

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 04:54:04 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	50.000		Recovery	=	296.90%	
35) Dibromofluoromethane	4.09	113	271348	117.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.98%	
50) Toluene-d8	7.53	98	774247	113.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.26%	
62) 4-Bromofluorobenzene	11.39	95	307740	115.99	ug/l	0.00
Spiked Amount	50.000		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	287097	88.656	ug/l	98
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	330720	81.156	ug/l	99
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	586101	94.044	ug/l	98
18) Methyl Acetate	2.42	43	107084	130.099	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	401265	120.600	ug/l	96
20) Methylene Chloride	2.17	84	67910	29.397	ug/l	95
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	194185	54.239	ug/l	92
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	83042	181.752	ug/l	94
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

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QLast Update : Fri Apr 05 04:46:45 2019
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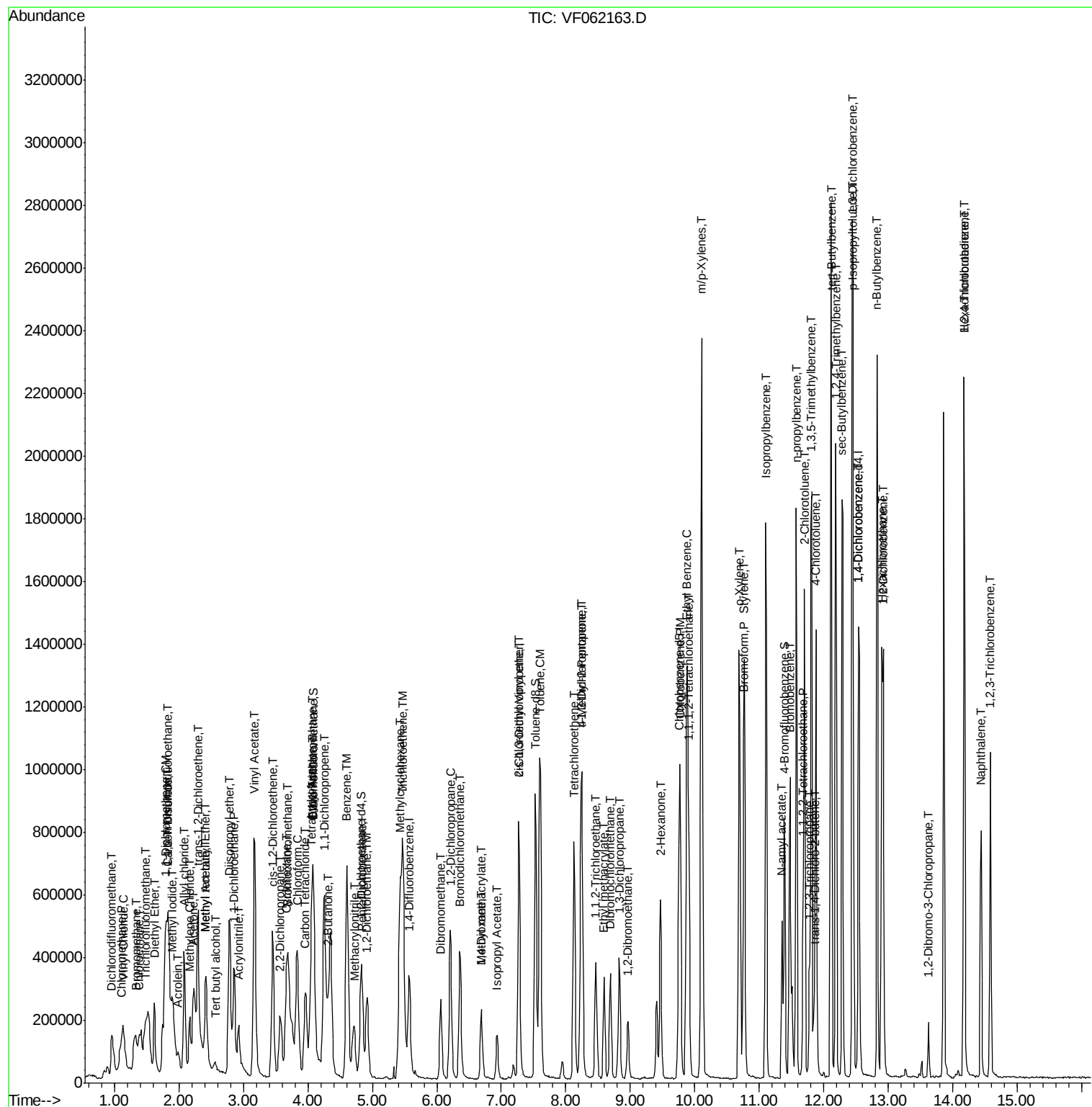
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	339799	125.794	ug/l	97
94) Hexachlorobutadiene	14.17	225	214686	120.319	ug/l	99
95) Naphthalene	14.44	128	579447	125.378	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	307681	124.222	ug/l	93

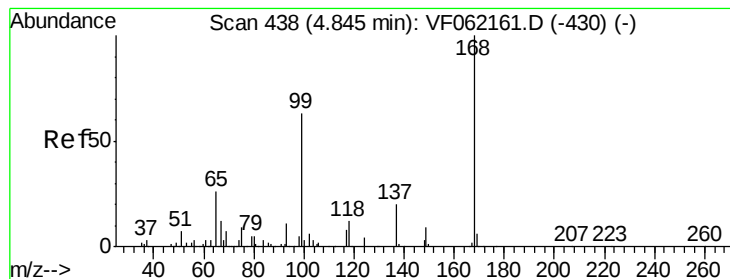
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
 Data File : VF062163.D
 Acq On : 4 Apr 2019 18:04
 Operator : FY/SY
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Quant Time: Apr 05 04:54:04 2019
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#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 :

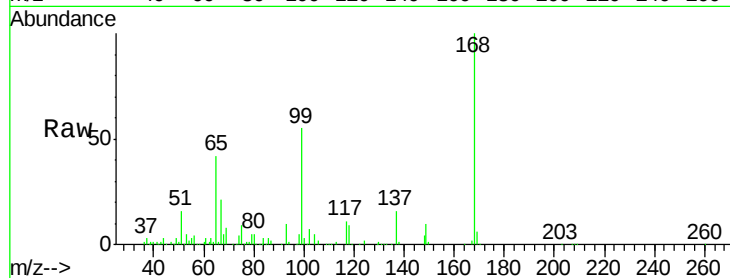
VSTDIC100

Tgt 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

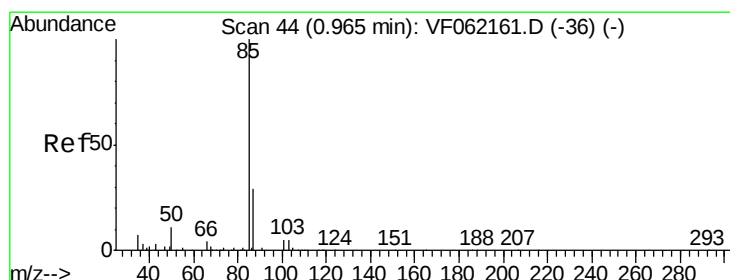
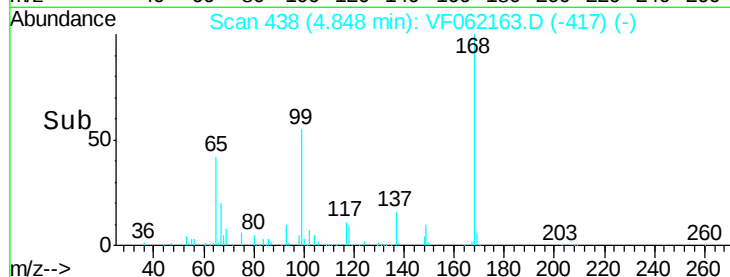
40000

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

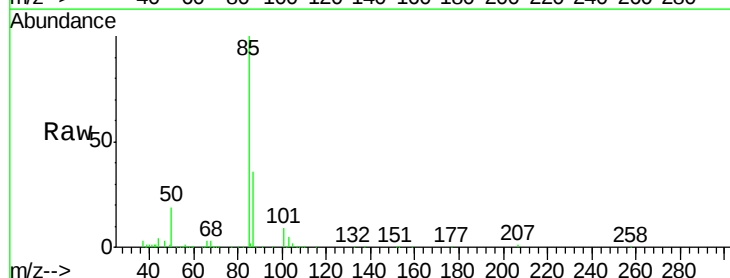
Acq: 4 Apr 2019 18:04

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

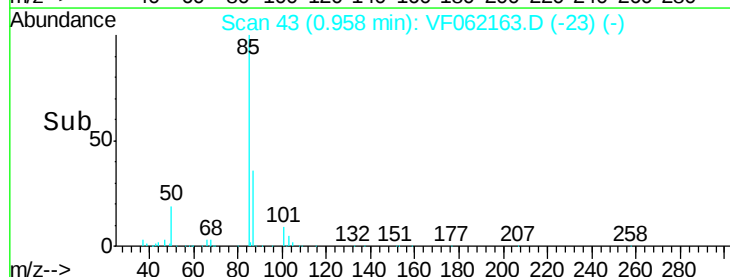
40000

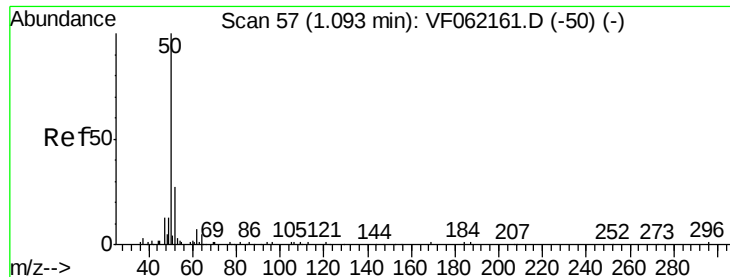
20000

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 :

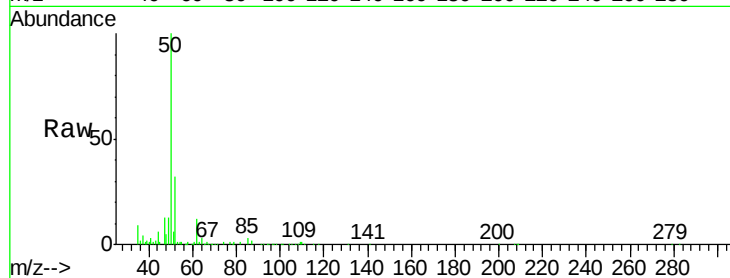
VSTDIC100

Tgt Ion: 50 Resp: 253848

Ion Ratio Lower Upper

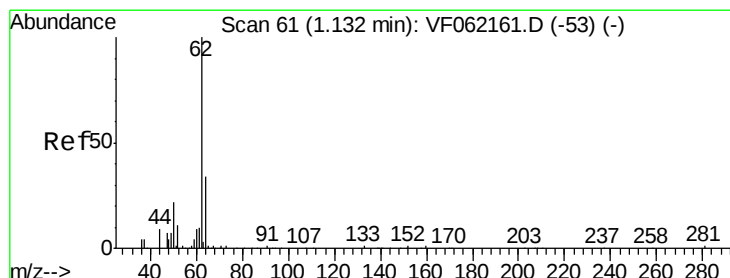
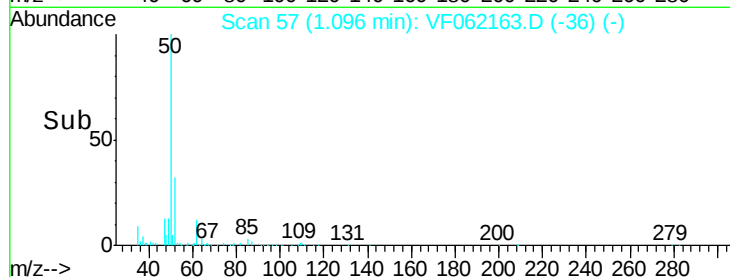
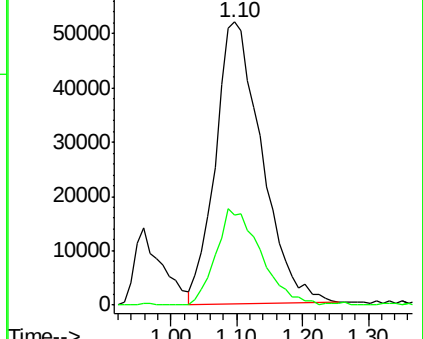
50 100

52 31.6 21.4 32.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 97.604 ug/l

RT: 1.14 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062163.D

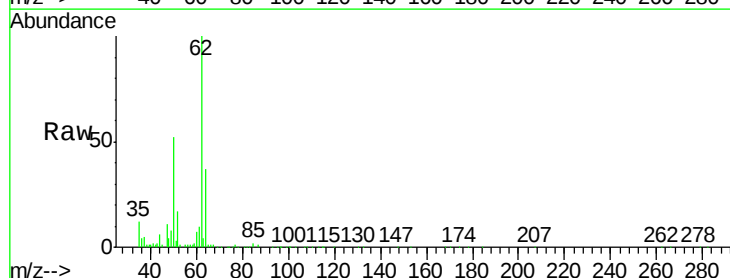
Acq: 4 Apr 2019 18:04

Tgt Ion: 62 Resp: 253046

Ion Ratio Lower Upper

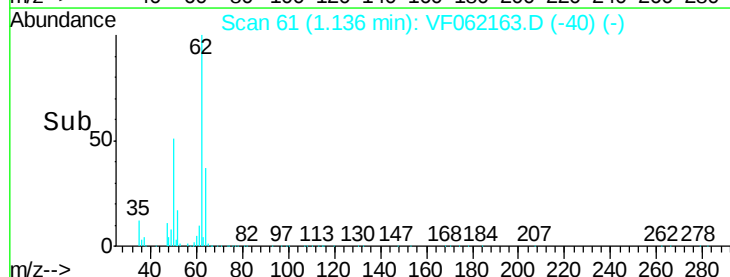
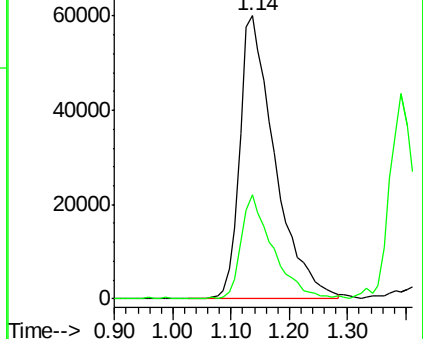
62 100

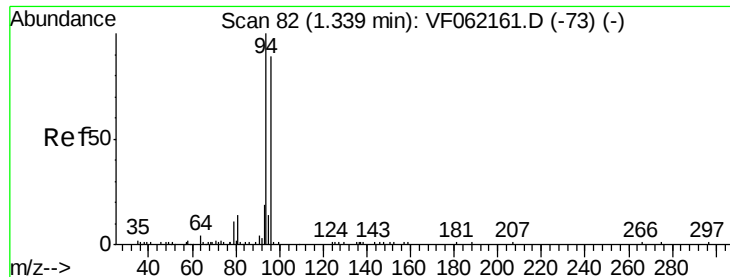
64 36.6 27.0 40.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#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 :

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ClientSampleId :

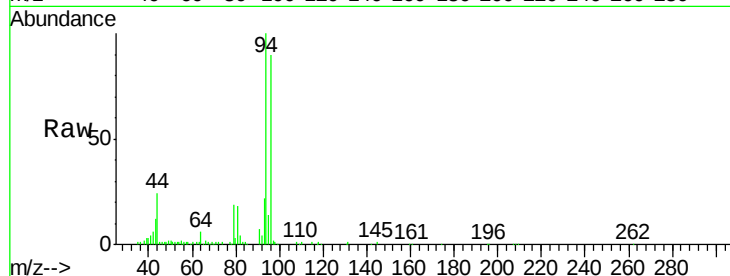
VSTDIC100

Tgt Ion: 94 Resp: 204397

Ion Ratio Lower Upper

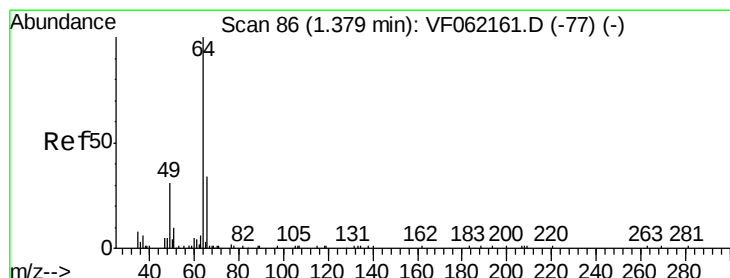
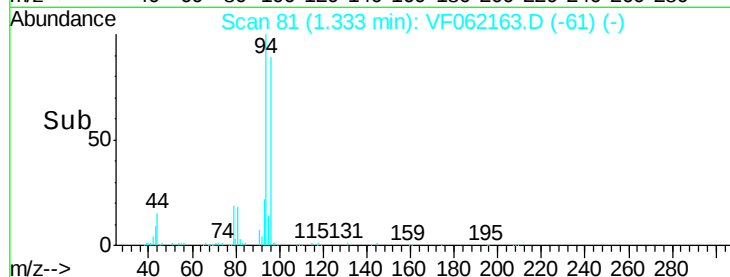
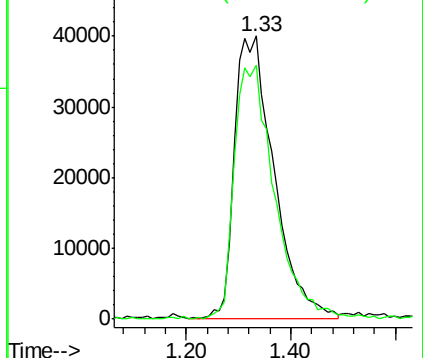
94 100

96 89.7 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 101.568 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062163.D

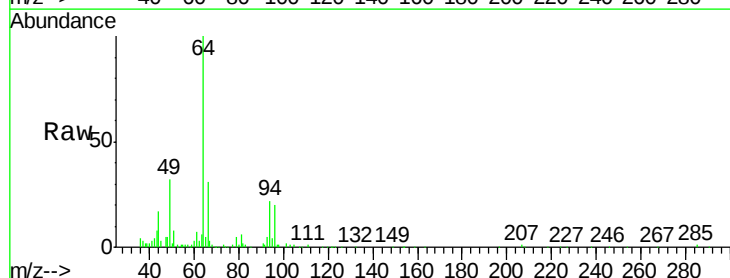
Acq: 4 Apr 2019 18:04

Tgt Ion: 64 Resp: 135027

Ion Ratio Lower Upper

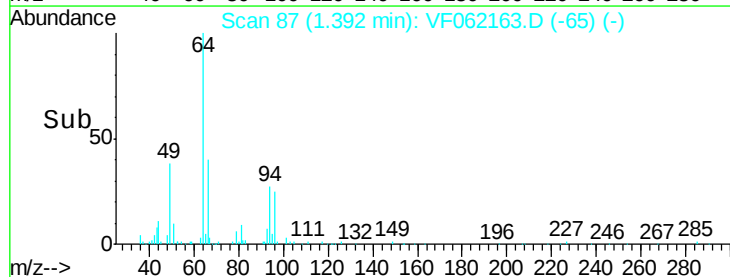
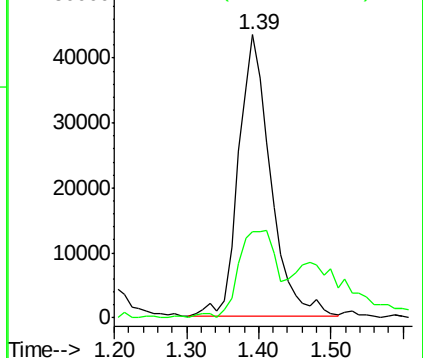
64 100

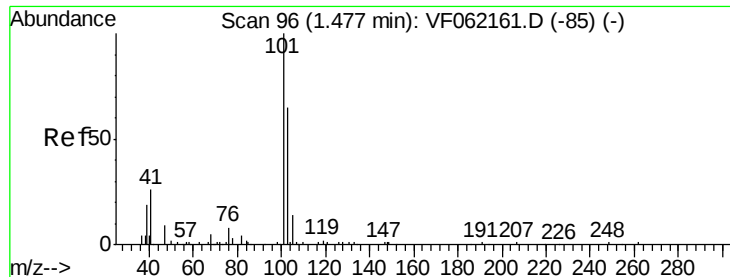
66 30.7 27.8 41.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



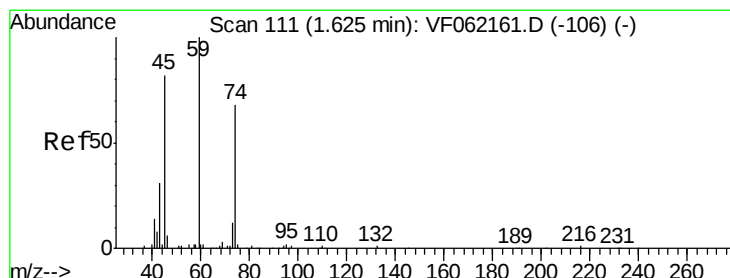
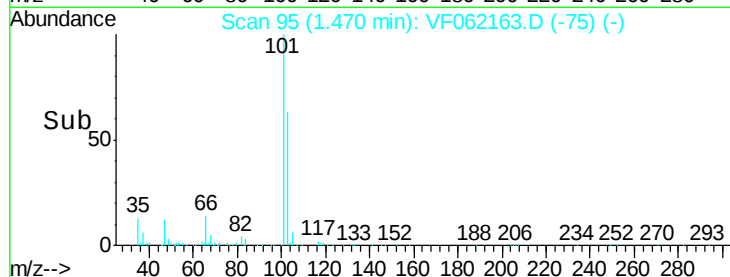
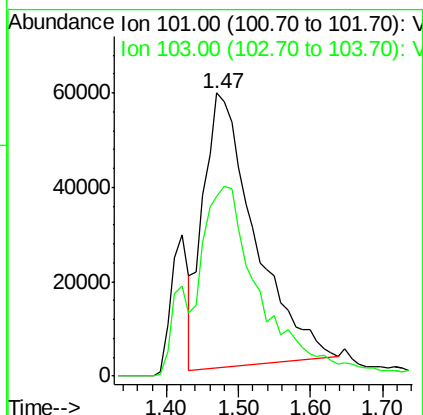
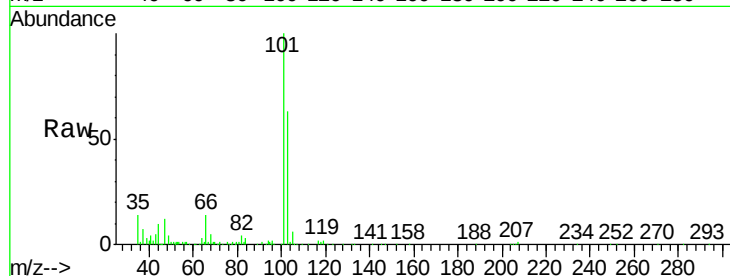


#7

Trichlorofluoromethane
 Concen: 88.656 ug/l
 RT: 1.47 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

Instrument :
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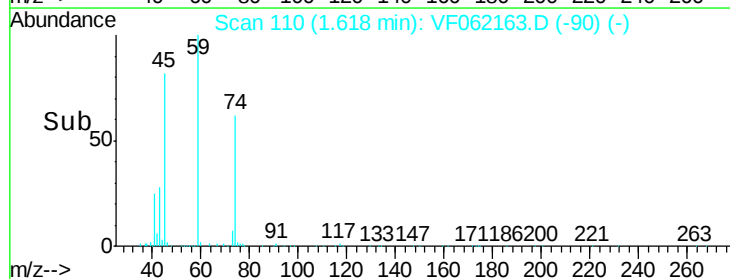
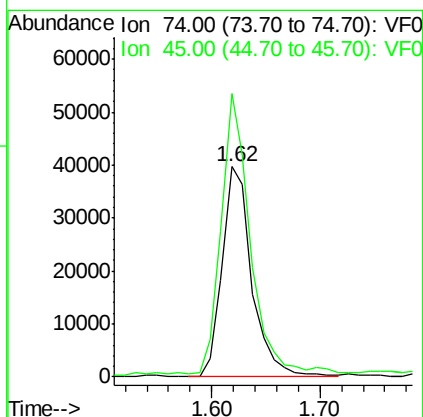
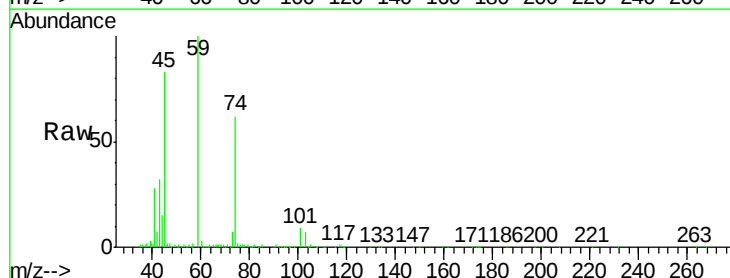
Tgt Ion: 101 Resp: 287097
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.0 78.0

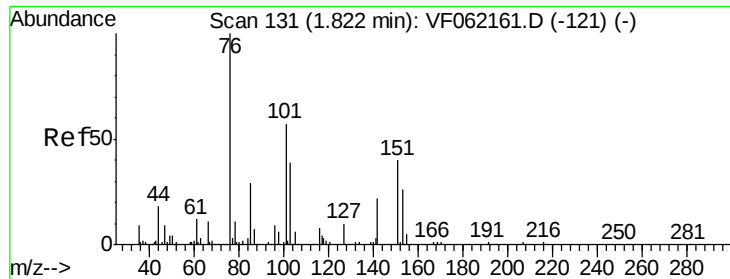


#8

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

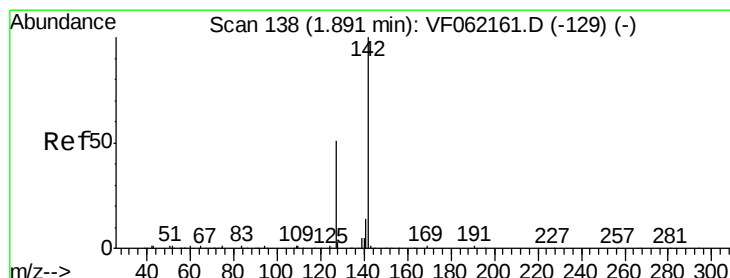
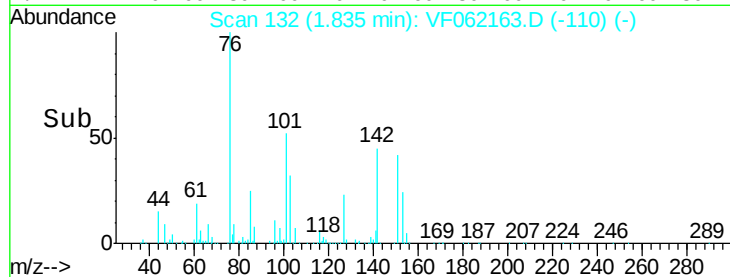
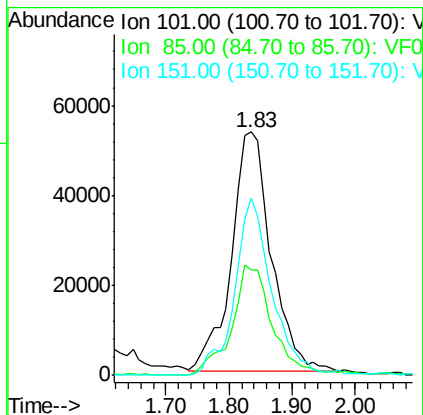
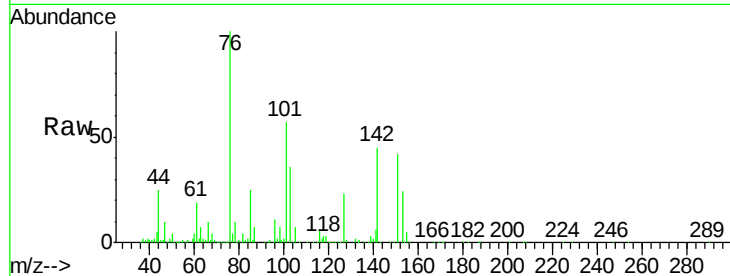
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	232622
Ion Ratio	Lower	Upper	
101	100		
85	43.3	41.0	61.6
151	72.6	56.5	84.7



#10

Methyl Iodide

Concen: 81.156 ug/l

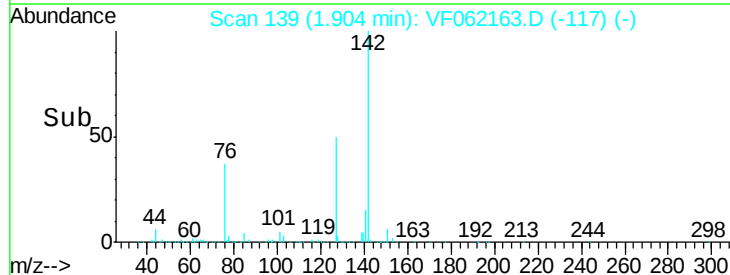
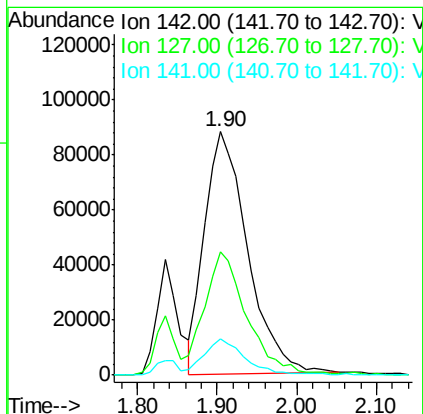
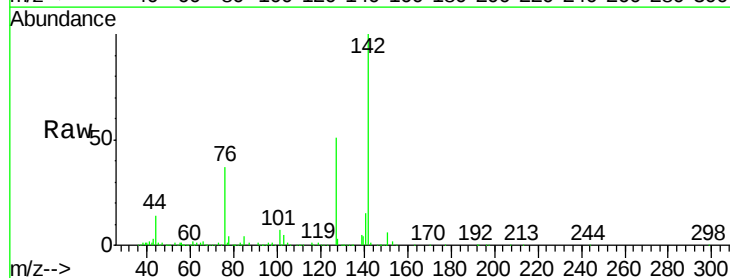
RT: 1.90 min Scan# 139

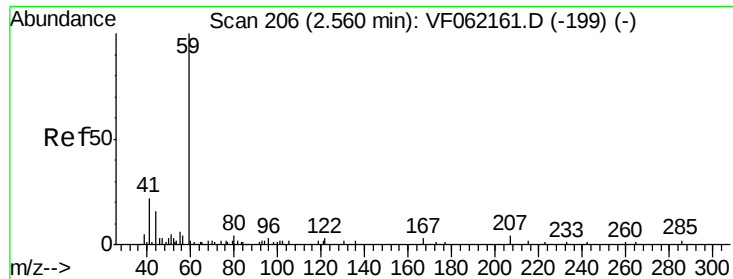
Delta R.T. 0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

Tgt Ion:	142	Resp:	330720
Ion Ratio	Lower	Upper	
142	100		
127	50.5	40.7	61.1
141	14.7	11.1	16.7

