

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061827.D
 Acq On : 4 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 05 04:39:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	299194	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	456463	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	398386	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	202102	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	230894	105.24	ug/l	-0.01
Spiked Amount			Recovery	=	210.48%	
35) Dibromofluoromethane	4.12	113	318397	93.93	ug/l	0.00
Spiked Amount			Recovery	=	187.86%	
50) Toluene-d8	7.56	98	942216	96.69	ug/l	0.00
Spiked Amount			Recovery	=	193.38%	
62) 4-Bromofluorobenzene	11.42	95	347348	88.10	ug/l	0.00
Spiked Amount			Recovery	=	176.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	347260	101.067	ug/l	98
3) Chloromethane	1.10	50	333208	92.429	ug/l	96
4) Vinyl Chloride	1.14	62	322586	96.256	ug/l	95
5) Bromomethane	1.33	94	212469	92.116	ug/l	98
6) Chloroethane	1.39	64	159136	96.354	ug/l	95
7) Trichlorofluoromethane	1.49	101	311723	77.118	ug/l	97
8) Diethyl Ether	1.63	74	90948	89.282	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	262242	89.931	ug/l #	91
10) Methyl Iodide	1.91	142	418815	75.188	ug/l	98
11) Tert butyl alcohol	2.58	59	70102	552.085	ug/l	95
12) 1,1-Dichloroethene	1.79	96	237092	92.477	ug/l	90
13) Acrolein	2.01	56	89121	558.447	ug/l	94
14) Allyl chloride	2.10	41	282549	89.811	ug/l	98
15) Acrylonitrile	2.94	53	212838	472.563	ug/l	95
16) Acetone	2.24	43	236160	501.677	ug/l	97
17) Carbon Disulfide	1.83	76	756534	93.876	ug/l	96
18) Methyl Acetate	2.35	43	104082	98.147	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	462743	105.610	ug/l	98
20) Methylene Chloride	2.18	84	76418	26.873	ug/l	97
21) trans-1,2-Dichloroethene	2.31	96	256421	92.005	ug/l	98
22) Diisopropyl ether	2.81	45	760133	100.655	ug/l	98
23) Vinyl Acetate	3.19	43	1723346	467.215	ug/l	99
24) 1,1-Dichloroethane	2.88	63	436443	95.499	ug/l	100
25) 2-Butanone	4.35	43	502142	488.348	ug/l	97
26) 2,2-Dichloropropane	3.61	77	188245	97.243	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	341444	93.337	ug/l	98
28) Bromochloromethane	3.72	49	181204	82.636	ug/l	100
29) Tetrahydrofuran	4.08	42	218776	468.124	ug/l	98
30) Chloroform	3.86	83	491549	94.578	ug/l	98
31) Cyclohexane	3.69	56	248362	50.201	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	316633	93.003	ug/l	97
36) 1,1-Dichloropropene	4.29	75	403974	89.339	ug/l	94
37) Ethyl Acetate	4.12	43	187950	89.488	ug/l	94
38) Carbon Tetrachloride	3.99	117	281132	90.038	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
 Data File : VF061827.D
 Acq On : 4 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 05 04:39:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	480539	89.858	ug/l	98
40) Benzene	4.63	78	1057651	89.422	ug/l	99
41) Methacrylonitrile	4.75	41	101579	94.573	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	288093	101.828	ug/l	92
43) Isopropyl Acetate	6.96	43	233915	94.090	ug/l	92
44) Trichloroethene	5.51	130	338133	88.406	ug/l	98
45) 1,2-Dichloropropane	6.24	63	263614	92.207	ug/l	98
46) Dibromomethane	6.09	93	178612	101.469	ug/l	90
47) Bromodichloromethane	6.39	83	369759	95.923	ug/l	100
48) Methyl methacrylate	6.72	41	152226	101.749	ug/l	93
49) 1,4-Dioxane	6.71	88	29764	2116.325	ug/l	86
51) 4-Methyl-2-Pentanone	8.26	43	768391	432.561	ug/l	98
52) Toluene	7.63	92	639316	89.125	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	313097	97.593	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	418192	97.862	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	197359	93.643	ug/l	97
56) Ethyl methacrylate	8.62	69	227773	97.071	ug/l	96
57) 1,3-Dichloropropane	8.85	76	320910	91.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	188197	464.855	ug/l	99
59) 2-Hexanone	9.49	43	536537	430.887	ug/l	100
60) Dibromochloromethane	8.71	129	292970	99.872	ug/l	100
61) 1,2-Dibromoethane	8.99	107	223314	97.691	ug/l	100
64) Tetrachloroethene	8.15	164	285453	87.660	ug/l	97
65) Chlorobenzene	9.80	112	742202	91.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	293980	92.803	ug/l	97
67) Ethyl Benzene	9.91	91	1173062	87.256	ug/l	96
68) m/p-Xylenes	10.13	106	873490	169.769	ug/l	92
69) o-Xylene	10.72	106	499621	91.003	ug/l	95
70) Styrene	10.79	104	705855	90.881	ug/l	97
71) Bromoform	10.77	173	162441	94.433	ug/l	96
73) Isopropylbenzene	11.13	105	1314443	91.349	ug/l	93
74) N-amyl acetate	11.38	43	335037	97.006	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	249542	96.801	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	167179	95.385	ug/l	95
77) Bromobenzene	11.49	156	337015	94.806	ug/l	90
78) n-propylbenzene	11.59	91	1448351	87.714	ug/l	100
79) 2-Chlorotoluene	11.72	91	849676	91.881	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	1033598	89.874	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	104289	124.116	ug/l	93
82) 4-Chlorotoluene	11.90	91	863107	89.921	ug/l	98
83) tert-Butylbenzene	12.14	119	1108551	87.027	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	1001377	87.644	ug/l	98
85) sec-Butylbenzene	12.31	105	1455729	88.375	ug/l	95
86) p-Isopropyltoluene	12.46	119	1222432	88.427	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	594678	85.811	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	598369	89.780	ug/l	97
89) n-Butylbenzene	12.85	91	1130354	86.591	ug/l	91
90) Hexachloroethane	12.92	117	317507	98.753	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	576848	87.512	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	43652	106.802	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
Data File : VF061827.D
Acq On : 4 Mar 2019 18:27
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: Mar 05 04:39:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration

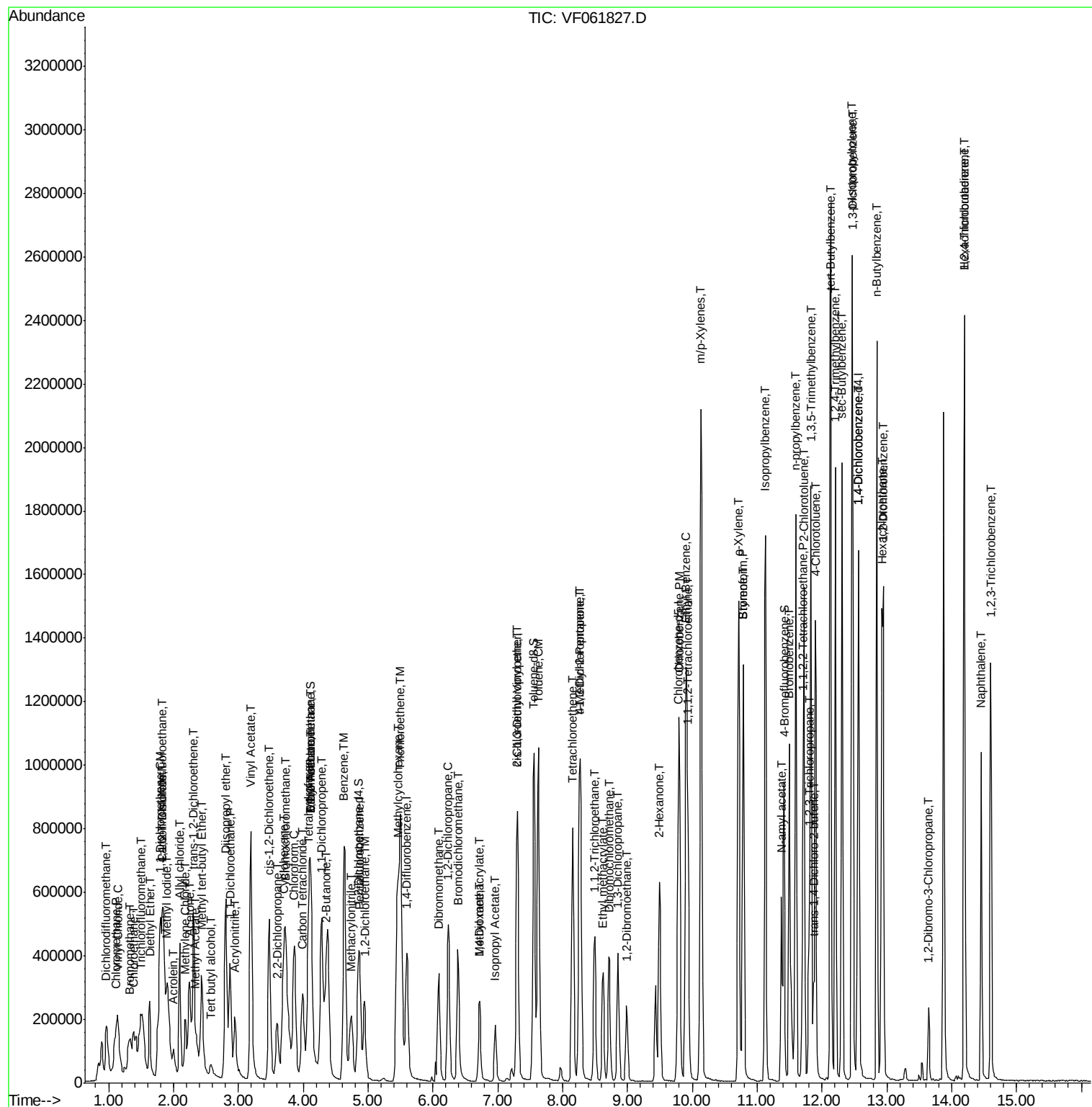
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	406218	85.977	ug/l	100
94) Hexachlorobutadiene	14.20	225	268945	92.168	ug/l	97
95) Naphthalene	14.45	128	834389	100.936	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	406514	93.741	ug/l	97

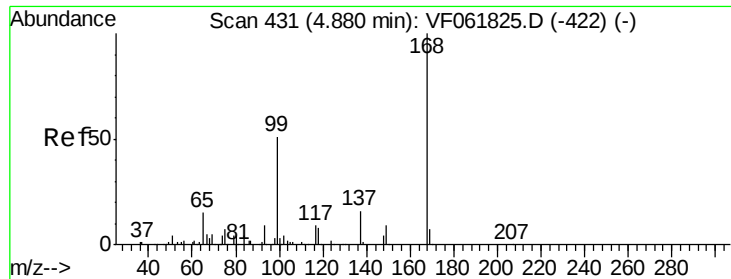
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
Data File : VF061827.D
Acq On : 4 Mar 2019 18:27
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: Mar 05 04:39:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

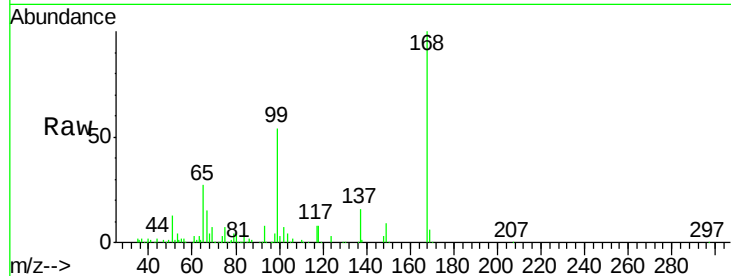
VSTDIC100

Tot Ion:168 Resp: 299194

Ion Ratio Lower Upper

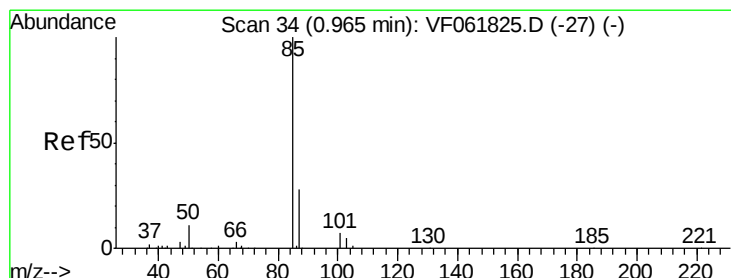
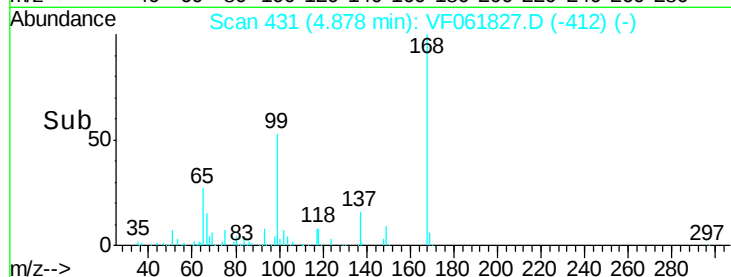
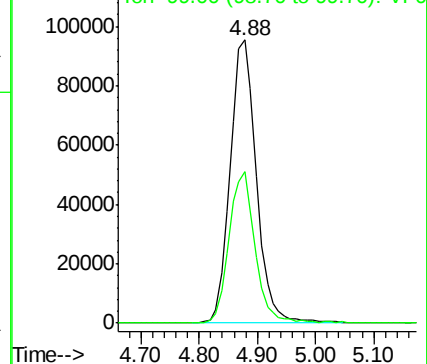
168 100

99 53.6 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 101.067 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061827.D

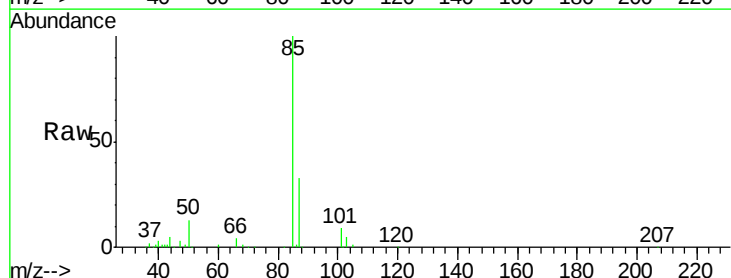
Acq: 4 Mar 2019 18:27

Tgt Ion: 85 Resp: 347260

Ion Ratio Lower Upper

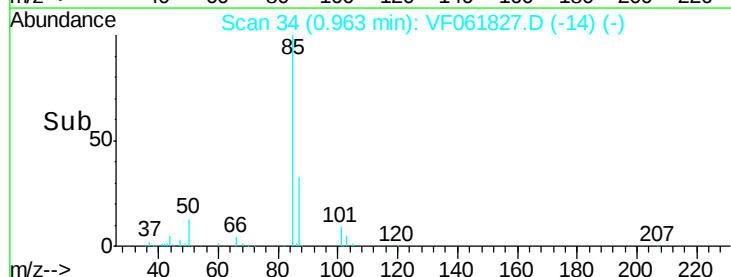
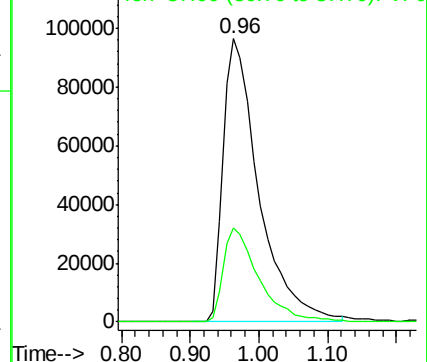
85 100

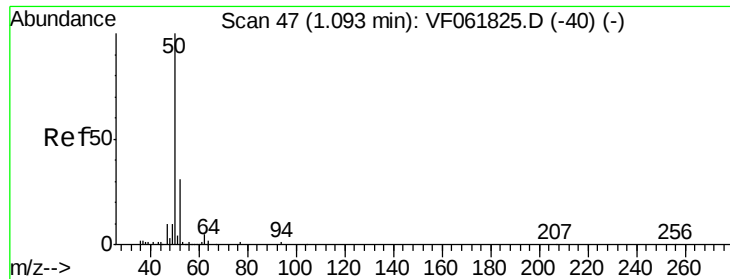
87 33.1 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 92.429 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

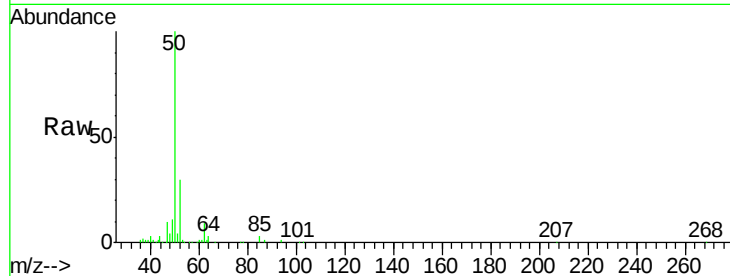
VSTDIC100

Tot Ion: 50 Resp: 333208

Ion Ratio Lower Upper

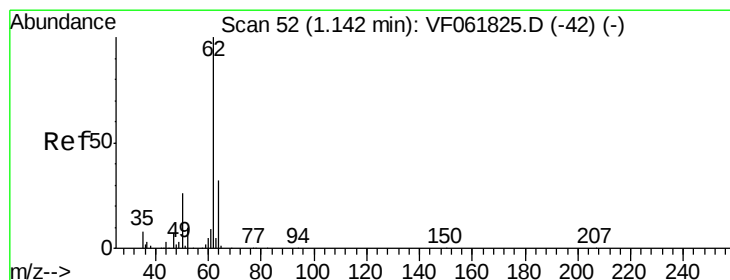
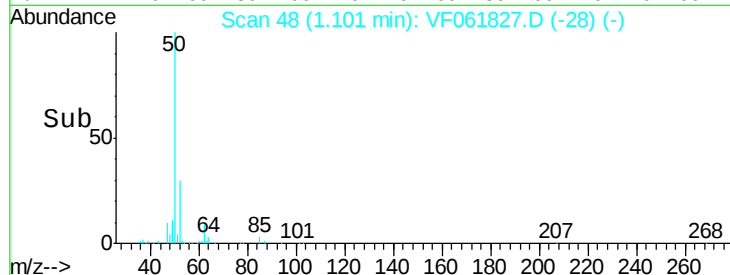
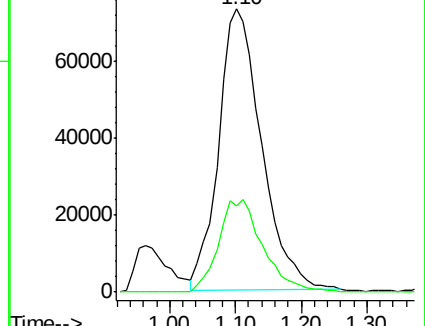
50 100

52 30.3 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 96.256 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061827.D

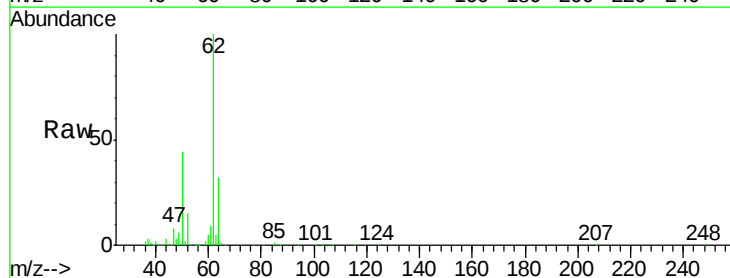
Acq: 4 Mar 2019 18:27

Tgt Ion: 62 Resp: 322586

Ion Ratio Lower Upper

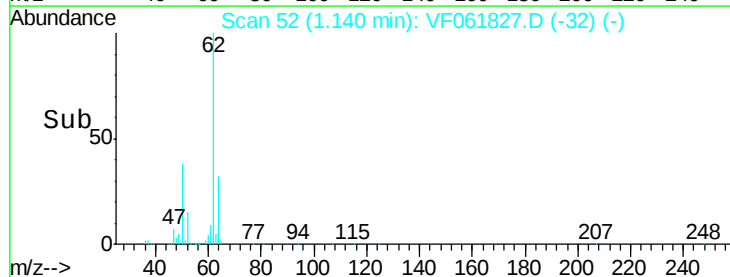
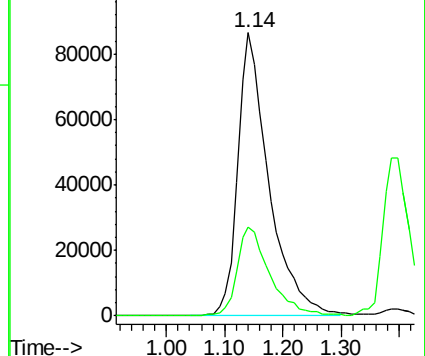
62 100

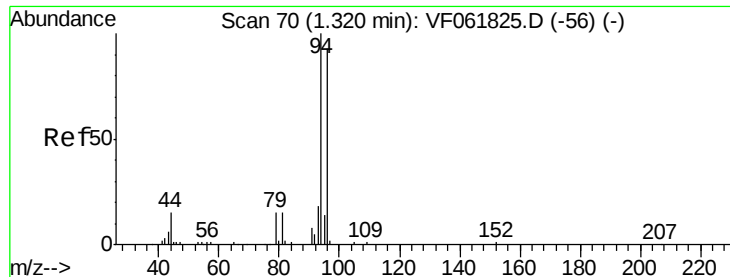
64 31.5 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 92.116 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

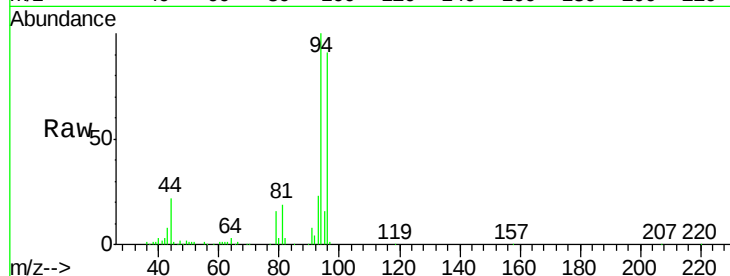
VSTDIC100

Tot Ion: 94 Resp: 212469

Ion Ratio Lower Upper

94 100

96 91.4 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

40000

30000

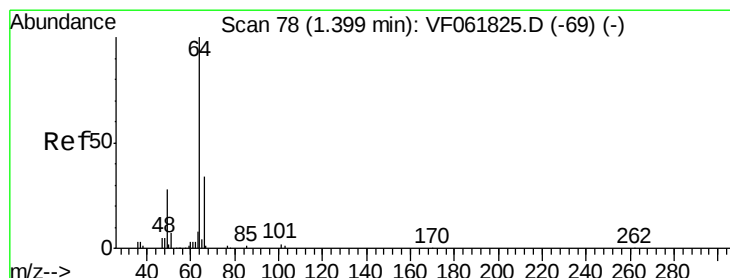
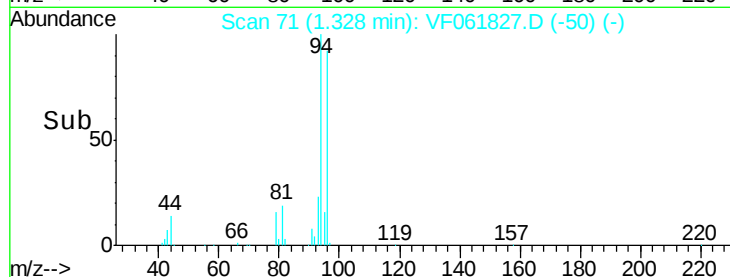
20000

10000

0

Time-->

1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 96.354 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061827.D

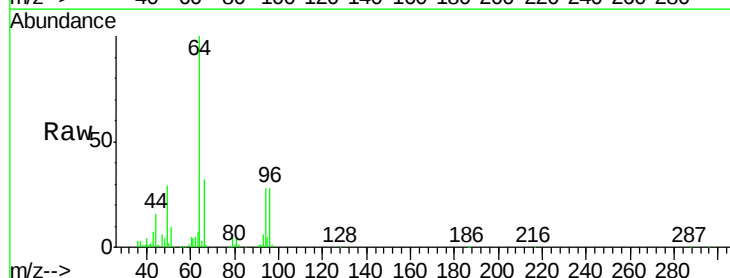
Acq: 4 Mar 2019 18:27

Tgt Ion: 64 Resp: 159136

Ion Ratio Lower Upper

64 100

66 32.0 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.39

50000

40000

30000

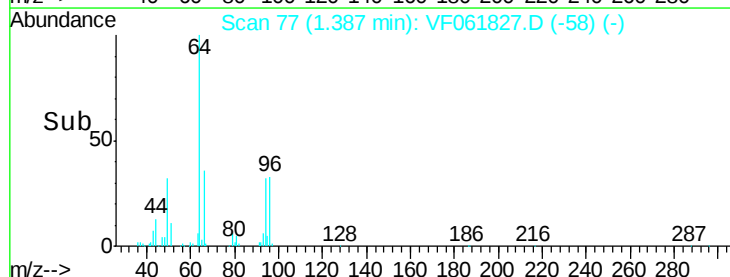
20000

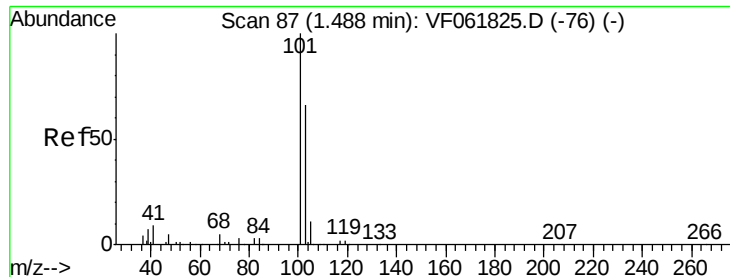
10000

0

Time-->

1.20 1.30 1.40 1.50 1.60





#7

Trichlorofluoromethane

Concen: 77.118 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

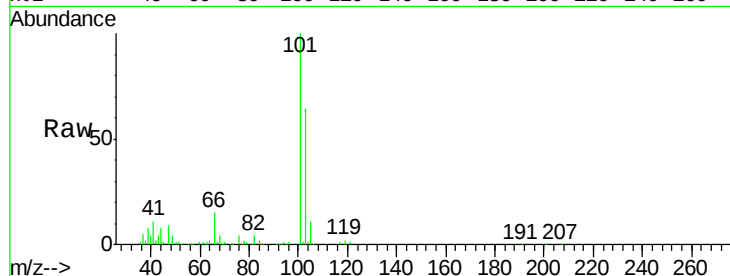
VSTDIC100

Tot Ion:101 Resp: 311723

Ion Ratio Lower Upper

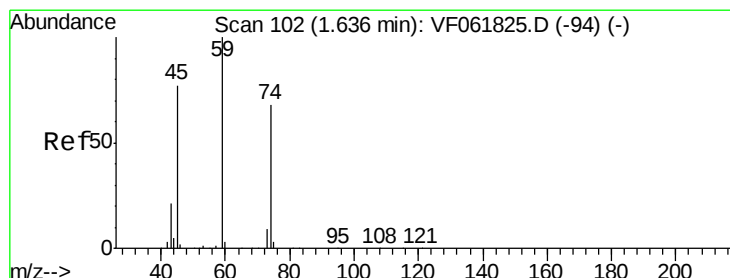
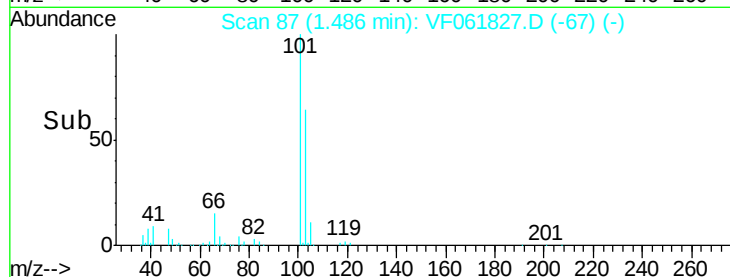
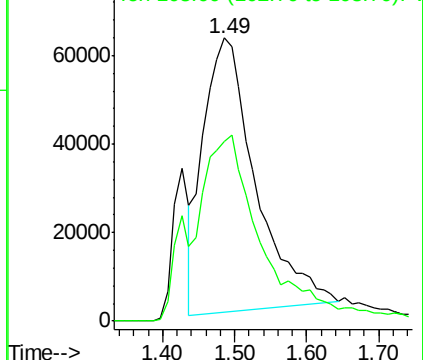
101 100

103 63.6 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 89.282 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061827.D

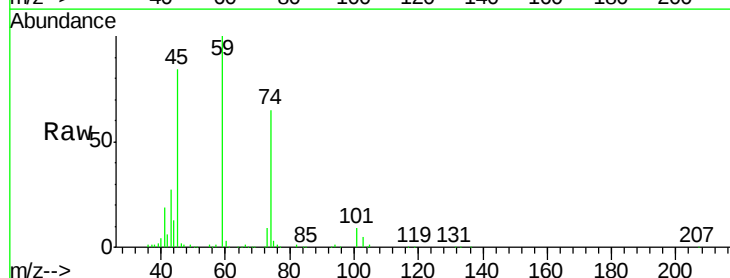
Acq: 4 Mar 2019 18:27

Tgt Ion: 74 Resp: 90948

Ion Ratio Lower Upper

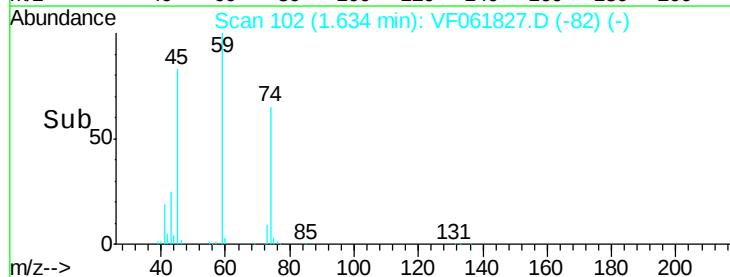
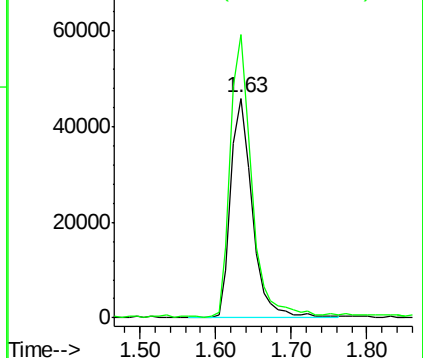
74 100

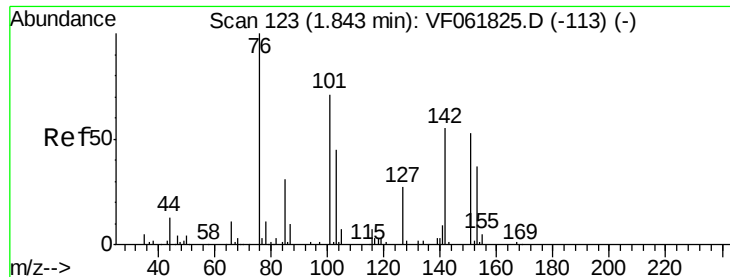
45 128.7 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.931 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

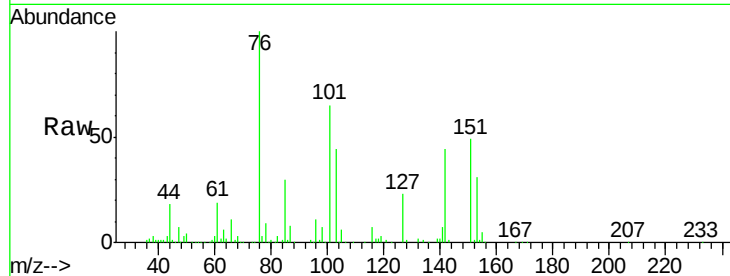
Tot Ion:101 Resp: 262242

Ion Ratio Lower Upper

101 100

85 46.7 29.8 44.6#

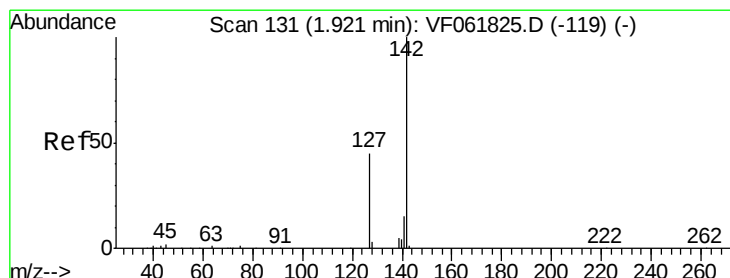
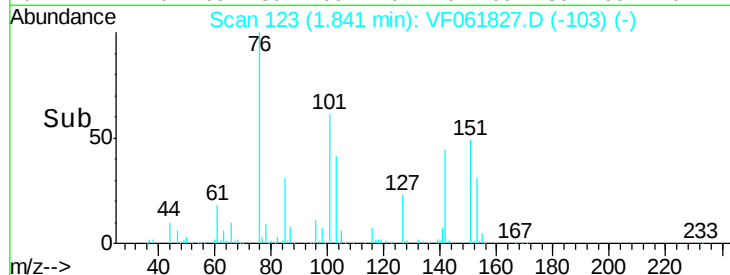
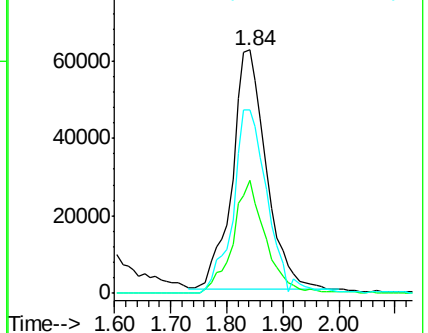
151 75.4 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 75.188 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

