

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF030419\
 Data File : VF061825.D
 Acq On : 4 Mar 2019 17:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 05 04:37:55 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	314879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	456249	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	398478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	215263	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	112371	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	
35) Dibromofluoromethane	4.12	113	153714	45.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.74%	
50) Toluene-d8	7.56	98	459551	47.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.42	95	182557	46.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	192522	53.241	ug/l	93
3) Chloromethane	1.09	50	184198	48.550	ug/l	95
4) Vinyl Chloride	1.14	62	179127	50.787	ug/l	95
5) Bromomethane	1.32	94	124884	51.447	ug/l	99
6) Chloroethane	1.40	64	88269	50.783	ug/l	98
7) Trichlorofluoromethane	1.49	101	162652	38.235	ug/l	94
8) Diethyl Ether	1.64	74	52008	48.512	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	145942	47.555	ug/l	96
10) Methyl Iodide	1.92	142	226270	38.598	ug/l	98
11) Tert butyl alcohol	2.58	59	32447	242.806	ug/l	98
12) 1,1-Dichloroethene	1.80	96	135145	50.087	ug/l	100
13) Acrolein	2.01	56	40440	240.781	ug/l	94
14) Allyl chloride	2.10	41	149400	45.123	ug/l	97
15) Acrylonitrile	2.95	53	102308	215.839	ug/l	97
16) Acetone	2.24	43	119096	240.394	ug/l	94
17) Carbon Disulfide	1.82	76	321496	37.906	ug/l	96
18) Methyl Acetate	2.36	43	50108	44.897	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	236384	51.261	ug/l	99
20) Methylene Chloride	2.19	84	47269	15.794	ug/l	96
21) trans-1,2-Dichloroethene	2.32	96	120230	40.990	ug/l	93
22) Diisopropyl ether	2.81	45	395274	49.734	ug/l	98
23) Vinyl Acetate	3.19	43	884514	227.855	ug/l	98
24) 1,1-Dichloroethane	2.87	63	231480	48.128	ug/l	100
25) 2-Butanone	4.35	43	243263	224.796	ug/l	98
26) 2,2-Dichloropropane	3.61	77	103602	50.853	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	184098	47.818	ug/l	98
28) Bromochloromethane	3.73	49	95085	41.202	ug/l	99
29) Tetrahydrofuran	4.08	42	100673	204.684	ug/l	98
30) Chloroform	3.86	83	272793	49.873	ug/l	93
31) Cyclohexane	3.70	56	147386	28.307	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	163567	45.651	ug/l	97
36) 1,1-Dichloropropene	4.29	75	225455	49.883	ug/l	94
37) Ethyl Acetate	4.12	43	88184	42.007	ug/l #	77
38) Carbon Tetrachloride	4.00	117	166626	53.390	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061825.D
 Acq On : 4 Mar 2019 17:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 05 04:37:55 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	5.46	83	274448	51.344	ug/l	99
40) Benzene	4.64	78	594498	50.287	ug/l	99
41) Methacrylonitrile	4.75	41	49555	46.159	ug/l #	94
42) 1,2-Dichloroethane	4.95	62	153494	54.279	ug/l	94
43) Isopropyl Acetate	6.97	43	119564	48.116	ug/l #	99
44) Trichloroethene	5.51	130	186365	48.749	ug/l	98
45) 1,2-Dichloropropane	6.24	63	141231	49.423	ug/l	98
46) Dibromomethane	6.09	93	86732	49.295	ug/l	89
47) Bromodichloromethane	6.39	83	198301	51.467	ug/l	99
48) Methyl methacrylate	6.72	41	75444	50.451	ug/l	97
49) 1,4-Dioxane	6.71	88	15439	1098.282	ug/l	89
51) 4-Methyl-2-Pentanone	8.26	43	392929	221.301	ug/l	97
52) Toluene	7.63	92	350725	48.917	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	160661	50.102	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	222450	52.080	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	99023	47.007	ug/l	96
56) Ethyl methacrylate	8.63	69	113114	48.229	ug/l	96
57) 1,3-Dichloropropane	8.86	76	173479	49.338	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.31	63	82829	204.687	ug/l	99
59) 2-Hexanone	9.49	43	275331	221.219	ug/l	99
60) Dibromochloromethane	8.73	129	143816	49.049	ug/l	99
61) 1,2-Dibromoethane	8.99	107	112149	49.084	ug/l	96
64) Tetrachloroethene	8.16	164	165946	50.949	ug/l	99
65) Chlorobenzene	9.80	112	404986	50.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	152690	48.190	ug/l	99
67) Ethyl Benzene	9.91	91	678445	50.453	ug/l	98
68) m/p-Xylenes	10.14	106	487344	94.697	ug/l	96
69) o-Xylene	10.72	106	280245	51.033	ug/l	95
70) Styrene	10.80	104	381575	49.118	ug/l	98
71) Bromoform	10.78	173	83163	48.335	ug/l	99
73) Isopropylbenzene	11.13	105	772865	50.427	ug/l	99
74) N-amyl acetate	11.38	43	177779	48.327	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	127093	46.287	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	85136	45.605	ug/l	94
77) Bromobenzene	11.50	156	182743	48.264	ug/l	88
78) n-propylbenzene	11.59	91	875815	49.798	ug/l	96
79) 2-Chlorotoluene	11.72	91	487514	49.495	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	619688	50.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	52402	58.552	ug/l	95
82) 4-Chlorotoluene	11.90	91	516229	50.494	ug/l	93
83) tert-Butylbenzene	12.14	119	677031	49.901	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	626745	51.501	ug/l	99
85) sec-Butylbenzene	12.30	105	873416	49.782	ug/l	96
86) p-Isopropyltoluene	12.46	119	708617	48.125	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	341001	46.197	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	332361	46.819	ug/l	97
89) n-Butylbenzene	12.85	91	687503	49.446	ug/l	95
90) Hexachloroethane	12.92	117	182179	53.198	ug/l	80
91) 1,2-Dichlorobenzene	12.95	146	324292	46.190	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19767	45.406	ug/l	67

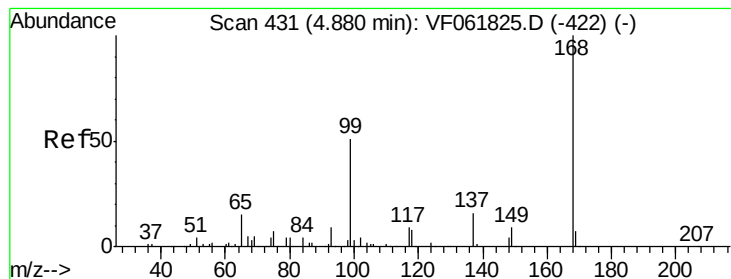
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
Data File : VF061825.D
Acq On : 4 Mar 2019 17:30
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Quant Time: Mar 05 04:37:55 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	224629	44.636	ug/l	98
94) Hexachlorobutadiene	14.19	225	157026	50.523	ug/l	98
95) Naphthalene	14.45	128	420383	47.745	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	218811	47.372	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

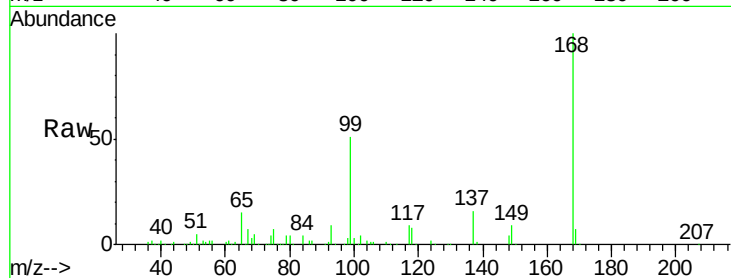
VSTDICCC050

Tot Ion:168 Resp: 314879

Ion Ratio Lower Upper

168 100

99 51.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

100000

80000

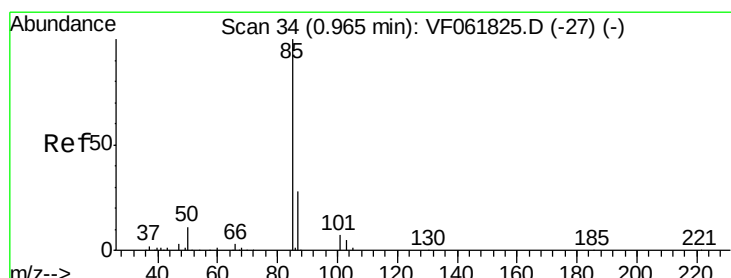
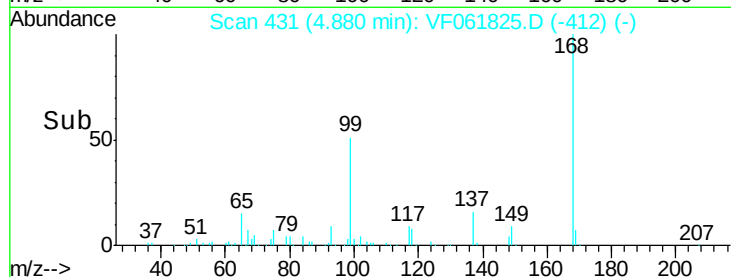
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 53.241 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061825.D

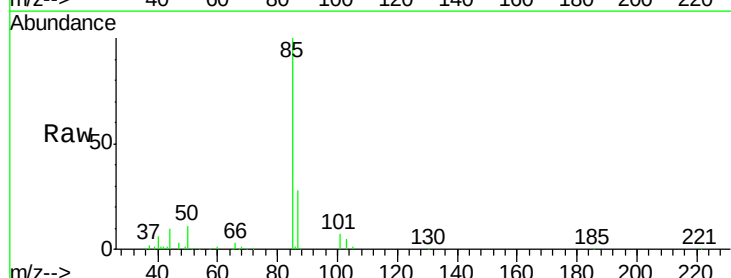
Acq: 4 Mar 2019 17:30

Tgt Ion: 85 Resp: 192522

Ion Ratio Lower Upper

85 100

87 28.1 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

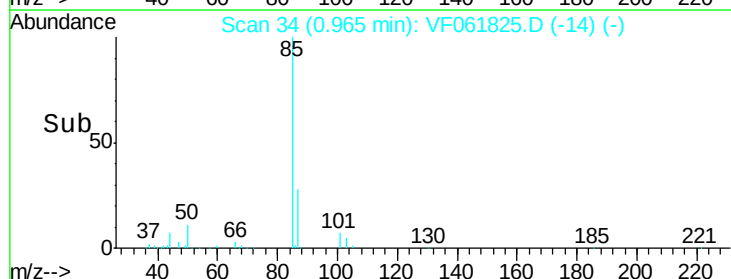
30000

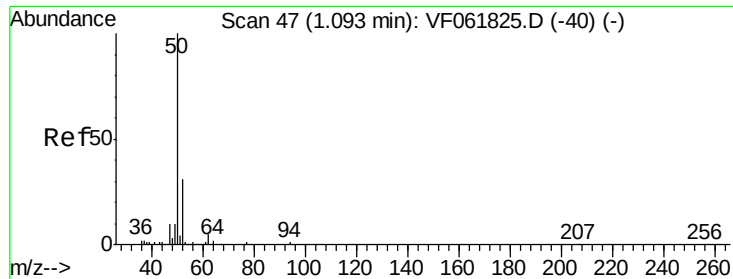
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 48.550 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

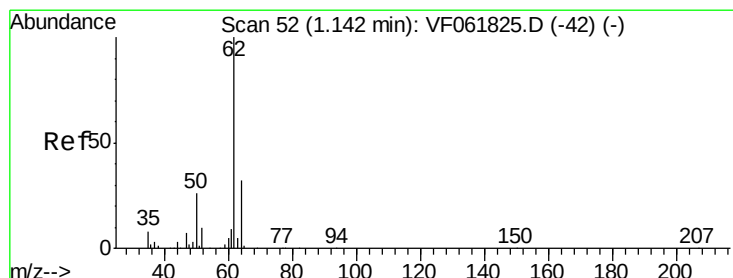
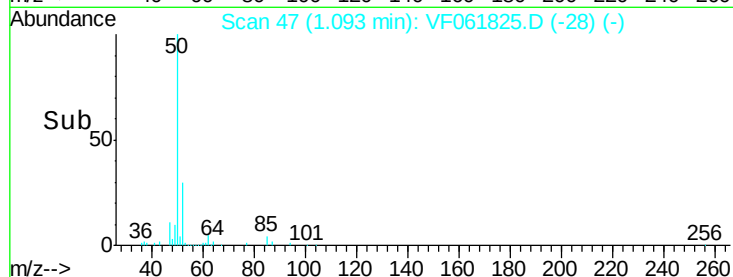
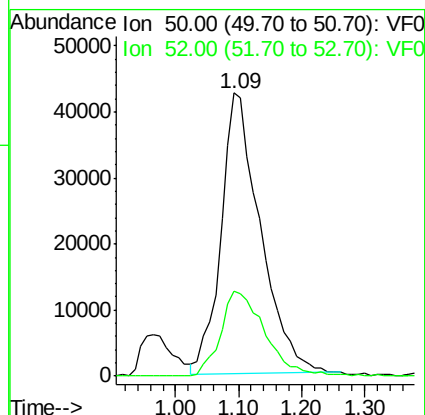
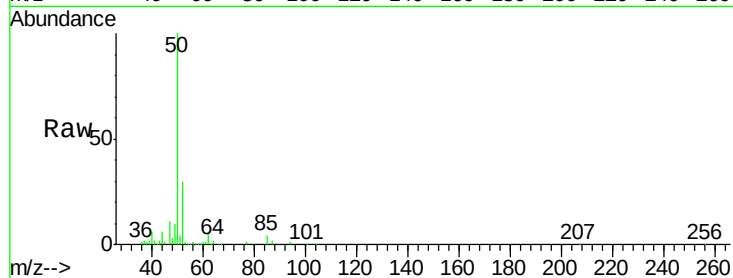
VSTDICCC050

Tot Ion: 50 Resp: 184198

Ion Ratio Lower Upper

50 100

52 29.8 26.2 39.4



#4

Vinyl Chloride

Concen: 50.787 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061825.D

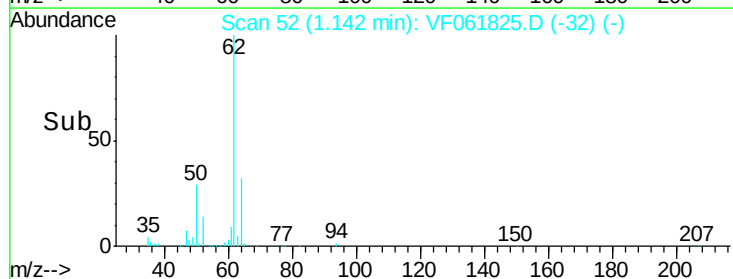
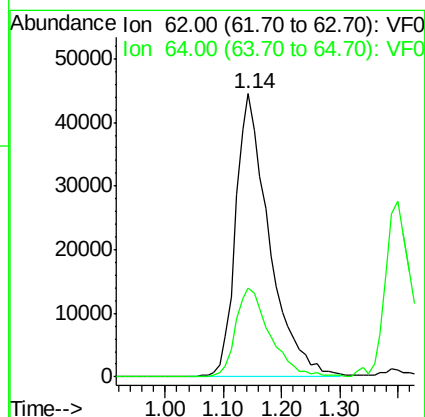
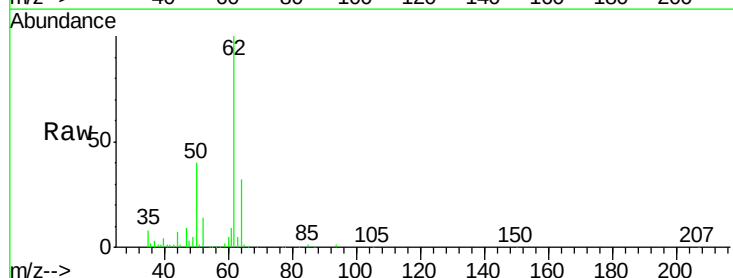
Acq: 4 Mar 2019 17:30

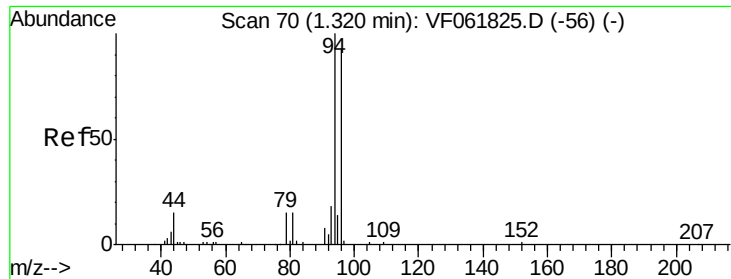
Tgt Ion: 62 Resp: 179127

Ion Ratio Lower Upper

62 100

64 31.5 27.5 41.3





#5

Bromomethane

Concen: 51.447 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

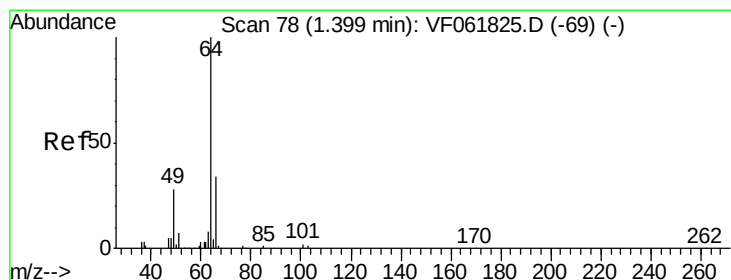
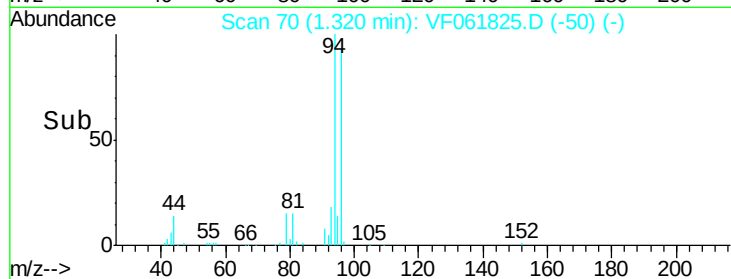
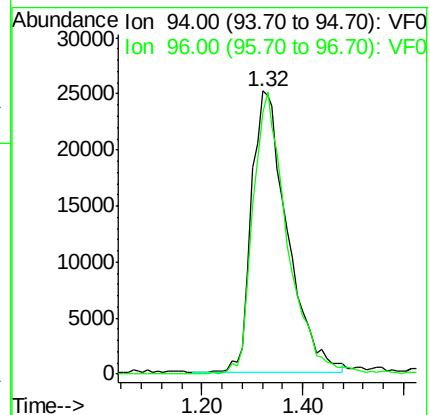
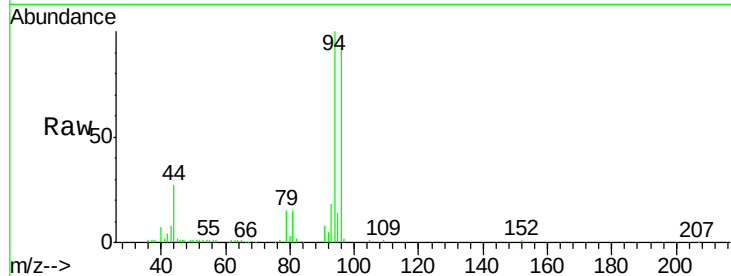
VSTDICCC050

Tot Ion: 94 Resp: 124884

Ion Ratio Lower Upper

94 100

96 94.0 74.6 112.0



#6

Chloroethane

Concen: 50.783 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061825.D

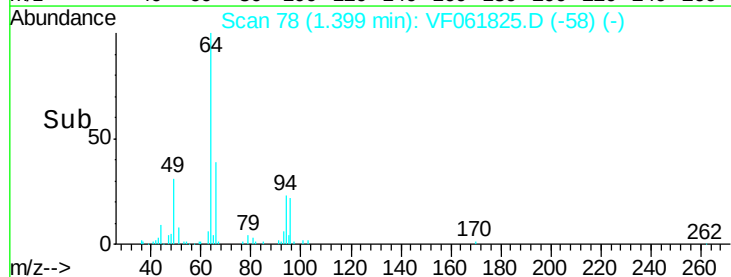
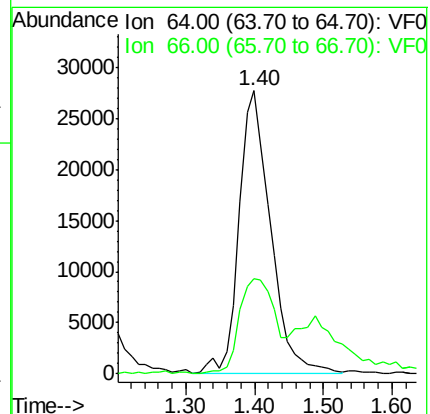
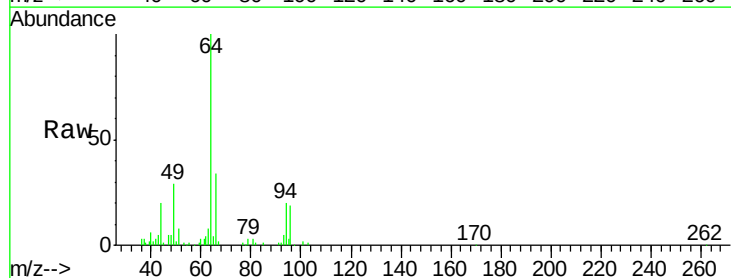
Acq: 4 Mar 2019 17:30

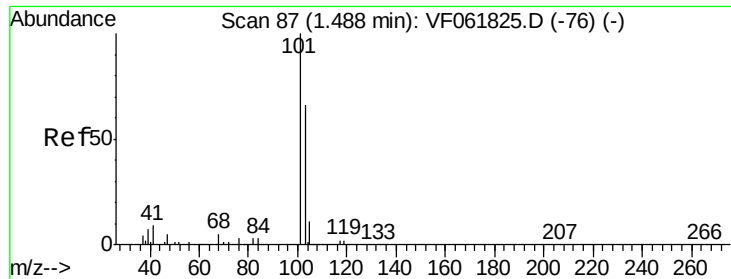
Tgt Ion: 64 Resp: 88269

Ion Ratio Lower Upper

64 100

66 33.7 27.9 41.9



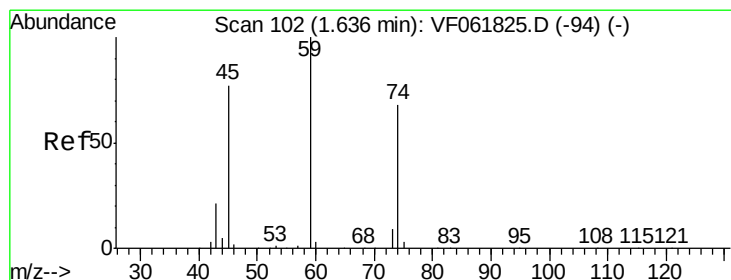
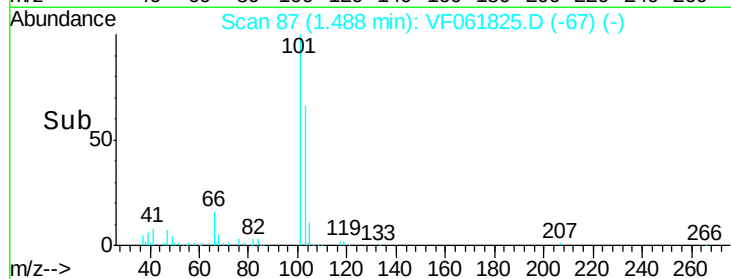
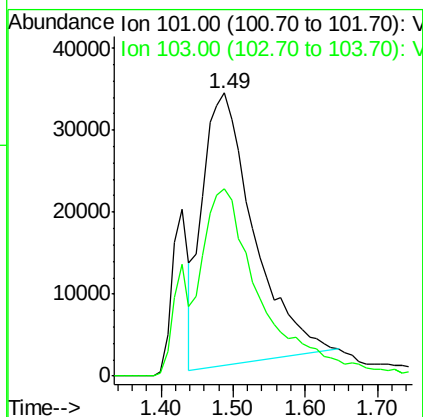
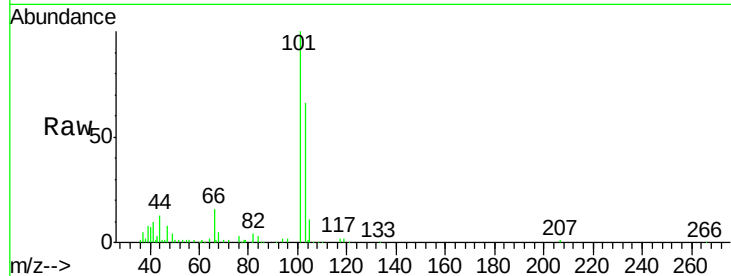


#7

Trichlorofluoromethane
Concen: 38.235 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

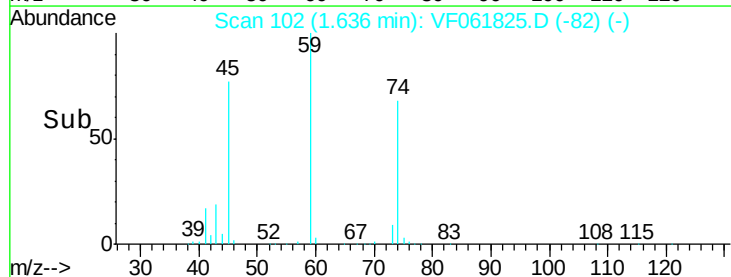
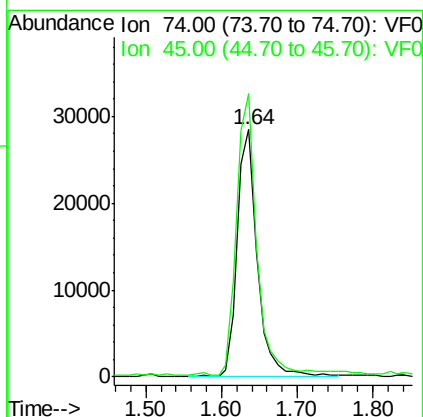
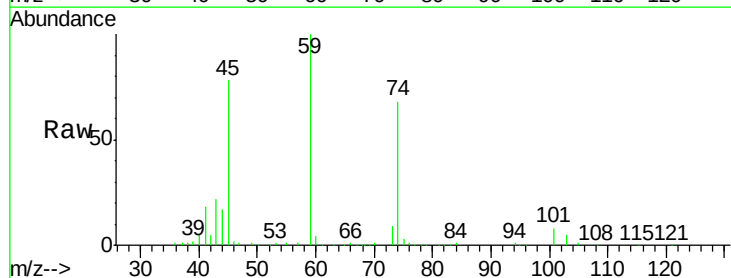
Tot Ion:101 Resp: 162652
Ion Ratio Lower Upper
101 100
103 66.0 49.3 73.9

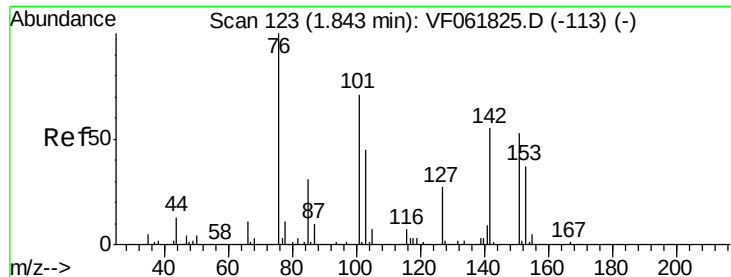


#8

Diethyl Ether
Concen: 48.512 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 74 Resp: 52008
Ion Ratio Lower Upper
74 100
45 114.4 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.555 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

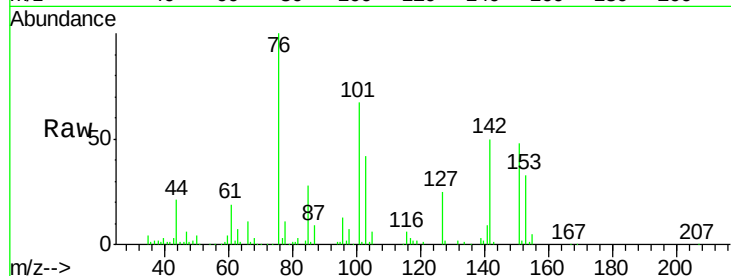
Tot Ion:101 Resp: 145942

Ion Ratio Lower Upper

101 100

85 42.5 29.8 44.6

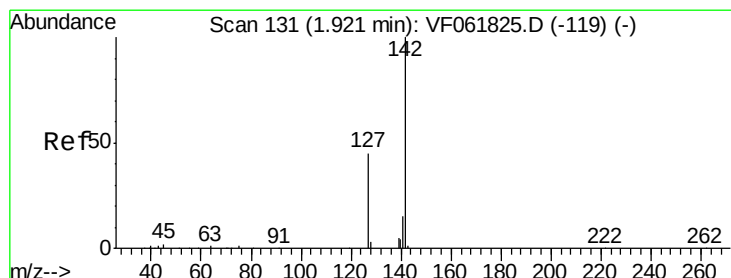
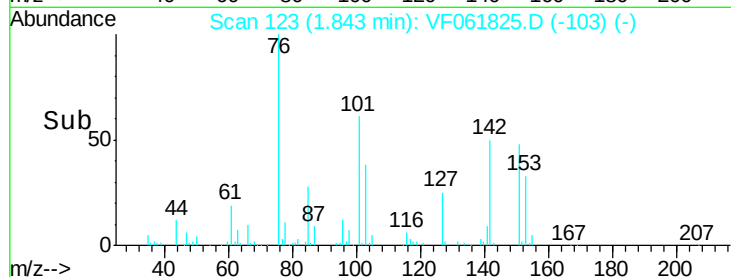
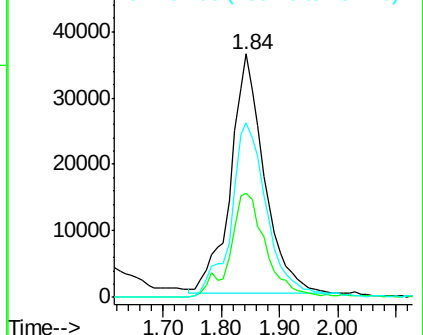
151 71.6 56.3 84.5



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: 38.598 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