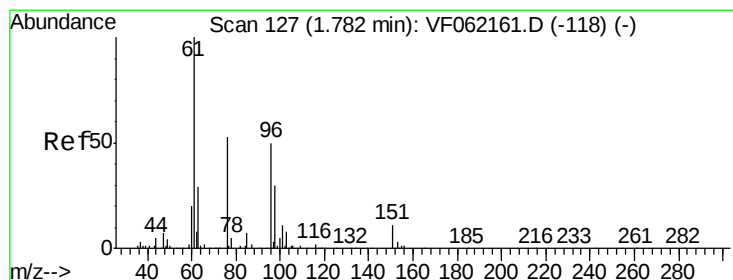
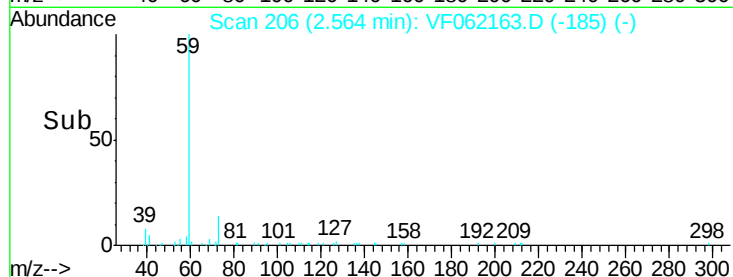
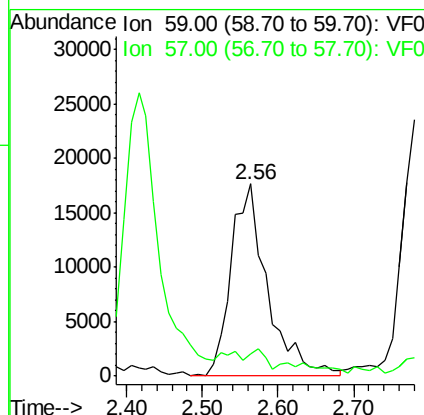
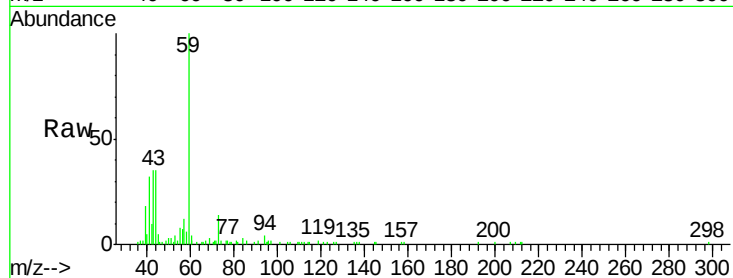




#11
Tert butyl alcohol
Concen: 654.550 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

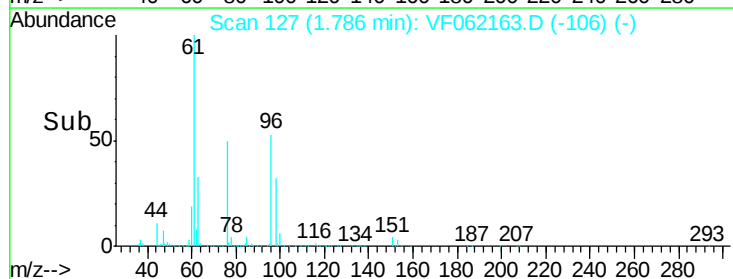
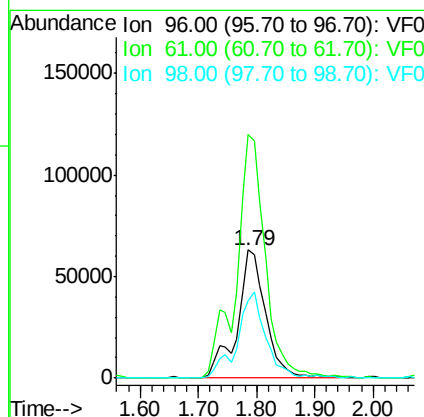
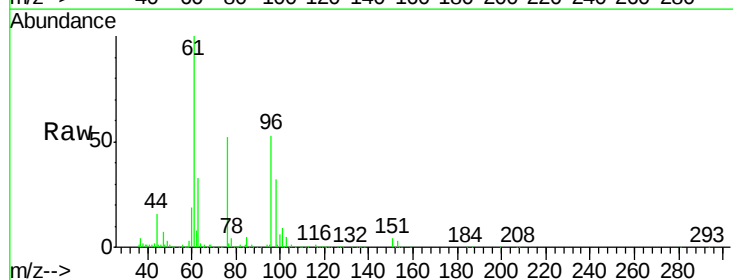
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

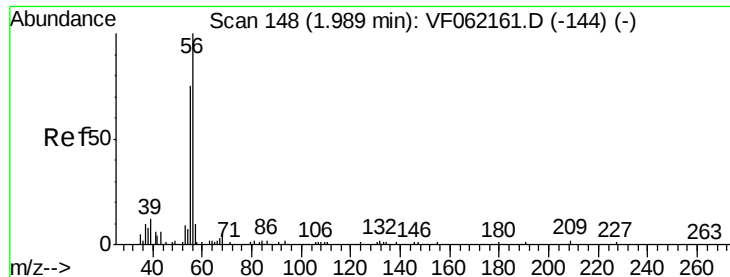
Tgt Ion: 59 Resp: 58557
Ion Ratio Lower Upper
59 100
57 11.9 9.5 14.3



#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

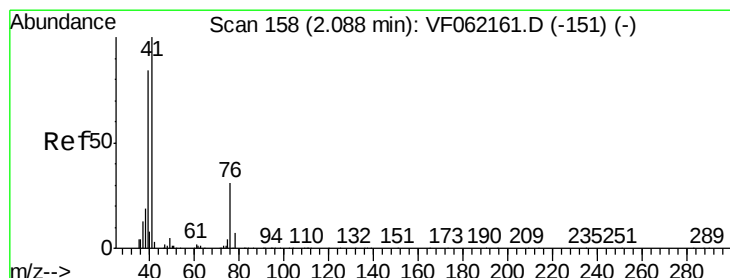
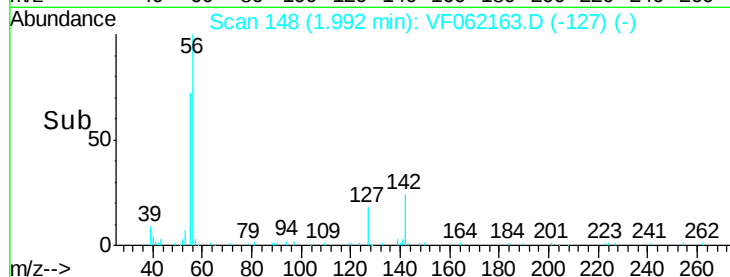
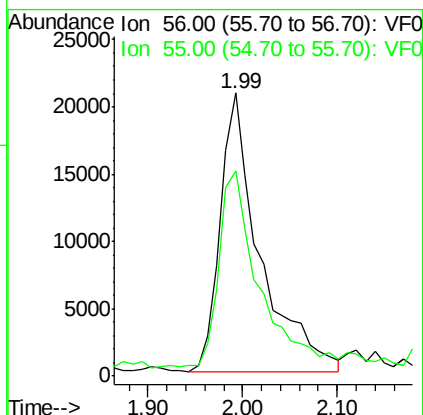
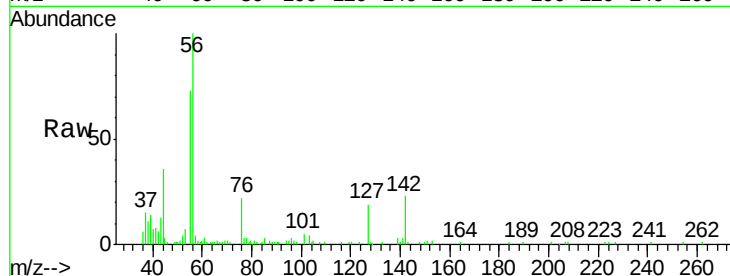




#13
Acrolein
Concen: 567.710 ug/l
RT: 1.99 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

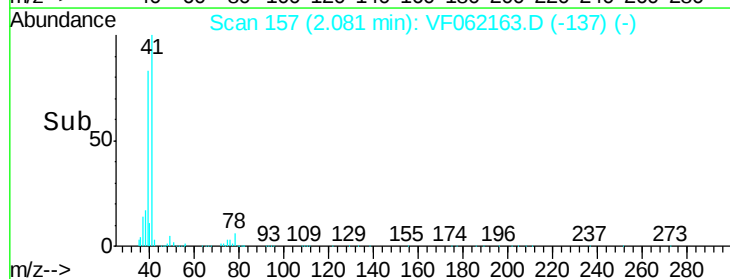
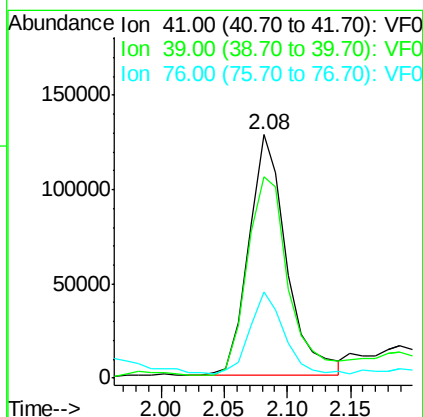
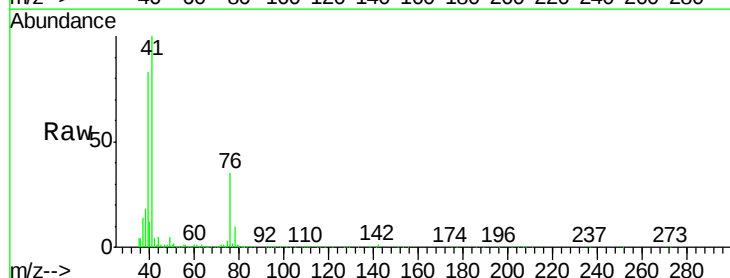
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

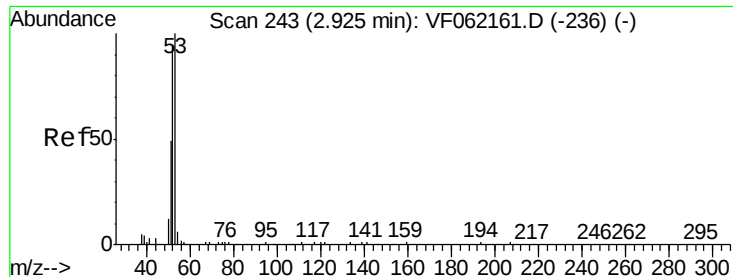
Tgt Ion: 56 Resp: 59931
Ion Ratio Lower Upper
56 100
55 72.5 63.5 95.3



#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

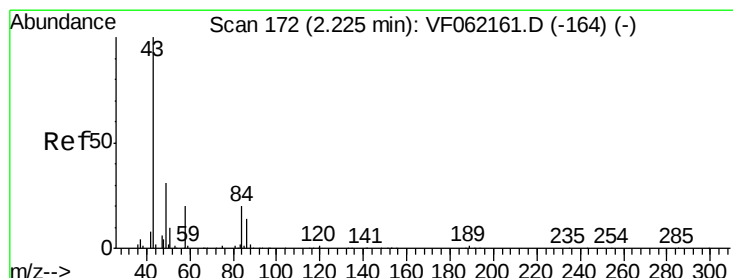
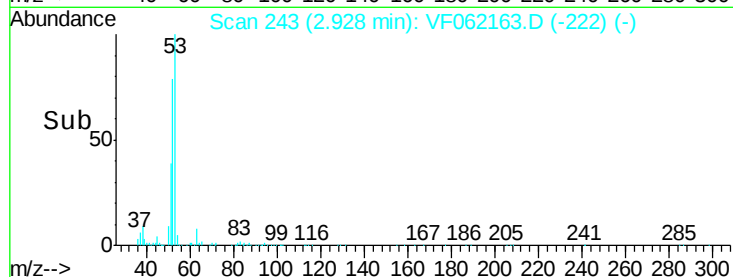
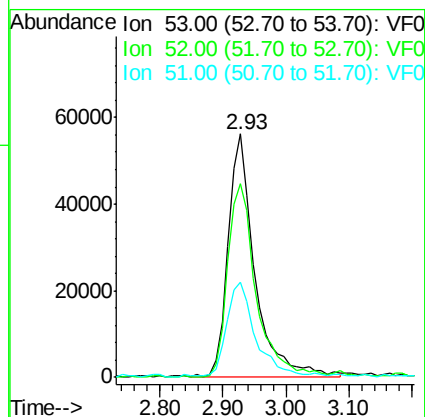
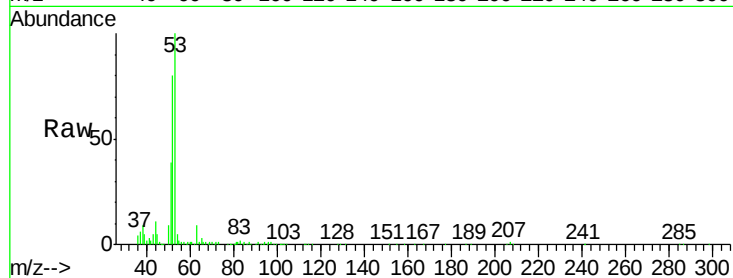
Tgt Ion: 53 Resp: 163421

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

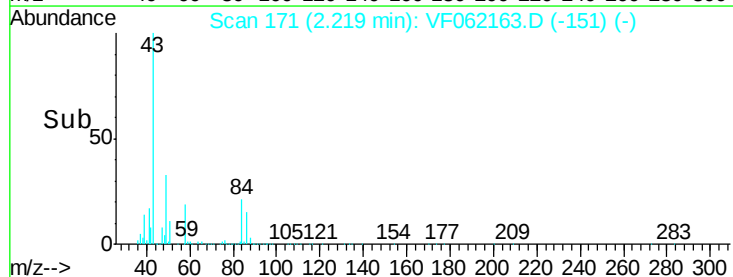
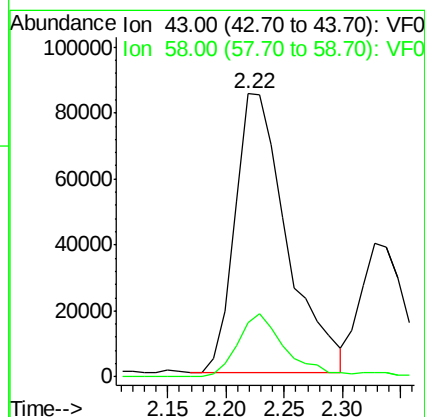
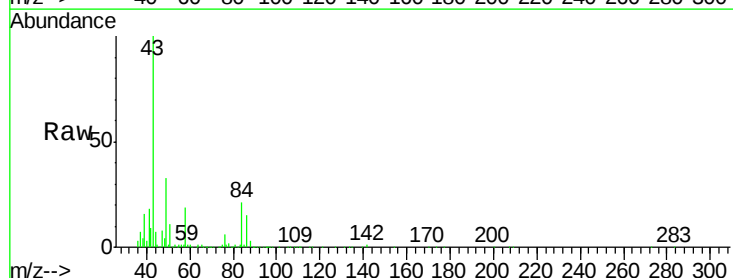
Acq: 4 Apr 2019 18:04

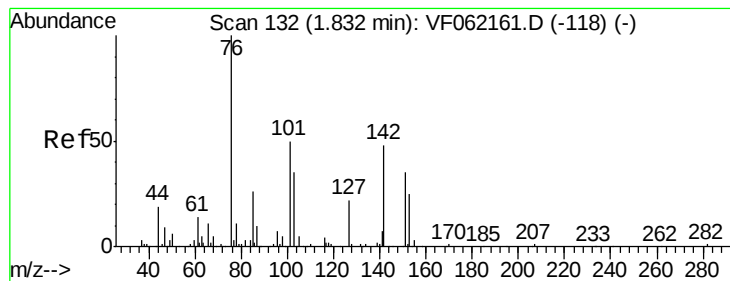
Tgt Ion: 43 Resp: 260739

Ion Ratio Lower Upper

43 100

58 19.4 15.7 23.5





#17

Carbon Disulfide

Concen: 94.044 ug/l

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 :

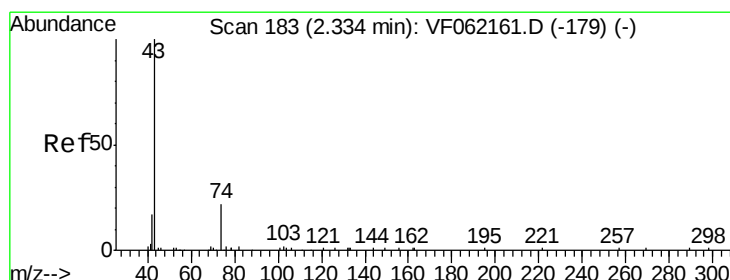
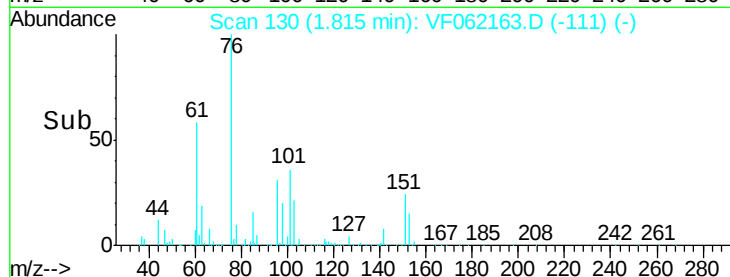
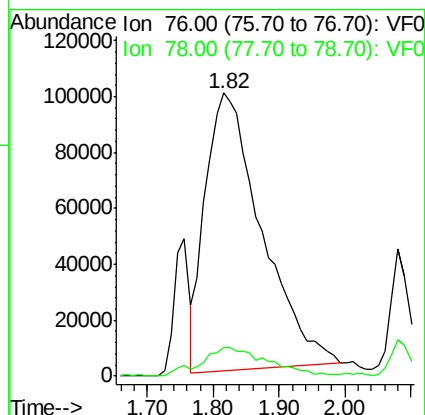
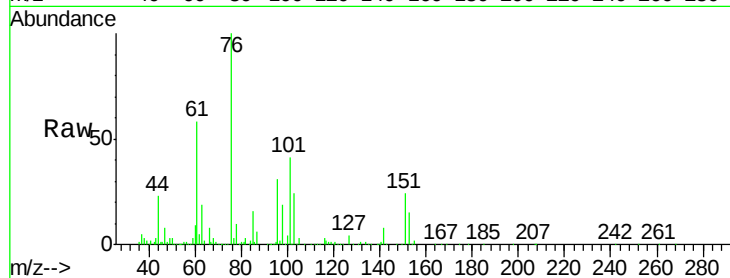
VSTDIC100

Tgt Ion: 76 Resp: 586101

Ion Ratio Lower Upper

76 100

78 10.1 8.6 13.0



#18

Methyl Acetate

Concen: 130.099 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.08 min

Lab File: VF062163.D

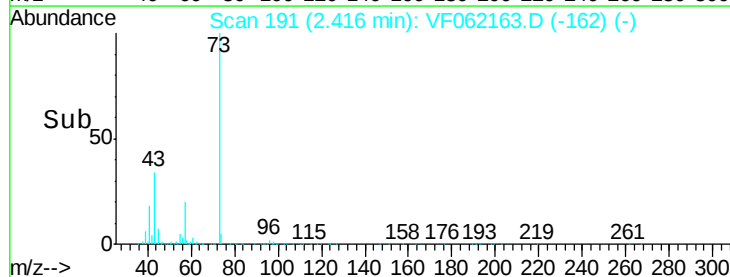
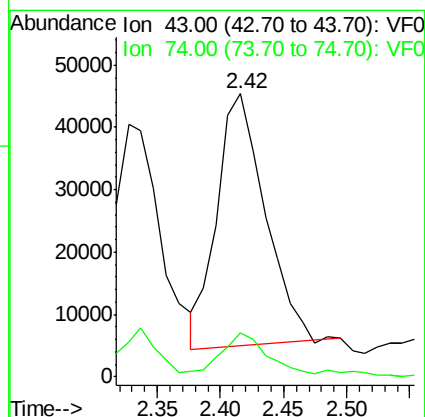
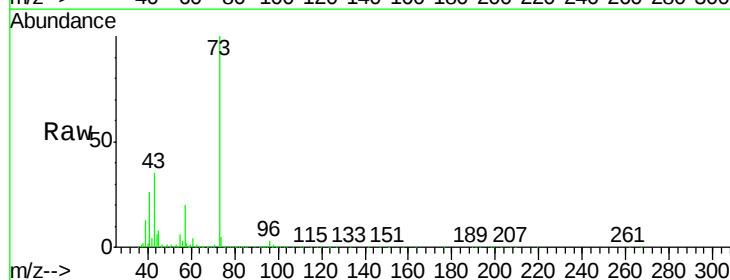
Acq: 4 Apr 2019 18:04

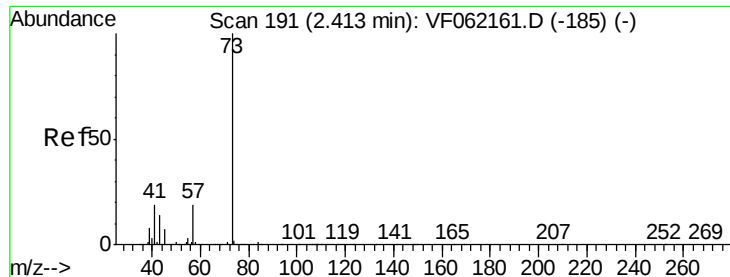
Tgt Ion: 43 Resp: 107084

Ion Ratio Lower Upper

43 100

74 15.5 14.3 21.5



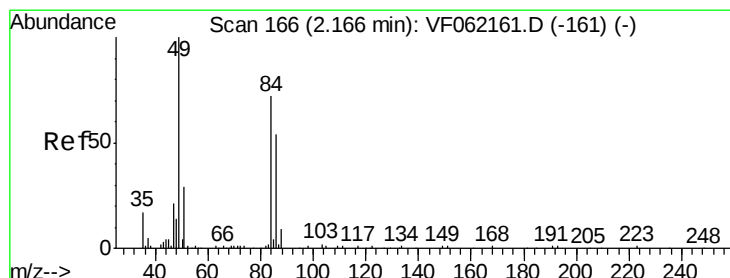
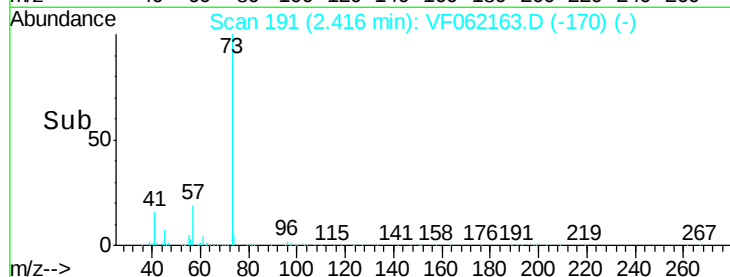
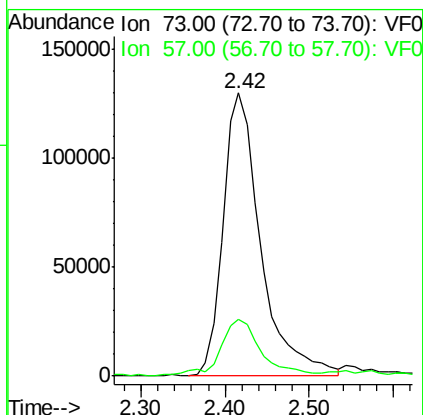
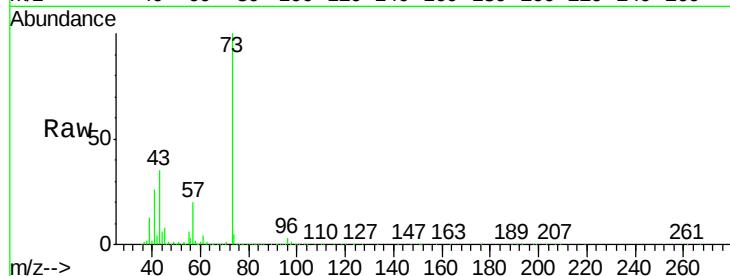


#19

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

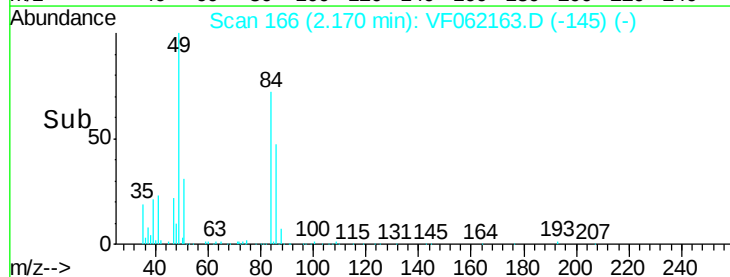
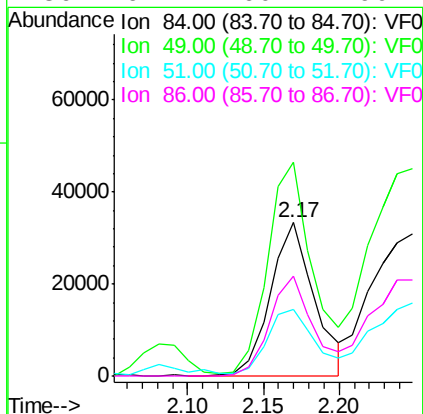
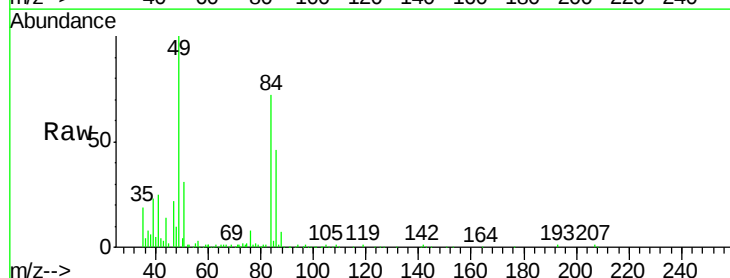
Tgt Ion: 73 Resp: 401265
Ion Ratio Lower Upper
73 100
57 20.0 17.4 26.0

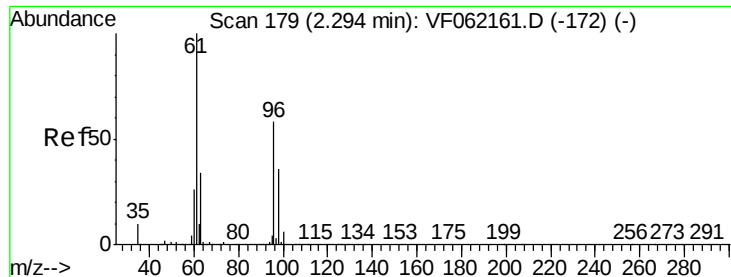


#20

Methylene Chloride
Concen: 29.397 ug/l
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: 67910
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

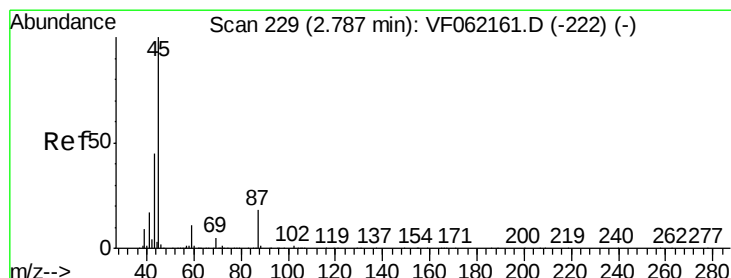
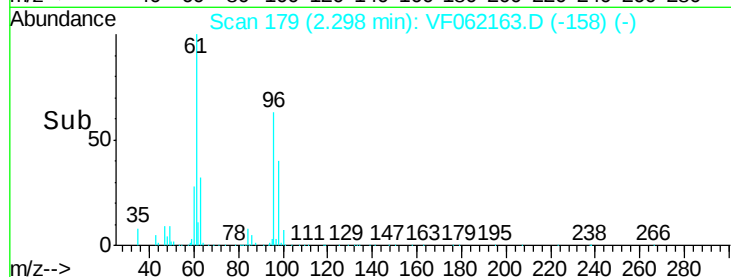
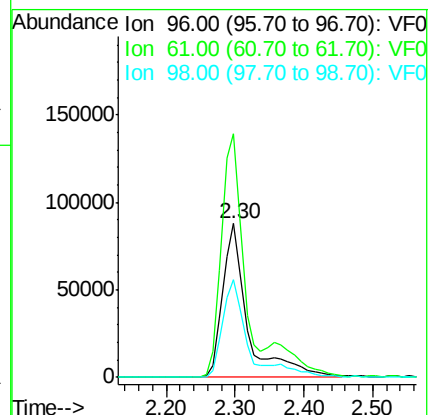
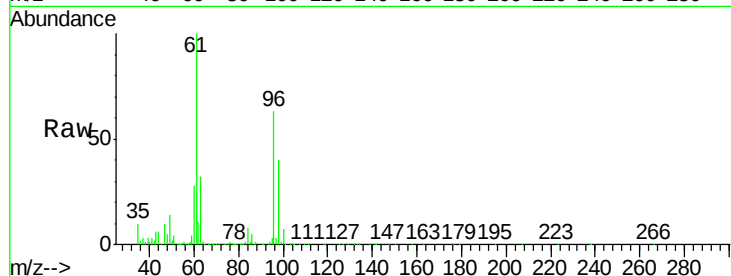
Tgt Ion: 96 Resp: 221161

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

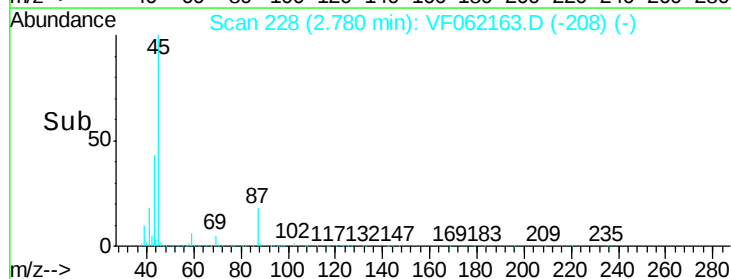
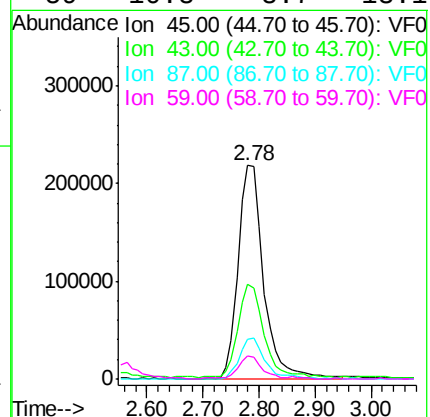
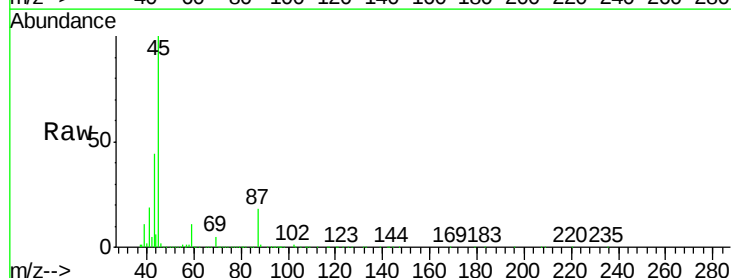
Ion Ratio Lower Upper

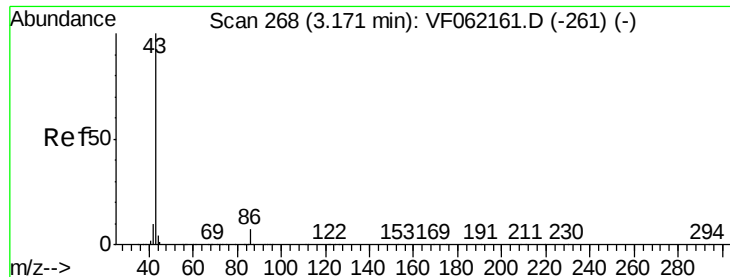
45 100

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 :