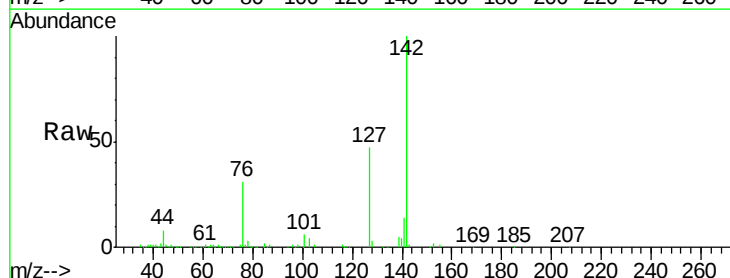
Tgt Ion:142 Resp: 418815

Ion Ratio Lower Upper

142 100

127 47.1 36.6 55.0

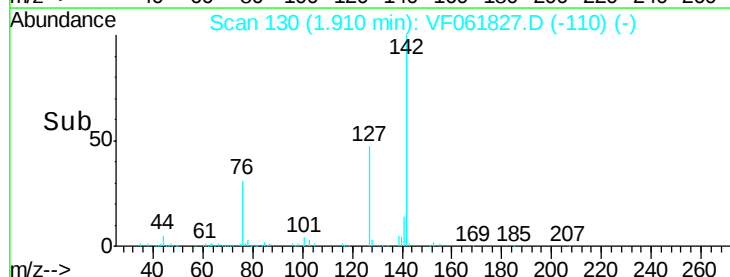
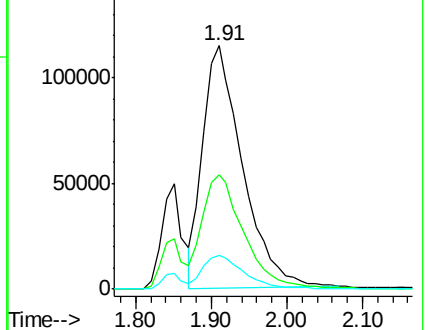
141 14.0 11.0 16.6

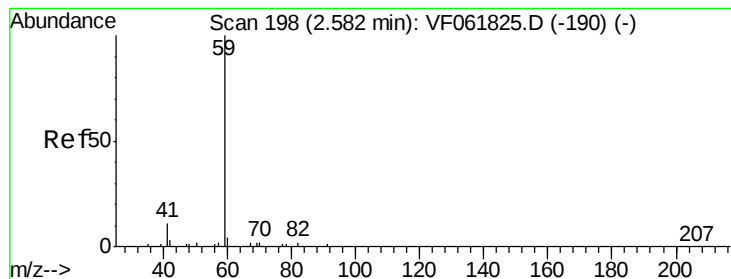


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



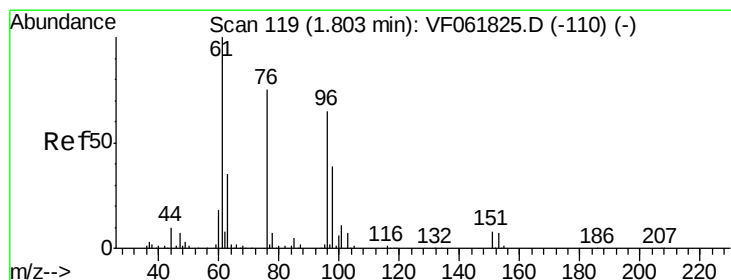
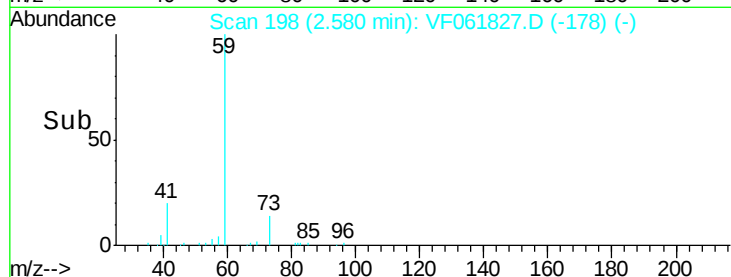
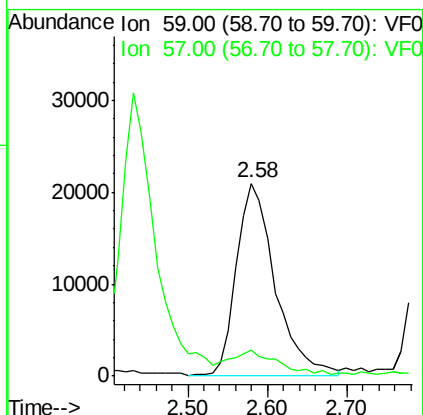
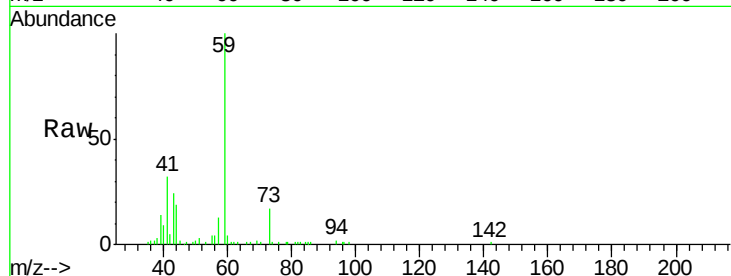


#11

Tert butyl alcohol
 Concen: 552.085 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

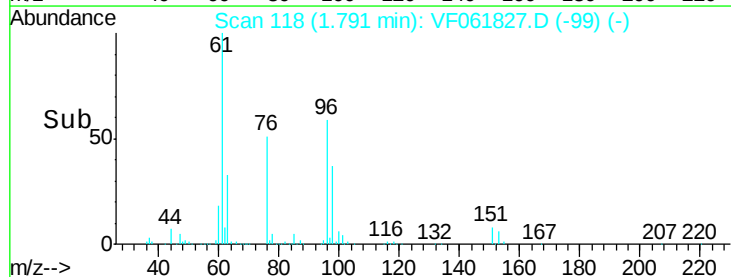
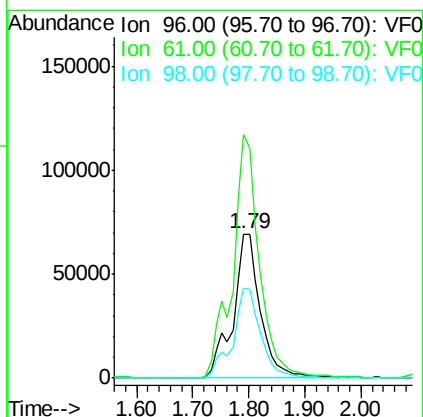
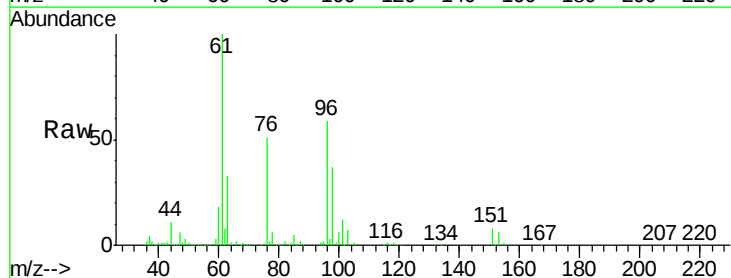
Tot Ion: 59 Resp: 70102
 Ion Ratio Lower Upper
 59 100
 57 13.3 12.5 18.7

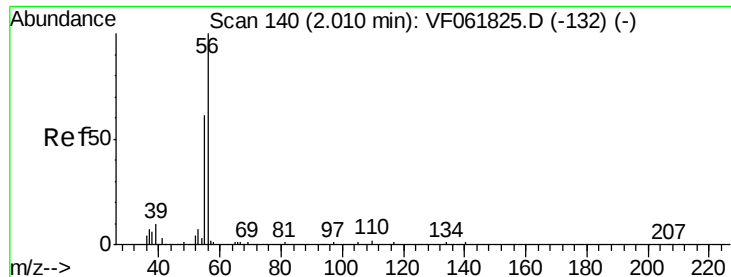


#12

1,1-Dichloroethene
 Concen: 92.477 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion: 96 Resp: 237092
 Ion Ratio Lower Upper
 96 100
 61 168.9 122.6 184.0
 98 62.6 47.2 70.8





#13

Acrolein

Concen: 558.447 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

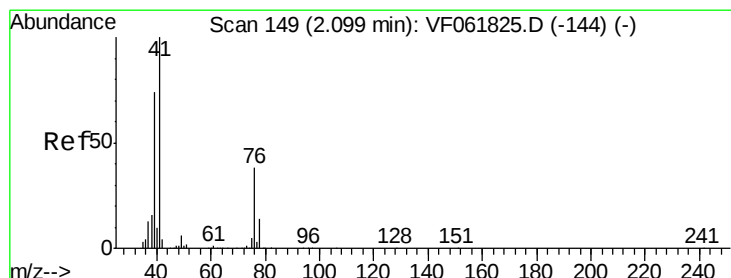
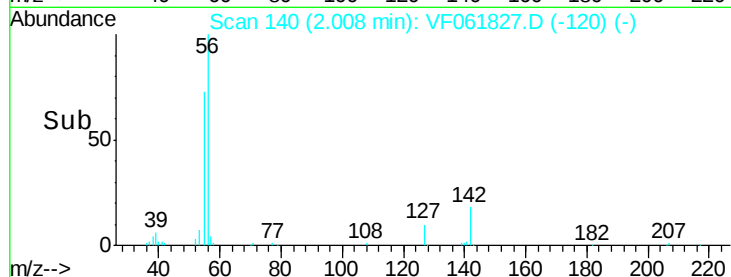
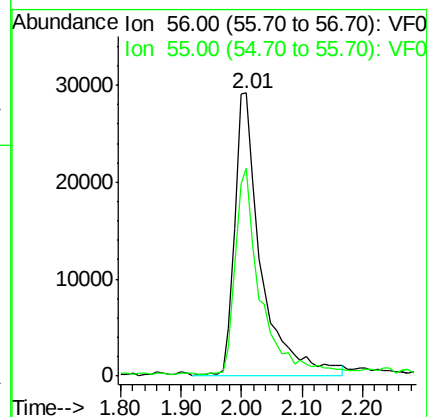
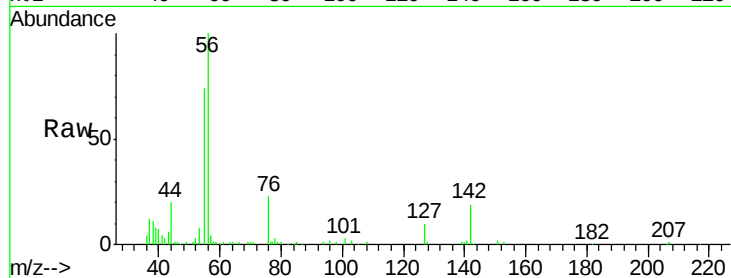
VSTDIC100

Tot Ion: 56 Resp: 89121

Ion Ratio Lower Upper

56 100

55 73.7 55.0 82.6



#14

Allyl chloride

Concen: 89.811 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

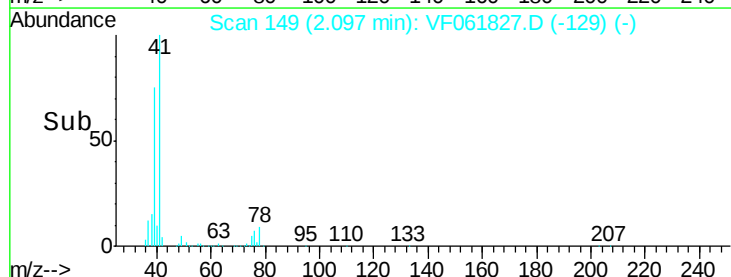
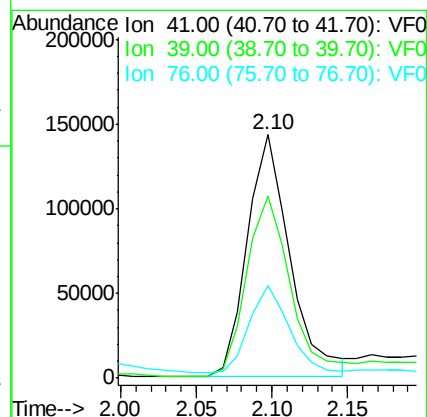
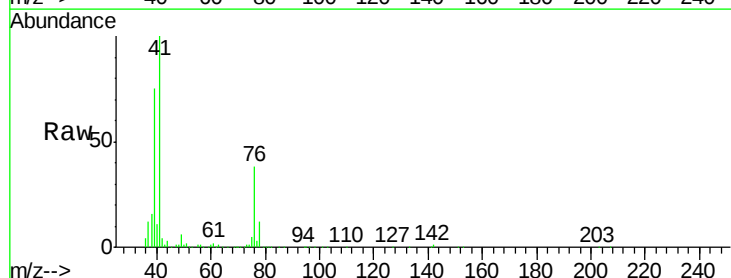
Tgt Ion: 41 Resp: 282549

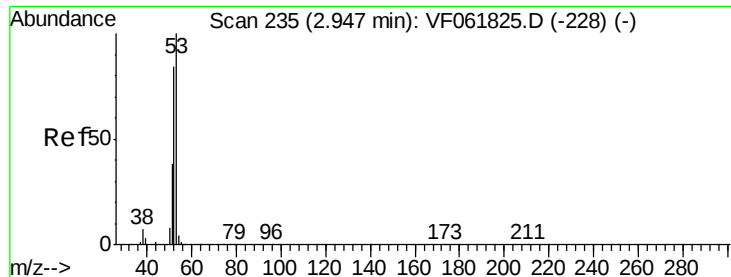
Ion Ratio Lower Upper

41 100

39 74.9 61.6 92.4

76 37.8 30.3 45.5





#15

Acrylonitrile

Concen: 472.563 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

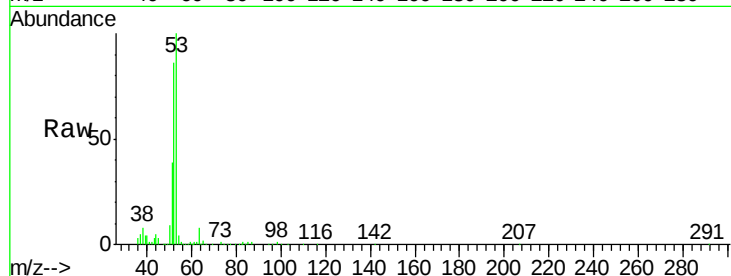
Tot Ion: 53 Resp: 212838

Ion Ratio Lower Upper

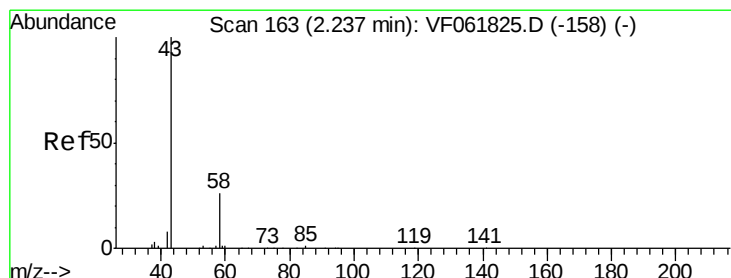
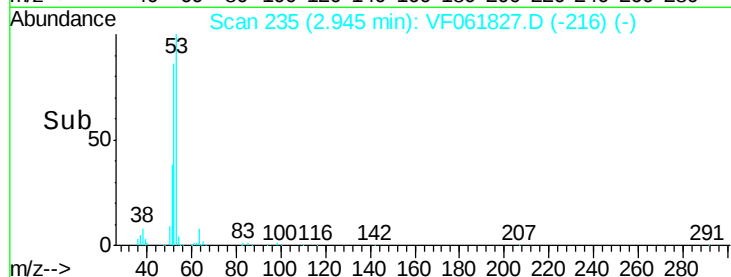
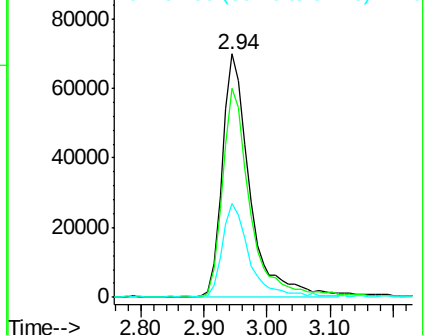
53 100

52 85.9 64.6 97.0

51 38.7 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 501.677 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061827.D

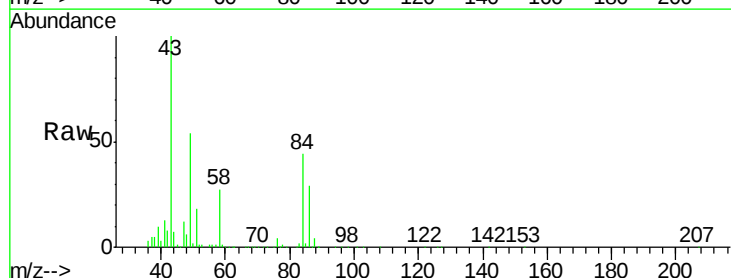
Acq: 4 Mar 2019 18:27

Tgt Ion: 43 Resp: 236160

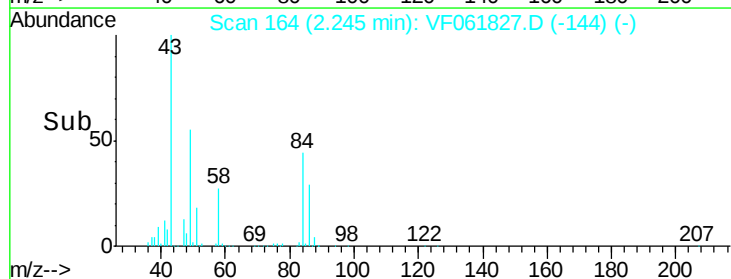
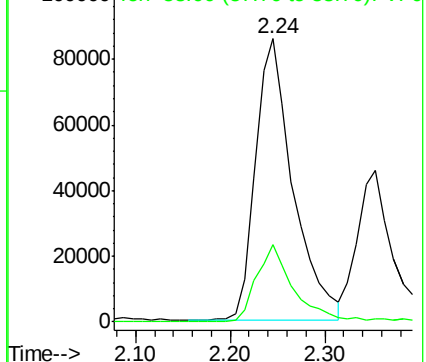
Ion Ratio Lower Upper

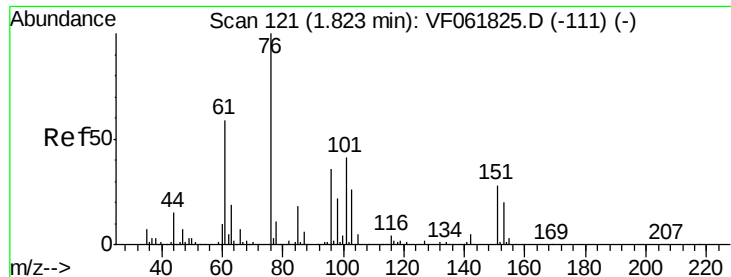
43 100

58 27.1 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

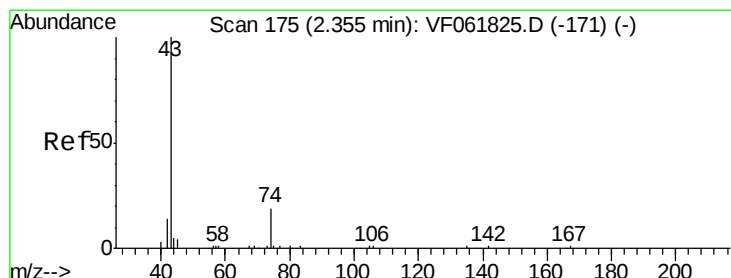
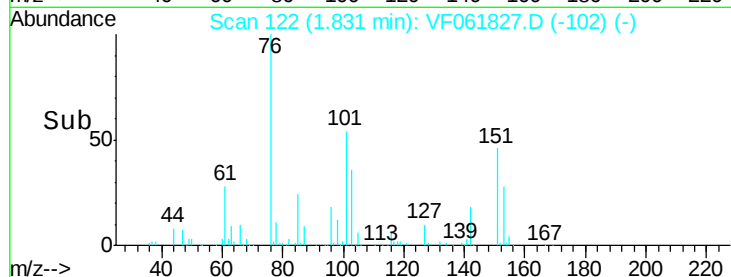
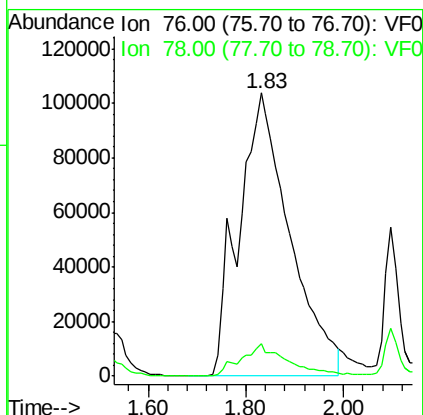
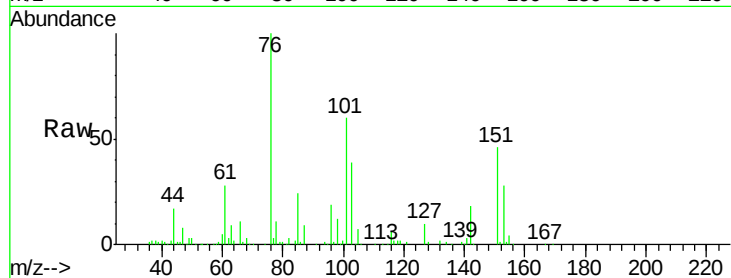




#17
Carbon Disulfide
Concen: 93.876 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

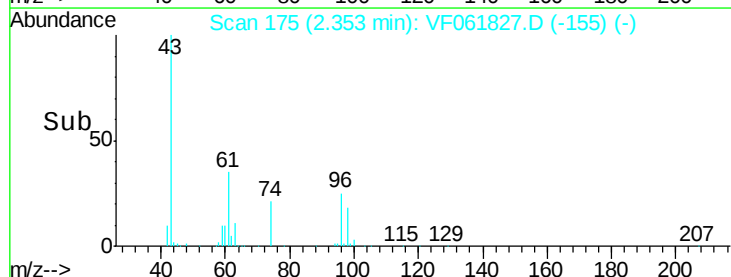
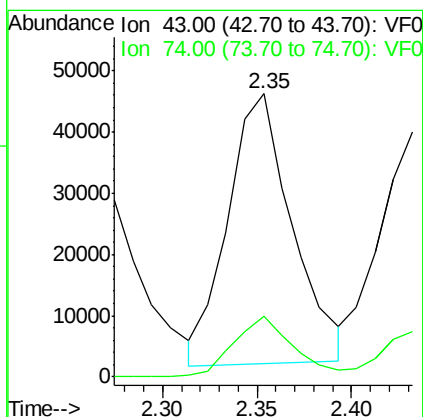
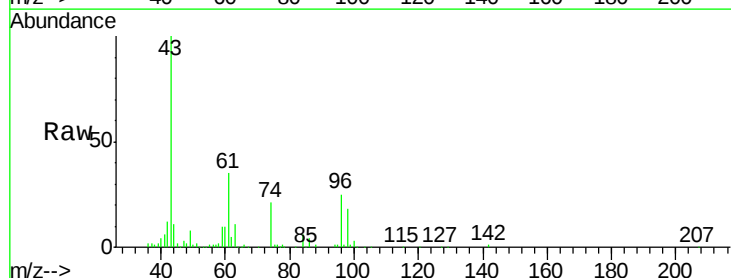
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

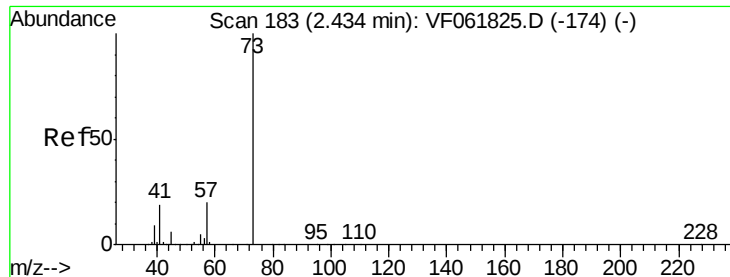
Tot Ion: 76 Resp: 756534
Ion Ratio Lower Upper
76 100
78 11.4 7.9 11.9



#18
Methyl Acetate
Concen: 98.147 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 43 Resp: 104082
Ion Ratio Lower Upper
43 100
74 21.3 14.6 21.8

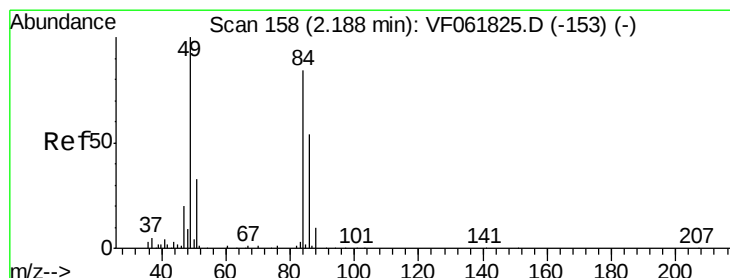
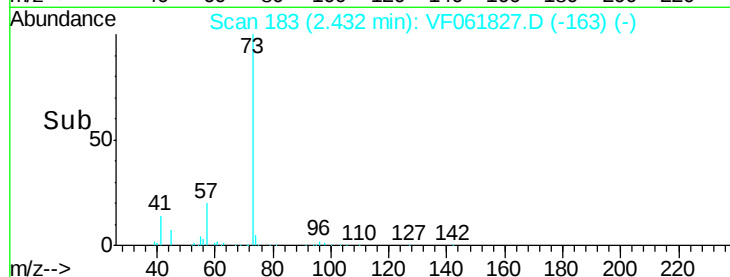
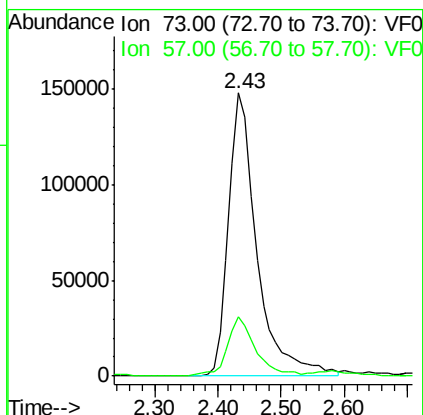
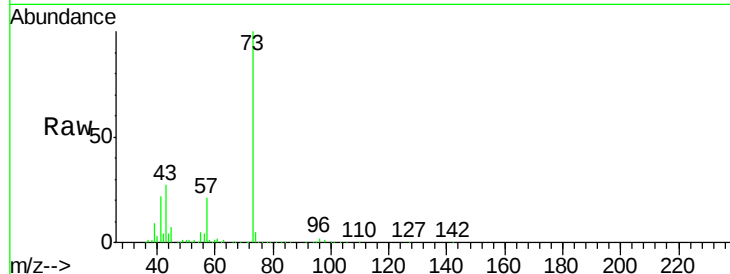




#19
Methvl tert-butvl Ether
Concen: 105.610 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

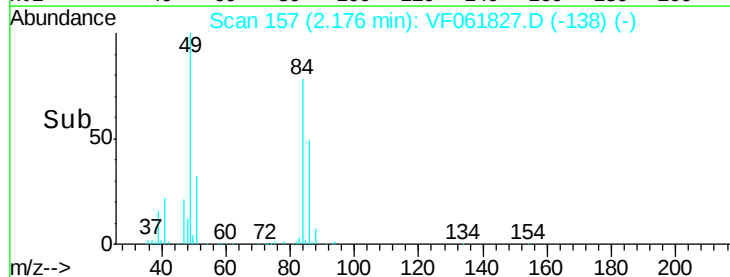
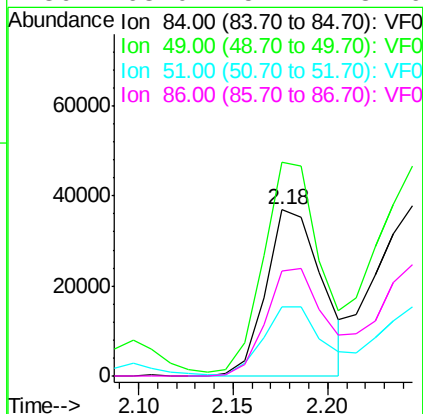
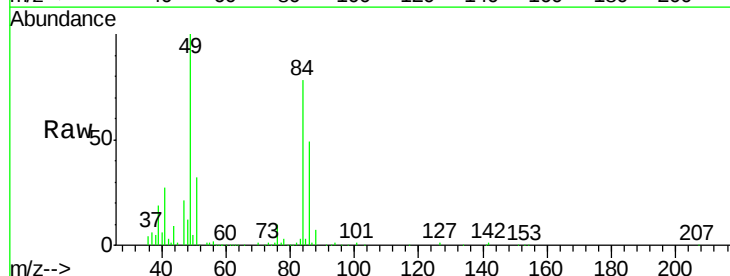
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

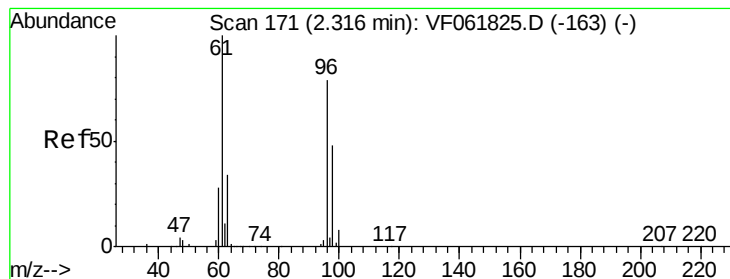
Tot Ion: 73 Resp: 462743
Ion Ratio Lower Upper
73 100
57 20.8 15.8 23.8



#20
Methylene Chloride
Concen: 26.873 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 84 Resp: 76418
Ion Ratio Lower Upper
84 100
49 128.5 101.8 152.8
51 41.5 31.1 46.7
86 63.0 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 92.005 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

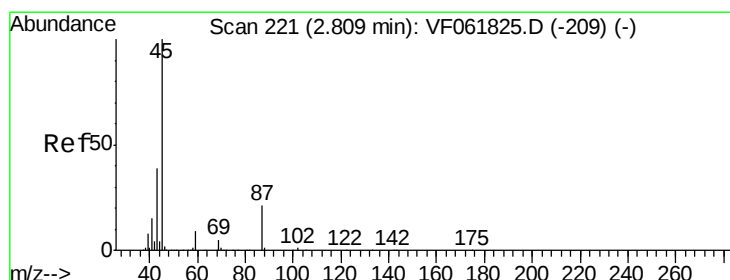
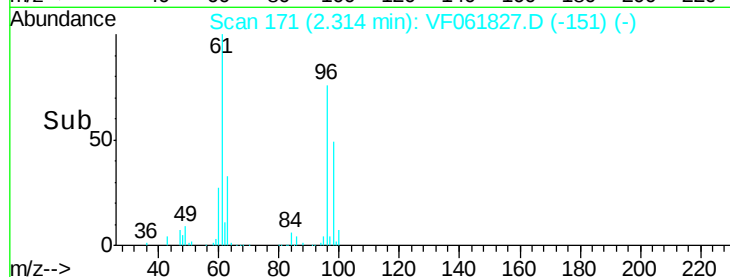
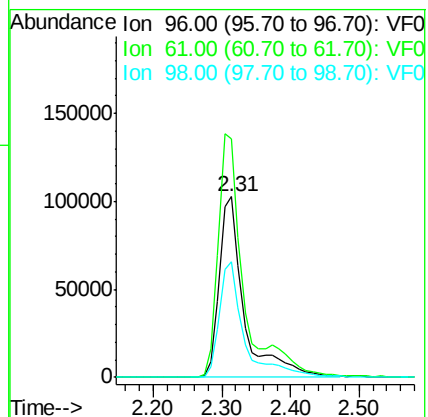
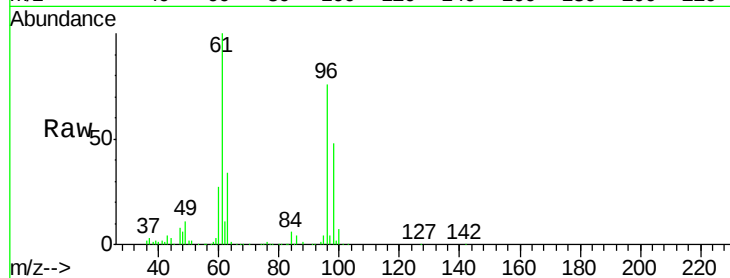
Tot Ion: 96 Resp: 256421

