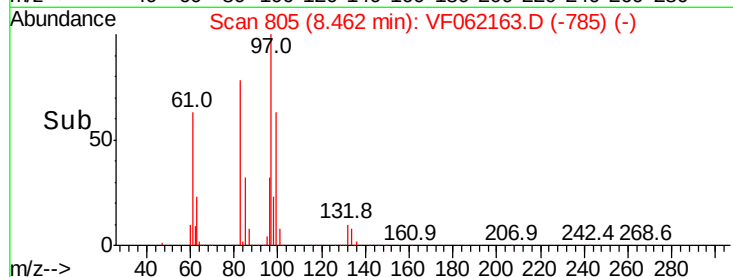


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 112.467 ug/l

RT: 8.59 min Scan# 818

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

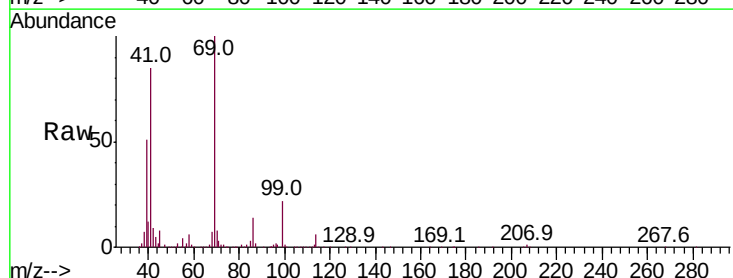
Tgt Ion: 69 Resp: 190452

Ion Ratio Lower Upper

69 100

41 84.6 63.0 94.4

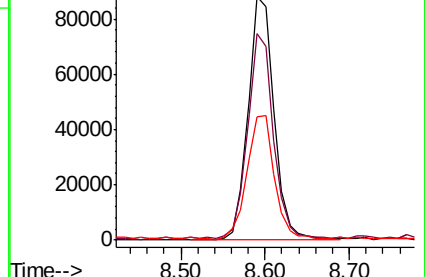
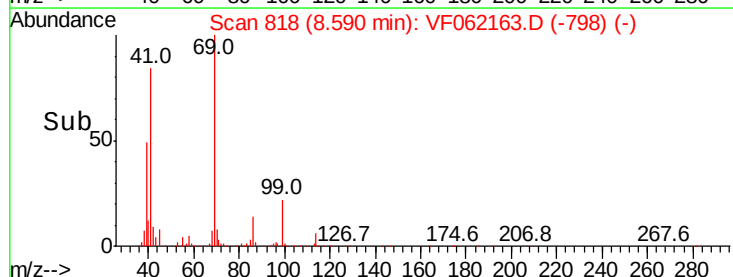
39 50.6 36.1 54.1

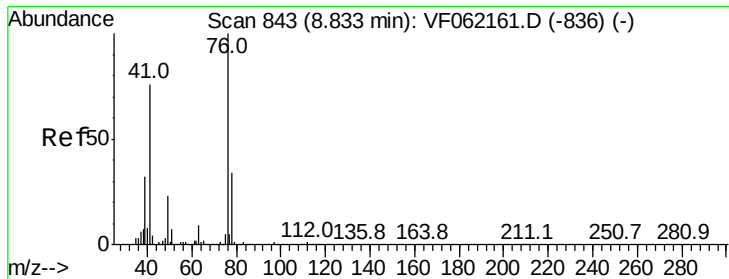


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 110.917 ug/l

RT: 8.83 min Scan# 842

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

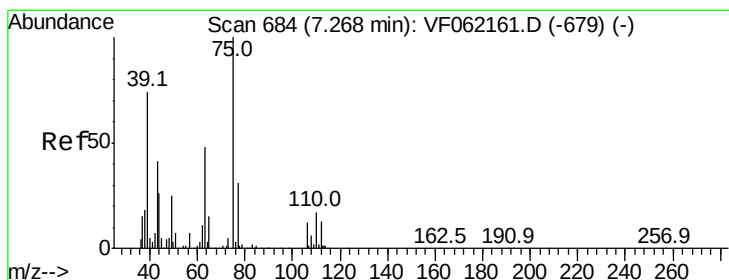
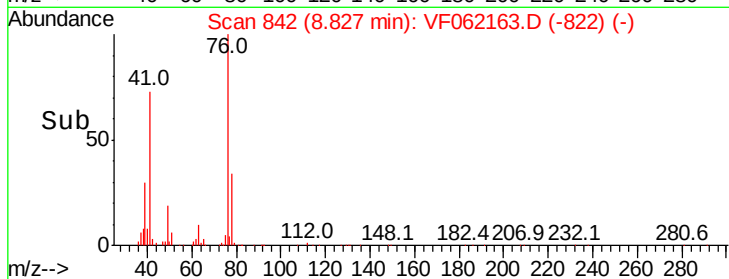
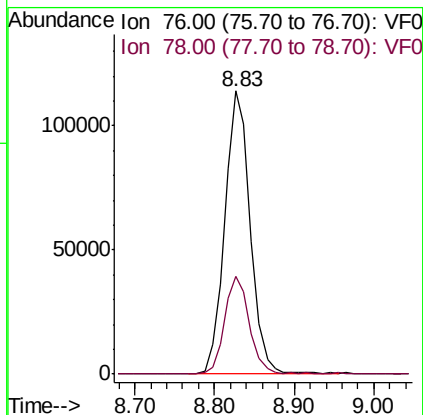
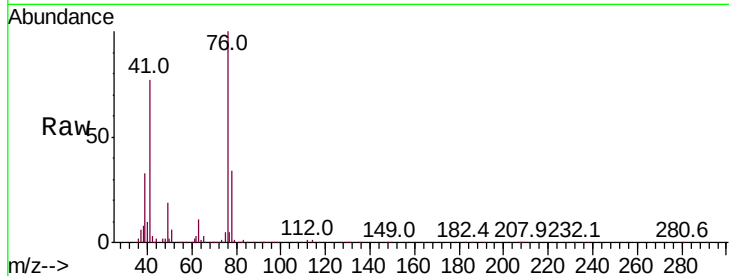
VSTDIC100

Tot Ion: 76 Resp: 256086

Ion Ratio Lower Upper

76 100

78 34.4 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 557.115 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062163.D

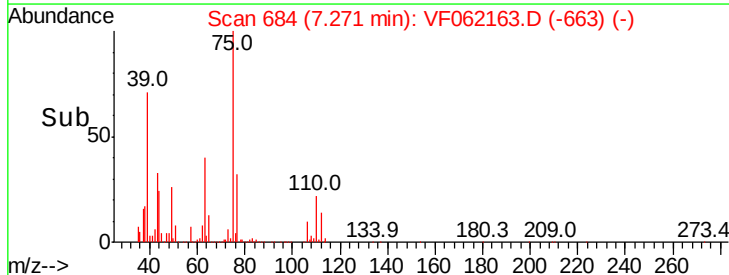
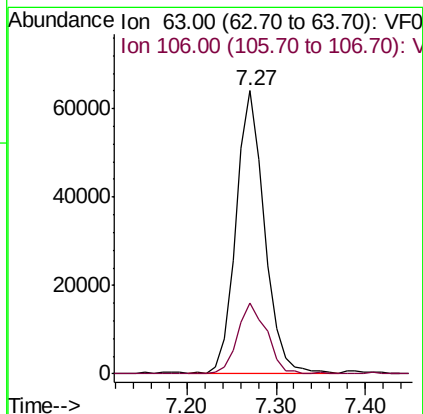
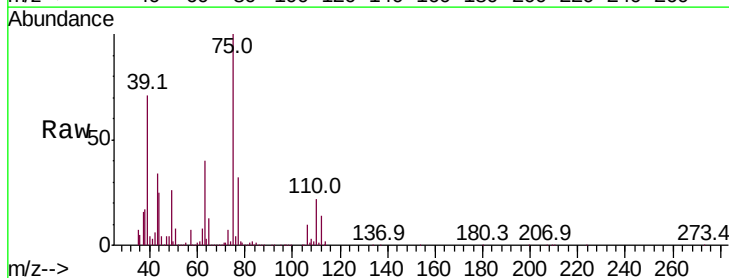
Acq: 4 Apr 2019 18:04

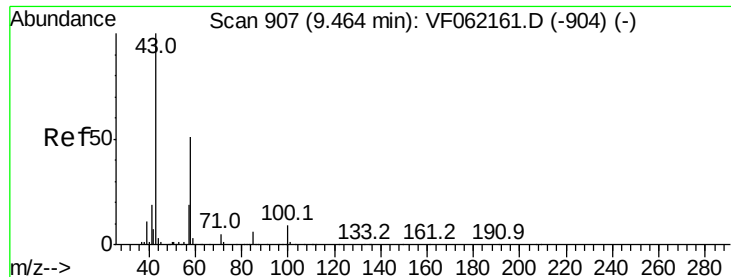
Tgt Ion: 63 Resp: 141671

Ion Ratio Lower Upper

63 100

106 25.1 20.6 31.0

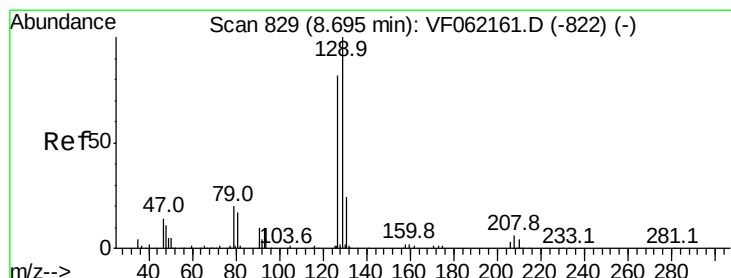
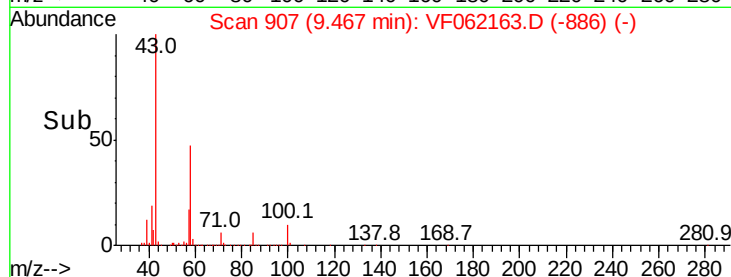
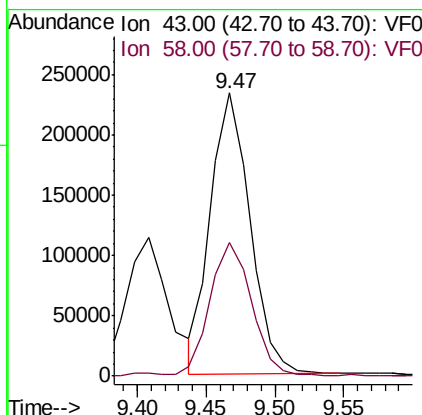
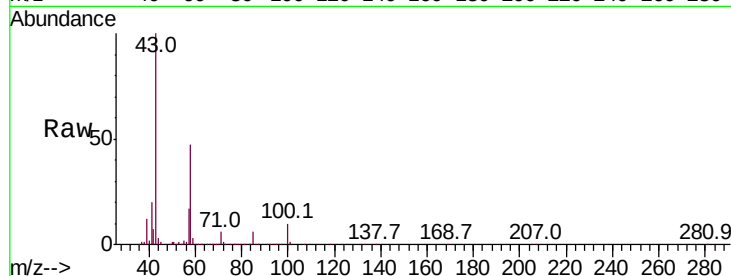




#59
2-Hexanone
Concen: 557.089 ug/l
RT: 9.47 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

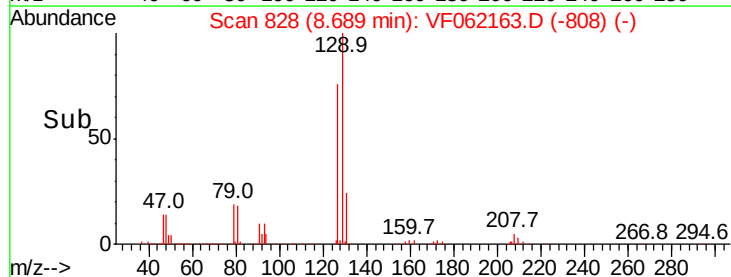
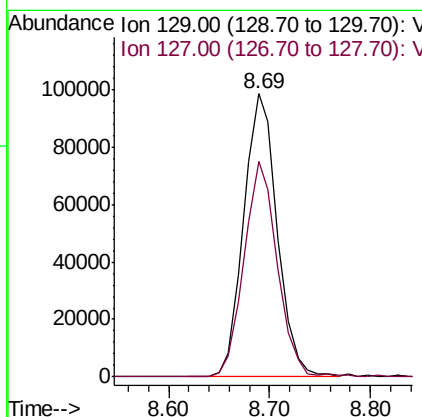
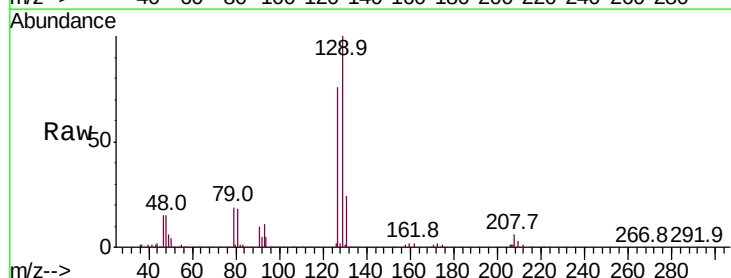
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

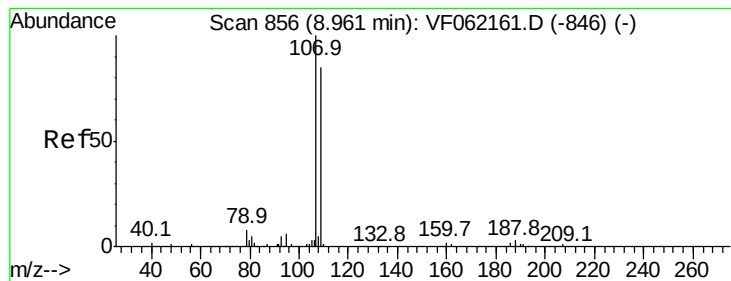
Tot Ion: 43 Resp: 466522
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9