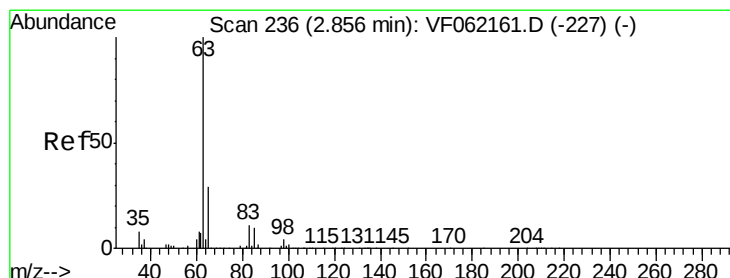
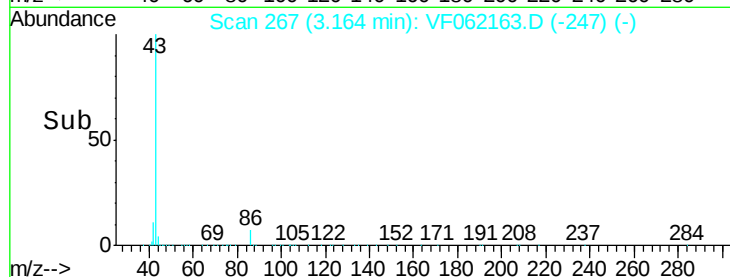
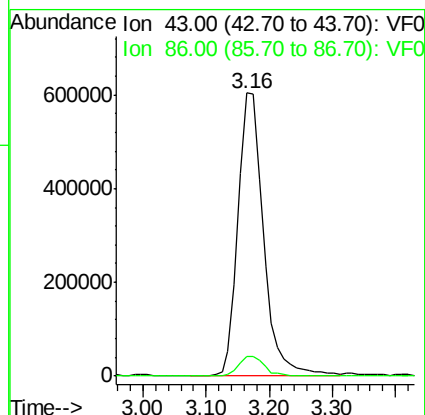
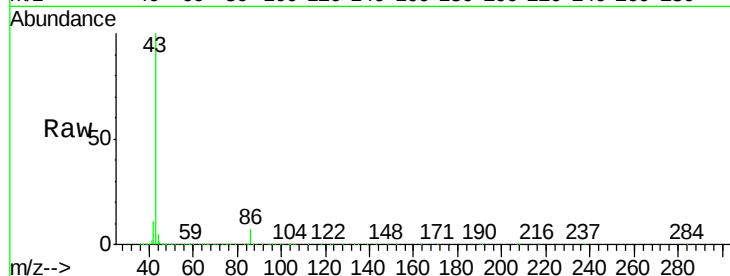
VSTDIC100

Tgt 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

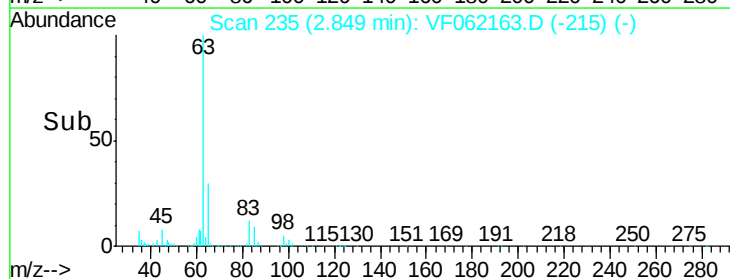
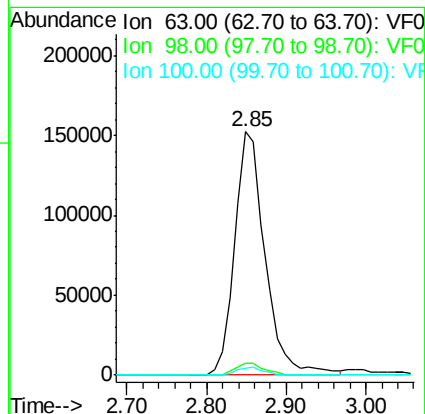
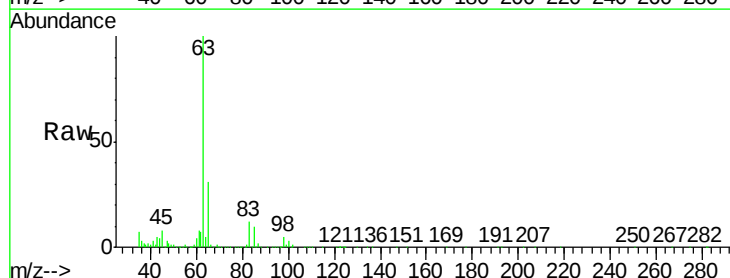
Tgt Ion: 63 Resp: 405031

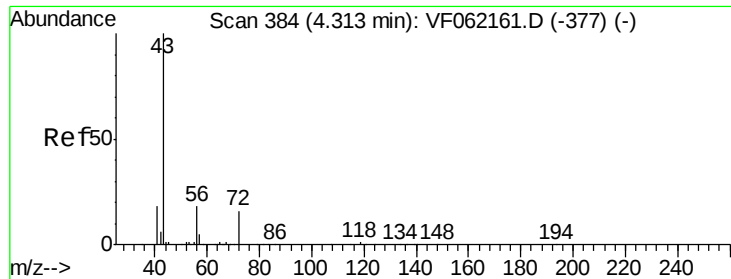
Ion Ratio Lower Upper

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 :

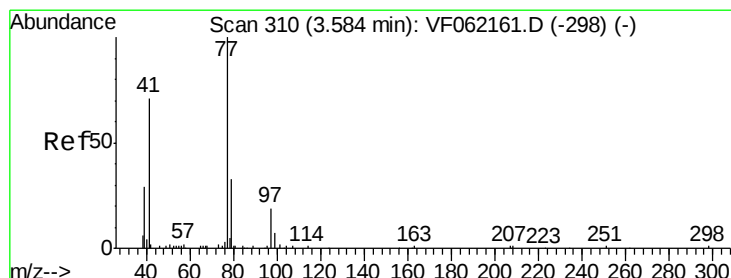
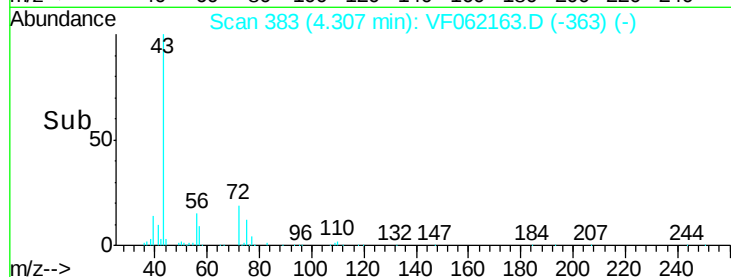
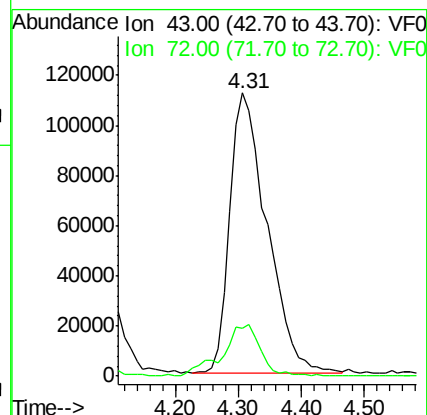
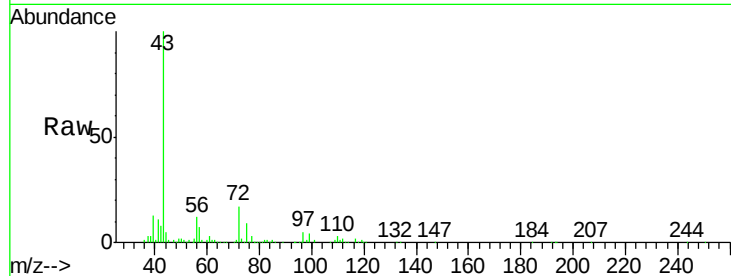
VSTDIC100

Tgt 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

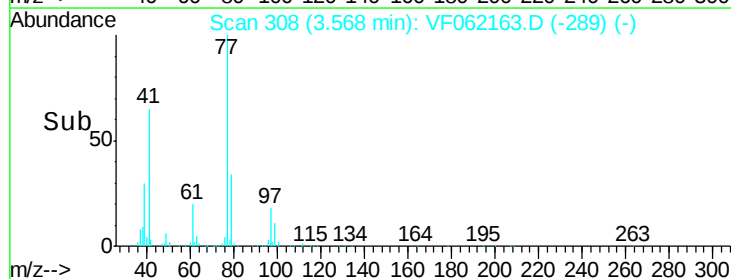
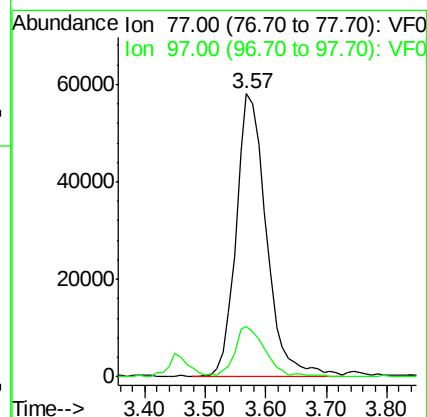
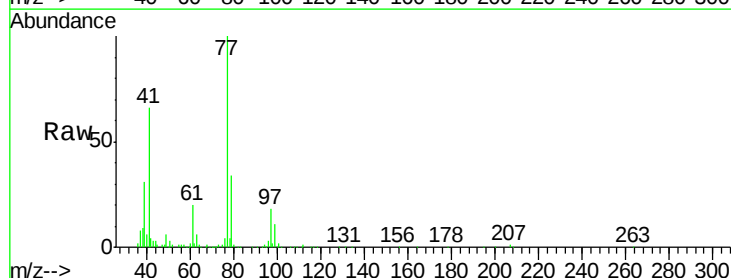
Acq: 4 Apr 2019 18:04

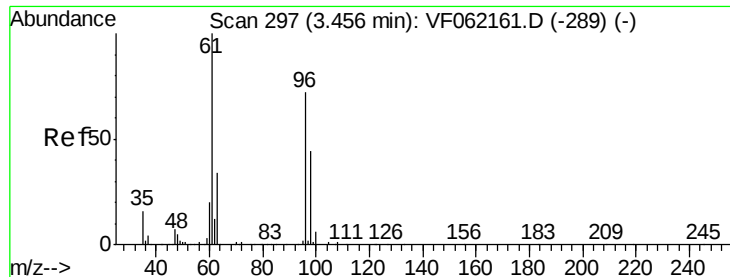
Tgt Ion: 77 Resp: 200938

Ion Ratio Lower Upper

77 100

97 17.7 11.4 34.2



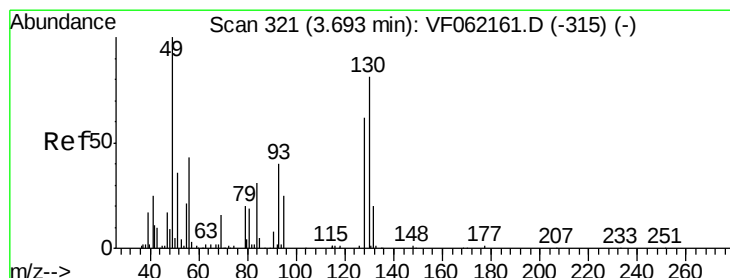
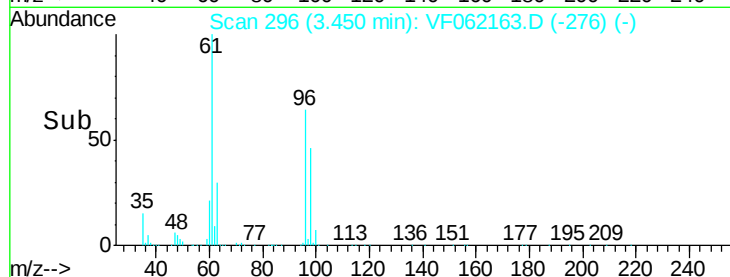
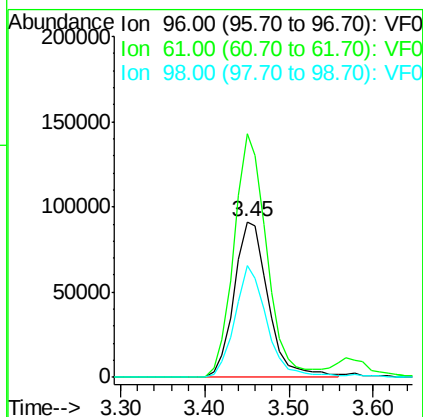
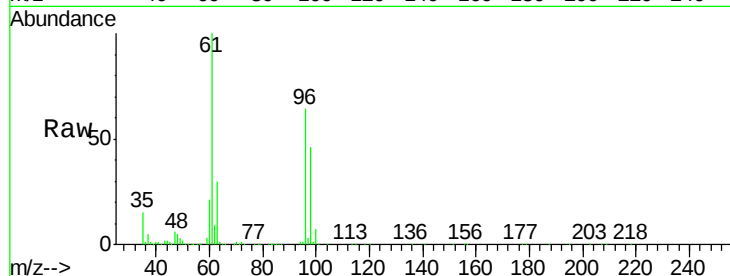


#27

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

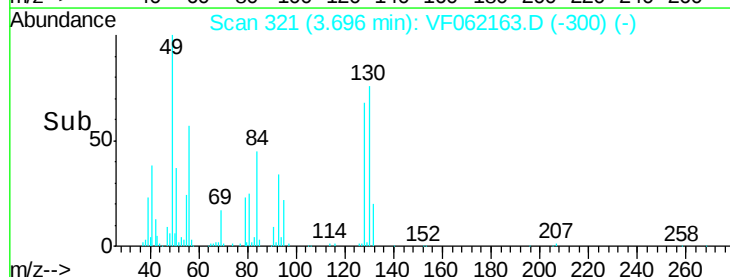
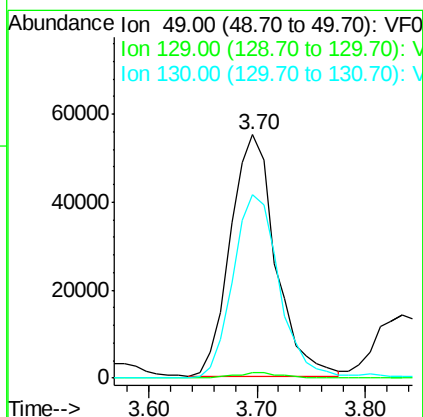
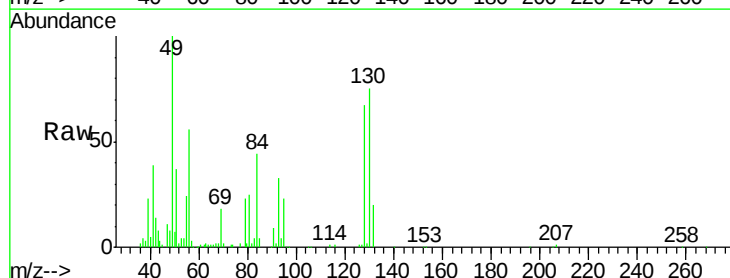
Tgt Ion: 96 Resp: 258302
Ion Ratio Lower Upper
96 100
61 156.7 0.0 278.2
98 71.7 0.0 122.2

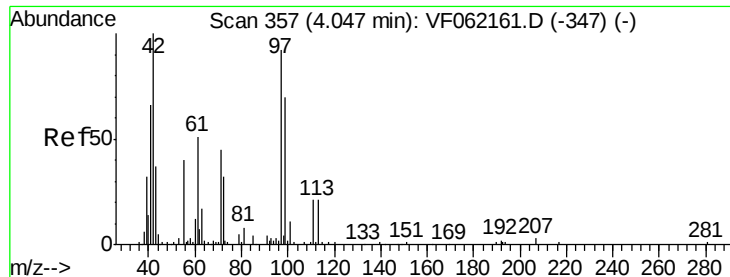


#28

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

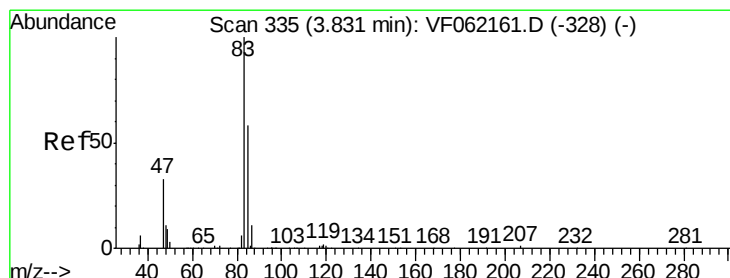
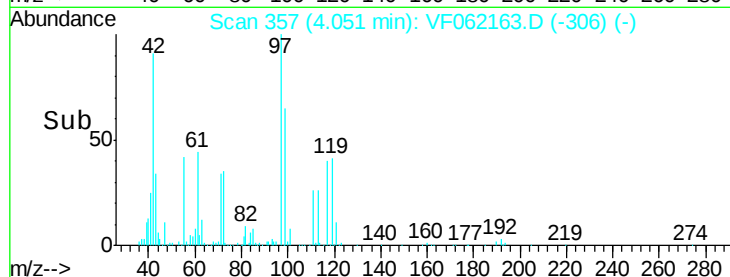
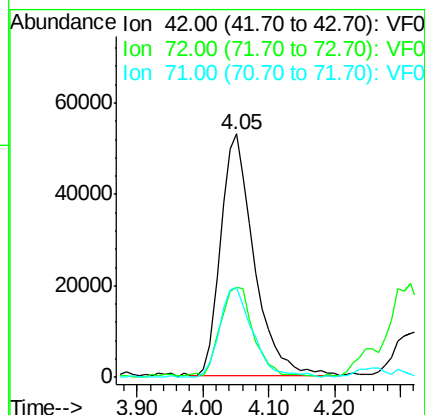
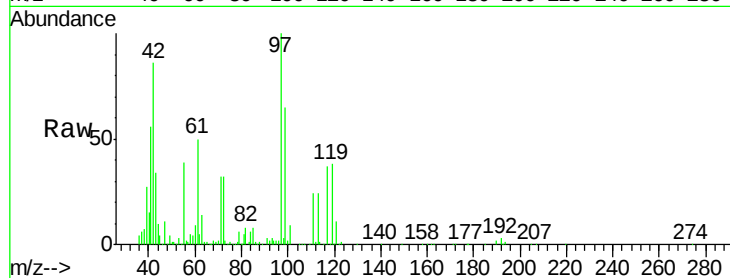
Tgt Ion: 42 Resp: 187960

Ion Ratio Lower Upper

42 100

72 38.1 30.9 46.3

71 36.8 32.0 48.0



#30

Chloroform

Concen: 122.400 ug/l

RT: 3.83 min Scan# 335

Delta R.T. 0.00 min

Lab File: VF062163.D

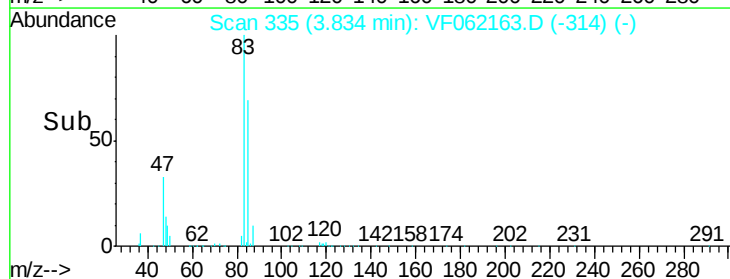
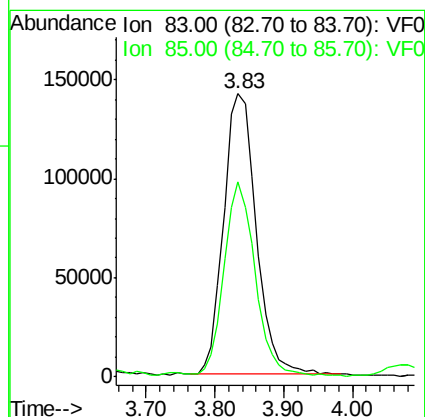
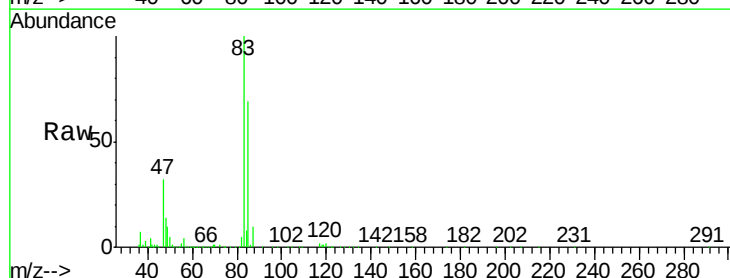
Acq: 4 Apr 2019 18:04

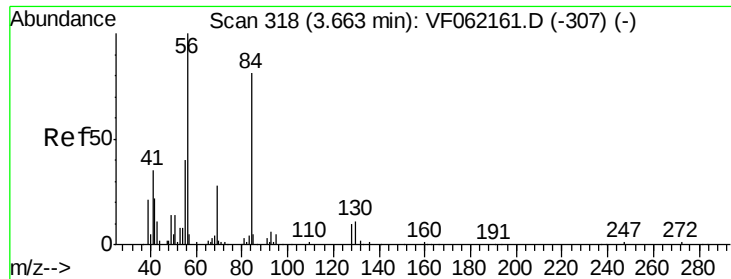
Tgt Ion: 83 Resp: 462334

Ion Ratio Lower Upper

83 100

85 69.0 46.9 70.3

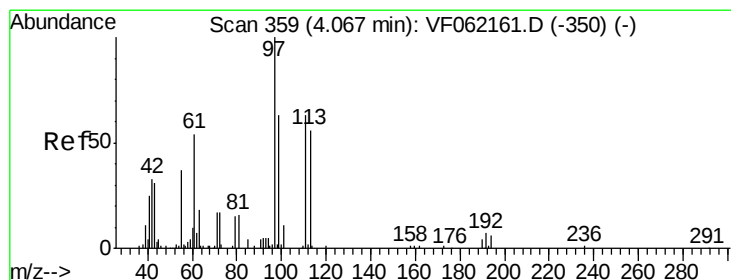
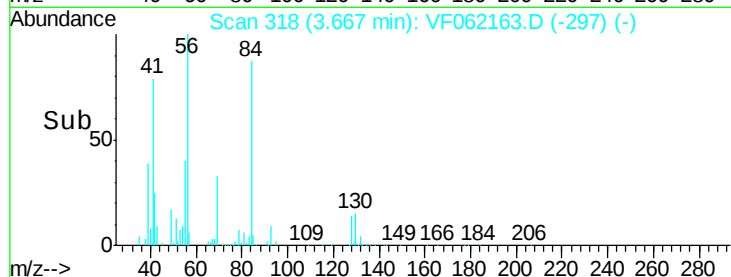
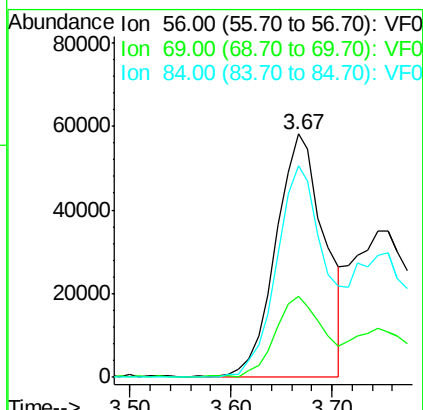
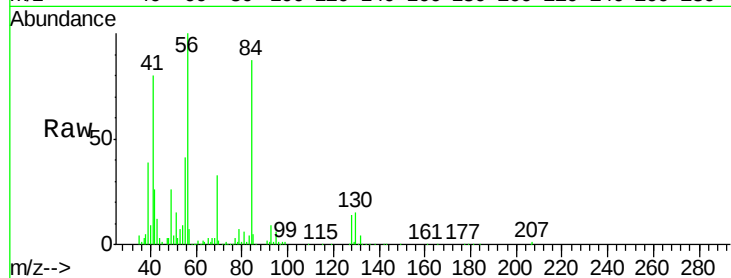




#31
Cyclohexane
Concen: 54.239 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

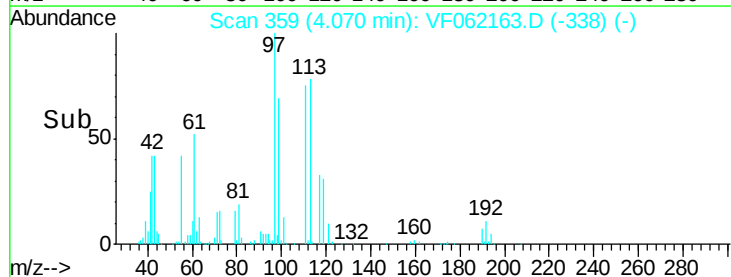
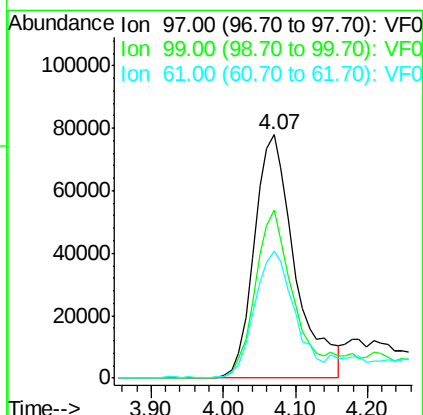
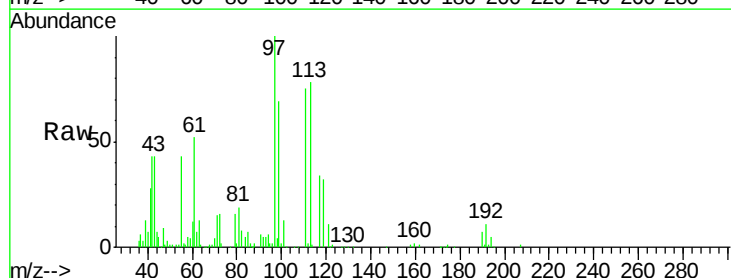
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

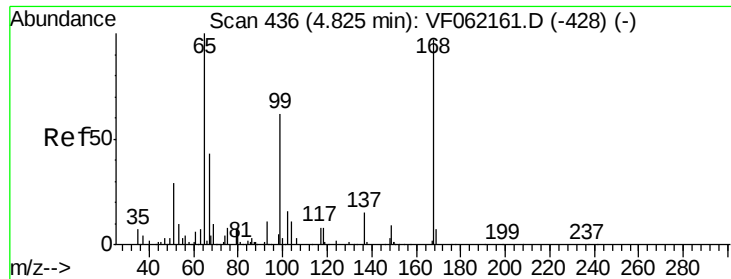
Tgt Ion	Resp	Lower	Upper
56	100		
69	33.2	23.0	34.4
84	87.2	64.4	96.6



#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	Resp	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 :

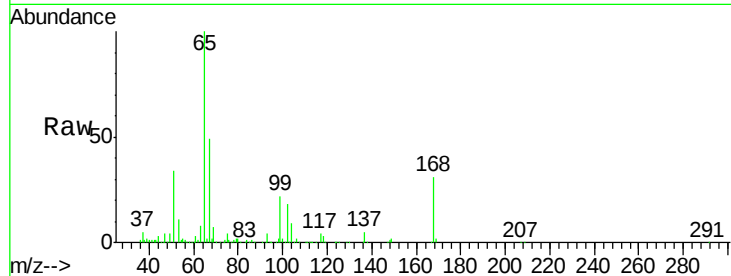
VSTDIC100

Tgt Ion: 65 Resp: 258639

Ion Ratio Lower Upper

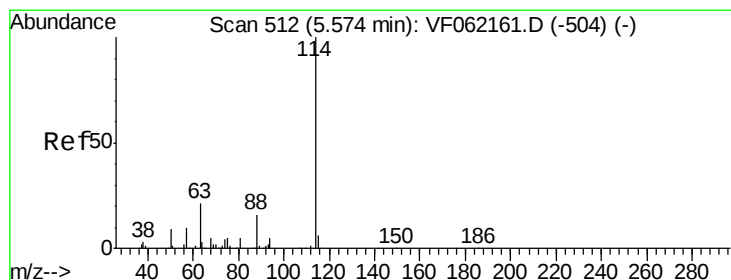
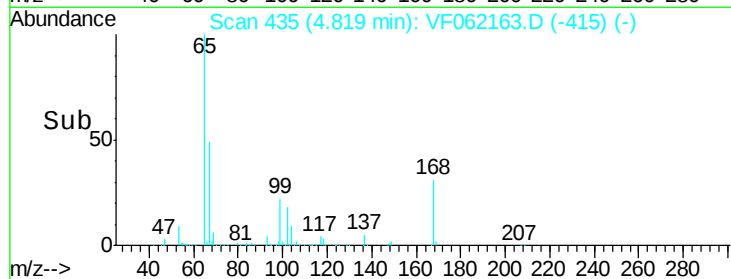
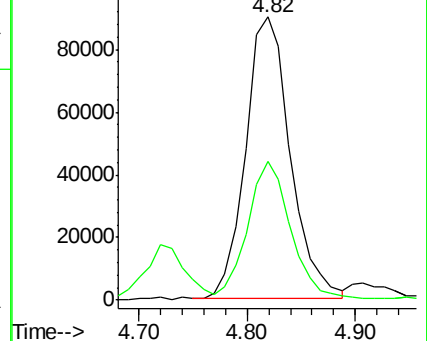
65 100

67 49.2 0.0 96.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#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

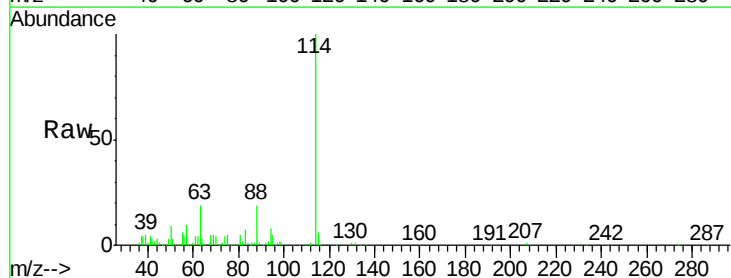
Tgt Ion: 114 Resp: 333512

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

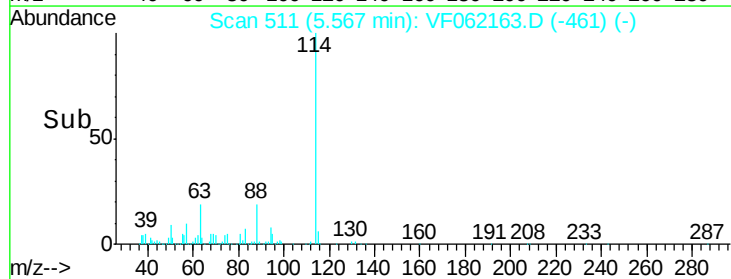
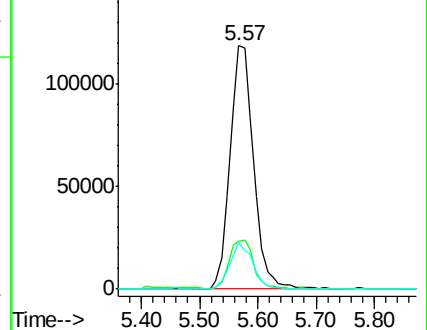
88 19.1 0.0 31.4

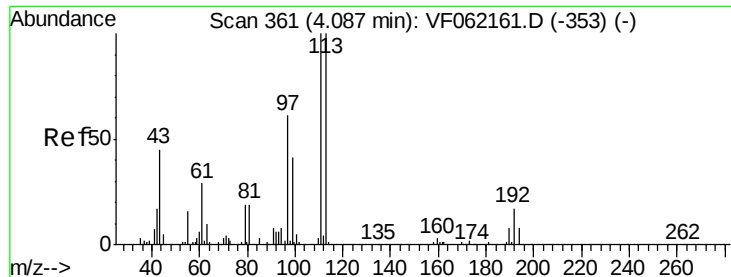


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#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