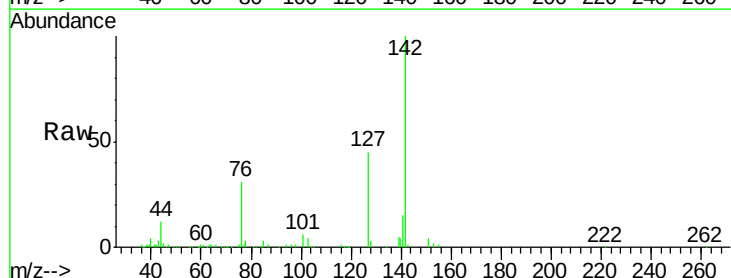
Tgt Ion:142 Resp: 226270

Ion Ratio Lower Upper

142 100

127 44.7 36.6 55.0

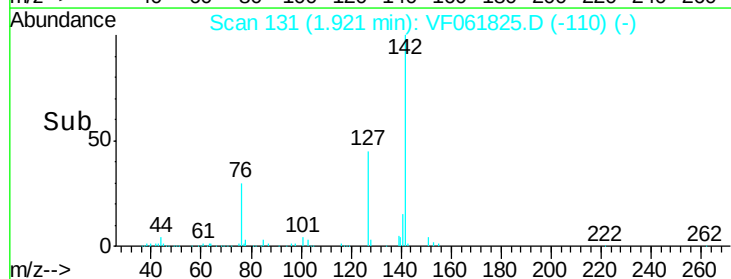
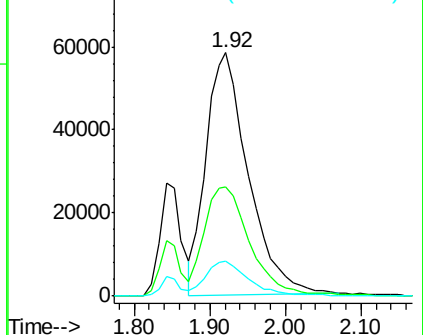
141 14.6 11.0 16.6

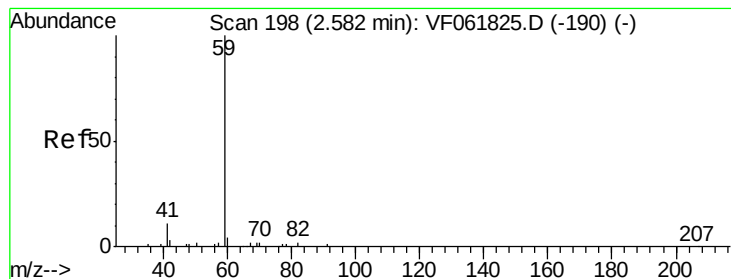


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



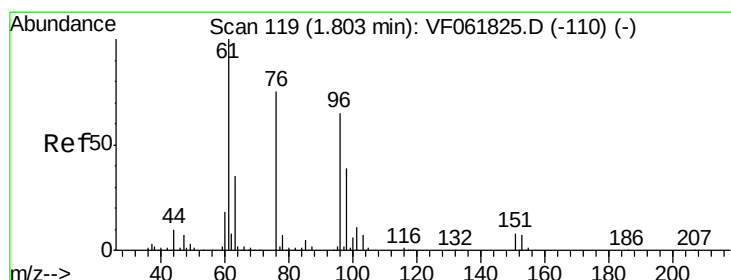
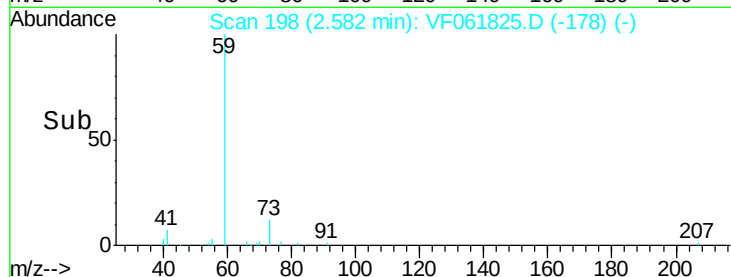
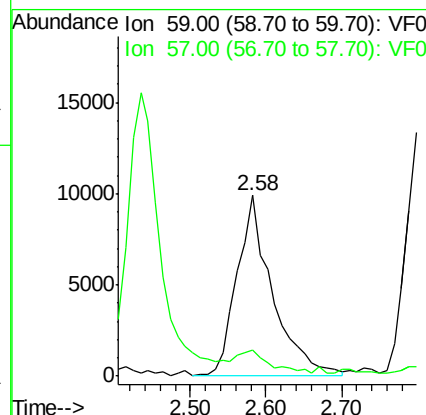
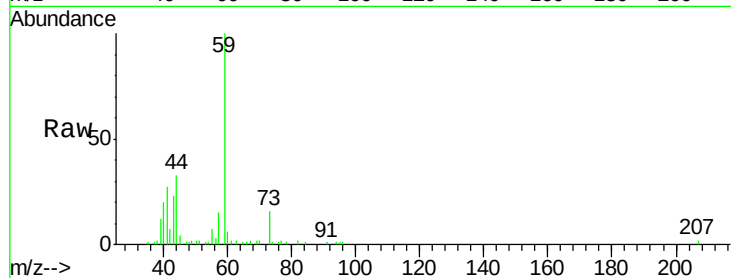


#11

Tert butyl alcohol
 Concen: 242.806 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

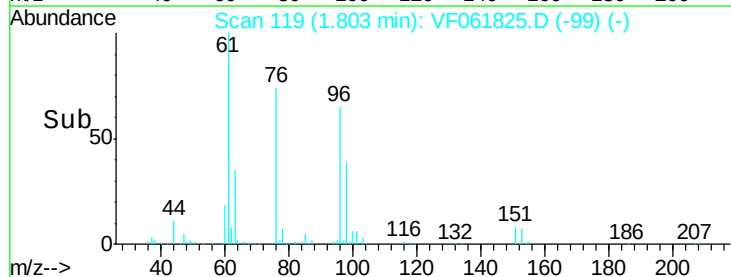
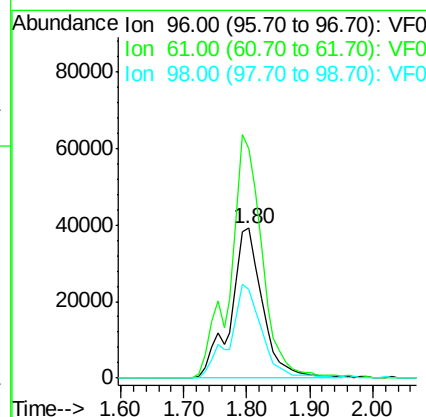
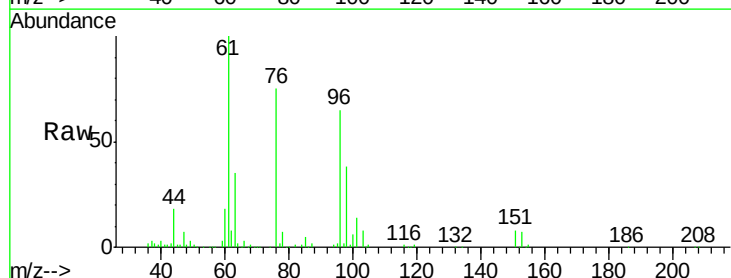
Tot Ion: 59 Resp: 32447
 Ion Ratio Lower Upper
 59 100
 57 14.7 12.5 18.7

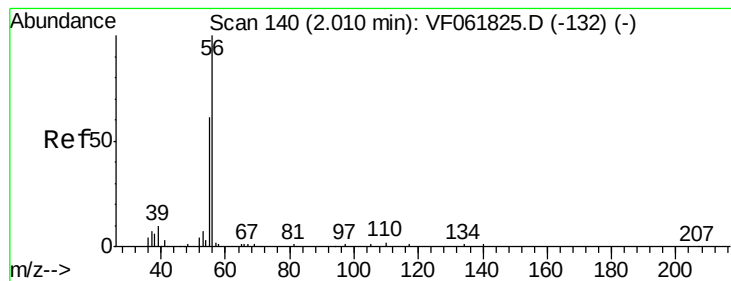


#12

1,1-Dichloroethene
 Concen: 50.087 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion: 96 Resp: 135145
 Ion Ratio Lower Upper
 96 100
 61 153.1 122.6 184.0
 98 58.9 47.2 70.8





#13

Acrolein

Concen: 240.781 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

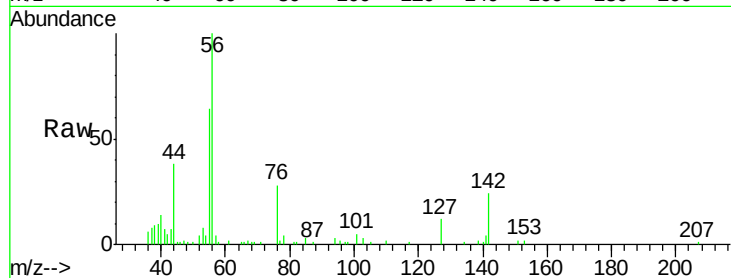
VSTDICCC050

Tot Ion: 56 Resp: 40440

Ion Ratio Lower Upper

56 100

55 64.1 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

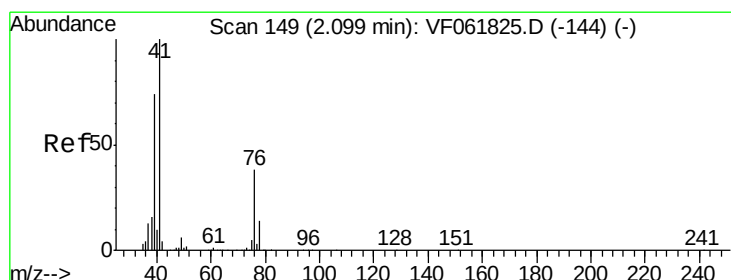
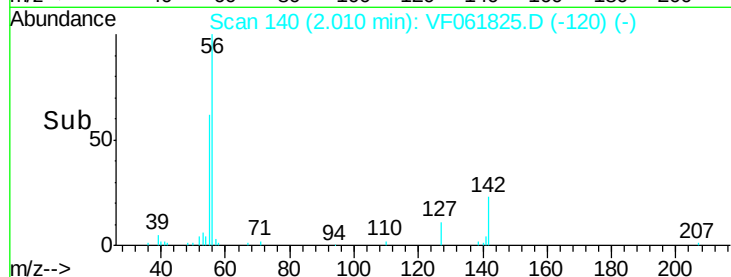
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 45.123 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

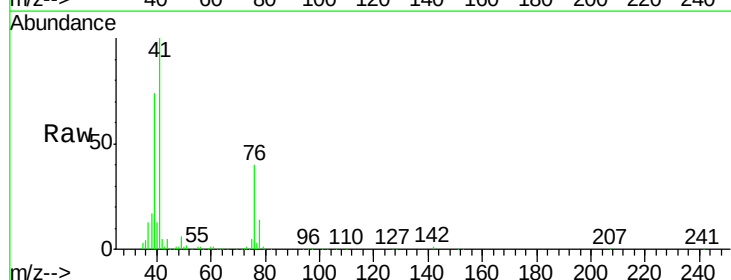
Tgt Ion: 41 Resp: 149400

Ion Ratio Lower Upper

41 100

39 74.5 61.6 92.4

76 40.4 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

100000

80000

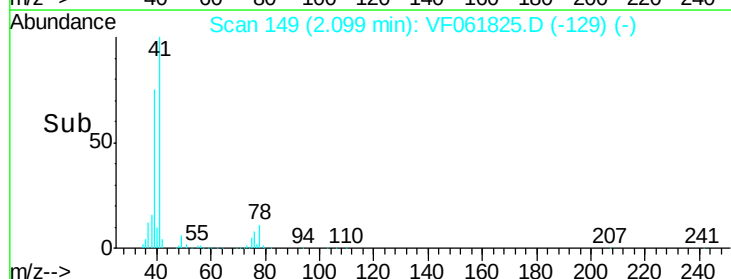
60000

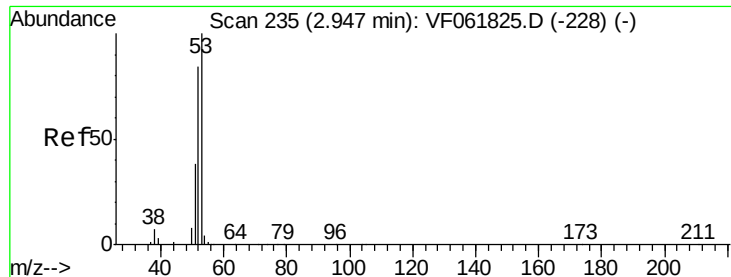
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 215.839 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

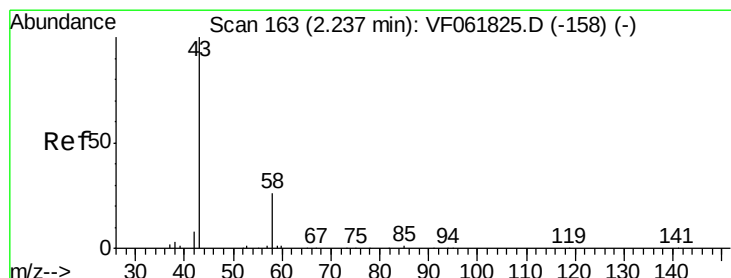
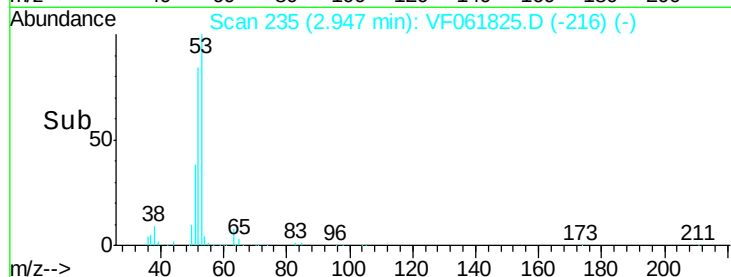
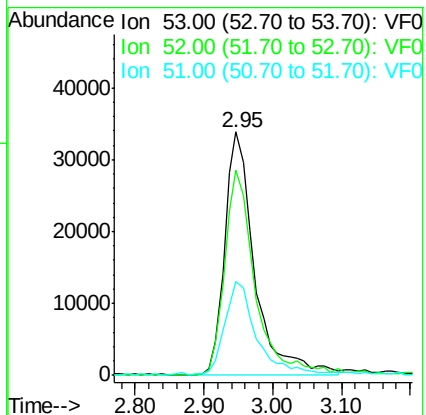
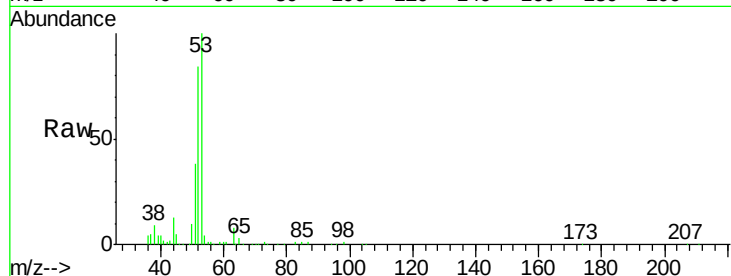
Tot Ion: 53 Resp: 102308

Ion Ratio Lower Upper

53 100

52 84.2 64.6 97.0

51 38.4 29.8 44.8



#16

Acetone

Concen: 240.394 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061825.D

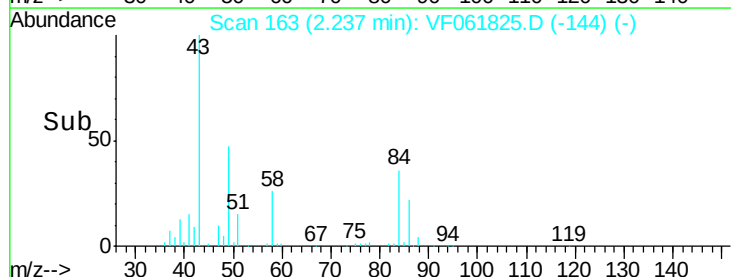
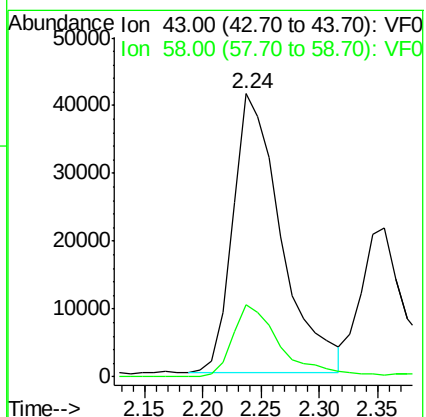
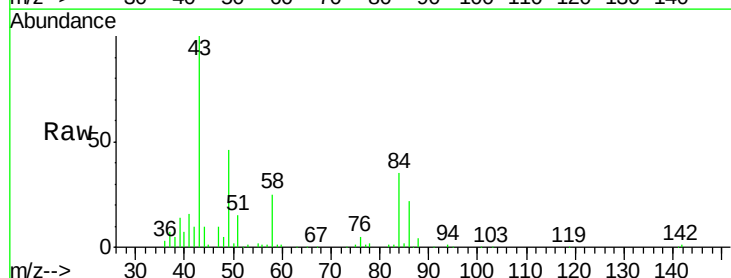
Acq: 4 Mar 2019 17:30

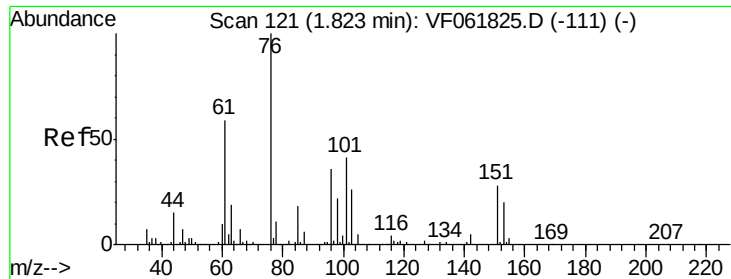
Tgt Ion: 43 Resp: 119096

Ion Ratio Lower Upper

43 100

58 25.4 22.9 34.3





#17

Carbon Disulfide

Concen: 37.906 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

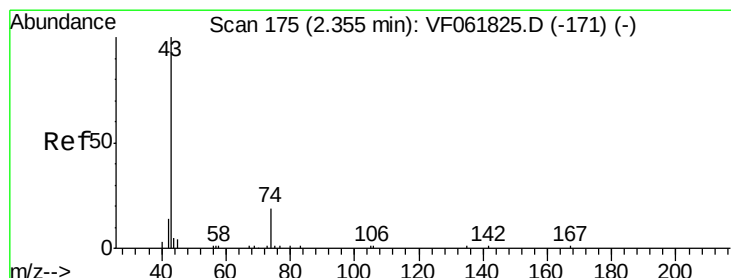
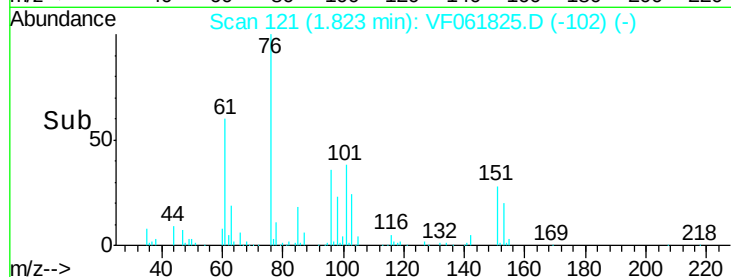
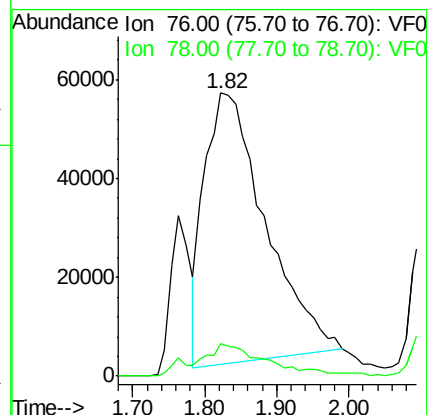
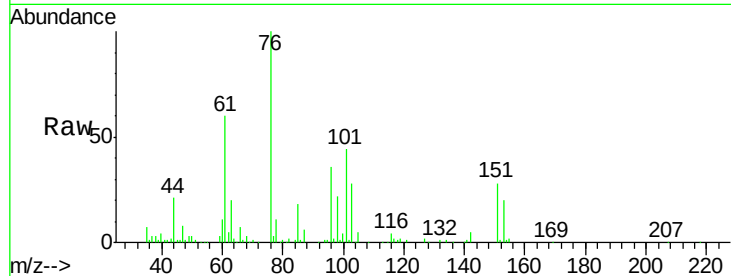
VSTDICCC050

Tot Ion: 76 Resp: 321496

Ion Ratio Lower Upper

76 100

78 11.4 7.9 11.9



#18

Methyl Acetate

Concen: 44.897 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF061825.D

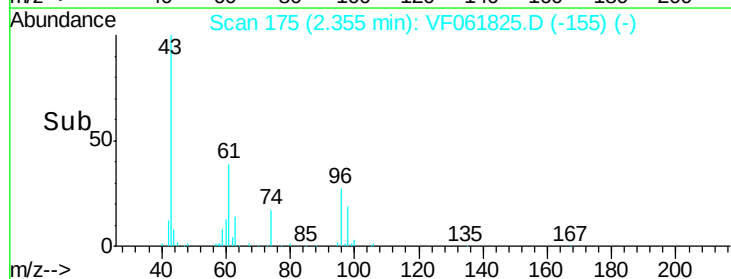
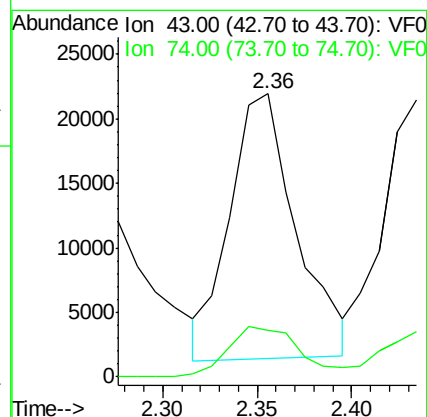
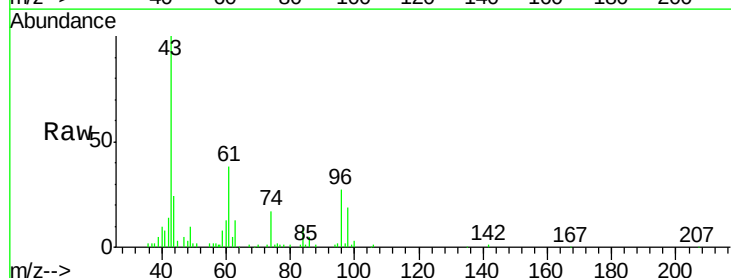
Acq: 4 Mar 2019 17:30

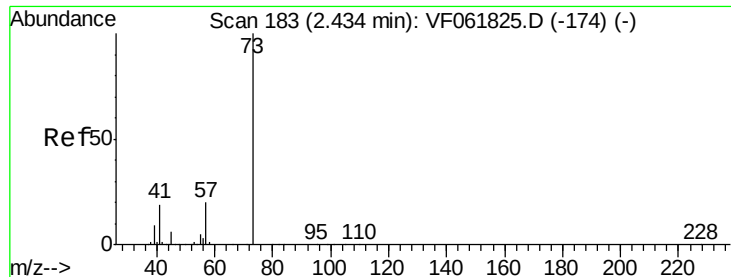
Tgt Ion: 43 Resp: 50108

Ion Ratio Lower Upper

43 100

74 16.5 14.6 21.8



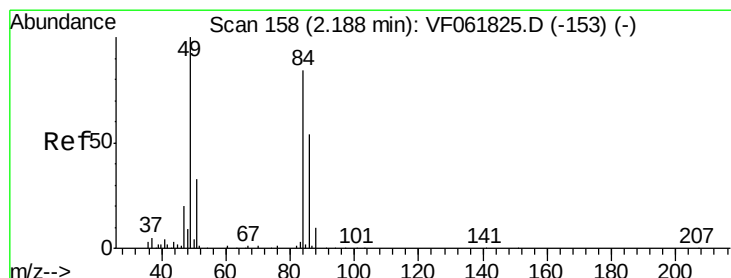
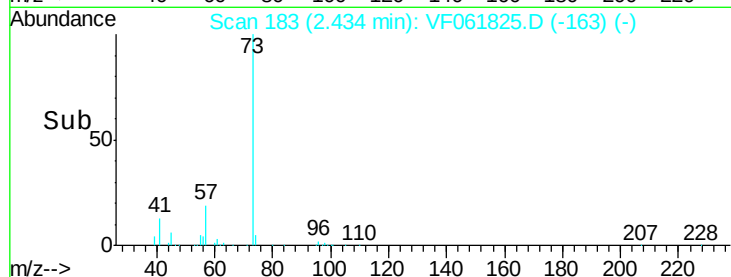
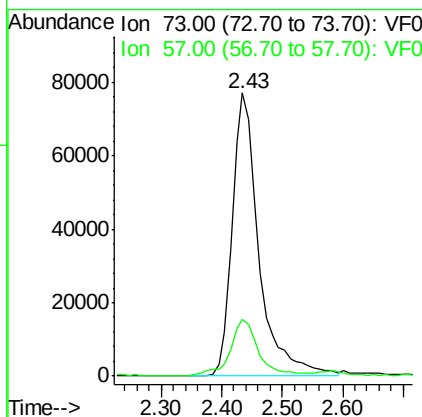
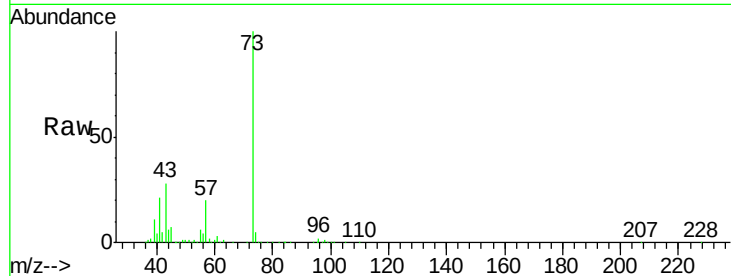


#19

Methyl tert-butyl Ether
 Concen: 51.261 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

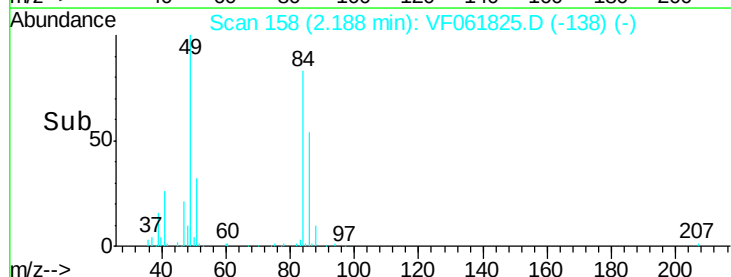
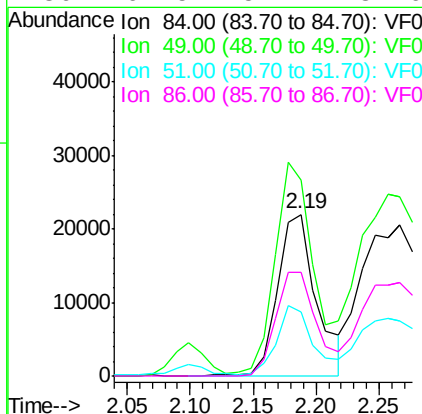
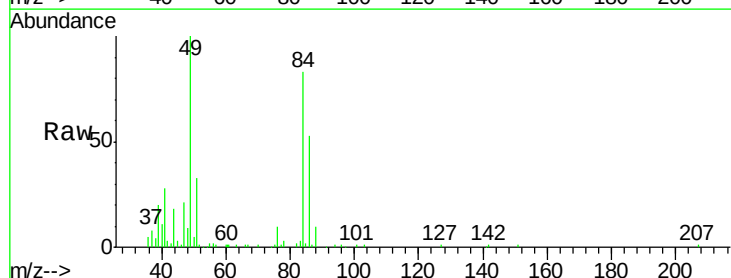
Tot Ion: 73 Resp: 236384
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.8 23.8

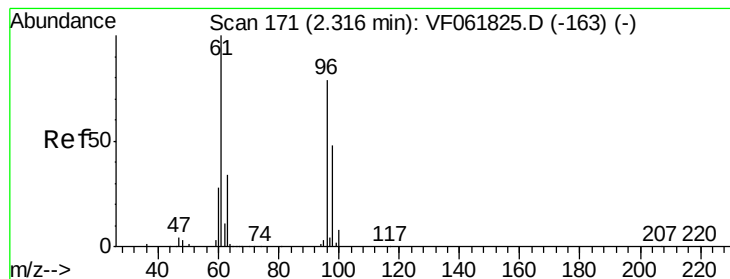


#20

Methylene Chloride
 Concen: 15.794 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion: 84 Resp: 47269
 Ion Ratio Lower Upper
 84 100
 49 121.0 101.8 152.8
 51 39.7 31.1 46.7
 86 64.5 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 40.990 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

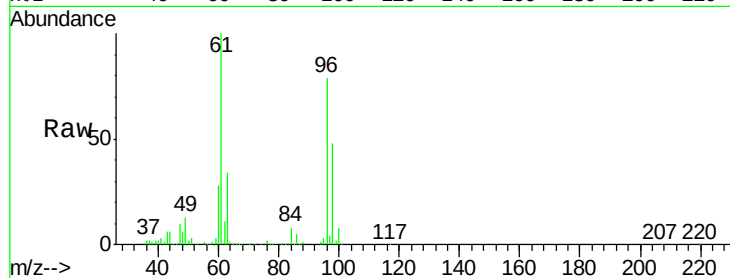
Tot Ion: 96 Resp: 120230

Ion Ratio Lower Upper

96 100

61 126.3 108.2 162.4

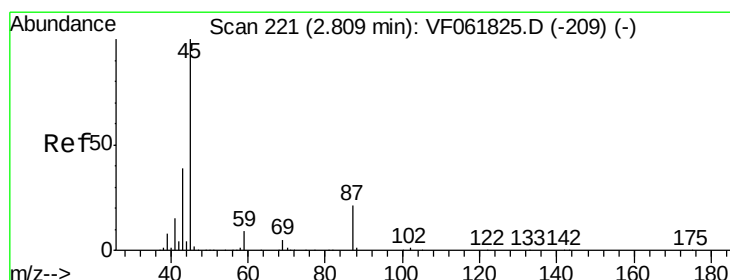
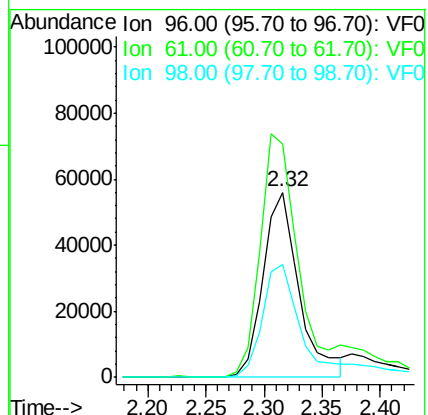
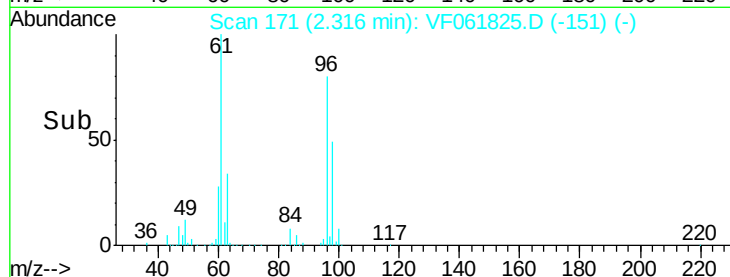
98 61.0 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 49.734 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion: 45 Resp: 395274