#60
Dibromochloromethane
Concen: 116.207 ug/l
RT: 8.69 min Scan# 828
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion: 129 Resp: 227881
Ion Ratio Lower Upper
129 100
127 76.0 40.9 122.7





#61

1,2-Dibromoethane

Concen: 111.946 ug/l

RT: 8.96 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

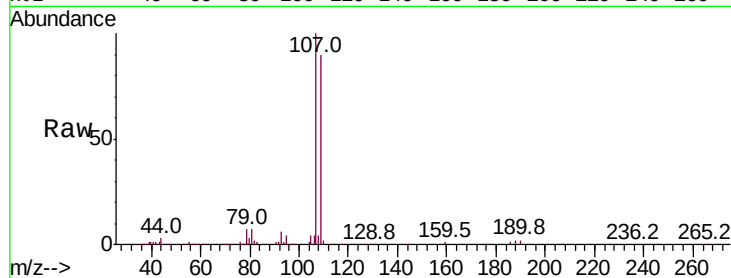
VSTDIC100

Tot Ion:107 Resp: 166053

Ion Ratio Lower Upper

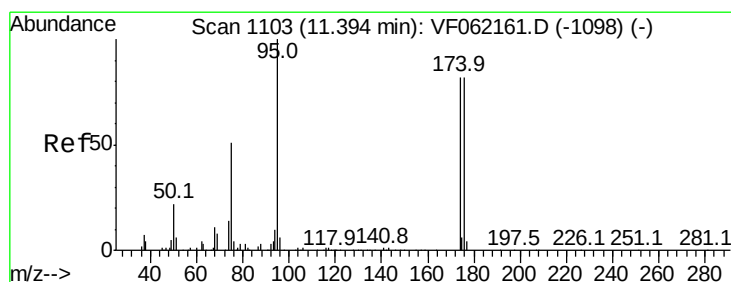
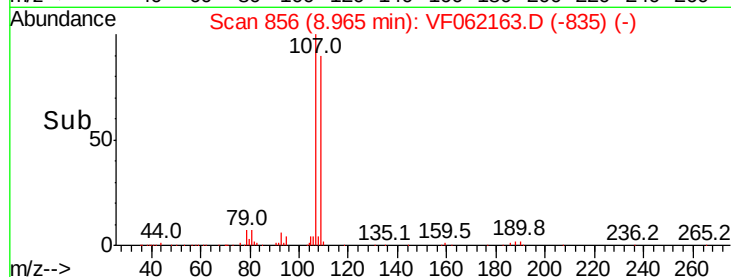
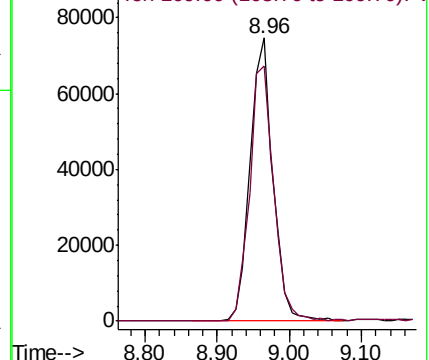
107 100

109 90.0 68.4 102.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 115.992 ug/l

RT: 11.39 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

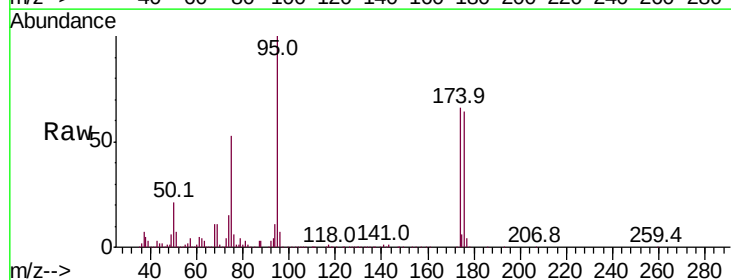
Tgt Ion: 95 Resp: 307740

Ion Ratio Lower Upper

95 100

174 65.6 0.0 164.8

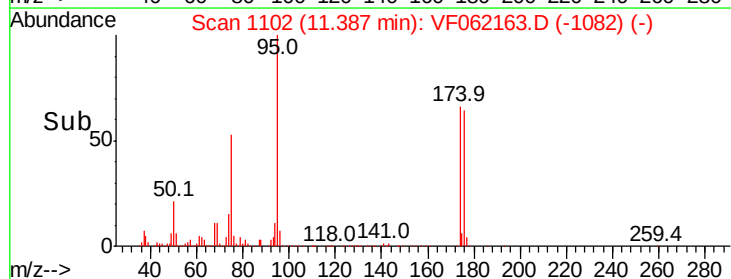
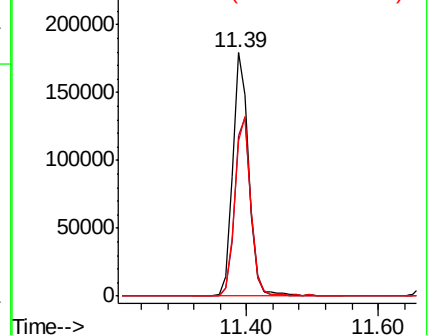
176 64.0 0.0 164.6

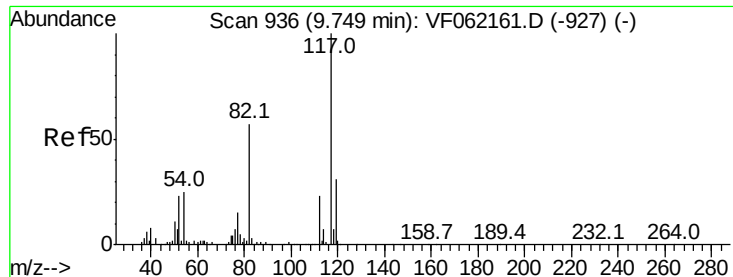


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

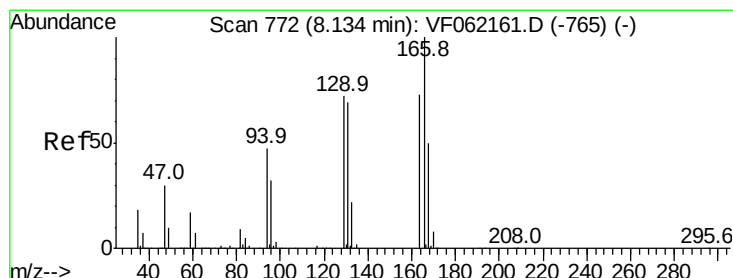
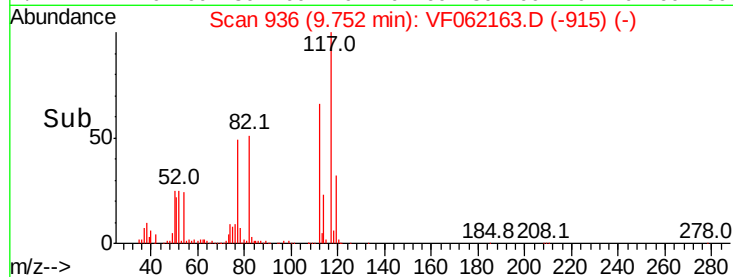
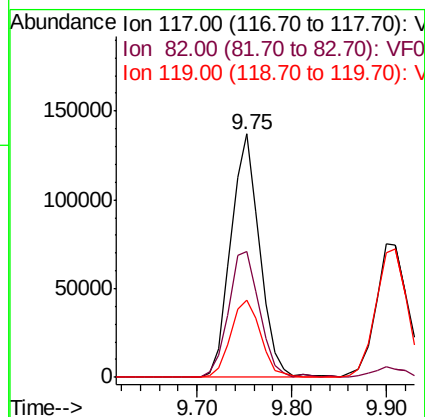
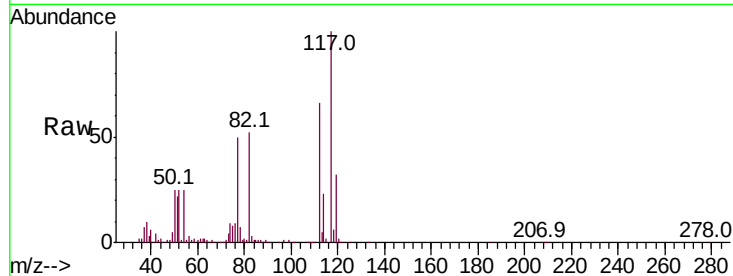




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

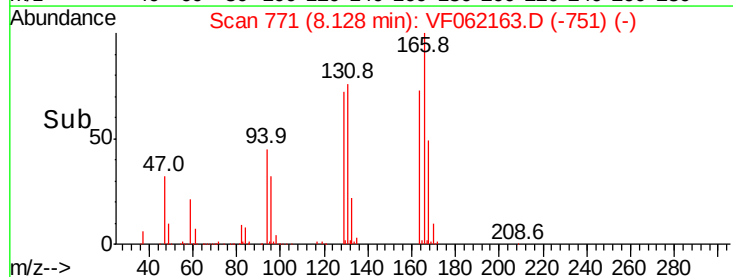
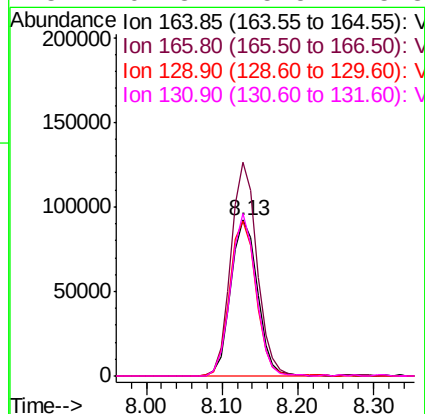
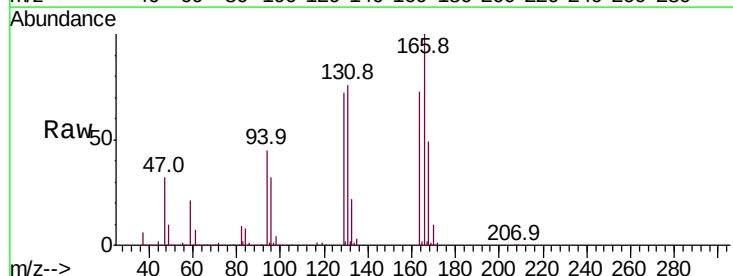
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

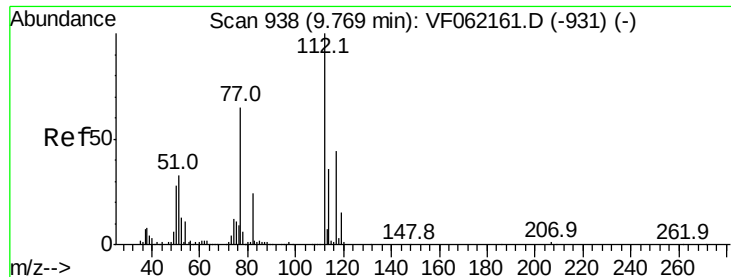
Tot Ion:117 Resp: 289318
Ion Ratio Lower Upper
117 100
82 51.6 45.5 68.3
119 31.8 24.9 37.3



#64
Tetrachloroethene
Concen: 100.924 ug/l
RT: 8.13 min Scan# 771
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion:164 Resp: 224890
Ion Ratio Lower Upper
164 100
166 137.0 110.2 165.2
129 99.3 79.0 118.6
131 104.3 75.5 113.3

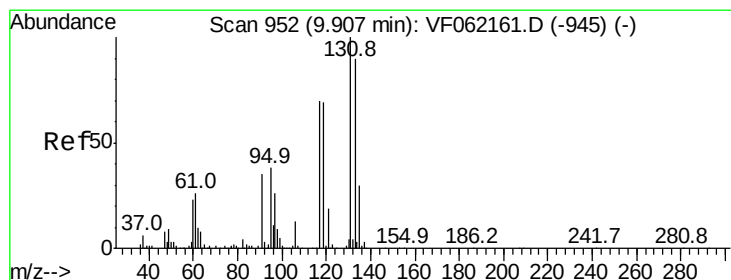
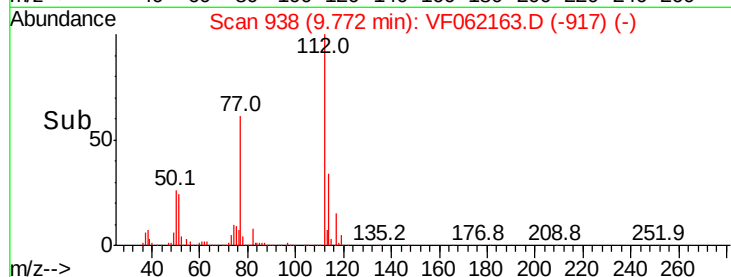
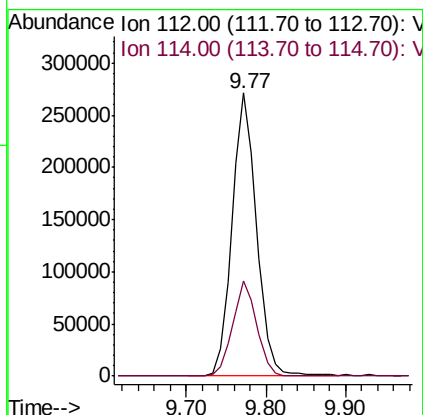
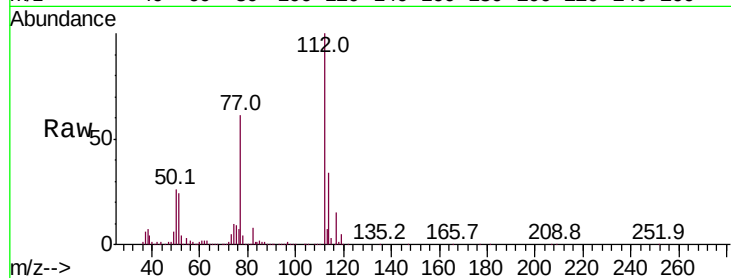