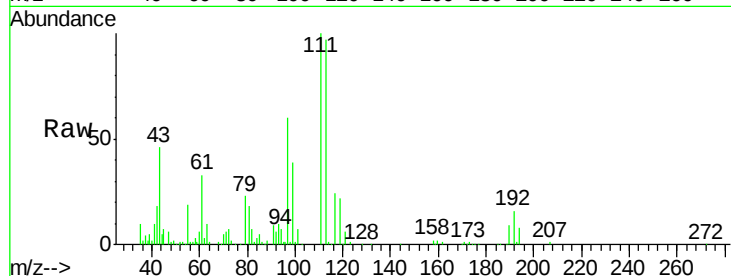
Tgt Ion: 113 Resp: 271348

Ion Ratio Lower Upper

113 100

111 103.3 79.8 119.6

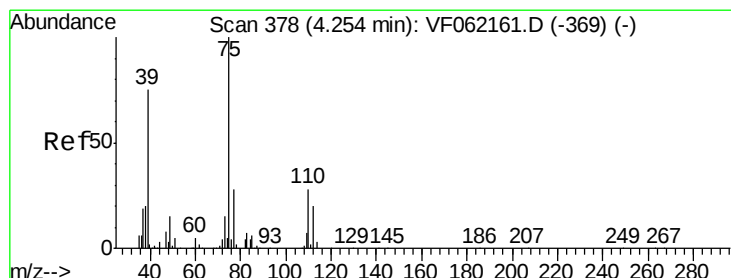
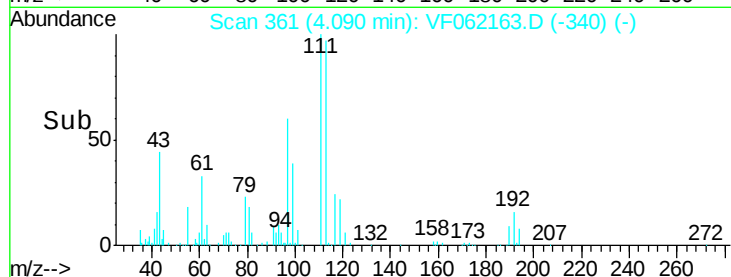
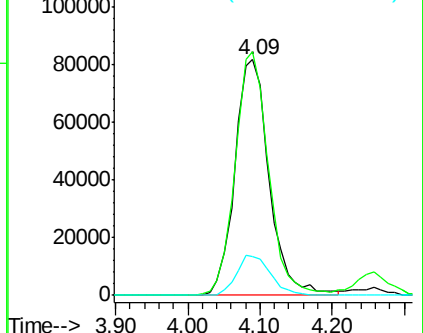
192 16.4 13.8 20.6



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

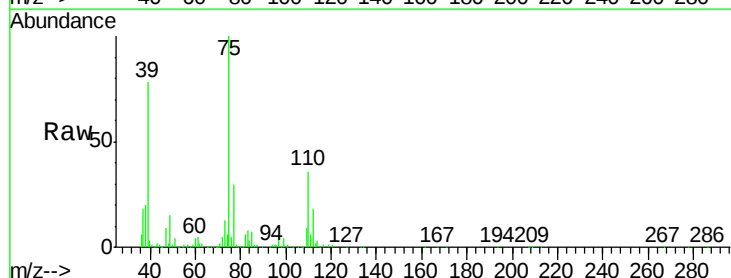
Tgt Ion: 75 Resp: 402462

Ion Ratio Lower Upper

75 100

110 35.8 13.9 41.7

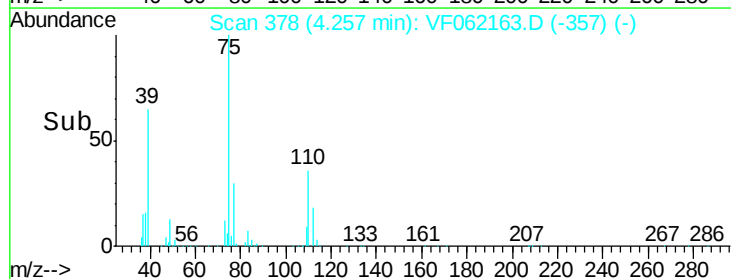
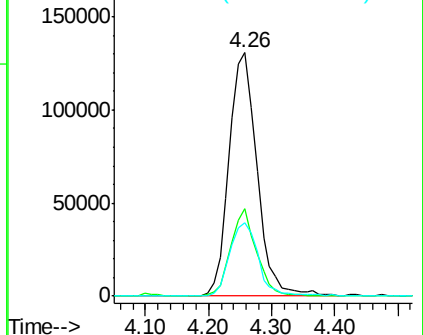
77 30.1 22.6 34.0

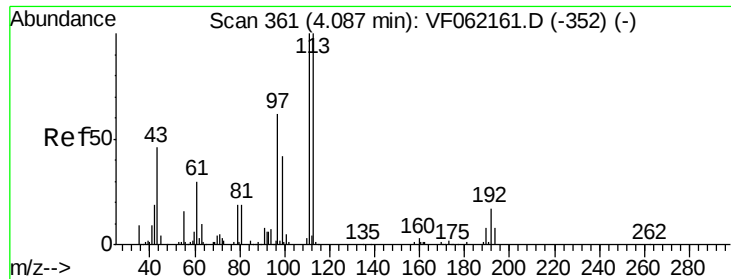


Abundance Ion 75.00 (74.70 to 75.70): VF0

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

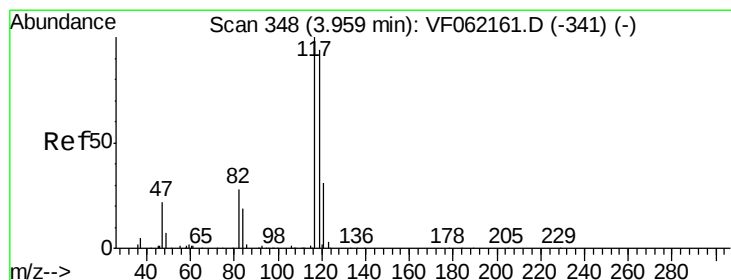
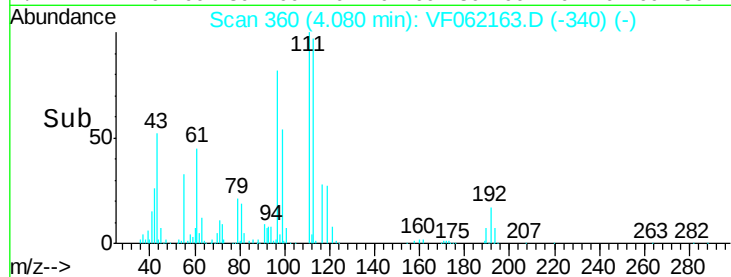
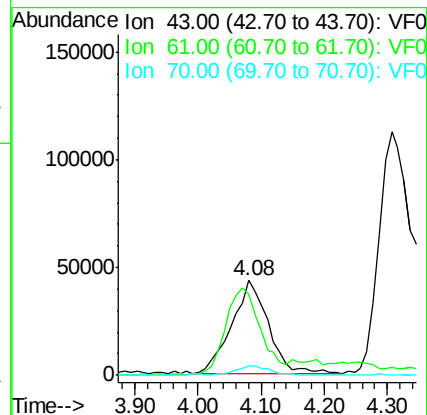
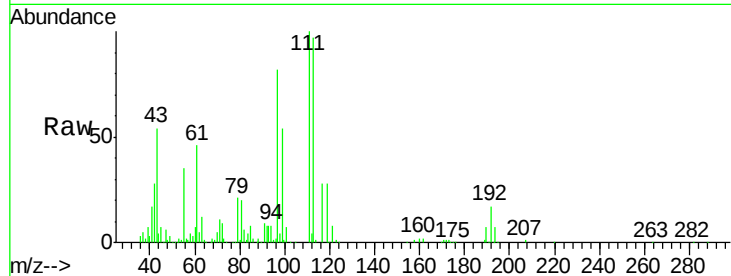
Tgt Ion: 43 Resp: 173195

Ion Ratio Lower Upper

43 100

61 84.9 52.3 78.5#

70 10.1 6.4 9.6#



#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

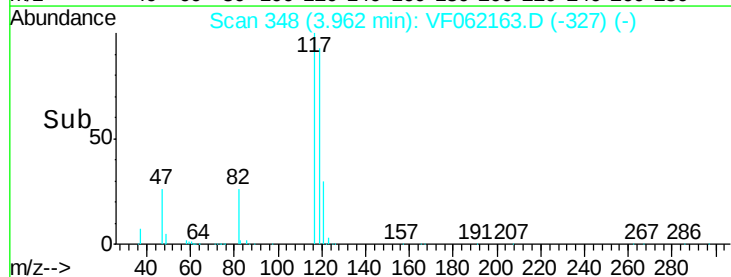
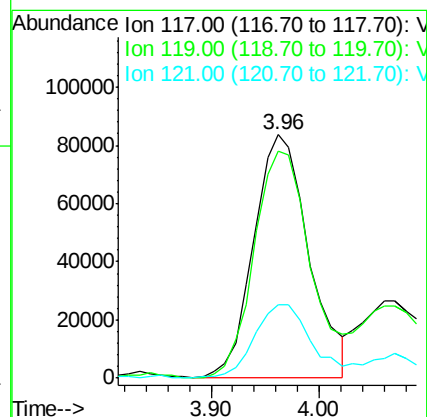
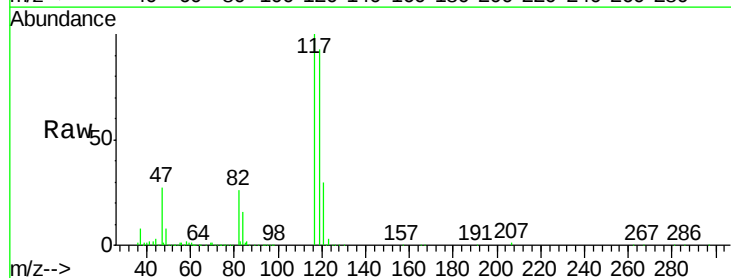
Tgt Ion: 117 Resp: 294239

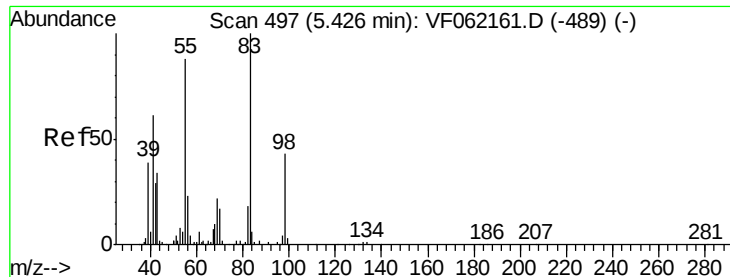
Ion Ratio Lower Upper

117 100

119 93.1 75.5 113.3

121 30.4 24.6 37.0

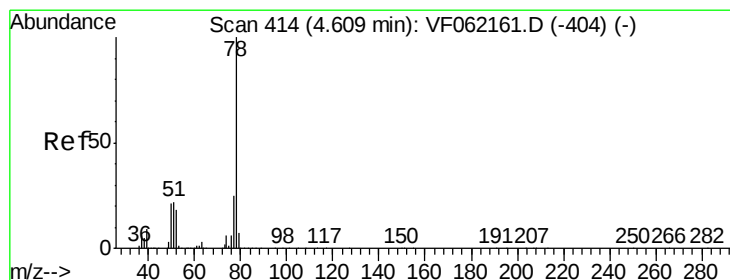
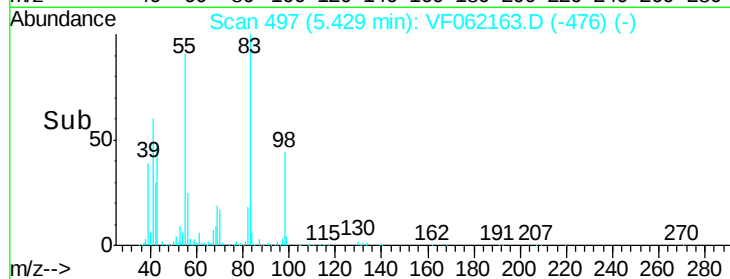
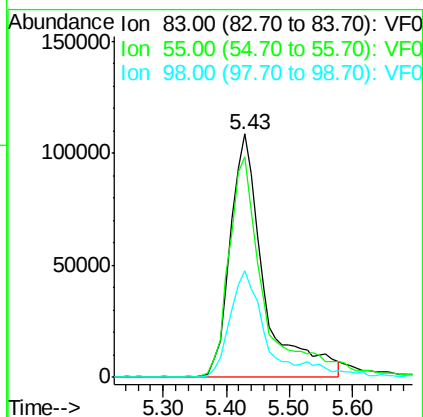
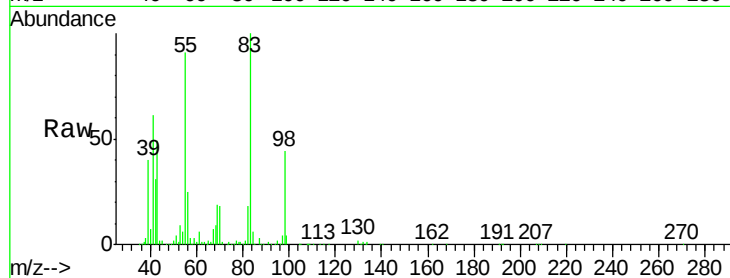




#39
Methylcyclohexane
Concen: 110.913 ug/l
RT: 5.43 min Scan# 497
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

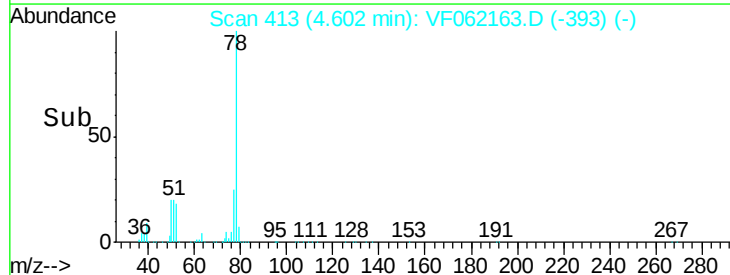
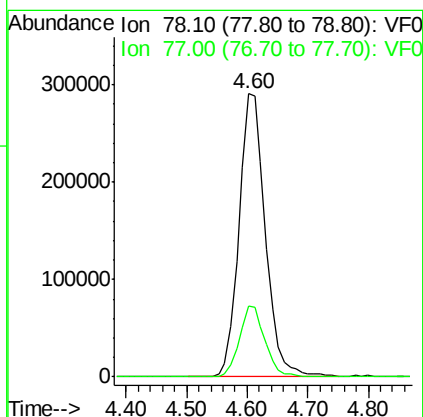
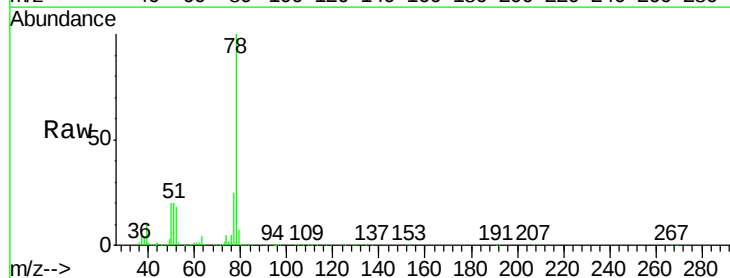
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

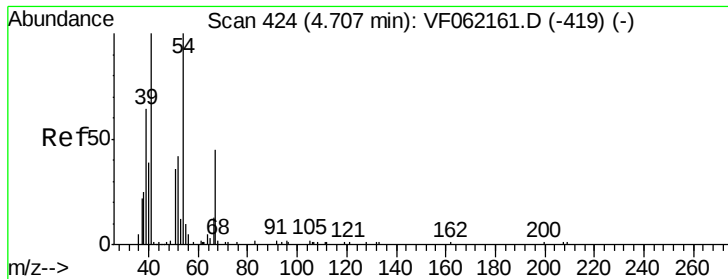
Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.6	70.7	106.1
98	43.9	34.6	51.8



#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	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 :

VSTDICC100

Tgt Ion: 41 Resp: 94477

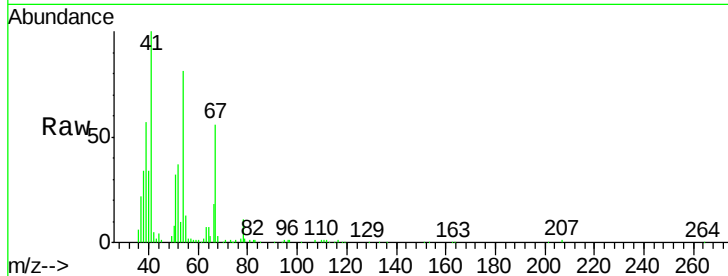
Ion Ratio Lower Upper

41 100

39 57.0 56.5 84.7

67 56.2 35.7 53.5#

52 37.1 42.2 63.4#

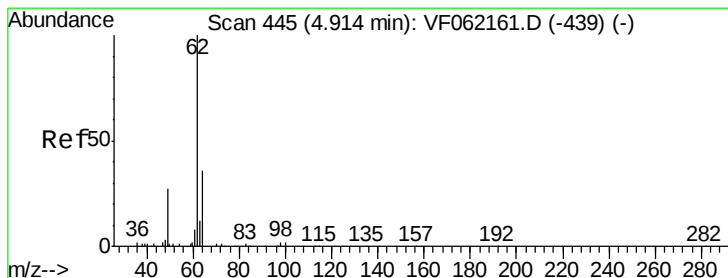
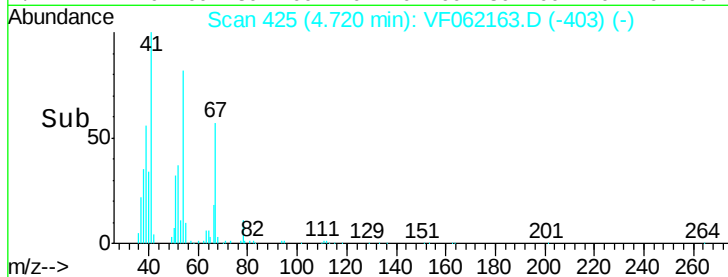
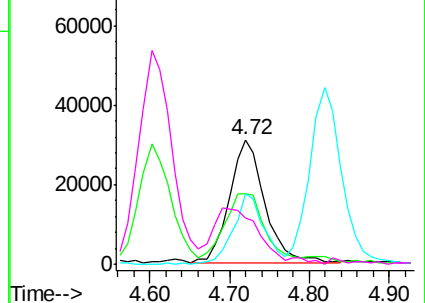


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 148.287 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF062163.D

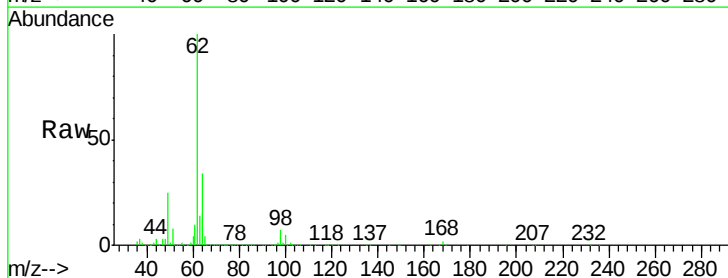
Acq: 4 Apr 2019 18:04

Tgt Ion: 62 Resp: 319393

Ion Ratio Lower Upper

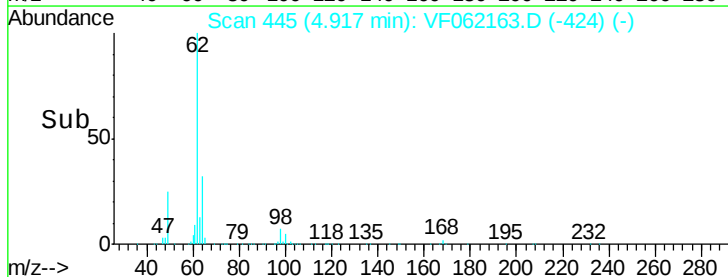
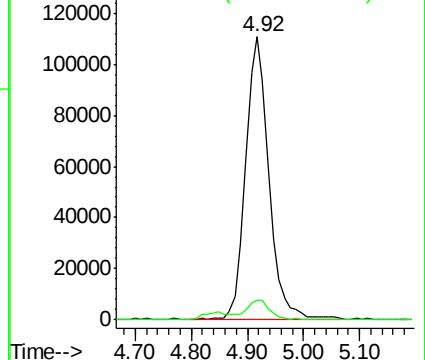
62 100

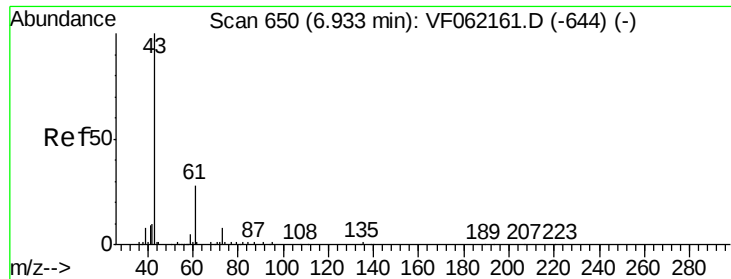
98 6.8 0.0 14.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

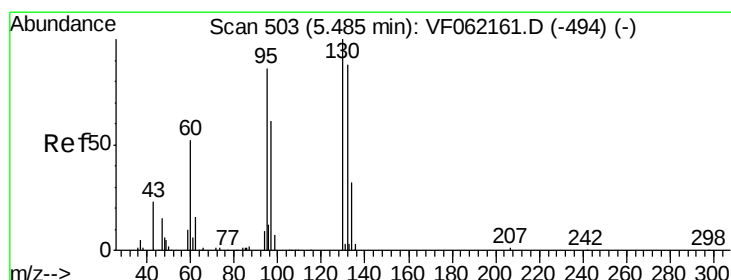
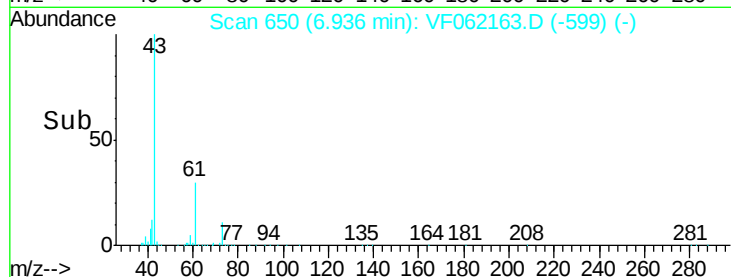
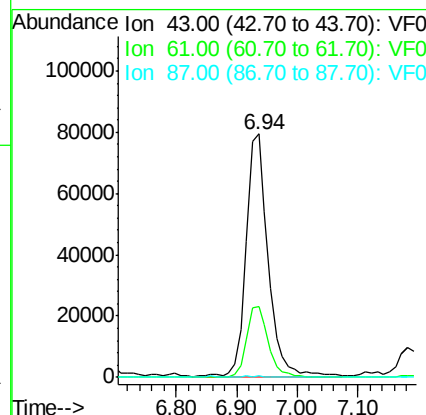
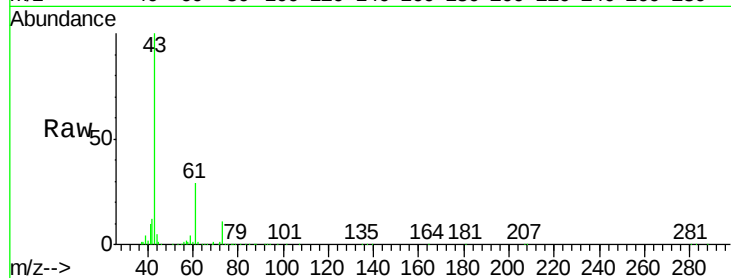




#43
Isopropyl Acetate
Concen: 118.378 ug/l
RT: 6.94 min Scan# 650
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

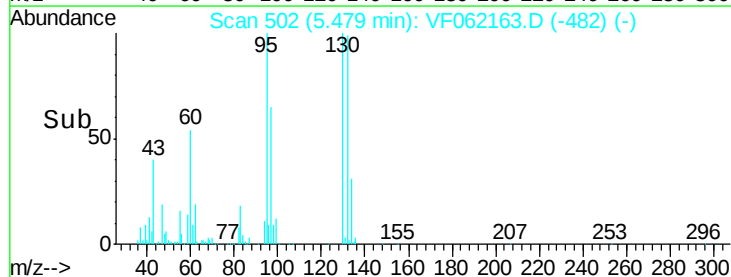
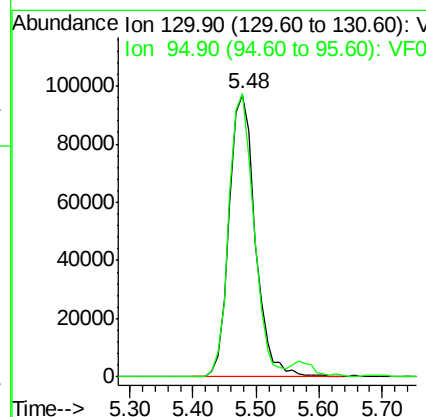
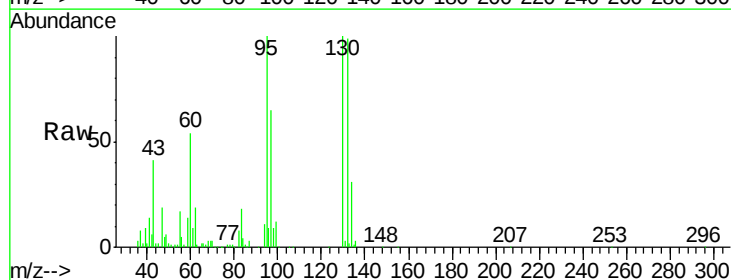
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

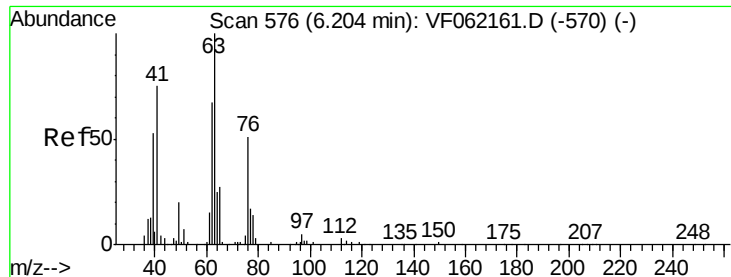
Tgt Ion: 43 Resp: 198793
Ion Ratio Lower Upper
43 100
61 29.1 22.5 33.7
87 0.5 0.5 0.7



#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





#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 :

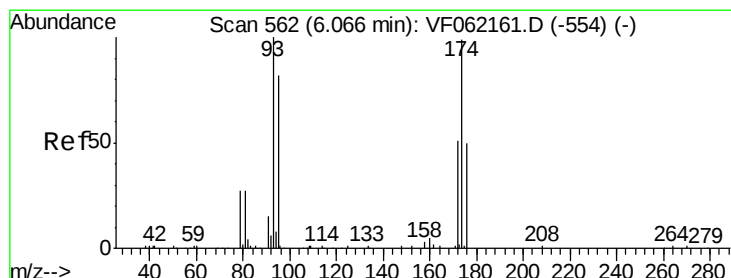
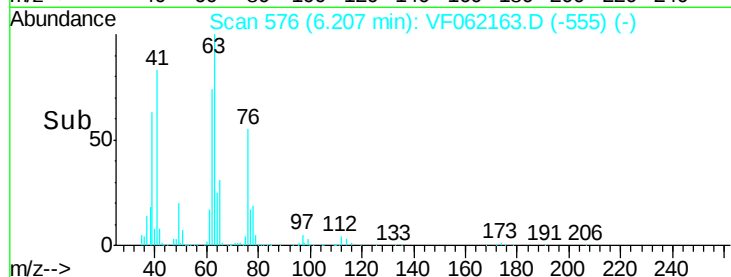
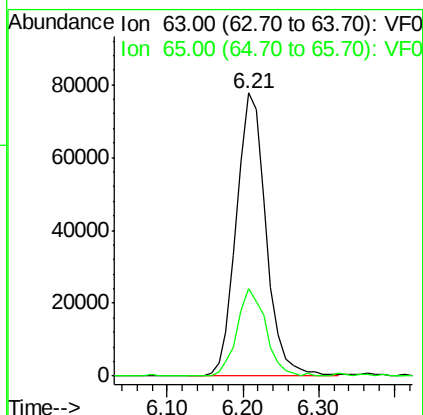
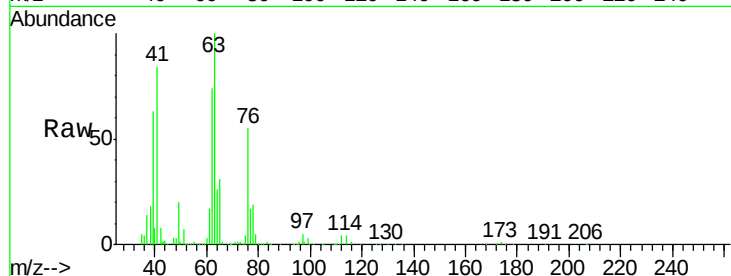
VSTDIC100

Tgt 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

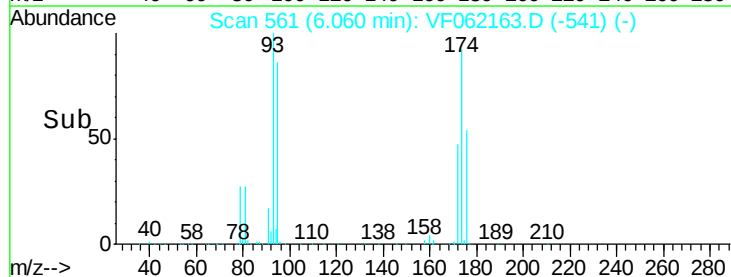
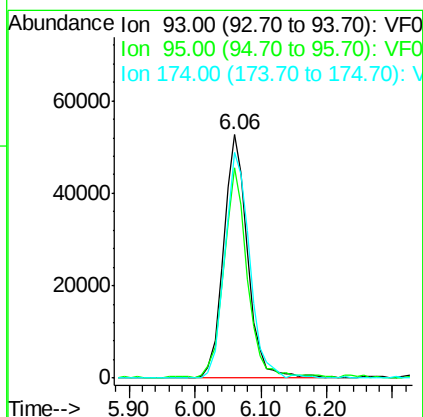
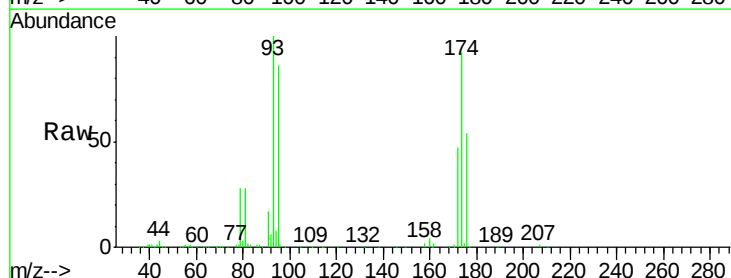
Tgt Ion: 93 Resp: 134984

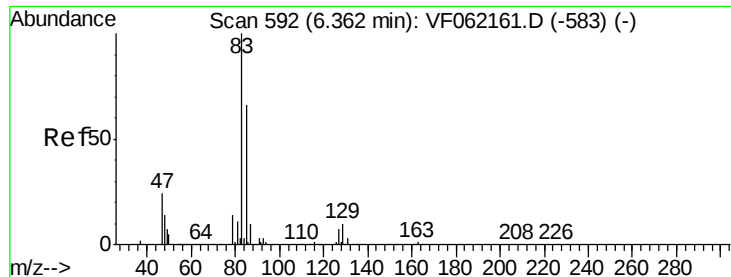
Ion Ratio Lower Upper

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

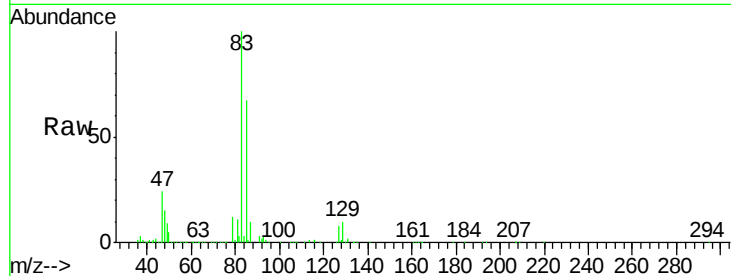
Tgt Ion: 83 Resp: 361142

Ion Ratio Lower Upper

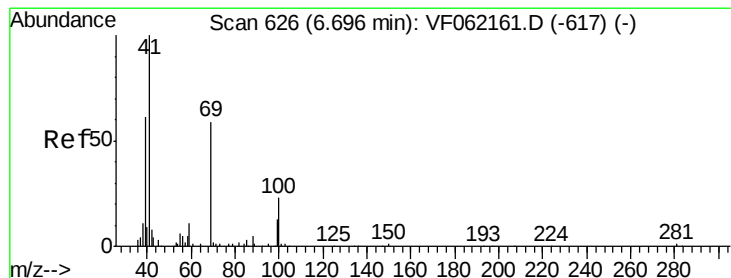
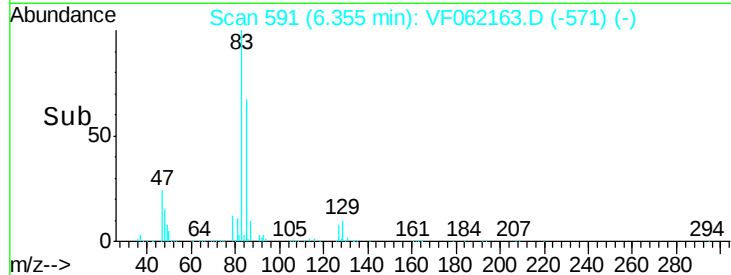
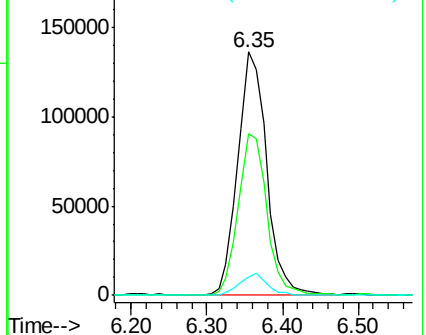
83 100