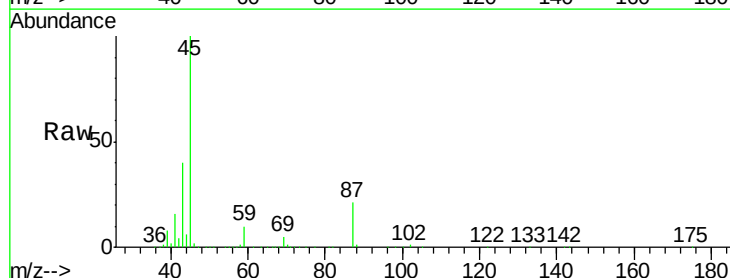
Ion Ratio Lower Upper

45 100

43 39.8 31.4 47.2

87 21.4 16.3 24.5

59 9.7 8.7 13.1

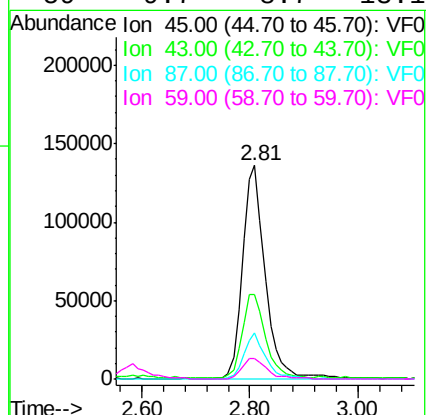
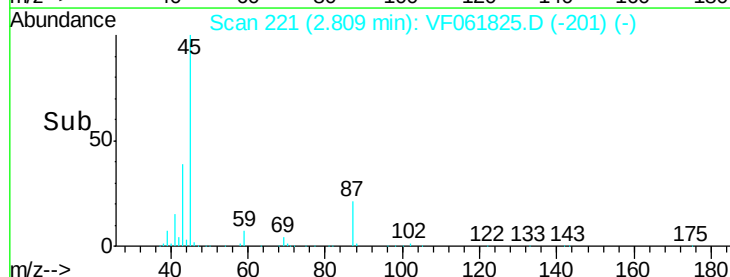


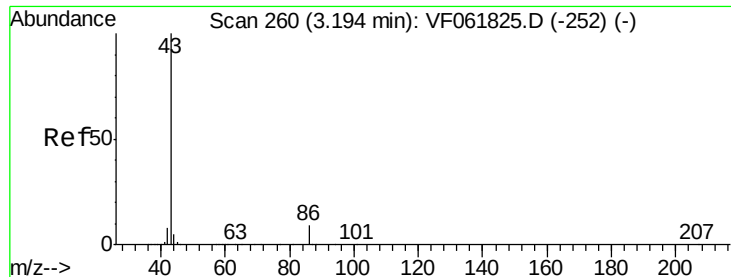
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 227.855 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

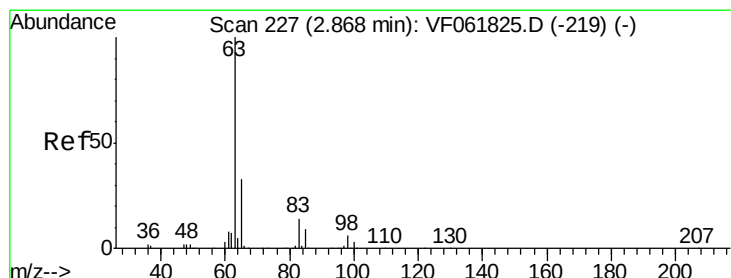
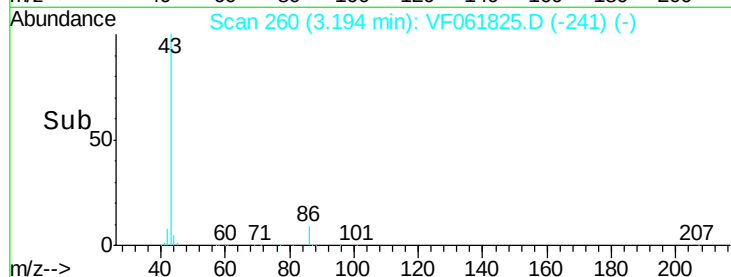
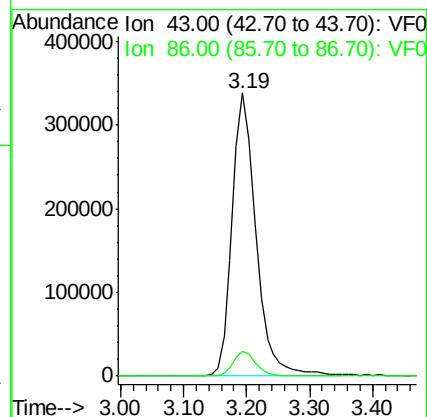
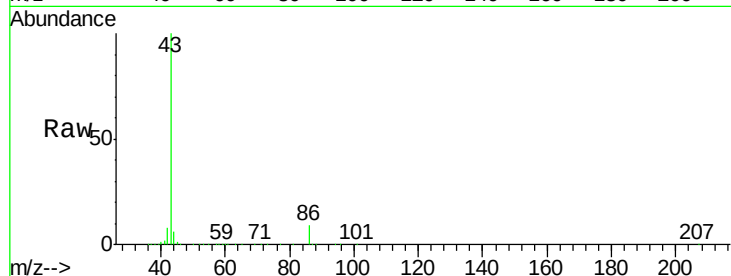
VSTDICCC050

Tot Ion: 43 Resp: 884514

Ion Ratio Lower Upper

43 100

86 8.7 7.5 11.3



#24

1,1-Dichloroethane

Concen: 48.128 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

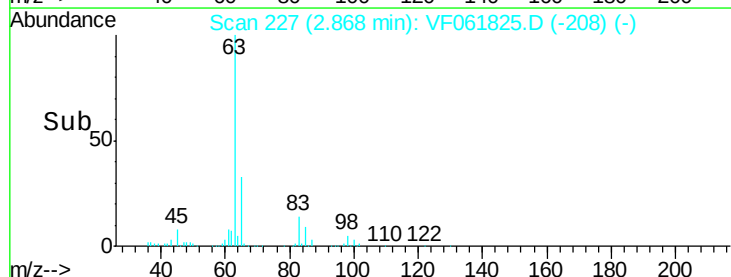
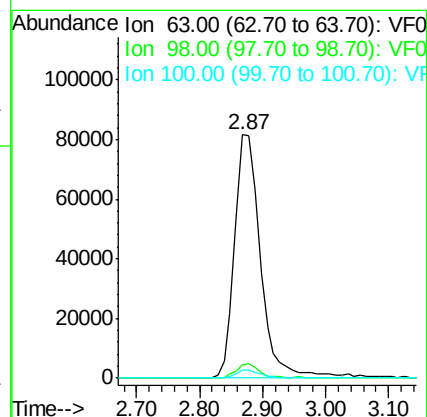
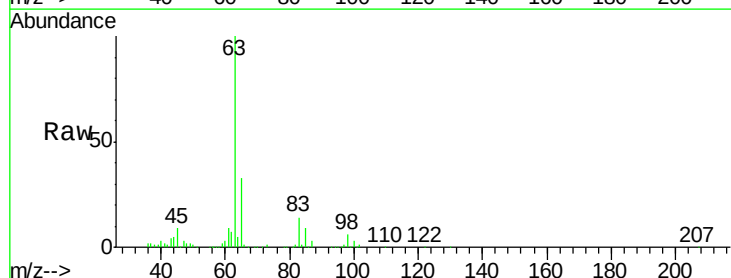
Tgt Ion: 63 Resp: 231480

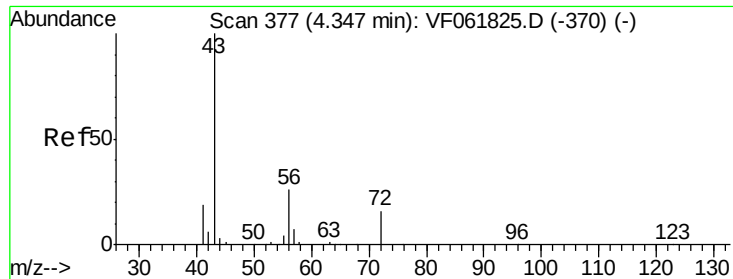
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 224.796 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

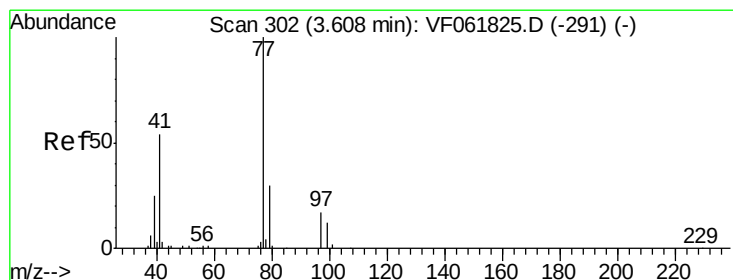
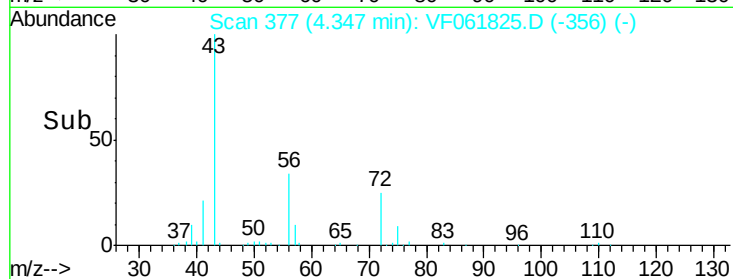
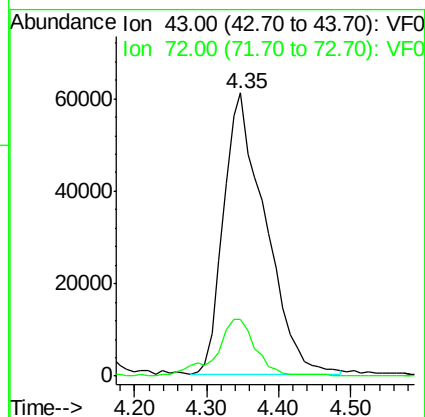
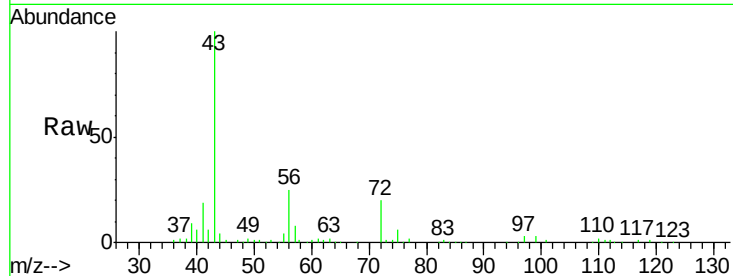
VSTDICCC050

Tot Ion: 43 Resp: 243263

Ion Ratio Lower Upper

43 100

72 20.3 17.1 25.7



#26

2,2-Dichloropropane

Concen: 50.853 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061825.D

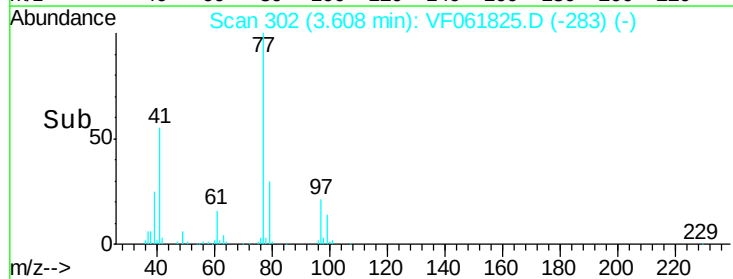
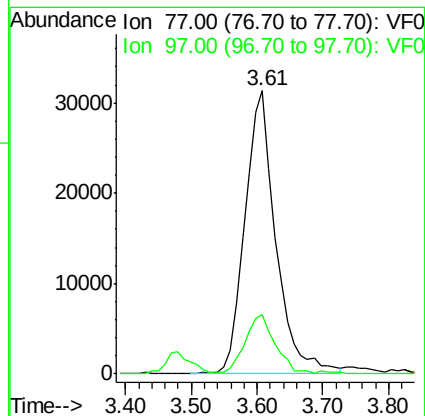
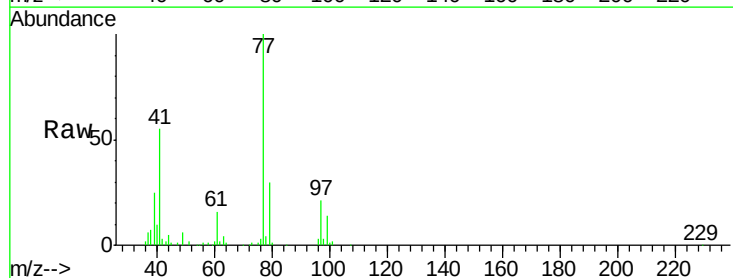
Acq: 4 Mar 2019 17:30

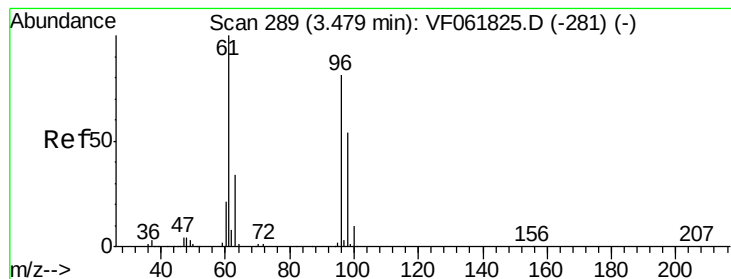
Tgt Ion: 77 Resp: 103602

Ion Ratio Lower Upper

77 100

97 20.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 47.818 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

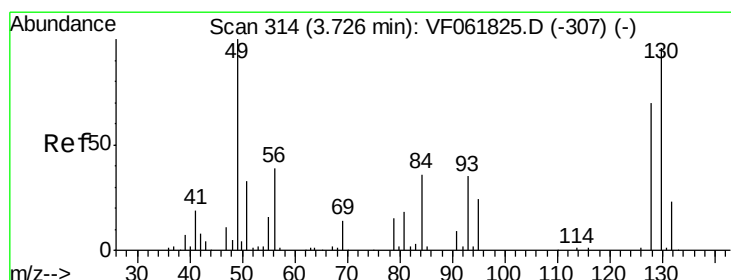
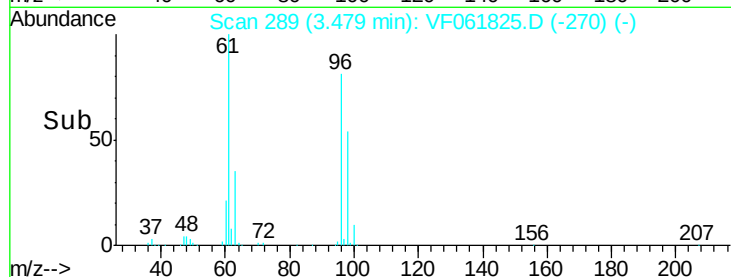
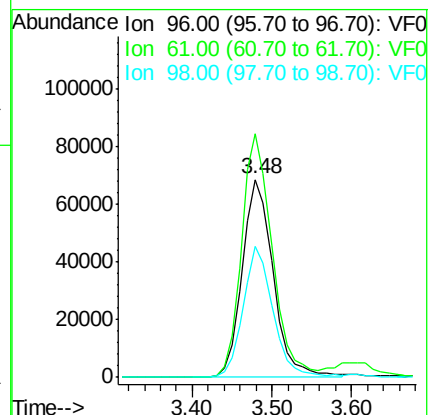
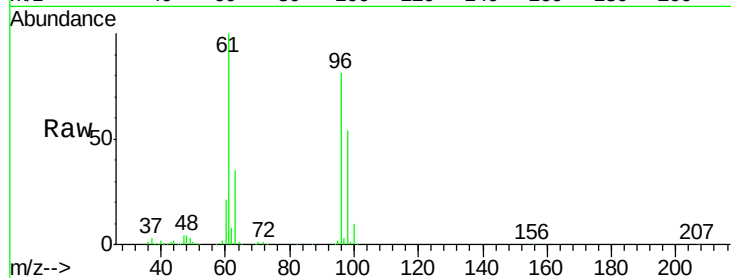
Tot Ion: 96 Resp: 184098

Ion Ratio Lower Upper

96 100

61 122.9 0.0 241.6

98 66.3 0.0 130.2



#28

Bromochloromethane

Concen: 41.202 ug/l

RT: 3.73 min Scan# 314

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

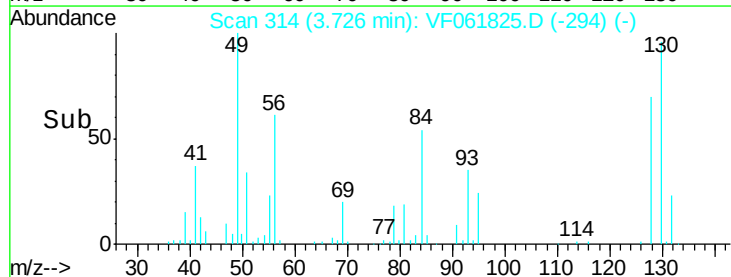
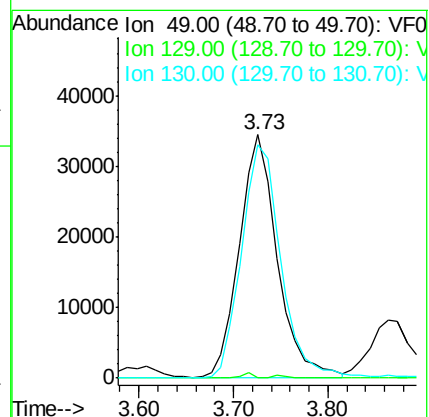
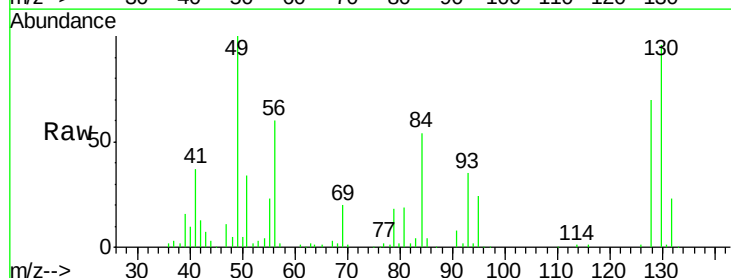
Tgt Ion: 49 Resp: 95085

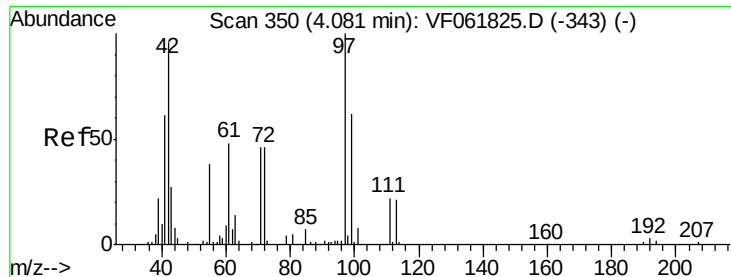
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 96.1 77.7 116.5

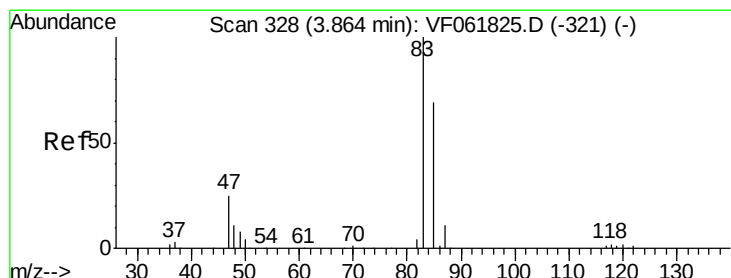
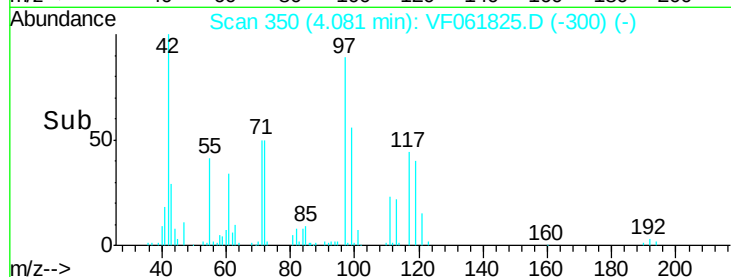
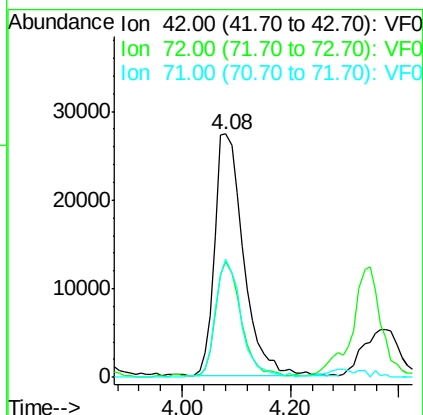
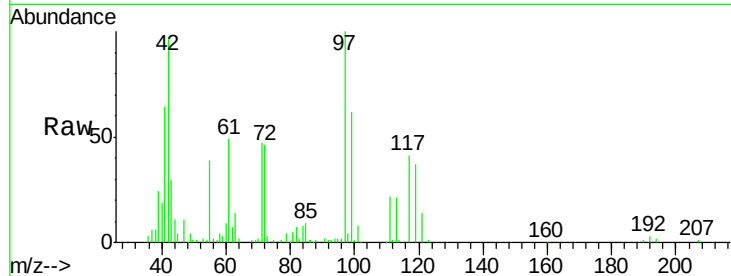




#29
Tetrahydrofuran
Concen: 204.684 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

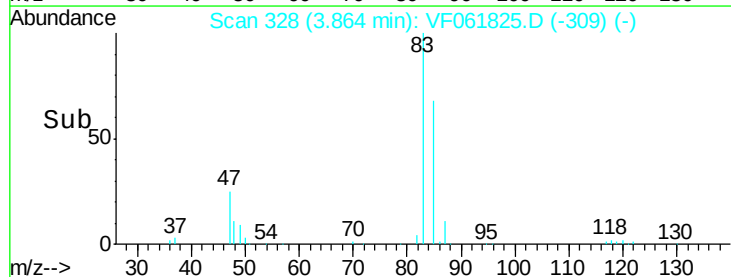
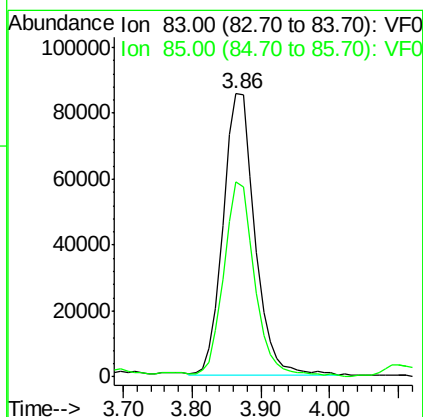
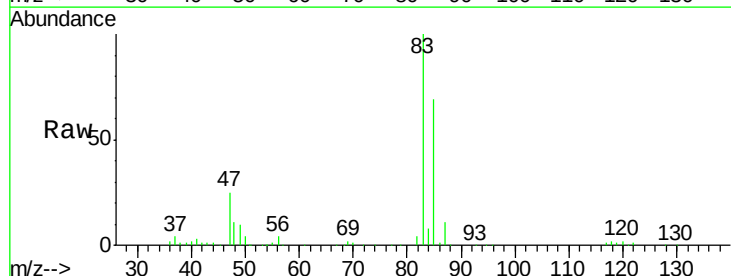
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

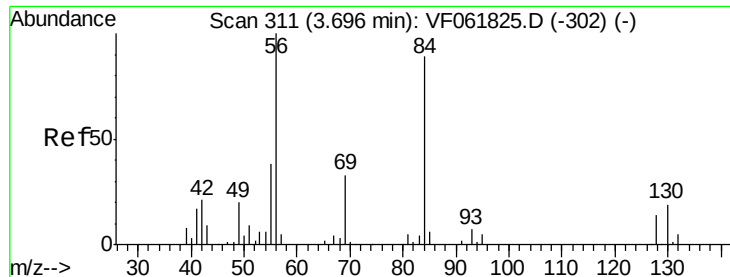
Tot Ion: 42 Resp: 100673
Ion Ratio Lower Upper
42 100
72 43.0 35.2 52.8
71 43.3 32.9 49.3



#30
Chloroform
Concen: 49.873 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 83 Resp: 272793
Ion Ratio Lower Upper
83 100
85 69.1 51.1 76.7

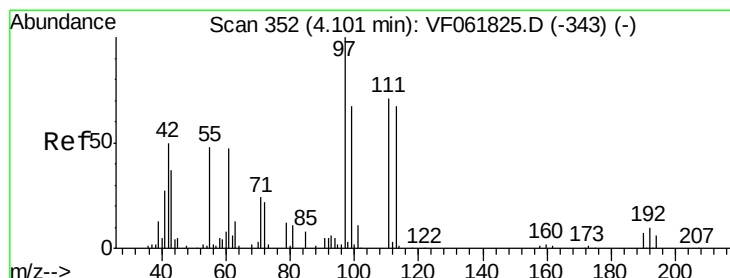
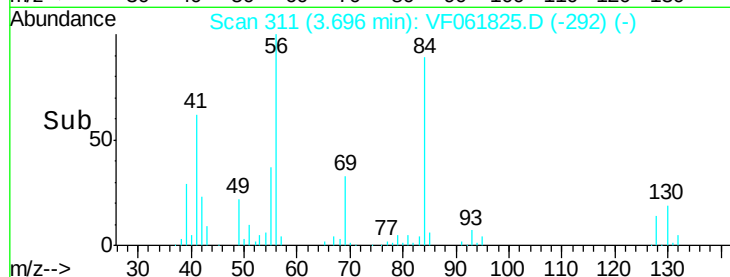
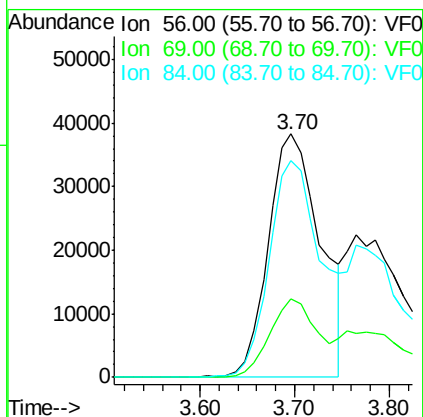
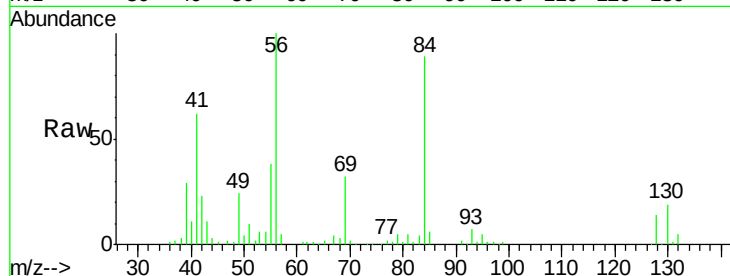




#31
Cyclohexane
Concen: 28.307 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

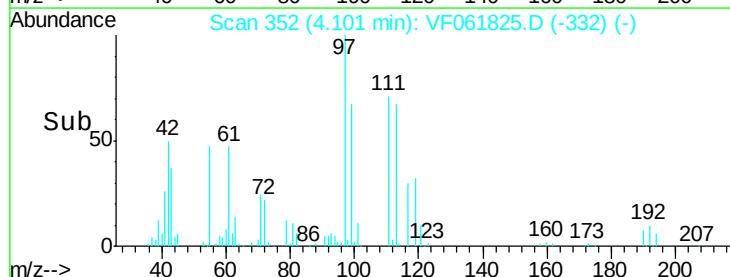
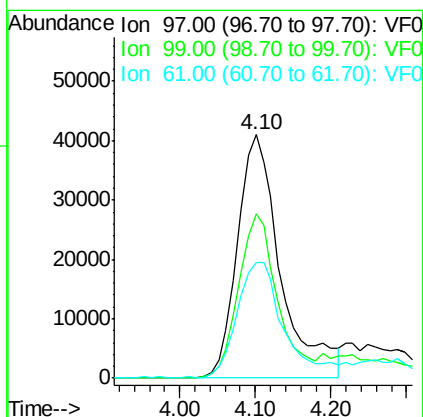
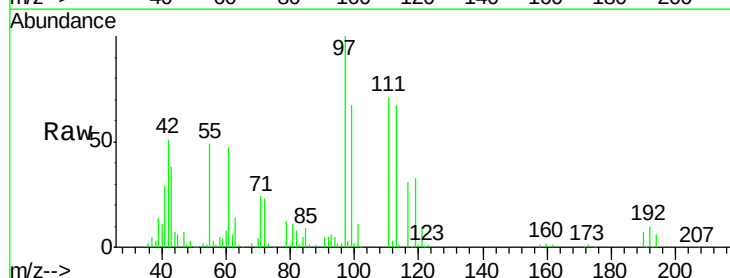
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

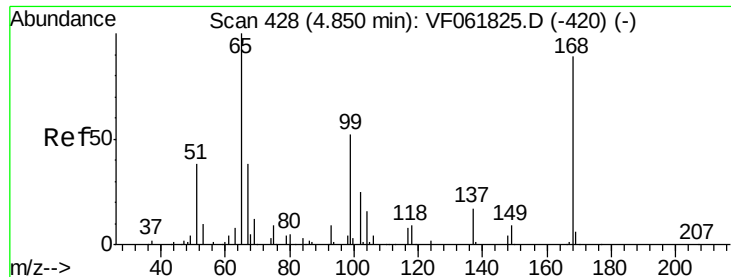
Tot Ion: 56 Resp: 147386
Ion Ratio Lower Upper
56 100
69 32.5 23.8 35.8
84 88.8 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 45.651 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 97 Resp: 163567
Ion Ratio Lower Upper
97 100
99 67.3 52.2 78.2
61 47.4 39.2 58.8