#65
Chlorobenzene
Concen: 106.394 ug/l
RT: 9.77 min Scan# 938
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

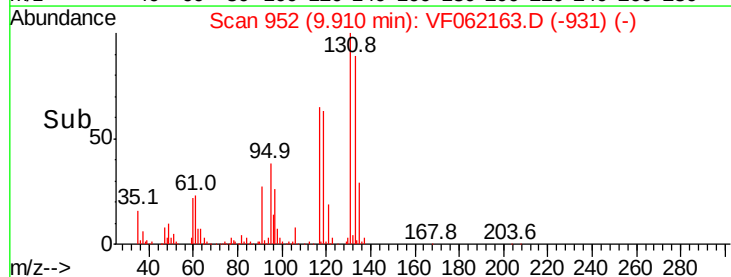
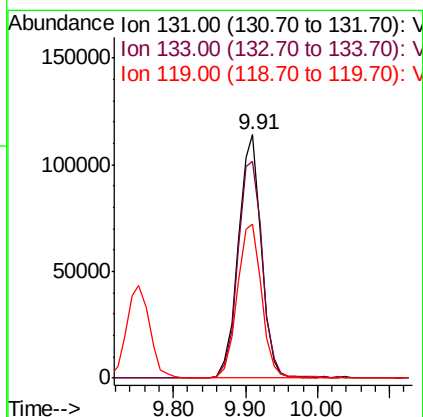
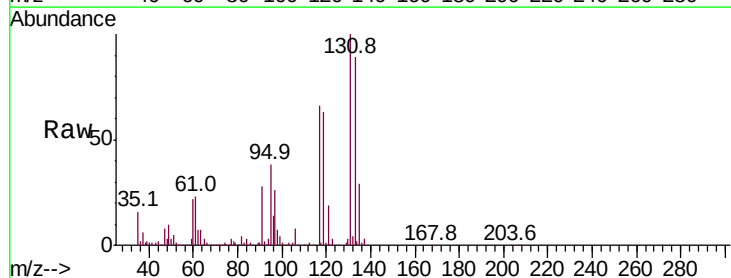
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

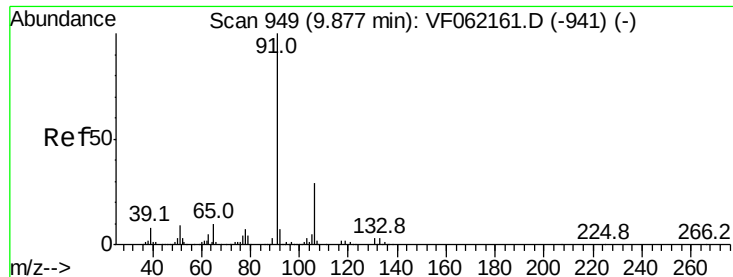
Tot Ion:112 Resp: 581170
Ion Ratio Lower Upper
112 100
114 33.7 28.6 43.0



#66
1,1,1,2-Tetrachloroethane
Concen: 113.426 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion:131 Resp: 252842
Ion Ratio Lower Upper
131 100
133 89.2 45.1 135.3
119 63.4 34.9 104.7





#67

Ethyl Benzene

Concen: 112.577 ug/l

RT: 9.88 min Scan# 949

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

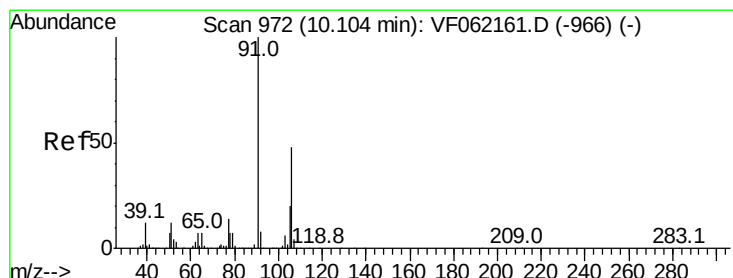
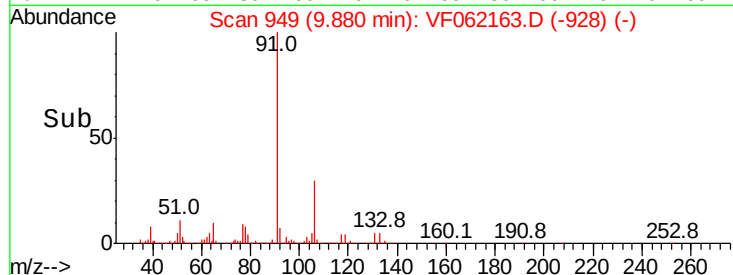
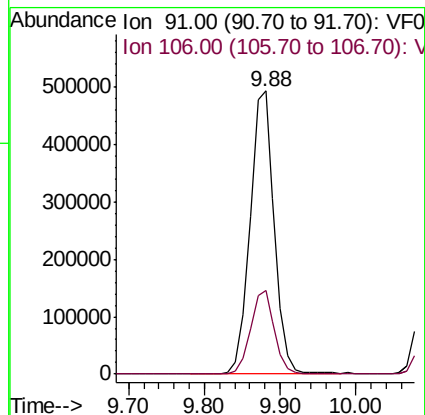
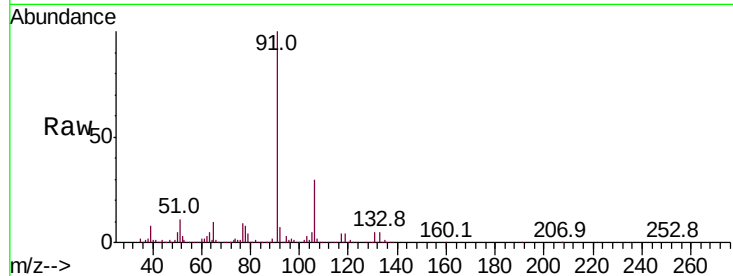
VSTDIC100

Tot Ion: 91 Resp: 1093914

Ion Ratio Lower Upper

91 100

106 29.7 23.2 34.8



#68

m/p-Xylenes

Concen: 218.222 ug/l

RT: 10.11 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062163.D

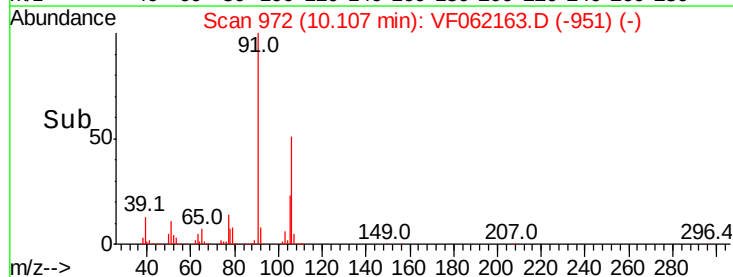
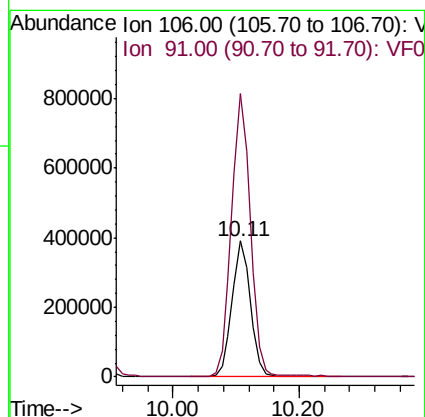
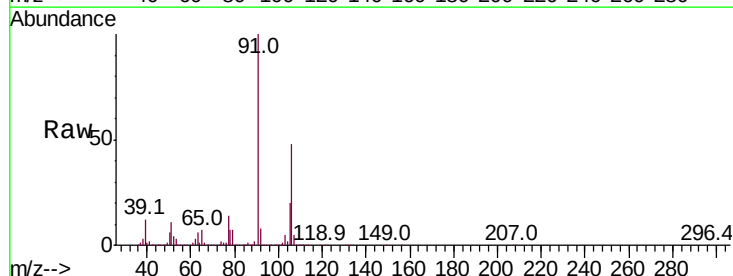
Acq: 4 Apr 2019 18:04

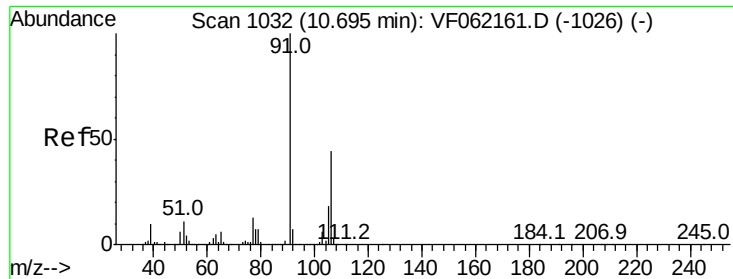
Tgt Ion:106 Resp: 789030

Ion Ratio Lower Upper

106 100

91 208.0 167.3 250.9

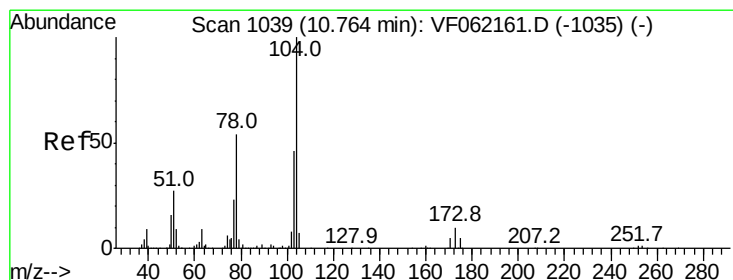
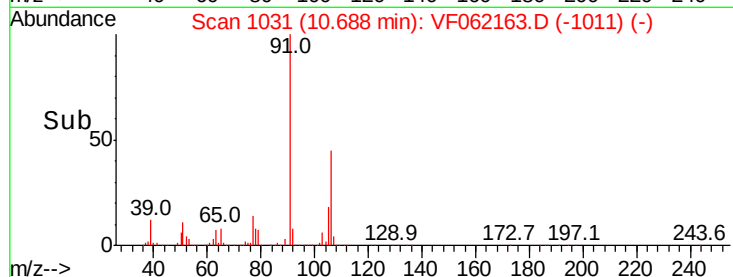
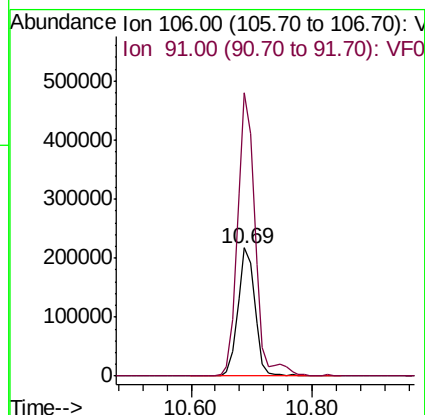
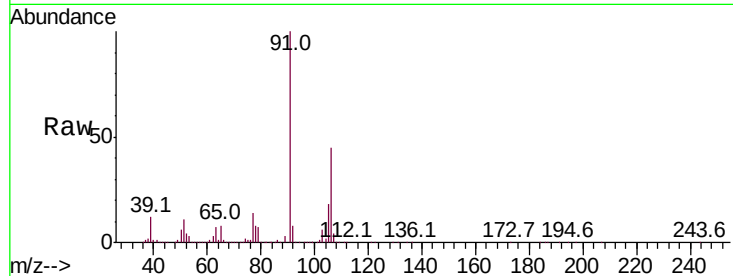




#69
o-Xylene
Concen: 115.080 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

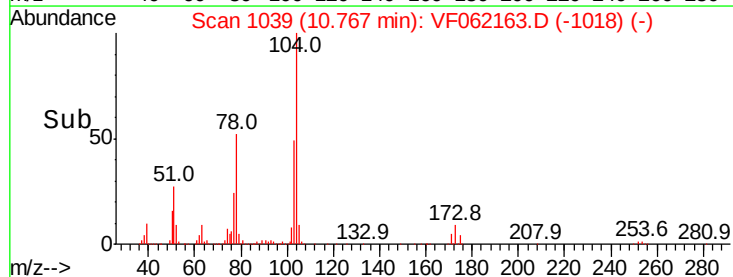
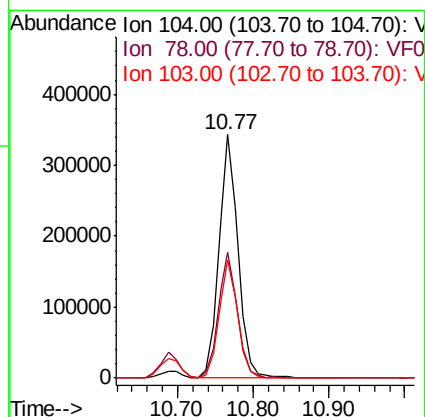
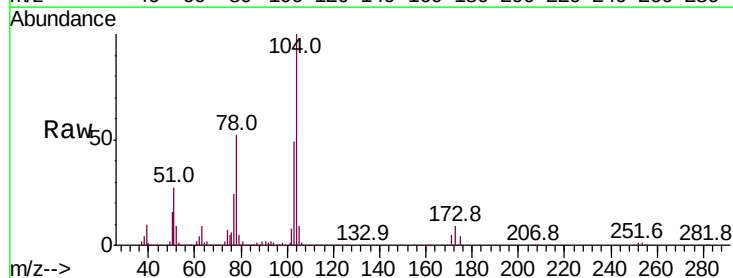
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

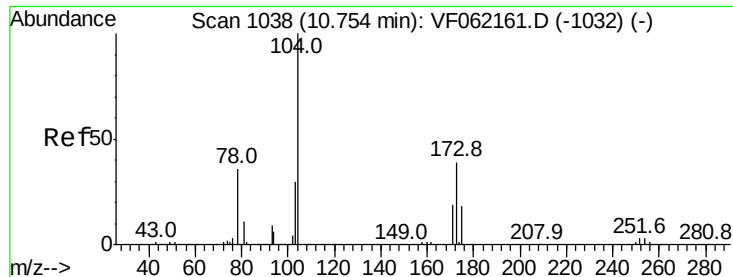
Tot Ion:106 Resp: 426218
Ion Ratio Lower Upper
106 100
91 220.7 113.3 340.1