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

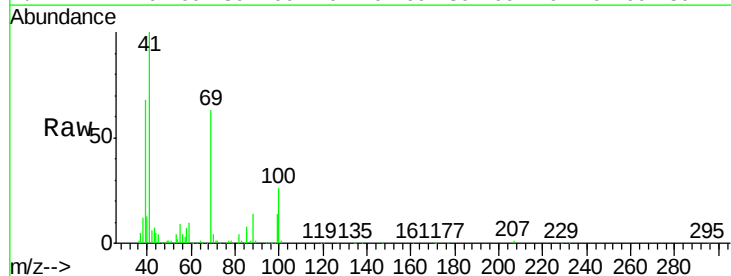
Tgt Ion: 41 Resp: 139656

Ion Ratio Lower Upper

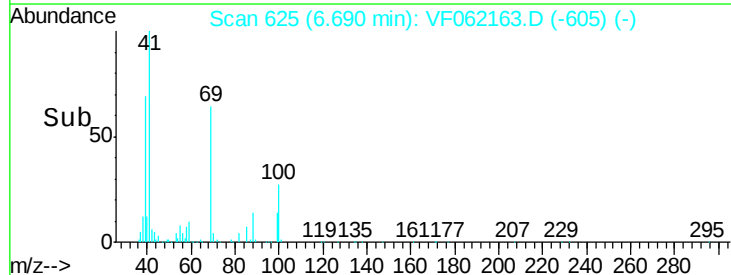
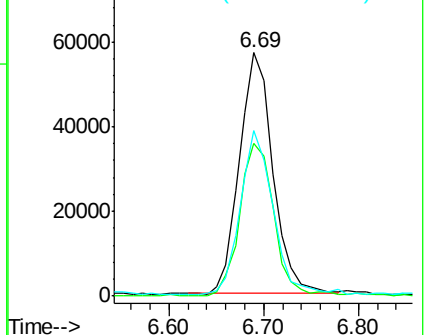
41 100

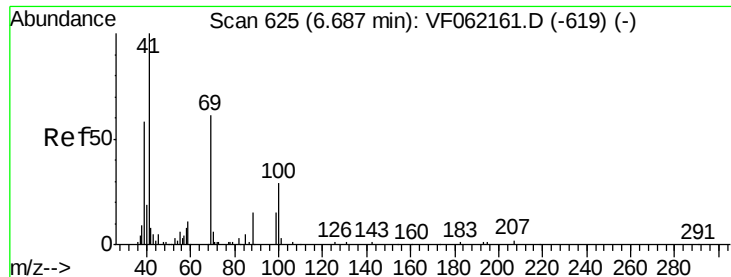
69 62.9 46.7 70.1

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

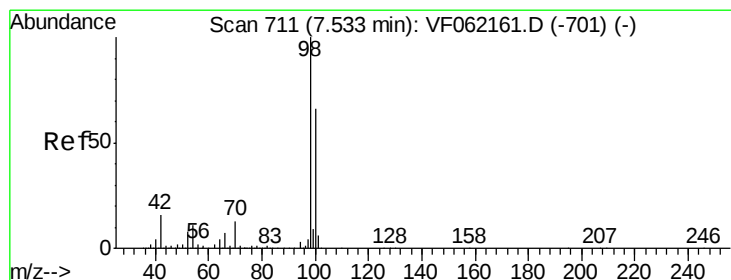
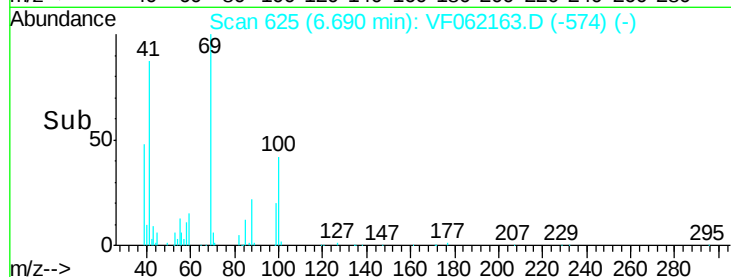
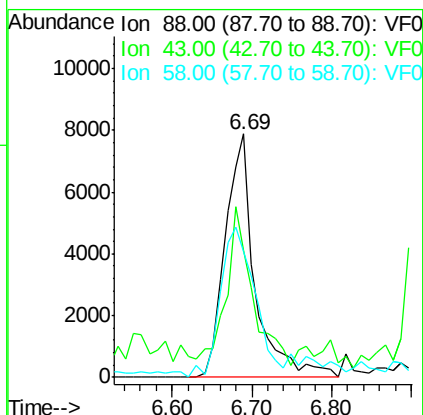
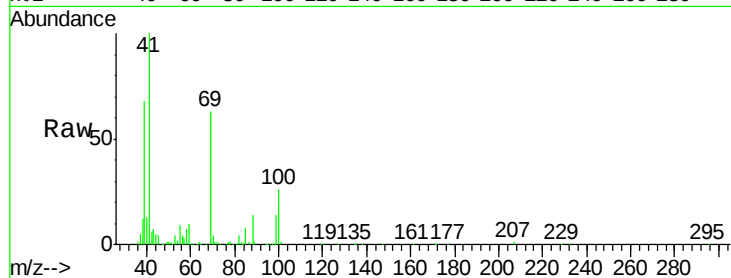




#49
 1,4-Dioxane
 Concen: 2533.014 ug/l
 RT: 6.69 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

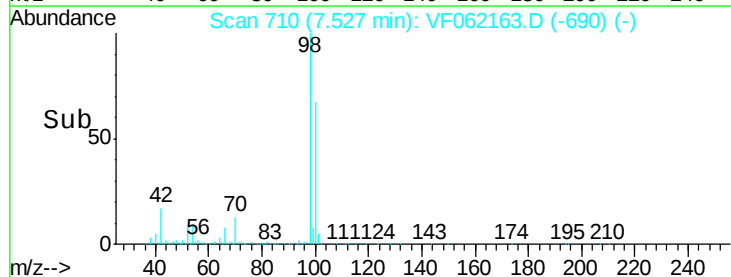
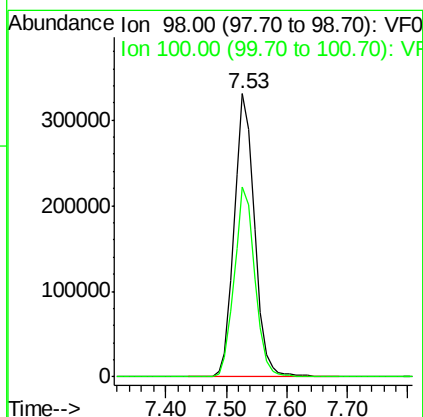
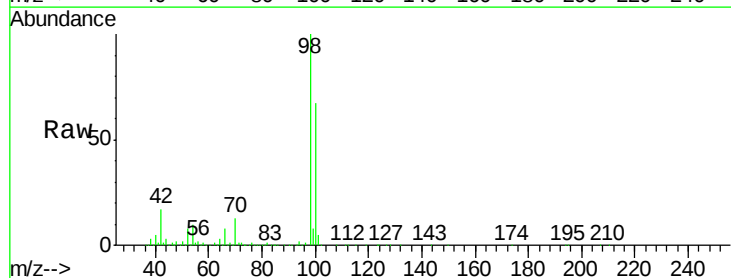
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

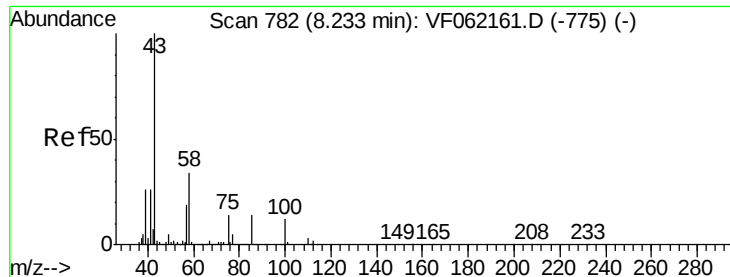
Tgt Ion: 88 Resp: 20726
 Ion Ratio Lower Upper
 88 100
 43 52.2 51.0 76.6
 58 51.6 41.3 61.9



#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 :

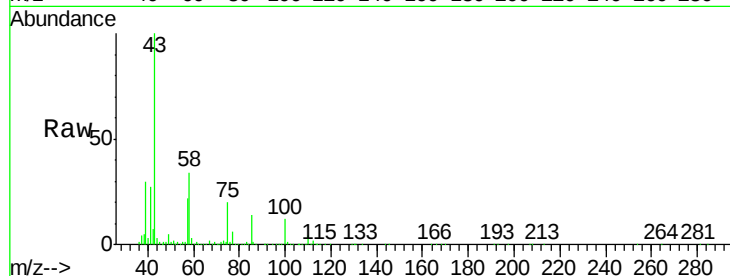
VSTDIC100

Tgt Ion: 43 Resp: 690454

Ion Ratio Lower Upper

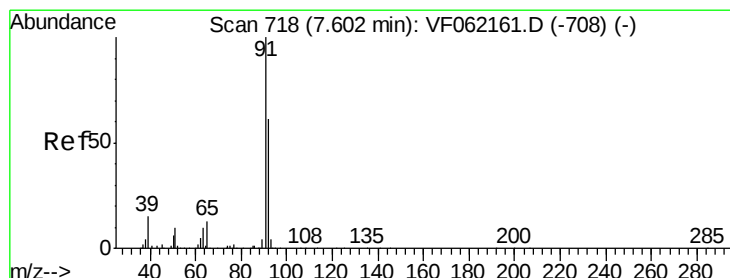
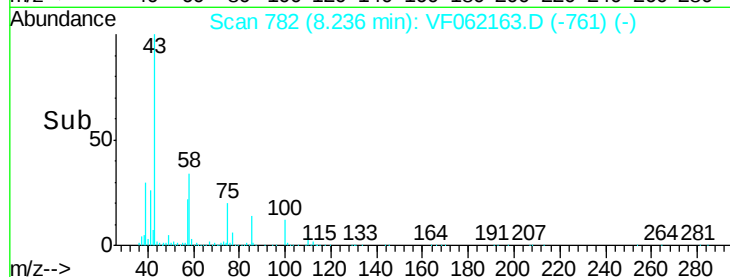
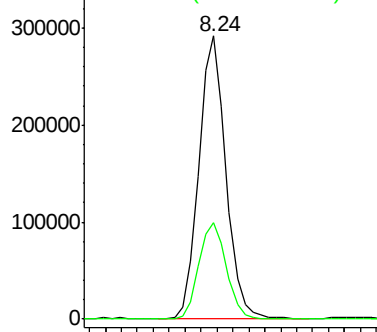
43 100

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



#52

Toluene

Concen: 112.860 ug/l

RT: 7.61 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF062163.D

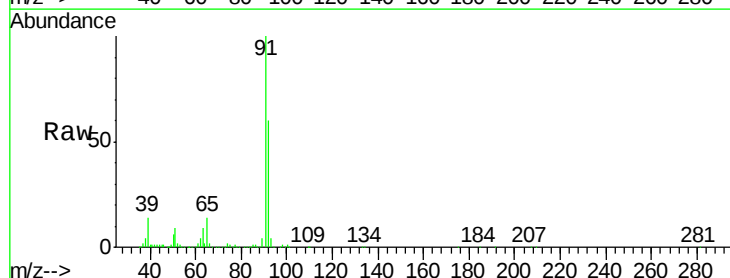
Acq: 4 Apr 2019 18:04

Tgt Ion: 92 Resp: 559434

Ion Ratio Lower Upper

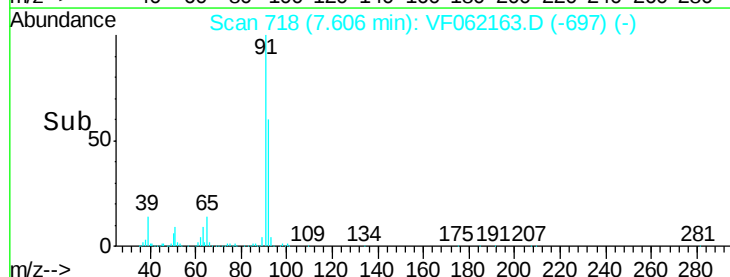
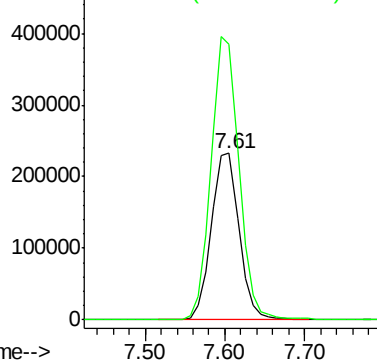
92 100

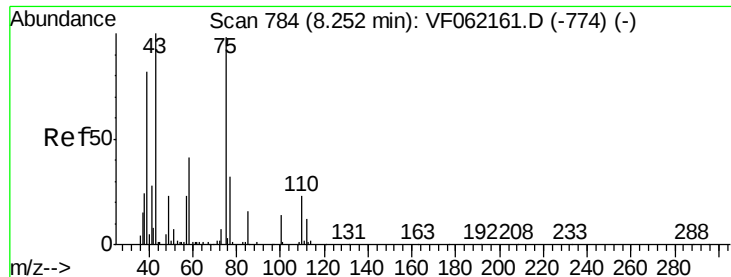
91 165.9 130.8 196.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

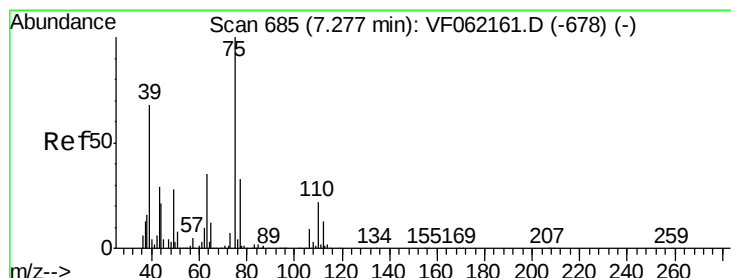
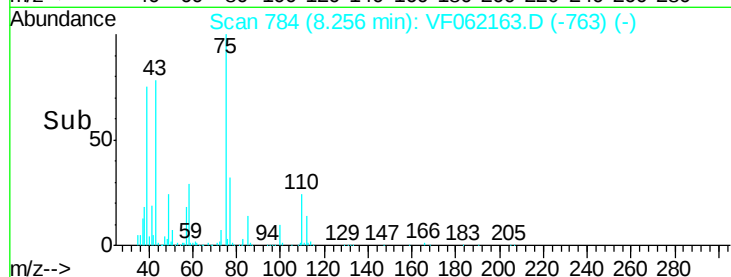
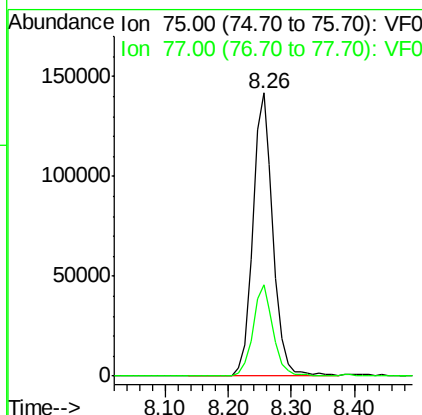
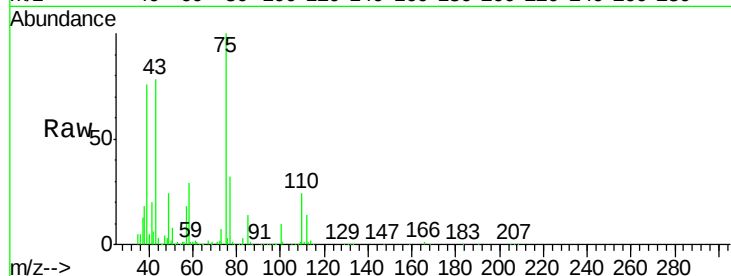




#53
 t-1,3-Dichloropropene
 Concen: 139.779 ug/l
 RT: 8.26 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

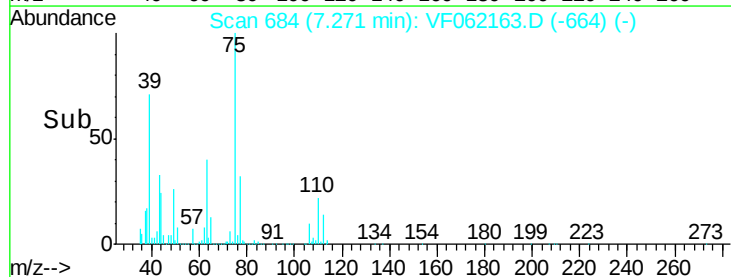
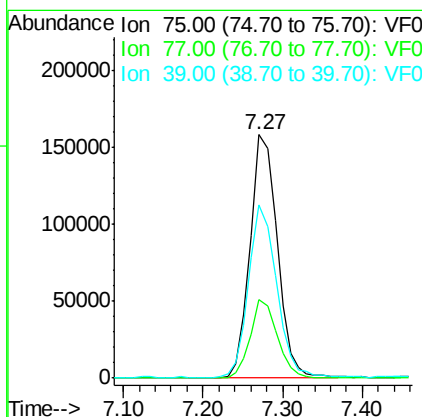
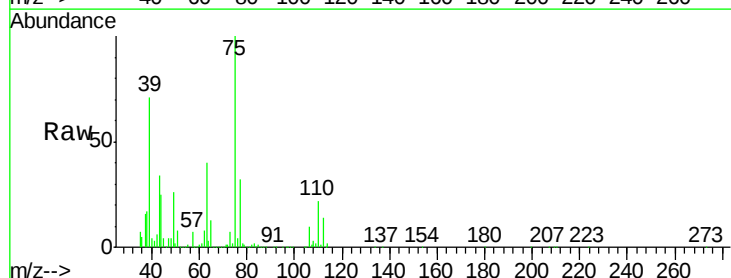
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

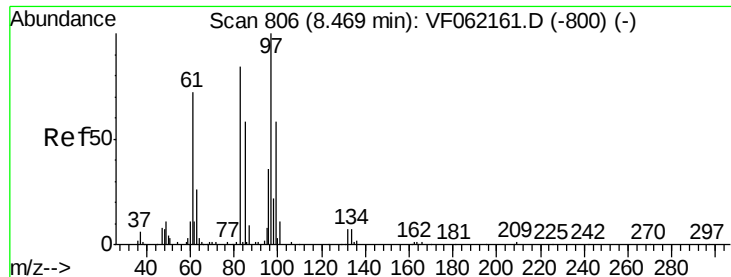
Tgt Ion: 75 Resp: 316319
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.6 39.8



#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

Tgt Ion: 97 Resp: 153714

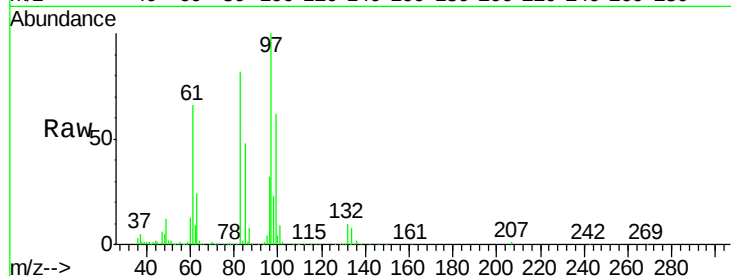
Ion Ratio Lower Upper

97 100

83 81.5 67.4 101.0

85 47.7 46.6 70.0

99 62.3 46.5 69.7

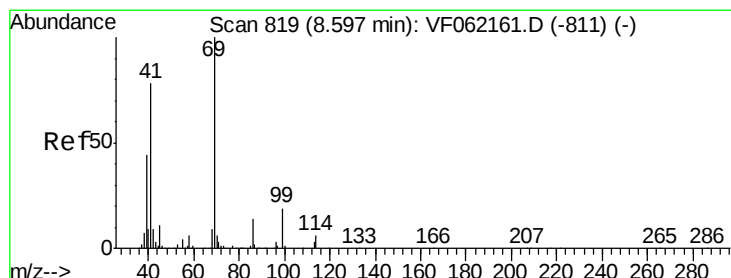
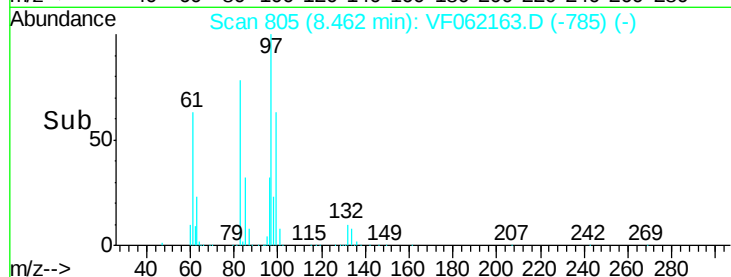
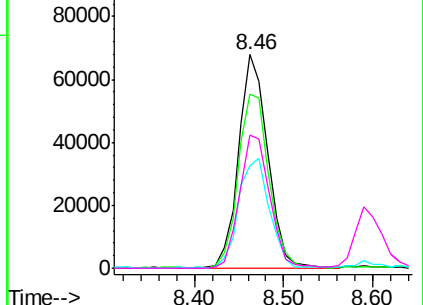


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

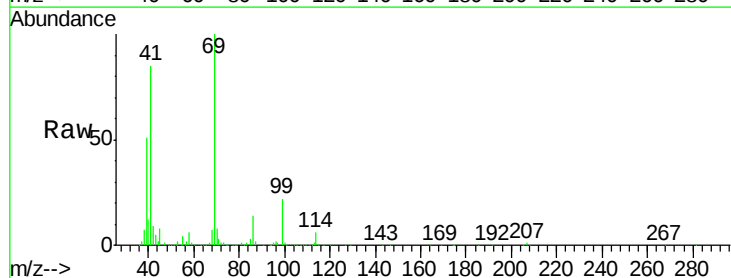
Tgt Ion: 69 Resp: 190452

Ion Ratio Lower Upper

69 100

41 84.6 63.0 94.4

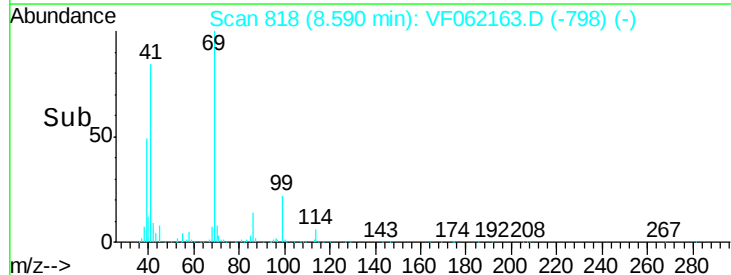
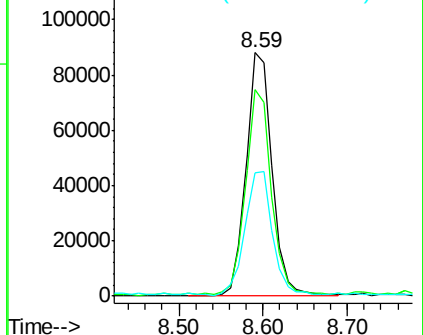
39 50.6 36.1 54.1

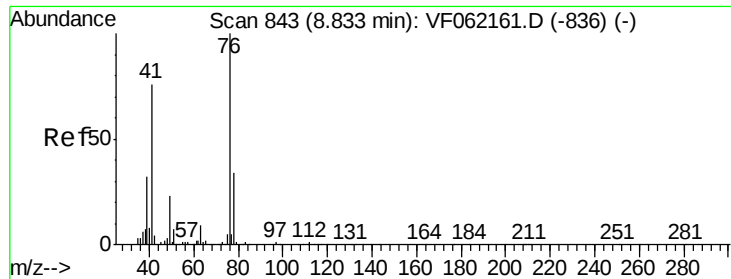


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

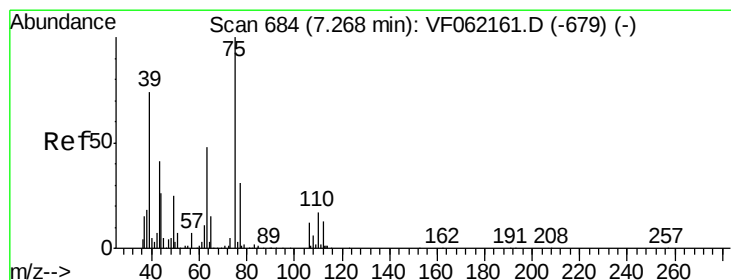
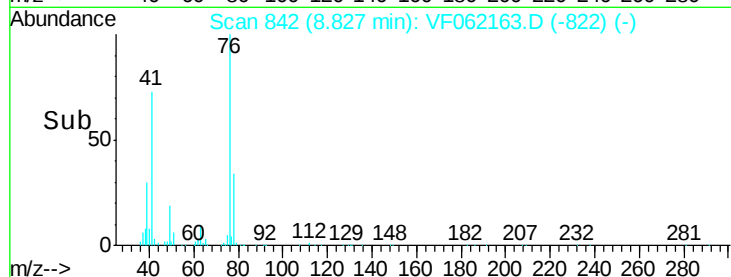
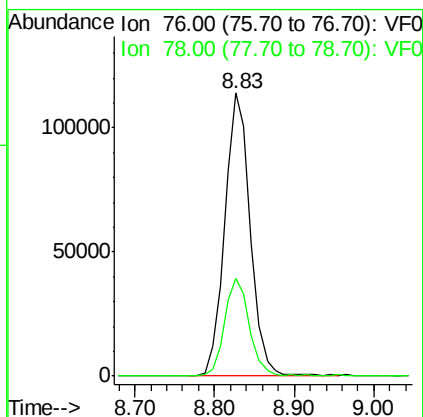
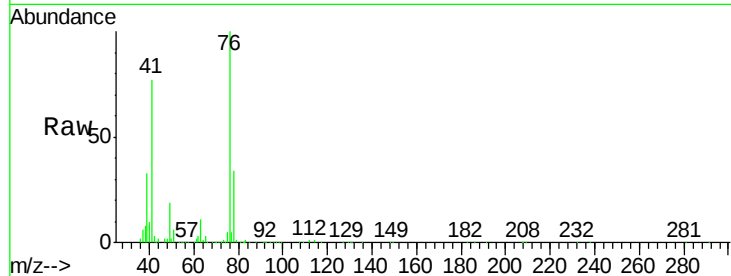
VSTDIC100

Tgt 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

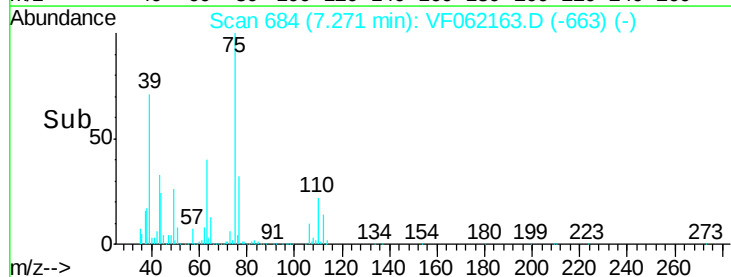
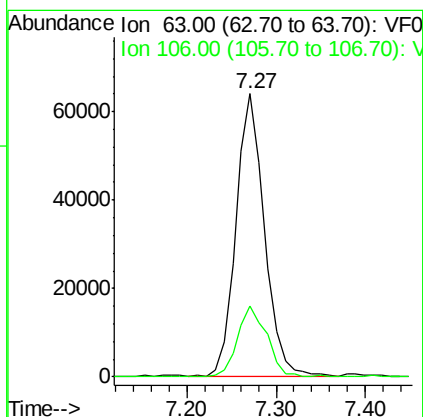
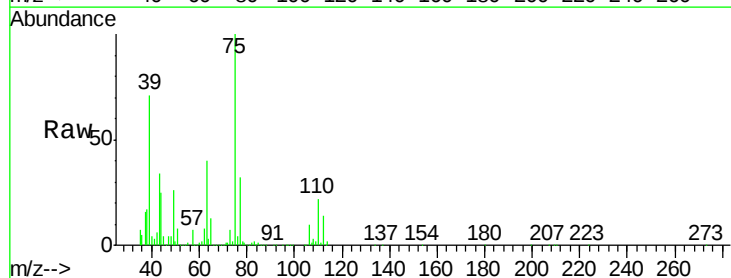
Acq: 4 Apr 2019 18:04

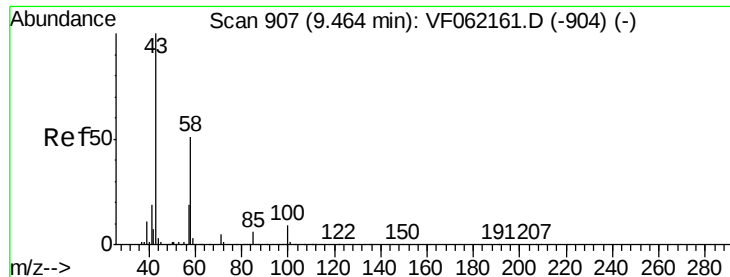
Tgt Ion: 63 Resp: 141671

Ion Ratio Lower Upper

63 100

106 25.1 20.6 31.0

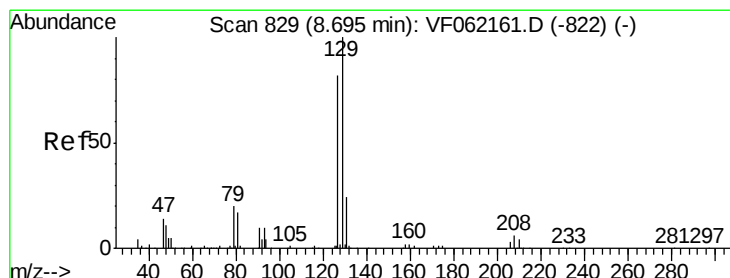
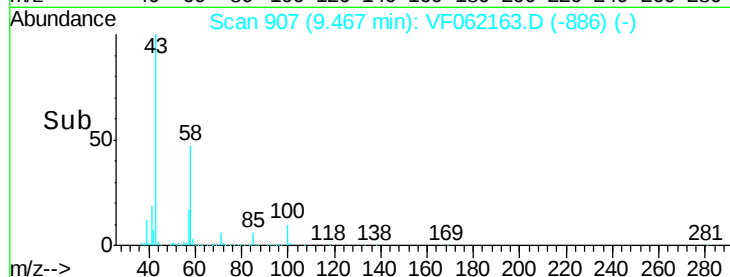
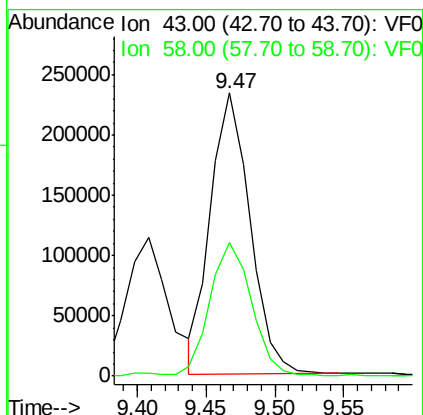
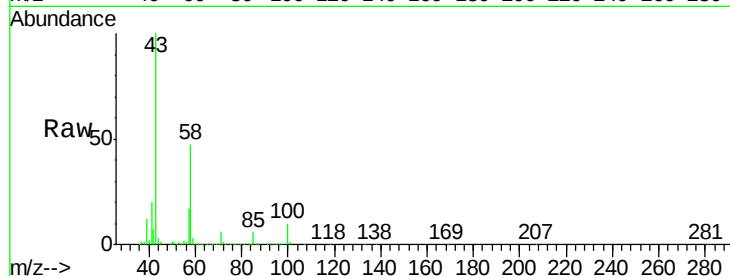