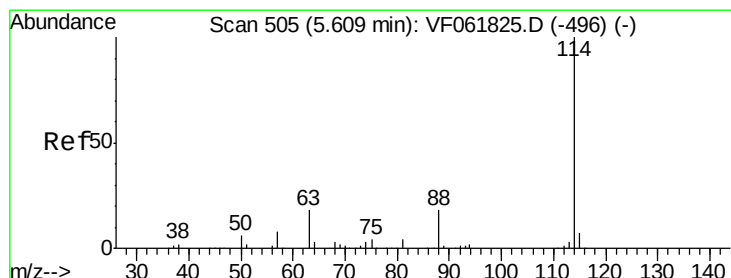
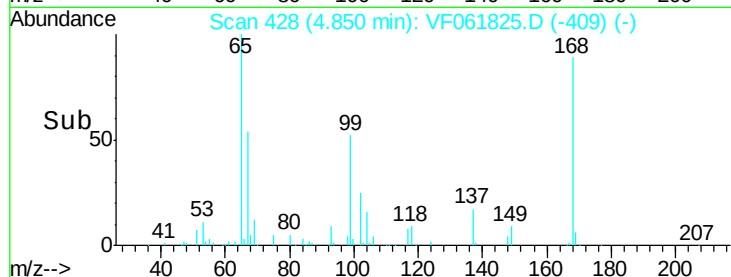
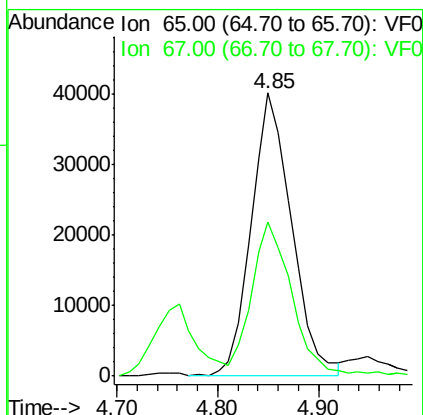
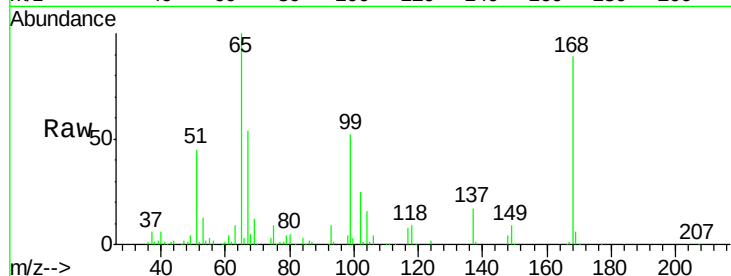




#33
 1,2-Dichloroethane-d4
 Concen: 48.665 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

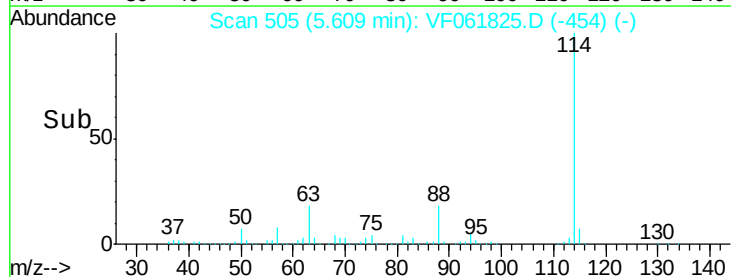
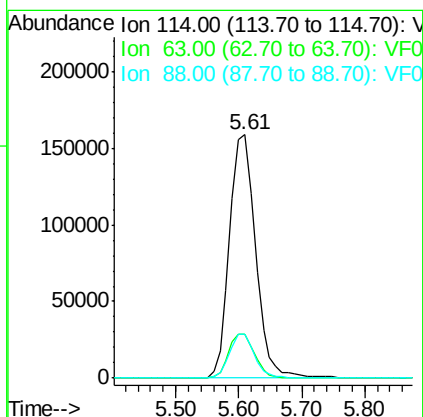
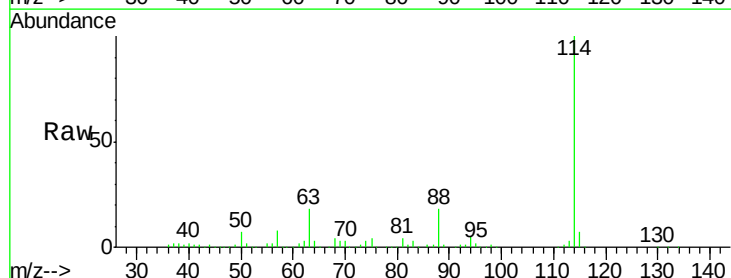
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

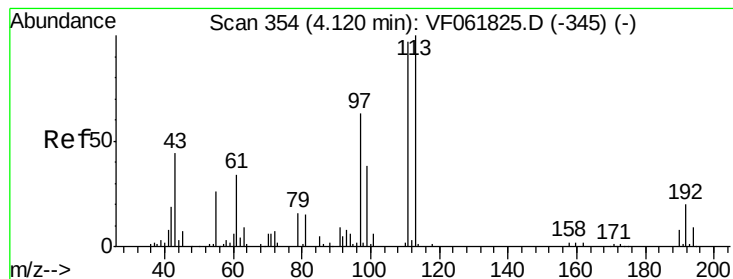
Tot Ion: 65 Resp: 112371
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion: 114 Resp: 456249
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.6
 88 17.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 45.368 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

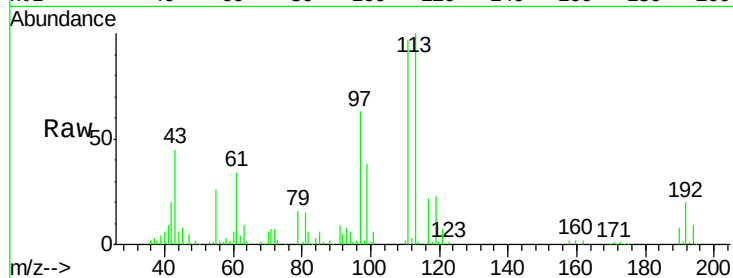
Tot Ion:113 Resp: 153714

Ion Ratio Lower Upper

113 100

111 97.0 78.8 118.2

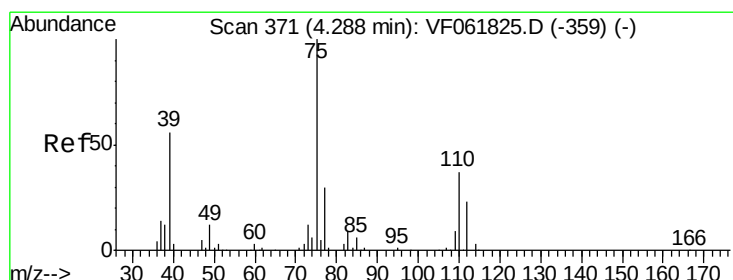
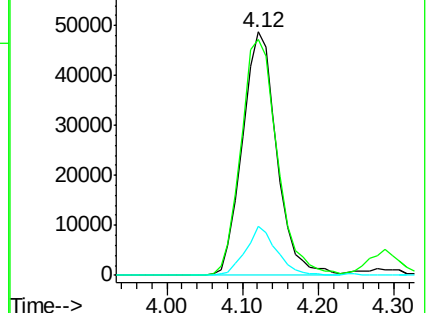
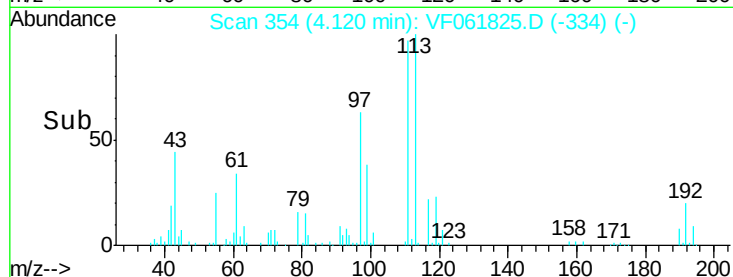
192 19.9 13.4 20.0



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: 49.883 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

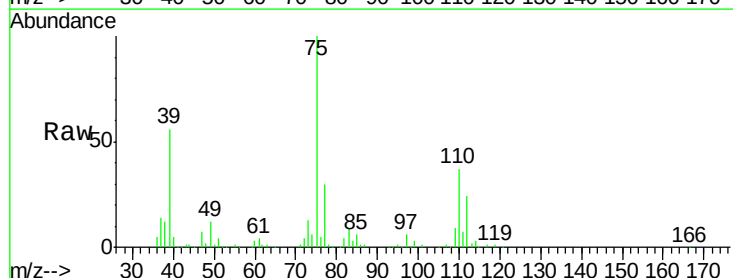
Tgt Ion: 75 Resp: 225455

Ion Ratio Lower Upper

75 100

110 37.1 20.5 61.6

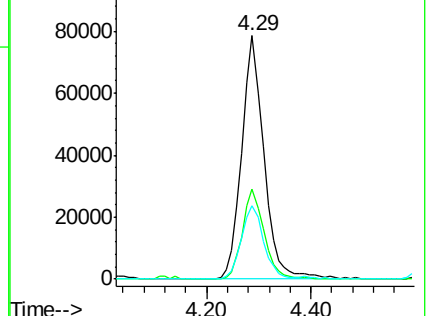
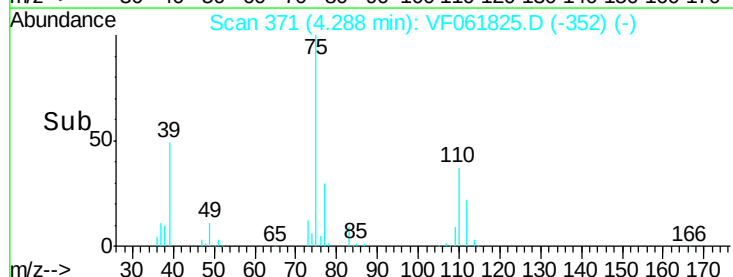
77 30.2 27.0 40.4

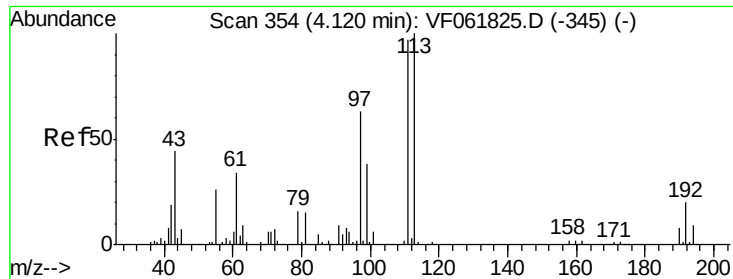


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

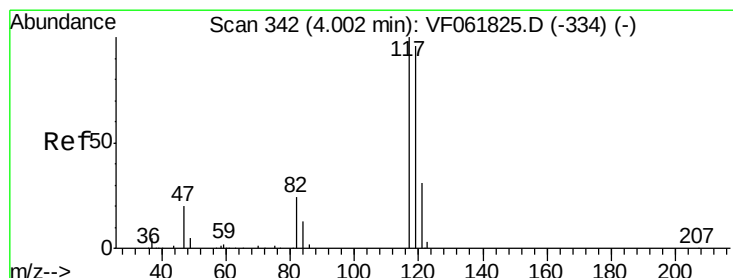
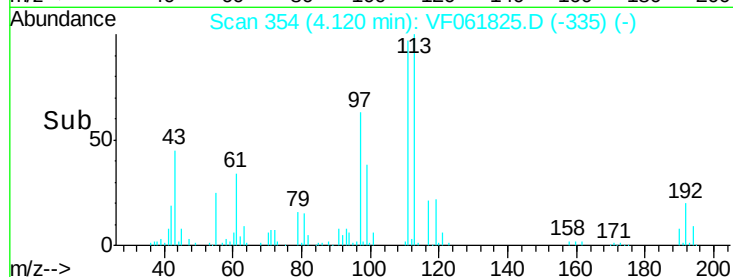
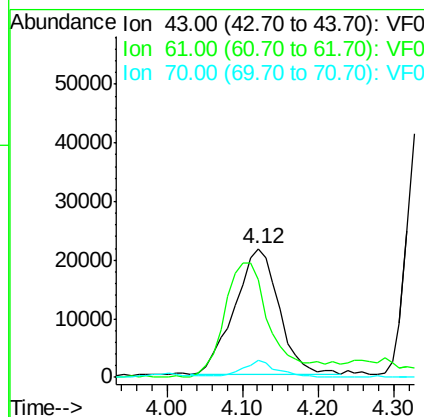
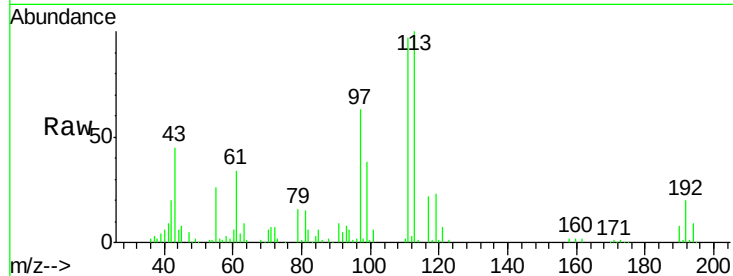




#37
Ethyl Acetate
Concen: 42.007 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

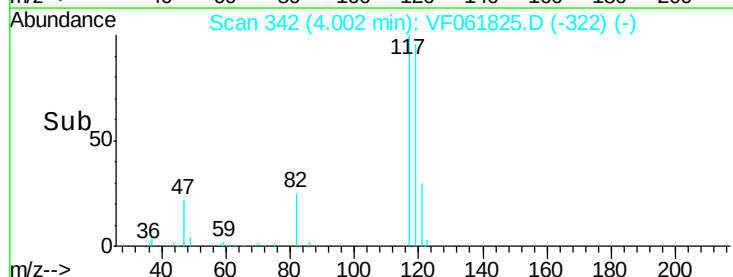
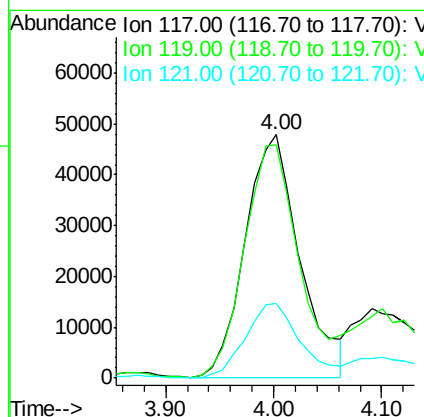
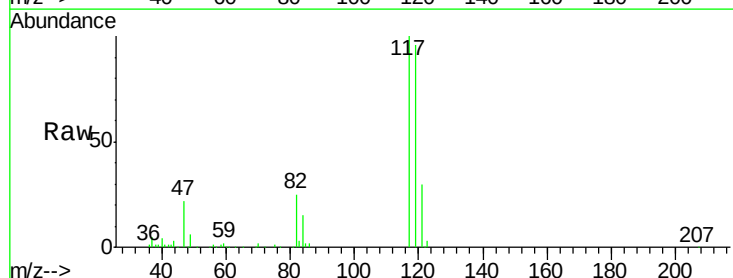
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

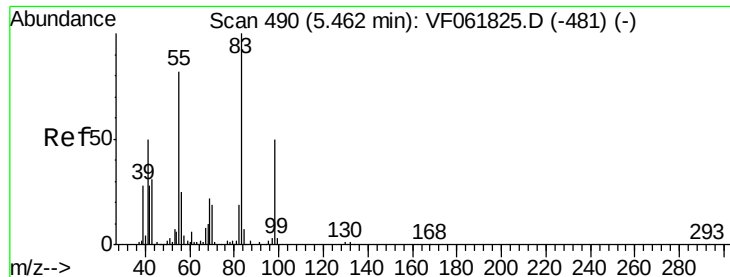
Tot Ion: 43 Resp: 88184
Ion Ratio Lower Upper
43 100
61 75.9 45.7 68.5#
70 13.2 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 53.390 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 117 Resp: 166626
Ion Ratio Lower Upper
117 100
119 95.7 75.6 113.4
121 30.5 25.2 37.8

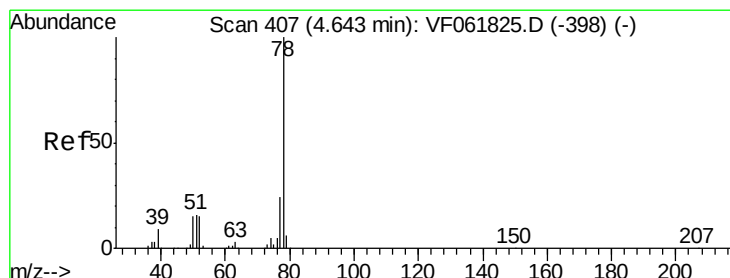
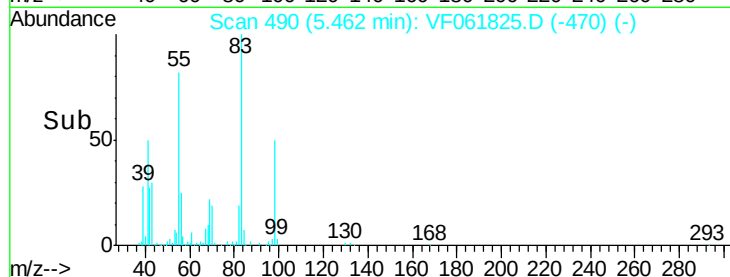
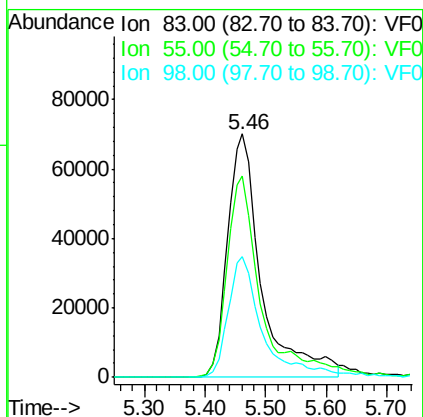
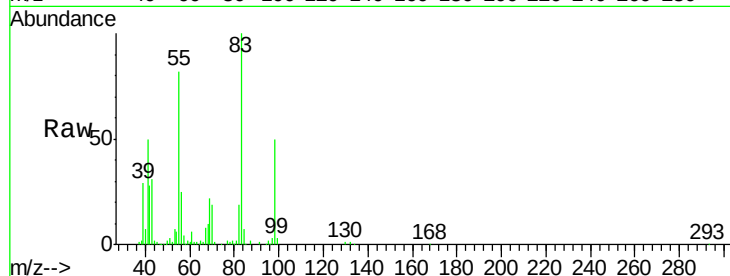




#39
Methylvlcyclohexane
Concen: 51.344 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

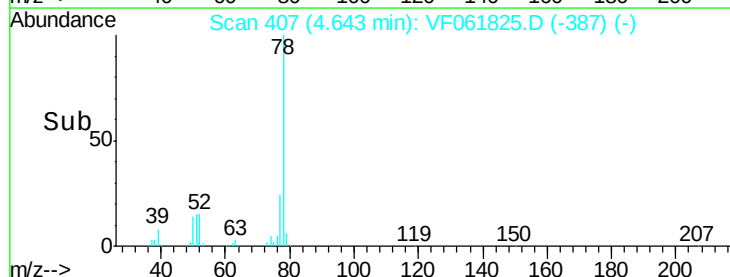
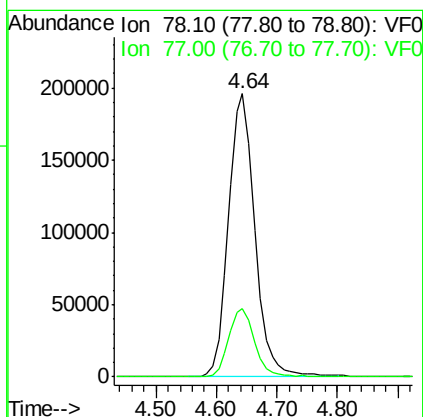
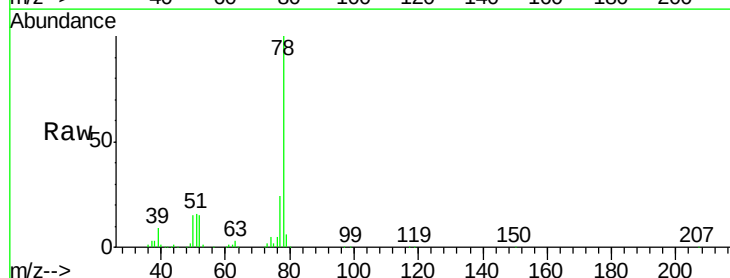
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

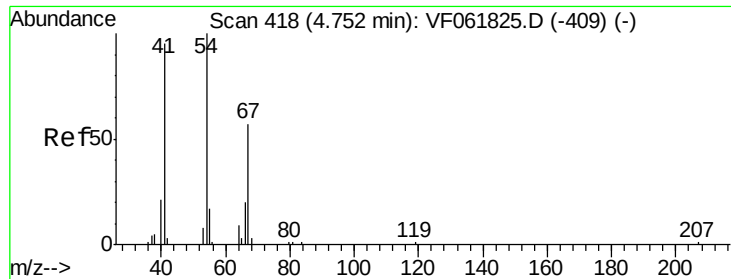
Tot Ion: 83 Resp: 274448
Ion Ratio Lower Upper
83 100
55 82.5 66.6 99.8
98 49.7 40.4 60.6



#40
Benzene
Concen: 50.287 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 78 Resp: 594498
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

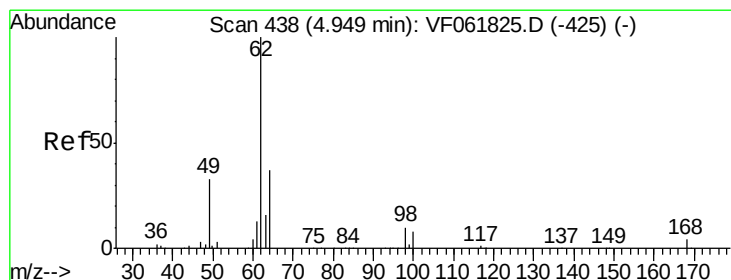
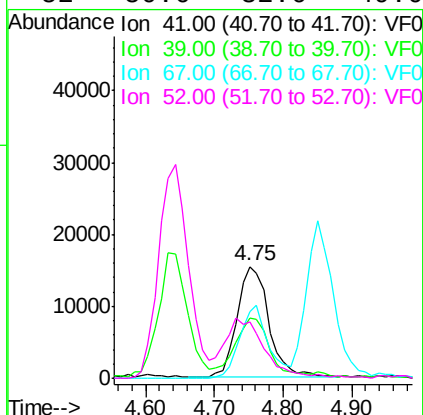
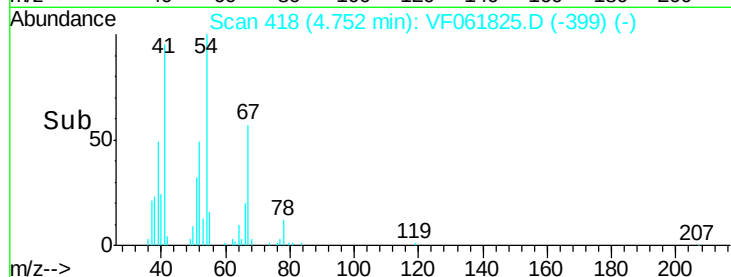
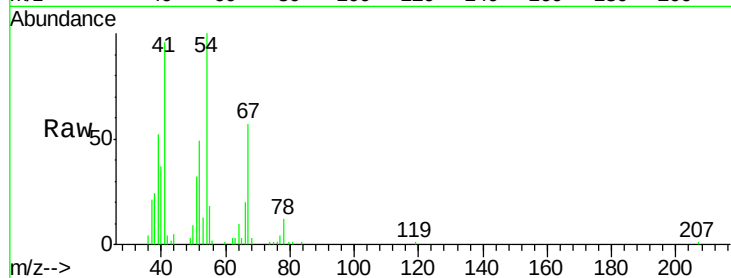




#41
Methacrylonitrile
Concen: 46.159 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

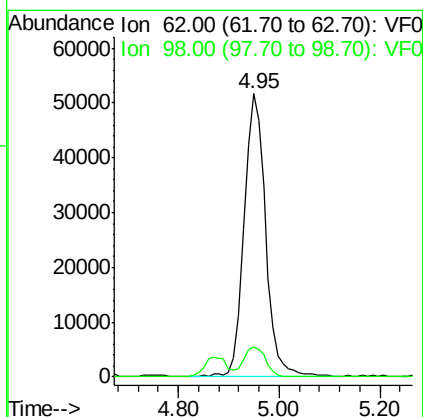
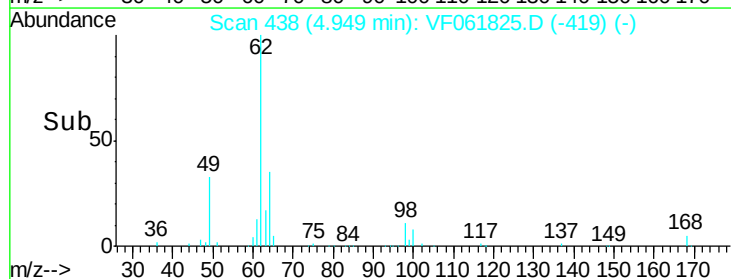
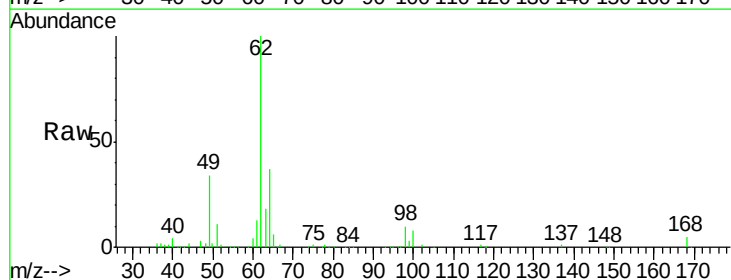
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

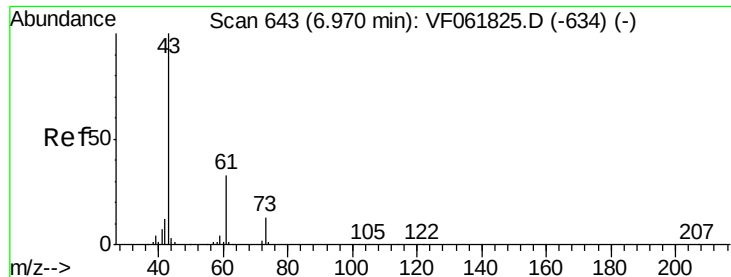
Tot Ion: 41 Resp: 49555
Ion Ratio Lower Upper
41 100
39 53.8 45.3 67.9
67 59.8 49.3 73.9
52 50.6 32.6 49.0#



#42
1,2-Dichloroethane
Concen: 54.279 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 62 Resp: 153494
Ion Ratio Lower Upper
62 100
98 10.5 0.0 26.0





#43

Isopropyl Acetate

Concen: 48.116 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

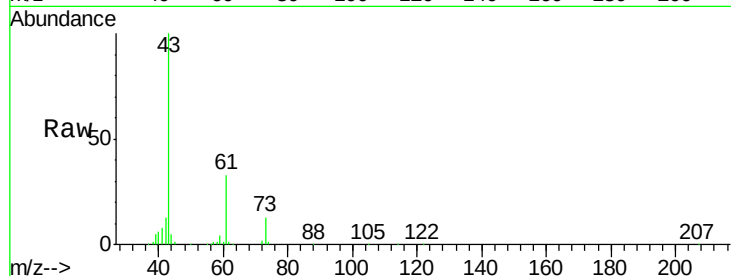
Tot Ion: 43 Resp: 119564

Ion Ratio Lower Upper

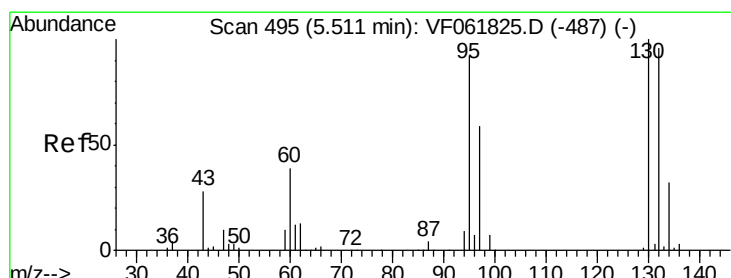
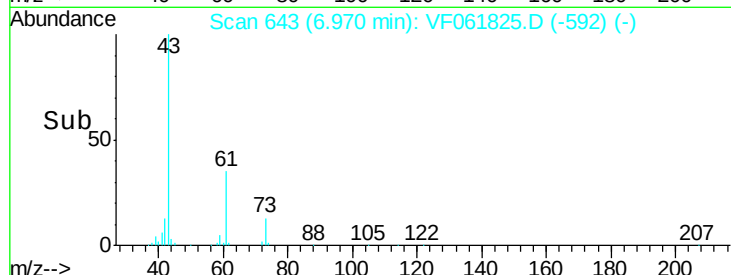
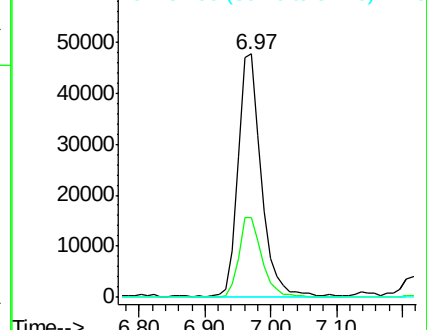
43 100

61 32.6 25.8 38.6

87 0.0 0.4 0.6#



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



#44

Trichloroethene

Concen: 48.749 ug/l

RT: 5.51 min Scan# 495

Delta R.T. 0.00 min

Lab File: VF061825.D

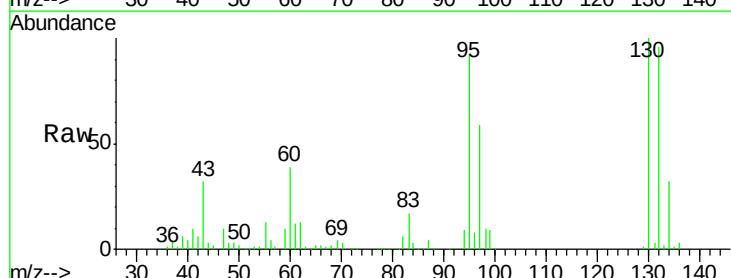
Acq: 4 Mar 2019 17:30

Tgt Ion:130 Resp: 186365

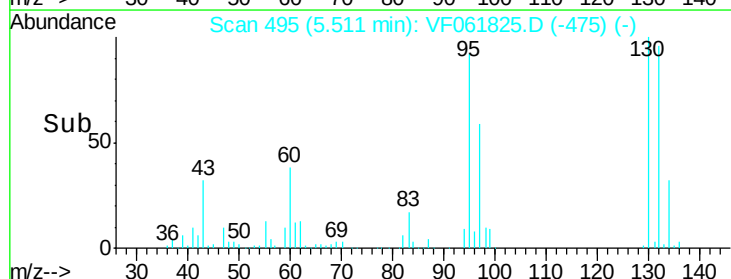
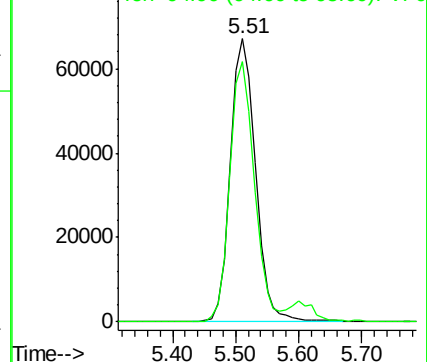
Ion Ratio Lower Upper