#70
Styrene
Concen: 105.474 ug/l
RT: 10.77 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Tgt Ion:104 Resp: 603069
Ion Ratio Lower Upper
104 100
78 51.7 43.1 64.7
103 48.6 37.0 55.6





#71

Bromoform

Concen: 114.640 ug/l

RT: 10.75 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

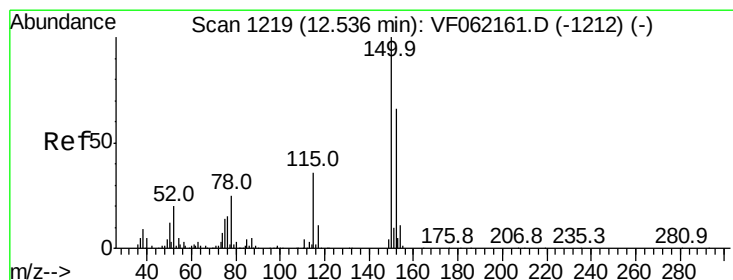
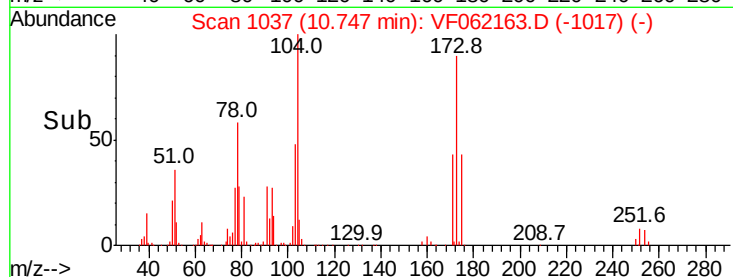
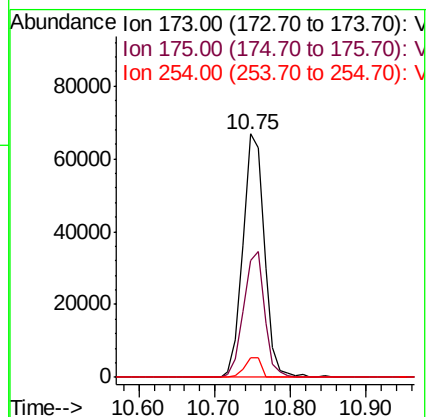
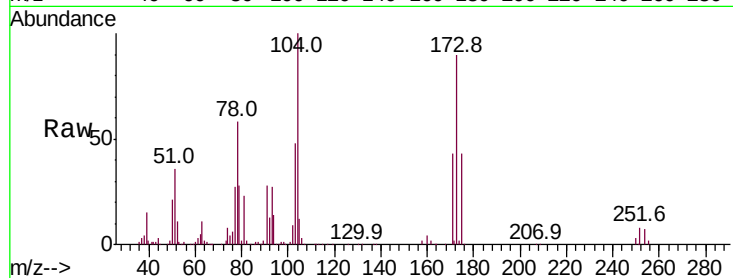
Tot Ion:173 Resp: 131212

Ion Ratio Lower Upper

173 100

175 48.2 22.9 68.7

254 8.0 6.7 10.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

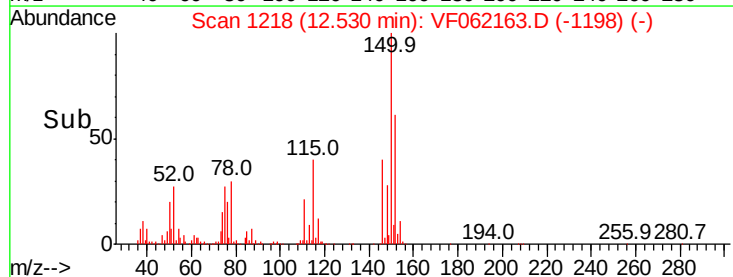
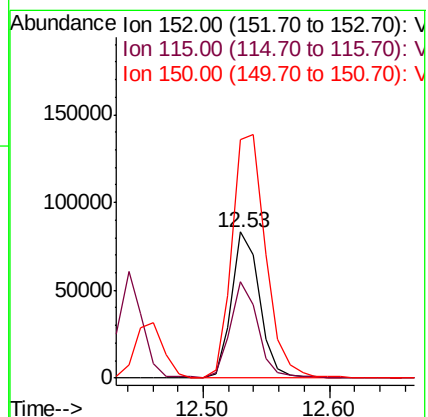
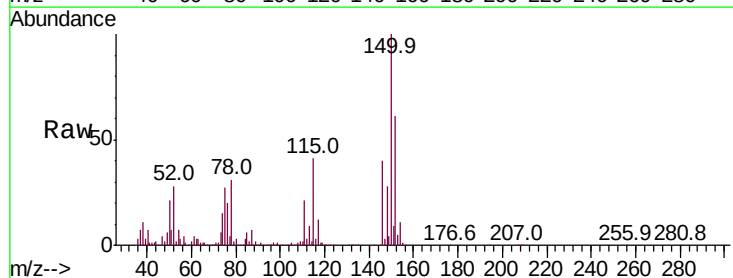
Tgt Ion:152 Resp: 127344

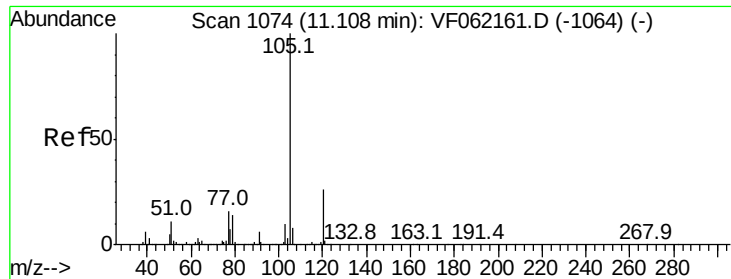
Ion Ratio Lower Upper

152 100

115 66.5 28.3 84.9

150 163.7 0.0 322.6





#73

Isopropylbenzene

Concen: 131.855 ug/l

RT: 11.10 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

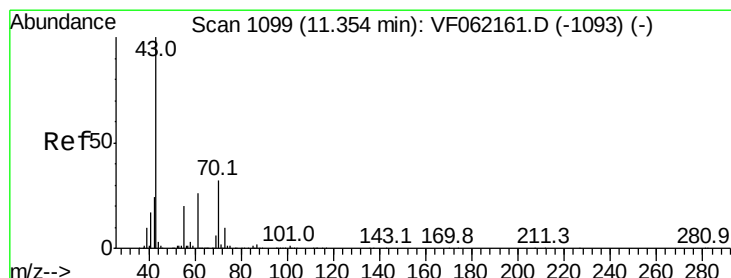
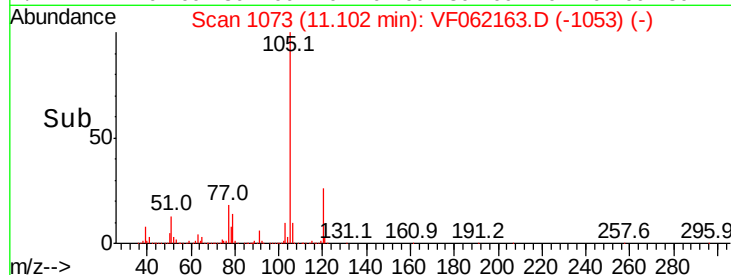
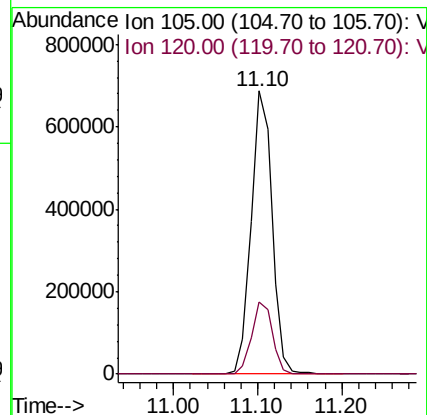
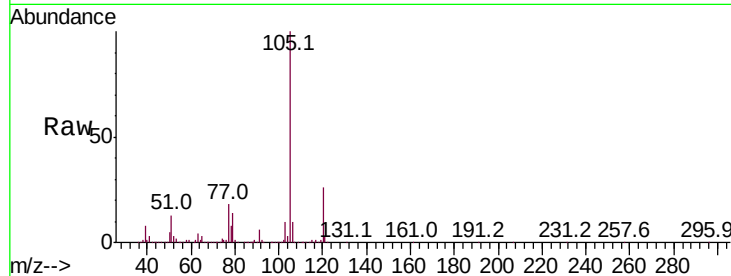
VSTDIC100

Tot Ion:105 Resp: 1200413

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.3



#74

N-ethyl acetate

Concen: 145.777 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Tgt Ion: 43 Resp: 321994

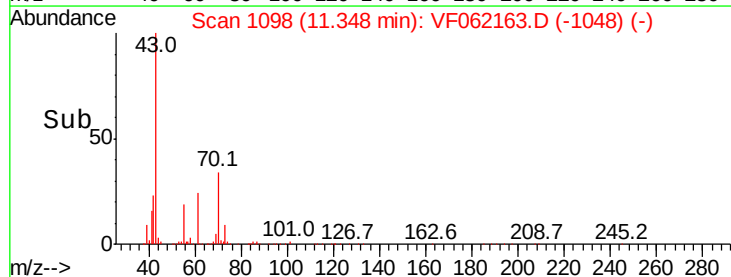
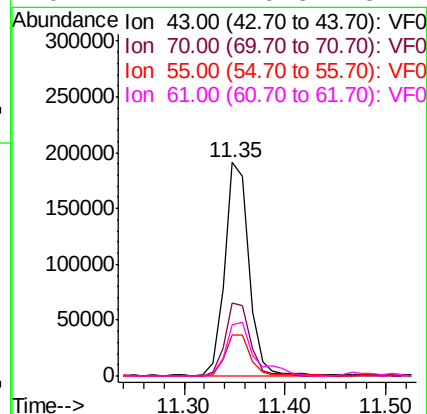
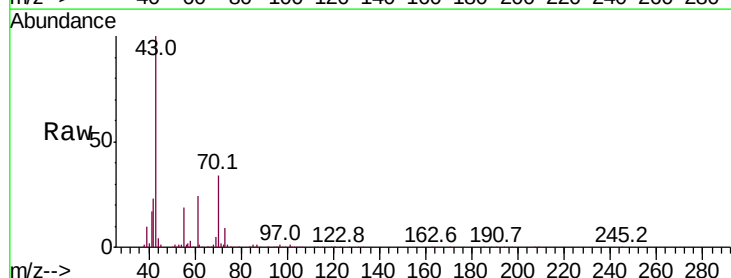
Ion Ratio Lower Upper

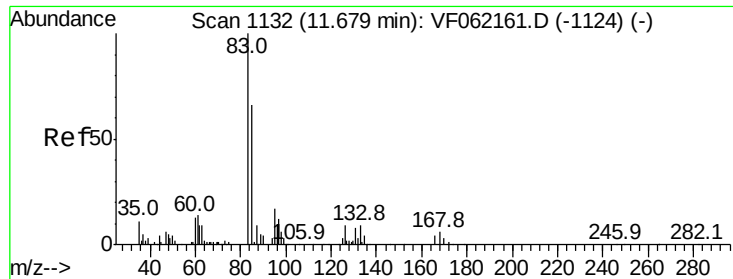
43 100

70 34.0 25.9 38.9

55 19.1 16.3 24.5

61 24.2 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 121.874 ug/l

RT: 11.67 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

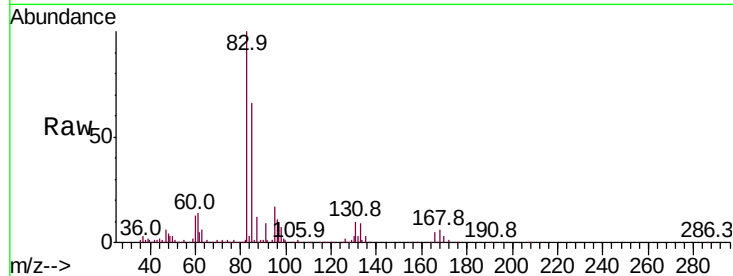
Tot Ion: 83 Resp: 186477

Ion Ratio Lower Upper

83 100

131 9.6 4.3 12.8

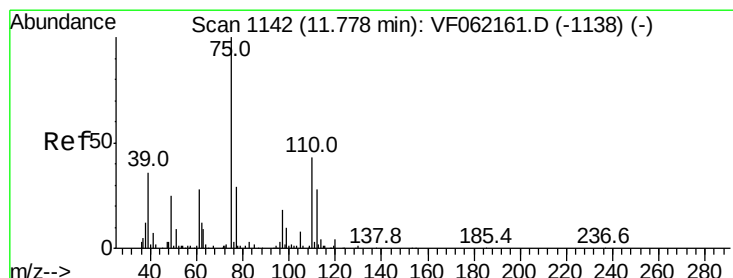
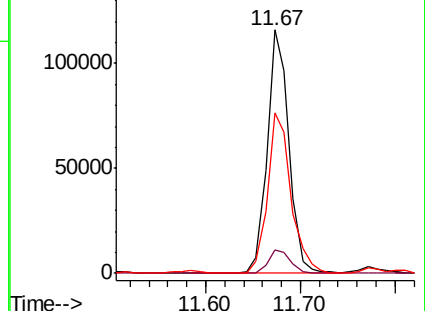
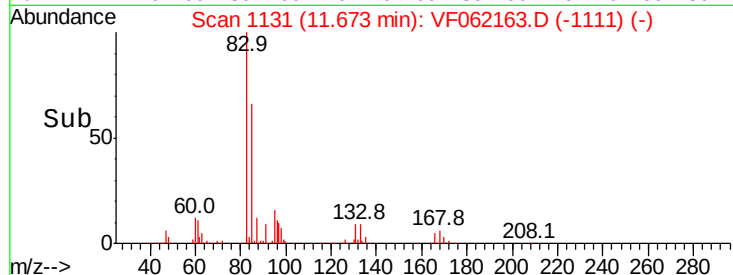
85 65.9 33.1 99.2