#59
2-Hexanone
Concen: 557.089 ug/l
RT: 9.47 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

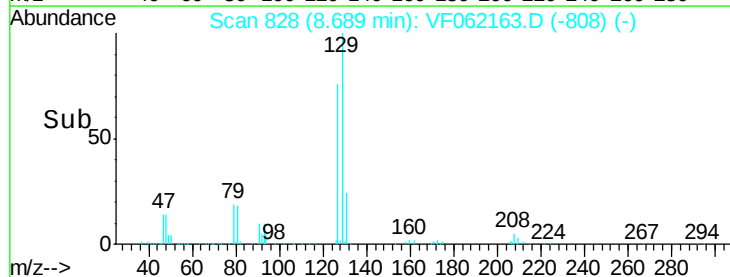
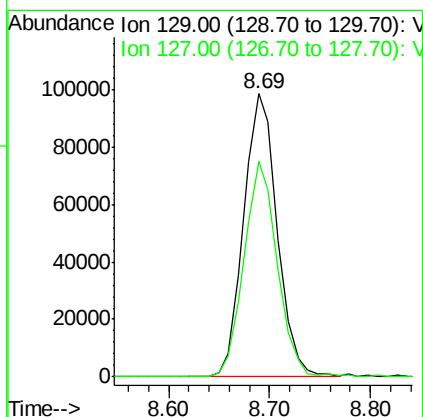
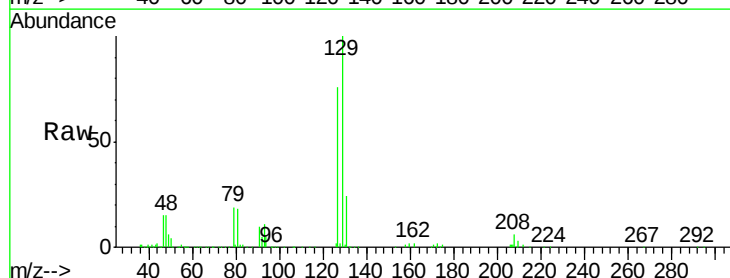
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

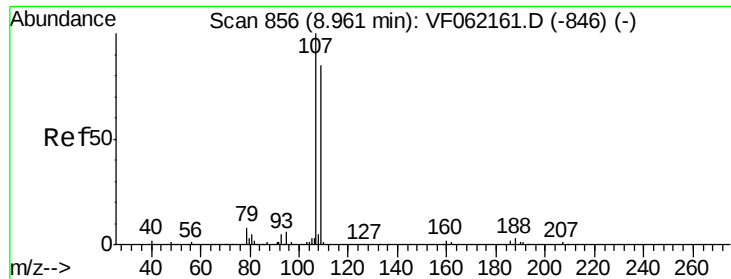
Tgt Ion: 43 Resp: 466522
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9



#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 :

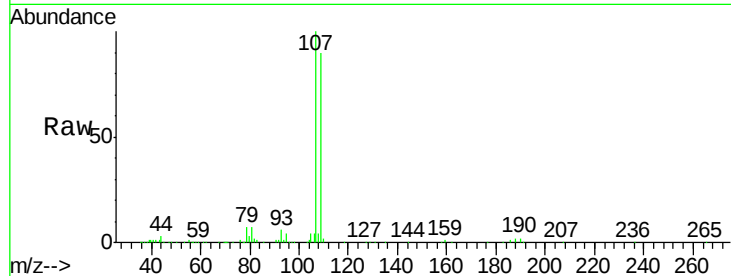
VSTDIC100

Tgt Ion:107 Resp: 166053

Ion Ratio Lower Upper

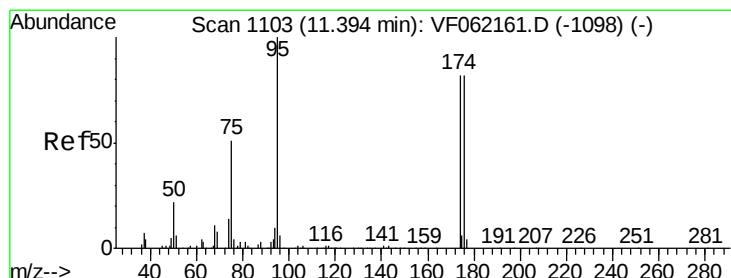
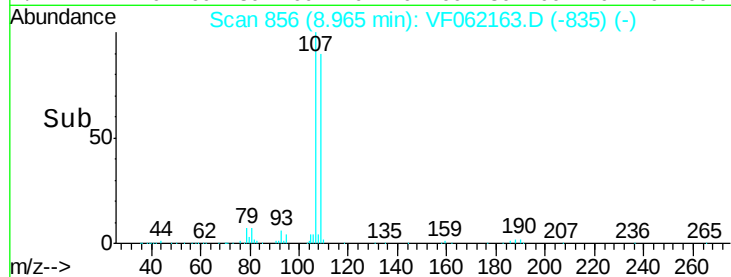
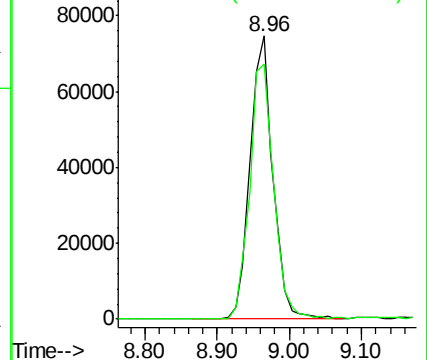
107 100

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

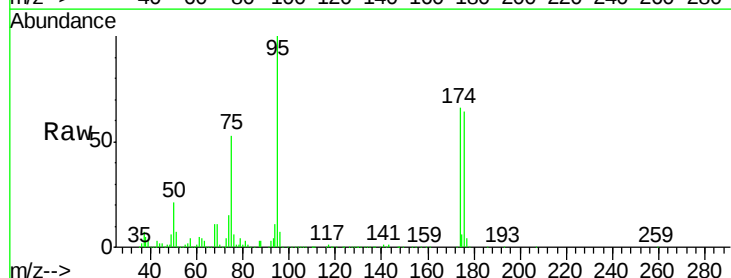
Tgt Ion: 95 Resp: 307740

Ion Ratio Lower Upper

95 100

174 65.6 0.0 164.8

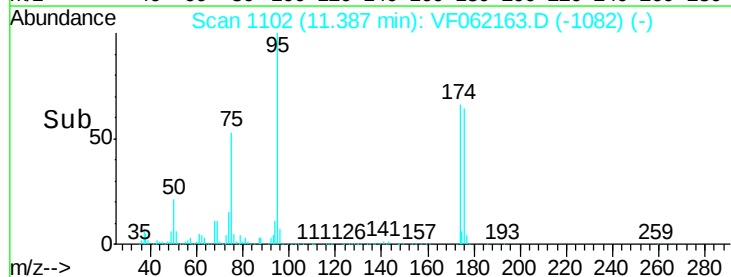
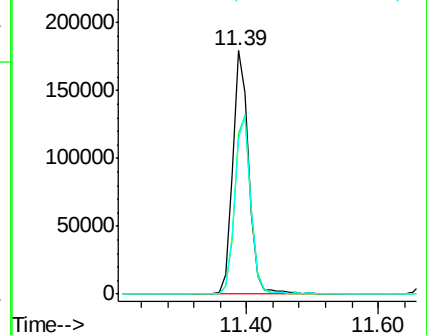
176 64.0 0.0 164.6

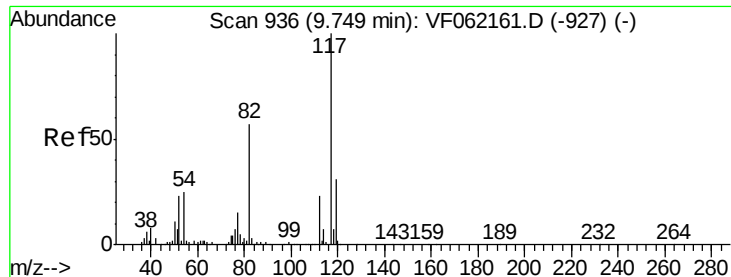


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

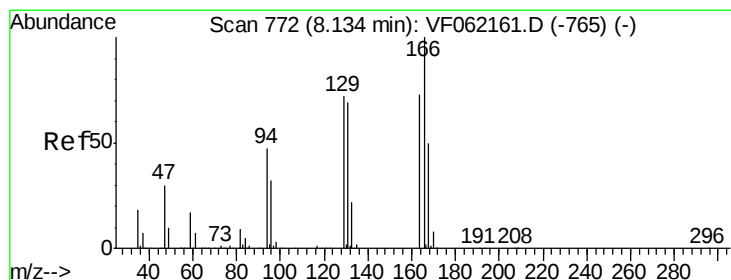
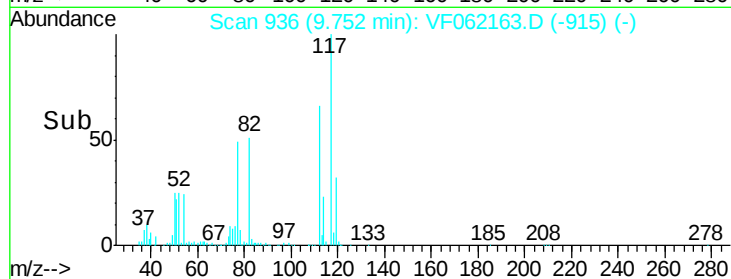
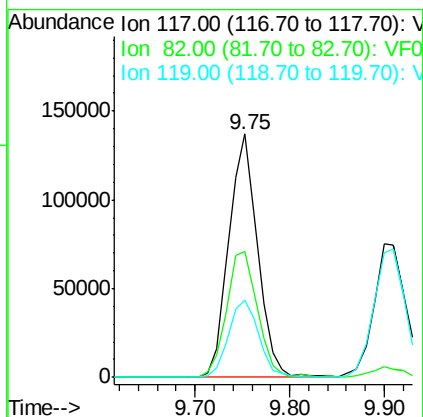
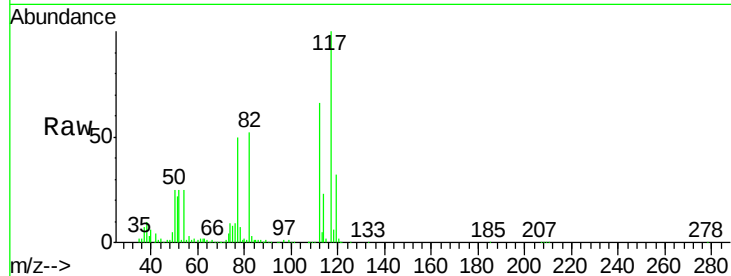




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

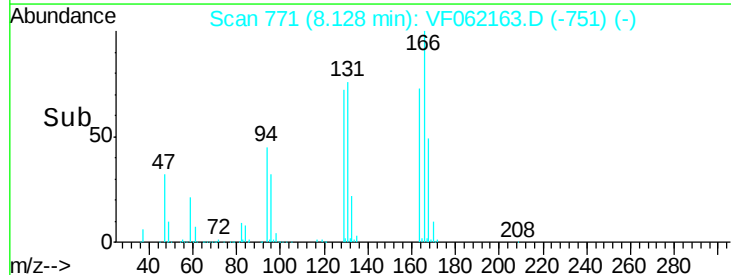
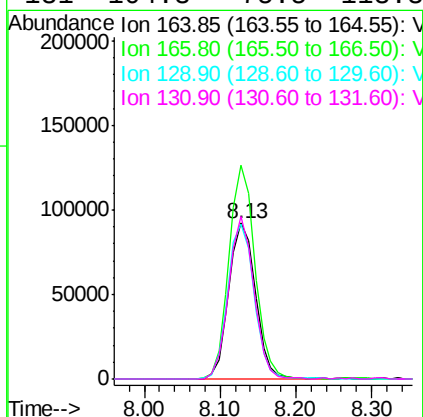
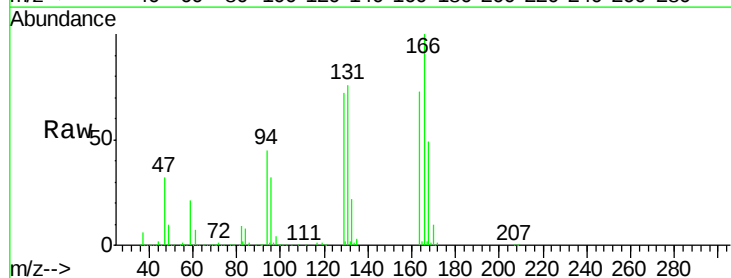
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

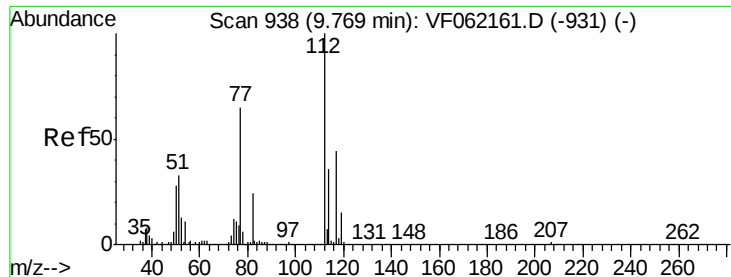
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	45.5	68.3
119	31.8	24.9	37.3



#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	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 :

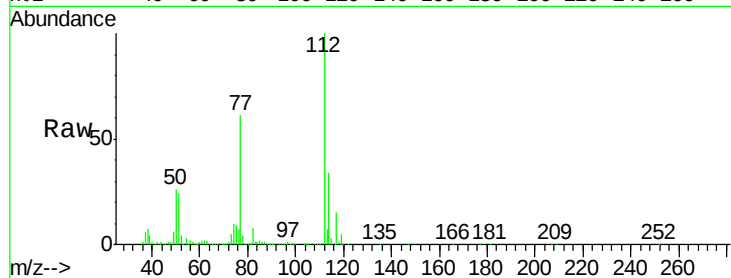
VSTDIC100

Tgt Ion:112 Resp: 581170

Ion Ratio Lower Upper

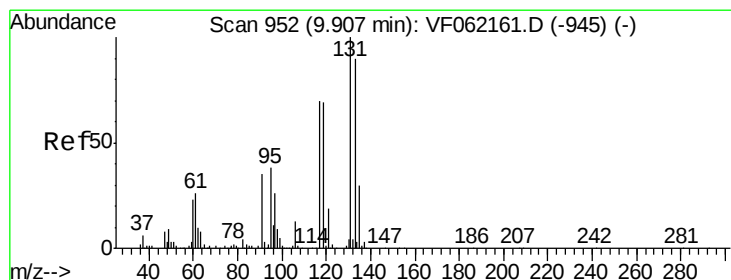
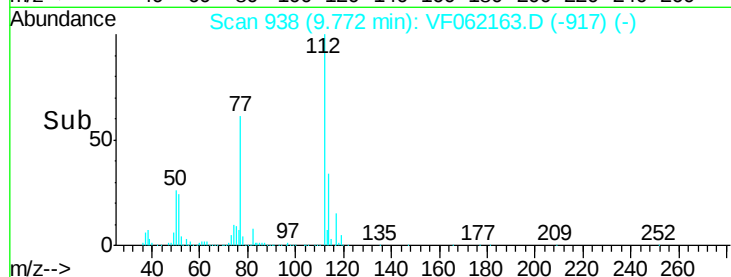
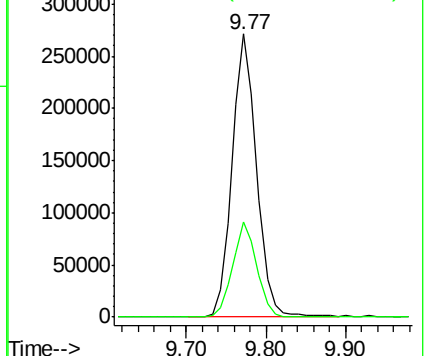
112 100

114 33.7 28.6 43.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 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

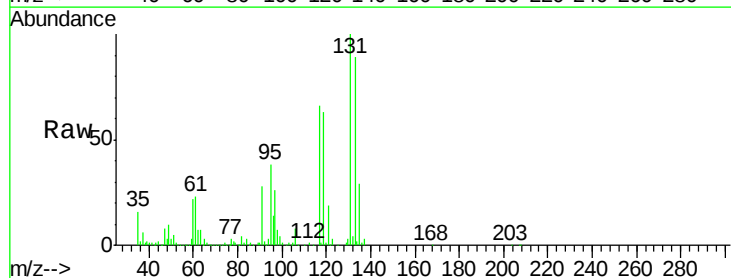
Tgt Ion:131 Resp: 252842

Ion Ratio Lower Upper

131 100

133 89.2 45.1 135.3

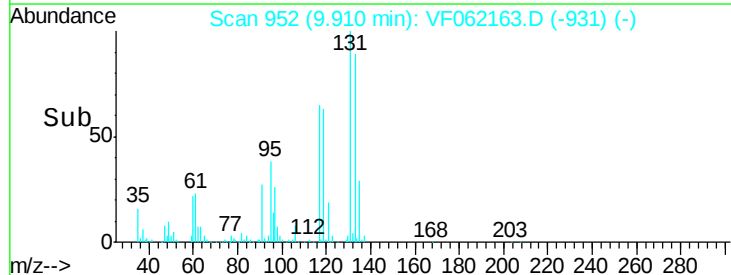
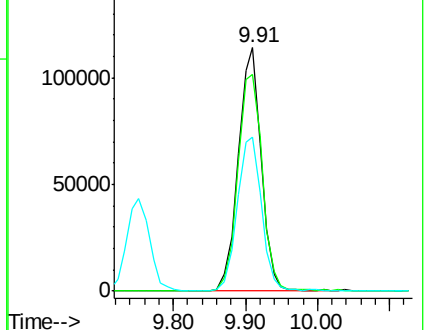
119 63.4 34.9 104.7

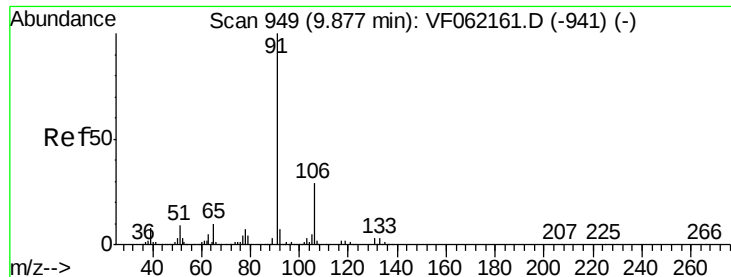


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 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 :

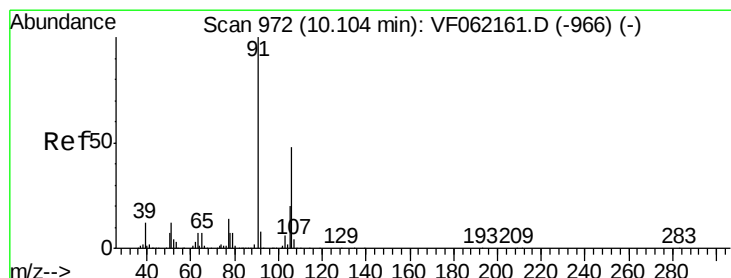
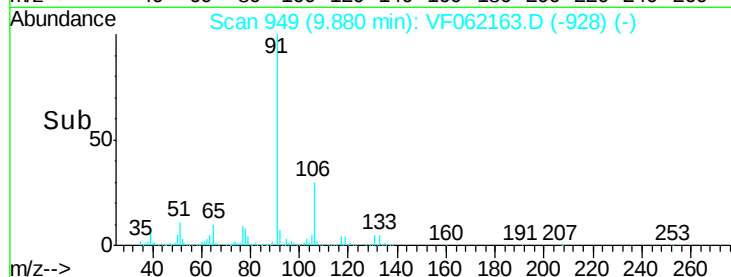
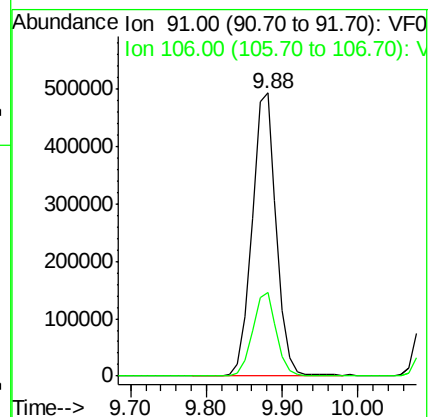
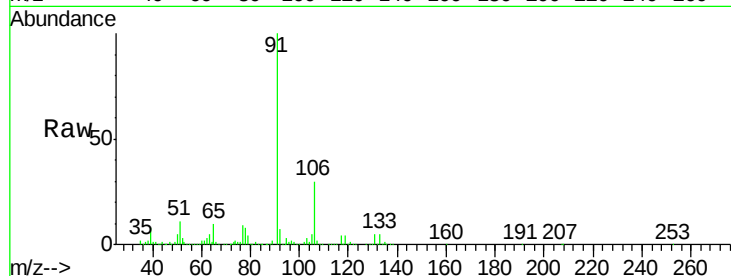
VSTDIC100

Tgt 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

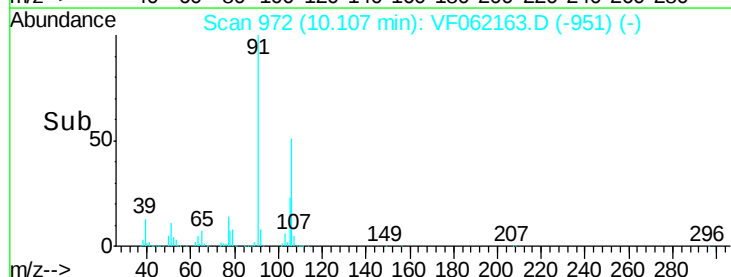
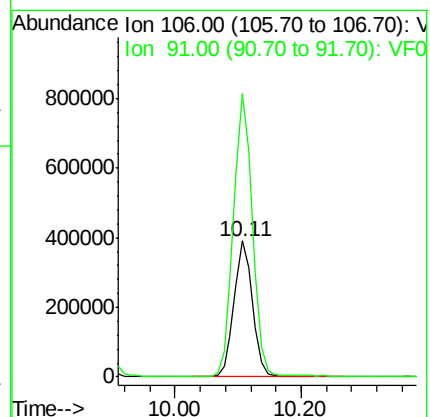
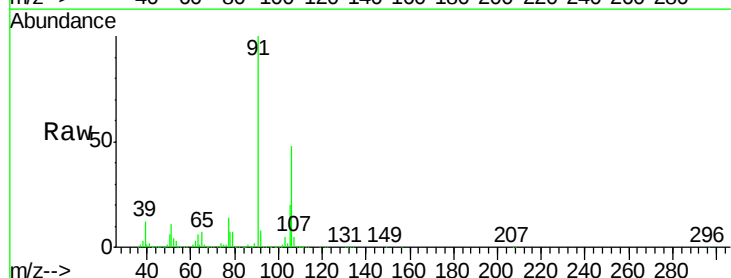
Acq: 4 Apr 2019 18:04

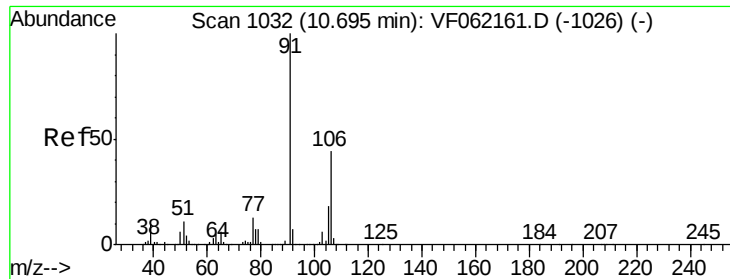
Tgt Ion:106 Resp: 789030

Ion Ratio Lower Upper

106 100

91 208.0 167.3 250.9

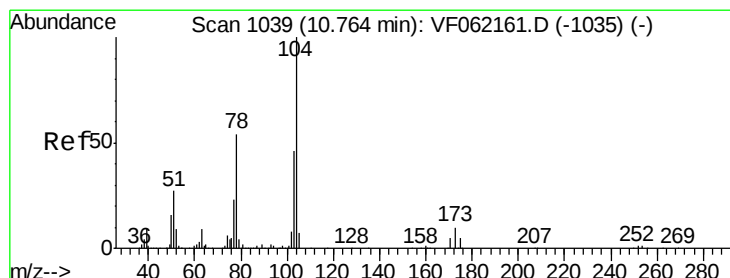
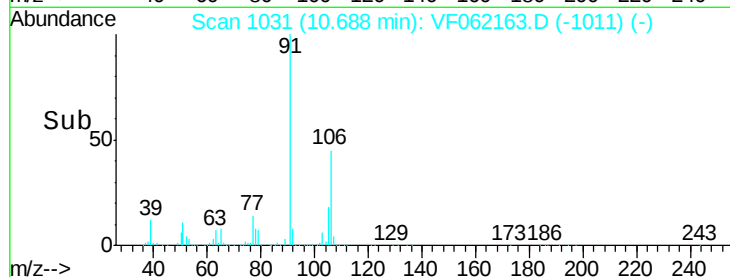
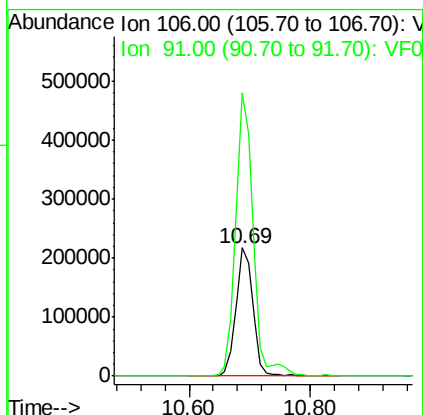
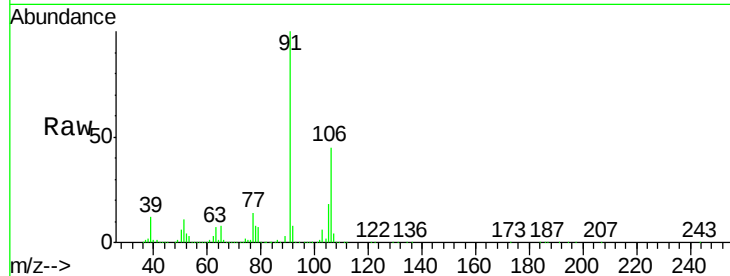




#69
o-Xylene
Concen: 115.080 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

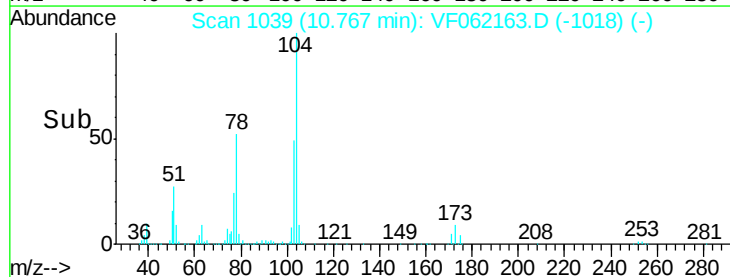
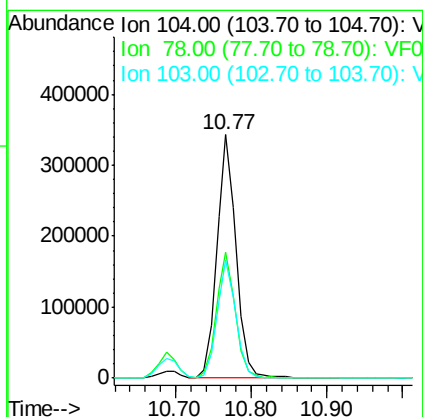
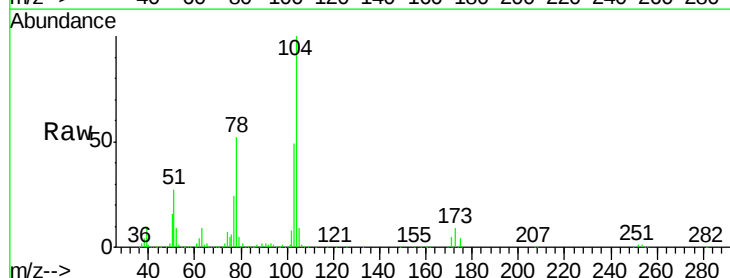
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

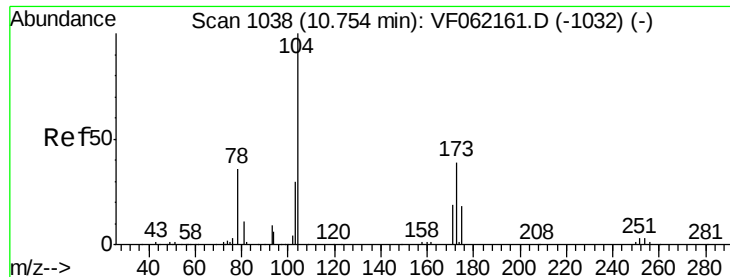
Tgt Ion:106 Resp: 426218
Ion Ratio Lower Upper
106 100
91 220.7 113.3 340.1



#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

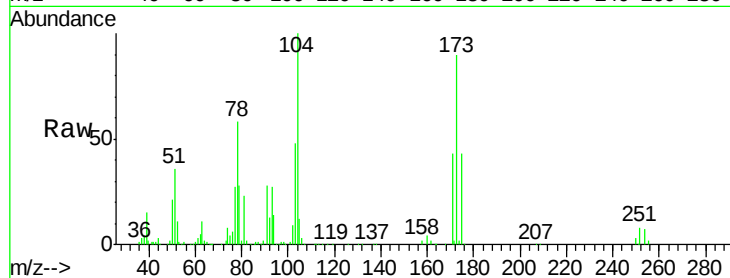
Tgt Ion:173 Resp: 131212

Ion Ratio Lower Upper

173 100

175 48.2 22.9 68.7

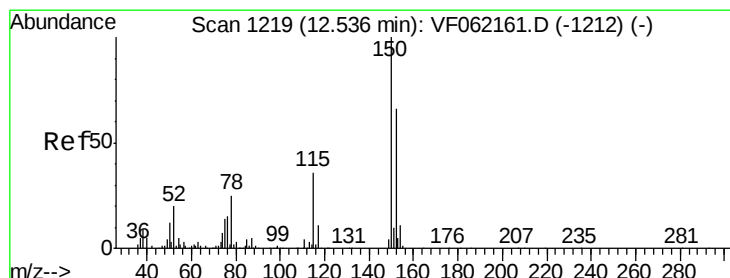
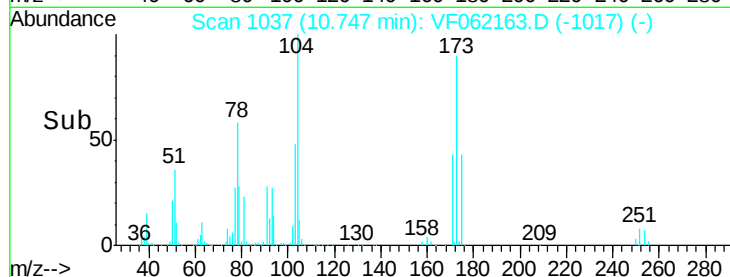
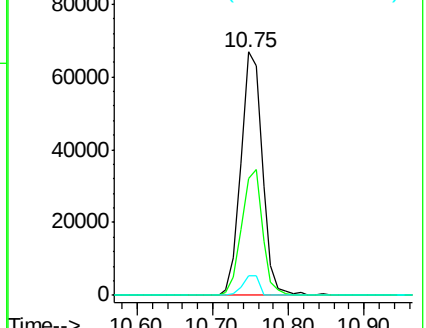
254 8.0 6.7 10.1