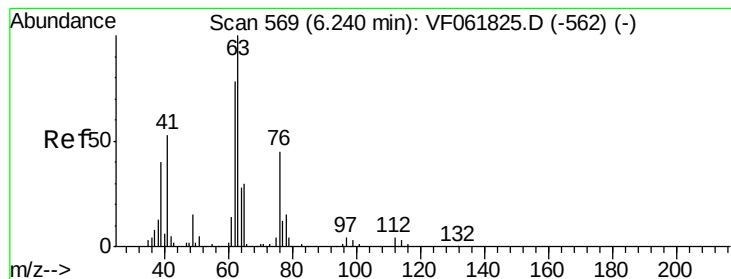
130 100

95 92.0 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: 49.423 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

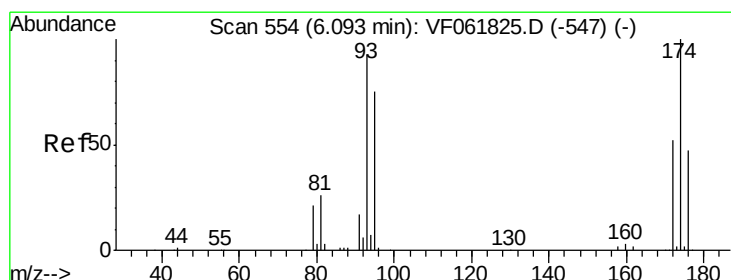
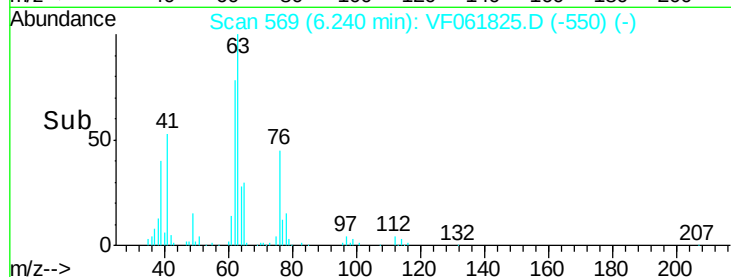
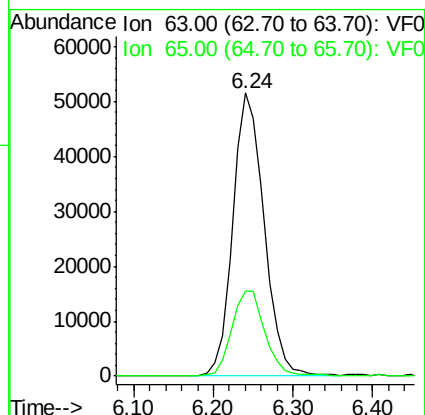
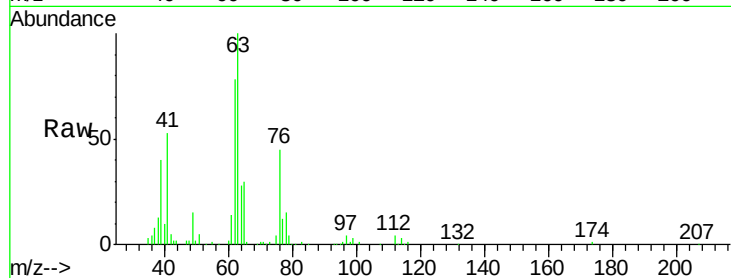
VSTDICCC050

Tot Ion: 63 Resp: 141231

Ion Ratio Lower Upper

63 100

65 30.0 24.9 37.3



#46

Dibromomethane

Concen: 49.295 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

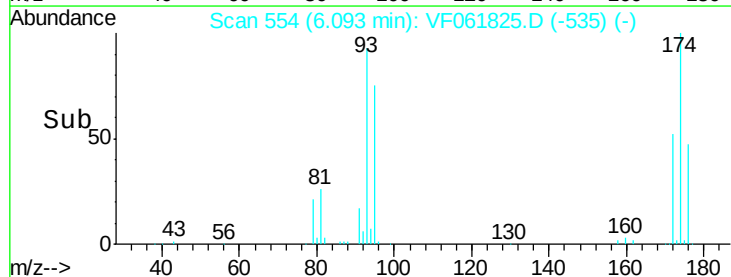
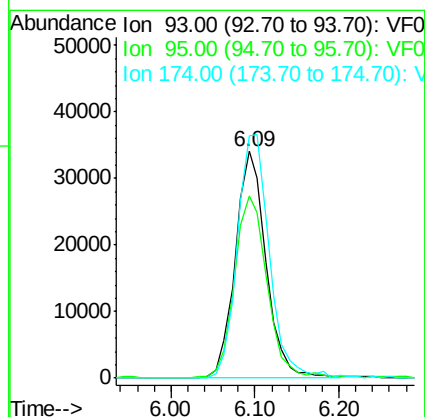
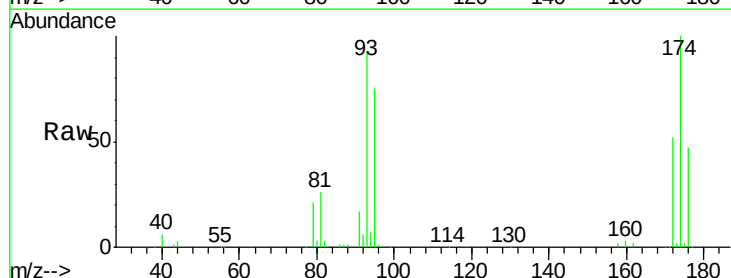
Tgt Ion: 93 Resp: 86732

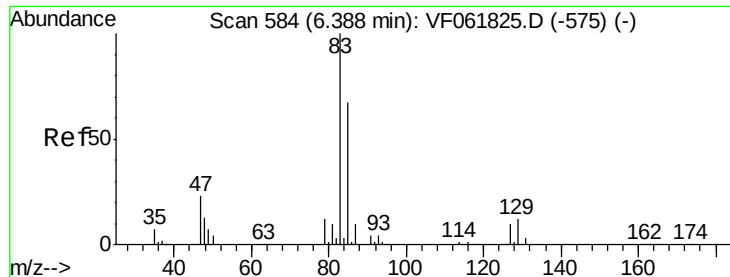
Ion Ratio Lower Upper

93 100

95 80.5 69.0 103.6

174 107.2 99.3 148.9





#47

Bromodichloromethane

Concen: 51.467 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

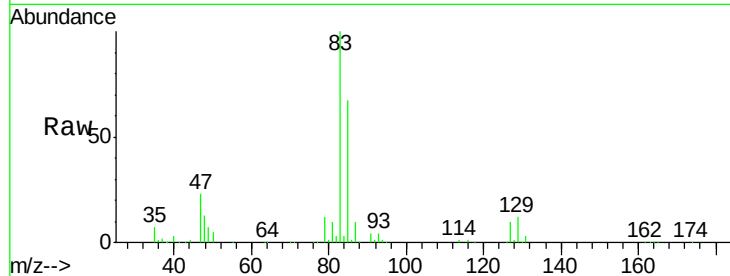
Tot Ion: 83 Resp: 198301

Ion Ratio Lower Upper

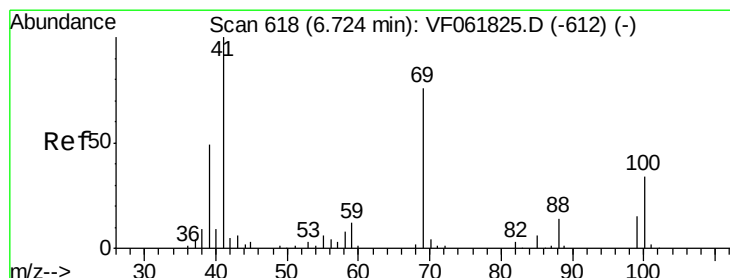
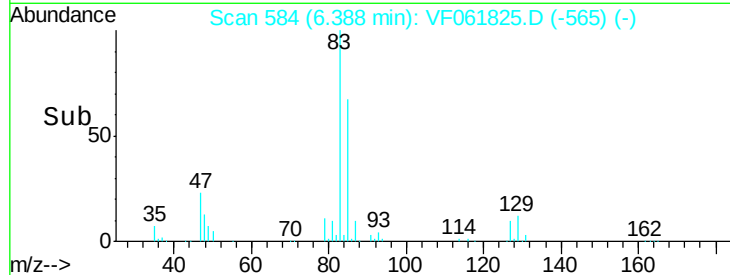
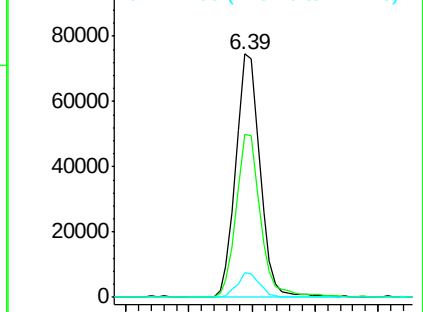
83 100

85 67.0 53.4 80.2

127 10.1 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: 50.451 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

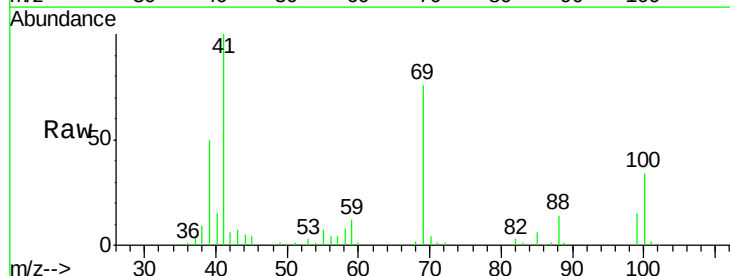
Tgt Ion: 41 Resp: 75444

Ion Ratio Lower Upper

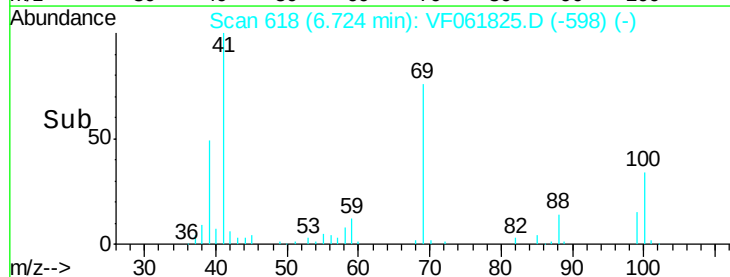
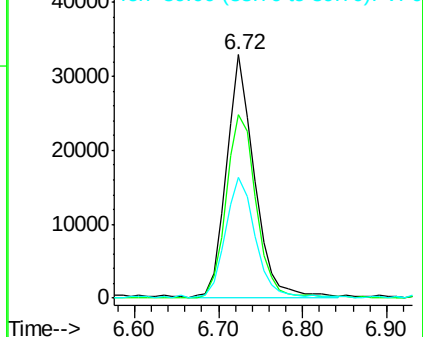
41 100

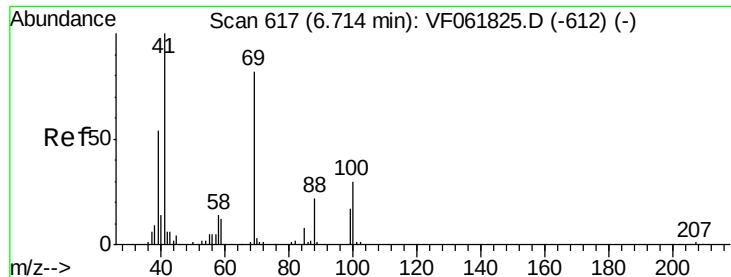
69 75.5 60.4 90.6

39 49.6 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: 1098.282 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

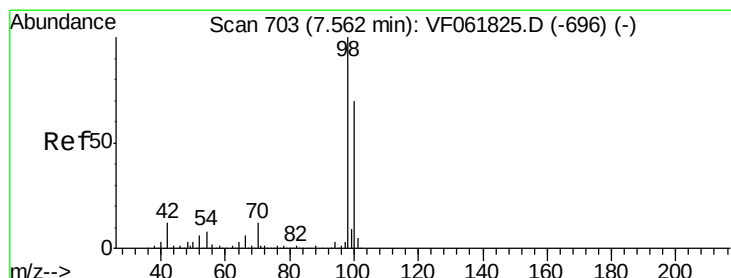
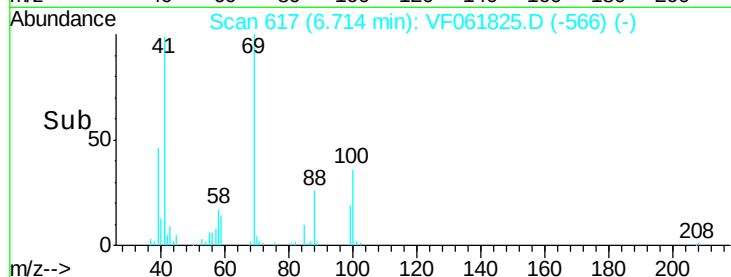
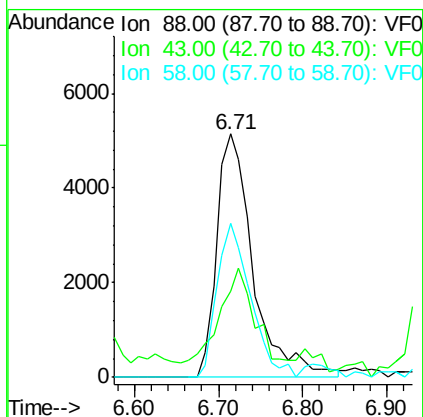
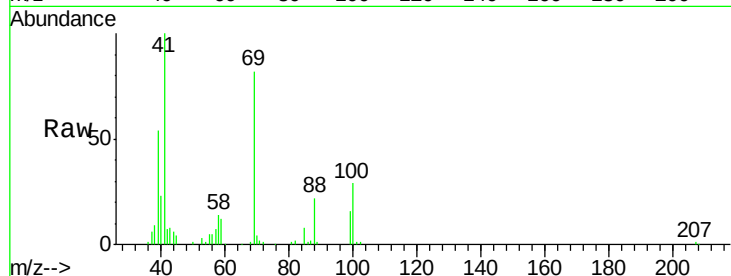
Tot Ion: 88 Resp: 15439

Ion Ratio Lower Upper

88 100

43 35.5 32.3 48.5

58 63.4 59.4 89.2



#50

Toluene-d8

Concen: 47.182 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061825.D

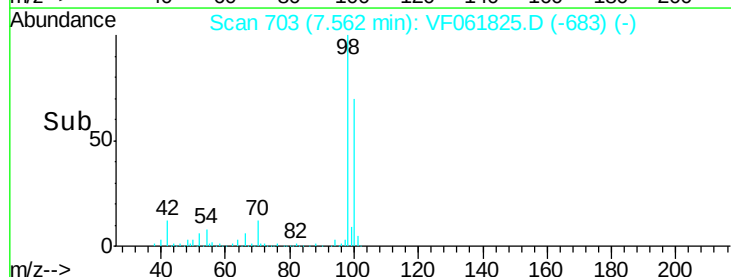
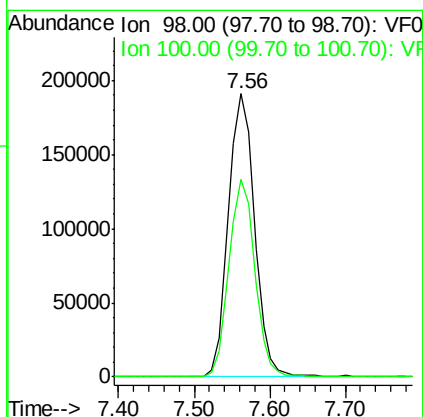
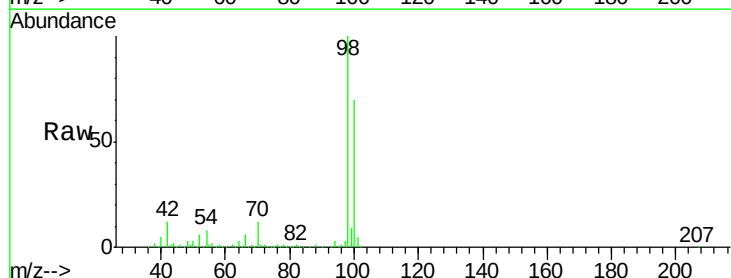
Acq: 4 Mar 2019 17:30

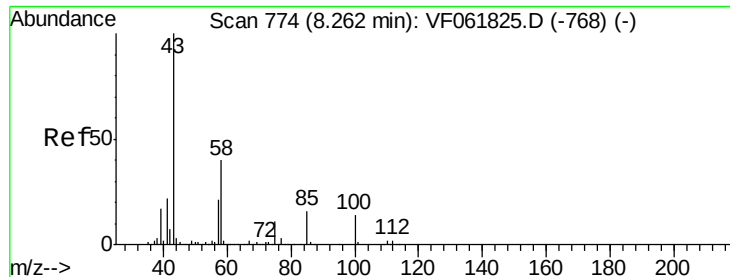
Tgt Ion: 98 Resp: 459551

Ion Ratio Lower Upper

98 100

100 70.0 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 221.301 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

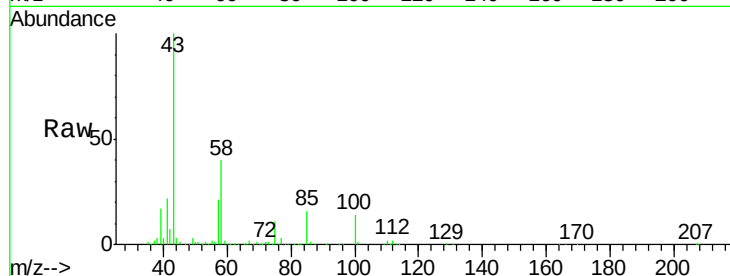
VSTDICCC050

Tot Ion: 43 Resp: 392929

Ion Ratio Lower Upper

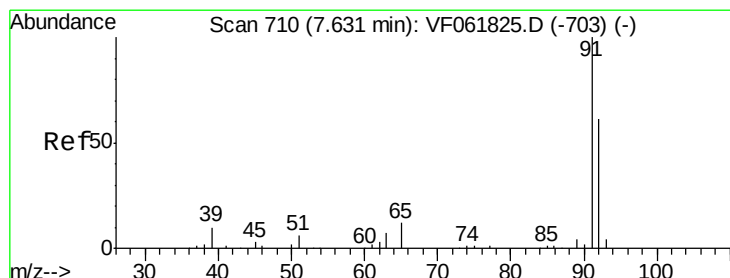
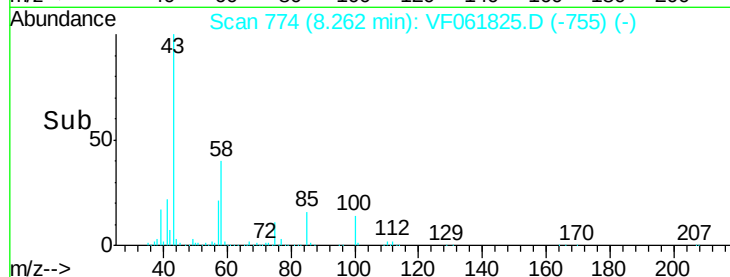
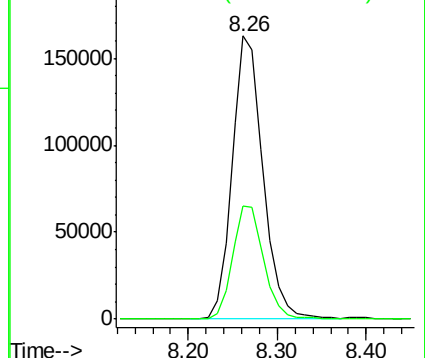
43 100

58 39.8 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: 48.917 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061825.D

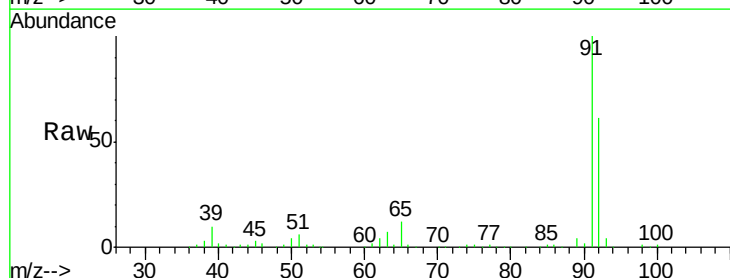
Acq: 4 Mar 2019 17:30

Tgt Ion: 92 Resp: 350725

Ion Ratio Lower Upper

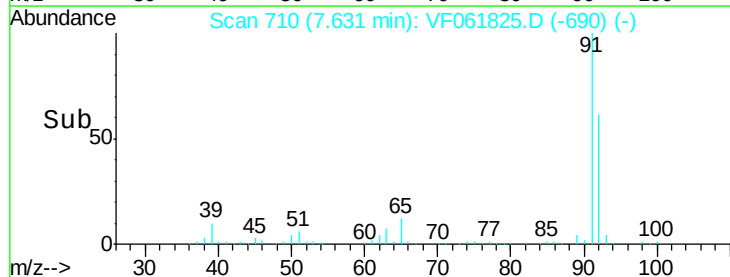
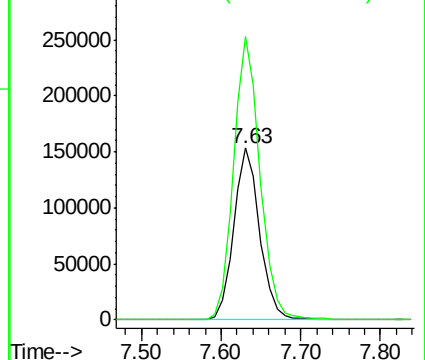
92 100

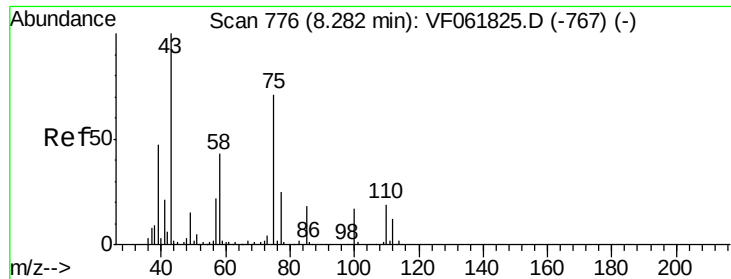
91 165.0 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

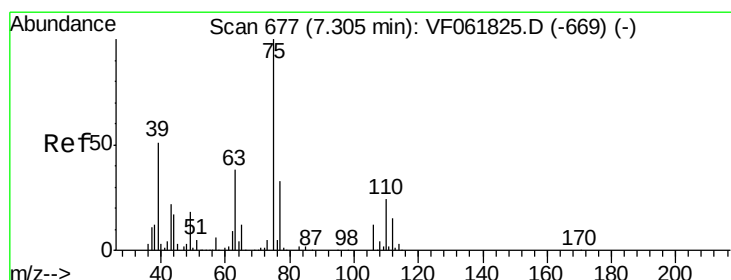
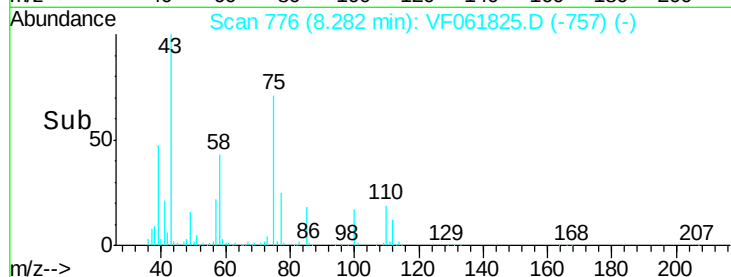
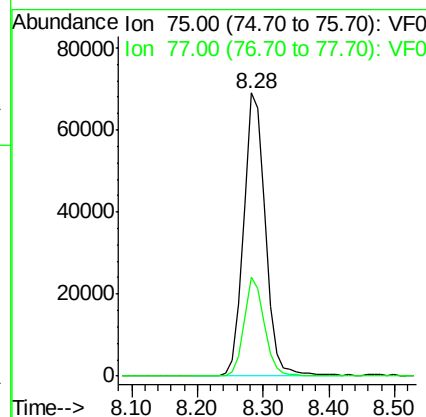
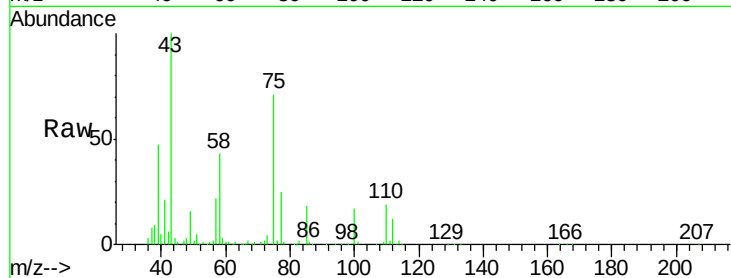




#53
t-1,3-Dichloropropene
Concen: 50.102 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

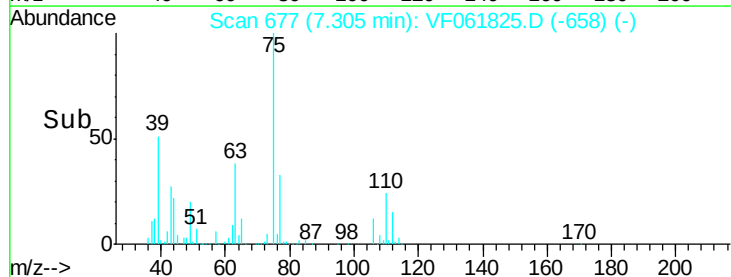
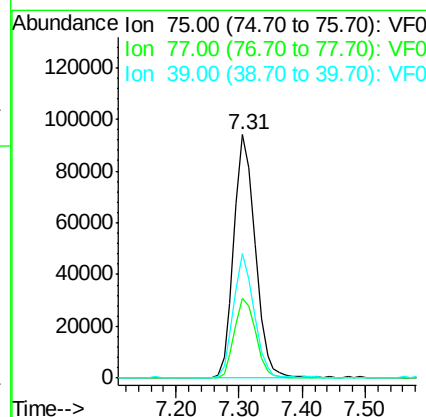
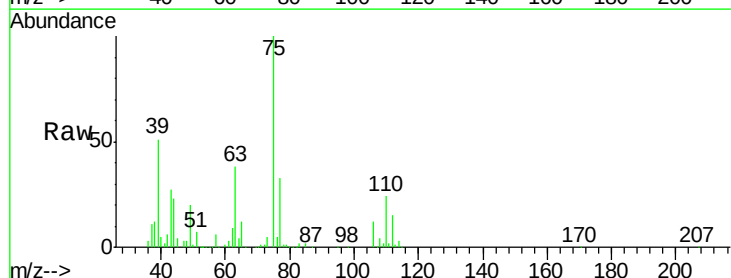
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

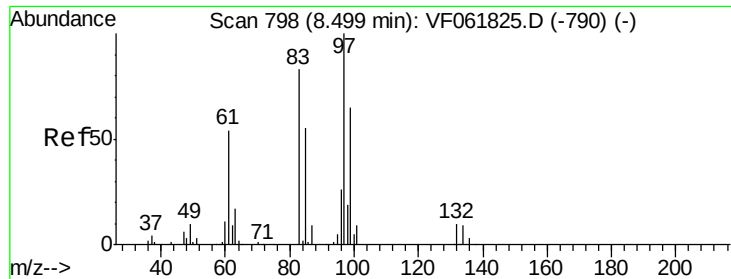
Tot Ion: 75 Resp: 160661
Ion Ratio Lower Upper
75 100
77 35.0 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 52.080 ug/l
RT: 7.31 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 75 Resp: 222450
Ion Ratio Lower Upper
75 100
77 32.9 26.4 39.6
39 51.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 47.007 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 99023

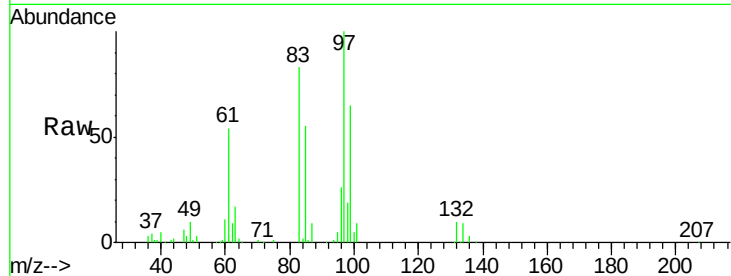
Ion Ratio Lower Upper

97 100

83 83.1 69.2 103.8

85 55.2 43.0 64.4

99 64.7 47.2 70.8

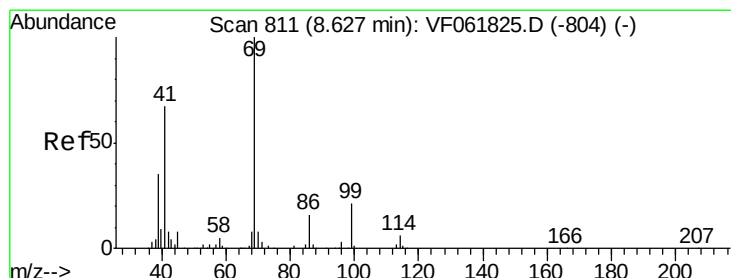
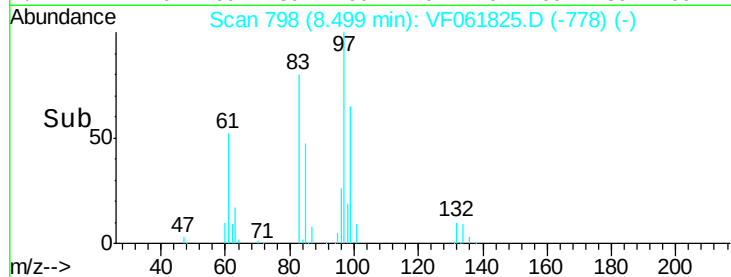
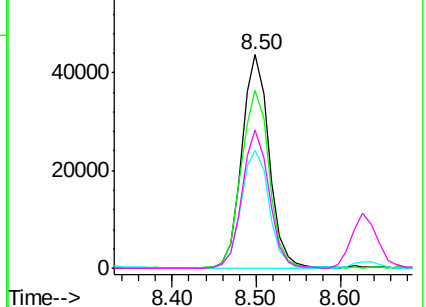


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 48.229 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