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: 130.851 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062163.D

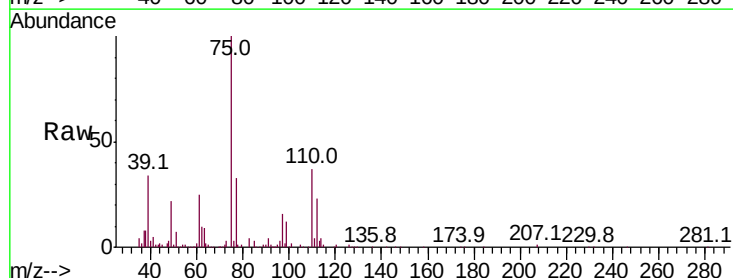
Acq: 4 Apr 2019 18:04

Tgt Ion: 75 Resp: 145722

Ion Ratio Lower Upper

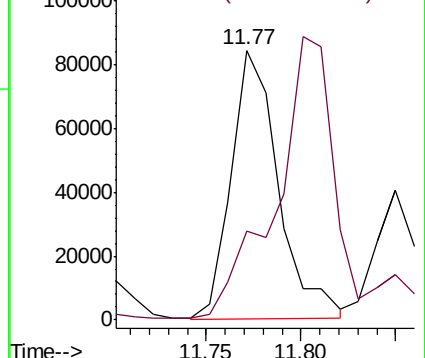
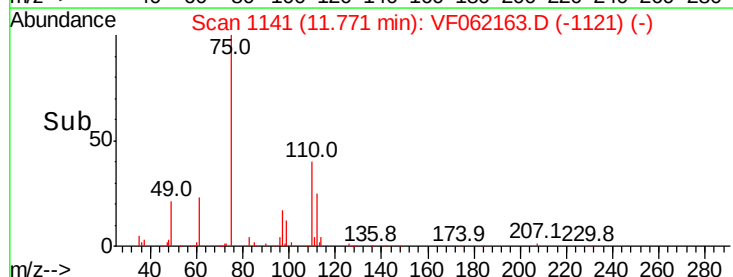
75 100

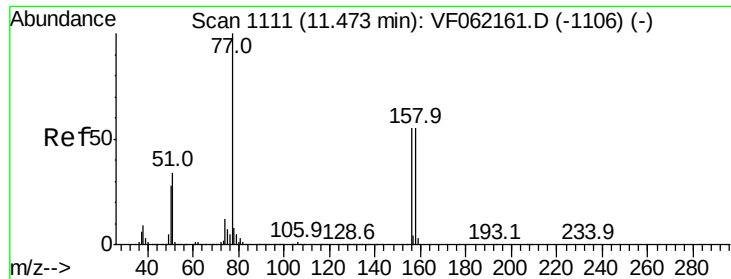
77 33.1 15.0 45.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 114.101 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

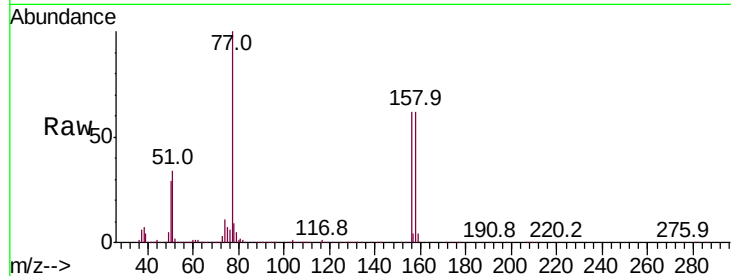
Tot Ion:156 Resp: 250319

Ion Ratio Lower Upper

156 100

77 161.0 91.0 272.8

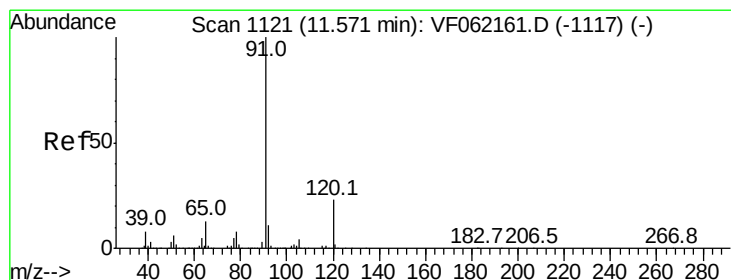
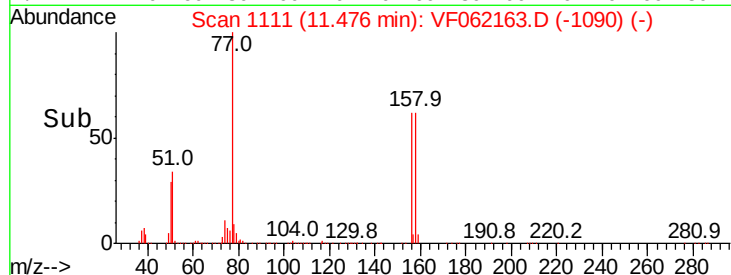
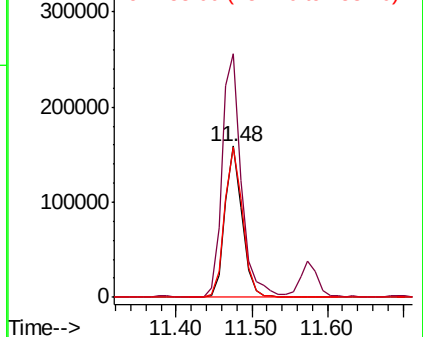
158 99.7 49.7 149.1



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: 127.088 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062163.D

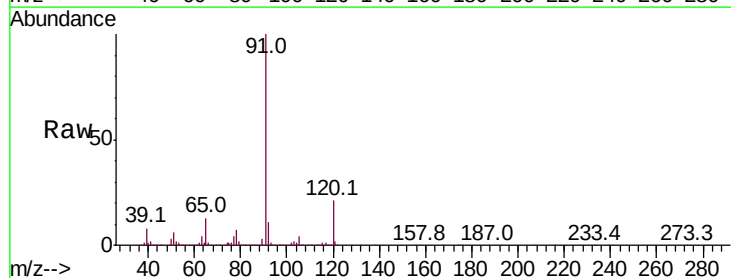
Acq: 4 Apr 2019 18:04

Tgt Ion: 91 Resp: 1360114

Ion Ratio Lower Upper

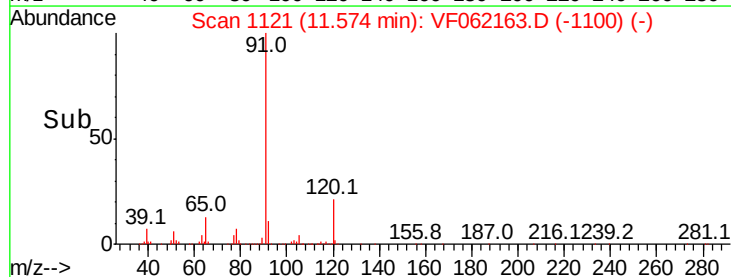
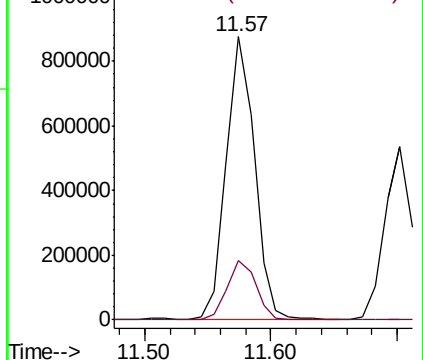
91 100

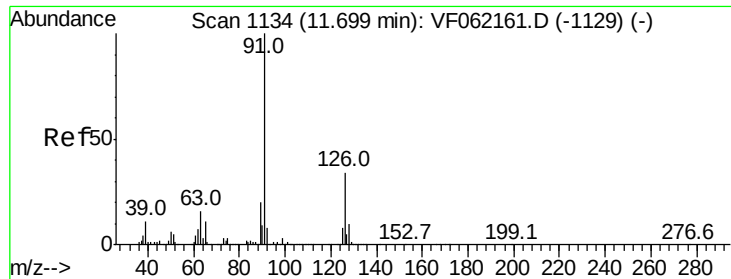
120 21.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

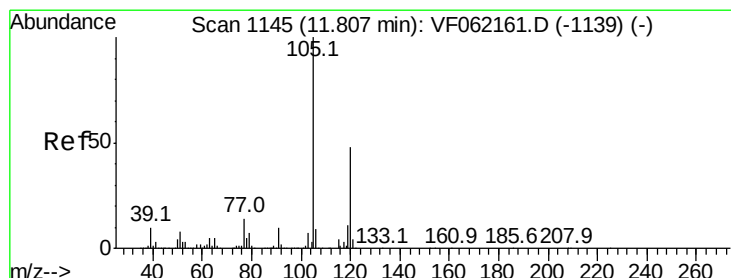
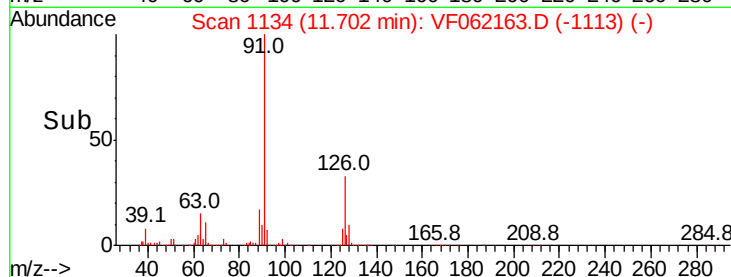
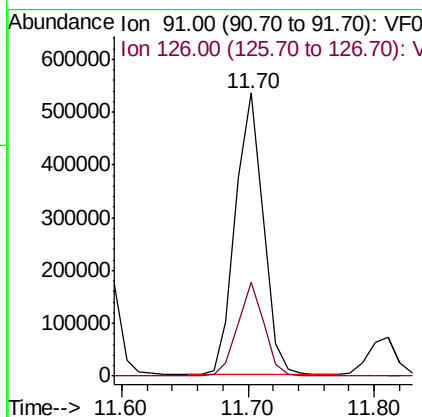
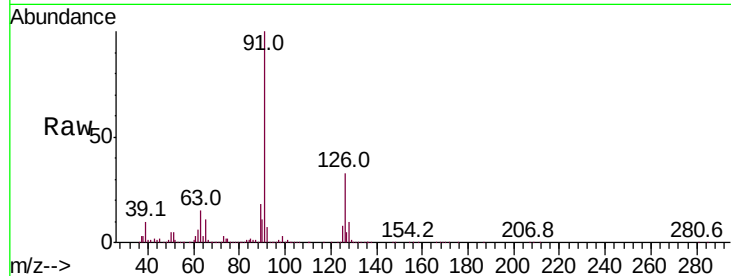




#79
 2-Chlorotoluene
 Concen: 136.656 ug/l
 RT: 11.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

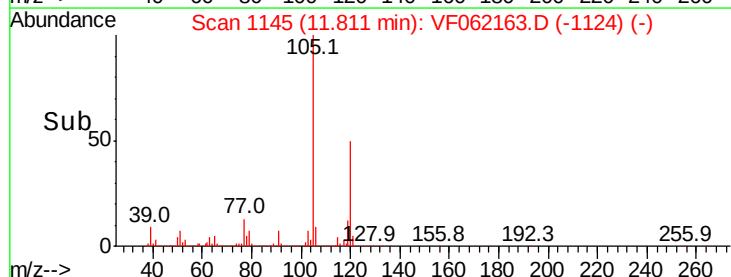
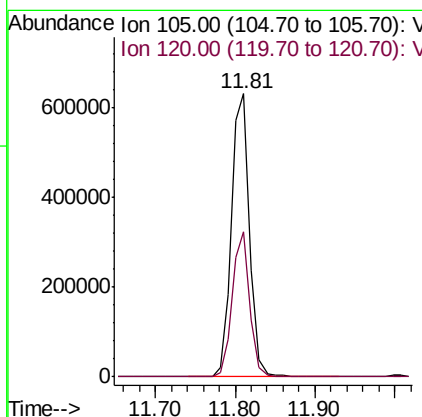
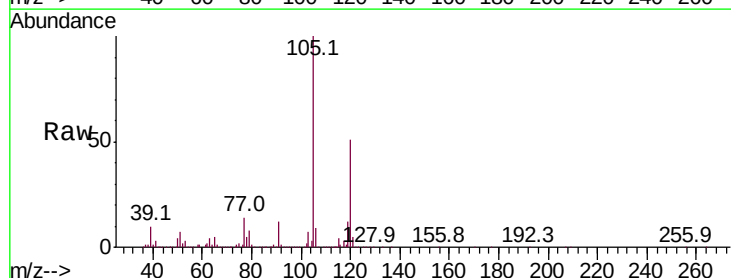
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

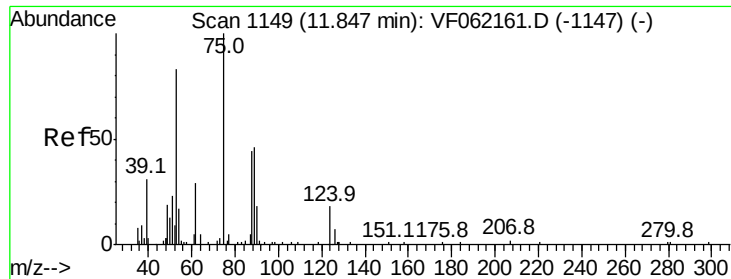
Tot Ion: 91 Resp: 810633
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 132.113 ug/l
 RT: 11.81 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Tgt Ion:105 Resp: 1005608
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 140.622 ug/l m