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062163.D

Acq: 4 Apr 2019 18:04

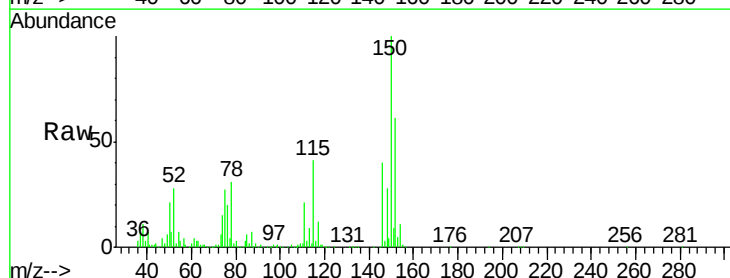
Tgt Ion:152 Resp: 127344

Ion Ratio Lower Upper

152 100

115 66.5 28.3 84.9

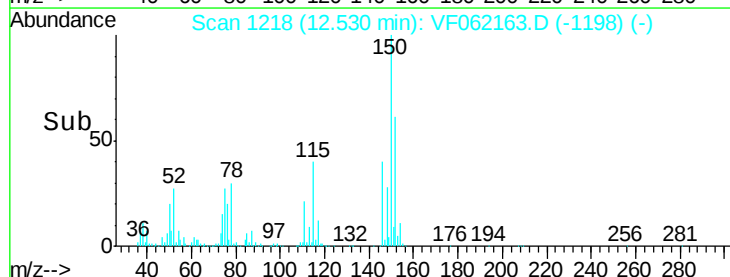
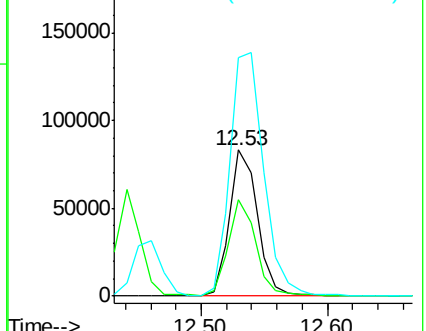
150 163.7 0.0 322.6

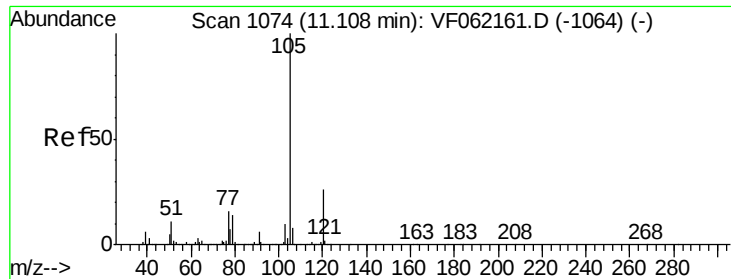


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 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 :

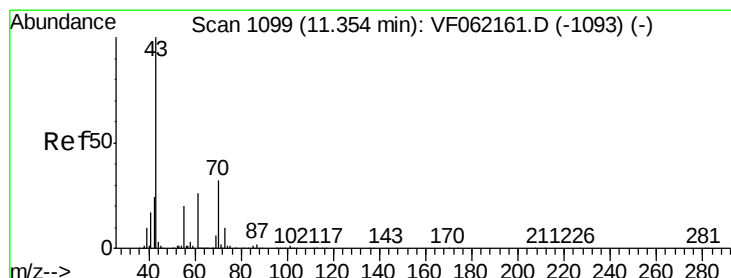
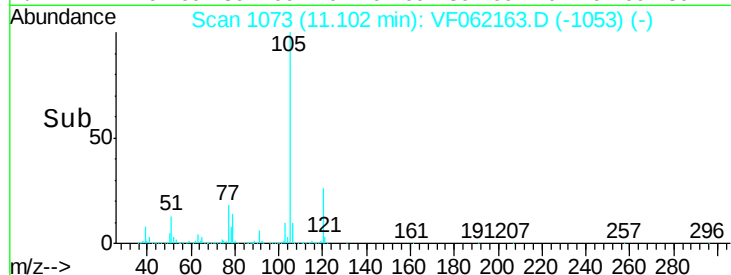
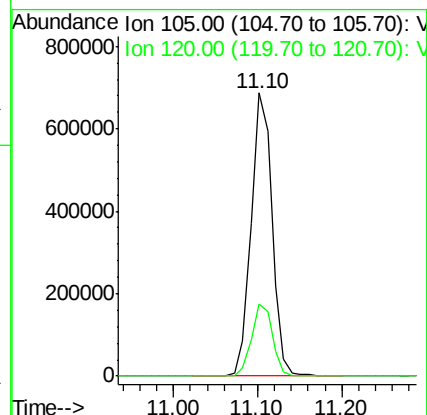
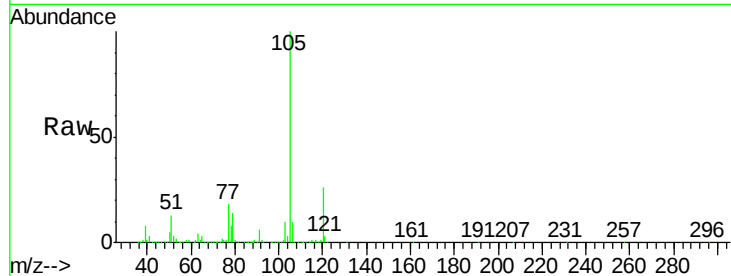
VSTDIC100

Tgt 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

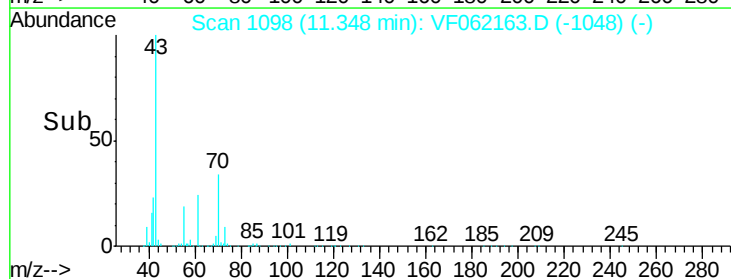
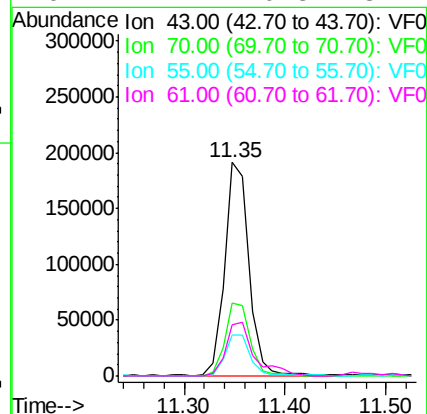
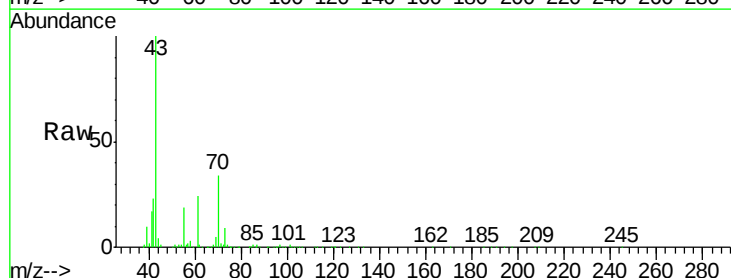
Ion Ratio Lower Upper

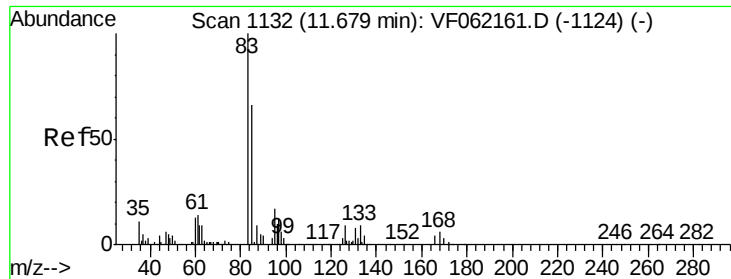
43 100

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

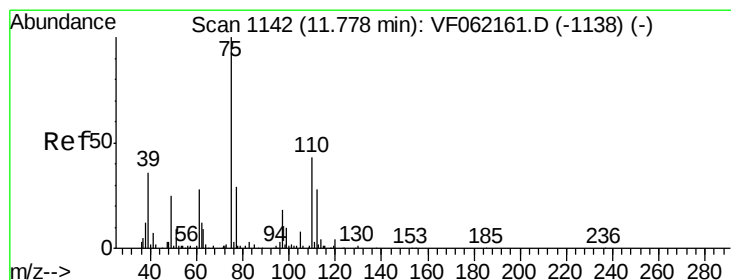
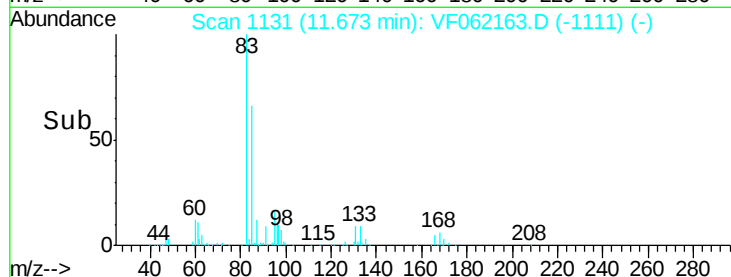
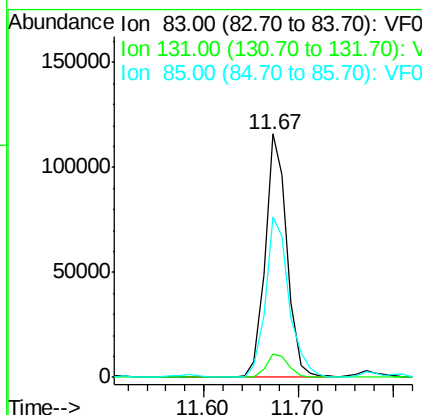
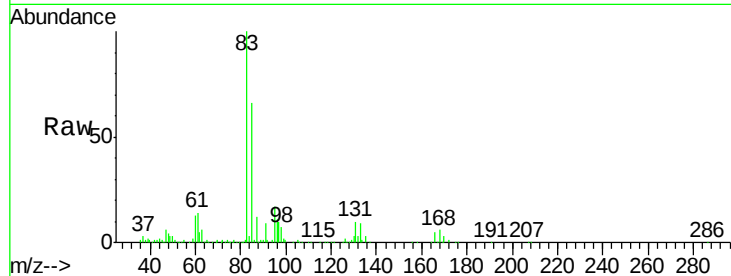
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	186477
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.3	12.8
85	65.9	33.1	99.2



#76

1,2,3-Trichloropropane

Concen: 130.851 ug/l

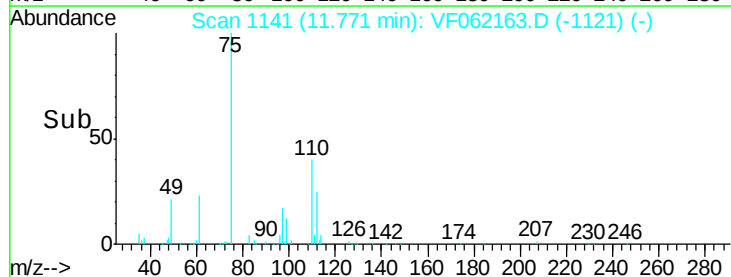
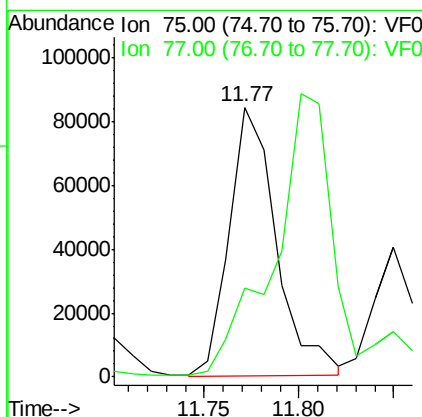
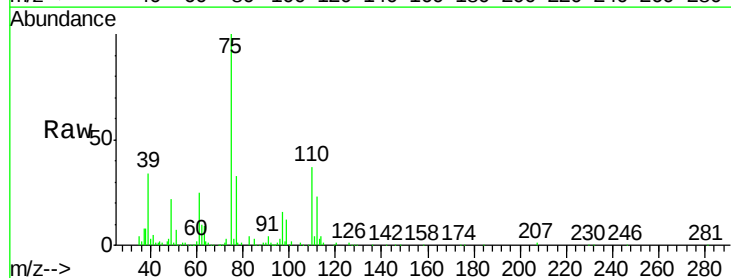
RT: 11.77 min Scan# 1141

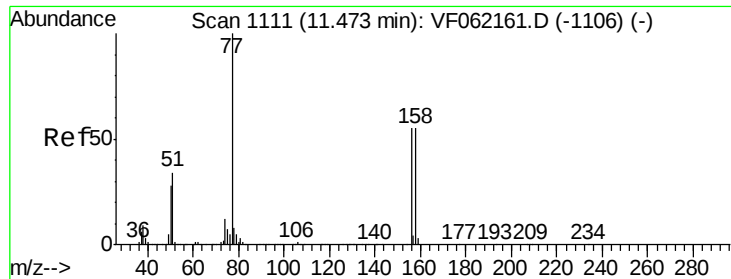
Delta R.T. -0.01 min

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





#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

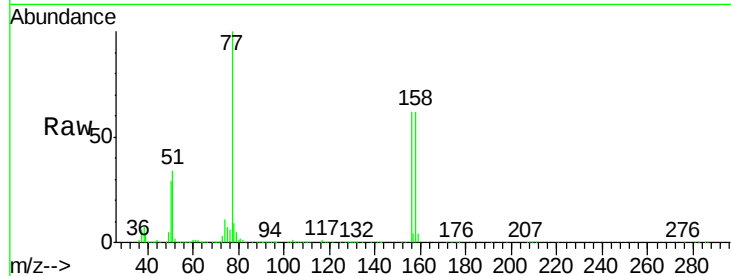
Tgt Ion: 156 Resp: 250319

Ion Ratio Lower Upper

156 100

77 161.0 91.0 272.8

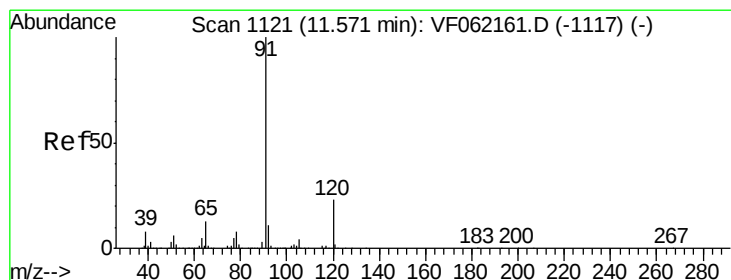
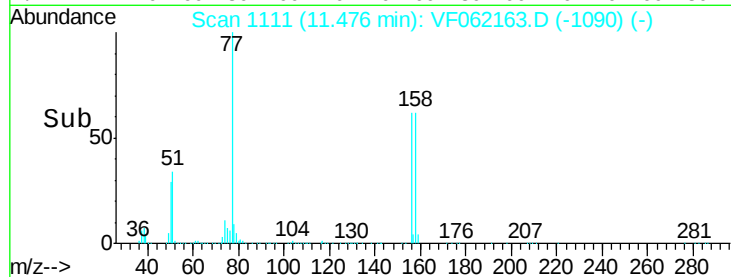
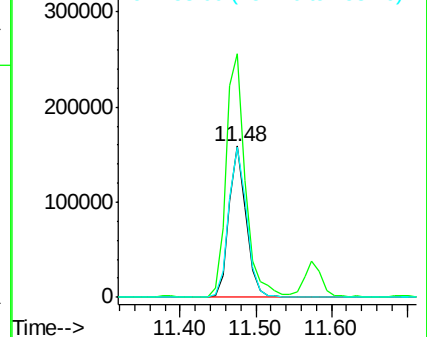
158 99.7 49.7 149.1



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

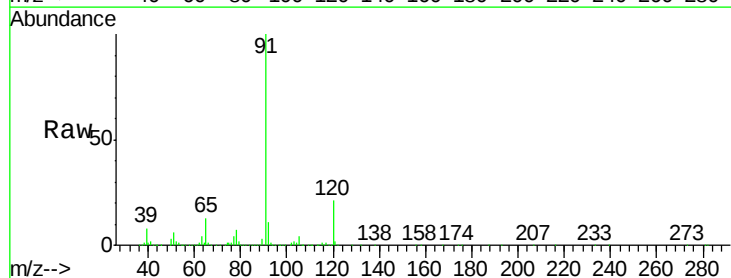
Acq: 4 Apr 2019 18:04

Tgt Ion: 91 Resp: 1360114

Ion Ratio Lower Upper

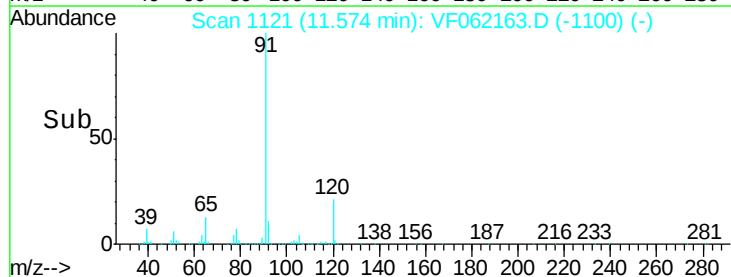
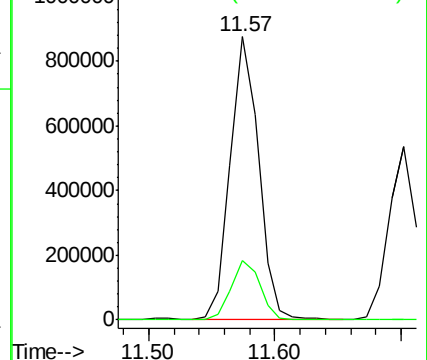
91 100

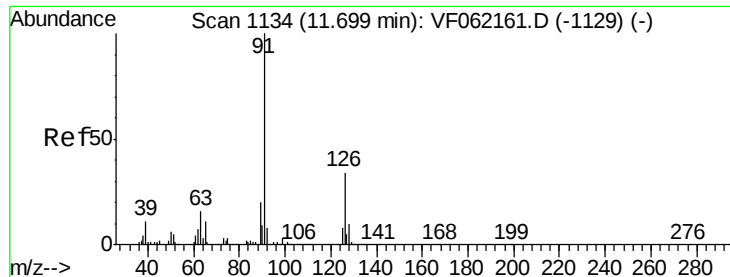
120 21.1 11.4 34.2



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 :

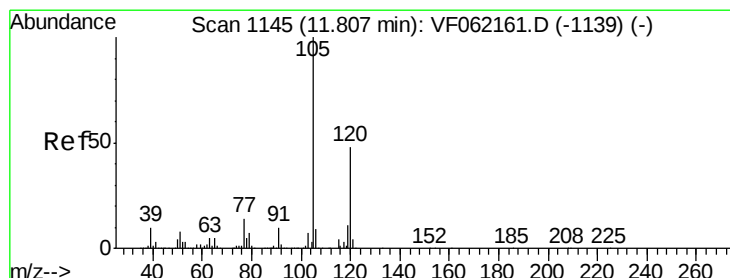
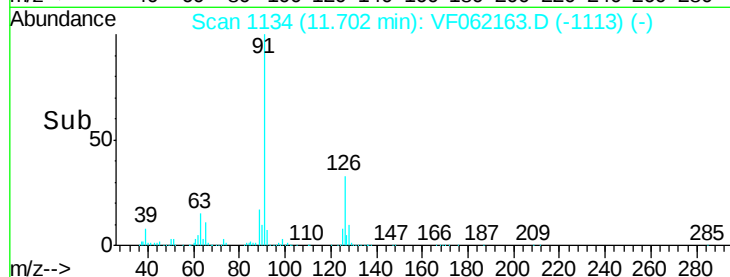
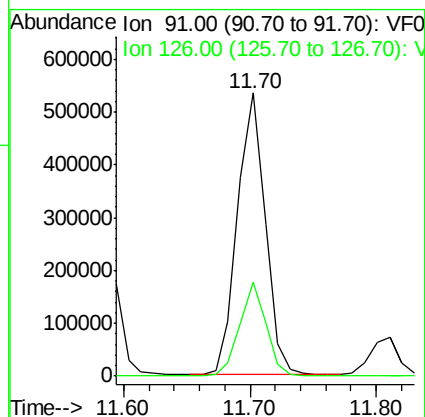
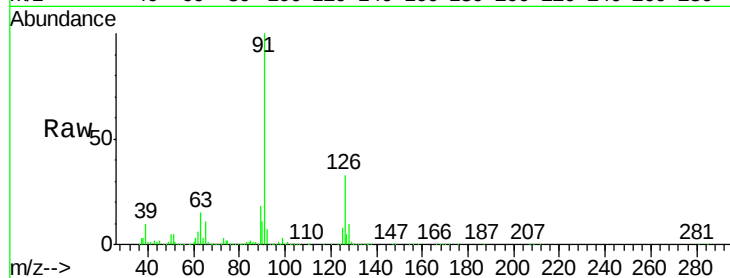
VSTDIC100

Tgt 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

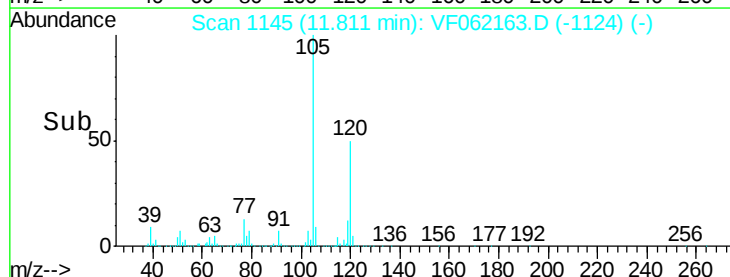
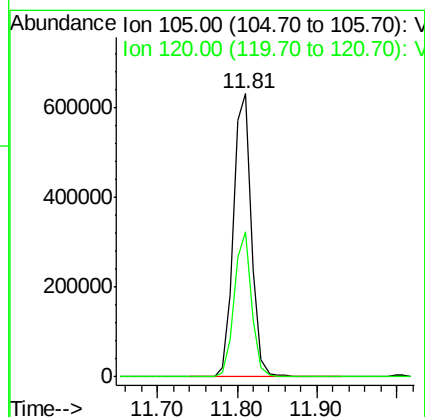
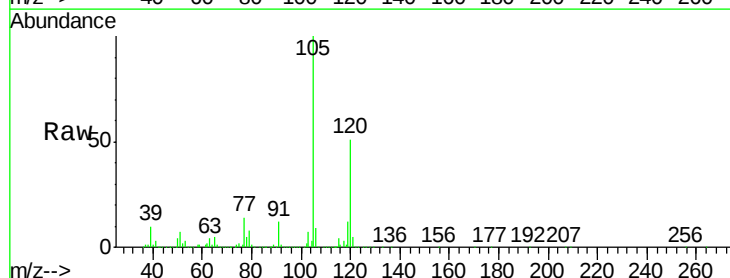
Acq: 4 Apr 2019 18:04

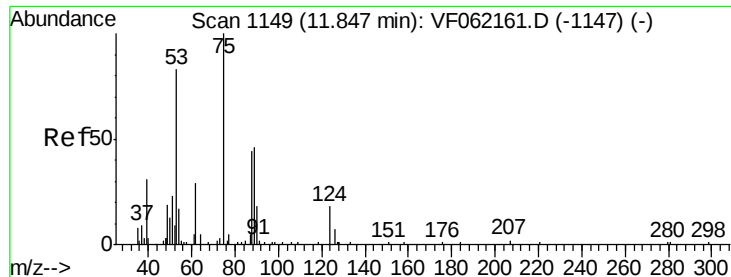
Tgt Ion:105 Resp: 1005608

Ion Ratio Lower Upper

105 100

120 51.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 181.752 ug/l

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

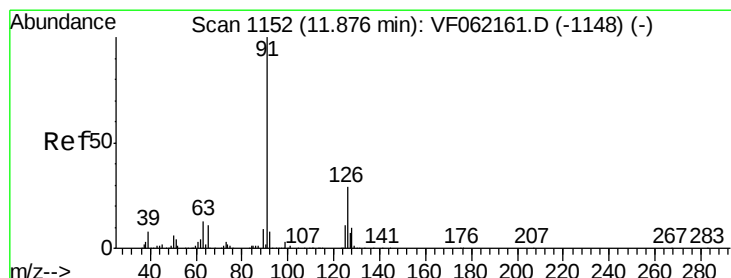
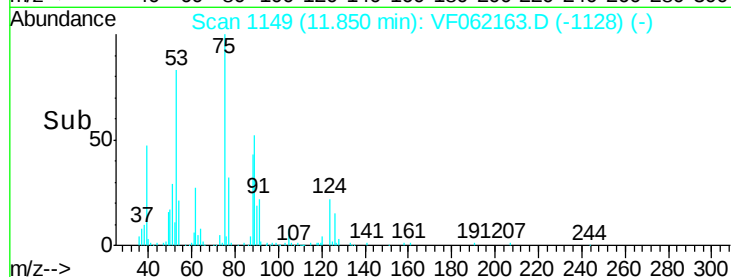
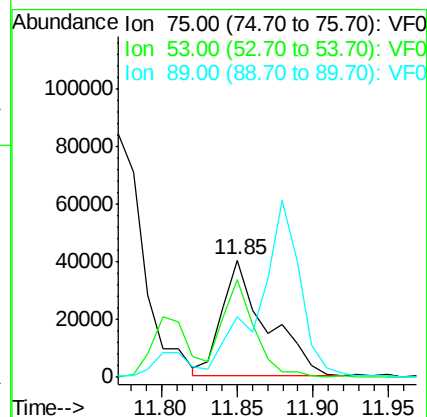
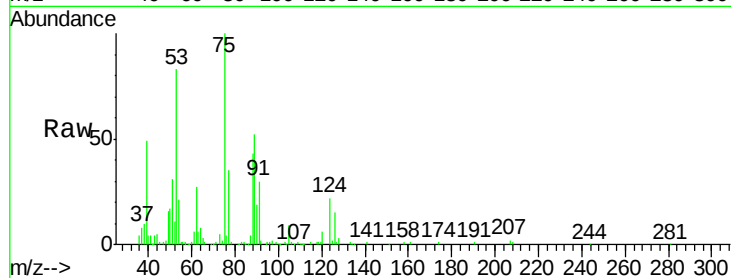
Tgt Ion: 75 Resp: 83042

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

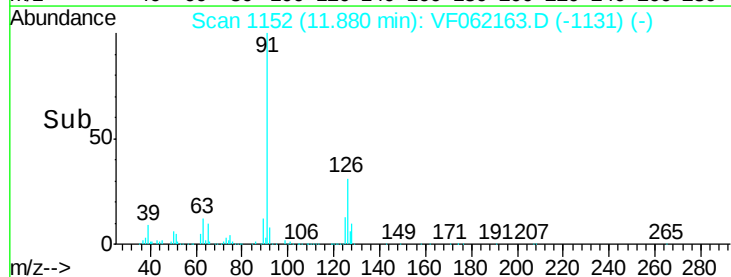
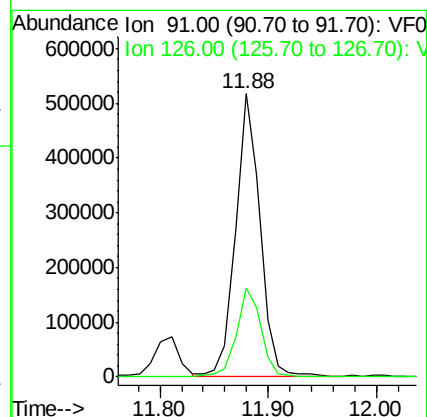
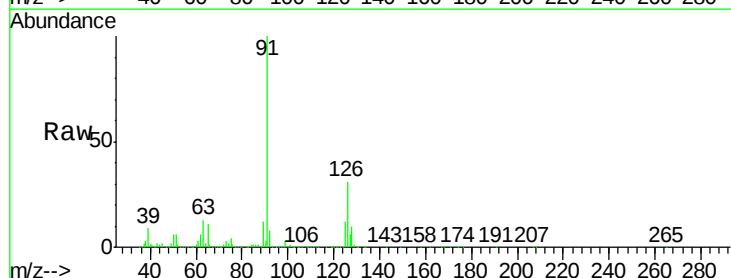
Acq: 4 Apr 2019 18:04

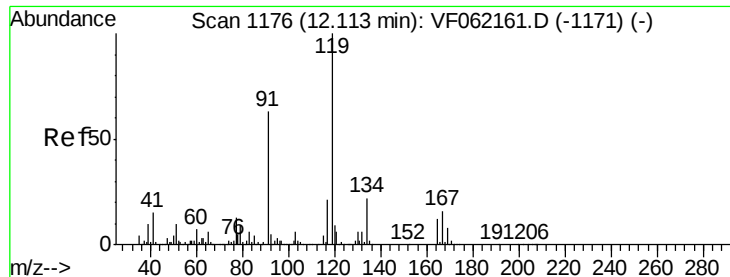
Tgt Ion: 91 Resp: 804012

Ion Ratio Lower Upper

91 100

126 31.2 14.2 42.8

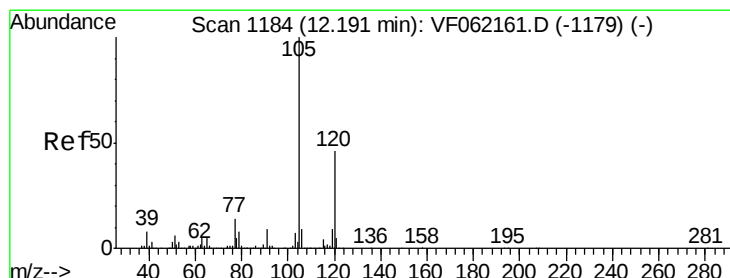
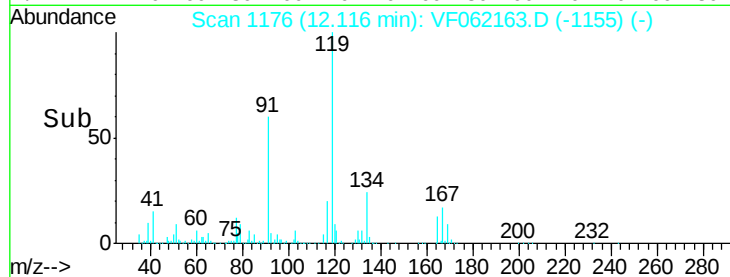
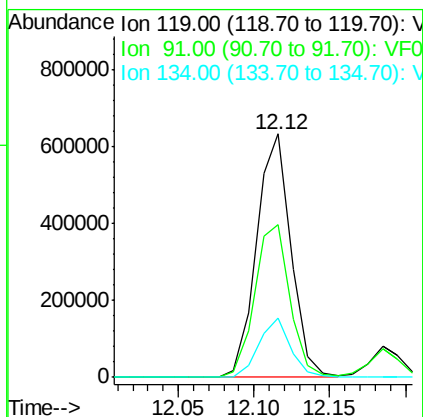
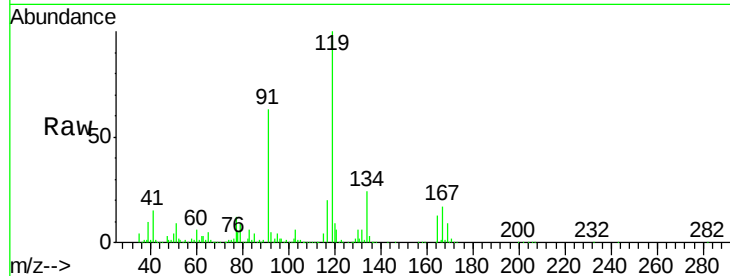




#83
tert-Butylbenzene
Concen: 127.142 ug/l
RT: 12.12 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