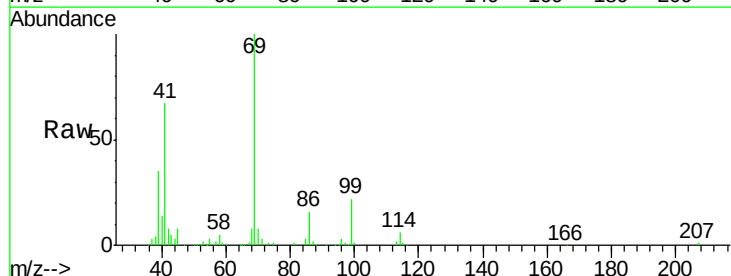
Tgt Ion: 69 Resp: 113114

Ion Ratio Lower Upper

69 100

41 67.4 52.9 79.3

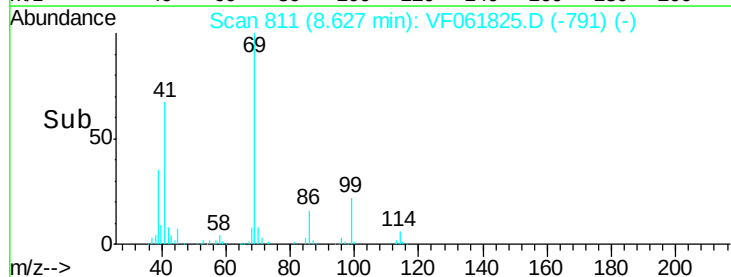
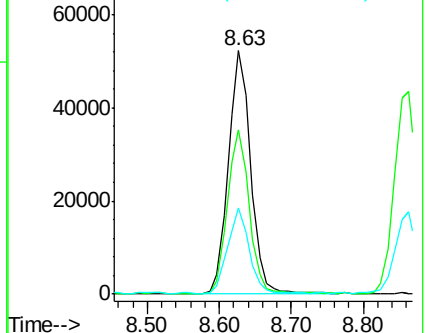
39 35.4 24.5 36.7

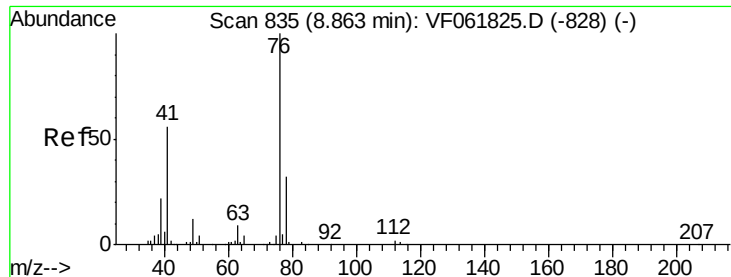


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.338 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

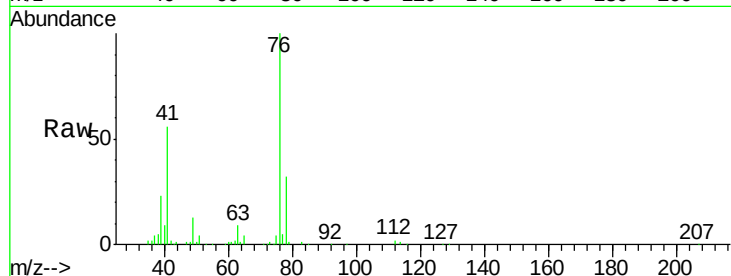
VSTDICCC050

Tot Ion: 76 Resp: 173479

Ion Ratio Lower Upper

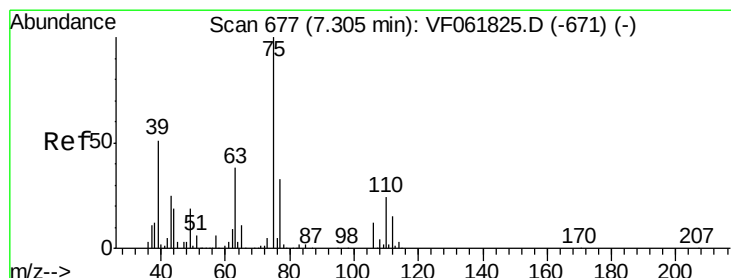
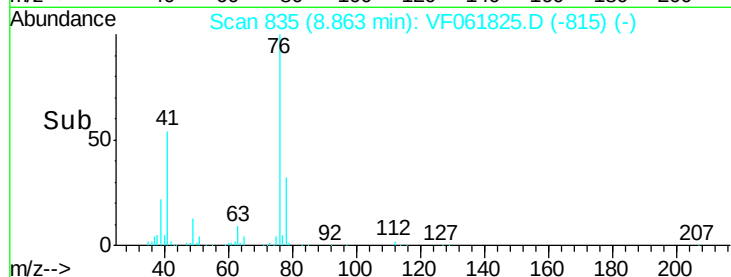
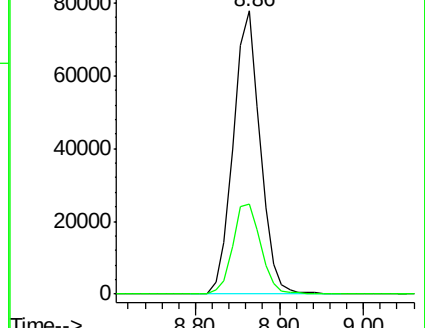
76 100

78 31.8 27.8 41.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 204.687 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061825.D

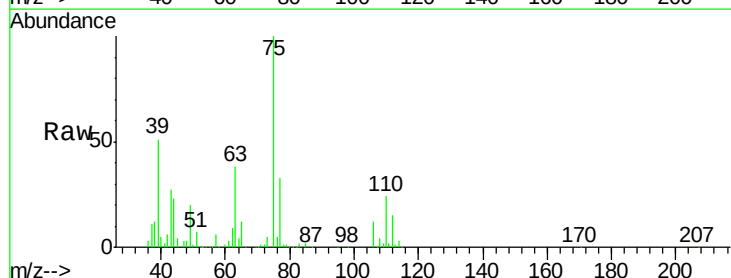
Acq: 4 Mar 2019 17:30

Tgt Ion: 63 Resp: 82829

Ion Ratio Lower Upper

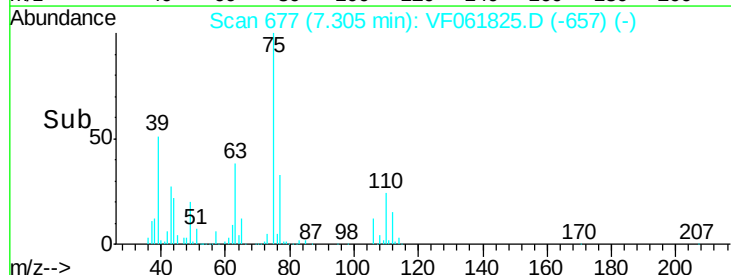
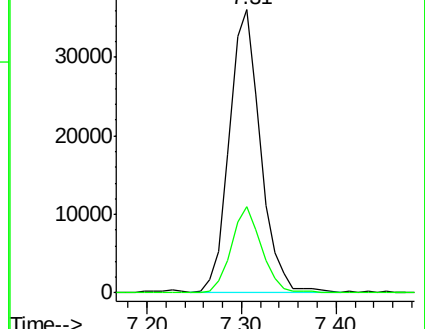
63 100

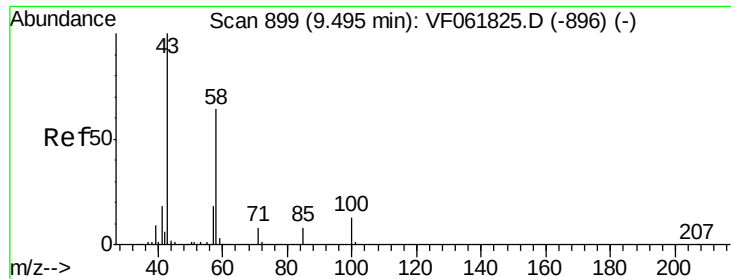
106 30.4 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

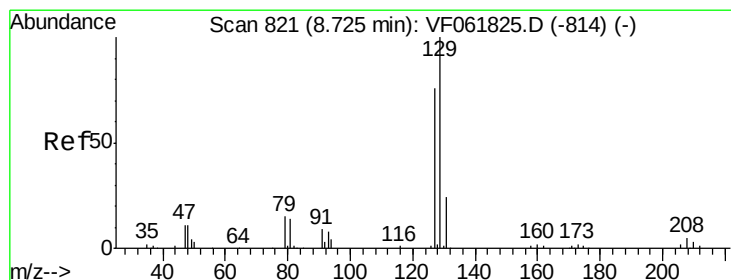
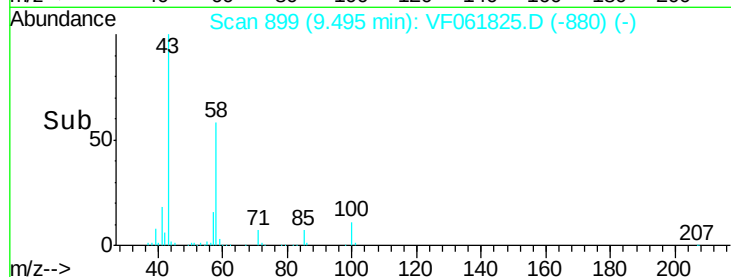
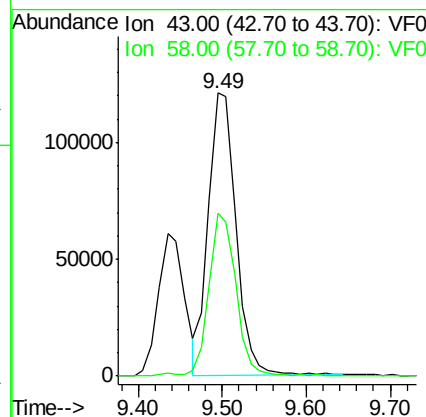
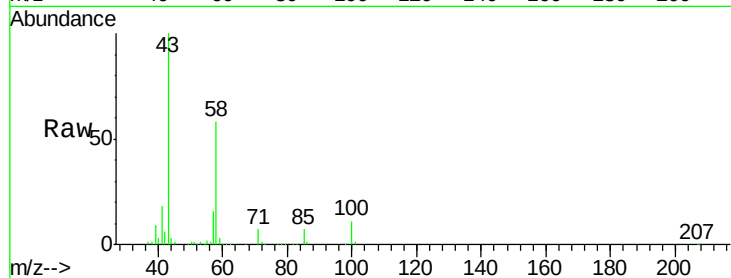




#59
2-Hexanone
Concen: 221.219 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

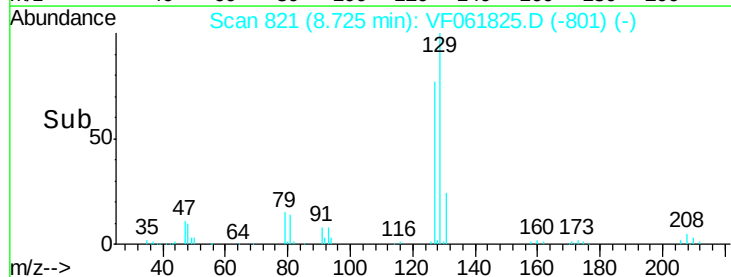
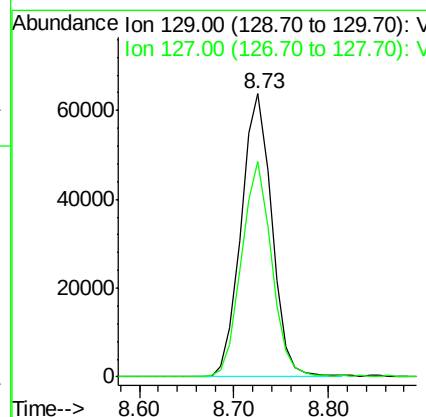
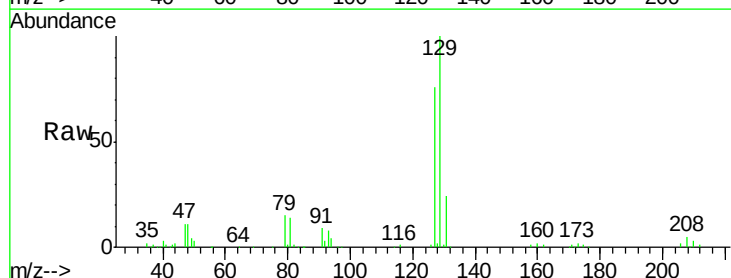
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

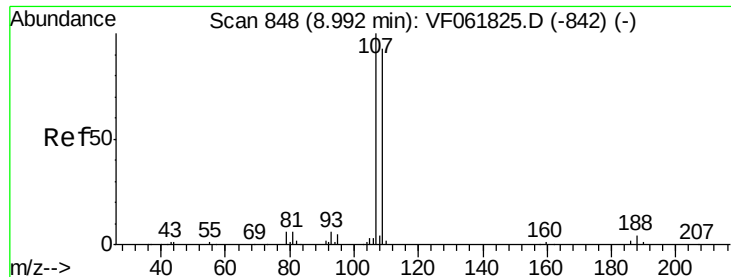
Tot Ion: 43 Resp: 275331
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.5



#60
Dibromochloromethane
Concen: 49.049 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 129 Resp: 143816
Ion Ratio Lower Upper
129 100
127 76.4 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.084 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

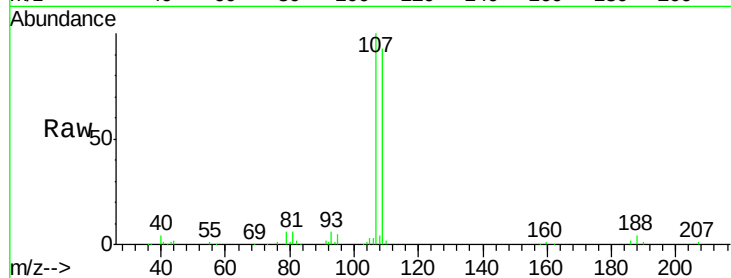
VSTDICCC050

Tot Ion:107 Resp: 112149

Ion Ratio Lower Upper

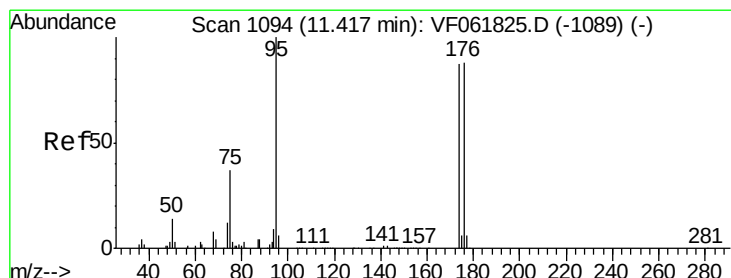
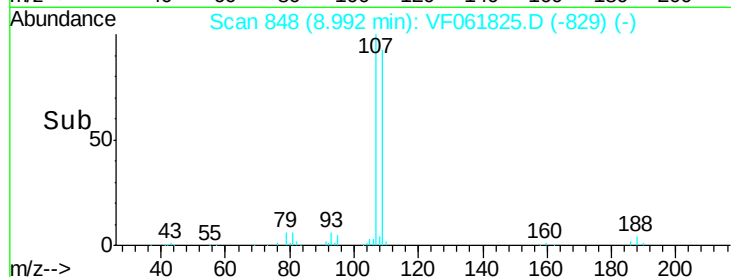
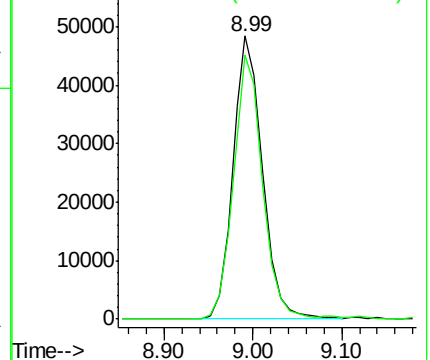
107 100

109 93.3 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: 46.323 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

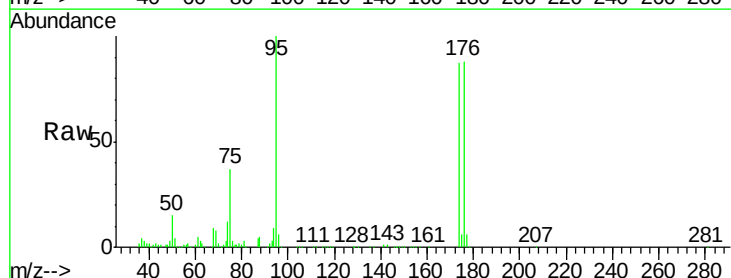
Tgt Ion: 95 Resp: 182557

Ion Ratio Lower Upper

95 100

174 87.0 0.0 165.8

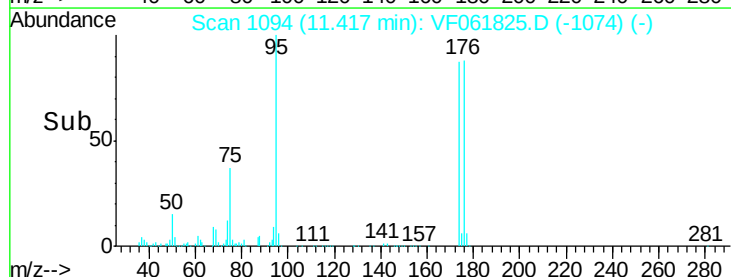
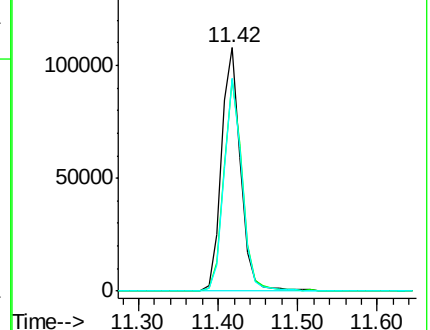
176 87.6 0.0 167.0

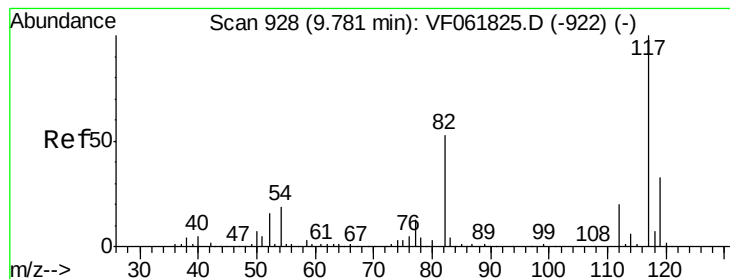


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

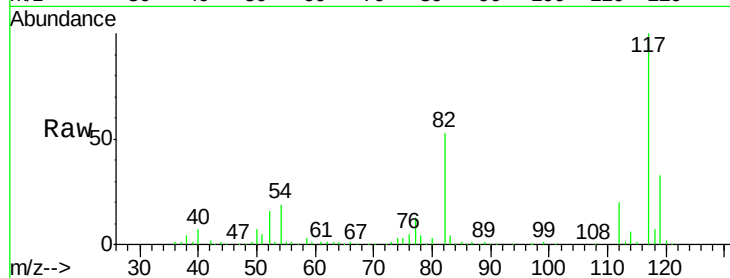
Tot Ion:117 Resp: 398478

Ion Ratio Lower Upper

117 100

82 53.2 39.3 58.9

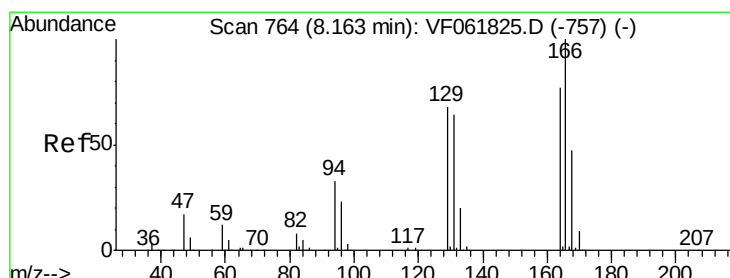
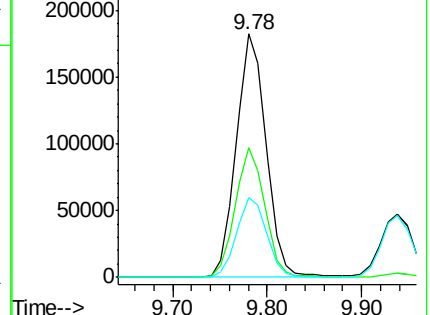
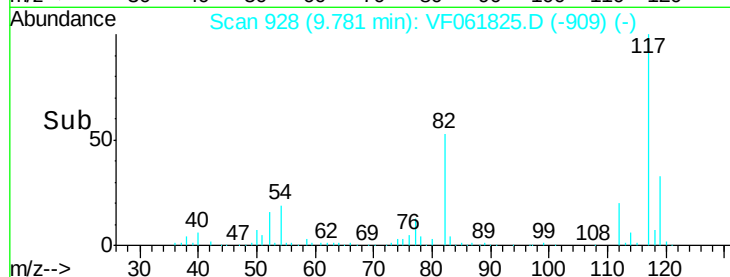
119 32.5 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 50.949 ug/l

RT: 8.16 min Scan# 764

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:164 Resp: 165946

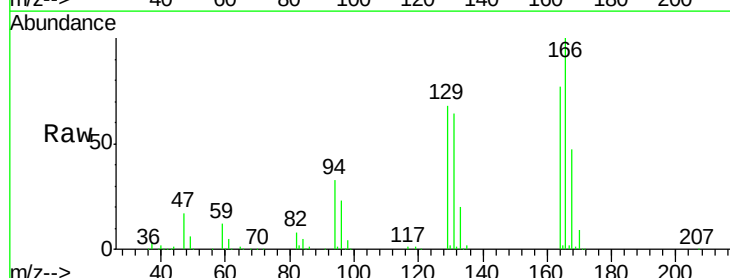
Ion Ratio Lower Upper

164 100

166 129.2 103.9 155.9

129 87.4 71.3 106.9

131 83.0 67.1 100.7

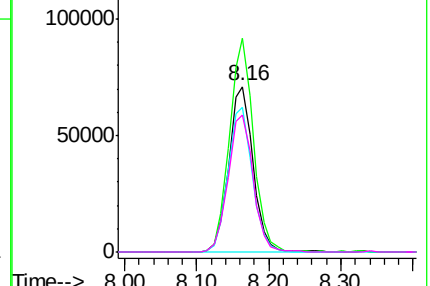
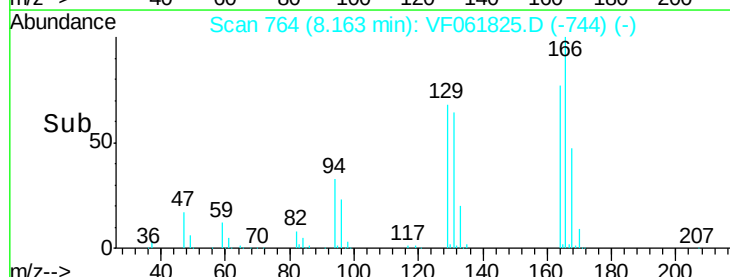


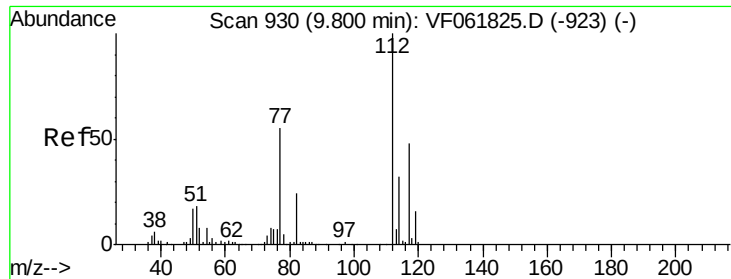
Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.085 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

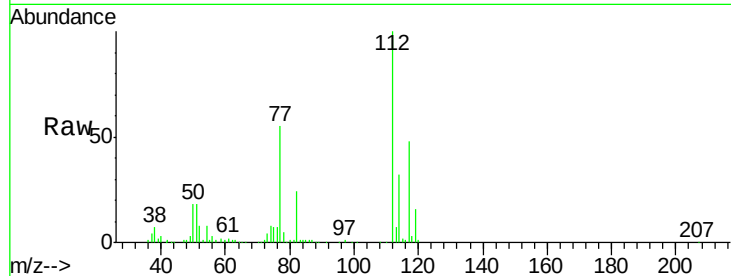
VSTDICCC050

Tot Ion:112 Resp: 404986

Ion Ratio Lower Upper

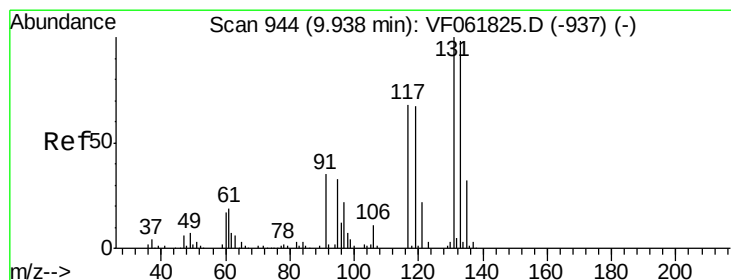
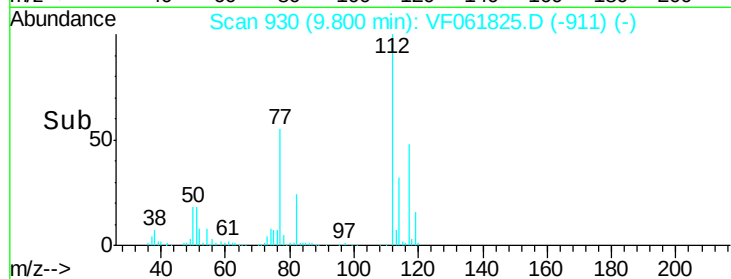
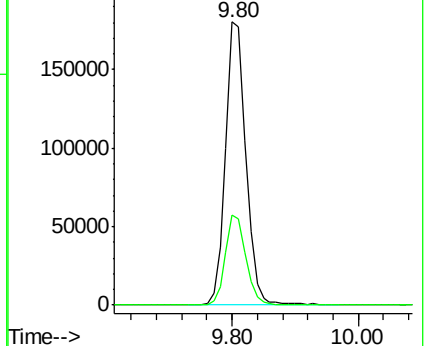
112 100

114 31.9 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: 48.190 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

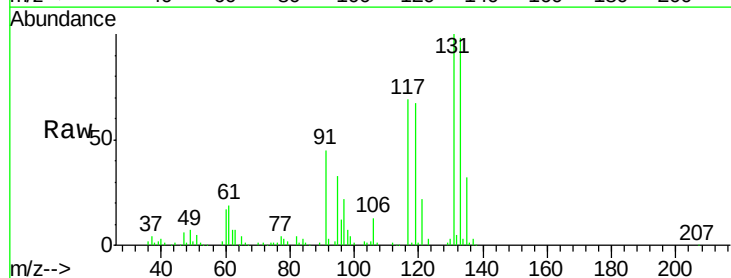
Tgt Ion:131 Resp: 152690

Ion Ratio Lower Upper

131 100

133 97.8 48.9 146.6

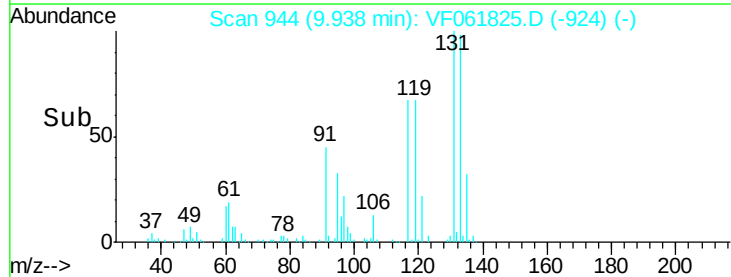
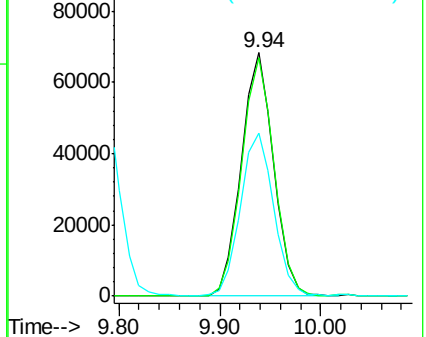
119 67.2 34.8 104.3

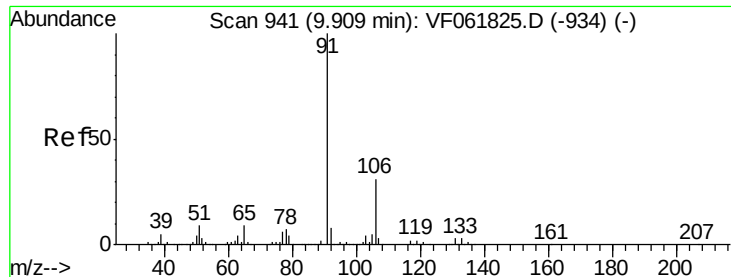


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 50.453 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

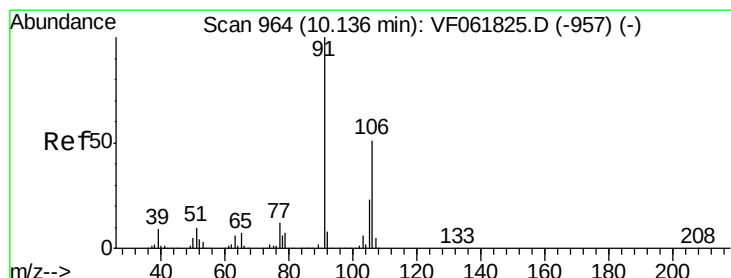
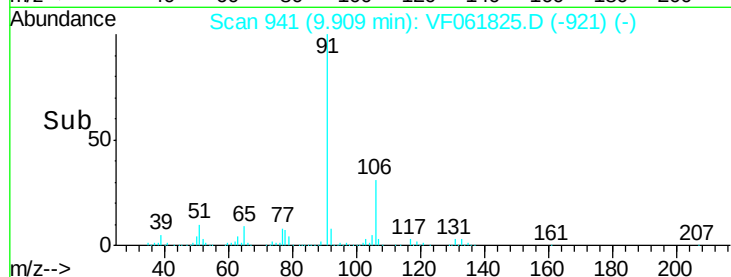
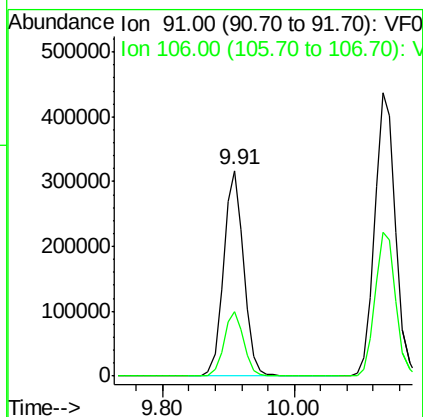
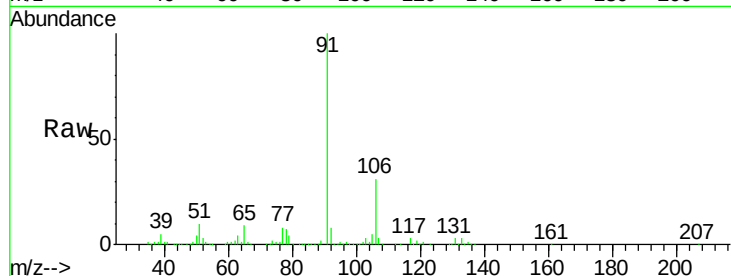
VSTDICCC050