Ion Ratio Lower Upper

96 100

61 132.4 108.2 162.4

98 64.0 52.2 78.2



#22

Diisopropyl ether

Concen: 100.655 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion: 45 Resp: 760133

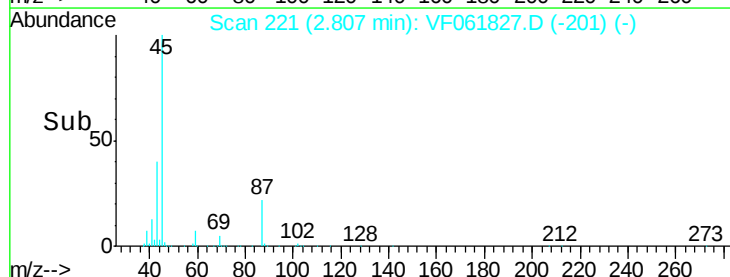
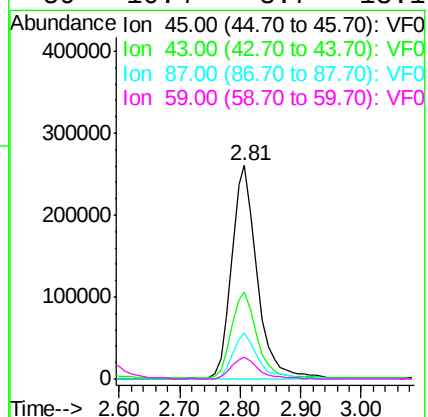
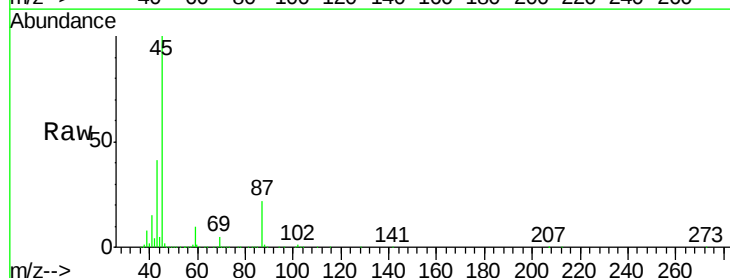
Ion Ratio Lower Upper

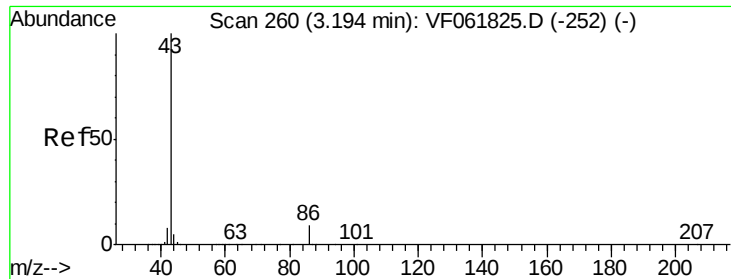
45 100

43 40.6 31.4 47.2

87 21.9 16.3 24.5

59 10.4 8.7 13.1





#23

Vinyl Acetate

Concen: 467.215 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

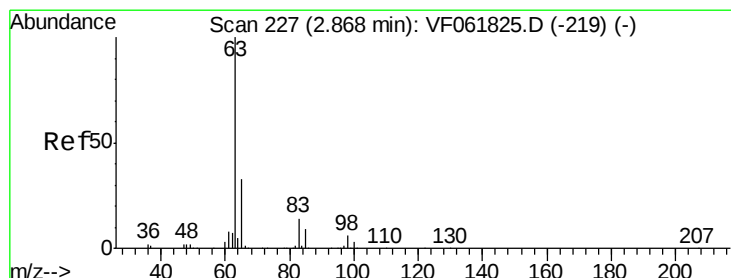
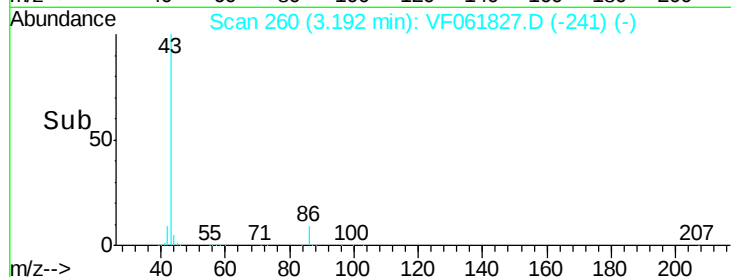
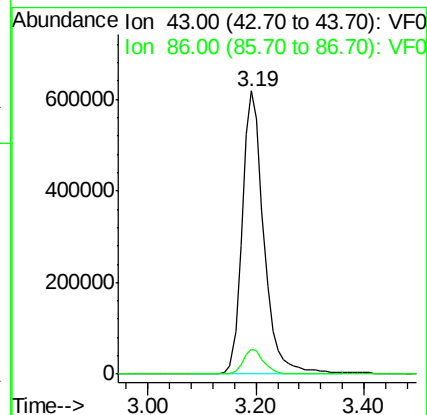
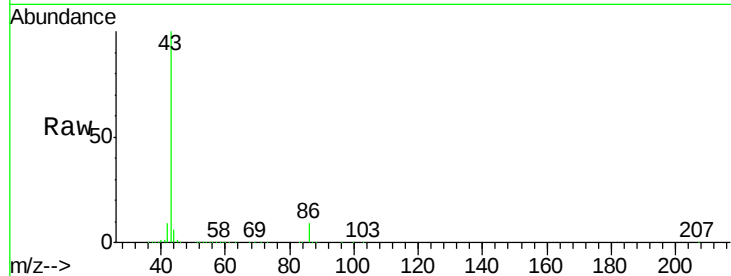
VSTDIC100

Tot Ion: 43 Resp: 1723346

Ion Ratio Lower Upper

43 100

86 9.0 7.5 11.3



#24

1,1-Dichloroethane

Concen: 95.499 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

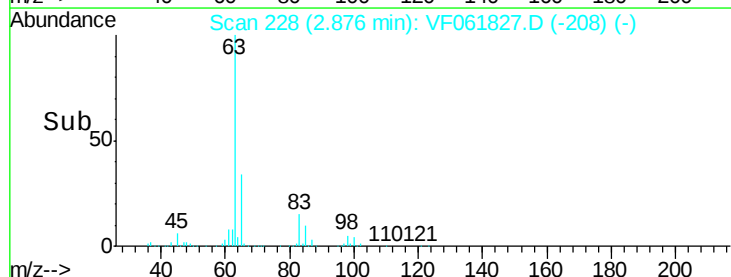
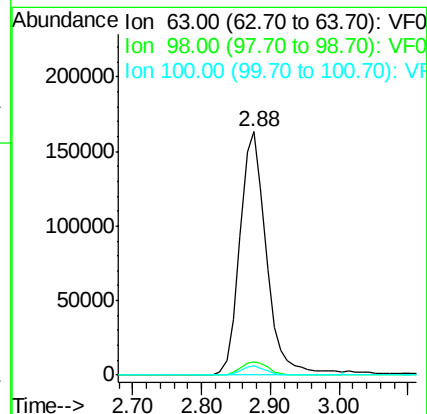
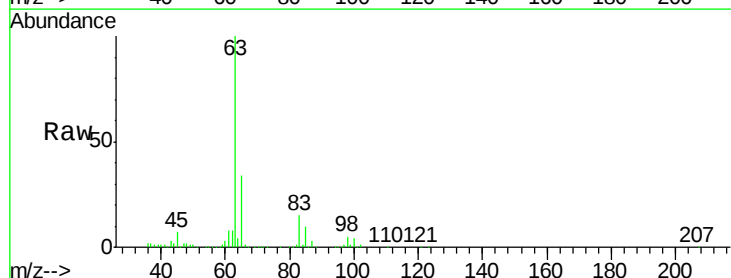
Tgt Ion: 63 Resp: 436443

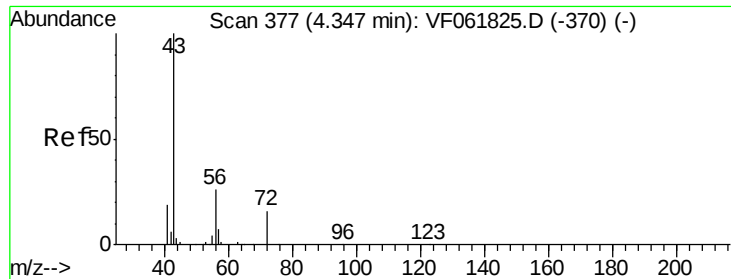
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 488.348 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

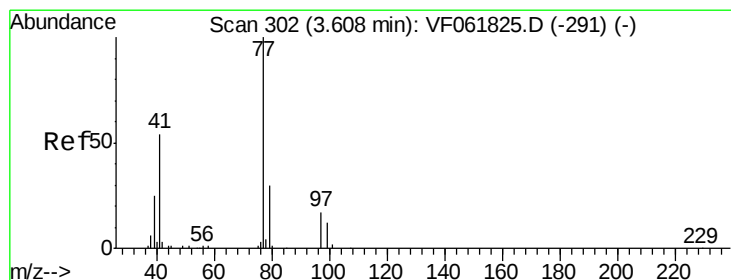
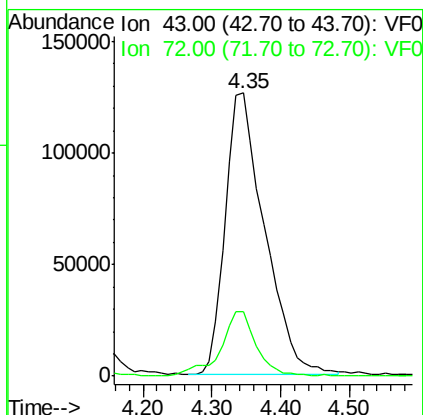
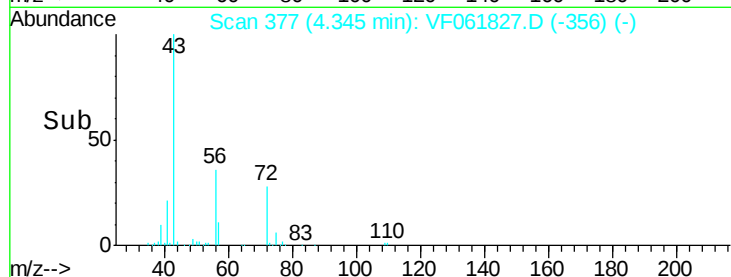
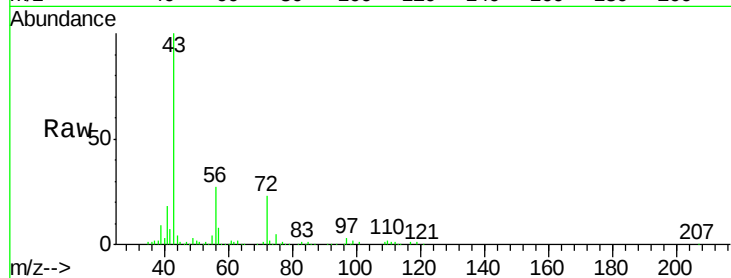
VSTDIC100

Tot Ion: 43 Resp: 502142

Ion Ratio Lower Upper

43 100

72 23.0 17.1 25.7



#26

2,2-Dichloropropane

Concen: 97.243 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061827.D

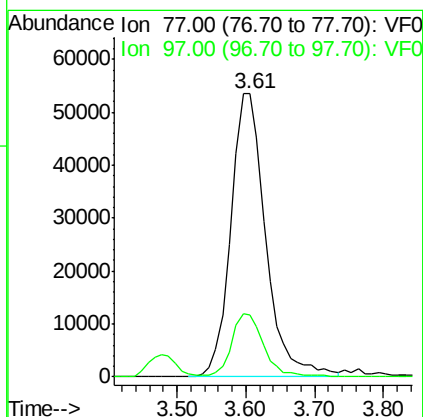
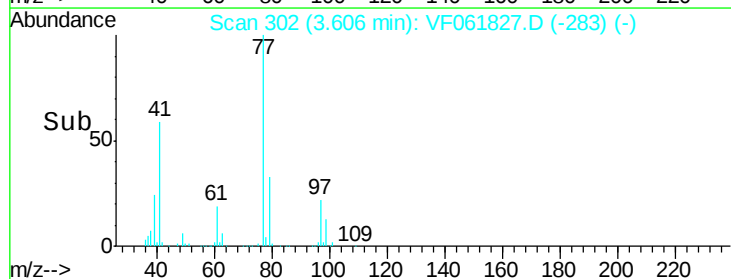
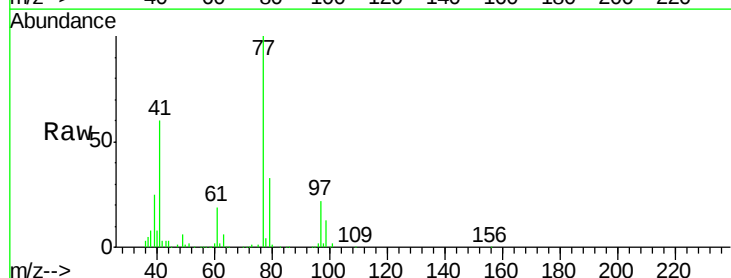
Acq: 4 Mar 2019 18:27

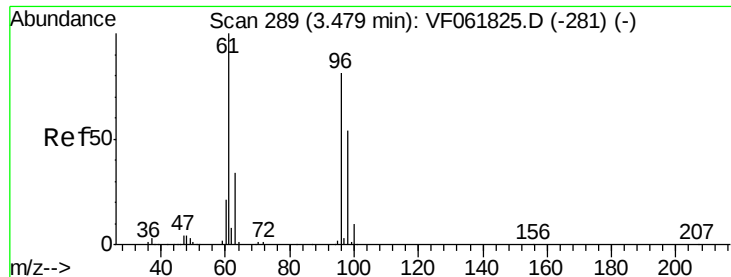
Tgt Ion: 77 Resp: 188245

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0



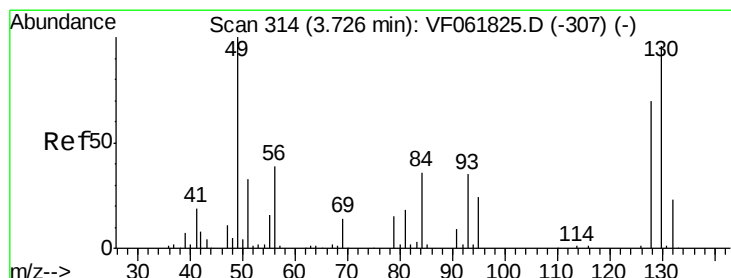
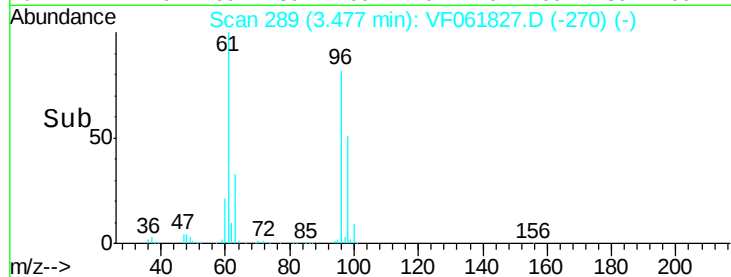
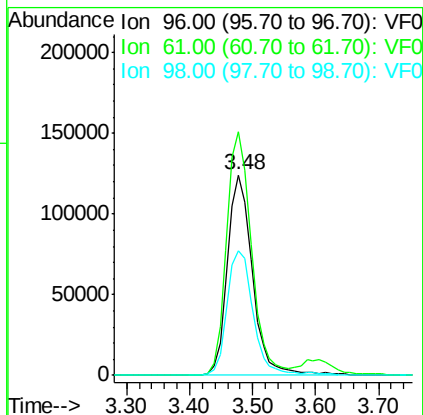
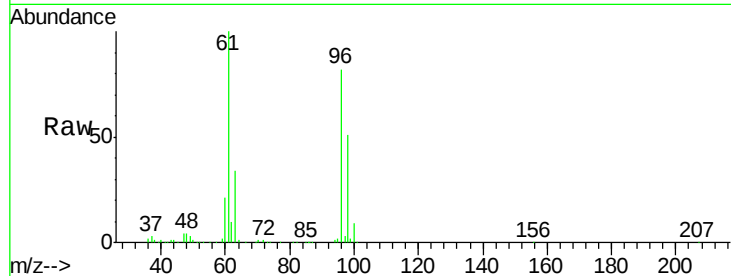


#27

cis-1,2-Dichloroethene
 Concen: 93.337 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

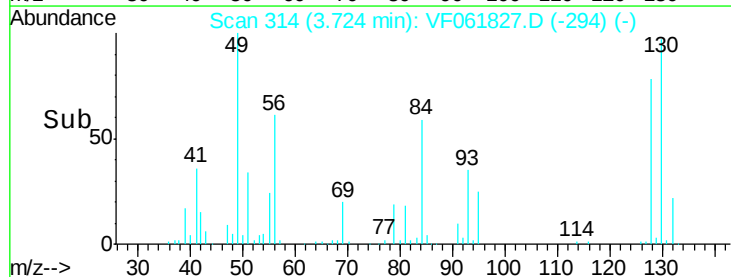
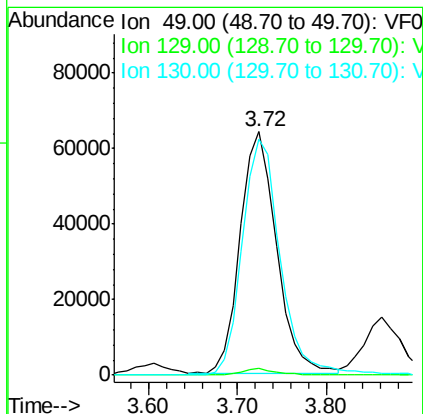
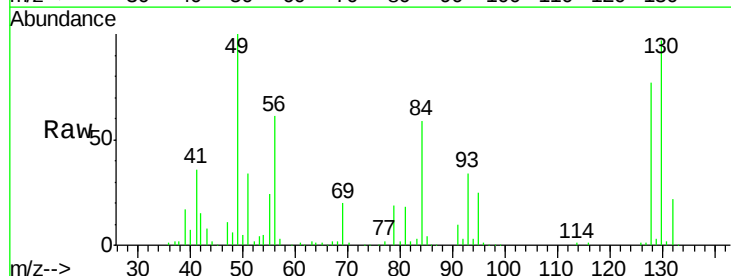
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.7	0.0	241.6
98	62.4	0.0	130.2

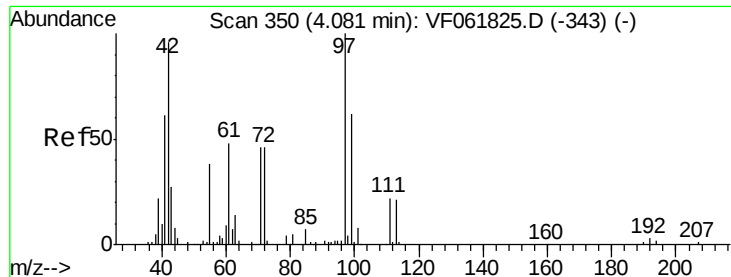


#28

Bromochloromethane
 Concen: 82.636 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.4
130	96.7	77.7	116.5

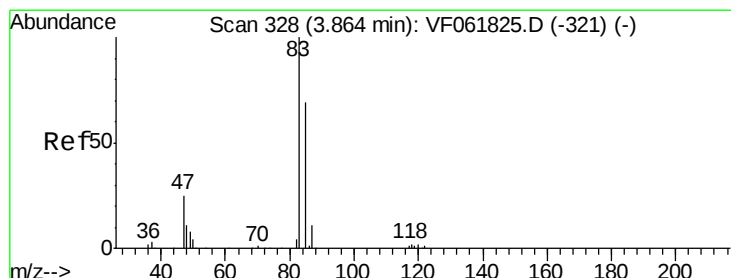
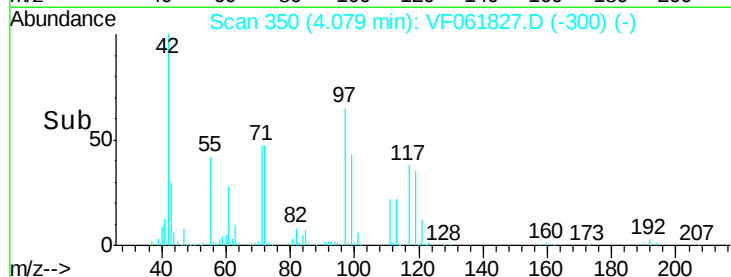
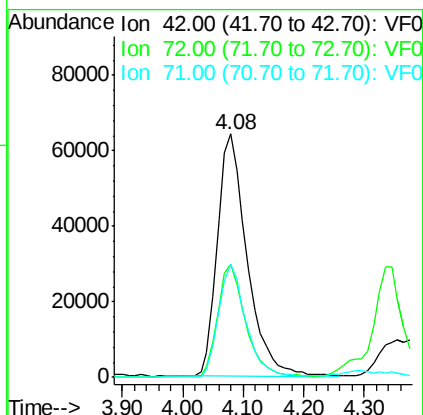
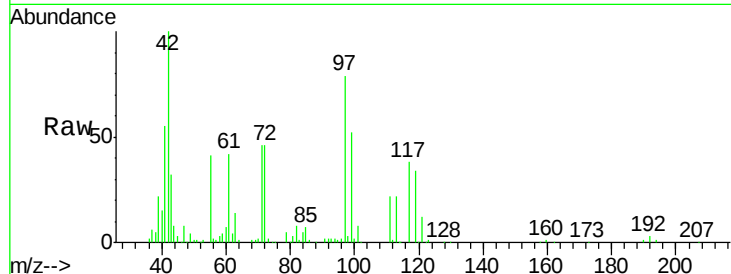




#29
Tetrahydrofuran
Concen: 468.124 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

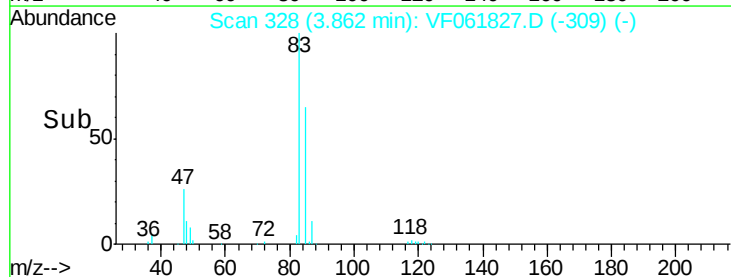
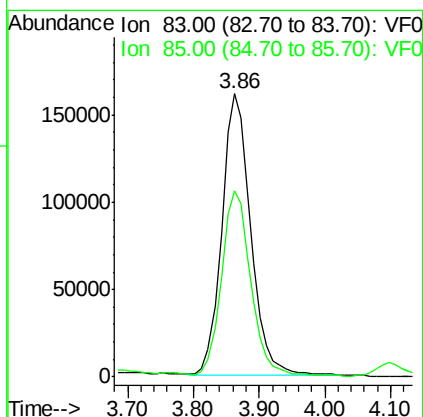
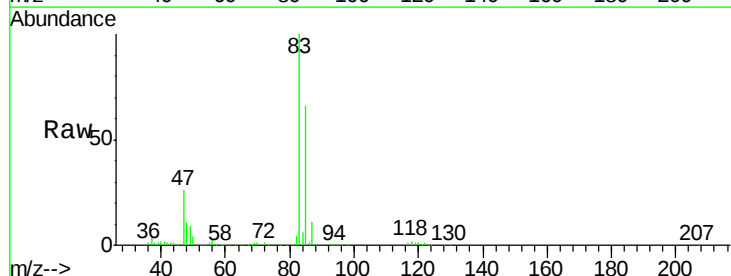
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

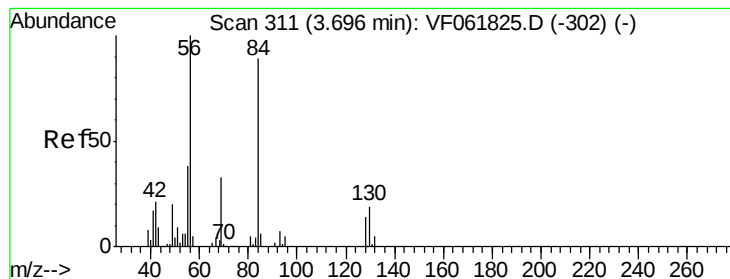
Tot Ion: 42 Resp: 218776
Ion Ratio Lower Upper
42 100
72 43.4 35.2 52.8
71 43.6 32.9 49.3



#30
Chloroform
Concen: 94.578 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 83 Resp: 491549
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7





#31

Cyclohexane

Concen: 50.201 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

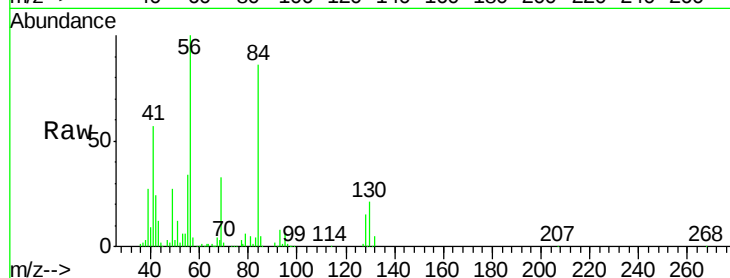
Tot Ion: 56 Resp: 248362

Ion Ratio Lower Upper

56 100

69 33.4 23.8 35.8

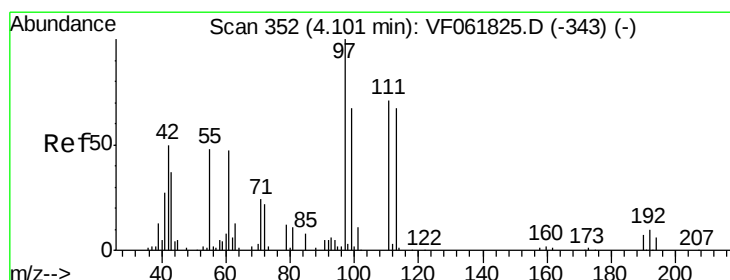
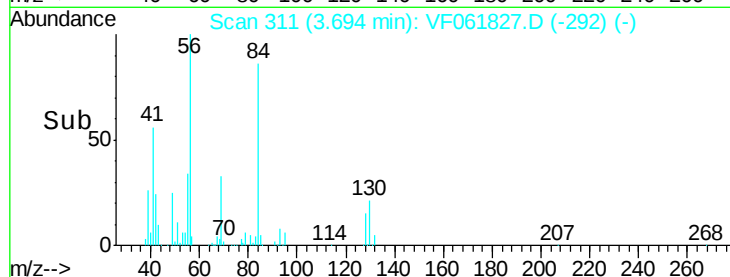
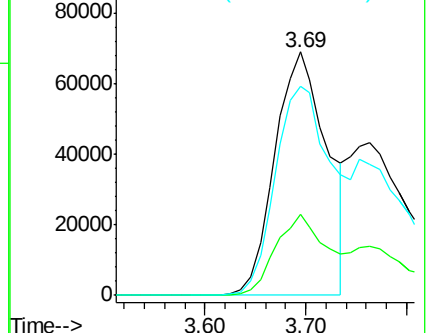
84 85.7 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 93.003 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

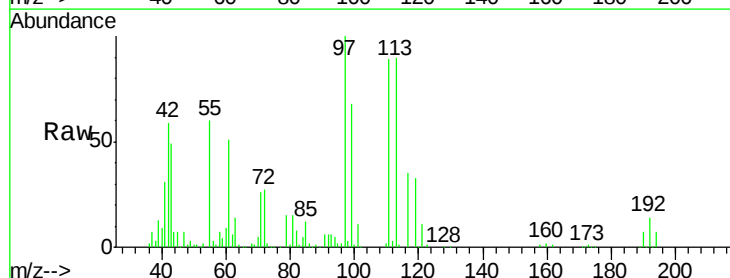
Tgt Ion: 97 Resp: 316633

Ion Ratio Lower Upper

97 100

99 68.1 52.2 78.2

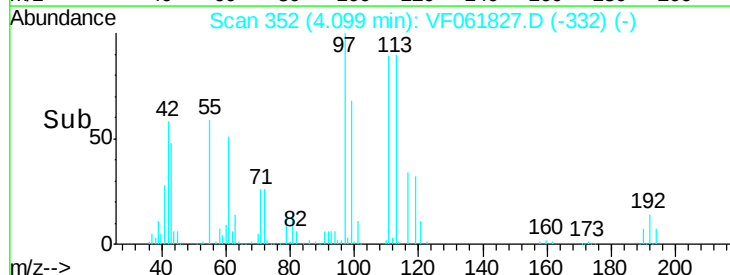
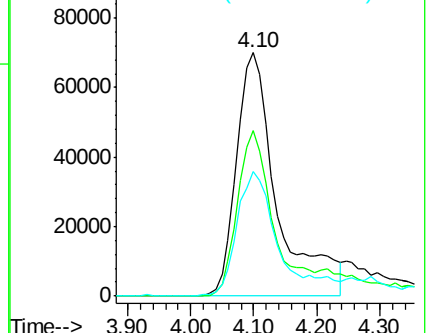
61 51.1 39.2 58.8

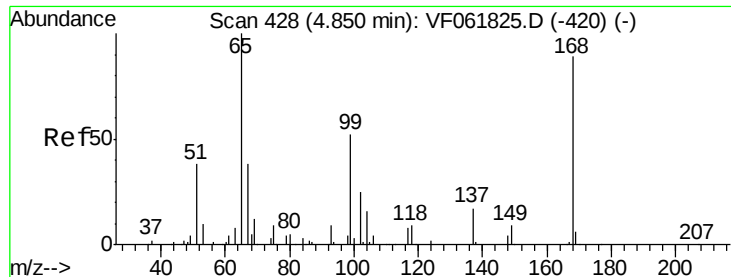


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 105.237 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

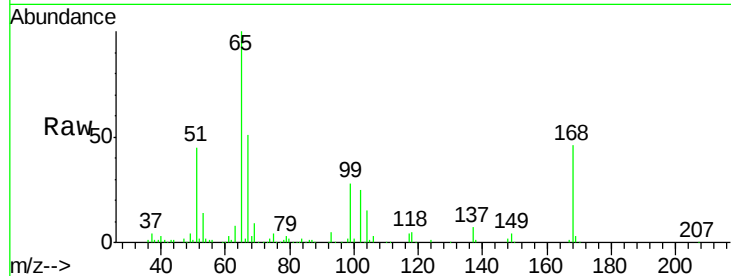
VSTDIC100

Tot Ion: 65 Resp: 230894

Ion Ratio Lower Upper

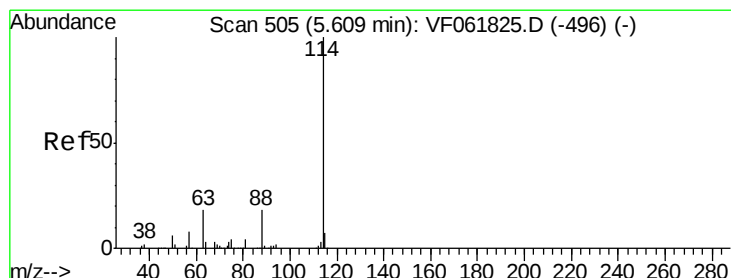
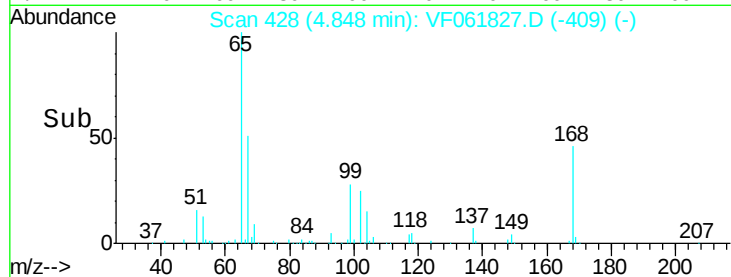
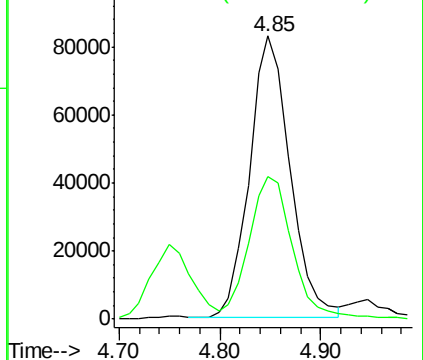
65 100

67 50.6 0.0 104.0



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: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