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

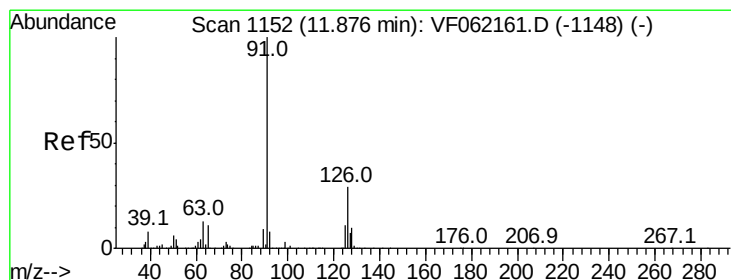
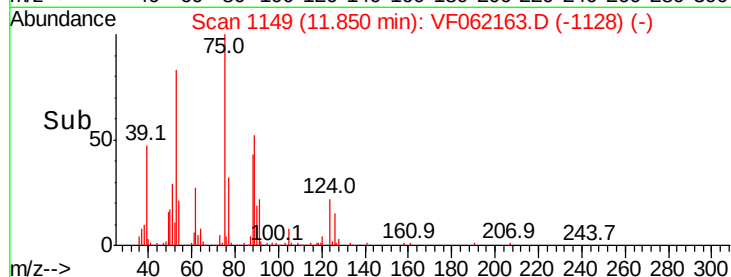
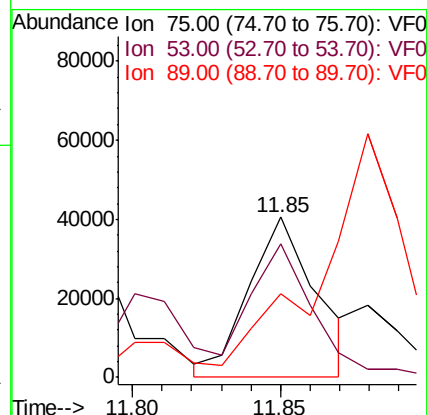
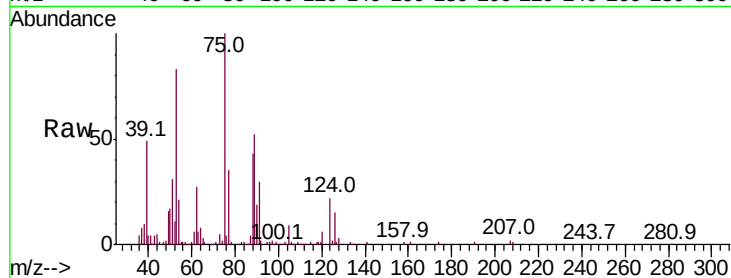
Tot Ion: 75 Resp: 64250

Ion Ratio Lower Upper

75 100

53 83.3 71.4 107.0

89 51.9 37.9 56.9



#82

4-Chlorotoluene

Concen: 130.572 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062163.D

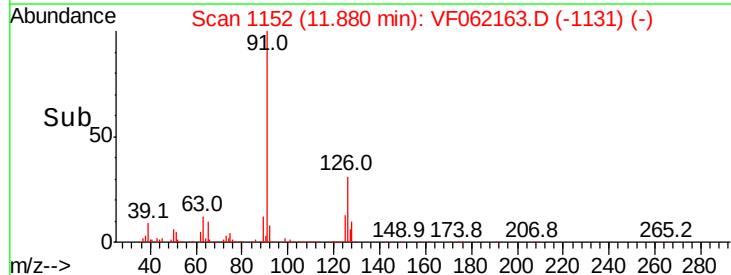
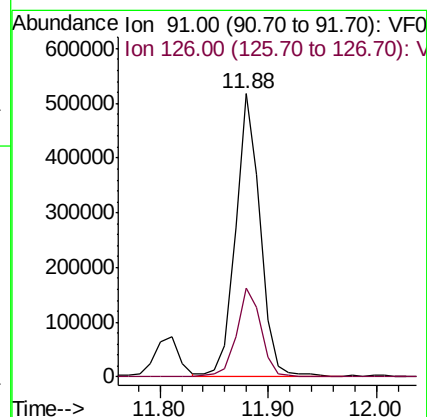
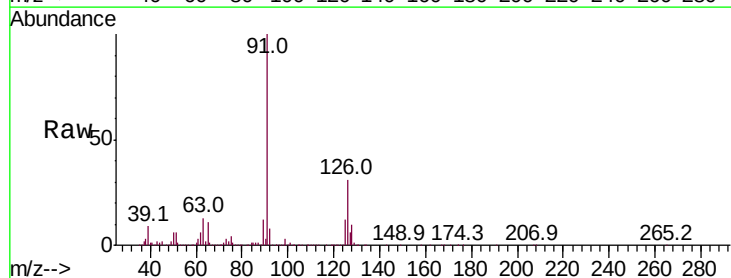
Acq: 4 Apr 2019 18:04

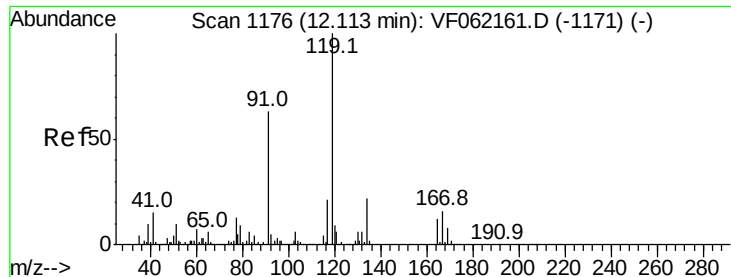
Tgt Ion: 91 Resp: 804012

Ion Ratio Lower Upper

91 100

126 31.2 14.2 42.8





#83

tert-Butylbenzene

Concen: 127.142 ug/l

RT: 12.12 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

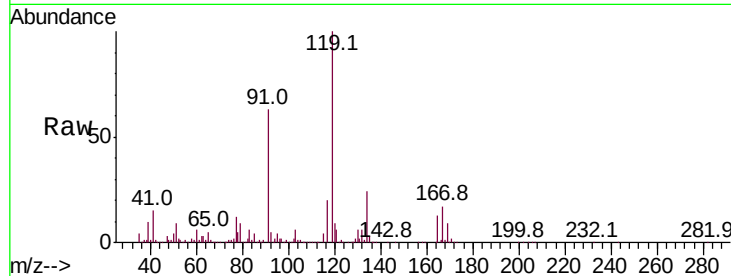
Tot Ion:119 Resp: 1003717

Ion Ratio Lower Upper

119 100

91 62.7 31.6 94.7

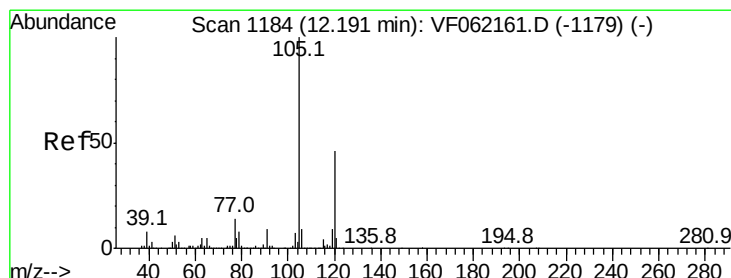
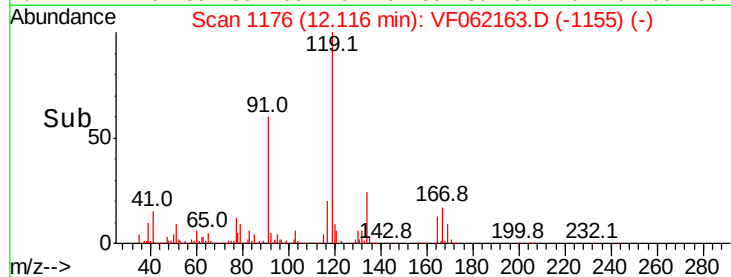
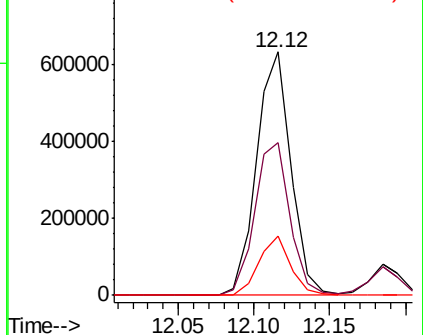
134 24.3 11.1 33.3



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: 132.456 ug/l

RT: 12.18 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062163.D

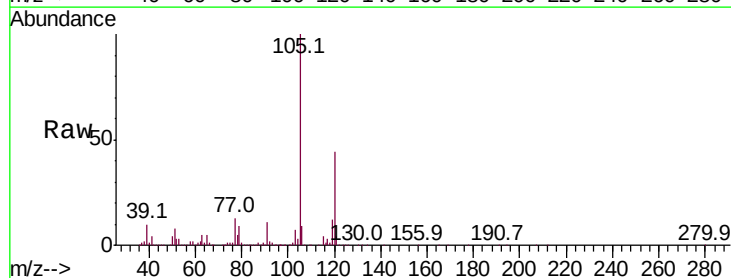
Acq: 4 Apr 2019 18:04

Tgt Ion:105 Resp: 986057

Ion Ratio Lower Upper

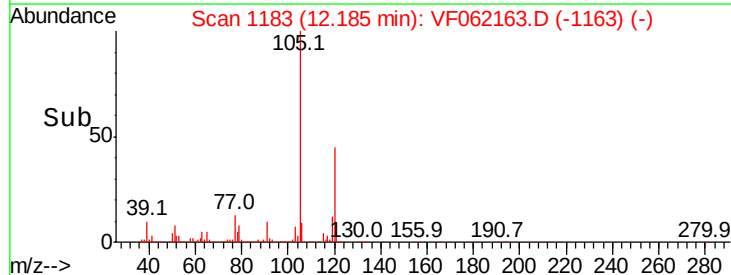
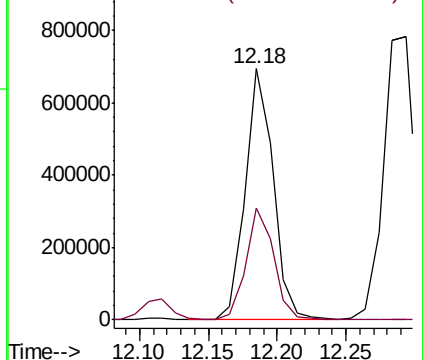
105 100

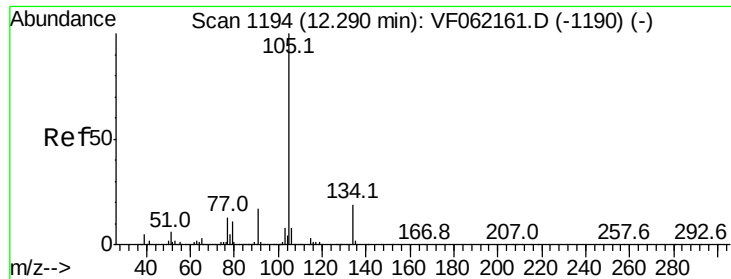
120 44.5 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

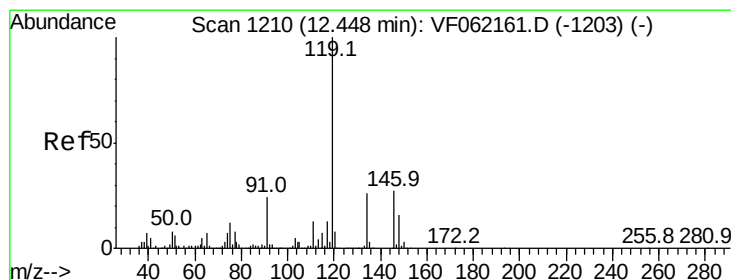
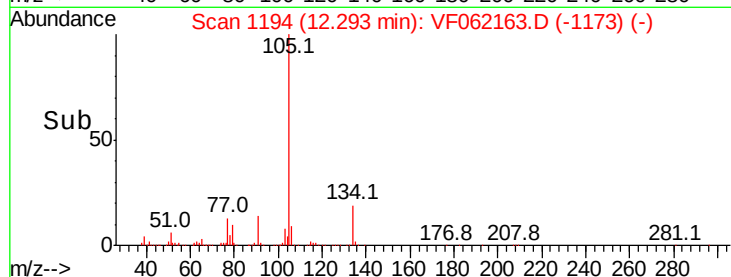
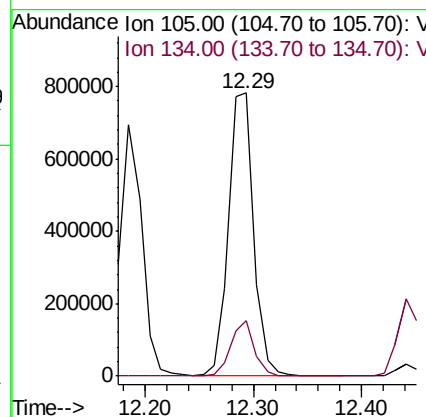
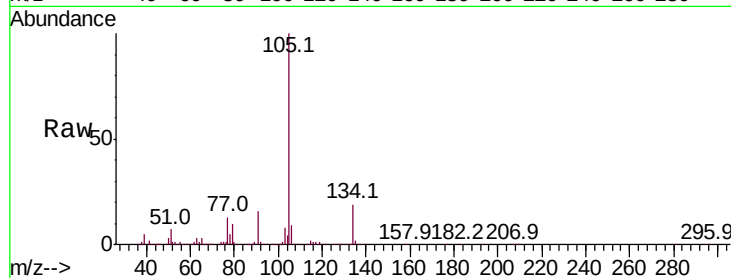




#85
 sec-Butylbenzene
 Concen: 123.923 ug/l
 RT: 12.29 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