Tot Ion: 91 Resp: 678445

Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1



#68

m/p-Xylenes

Concen: 94.697 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061825.D

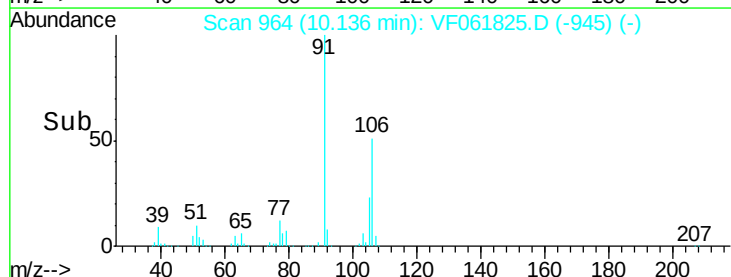
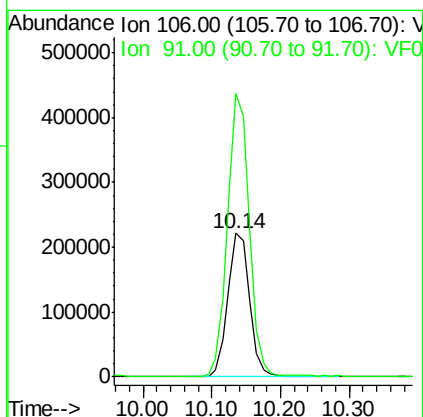
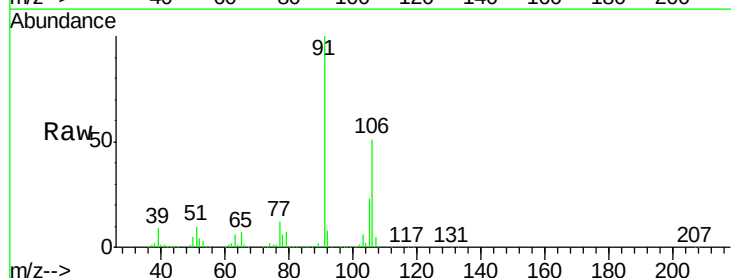
Acq: 4 Mar 2019 17:30

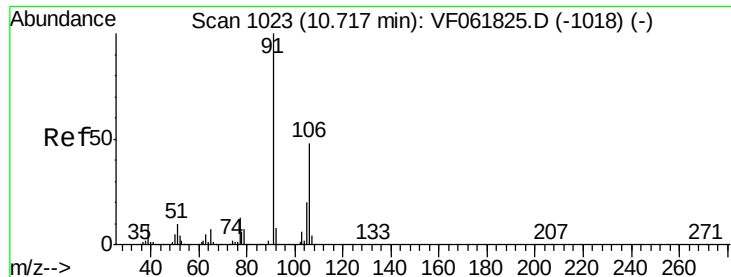
Tgt Ion: 106 Resp: 487344

Ion Ratio Lower Upper

106 100

91 196.9 153.0 229.6

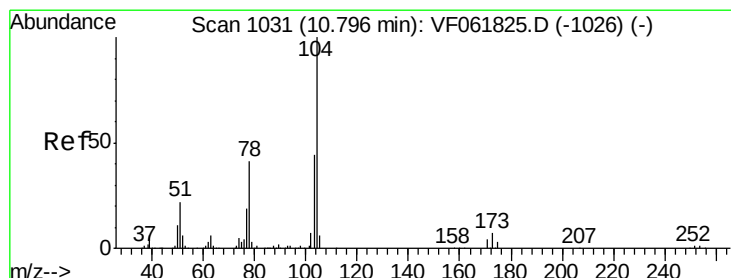
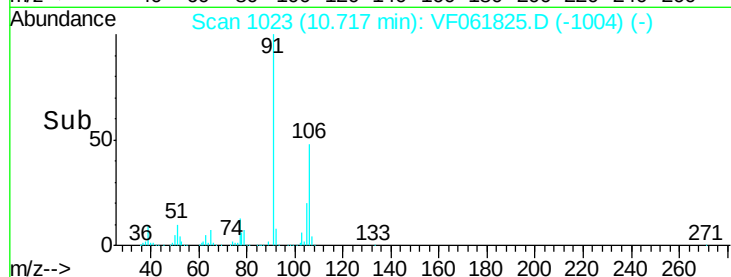
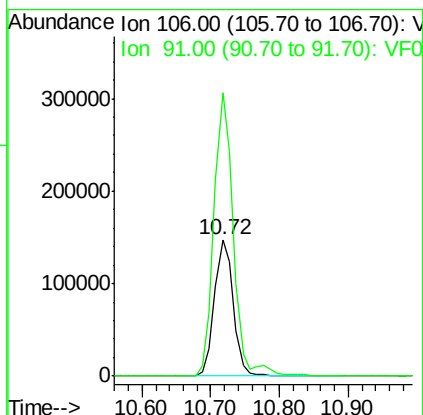
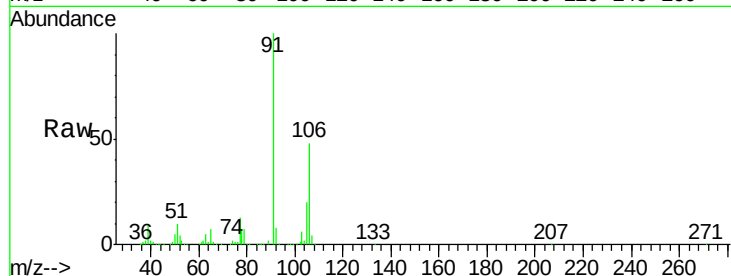




#69
o-Xylene
Concen: 51.033 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

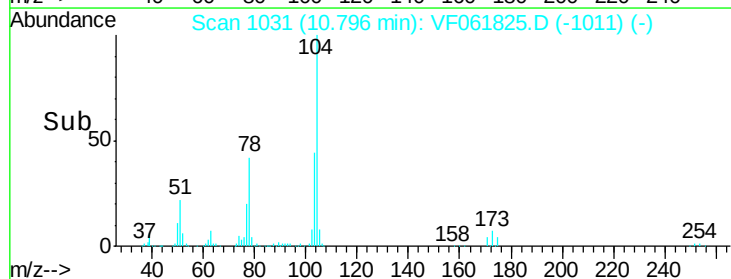
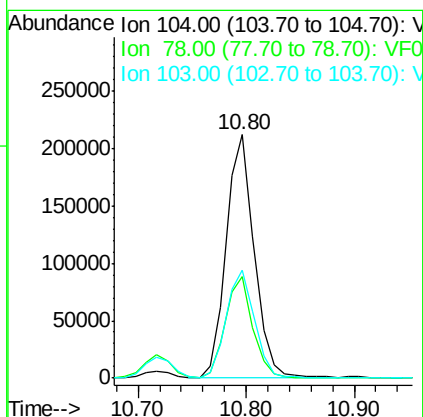
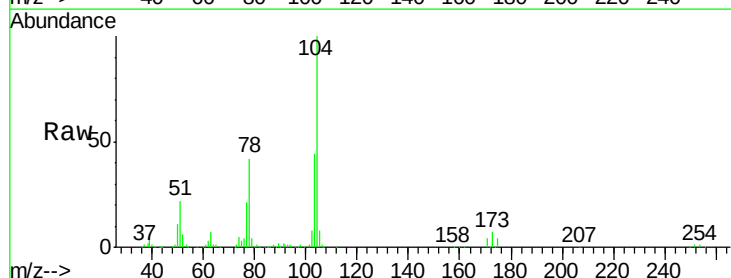
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

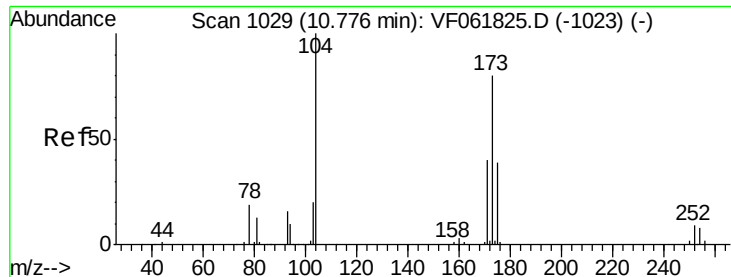
Tot Ion:106 Resp: 280245
Ion Ratio Lower Upper
106 100
91 206.9 100.1 300.1



#70
Styrene
Concen: 49.118 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion:104 Resp: 381575
Ion Ratio Lower Upper
104 100
78 41.6 33.2 49.8
103 44.2 37.2 55.8





#71

Bromoform

Concen: 48.335 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

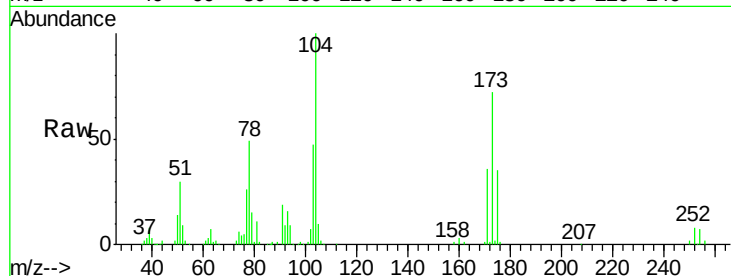
Tot Ion:173 Resp: 83163

Ion Ratio Lower Upper

173 100

175 49.0 24.0 72.0

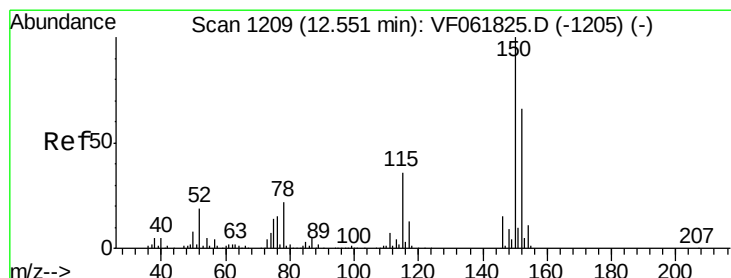
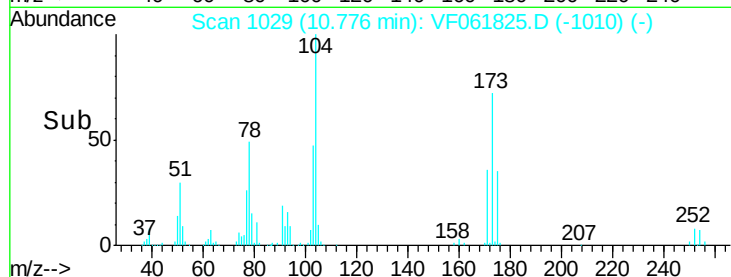
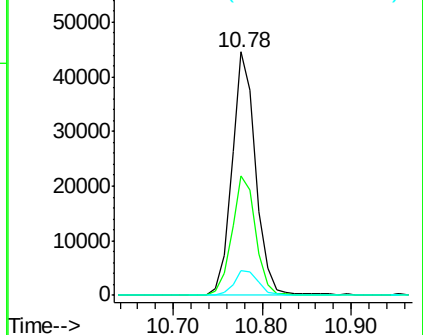
254 10.0 8.2 12.2



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: VF061825.D

Acq: 4 Mar 2019 17:30

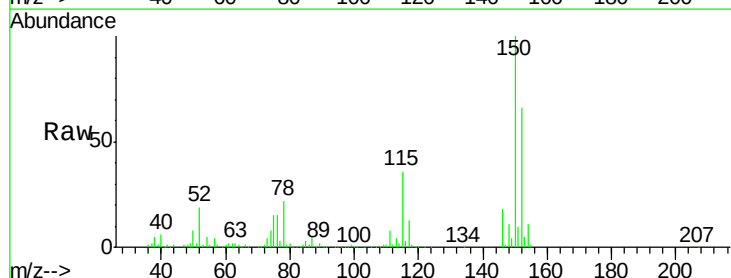
Tgt Ion:152 Resp: 215263

Ion Ratio Lower Upper

152 100

115 55.4 24.3 72.8

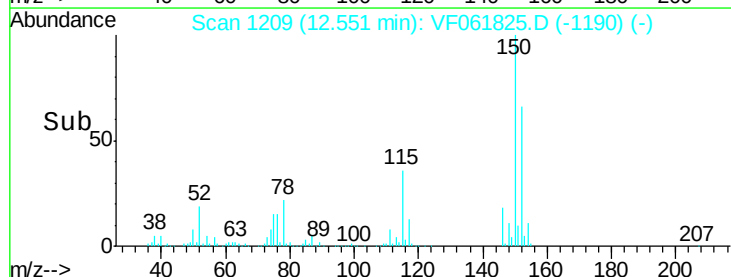
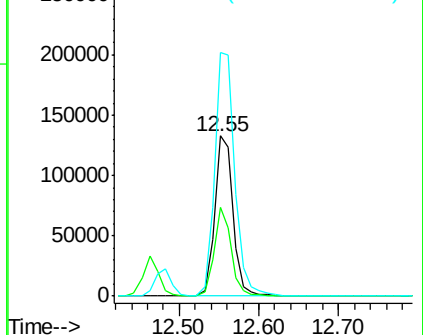
150 152.1 0.0 312.0

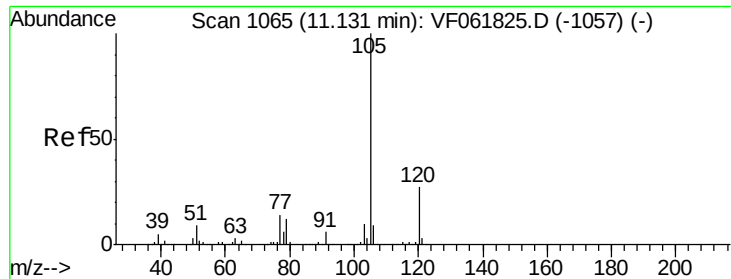


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.427 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

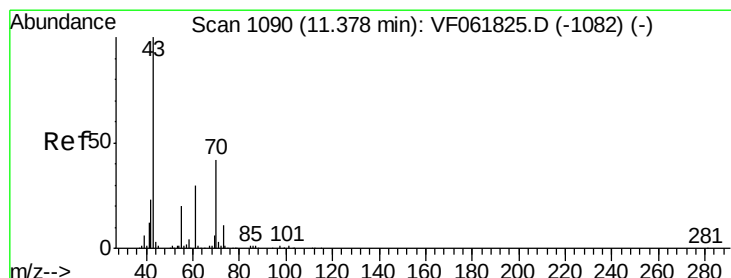
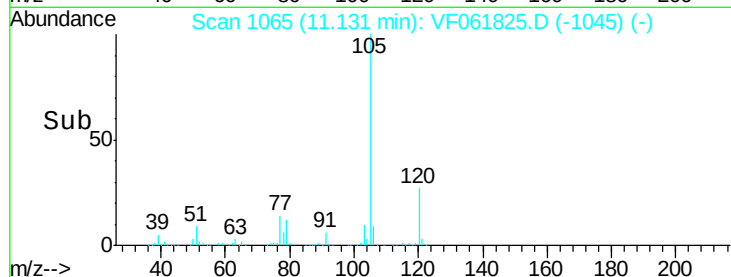
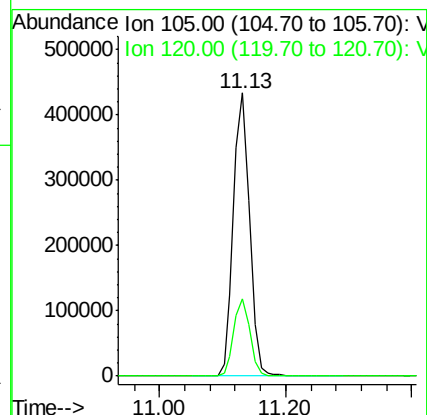
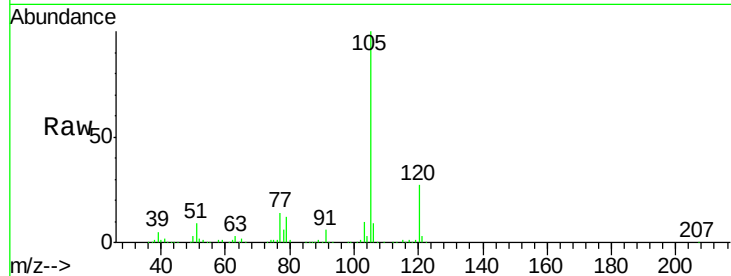
VSTDICCC050

Tot Ion:105 Resp: 772865

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1



#74

N-ethyl acetate

Concen: 48.327 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion: 43 Resp: 177779

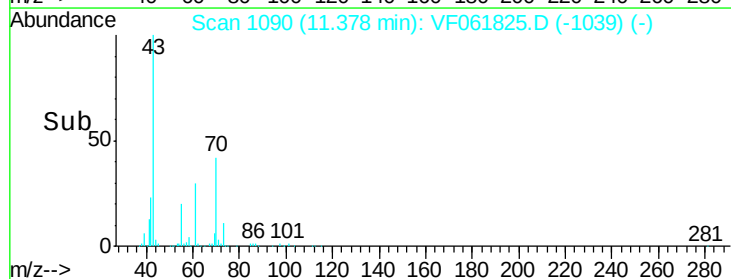
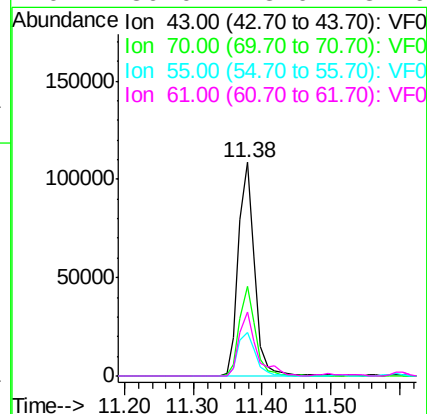
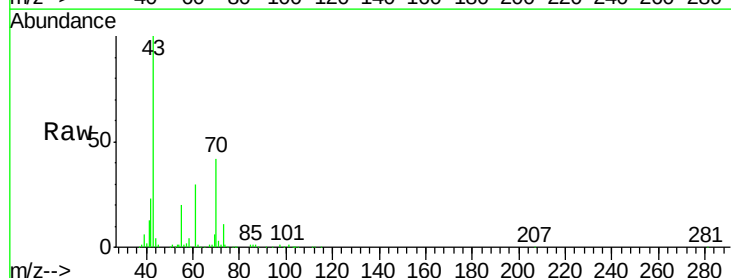
Ion Ratio Lower Upper

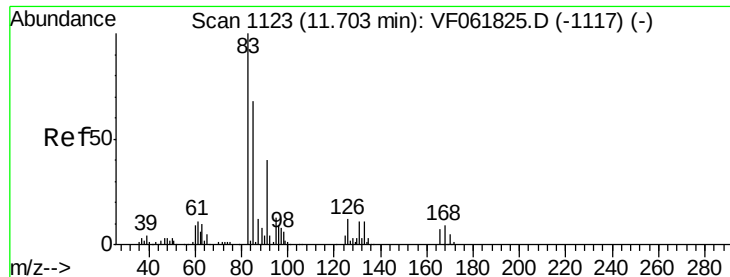
43 100

70 41.7 31.5 47.3

55 20.4 16.7 25.1

61 30.0 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.287 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

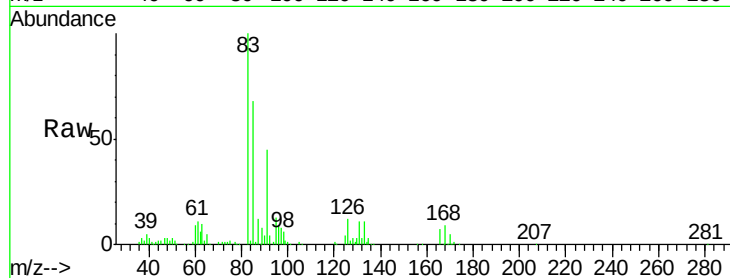
Tot Ion: 83 Resp: 127093

Ion Ratio Lower Upper

83 100

131 11.1 4.4 13.2

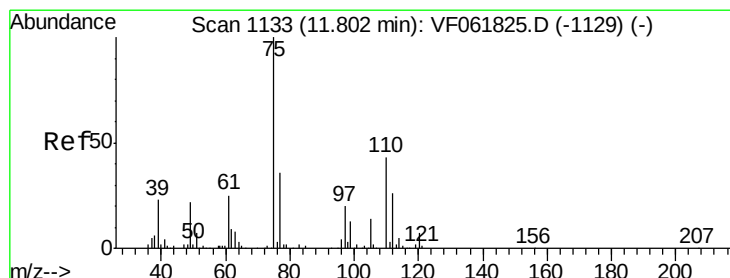
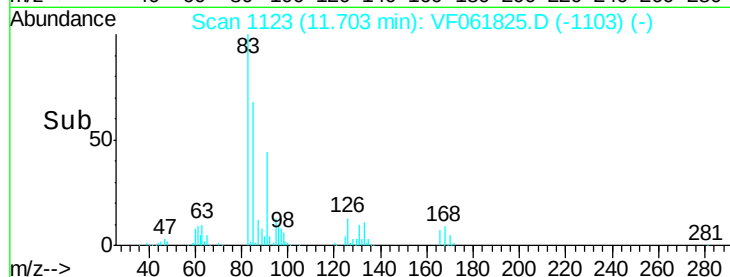
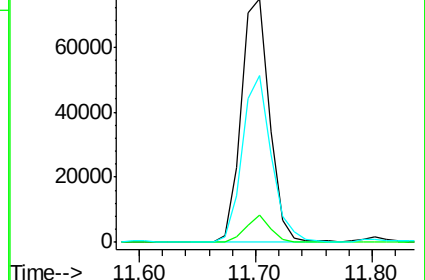
85 68.4 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 45.605 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF061825.D

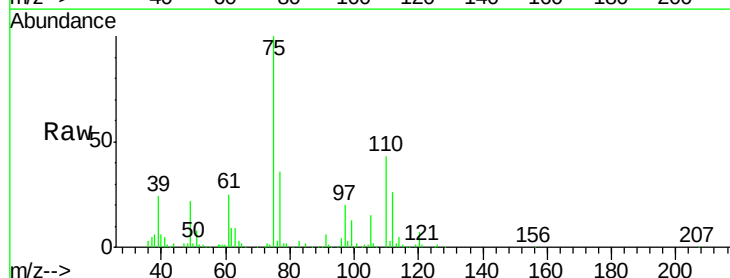
Acq: 4 Mar 2019 17:30

Tgt Ion: 75 Resp: 85136

Ion Ratio Lower Upper

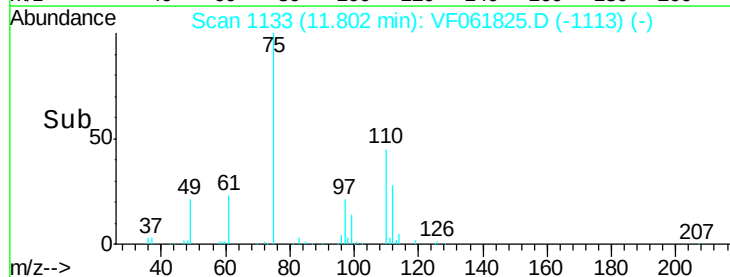
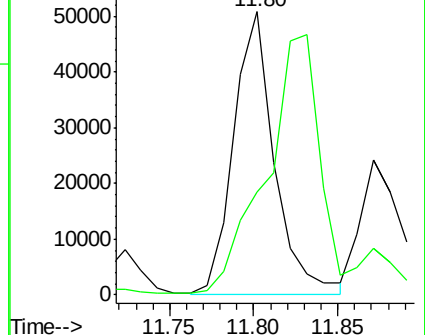
75 100

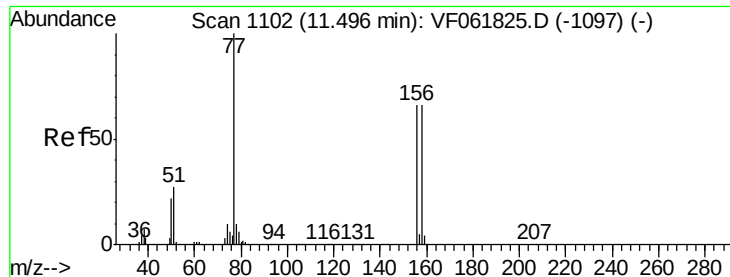
77 36.3 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.264 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

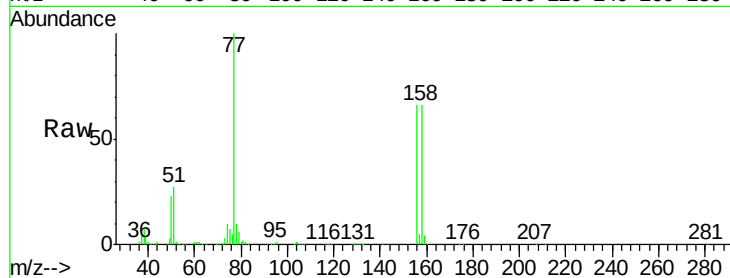
Tot Ion:156 Resp: 182743

Ion Ratio Lower Upper

156 100

77 151.4 64.3 192.7

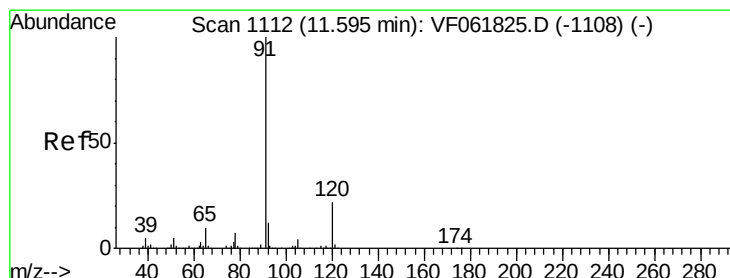
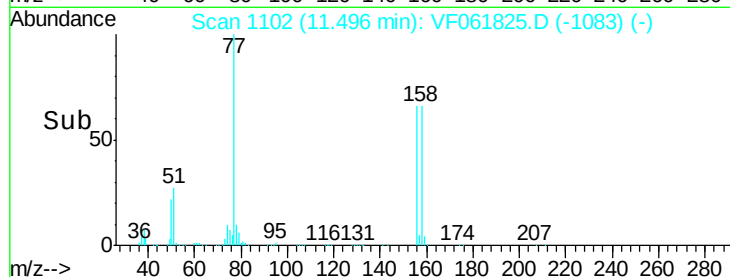
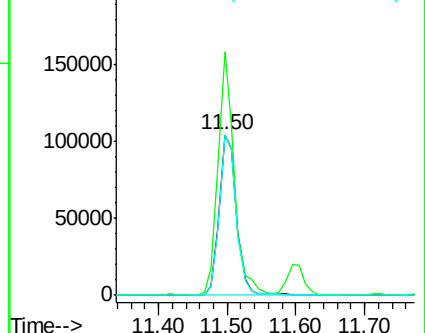
158 100.1 50.9 152.7



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: 49.798 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061825.D

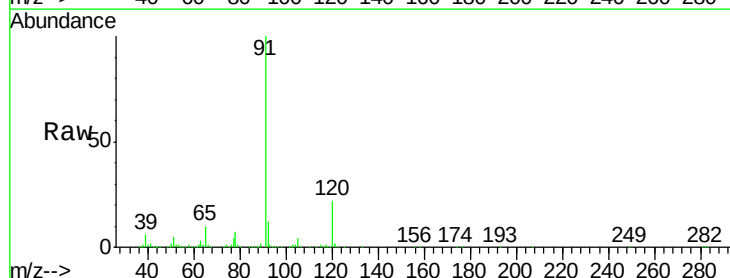
Acq: 4 Mar 2019 17:30

Tgt Ion: 91 Resp: 875815

Ion Ratio Lower Upper

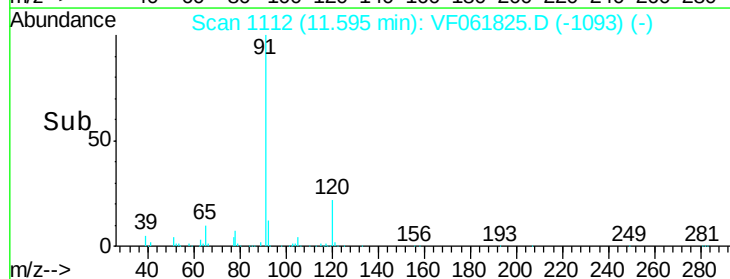
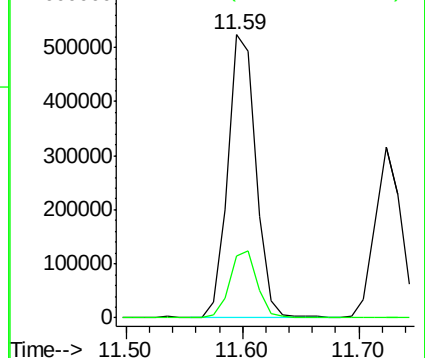
91 100

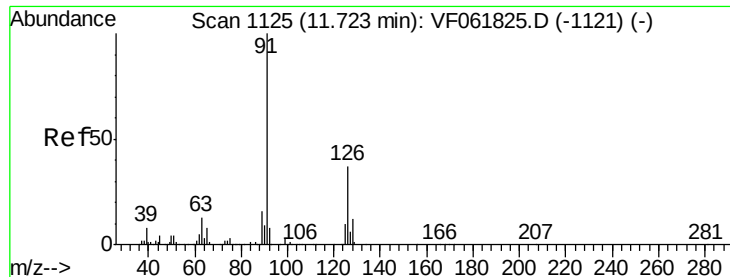
120 22.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