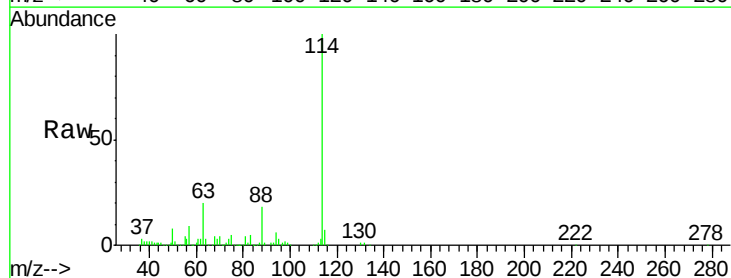
Tgt Ion:114 Resp: 456463

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.6

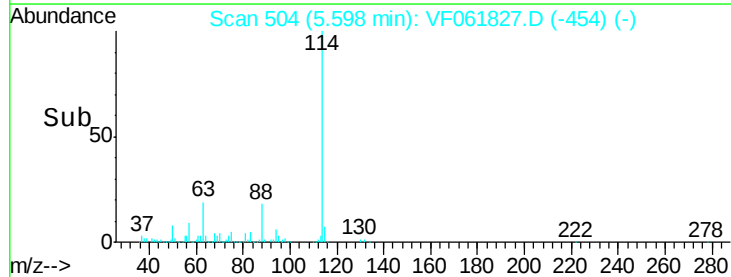
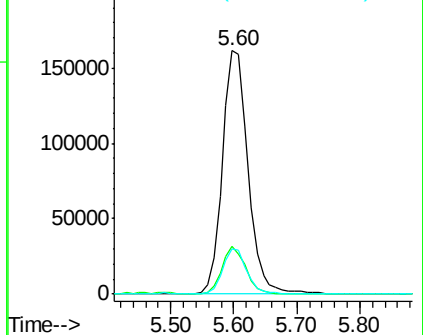
88 18.3 0.0 34.4

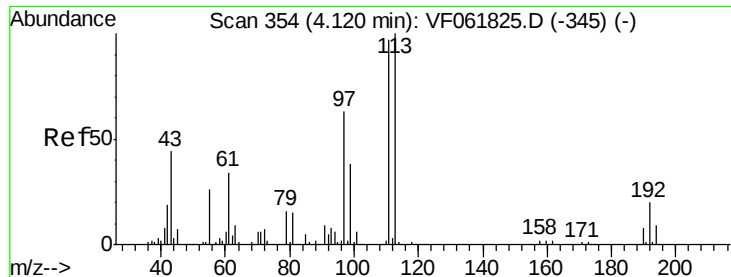


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 93.930 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

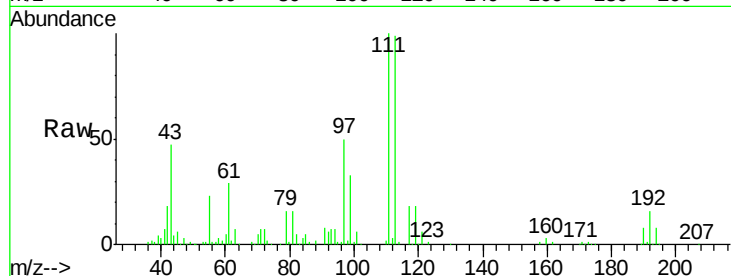
Tot Ion:113 Resp: 318397

Ion Ratio Lower Upper

113 100

111 100.8 78.8 118.2

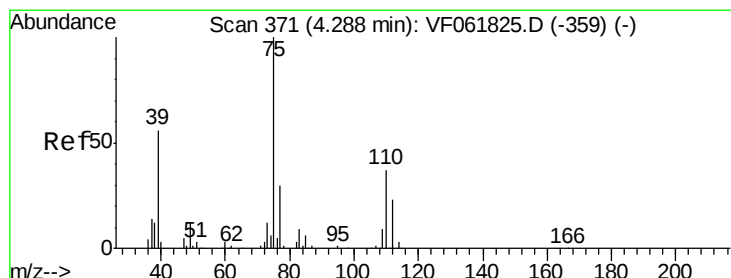
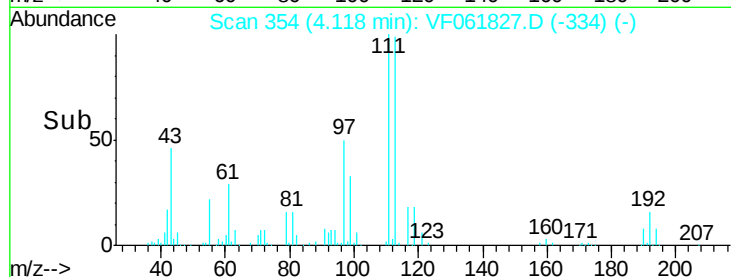
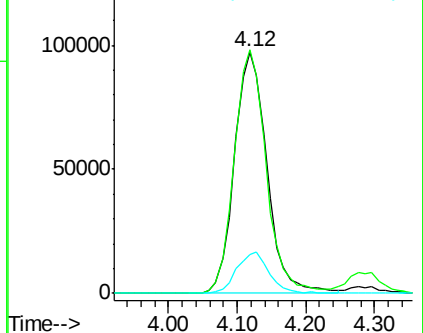
192 16.7 13.4 20.0



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: 89.339 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

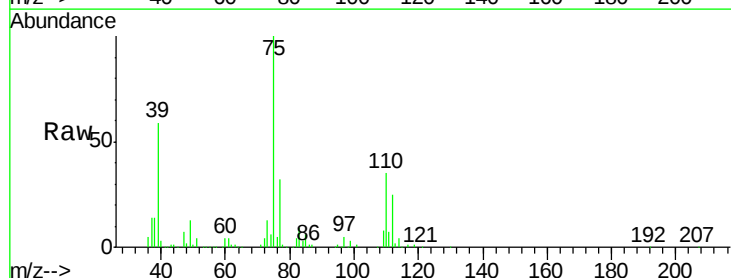
Tgt Ion: 75 Resp: 403974

Ion Ratio Lower Upper

75 100

110 35.4 20.5 61.6

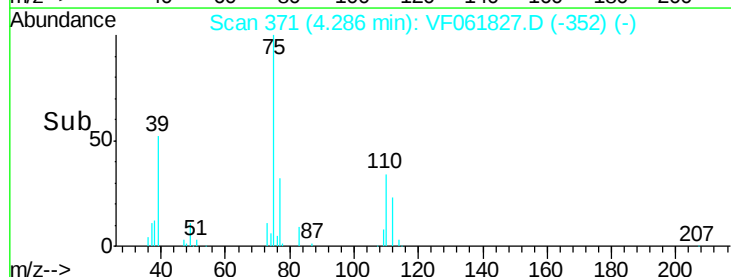
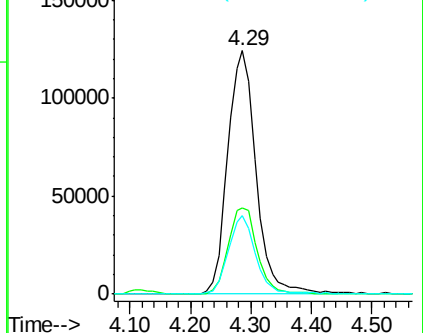
77 32.1 27.0 40.4

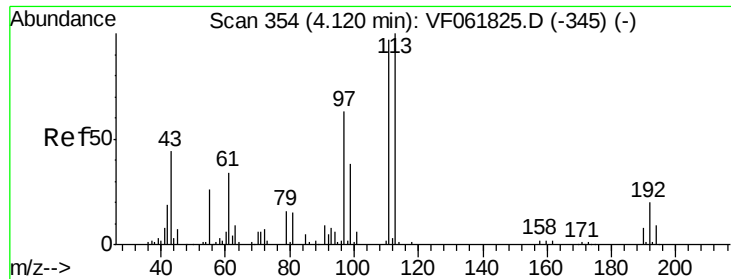


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 89.488 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

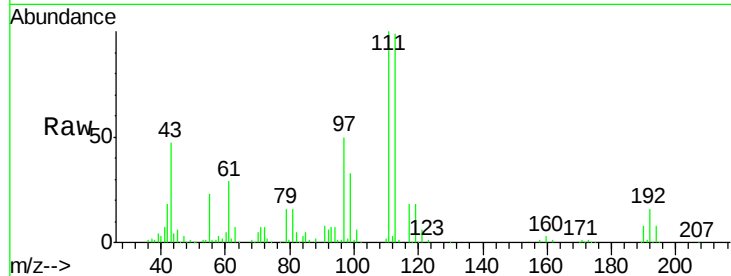
Tot Ion: 43 Resp: 187950

Ion Ratio Lower Upper

43 100

61 62.5 45.7 68.5

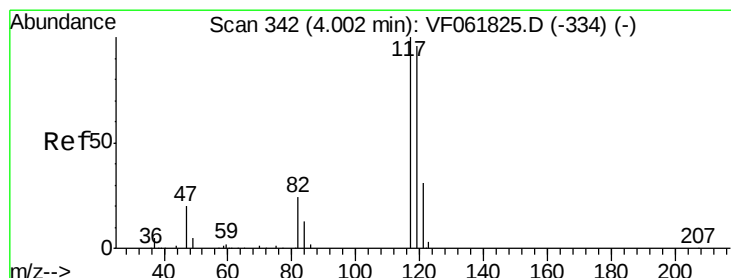
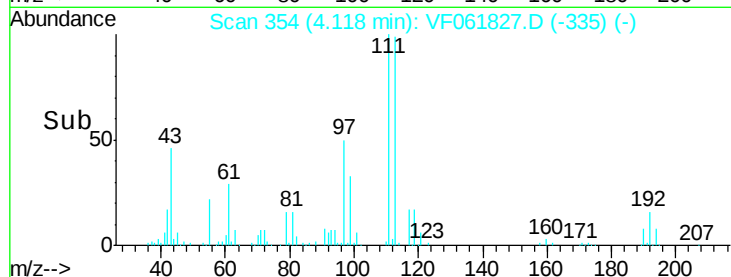
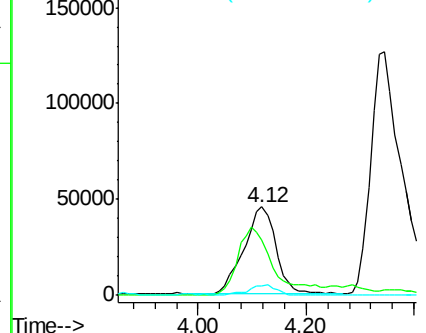
70 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 90.038 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

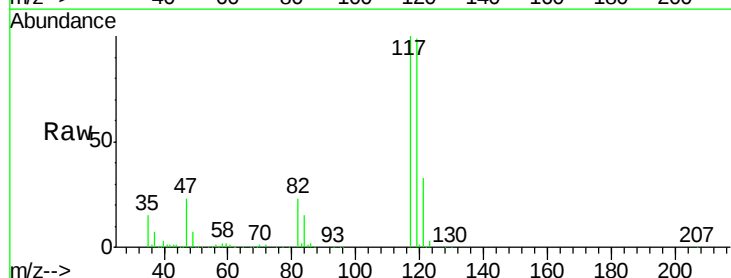
Tgt Ion: 117 Resp: 281132

Ion Ratio Lower Upper

117 100

119 98.6 75.6 113.4

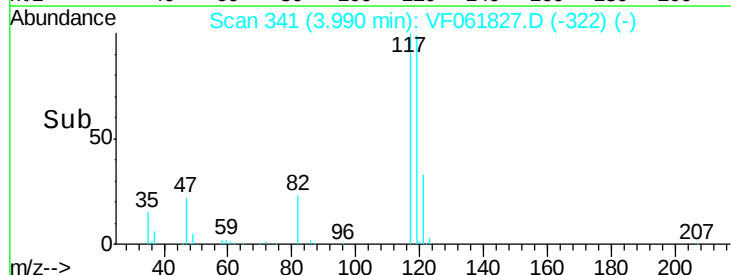
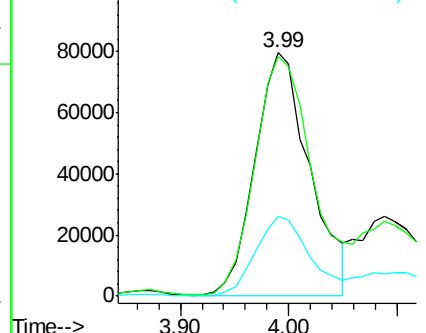
121 32.9 25.2 37.8

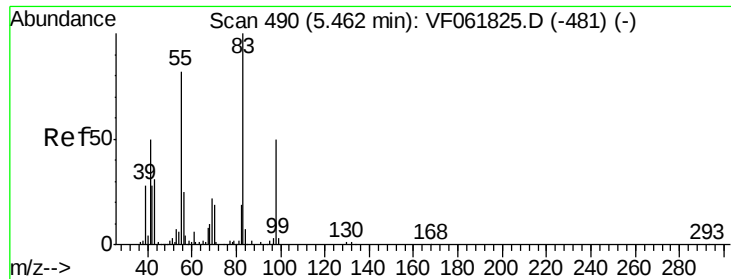


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

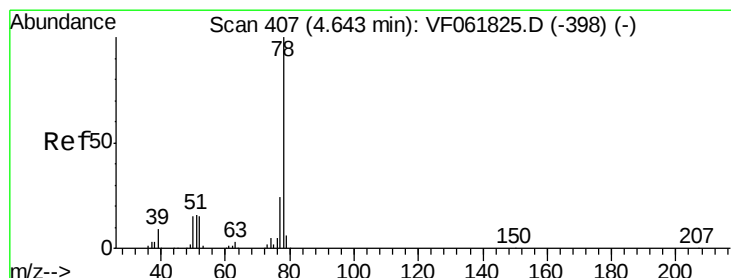
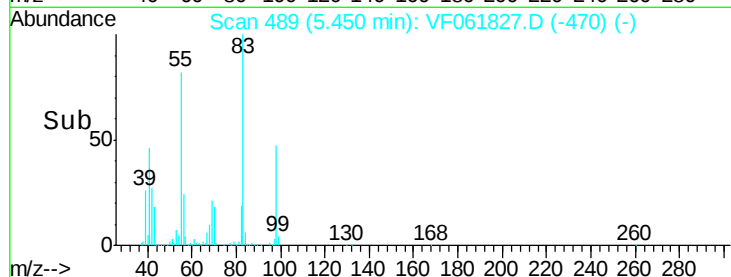
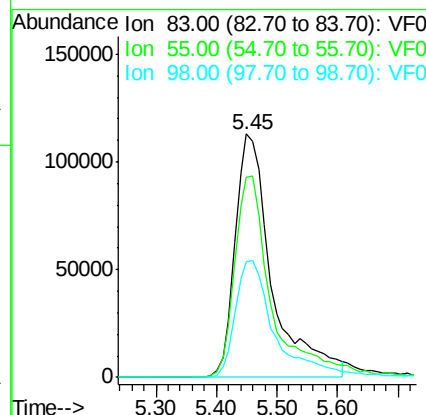
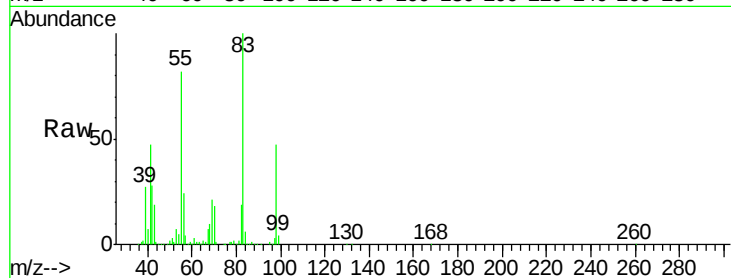




#39
Methvlcvclohexane
Concen: 89.858 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

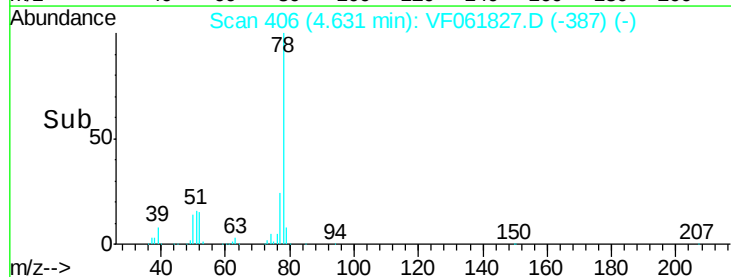
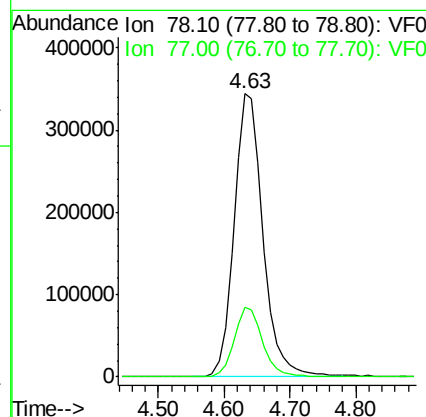
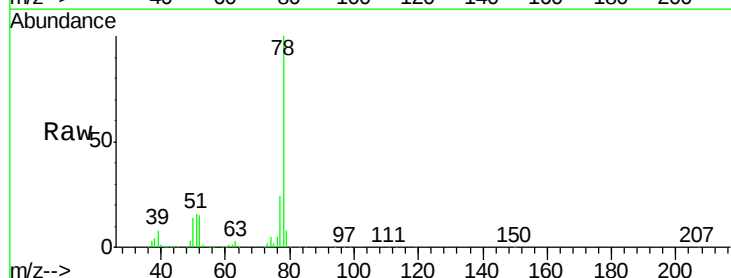
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

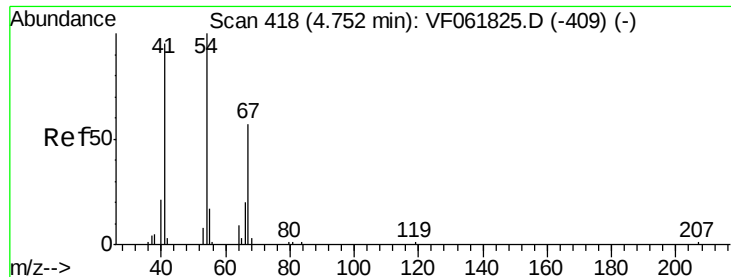
Tot Ion: 83 Resp: 480539
Ion Ratio Lower Upper
83 100
55 82.4 66.6 99.8
98 47.5 40.4 60.6



#40
Benzene
Concen: 89.422 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 78 Resp: 1057651
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

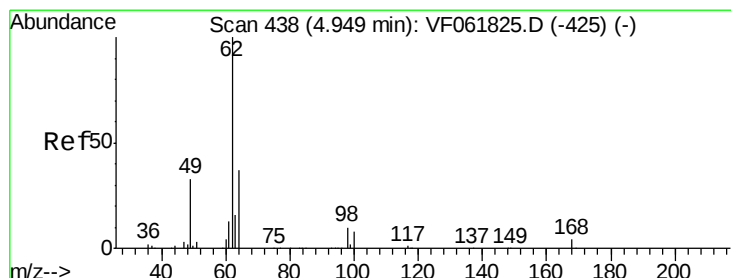
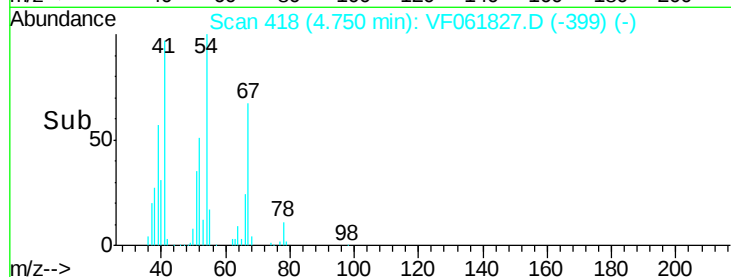
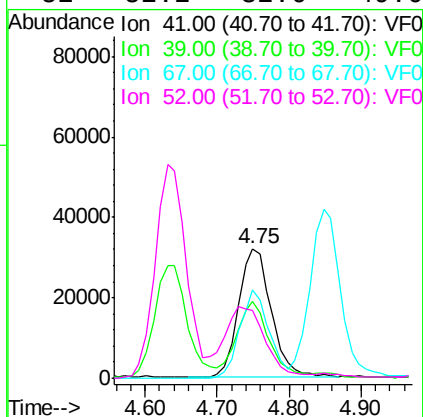
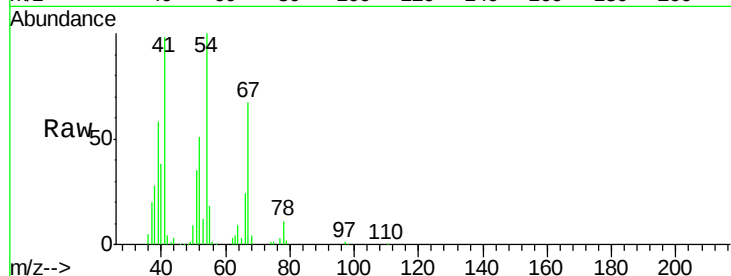




#41
Methacrylonitrile
Concen: 94.573 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

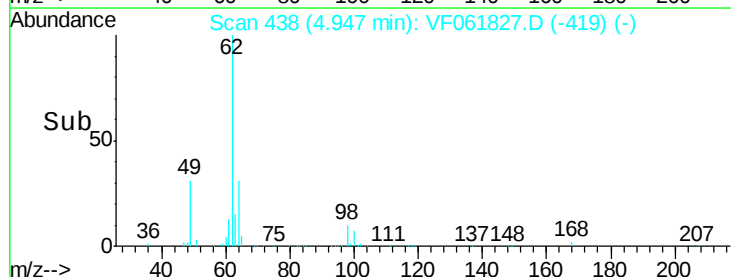
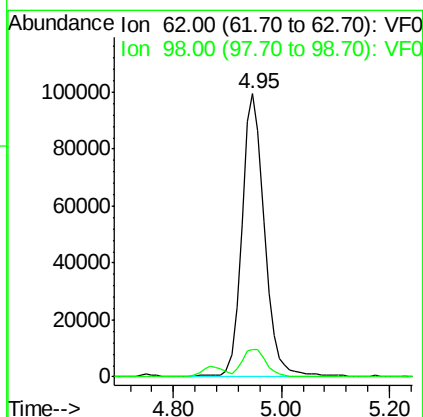
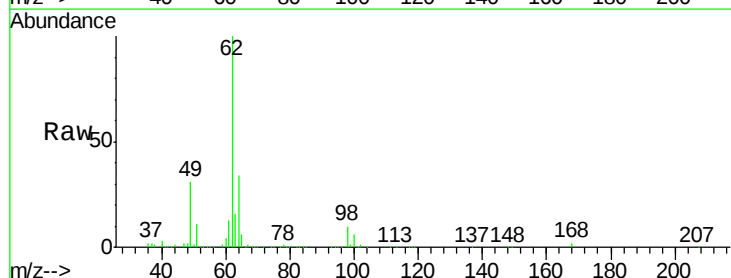
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

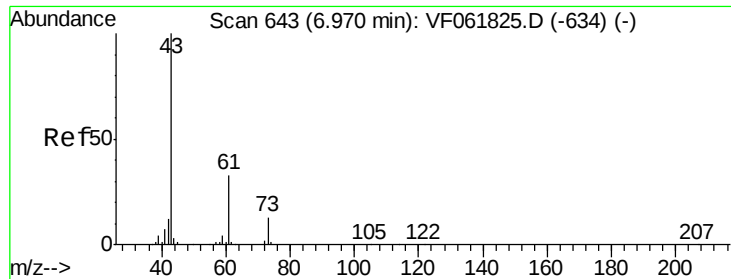
Tot Ion:	41	Resp:	101579
Ion	Ratio	Lower	Upper
41	100		
39	58.9	45.3	67.9
67	68.3	49.3	73.9
52	52.2	32.6	49.0



#42
1,2-Dichloroethane
Concen: 101.828 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion:	62	Resp:	288093
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	26.0



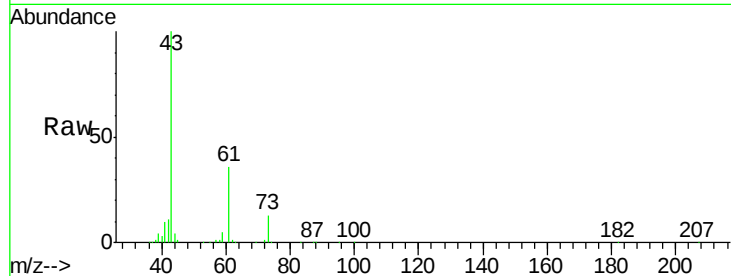


#43

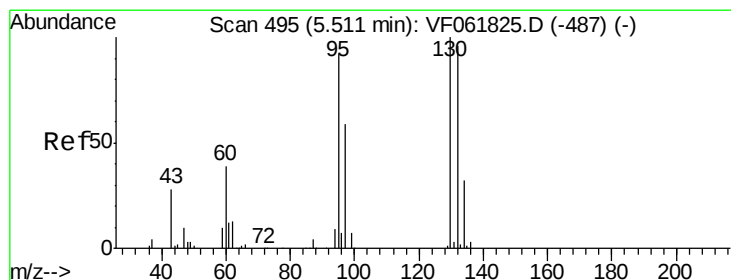
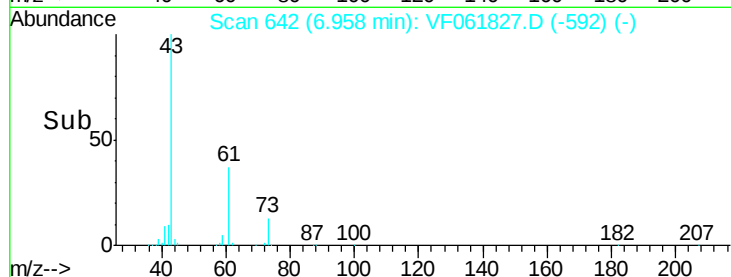
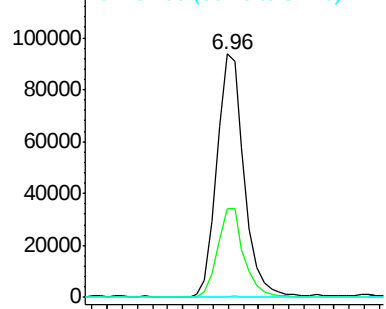
Isopropyl Acetate
 Concen: 94.090 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 233915
 Ion Ratio Lower Upper
 43 100
 61 36.5 25.8 38.6
 87 0.4 0.4 0.6



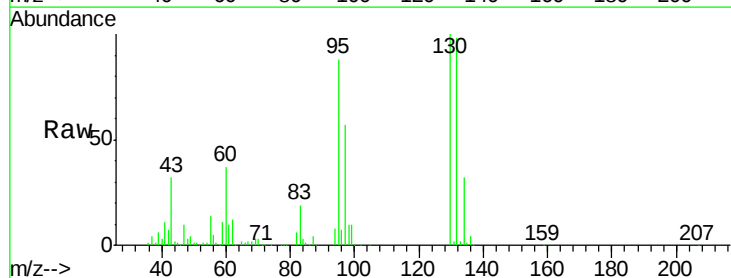
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



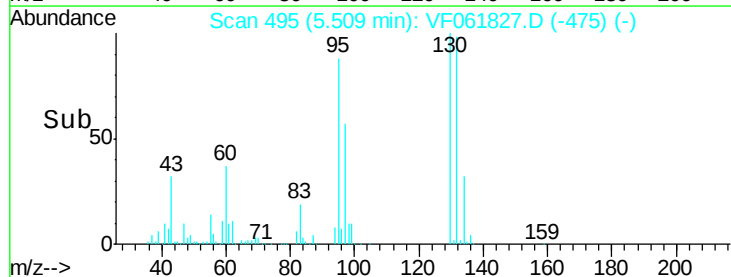
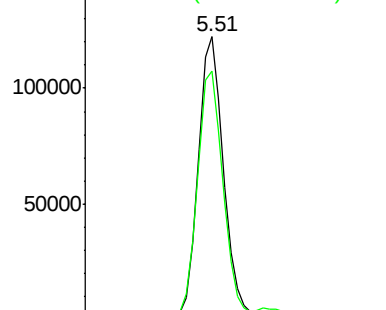
#44

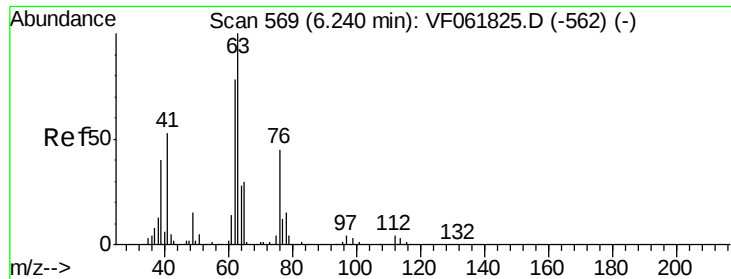
Trichloroethene
 Concen: 88.406 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion: 130 Resp: 338133
 Ion Ratio Lower Upper
 130 100
 95 88.0 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 92.207 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

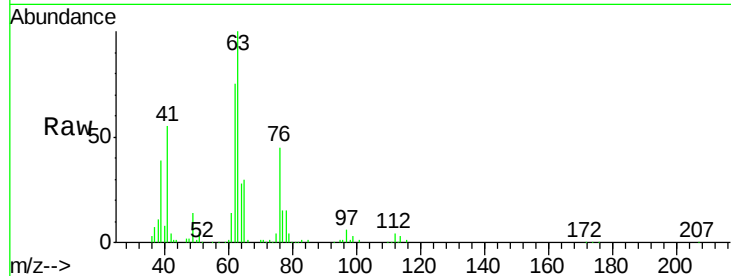
VSTDIC100

Tot Ion: 63 Resp: 263614

Ion Ratio Lower Upper

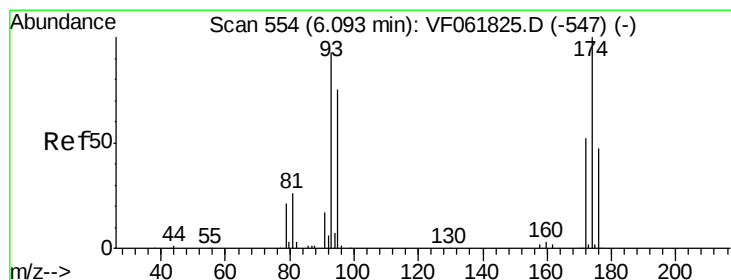
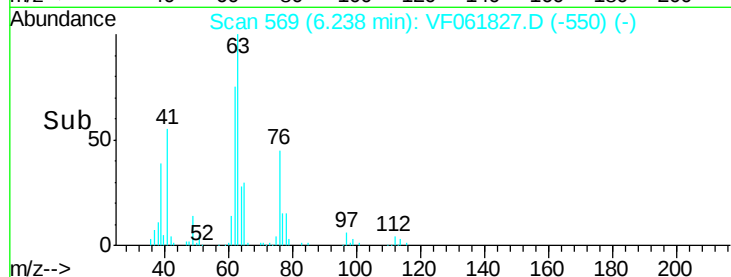
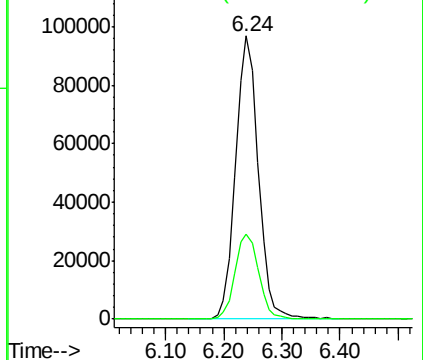
63 100

65 30.2 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 101.469 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

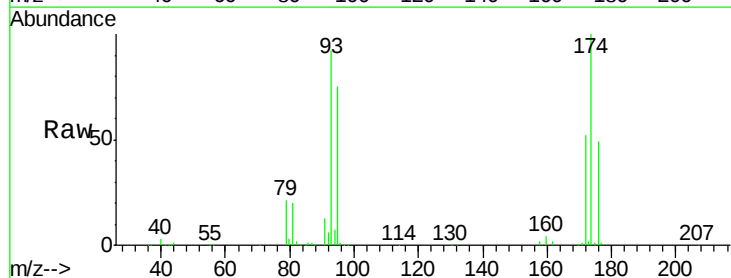
Tgt Ion: 93 Resp: 178612

Ion Ratio Lower Upper

93 100

95 81.4 69.0 103.6

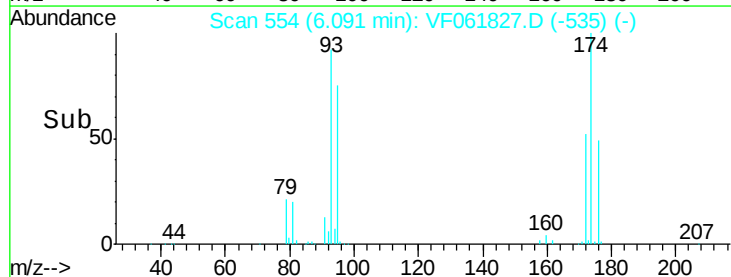
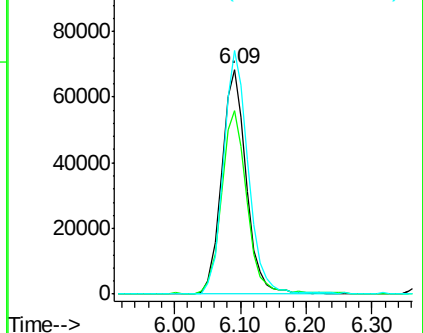
174 108.3 99.3 148.9