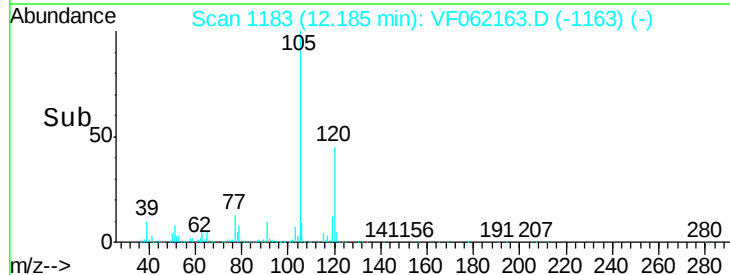
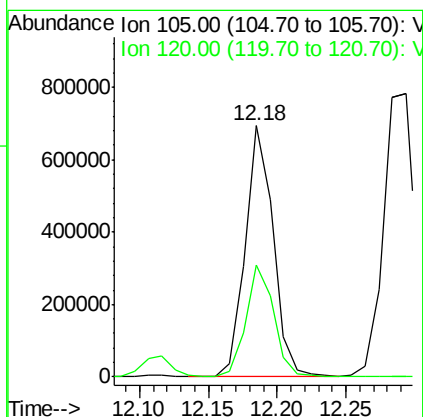
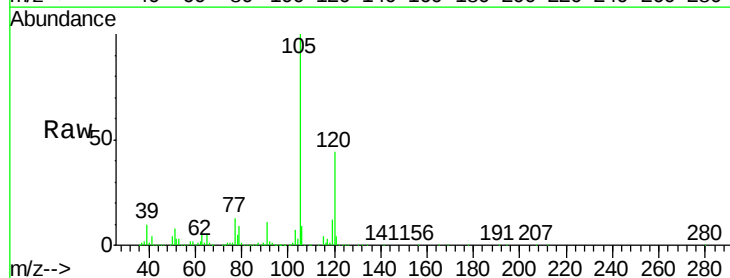
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

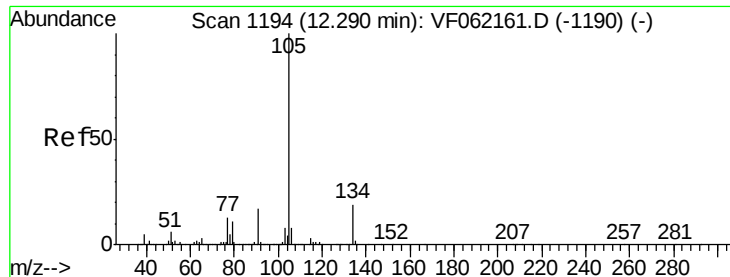
Tgt Ion:119 Resp: 1003717
Ion Ratio Lower Upper
119 100
91 62.7 31.6 94.7
134 24.3 11.1 33.3



#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

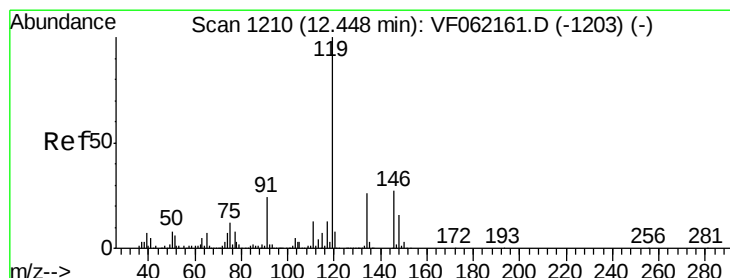
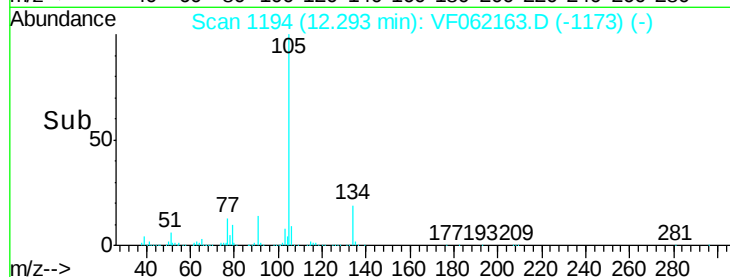
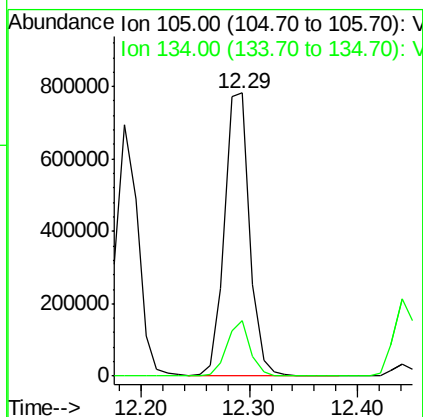
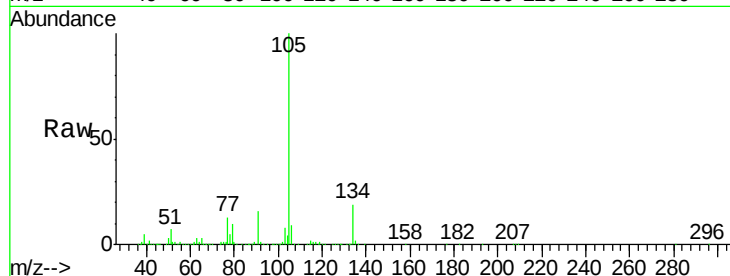




#85
 sec-Butylbenzene
 Concen: 123.923 ug/l
 RT: 12.29 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

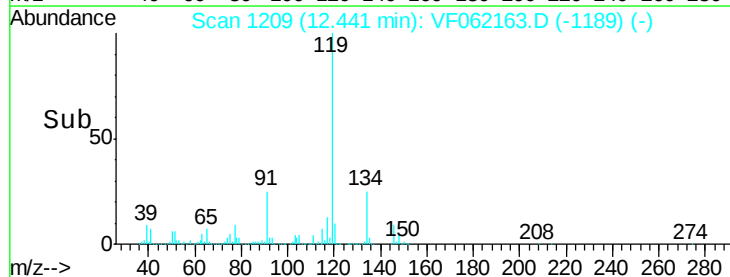
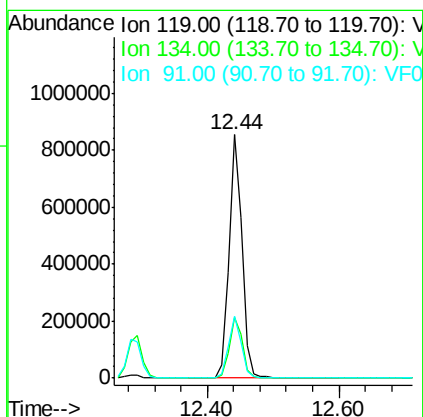
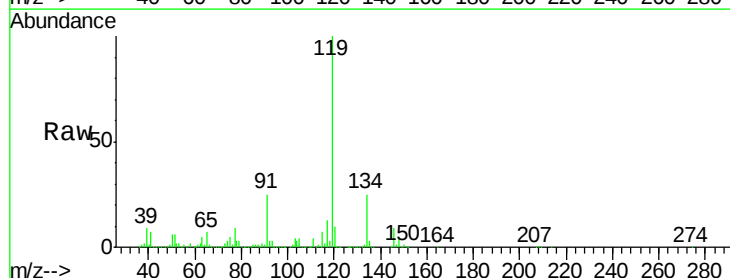
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

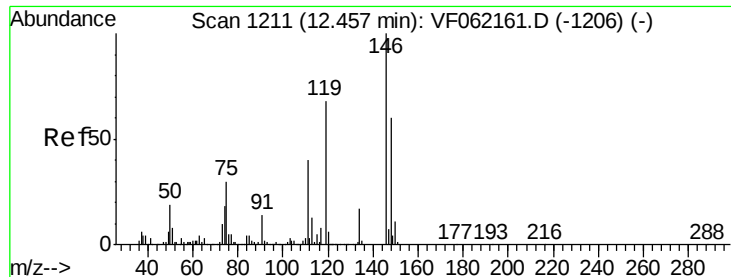
Tgt Ion:105 Resp: 1260327
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.3 28.0



#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

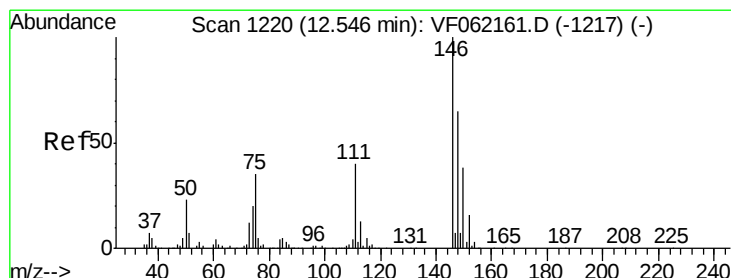
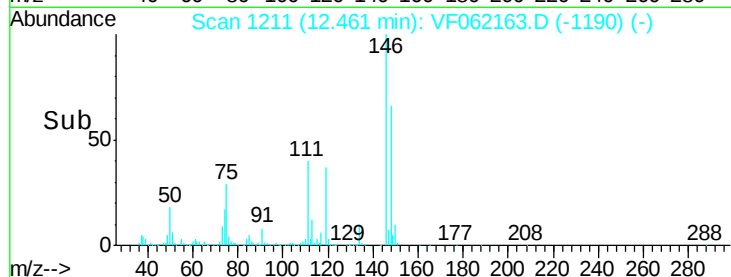
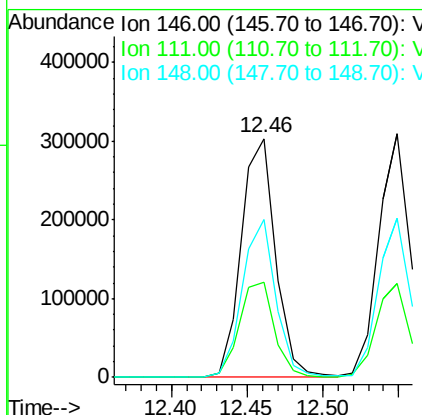
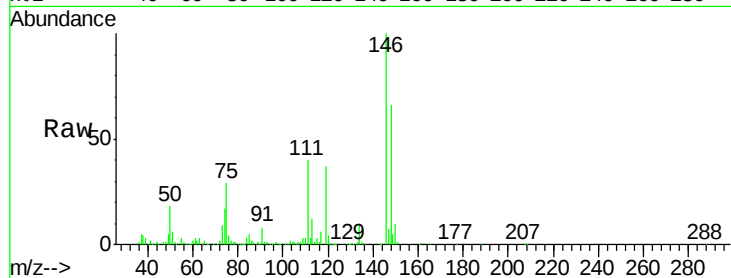




#87
 1,3-Dichlorobenzene
 Concen: 115.555 ug/l
 RT: 12.46 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

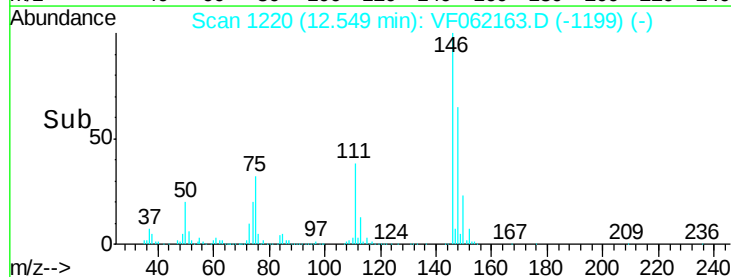
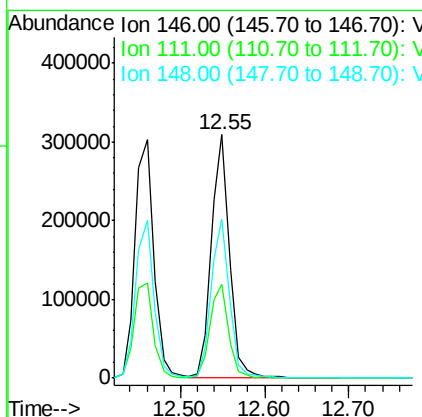
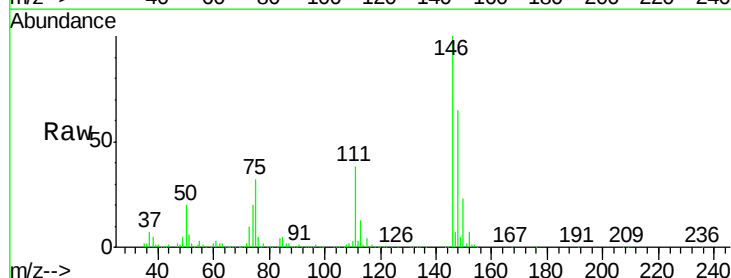
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

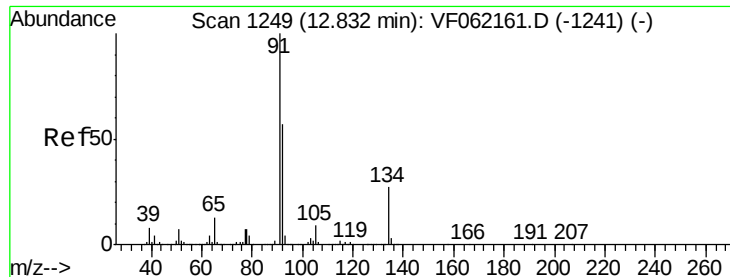
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	66.2	30.0	90.0



#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	Ratio	Lower	Upper
146	100		
111	38.5	20.1	60.2
148	65.3	32.5	97.4

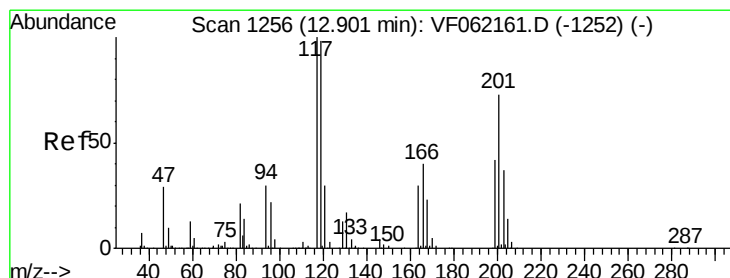
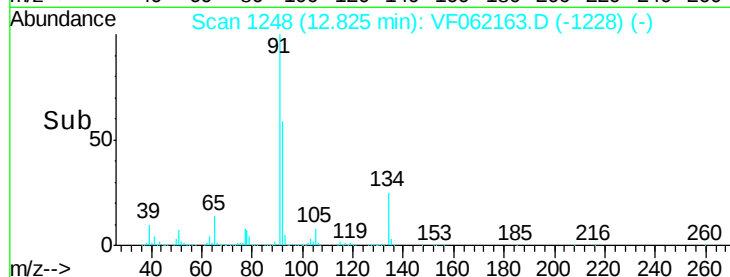
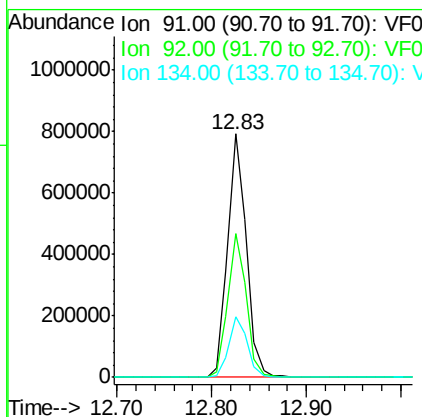
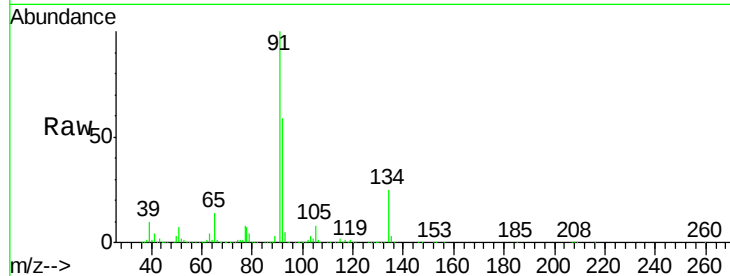




#89
n-Butylbenzene
Concen: 127.344 ug/l
RT: 12.83 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

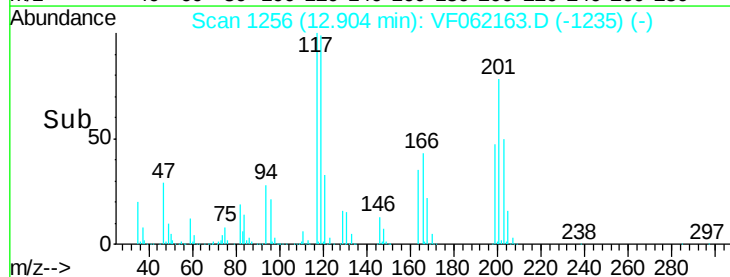
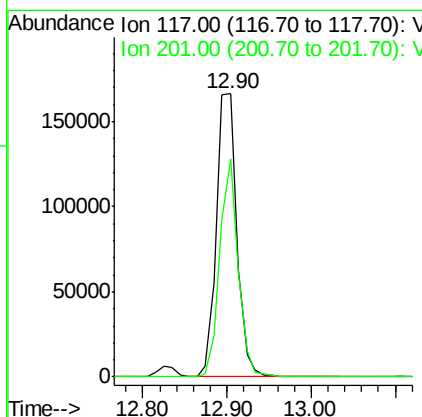
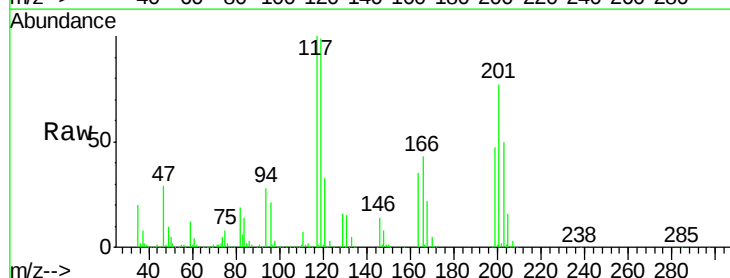
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

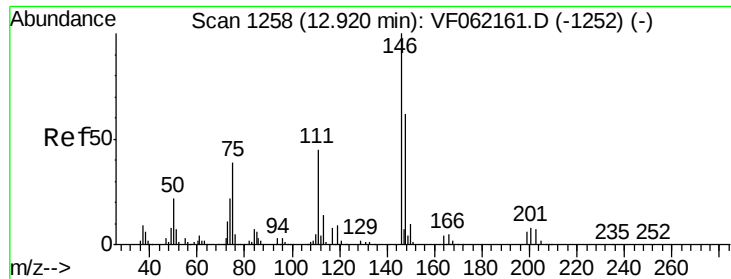
Tgt Ion: 91 Resp: 1082674
Ion Ratio Lower Upper
91 100
92 58.9 28.3 85.0
134 24.7 13.6 40.8



#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

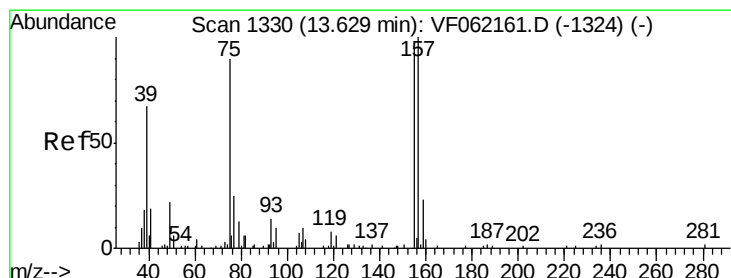
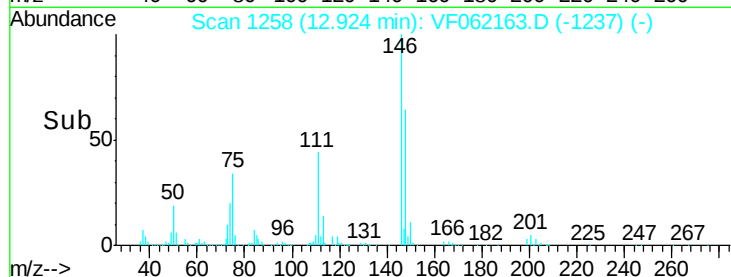
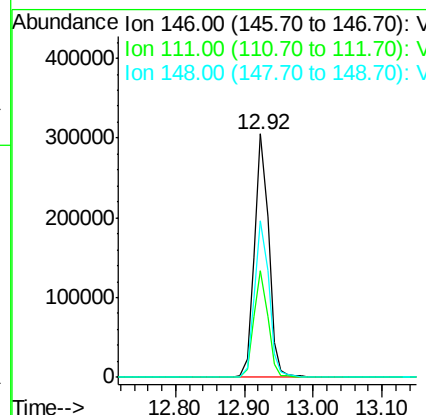
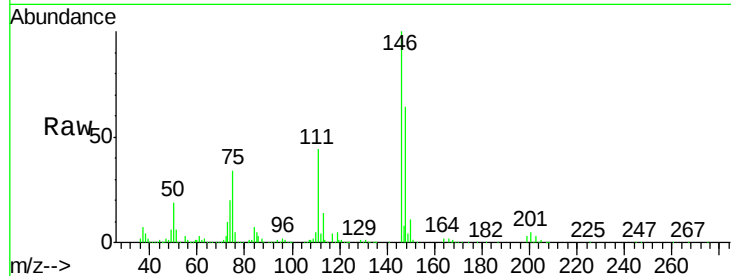




#91
 1,2-Dichlorobenzene
 Concen: 114.856 ug/l
 RT: 12.92 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

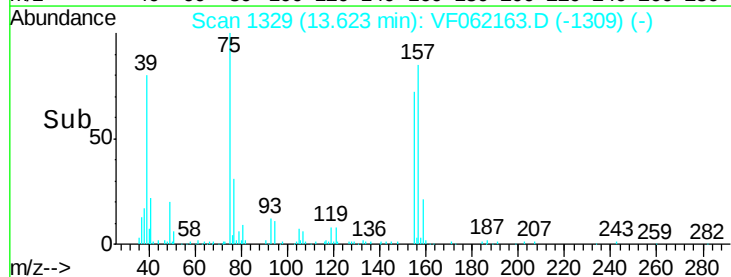
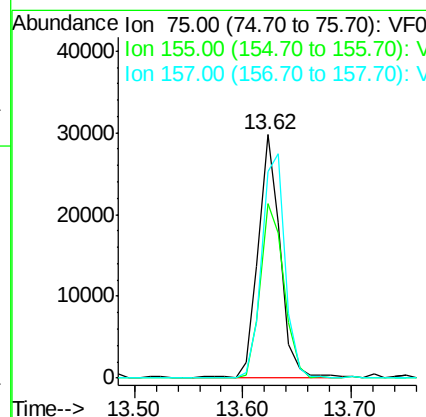
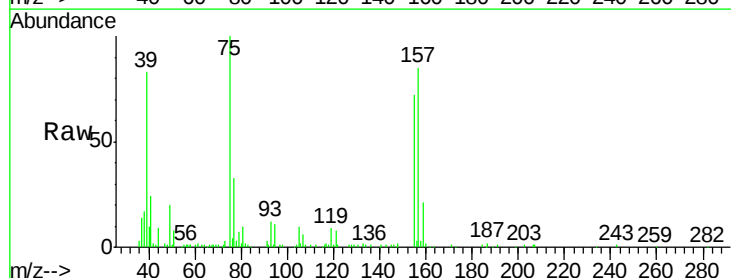
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

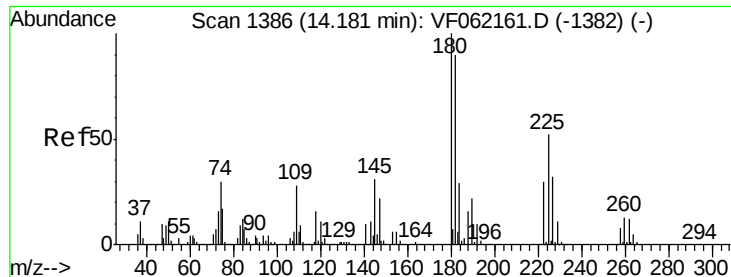
Tgt Ion:146 Resp: 440476
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.4 67.0
 148 64.1 30.9 92.7



#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

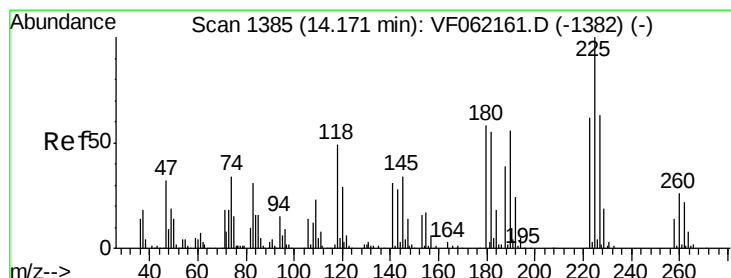
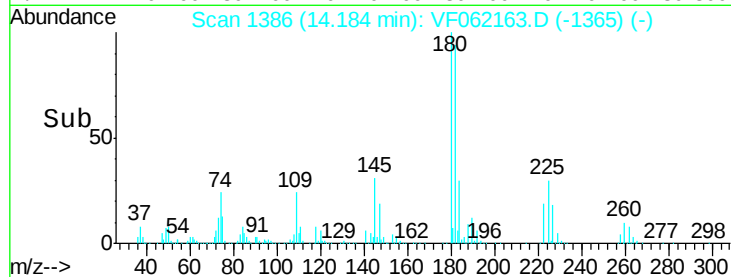
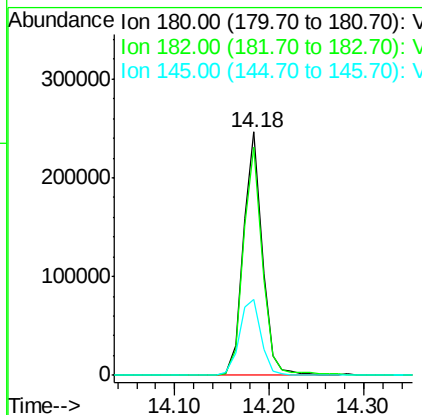
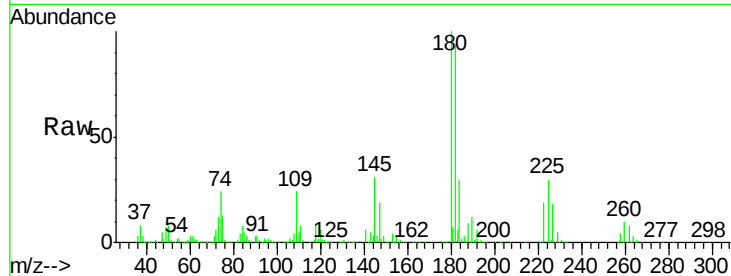




#93
 1,2,4-Trichlorobenzene
 Concen: 125.794 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062163.D
 Acq: 4 Apr 2019 18:04

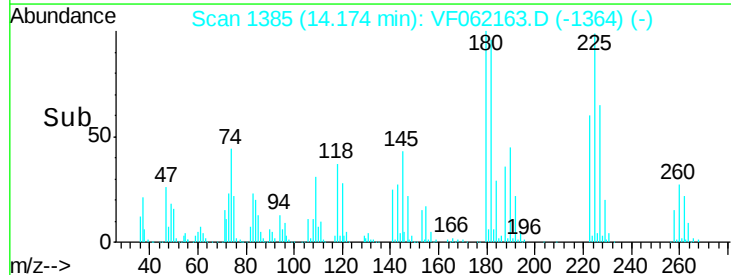
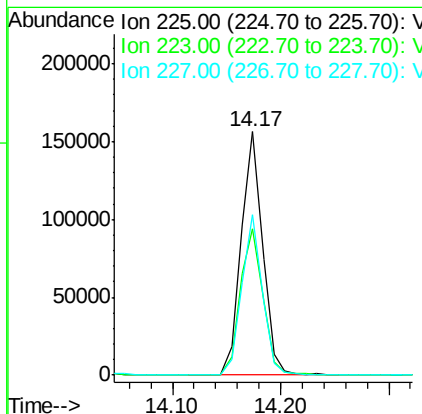
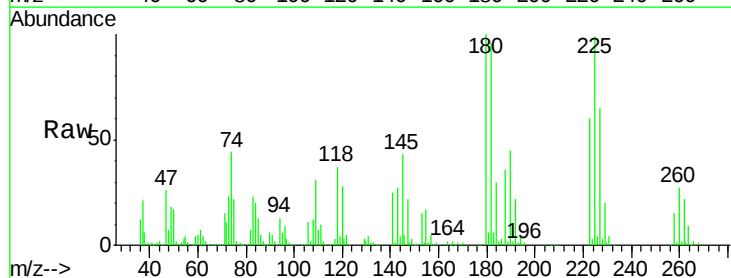
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

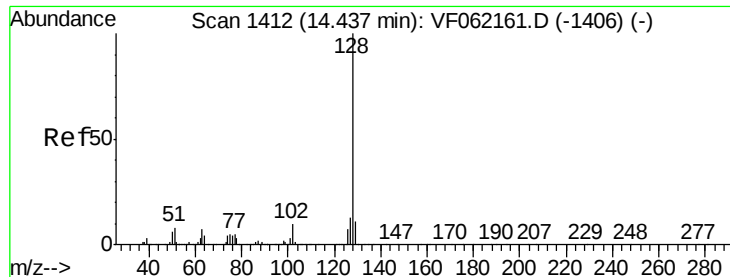
Tgt Ion:180 Resp: 339799
 Ion Ratio Lower Upper
 180 100
 182 93.9 45.1 135.2
 145 31.0 15.4 46.4



#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

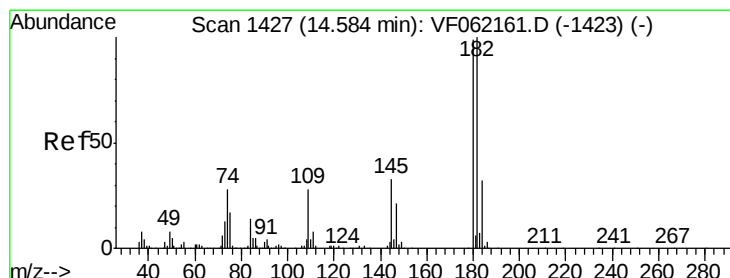
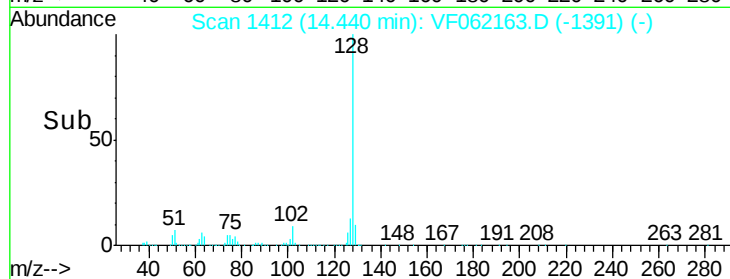
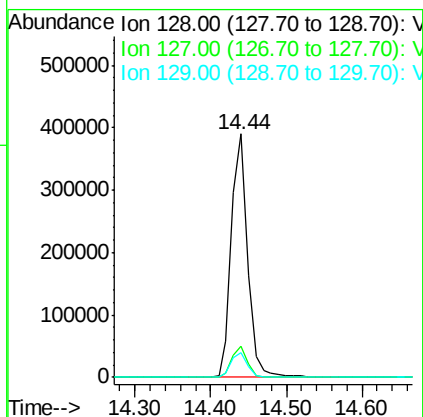
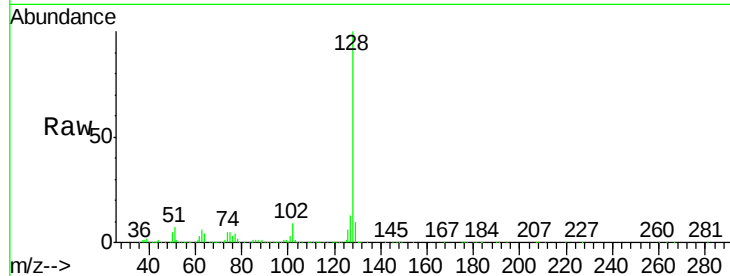




#95
Naphthalene
Concen: 125.378 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062163.D
Acq: 4 Apr 2019 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 579447
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.3 8.4 12.6



#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