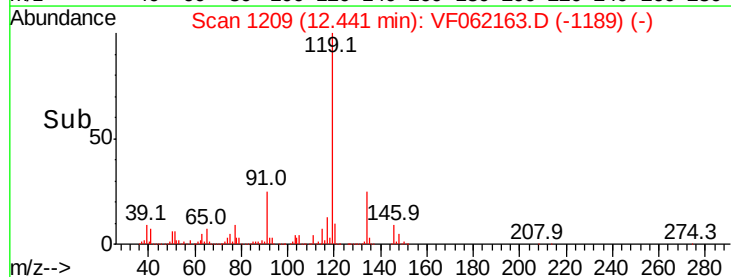
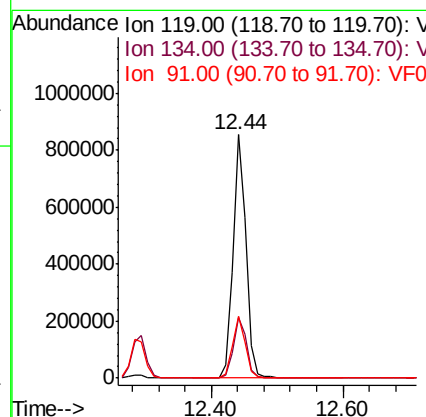
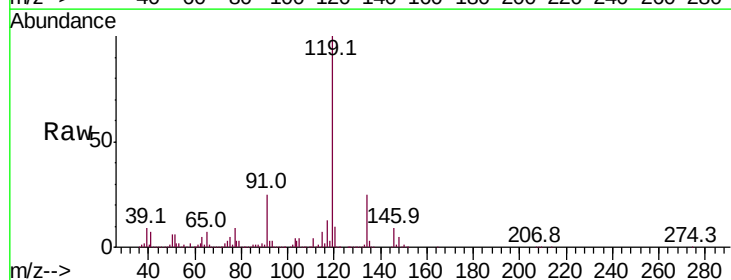
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

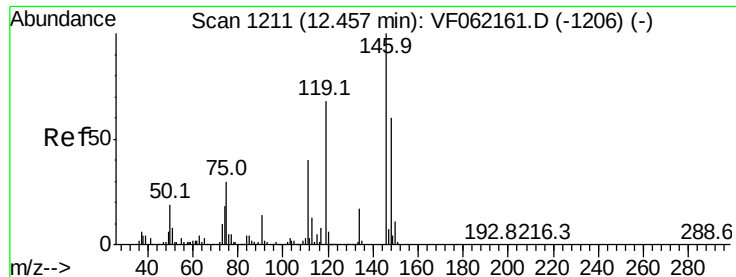
Tot Ion:105 Resp: 1260327
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 131.039 ug/l
 RT: 12.44 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Tgt Ion:119 Resp: 1174502
 Ion Ratio Lower Upper
 119 100
 134 24.9 13.2 39.5
 91 25.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 115.555 ug/l

RT: 12.46 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

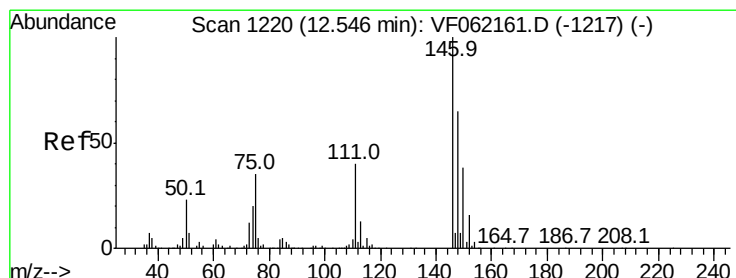
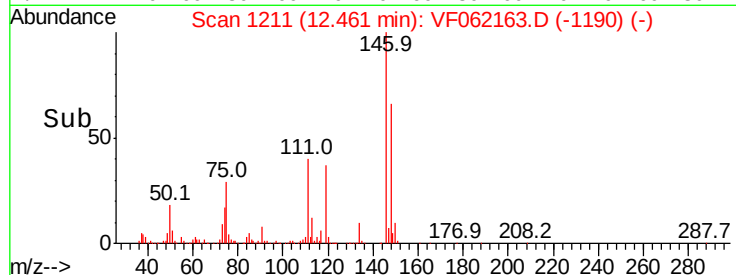
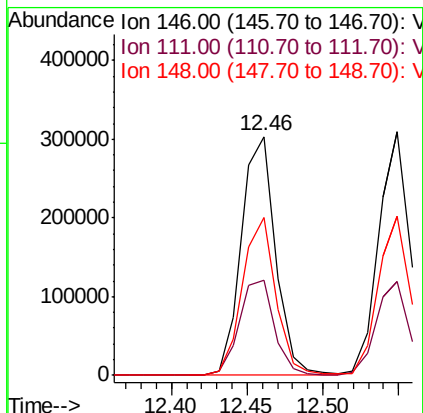
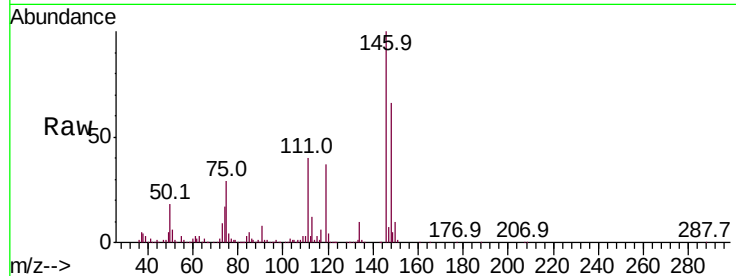
Tot Ion:146 Resp: 478392

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.6

148 66.2 30.0 90.0



#88

1,4-Dichlorobenzene

Concen: 115.511 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

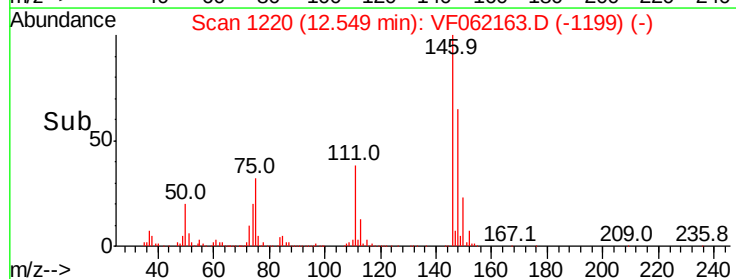
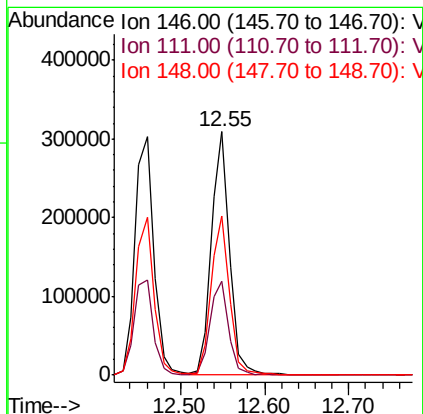
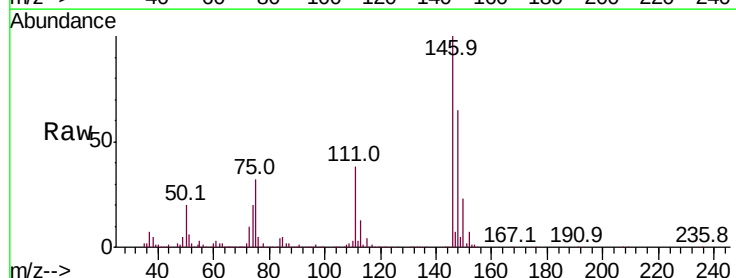
Tgt Ion:146 Resp: 460751

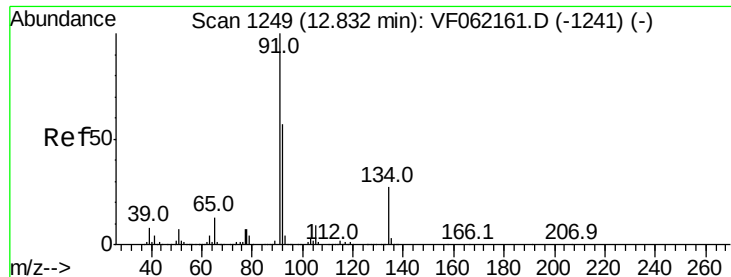
Ion Ratio Lower Upper

146 100

111 38.5 20.1 60.2

148 65.3 32.5 97.4





#89

n-Butylbenzene

Concen: 127.344 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

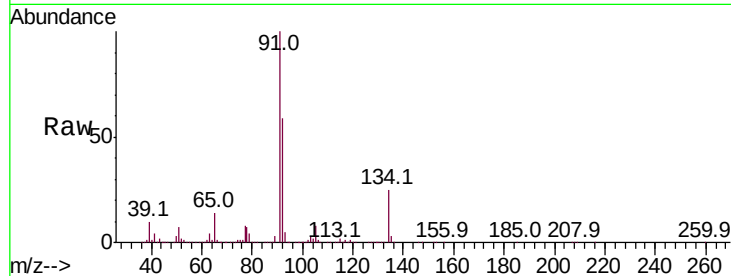
Tot Ion: 91 Resp: 1082674

Ion	Ratio	Lower	Upper
91	100		
92	58.9	28.3	85.0
134	24.7	13.6	40.8

91 100

92 58.9 28.3 85.0

134 24.7 13.6 40.8

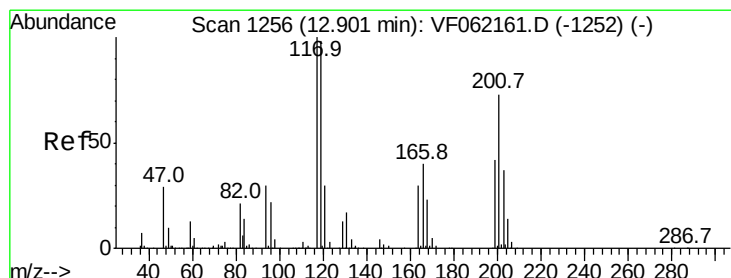
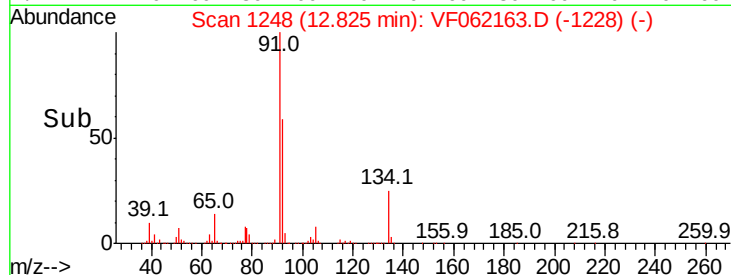
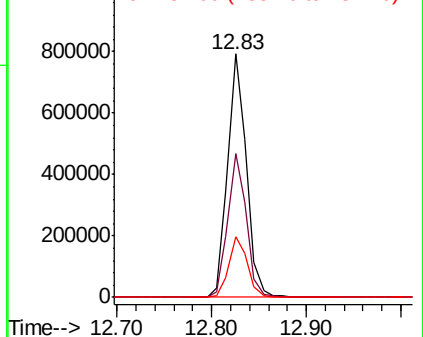


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 135.056 ug/l

RT: 12.90 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062163.D

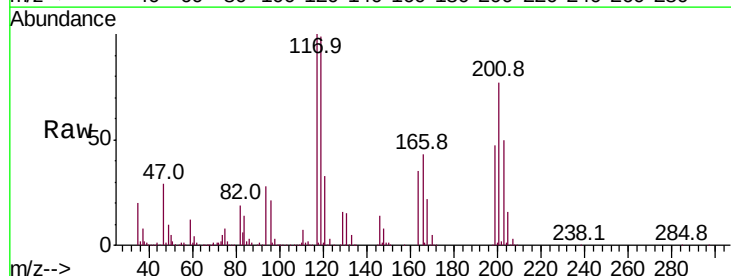
Acq: 4 Apr 2019 18:04

Tgt Ion: 117 Resp: 282612

Ion	Ratio	Lower	Upper
117	100		
201	77.3	36.8	110.4

117 100

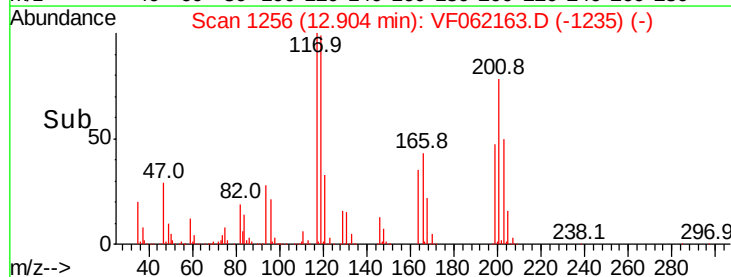
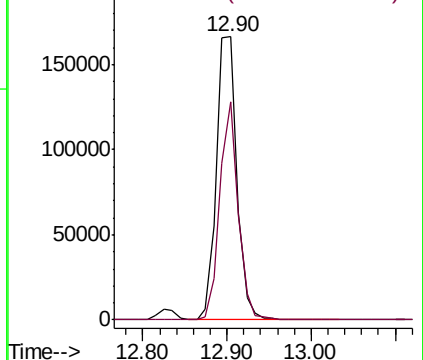
201 77.3 36.8 110.4