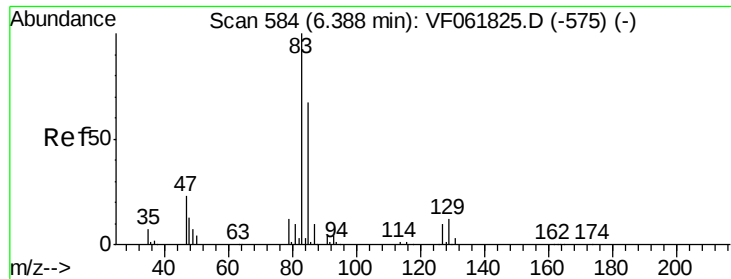


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 95.923 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

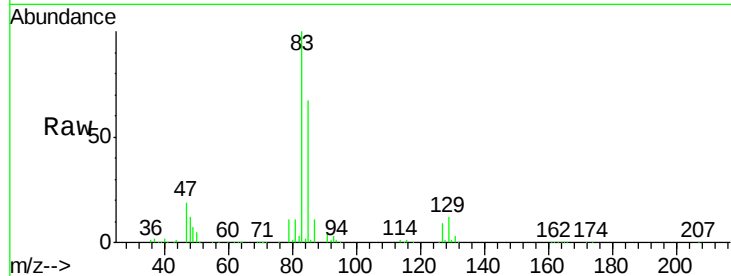
Tot Ion: 83 Resp: 369759

Ion Ratio Lower Upper

83 100

85 66.8 53.4 80.2

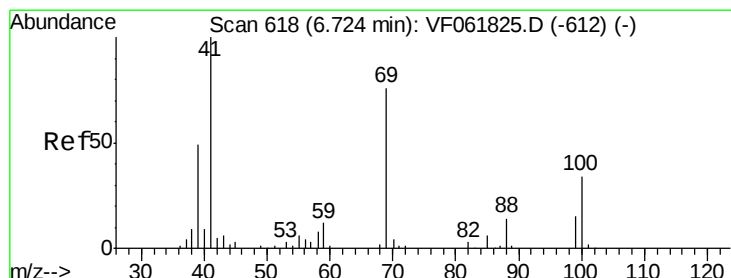
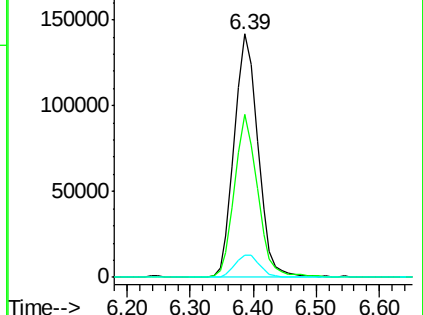
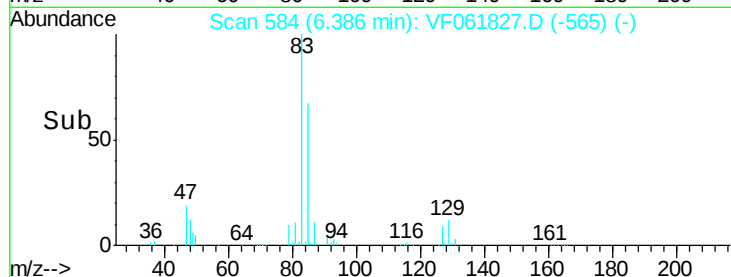
127 9.3 7.5 11.3



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: 101.749 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

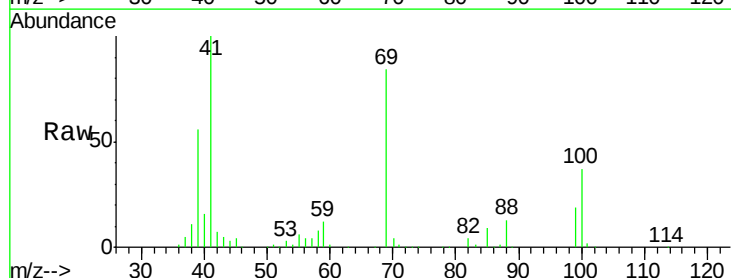
Tgt Ion: 41 Resp: 152226

Ion Ratio Lower Upper

41 100

69 84.4 60.4 90.6

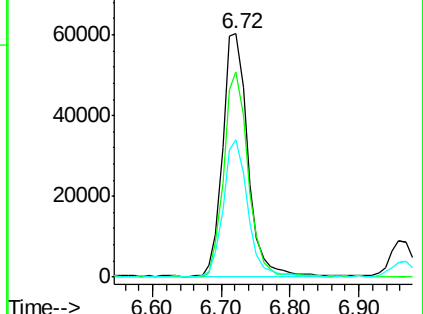
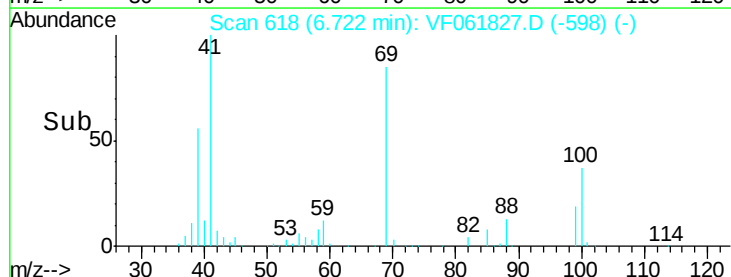
39 56.3 43.7 65.5

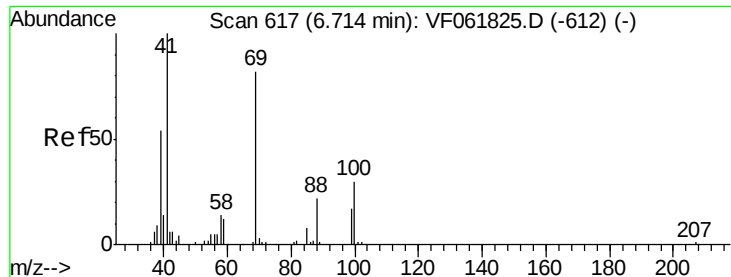


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

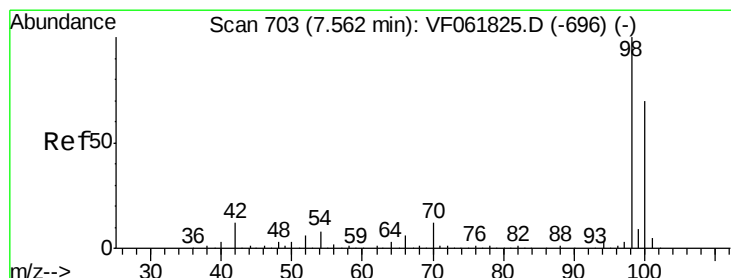
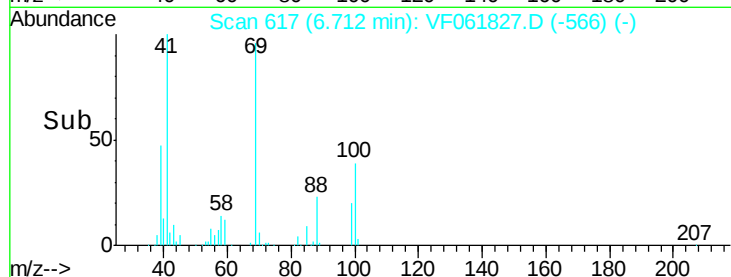
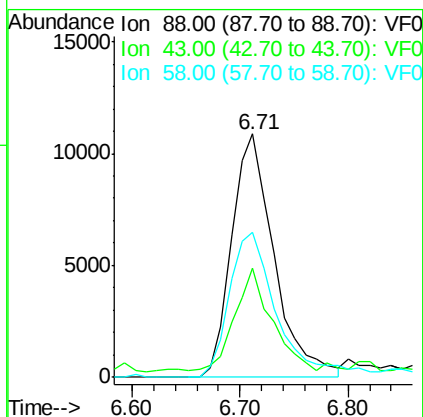
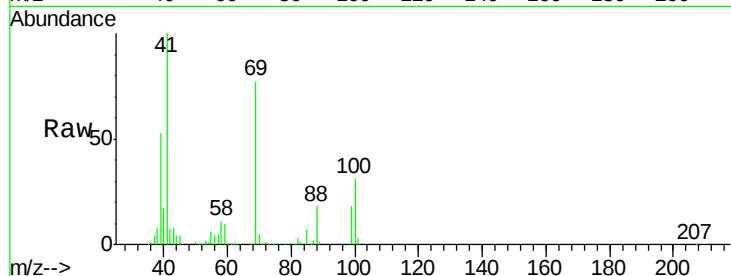




#49
1,4-Dioxane
Concen: 2116.325 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

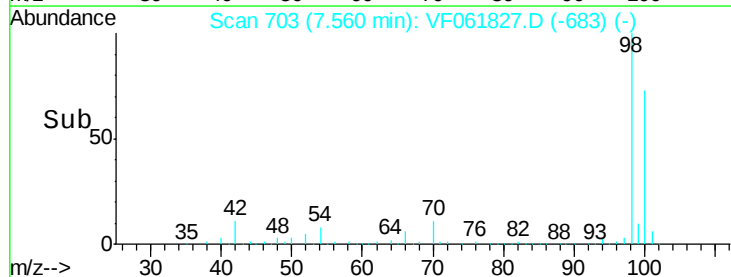
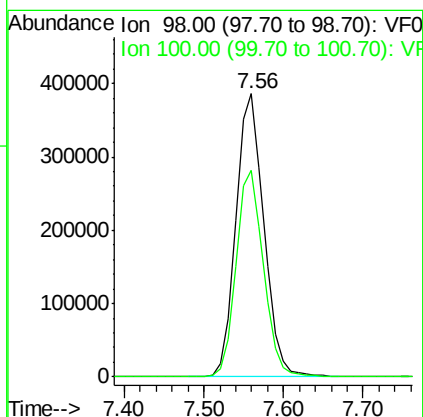
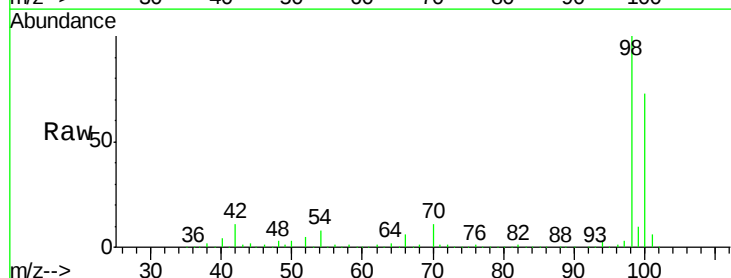
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

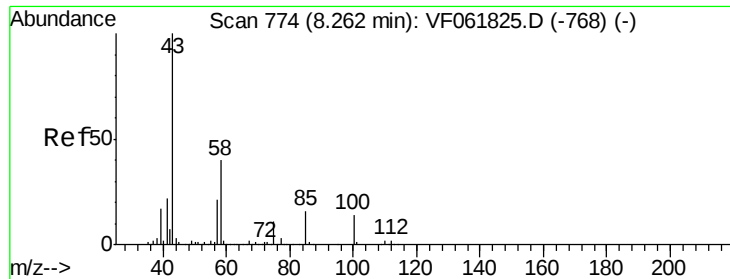
Tot Ion: 88 Resp: 29764
Ion Ratio Lower Upper
88 100
43 44.6 32.3 48.5
58 59.7 59.4 89.2



#50
Toluene-d8
Concen: 96.692 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 98 Resp: 942216
Ion Ratio Lower Upper
98 100
100 72.9 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 432.561 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

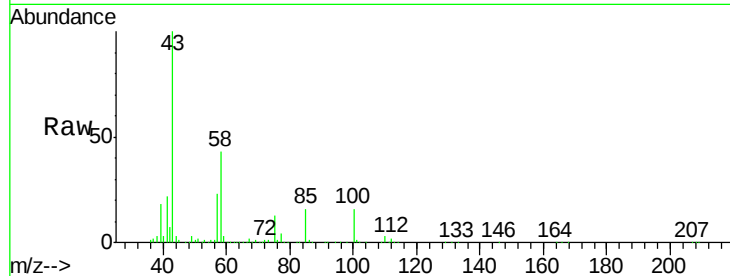
VSTDIC100

Tot Ion: 43 Resp: 768391

Ion Ratio Lower Upper

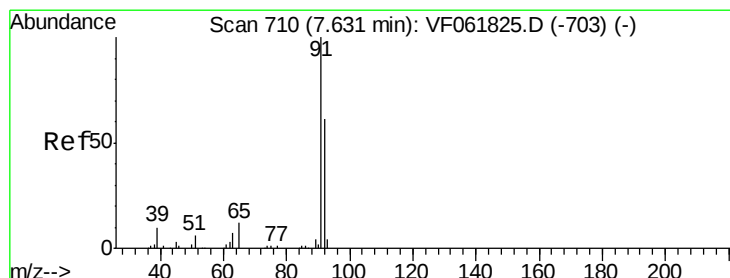
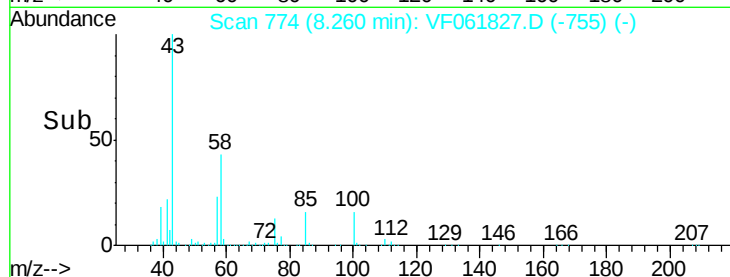
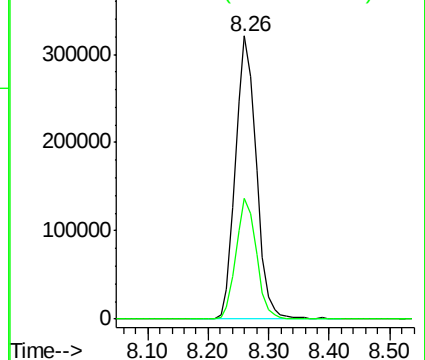
43 100

58 42.8 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 89.125 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061827.D

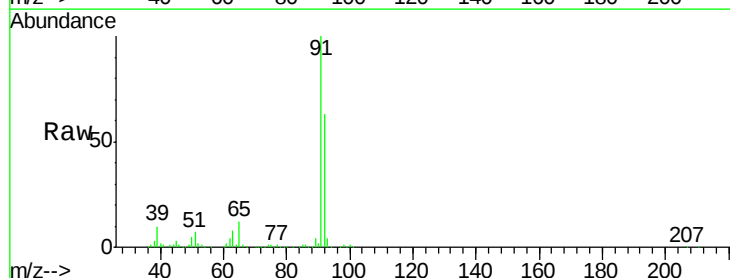
Acq: 4 Mar 2019 18:27

Tgt Ion: 92 Resp: 639316

Ion Ratio Lower Upper

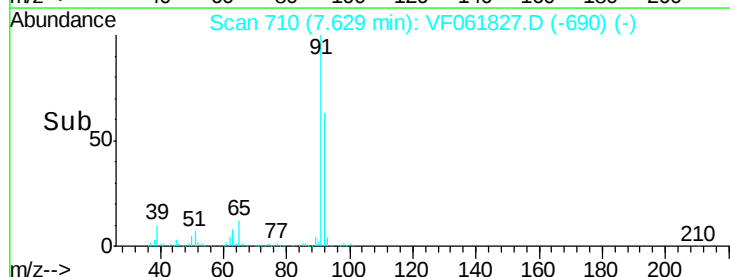
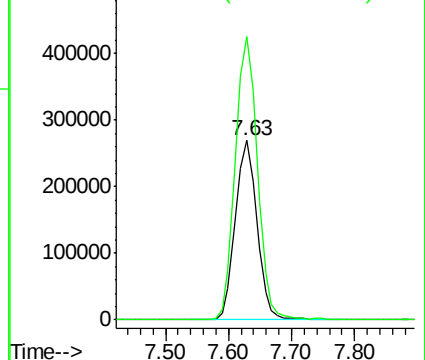
92 100

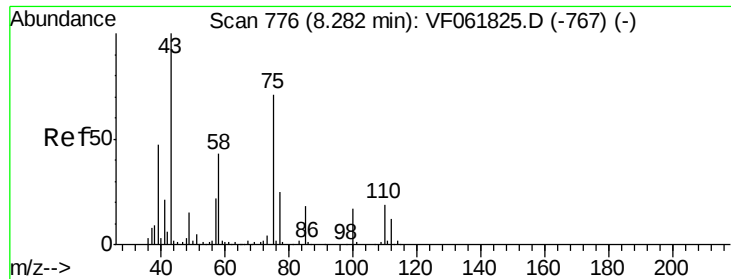
91 157.6 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

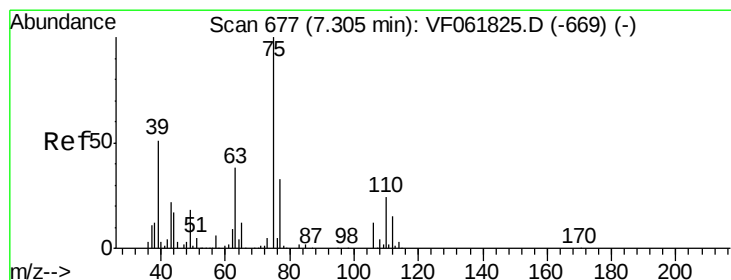
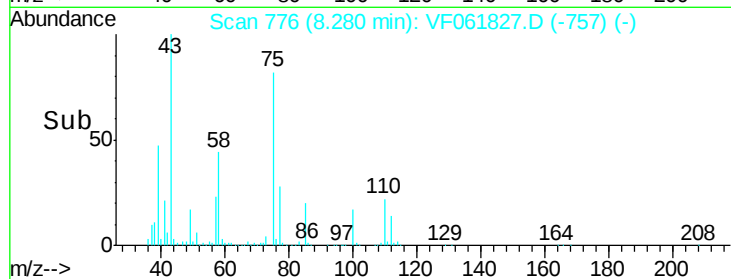
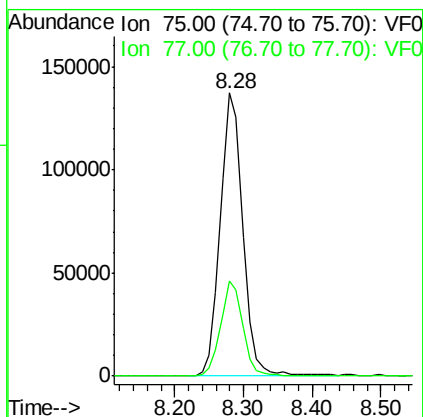
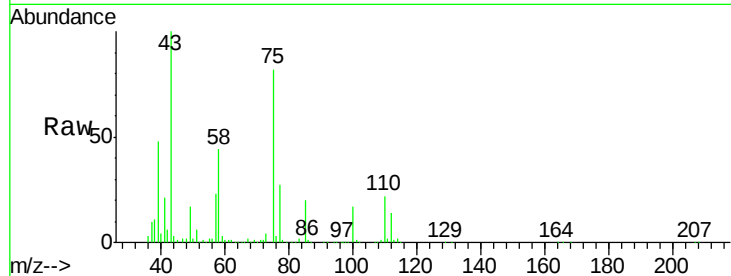




#53
 t-1,3-Dichloropropene
 Concen: 97.593 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

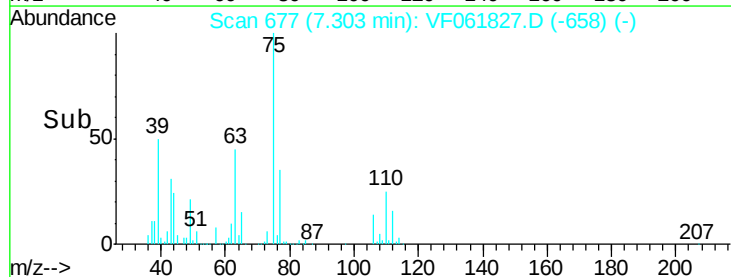
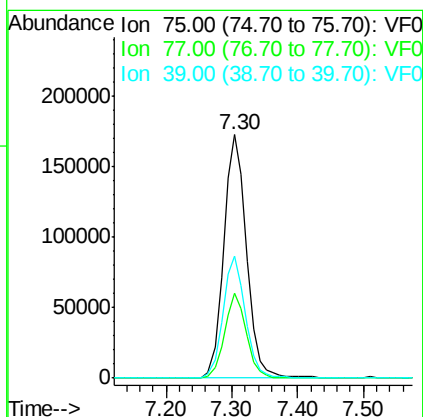
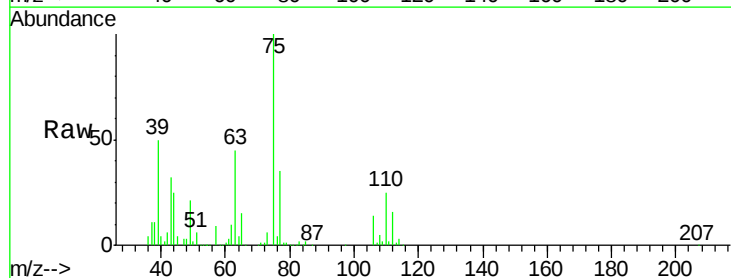
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

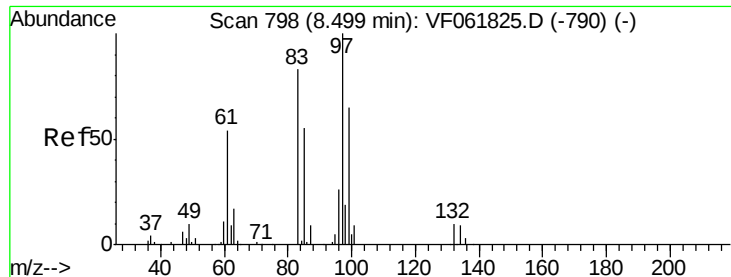
Tot Ion: 75 Resp: 313097
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 97.862 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion: 75 Resp: 418192
 Ion Ratio Lower Upper
 75 100
 77 34.9 26.4 39.6
 39 50.1 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 93.643 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 197359

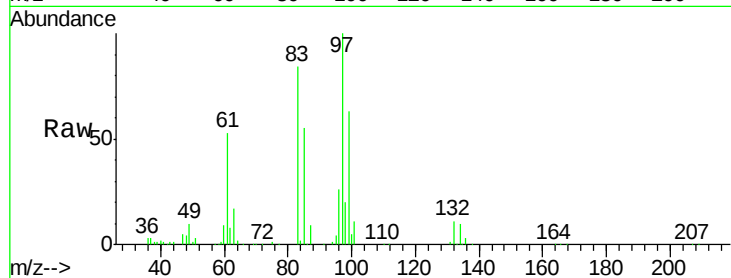
Ion Ratio Lower Upper

97 100

83 84.1 69.2 103.8

85 55.2 43.0 64.4

99 63.0 47.2 70.8

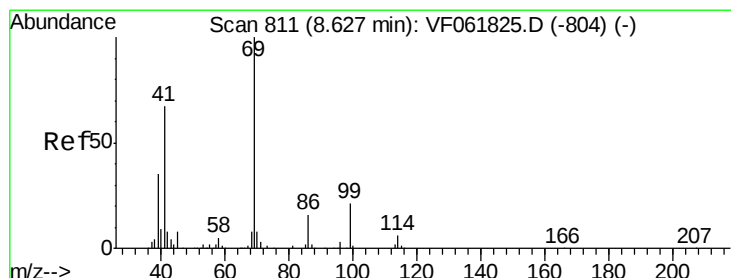
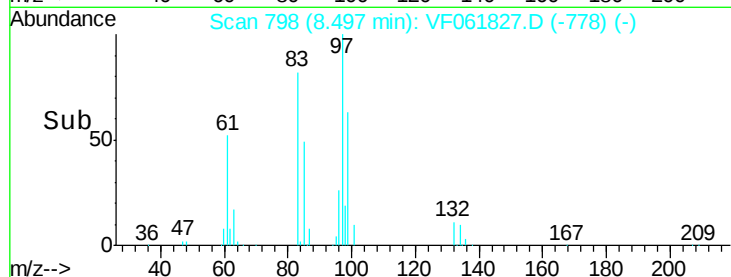
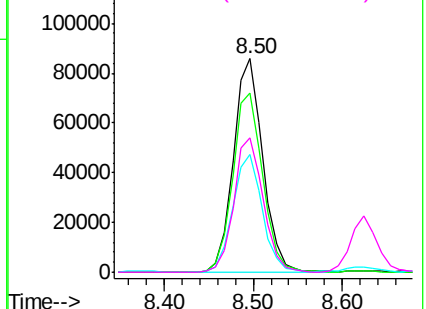


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 97.071 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

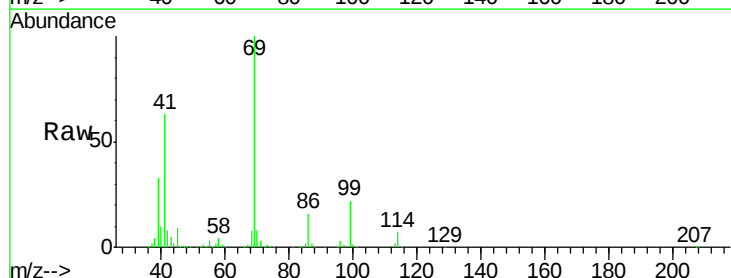
Tgt Ion: 69 Resp: 227773

Ion Ratio Lower Upper

69 100

41 62.8 52.9 79.3

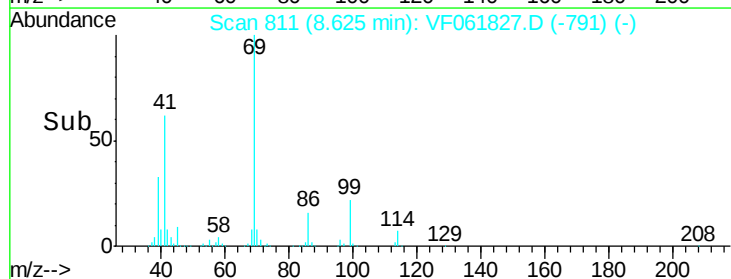
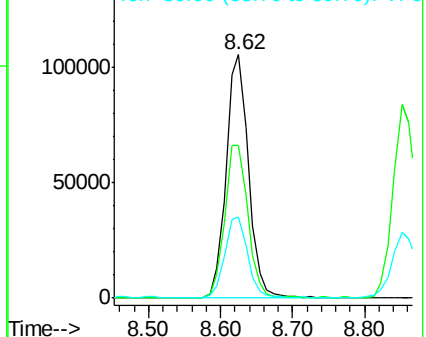
39 33.4 24.5 36.7

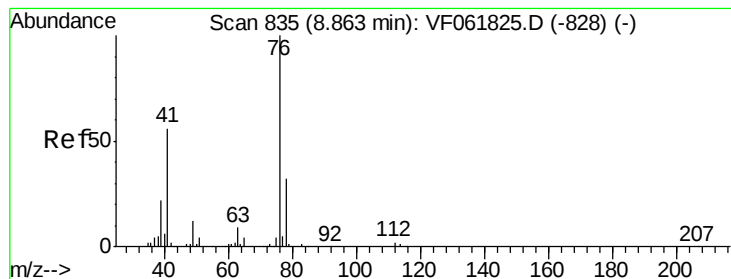


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 91.225 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

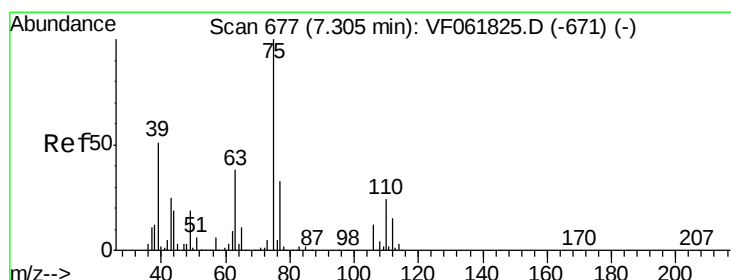
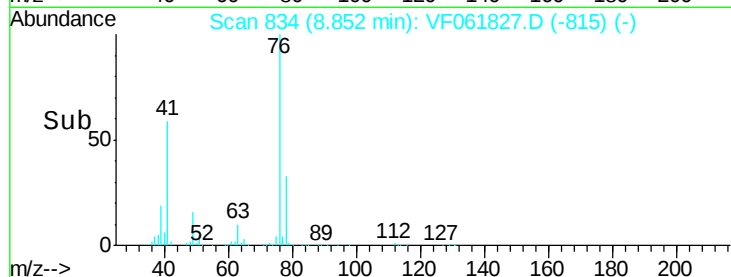
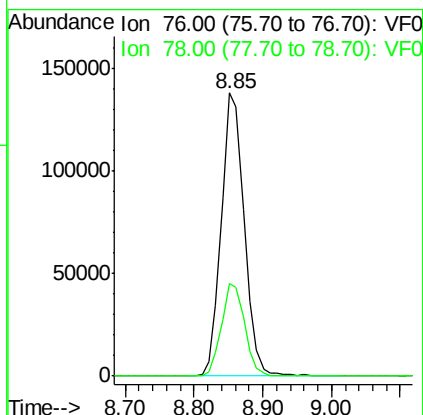
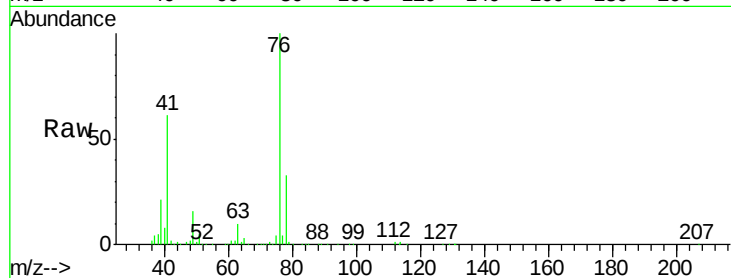
VSTDIC100

Tot Ion: 76 Resp: 320910

Ion Ratio Lower Upper

76 100

78 32.8 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 464.855 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061827.D

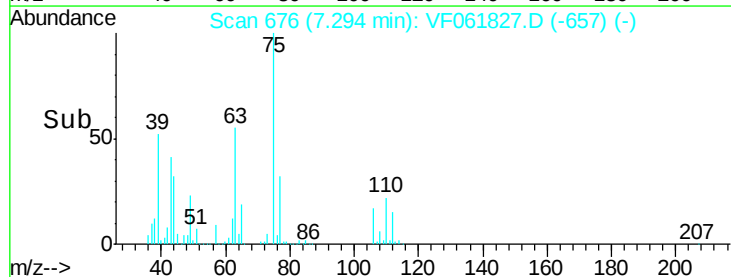
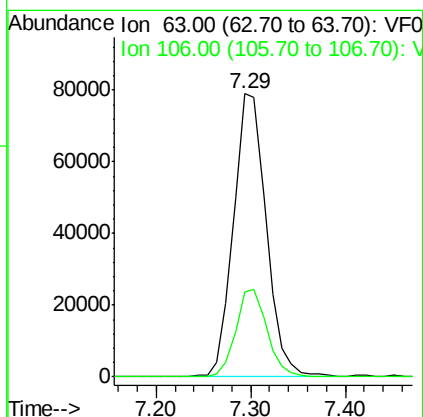
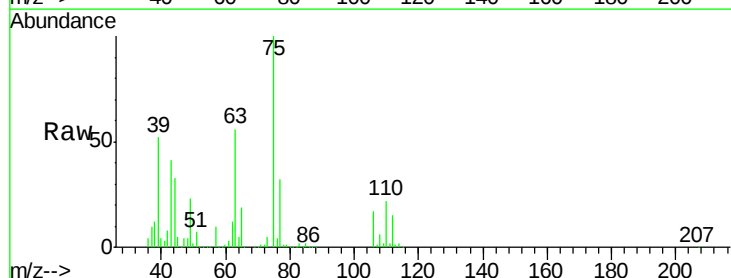
Acq: 4 Mar 2019 18:27

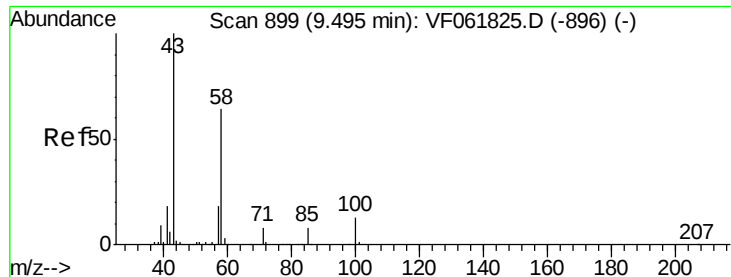
Tgt Ion: 63 Resp: 188197

Ion Ratio Lower Upper

63 100

106 30.1 24.6 36.8

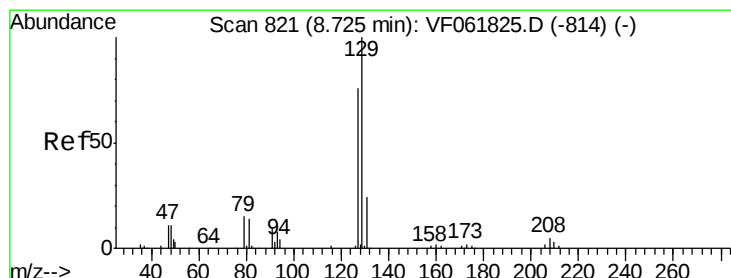
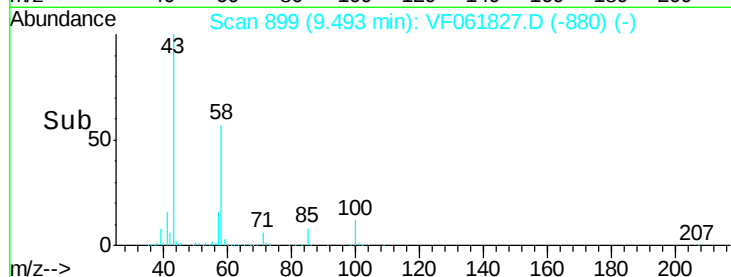
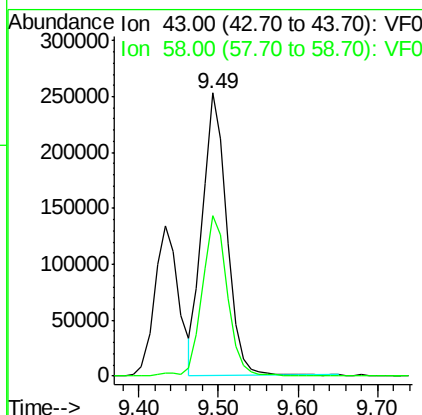
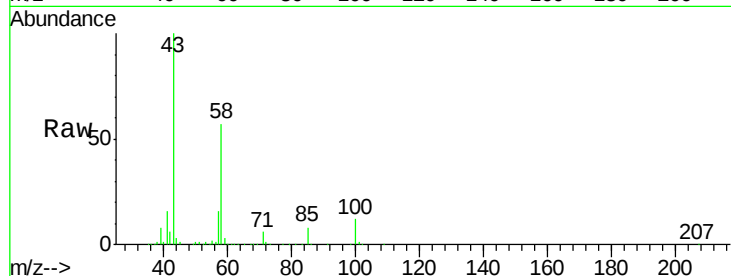




#59
2-Hexanone
Concen: 430.887 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

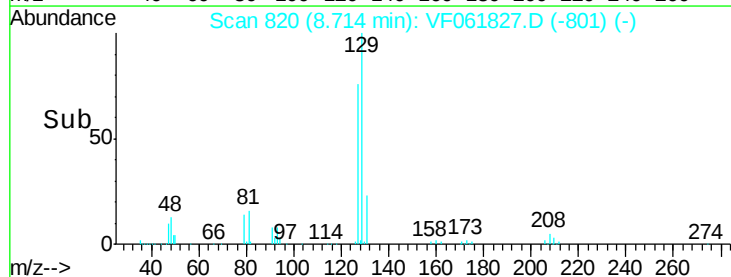
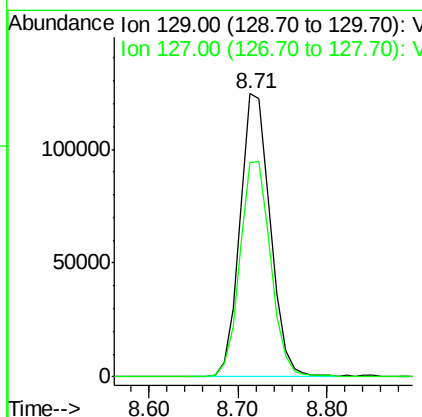
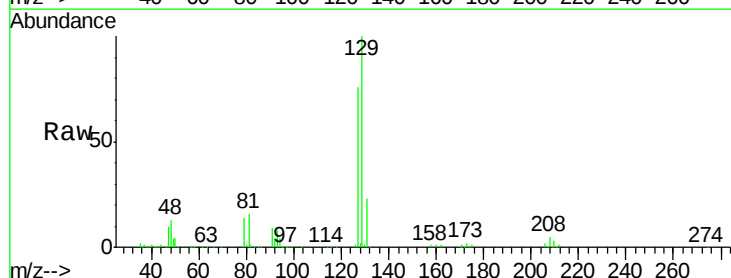
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

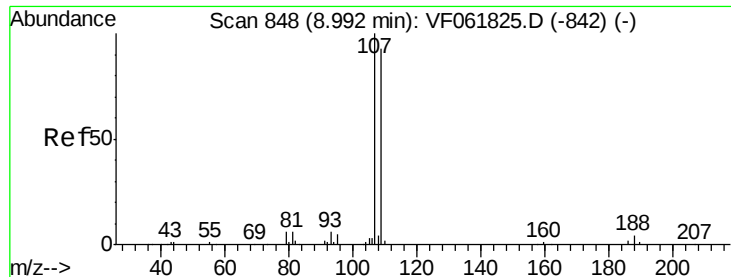
Tot Ion: 43 Resp: 536537
Ion Ratio Lower Upper
43 100
58 56.9 28.5 85.5



#60
Dibromochloromethane
Concen: 99.872 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion: 129 Resp: 292970
Ion Ratio Lower Upper
129 100
127 75.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 97.691 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

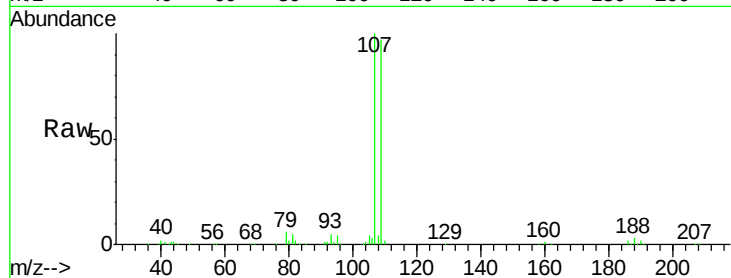
VSTDIC100

Tot Ion:107 Resp: 223314

Ion Ratio Lower Upper

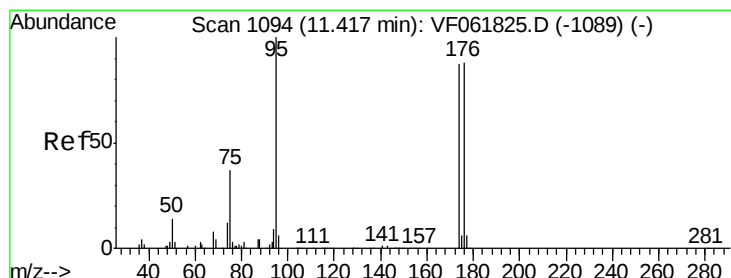
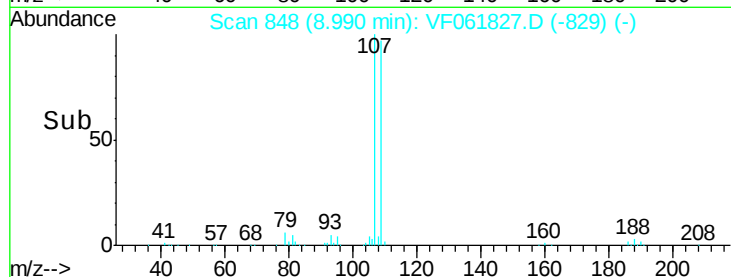
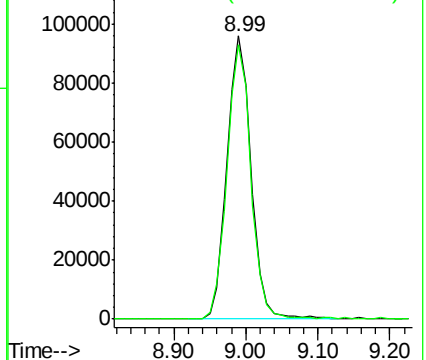
107 100

109 96.7 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 88.097 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

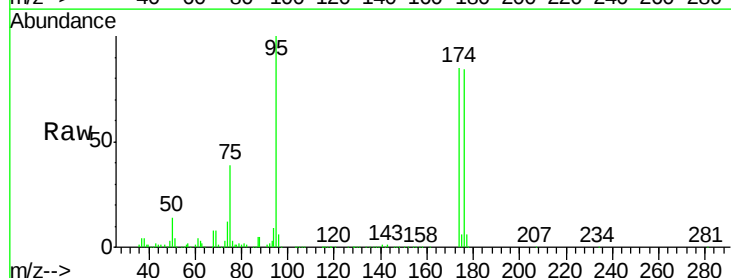
Tgt Ion: 95 Resp: 347348

Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.8

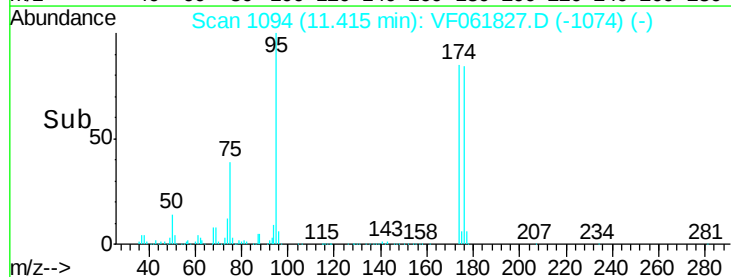
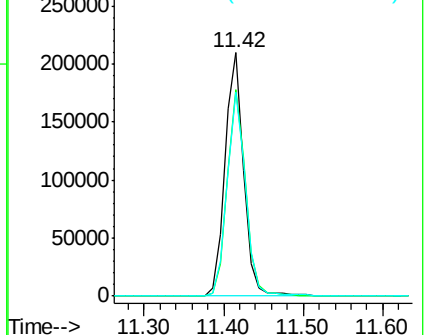
176 83.8 0.0 167.0

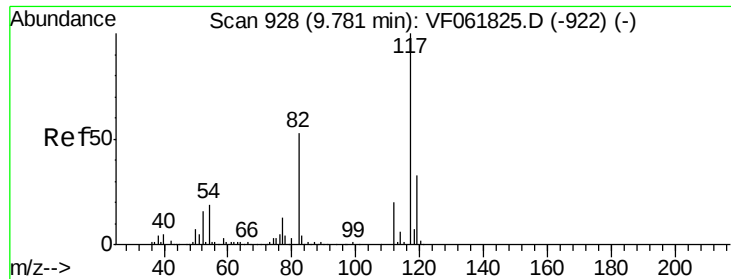


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

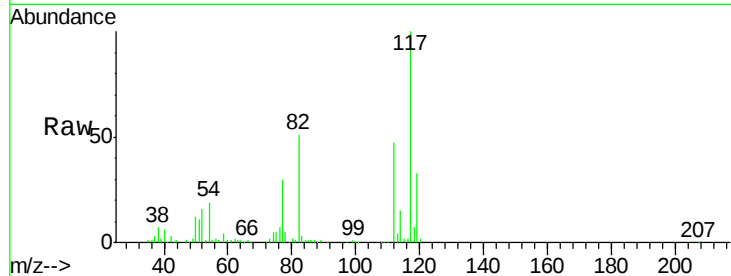




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.3	58.9
119	33.0	26.6	40.0

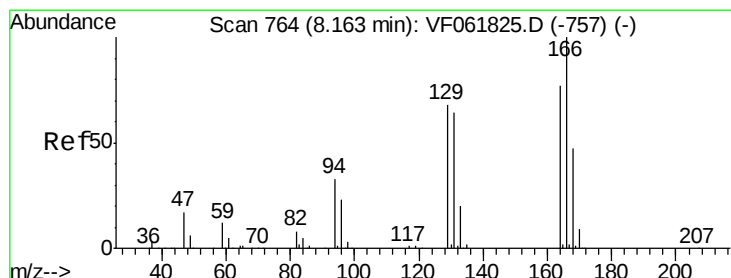
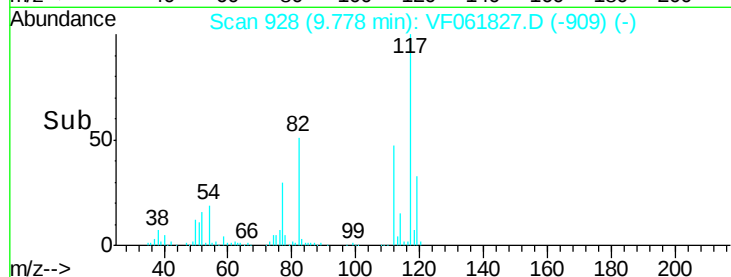
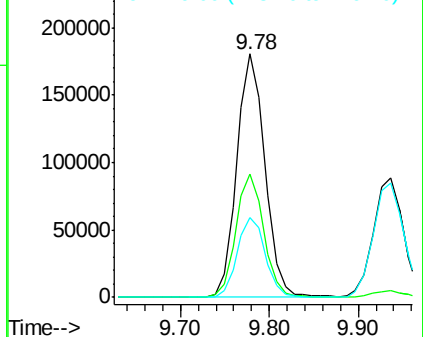


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 87.660 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.9	155.9
129	91.1	71.3	106.9
131	88.0	67.1	100.7

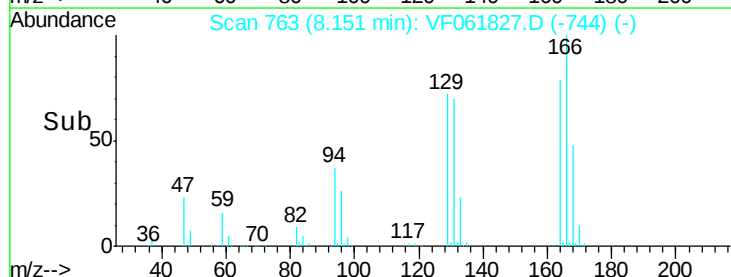
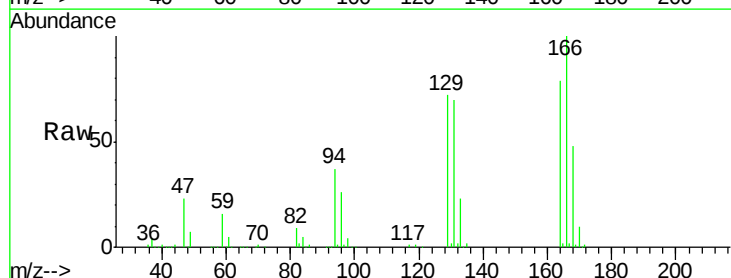
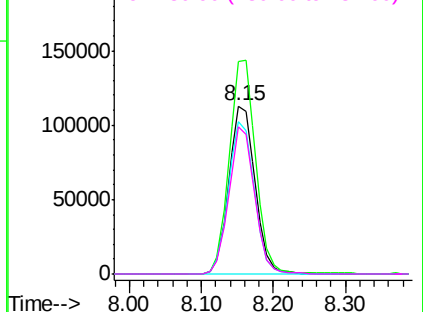
Abundance

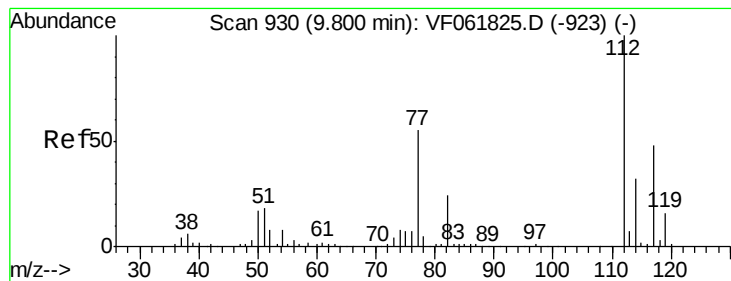
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 91.809 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

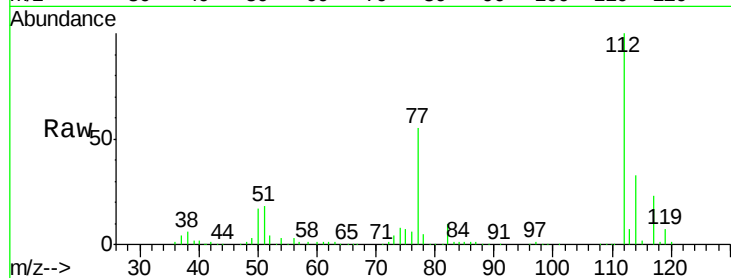
VSTDIC100

Tot Ion:112 Resp: 742202

Ion Ratio Lower Upper

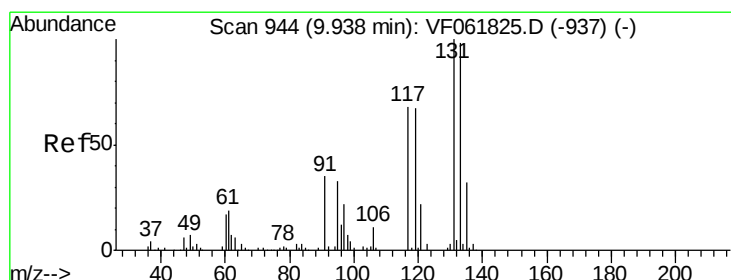
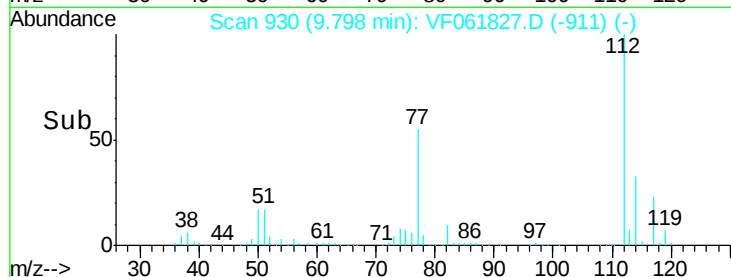
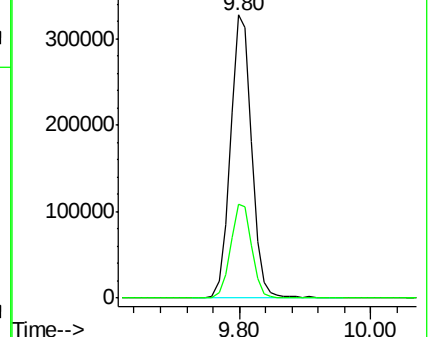
112 100

114 33.4 26.2 39.2



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: 92.803 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

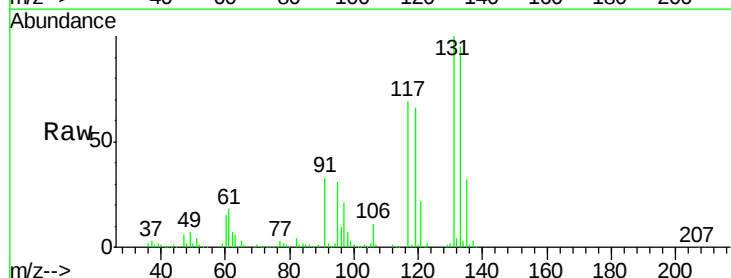
Tgt Ion:131 Resp: 293980

Ion Ratio Lower Upper

131 100

133 95.4 48.9 146.6

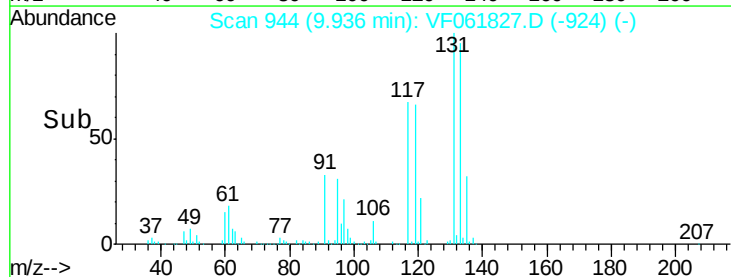
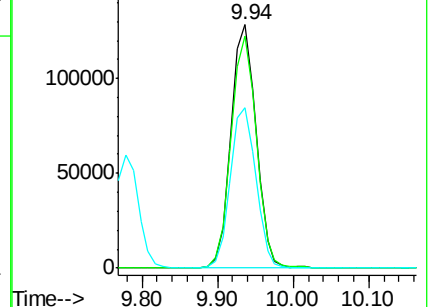
119 66.1 34.8 104.3

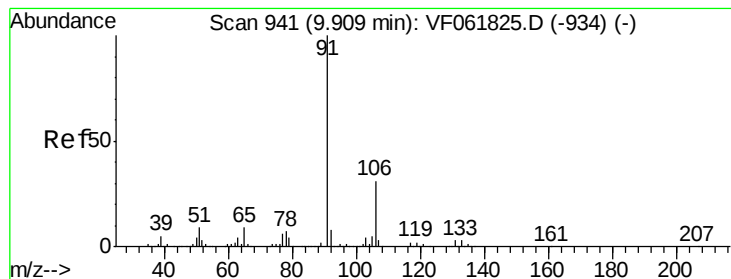


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 87.256 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

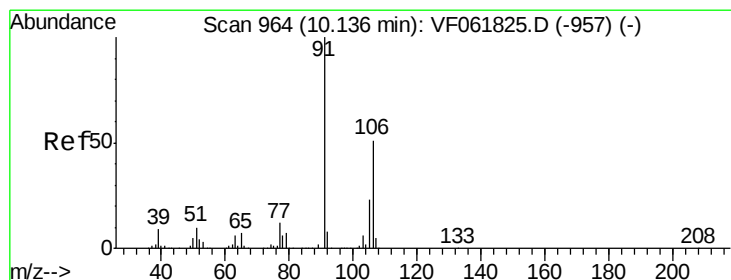
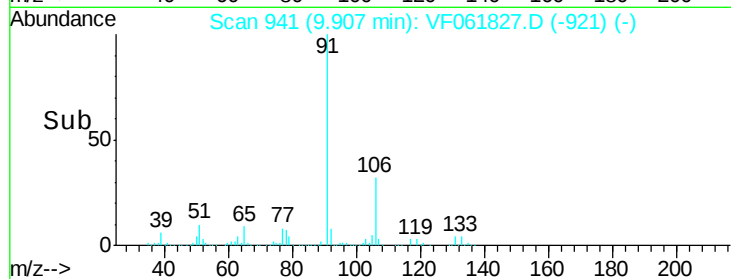
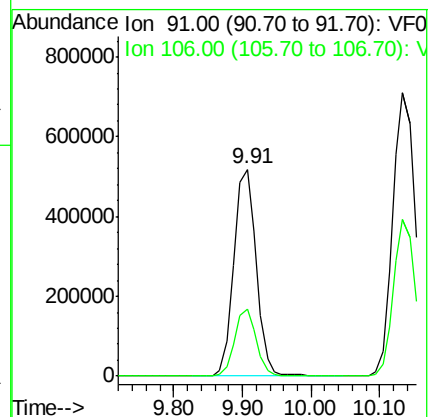
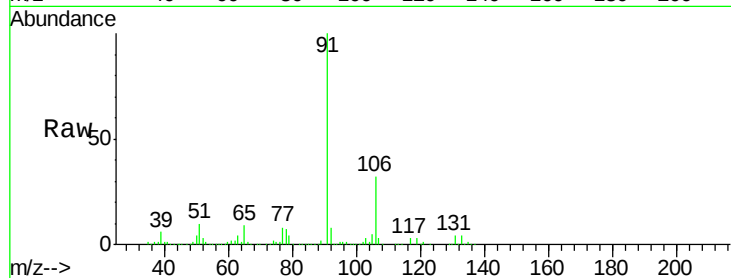
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1173062

Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1



#68

m/p-Xylenes

Concen: 169.769 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061827.D

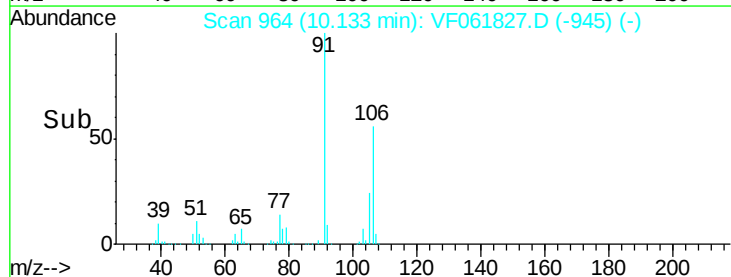
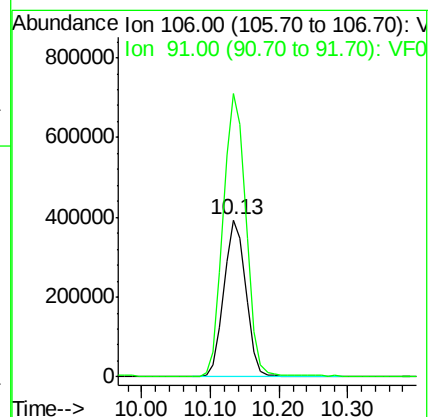
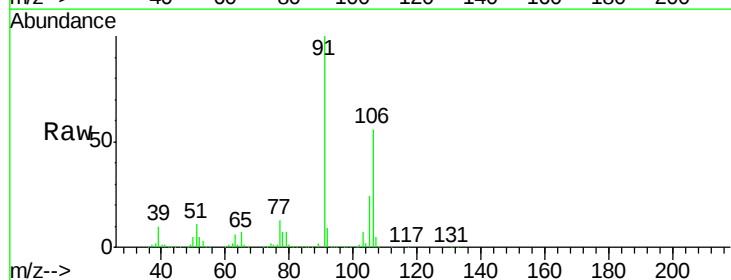
Acq: 4 Mar 2019 18:27

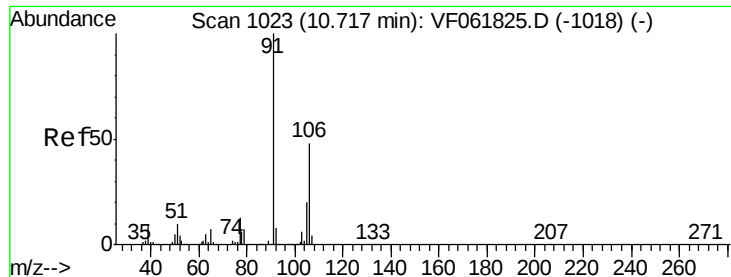
Tgt Ion: 106 Resp: 873490

Ion Ratio Lower Upper

106 100

91 180.1 153.0 229.6

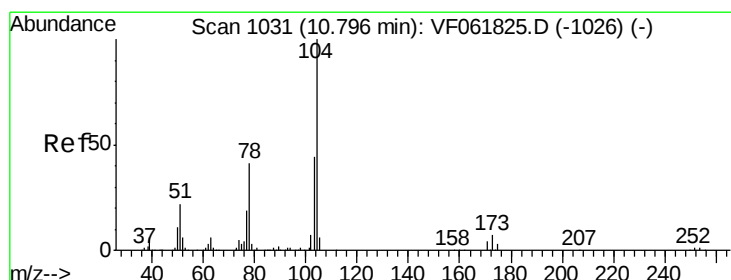
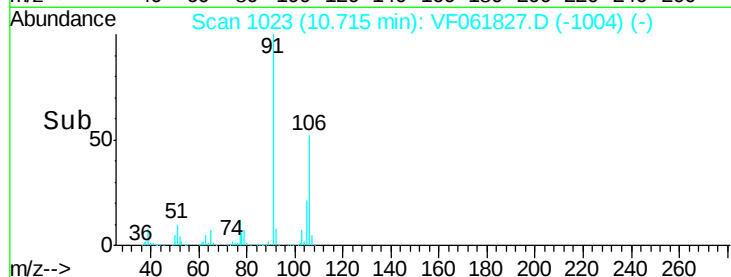
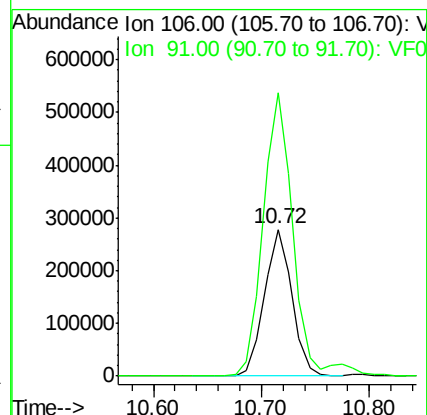
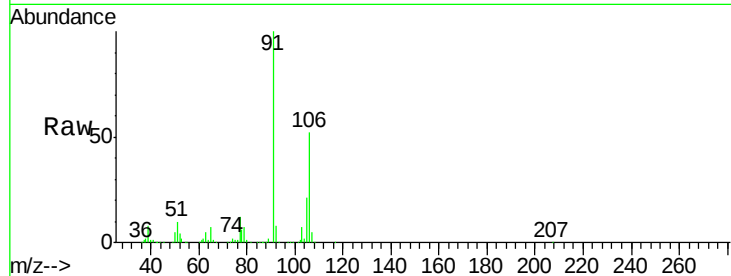




#69
o-Xylene
Concen: 91.003 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

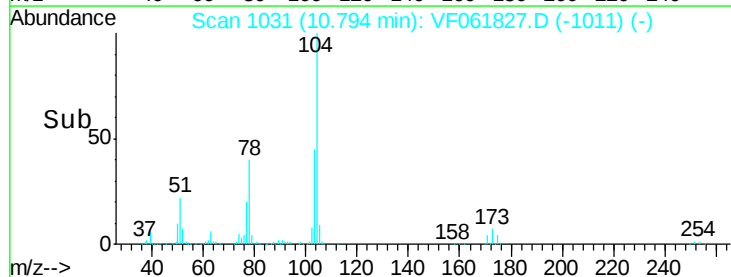
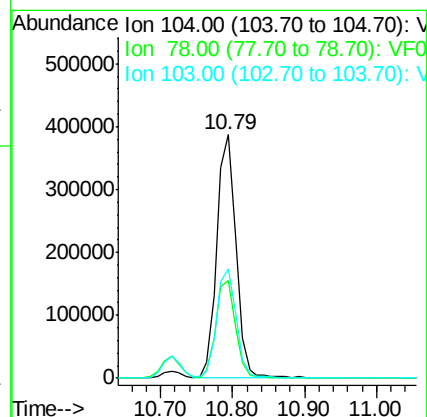
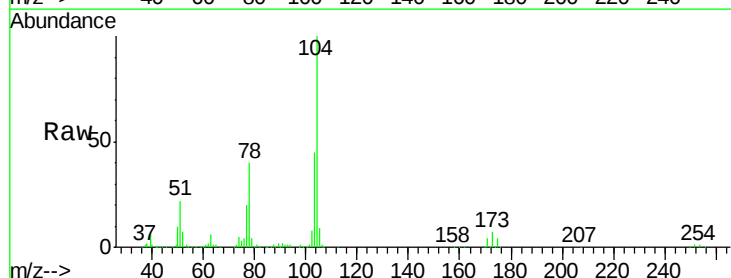
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

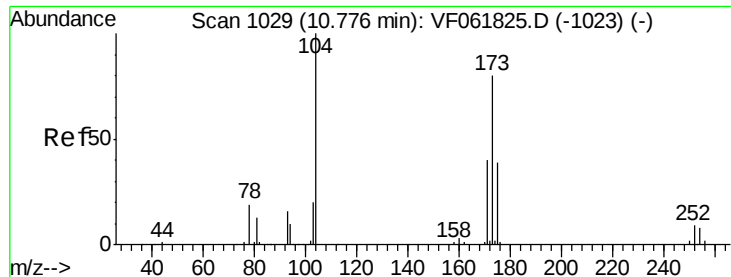
Tot Ion:106 Resp: 499621
Ion Ratio Lower Upper
106 100
91 192.8 100.1 300.1



#70
Styrene
Concen: 90.881 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061827.D
Acq: 4 Mar 2019 18:27

Tgt Ion:104 Resp: 705855
Ion Ratio Lower Upper
104 100
78 39.9 33.2 49.8
103 44.9 37.2 55.8