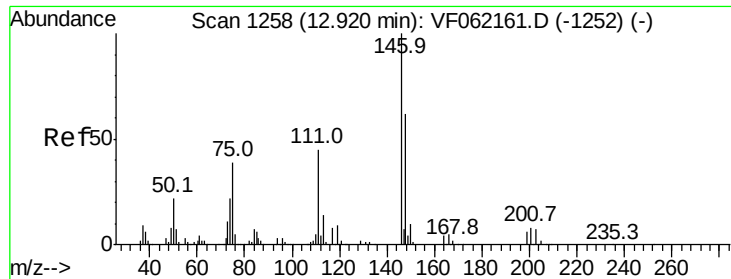


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 114.856 ug/l

RT: 12.92 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

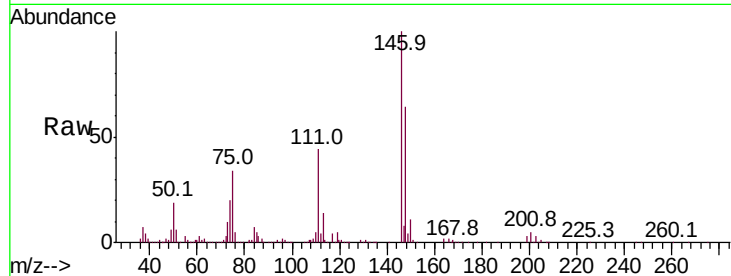
Tot Ion:146 Resp: 440476

Ion Ratio Lower Upper

146 100

111 43.7 22.4 67.0

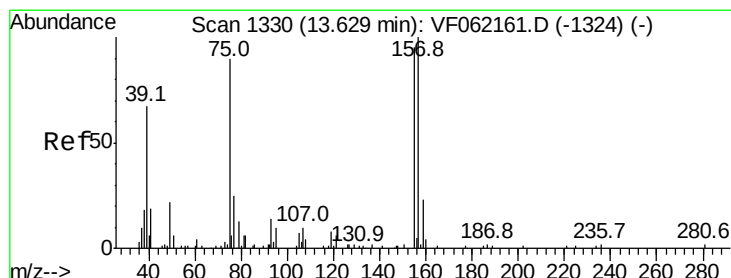
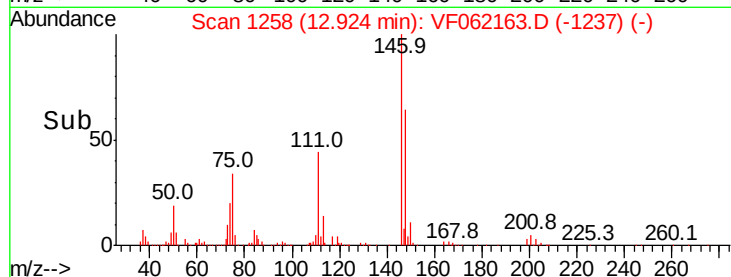
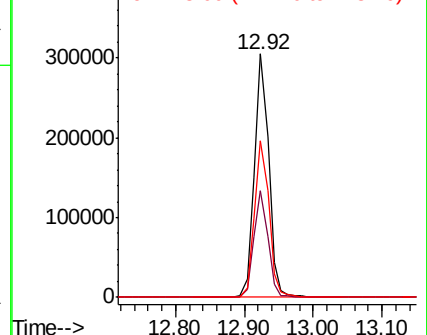
148 64.1 30.9 92.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 173.499 ug/l

RT: 13.62 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

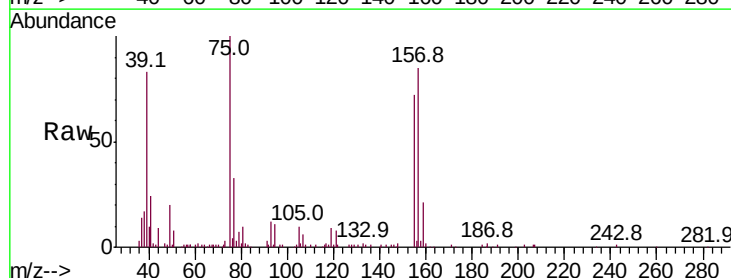
Tgt Ion: 75 Resp: 42233

Ion Ratio Lower Upper

75 100

155 71.8 52.8 158.3

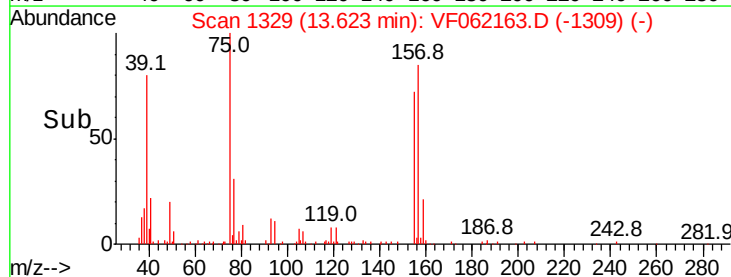
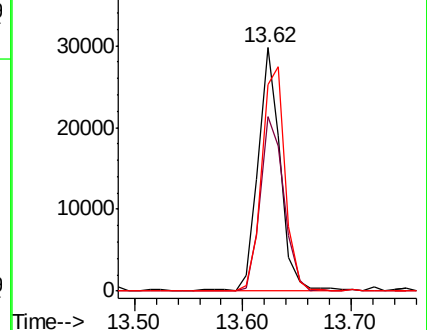
157 84.8 55.7 167.1

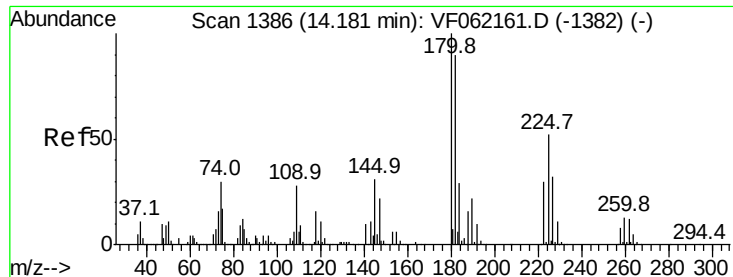


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

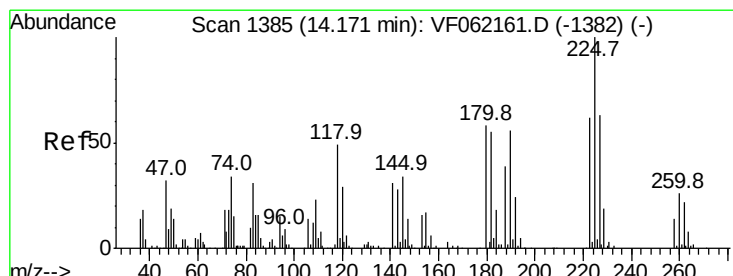
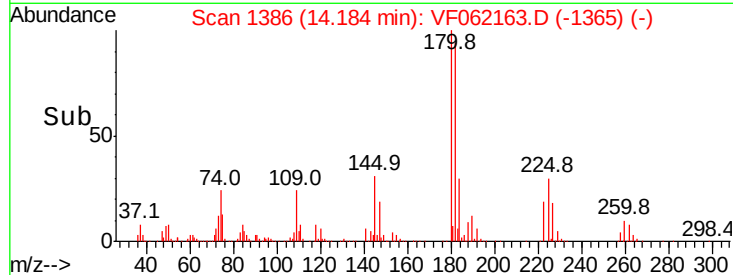
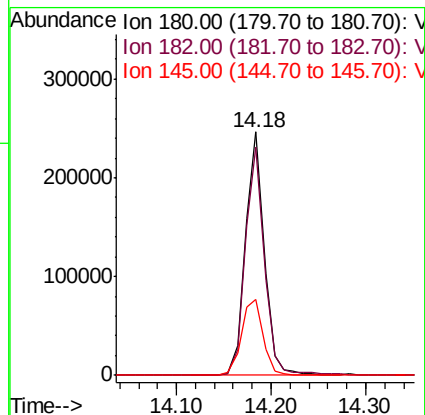
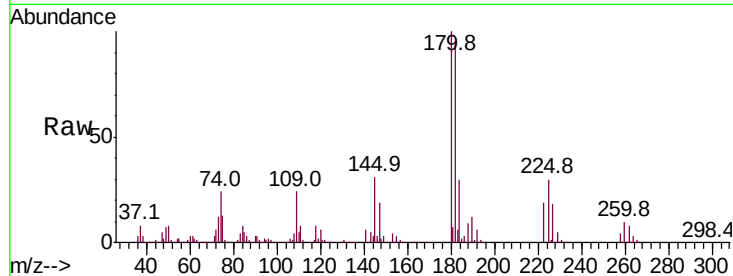




#93
 1,2,4-Trichlorobenzene
 Concen: 125.794 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

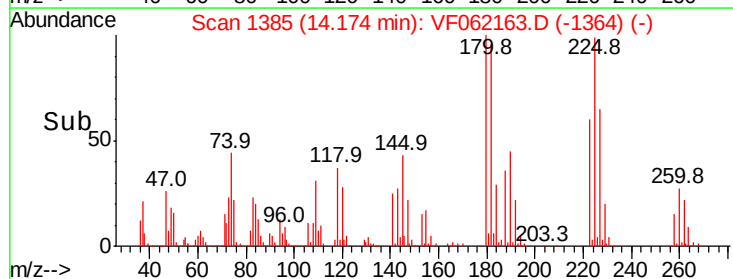
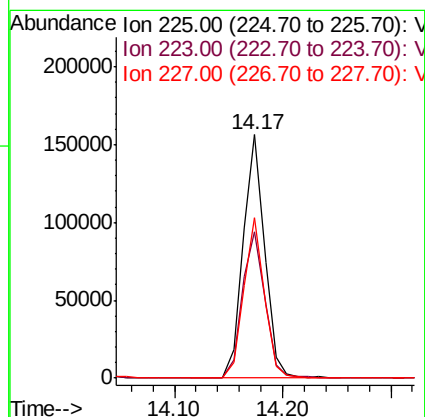
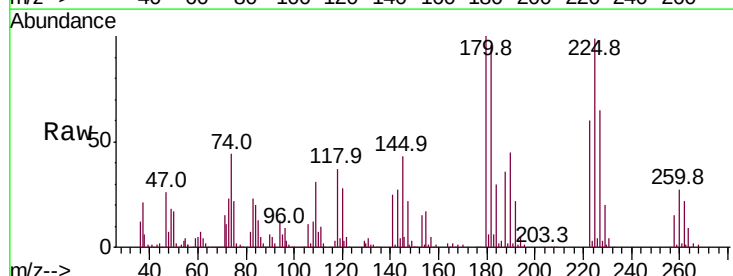
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

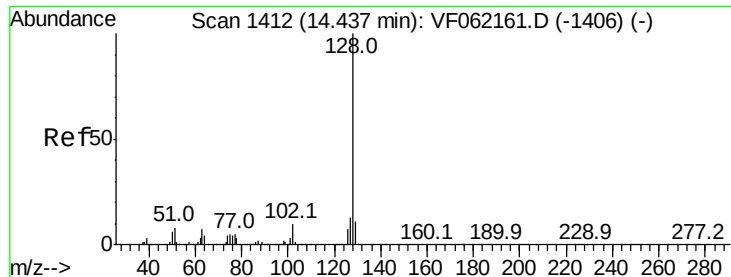
Tot Ion:180 Resp: 339799
 Ion Ratio Lower Upper
 180 100
 182 93.9 45.1 135.2
 145 31.0 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 120.319 ug/l
 RT: 14.17 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Tgt Ion:225 Resp: 214686
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.0 93.0
 227 66.0 32.8 98.3





#95

Naphthalene

Concen: 125.378 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Instrument :

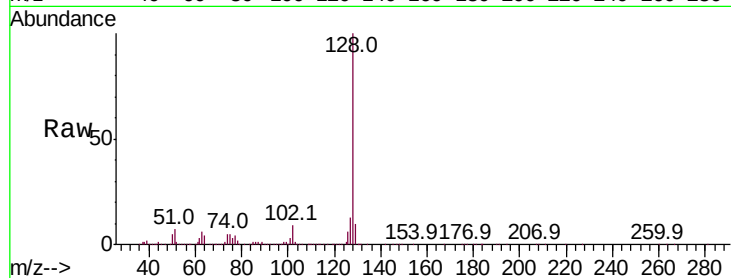
MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 579447

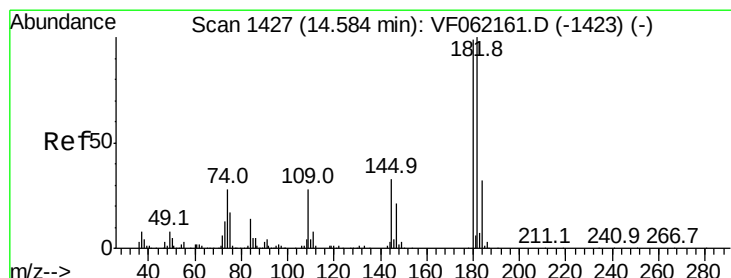
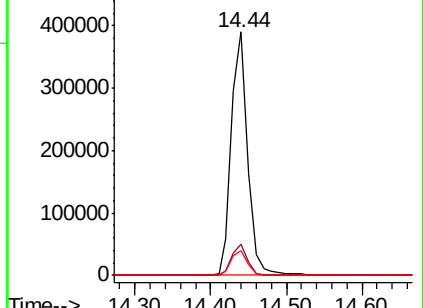
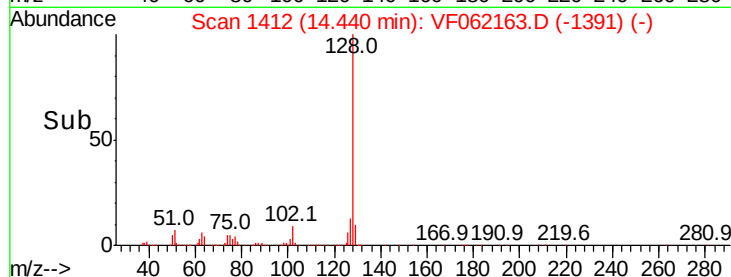
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.3	8.4	12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 124.222 ug/l

RT: 14.59 min Scan# 1427

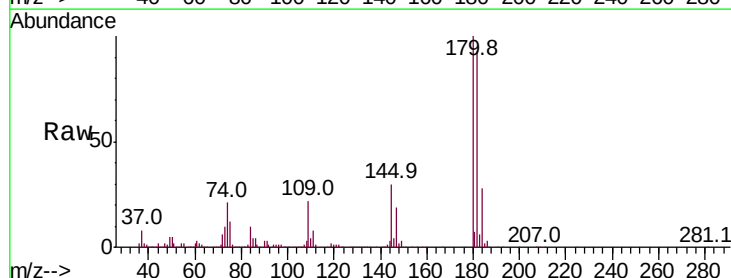
Delta R.T. 0.00 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Tgt Ion:180 Resp: 307681

Ion	Ratio	Lower	Upper
180	100		
182	93.1	50.4	151.2
145	30.2	16.7	50.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