#71

Bromoform

Concen: 94.433 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

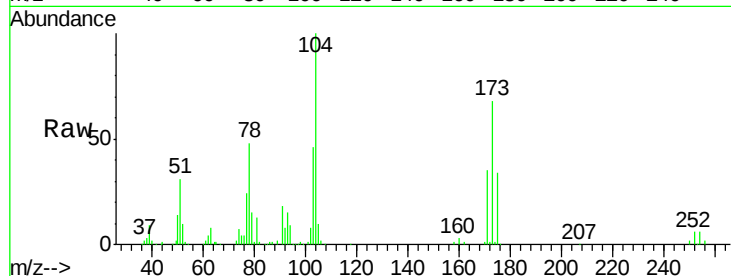
Tot Ion:173 Resp: 162441

Ion Ratio Lower Upper

173 100

175 50.5 24.0 72.0

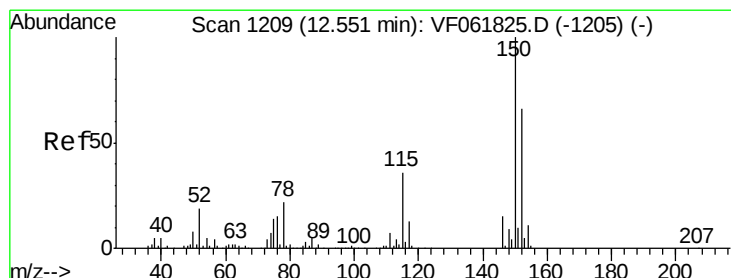
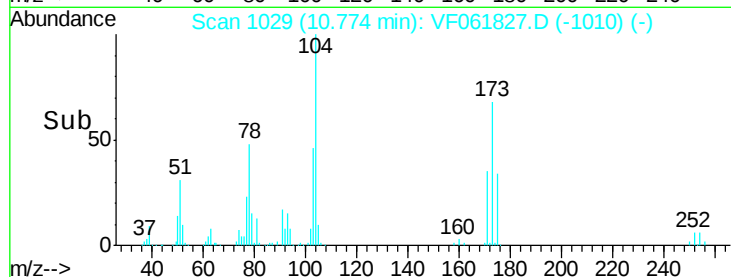
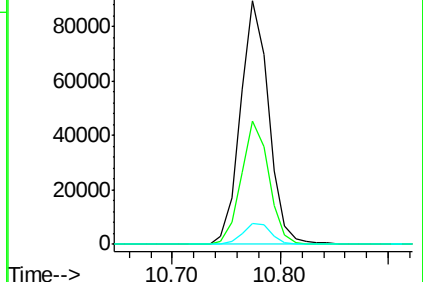
254 8.6 8.2 12.2



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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

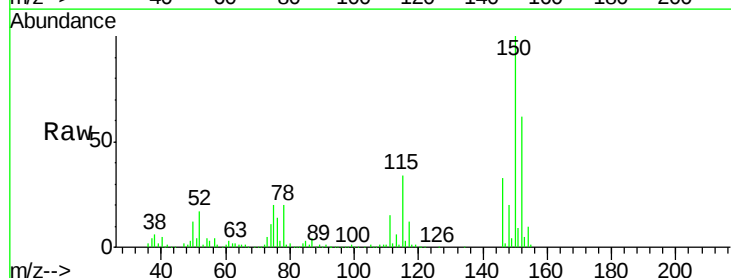
Tgt Ion:152 Resp: 202102

Ion Ratio Lower Upper

152 100

115 54.8 24.3 72.8

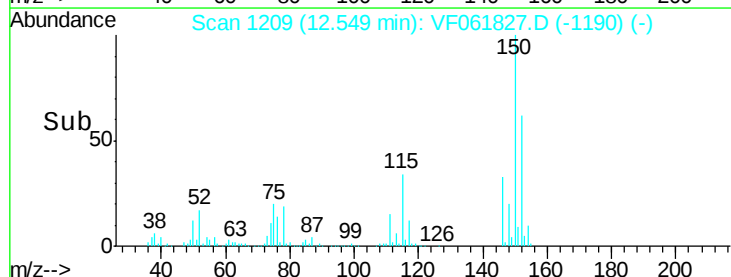
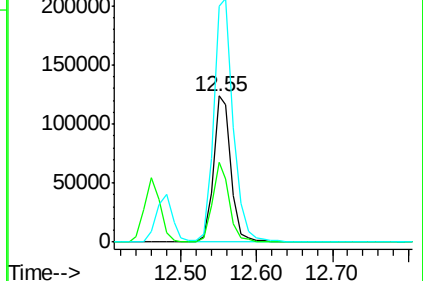
150 161.6 0.0 312.0

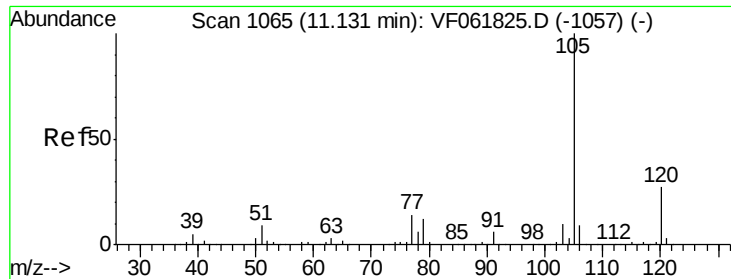


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 91.349 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

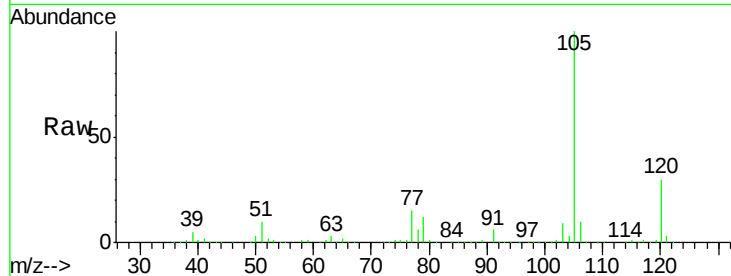
VSTDIC100

Tot Ion:105 Resp: 1314443

Ion Ratio Lower Upper

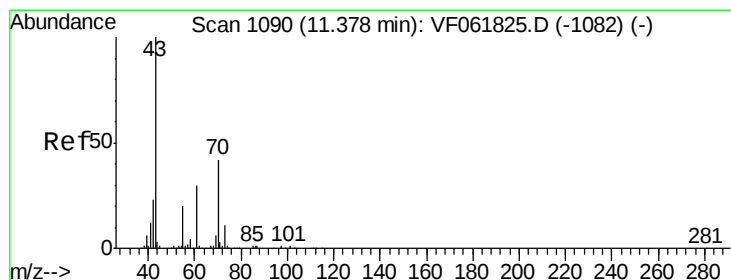
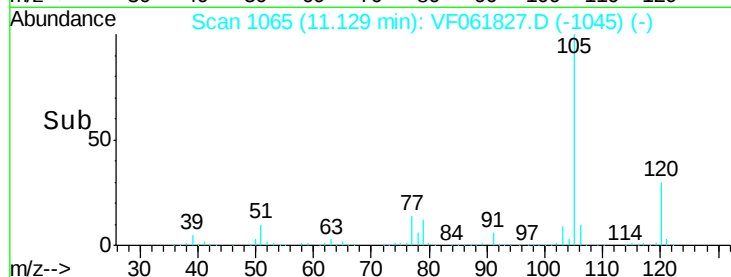
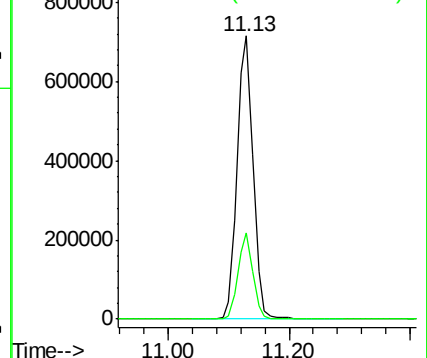
105 100

120 30.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 97.006 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Tgt Ion: 43 Resp: 335037

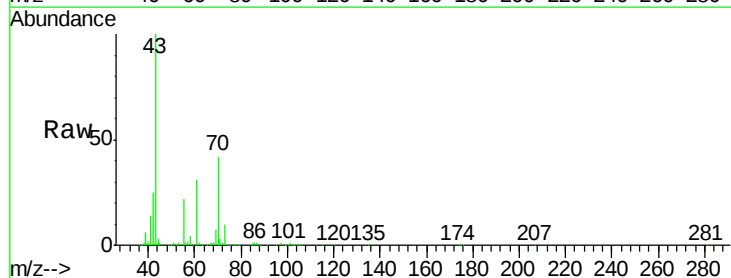
Ion Ratio Lower Upper

43 100

70 42.3 31.5 47.3

55 22.1 16.7 25.1

61 30.9 23.0 34.6

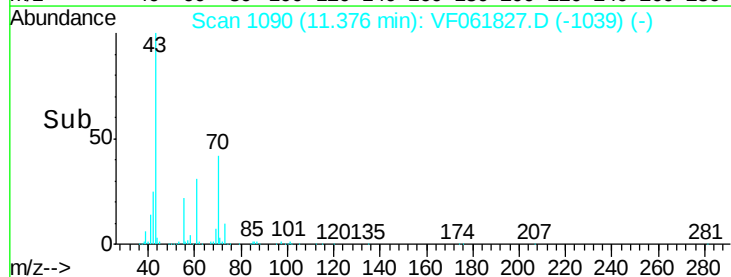
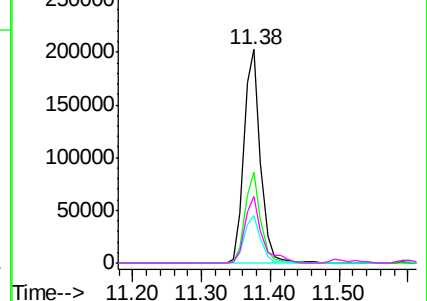


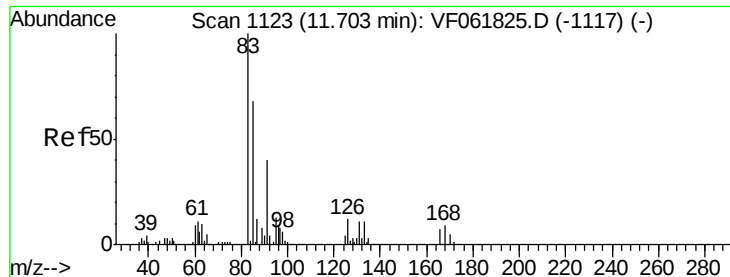
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 96.801 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

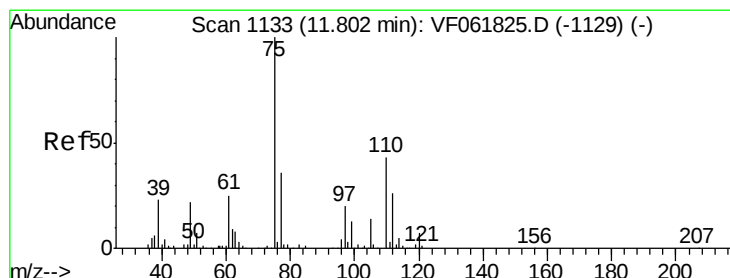
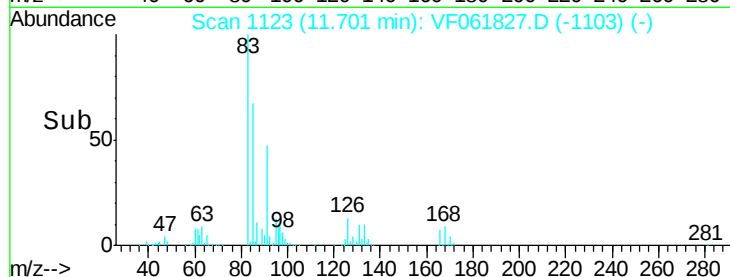
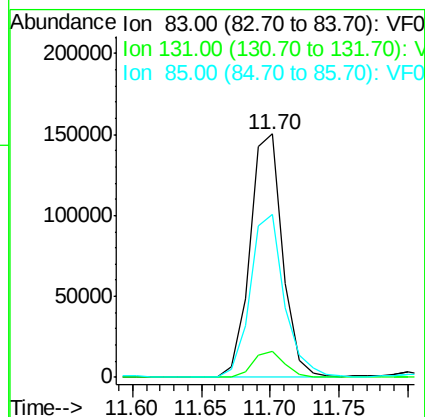
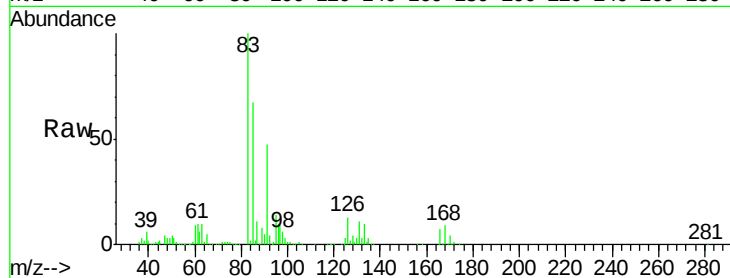
Tot Ion: 83 Resp: 249542

Ion Ratio Lower Upper

83 100

131 10.9 4.4 13.2

85 66.8 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 95.385 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061827.D

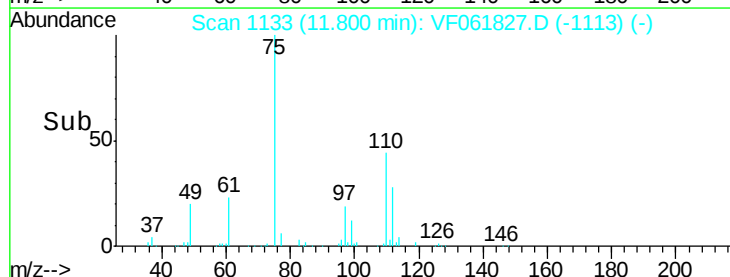
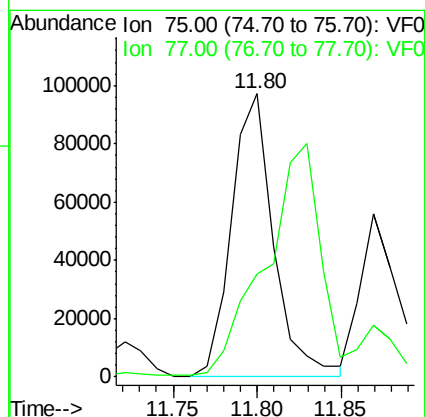
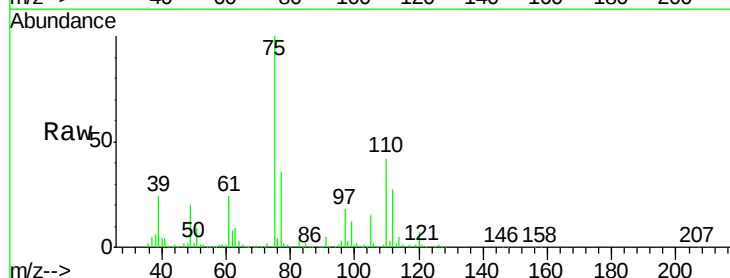
Acq: 4 Mar 2019 18:27

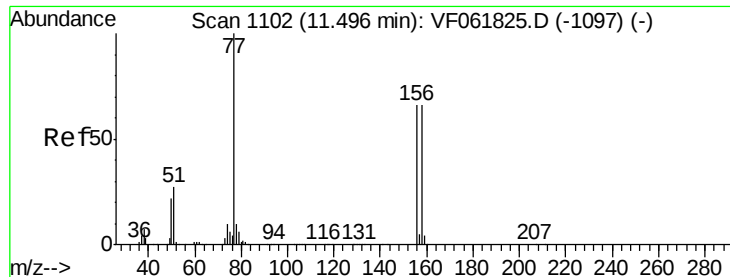
Tgt Ion: 75 Resp: 167179

Ion Ratio Lower Upper

75 100

77 36.2 16.6 49.7





#77

Bromobenzene

Concen: 94.806 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

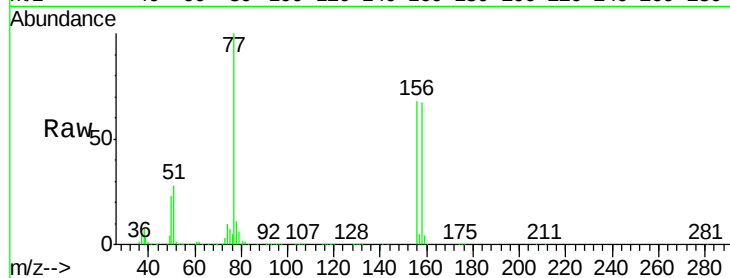
Tot Ion:156 Resp: 337015

Ion Ratio Lower Upper

156 100

77 146.0 64.3 192.7

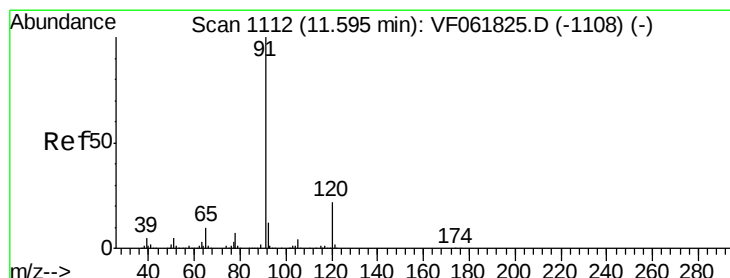
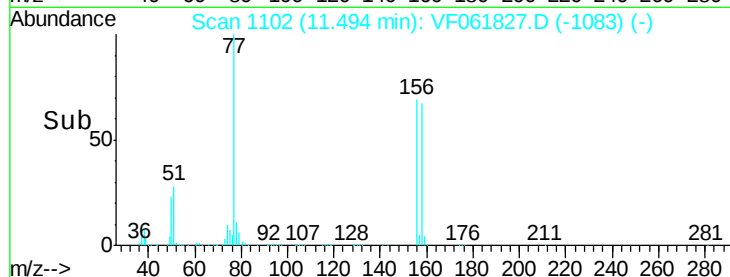
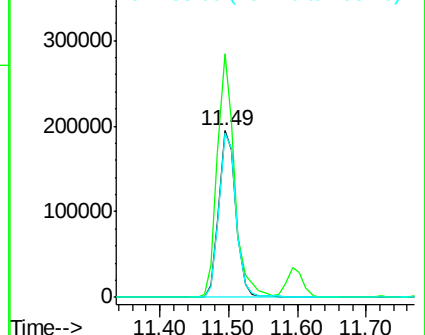
158 98.4 50.9 152.7



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: 87.714 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061827.D

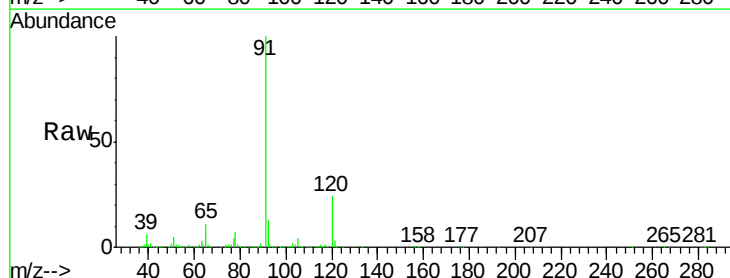
Acq: 4 Mar 2019 18:27

Tgt Ion: 91 Resp: 1448351

Ion Ratio Lower Upper

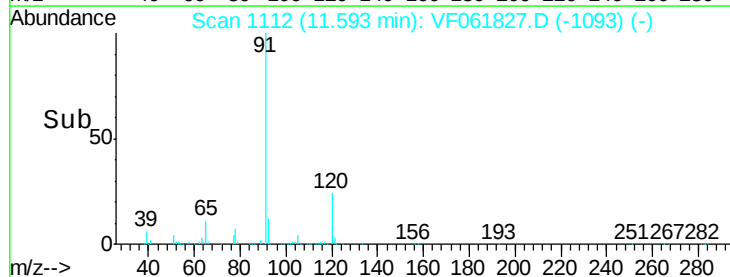
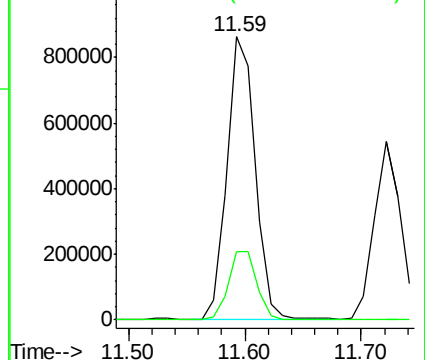
91 100

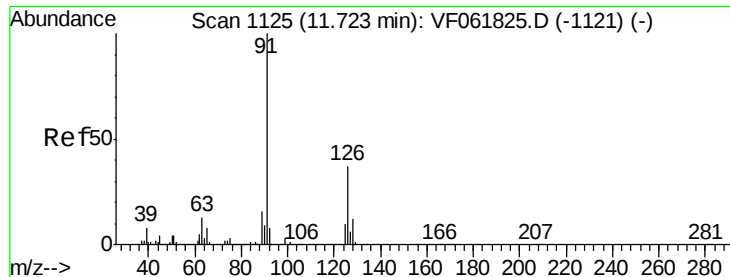
120 24.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.881 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

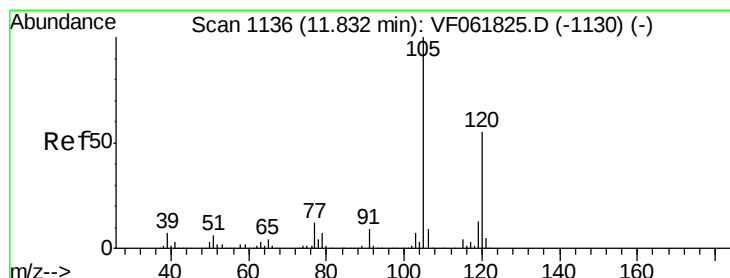
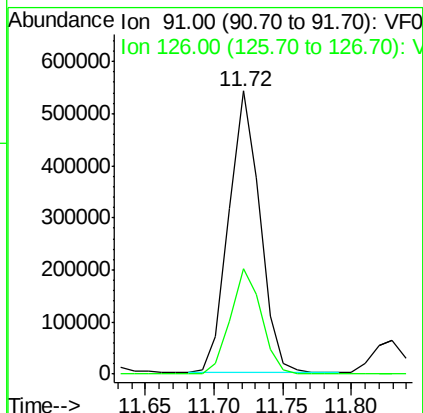
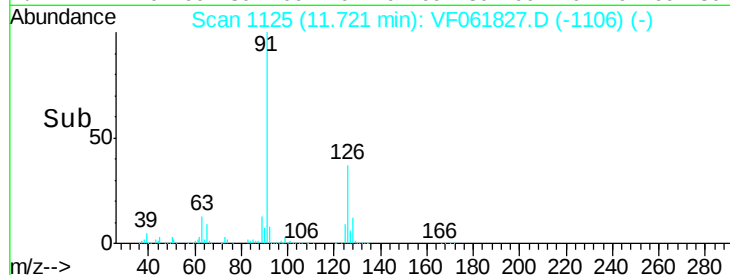
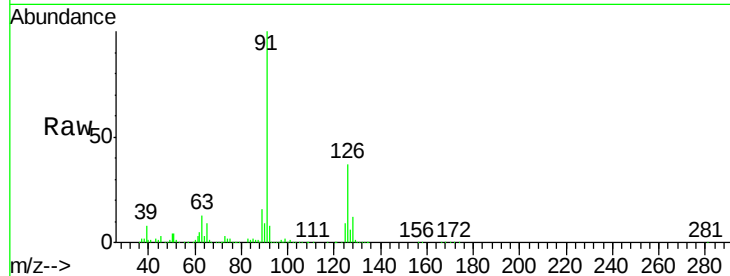
VSTDIC100

Tot Ion: 91 Resp: 849676

Ion Ratio Lower Upper

91 100

126 37.1 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 89.874 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF061827.D

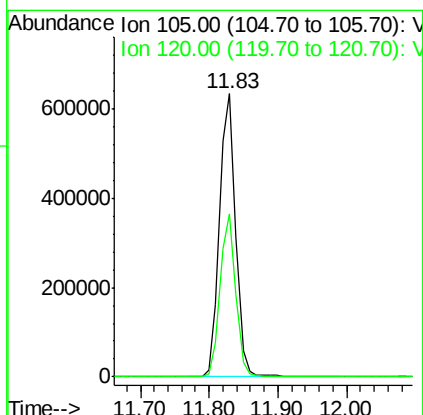
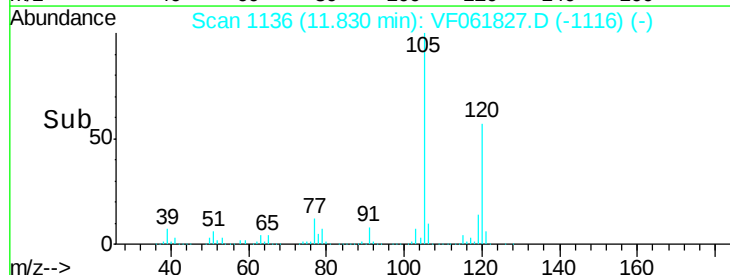
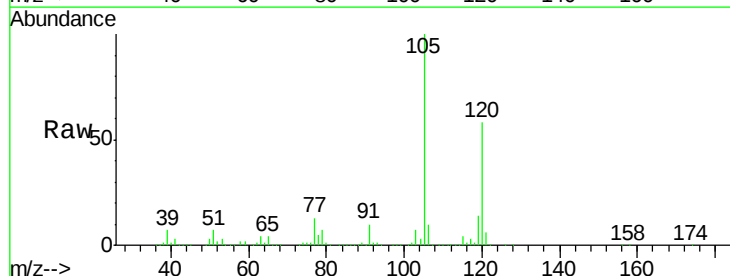
Acq: 4 Mar 2019 18:27

Tgt Ion:105 Resp: 1033598

Ion Ratio Lower Upper

105 100

120 57.8 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 124.116 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

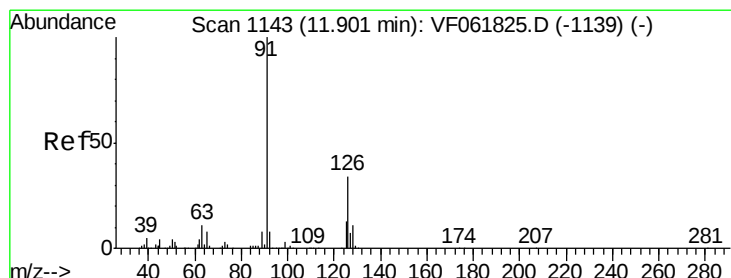
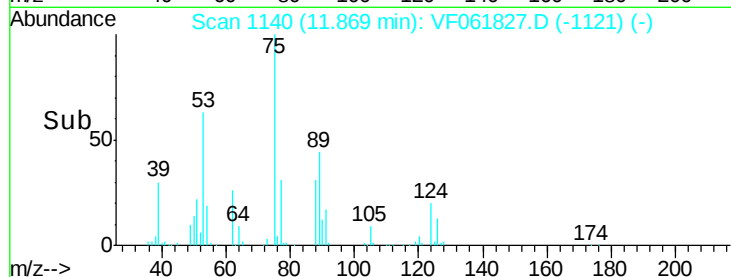
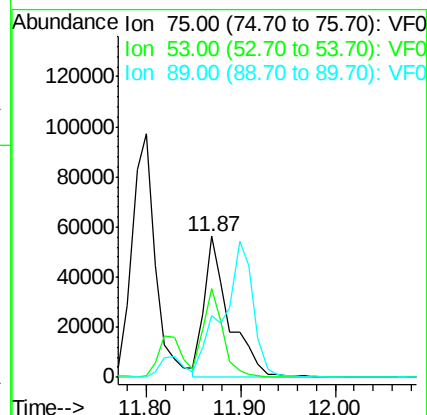
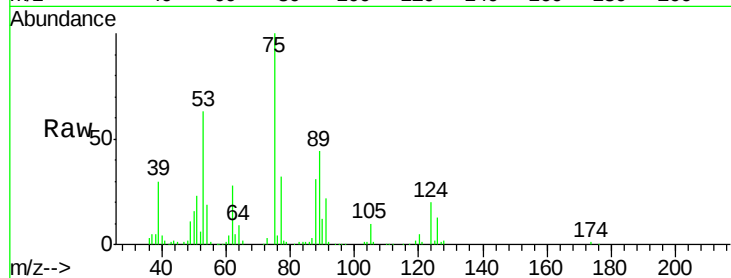
Tot Ion: 75 Resp: 104289

Ion Ratio Lower Upper

75 100

53 63.3 53.7 80.5

89 44.2 41.6 62.4



#82

4-Chlorotoluene

Concen: 89.921 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF061827.D

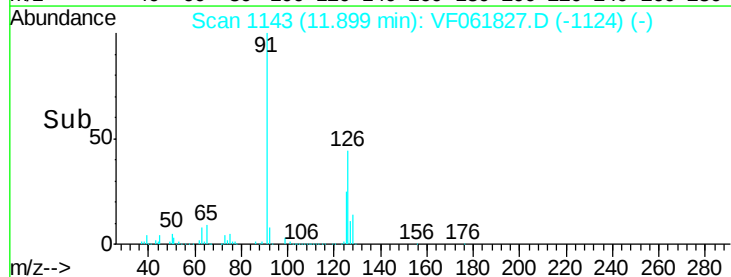
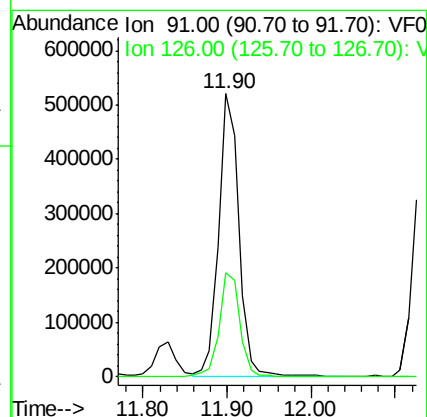
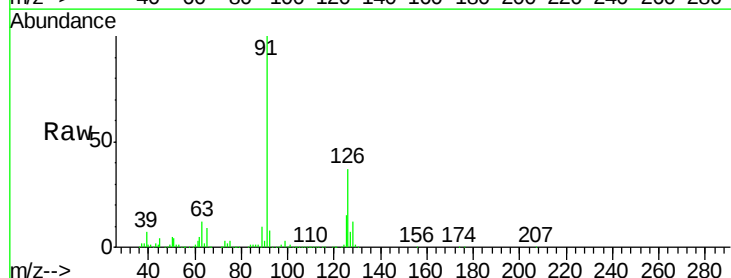
Acq: 4 Mar 2019 18:27

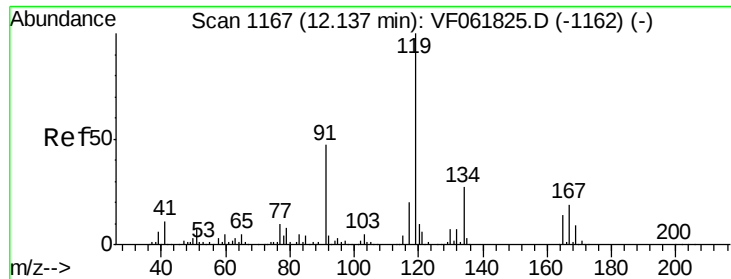
Tgt Ion: 91 Resp: 863107

Ion Ratio Lower Upper

91 100

126 36.9 19.1 57.1

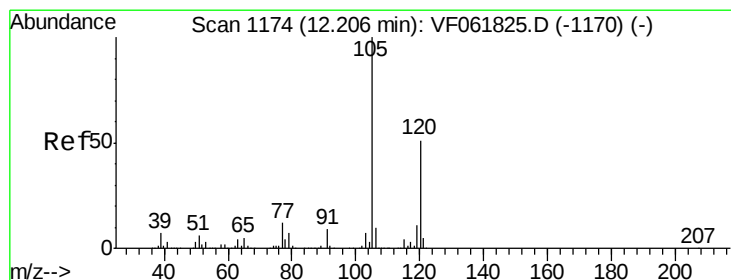
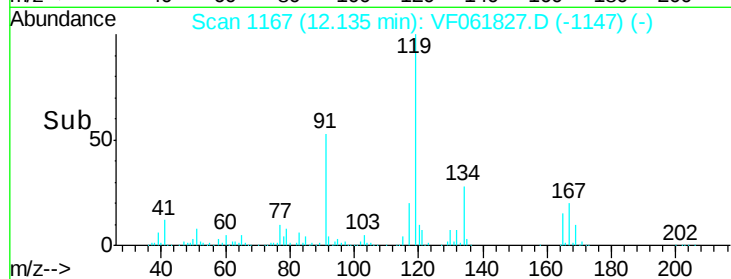
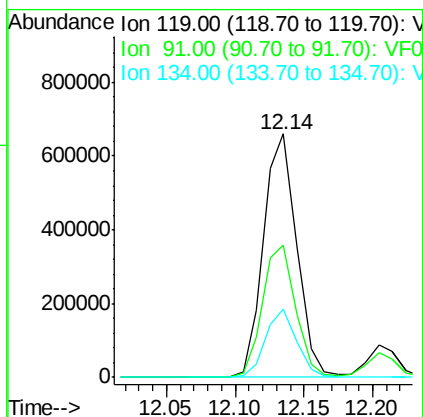
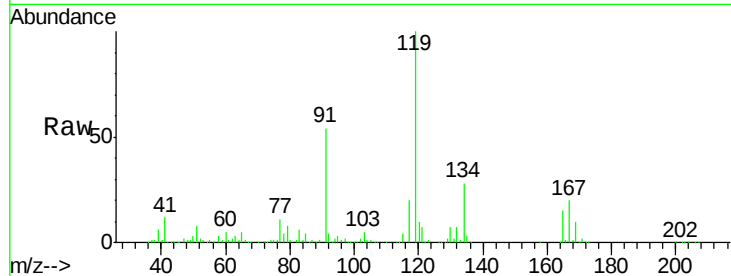




#83
 tert-Butylbenzene
 Concen: 87.027 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

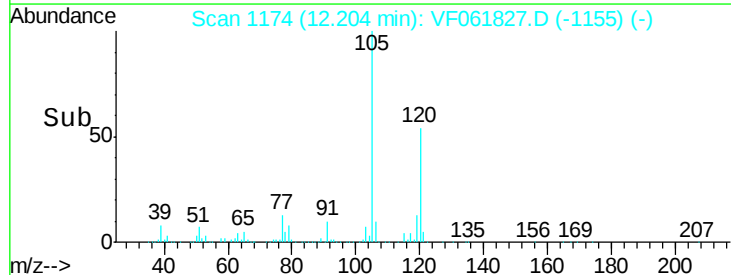
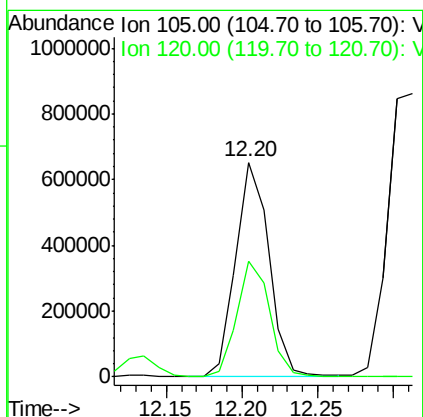
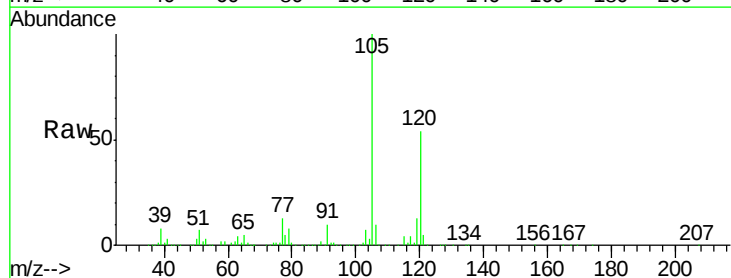
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

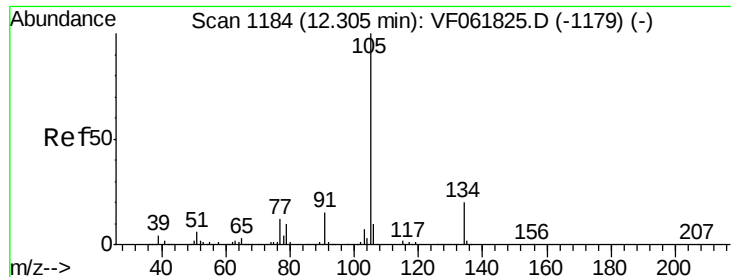
Tot Ion:119 Resp: 1108551
 Ion Ratio Lower Upper
 119 100
 91 54.3 26.3 78.8
 134 28.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 87.644 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion:105 Resp: 1001377
 Ion Ratio Lower Upper
 105 100
 120 53.9 26.1 78.3





#85

sec-Butylbenzene

Concen: 88.375 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

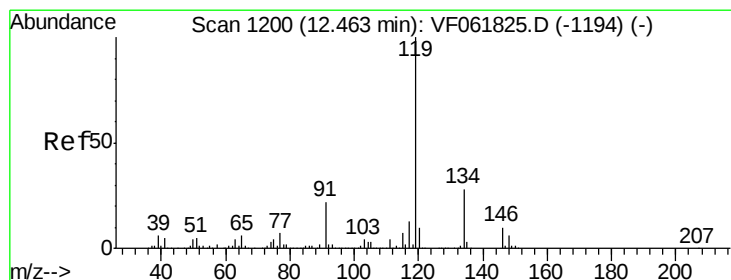
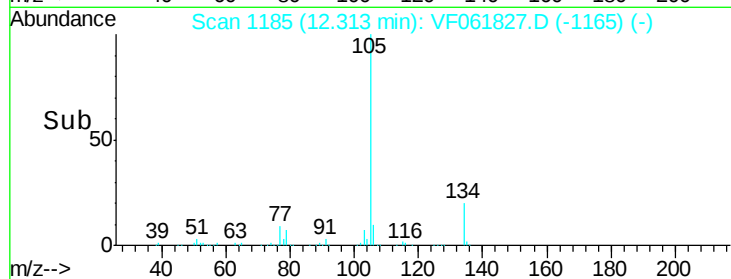
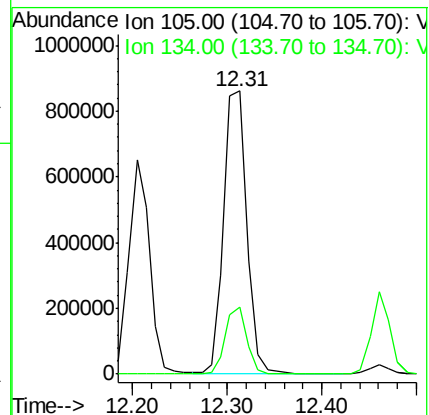
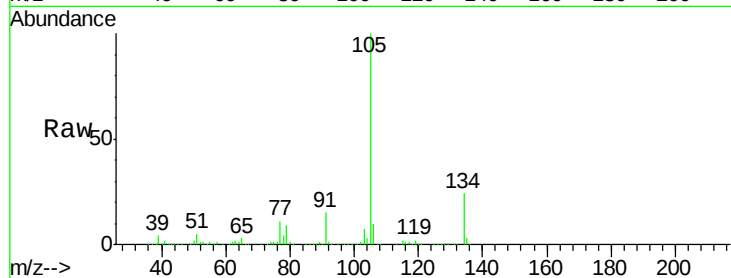
VSTDIC100

Tot Ion:105 Resp: 1455729

Ion Ratio Lower Upper

105 100

134 23.9 10.8 32.4



#86

p-Isopropyltoluene

Concen: 88.427 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

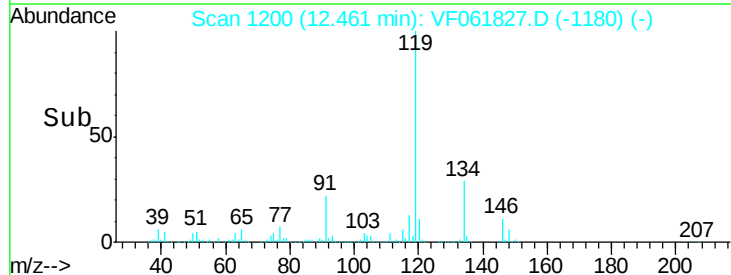
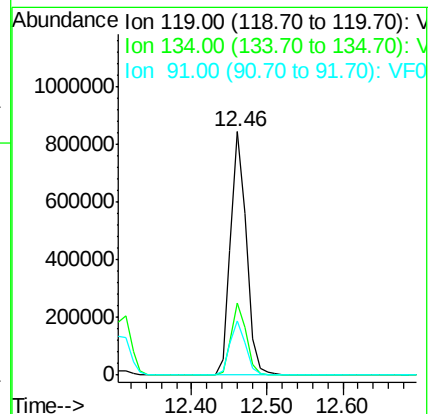
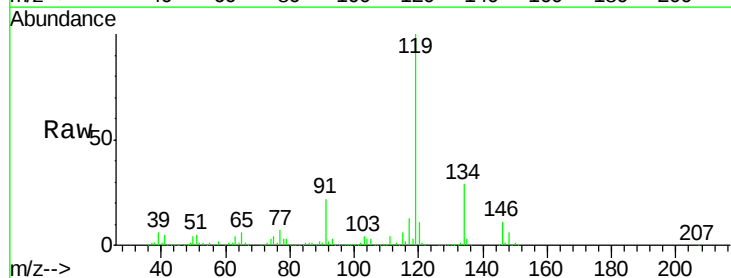
Tgt Ion:119 Resp: 1222432

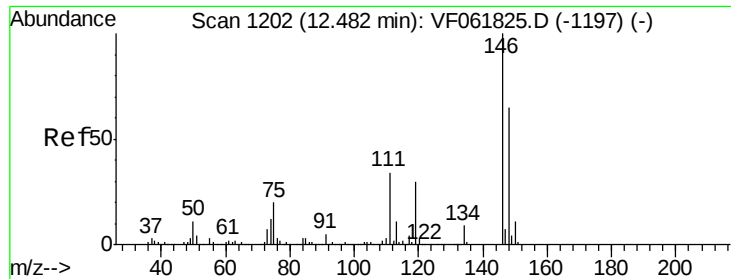
Ion Ratio Lower Upper

119 100

134 29.5 13.7 41.1

91 22.3 10.8 32.4

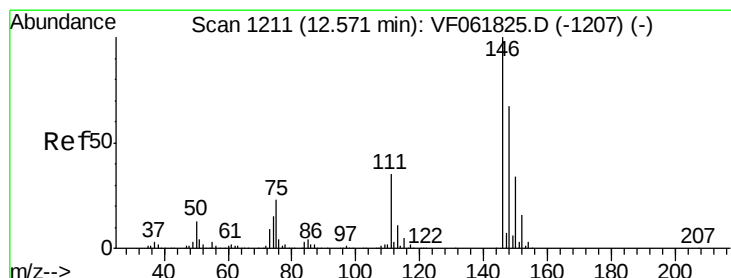
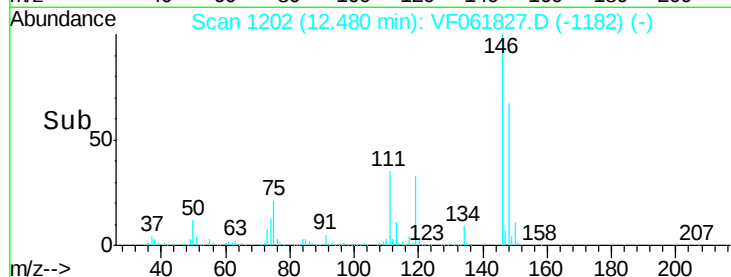
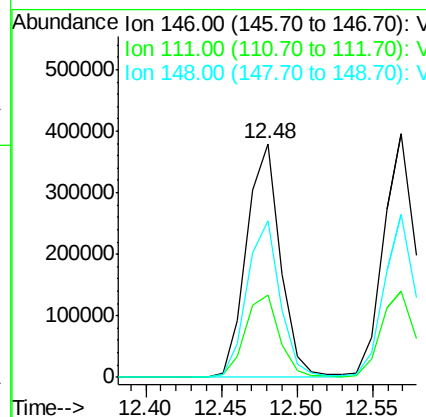
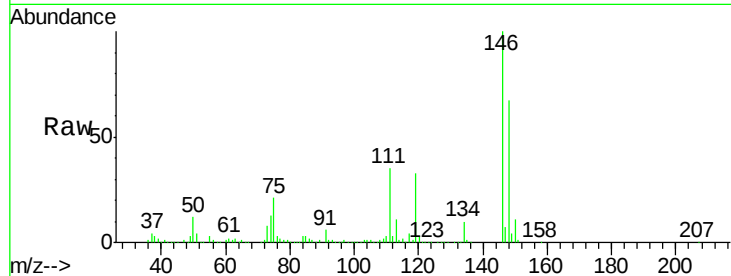




#87
 1,3-Dichlorobenzene
 Concen: 85.811 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

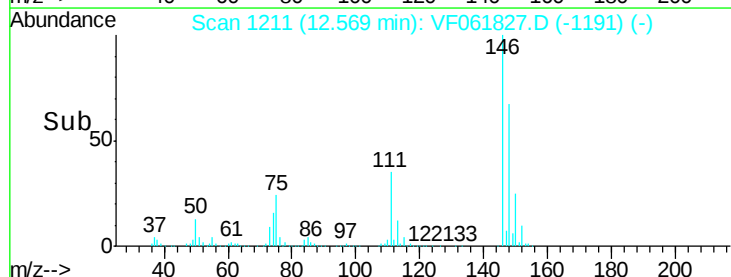
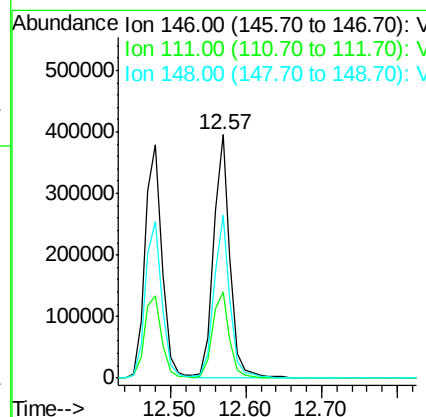
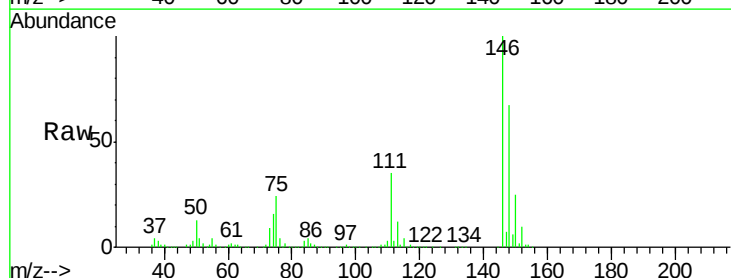
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

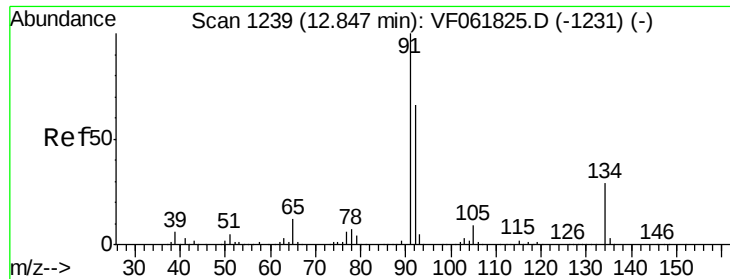
Tot Ion:146 Resp: 594678
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.5 52.6
 148 67.0 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 89.780 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion:146 Resp: 598369
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.4 55.4
 148 66.9 32.2 96.6





#89

n-Butylbenzene

Concen: 86.591 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

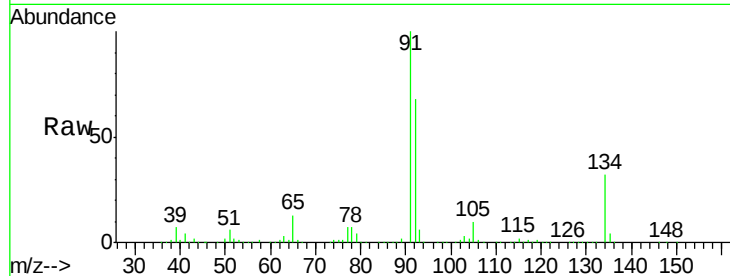
Tot Ion: 91 Resp: 1130354

Ion Ratio Lower Upper

91 100

92 67.9 31.4 94.3

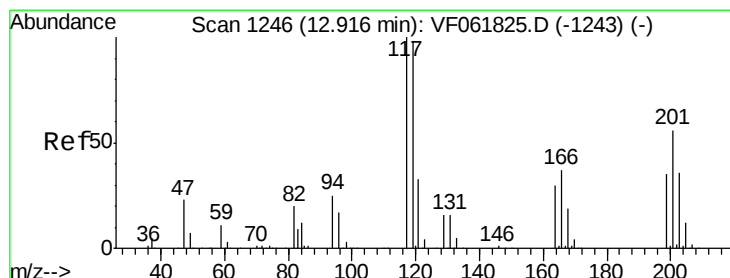
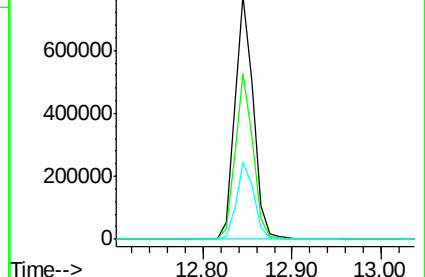
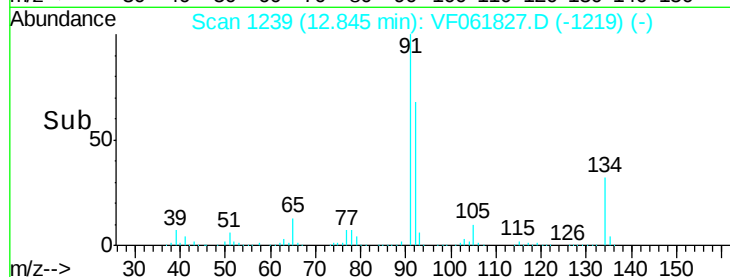
134 31.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 98.753 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VF061827.D

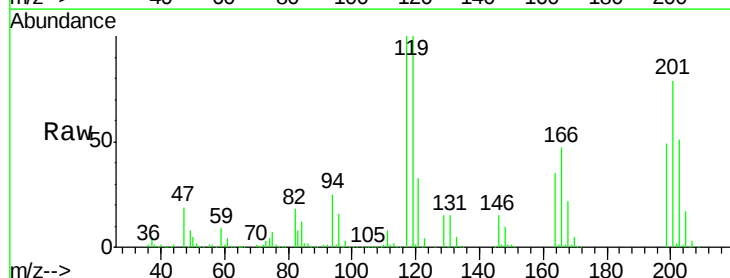
Acq: 4 Mar 2019 18:27

Tgt Ion: 117 Resp: 317507

Ion Ratio Lower Upper

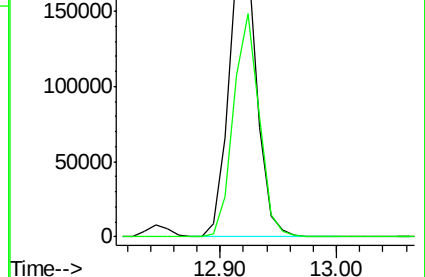
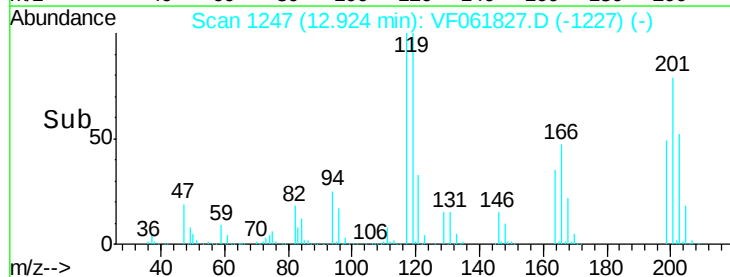
117 100

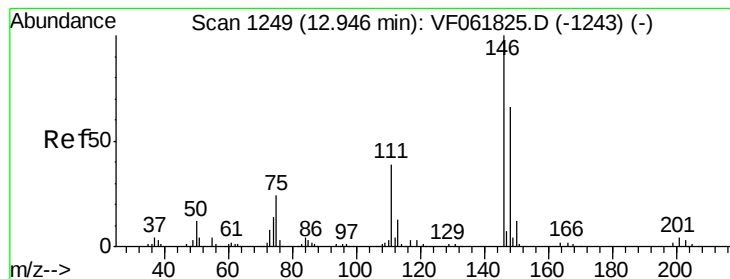
201 78.7 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 87.512 ug/l

RT: 12.94 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

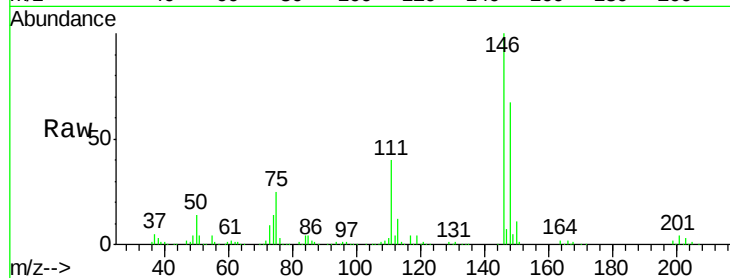
Tot Ion:146 Resp: 576848

Ion Ratio Lower Upper

146 100

111 40.1 20.2 60.5

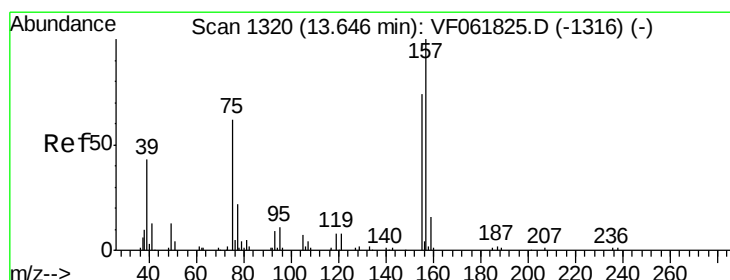
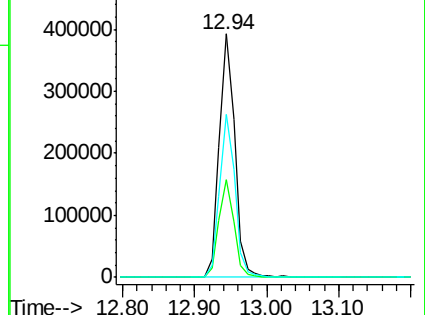
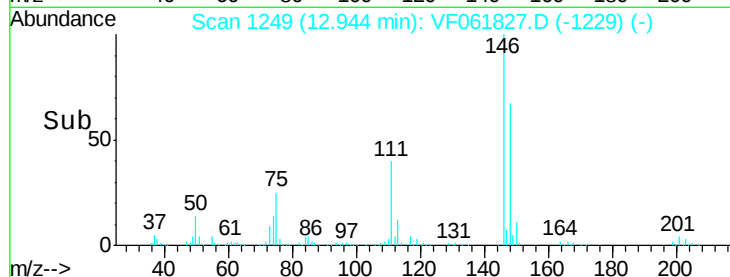
148 66.7 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 106.802 ug/l

RT: 13.64 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

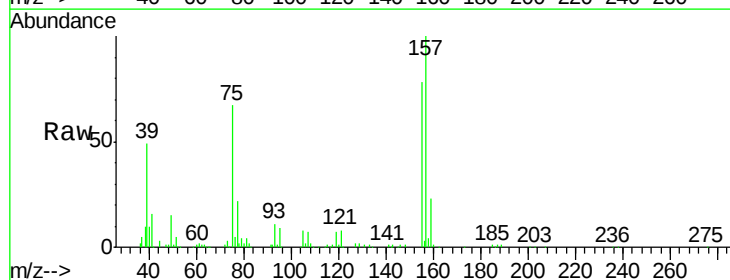
Tgt Ion: 75 Resp: 43652

Ion Ratio Lower Upper

75 100

155 116.5 48.9 146.8

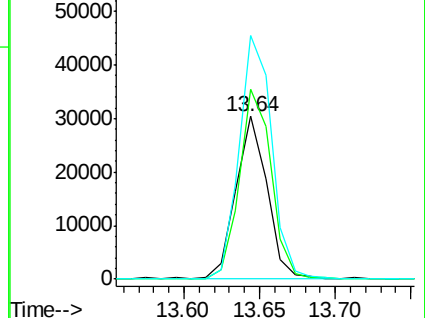
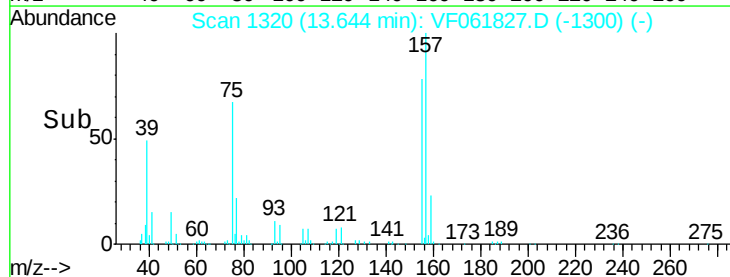
157 149.6 58.3 174.8

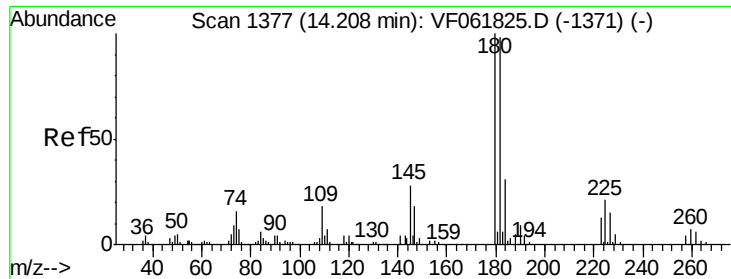


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

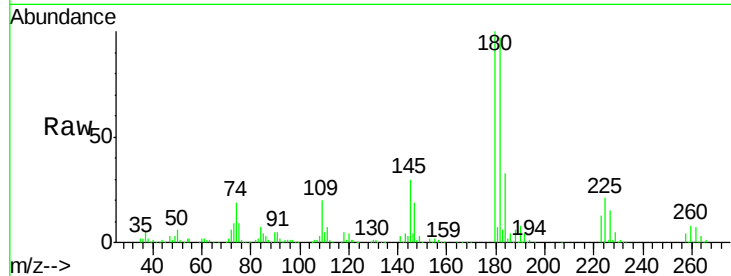




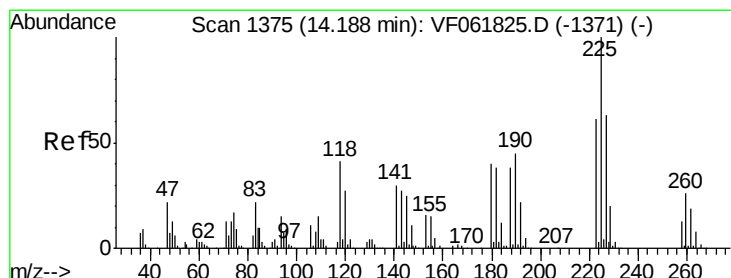
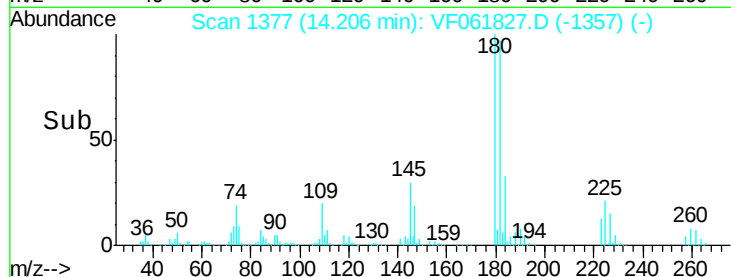
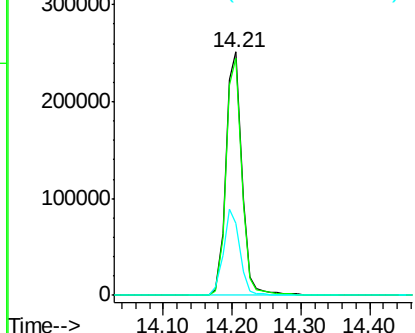
#93
 1,2,4-Trichlorobenzene
 Concen: 85.977 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 406218
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.6 145.9
 145 29.8 15.3 45.9

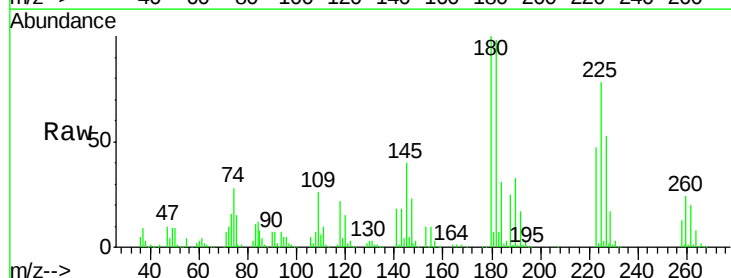


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

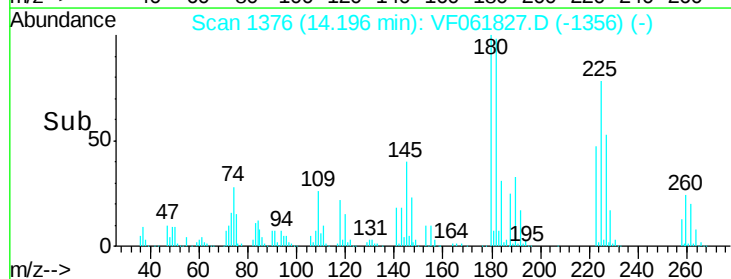
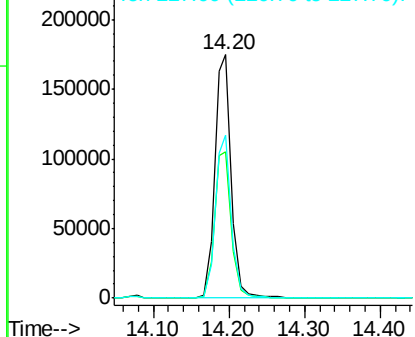


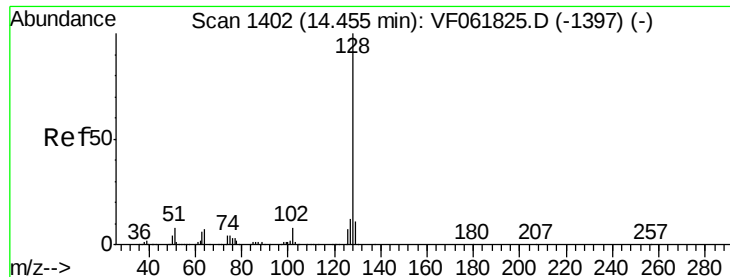
#94
 Hexachlorobutadiene
 Concen: 92.168 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061827.D
 Acq: 4 Mar 2019 18:27

Tgt Ion:225 Resp: 268945
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.9 92.7
 227 67.2 32.1 96.3



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





#95

Naphthalene

Concen: 100.936 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

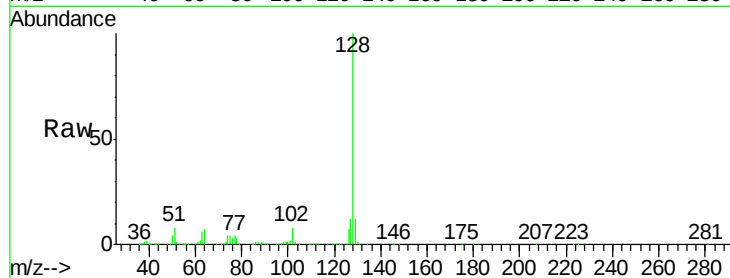
Tot Ion:128 Resp: 834389

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

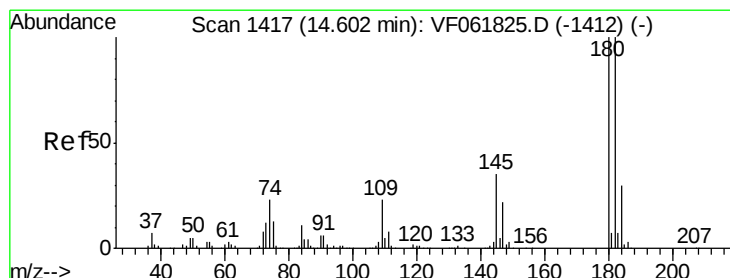
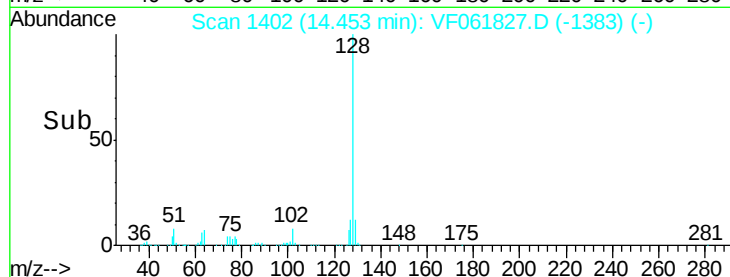
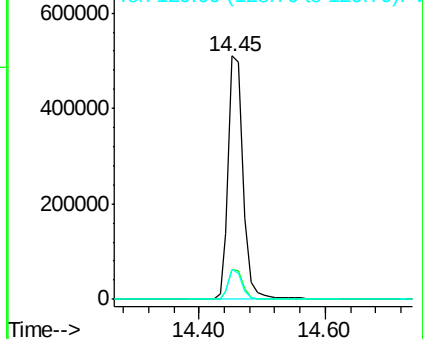
129 12.1 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 93.741 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF061827.D

Acq: 4 Mar 2019 18:27

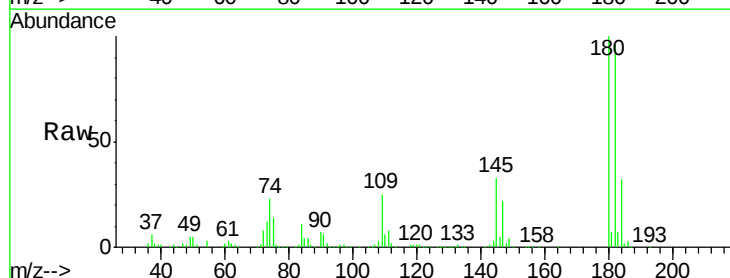
Tgt Ion:180 Resp: 406514

Ion Ratio Lower Upper

180 100

182 95.5 49.0 147.2

145 33.1 15.4 46.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