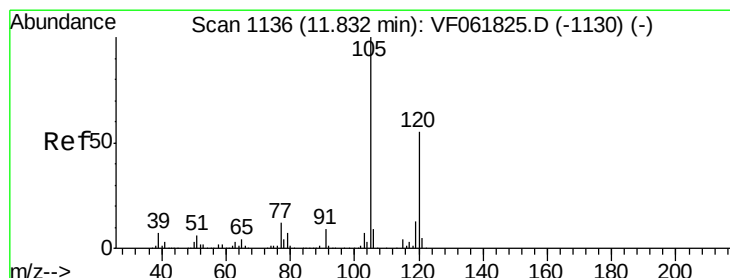
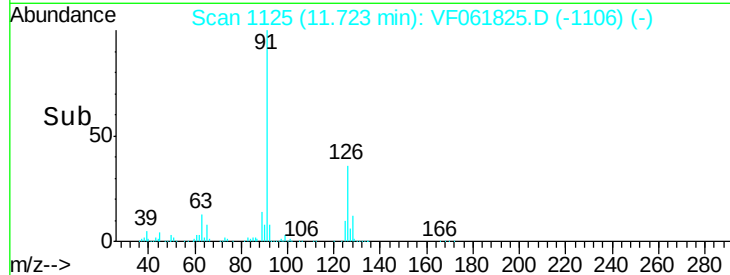
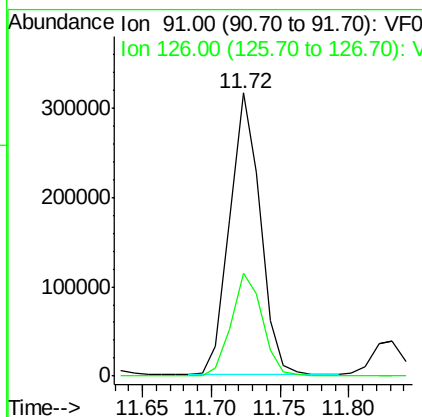
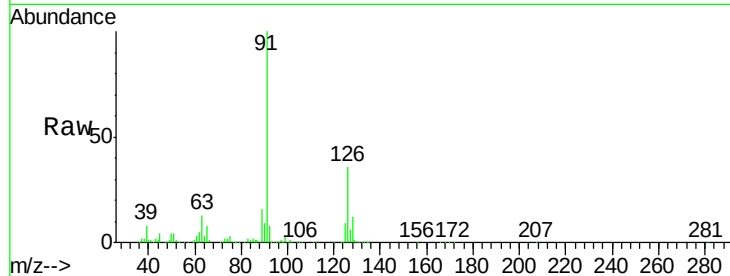




#79
 2-Chlorotoluene
 Concen: 49.495 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

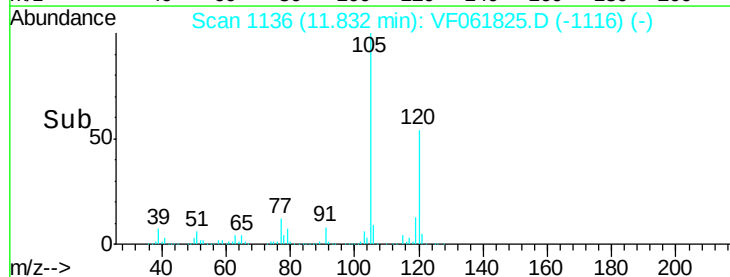
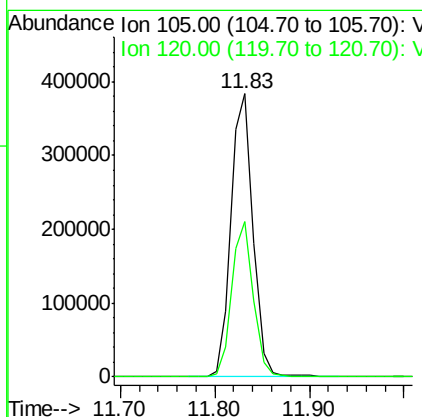
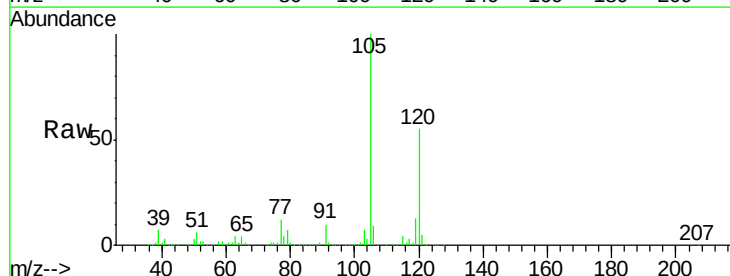
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

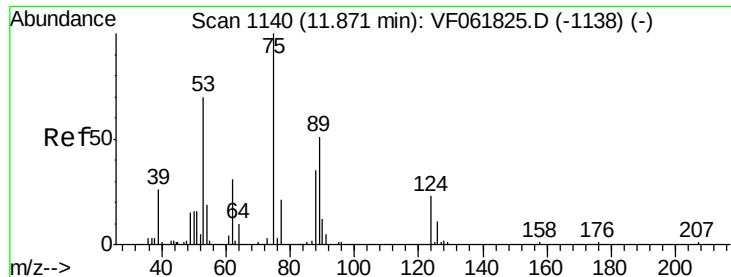
Tot Ion: 91 Resp: 487514
 Ion Ratio Lower Upper
 91 100
 126 36.3 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 50.589 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion:105 Resp: 619688
 Ion Ratio Lower Upper
 105 100
 120 54.8 27.9 83.6

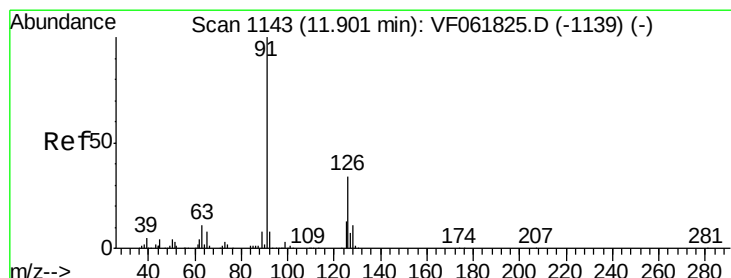
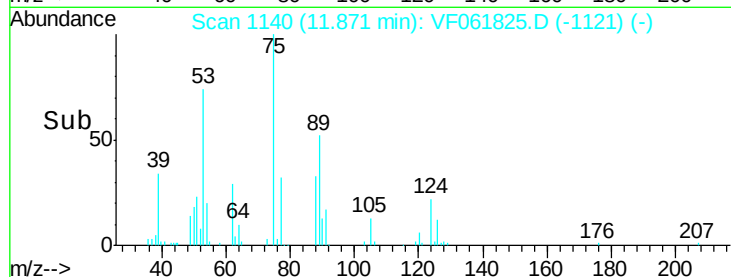
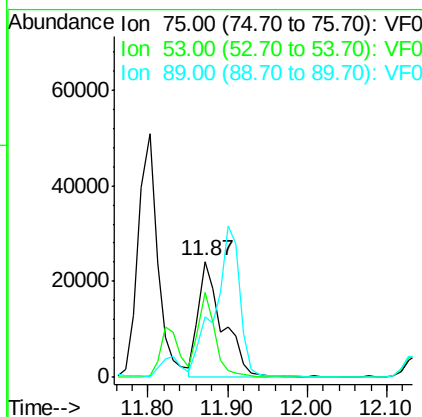
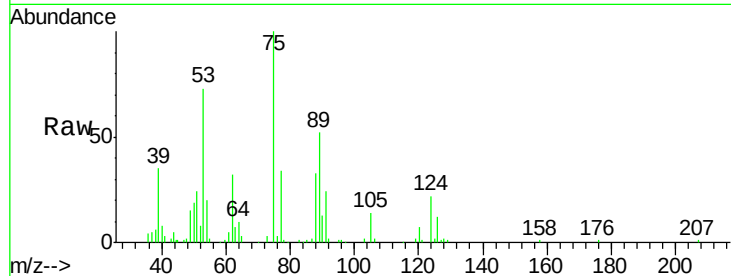




#81
trans-1,4-Dichloro-2-butene
Concen: 58.552 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

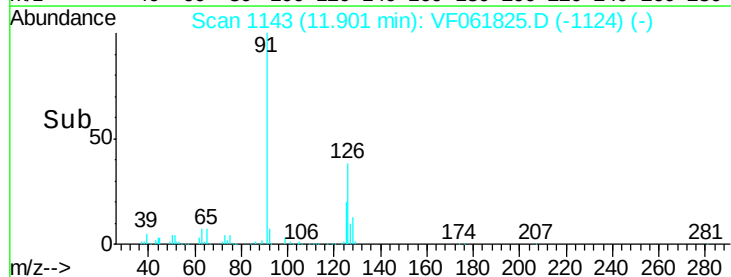
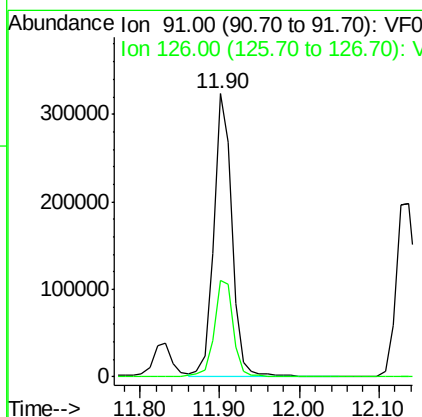
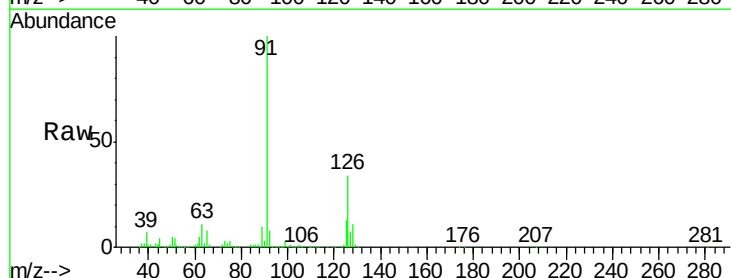
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

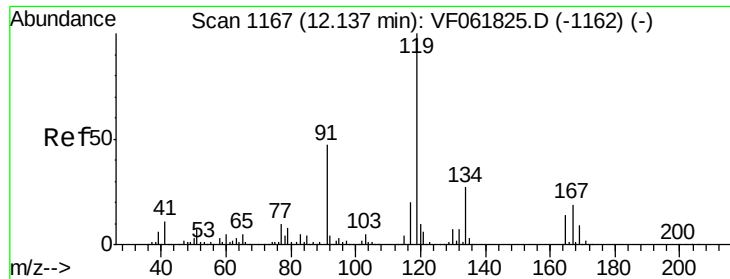
Tot Ion: 75 Resp: 52402
Ion Ratio Lower Upper
75 100
53 73.3 53.7 80.5
89 51.7 41.6 62.4



#82
4-Chlorotoluene
Concen: 50.494 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion: 91 Resp: 516229
Ion Ratio Lower Upper
91 100
126 33.9 19.1 57.1

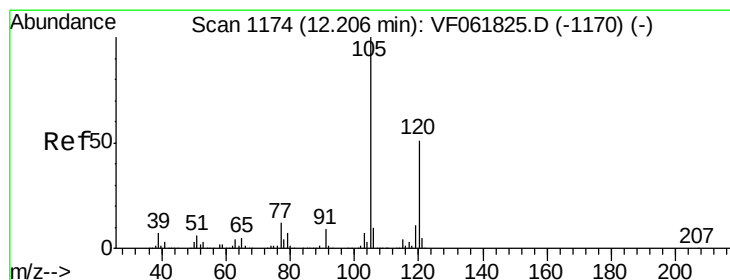
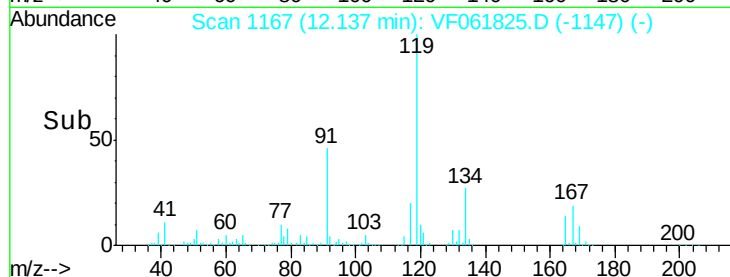
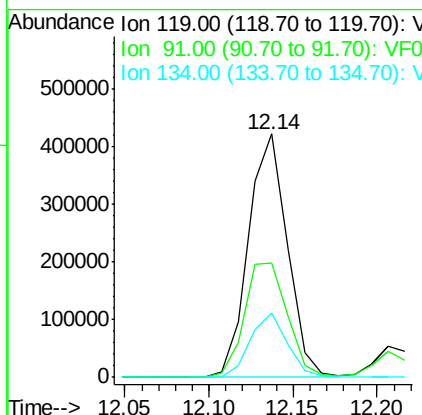
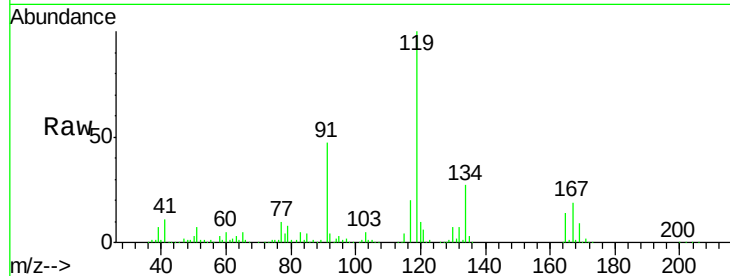




#83
 tert-Butylbenzene
 Concen: 49.901 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

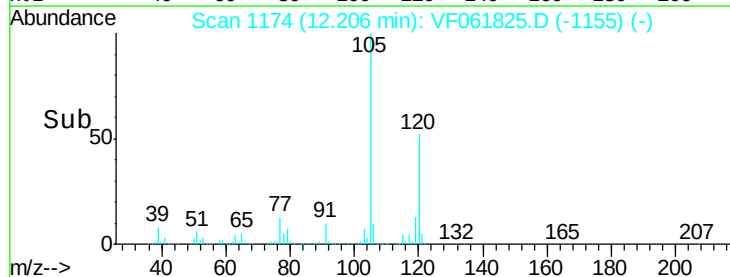
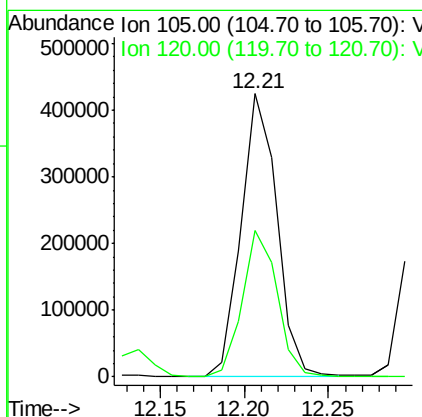
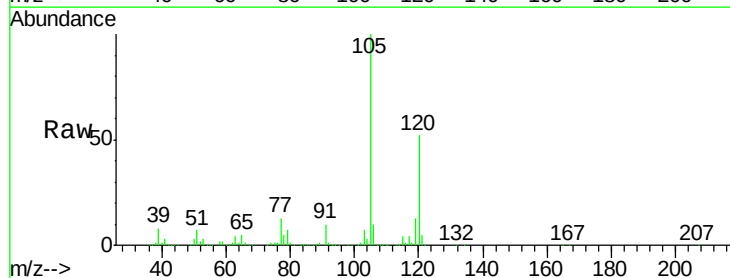
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

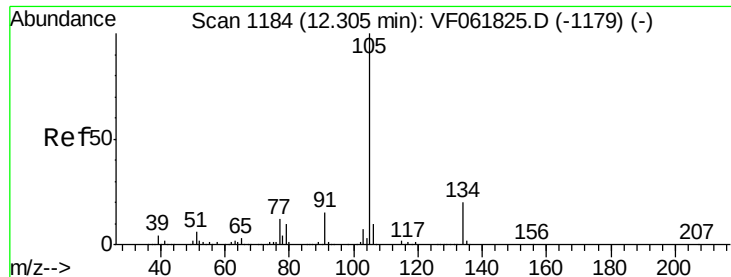
Tot Ion:119 Resp: 677031
 Ion Ratio Lower Upper
 119 100
 91 47.0 26.3 78.8
 134 26.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.501 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion:105 Resp: 626745
 Ion Ratio Lower Upper
 105 100
 120 51.6 26.1 78.3

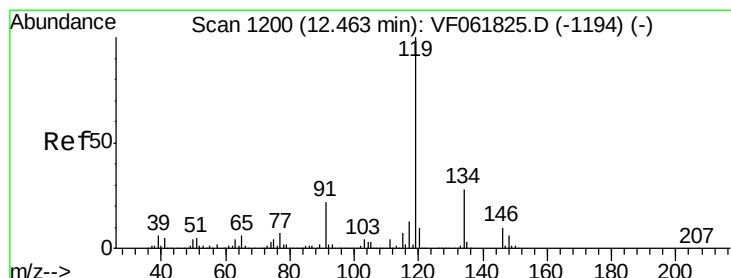
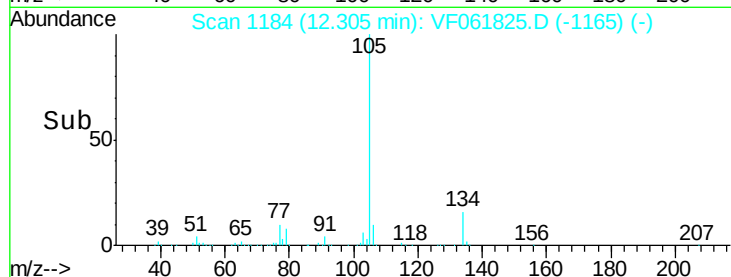
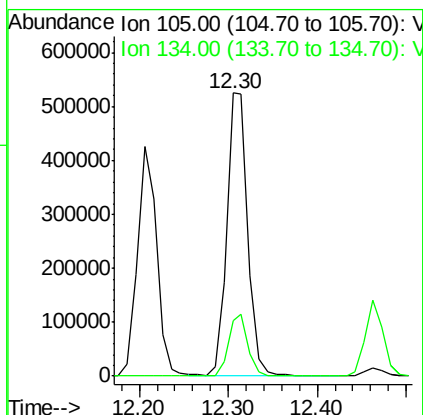
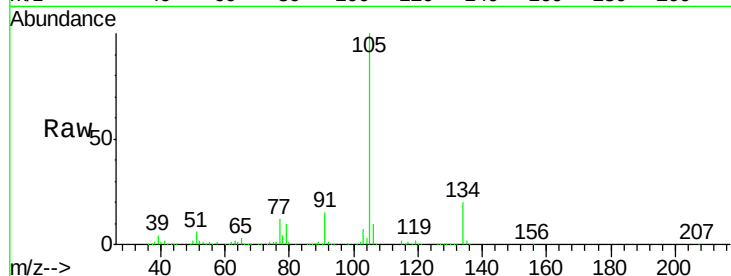




#85
 sec-Butylbenzene
 Concen: 49.782 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

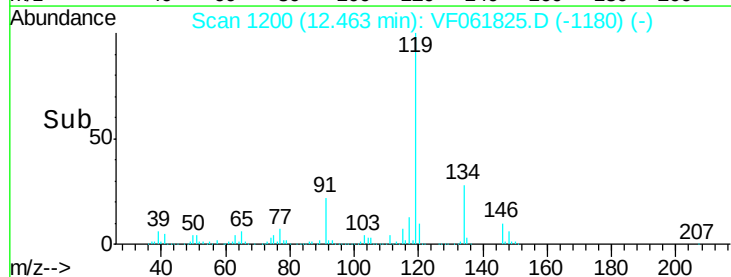
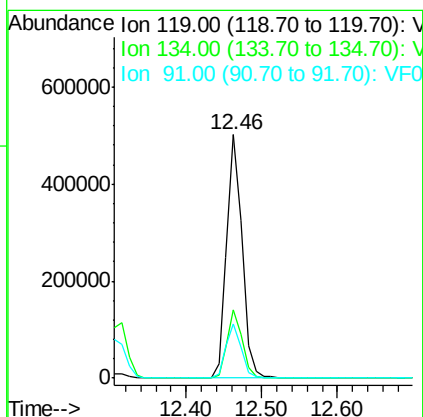
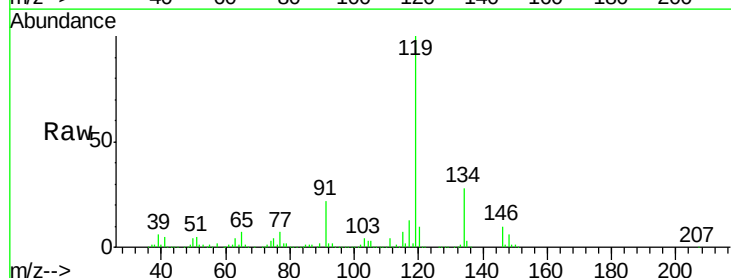
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

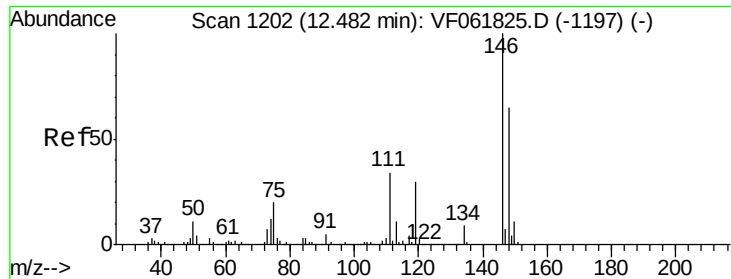
Tot Ion:105 Resp: 873416
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 48.125 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion:119 Resp: 708617
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.7 41.1
 91 22.2 10.8 32.4

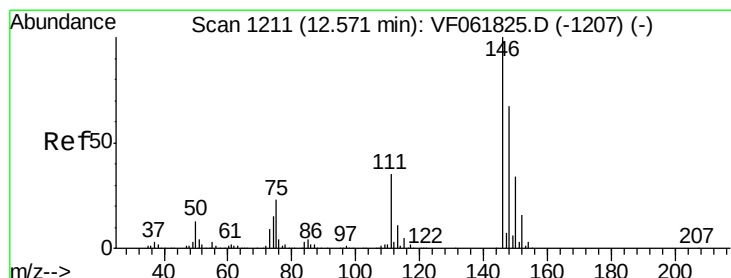
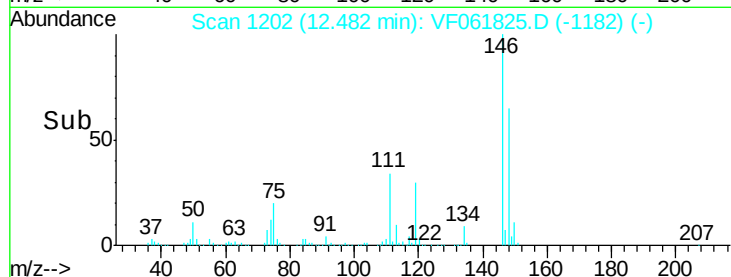
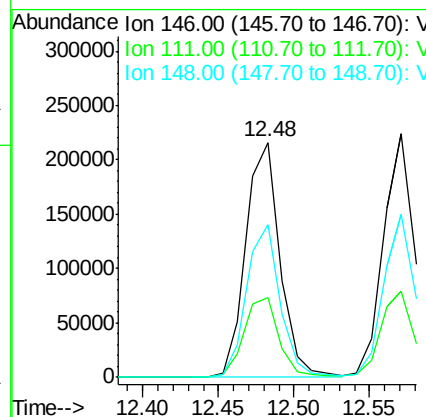
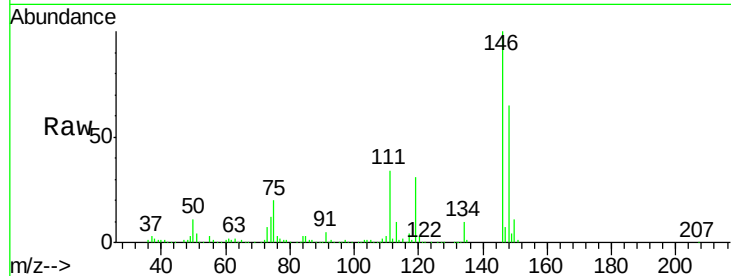




#87
 1,3-Dichlorobenzene
 Concen: 46.197 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

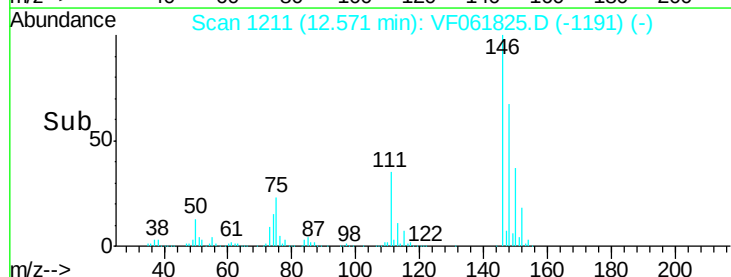
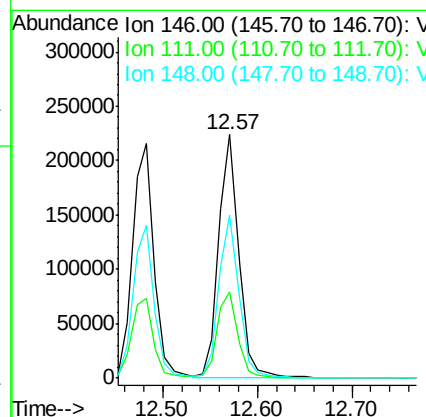
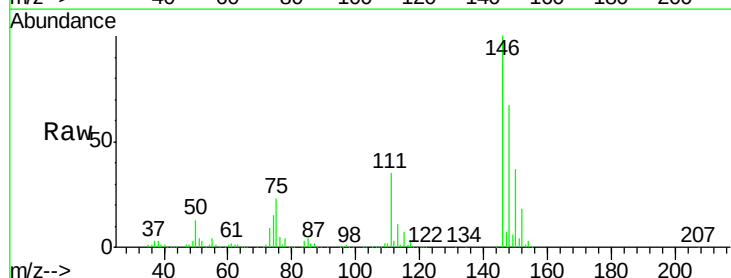
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

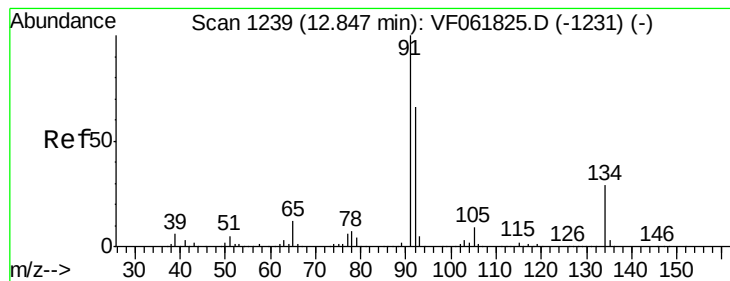
Tot Ion:146 Resp: 341001
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.5 52.6
 148 65.0 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 46.819 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion:146 Resp: 332361
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.4 55.4
 148 66.9 32.2 96.6





#89

n-Butylbenzene

Concen: 49.446 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

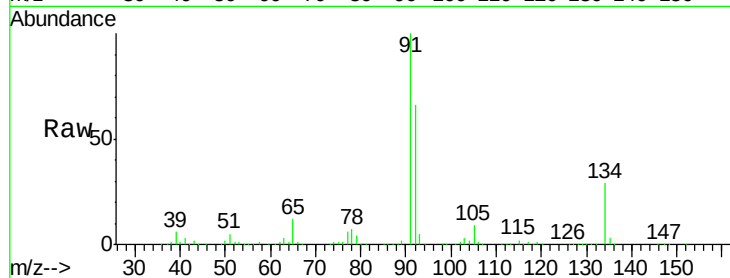
Tot Ion: 91 Resp: 687503

Ion Ratio Lower Upper

91 100

92 65.7 31.4 94.3

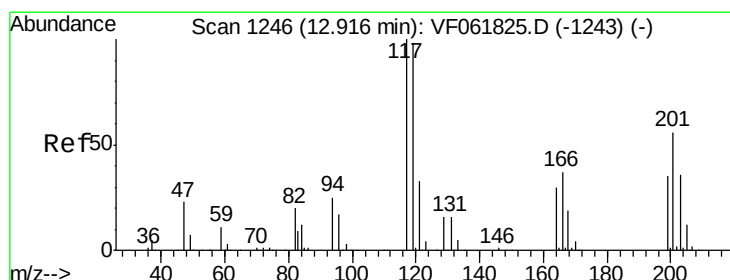
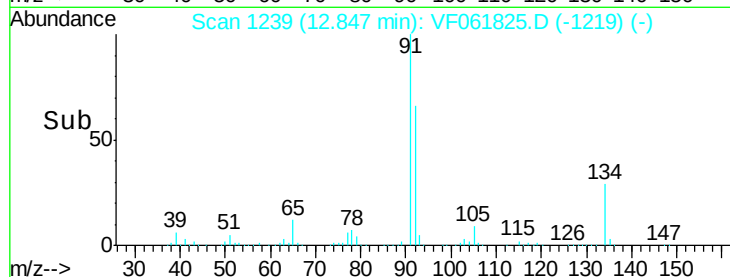
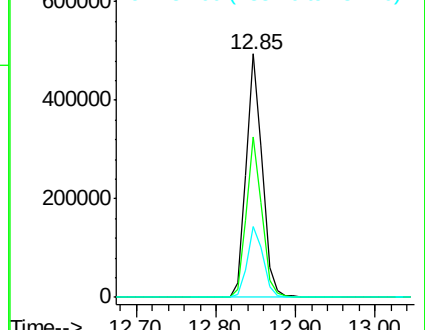
134 29.1 12.3 36.9



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: 53.198 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF061825.D

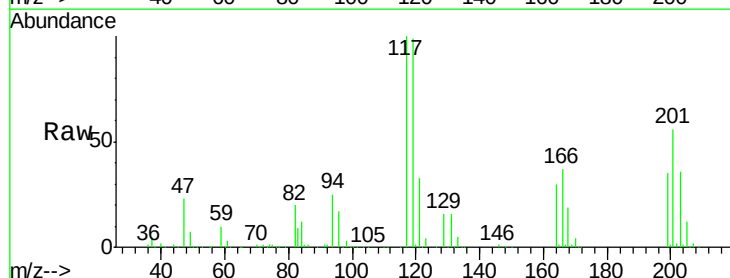
Acq: 4 Mar 2019 17:30

Tgt Ion: 117 Resp: 182179

Ion Ratio Lower Upper

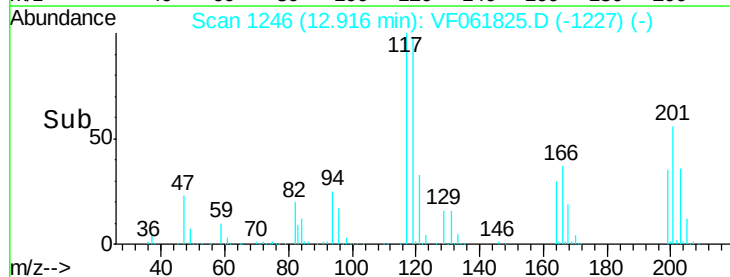
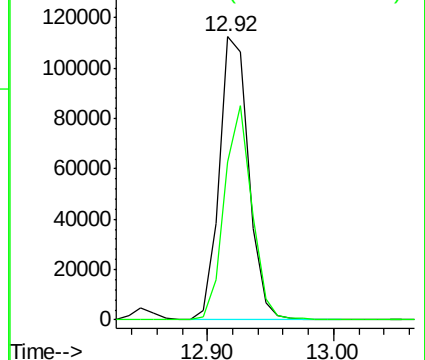
117 100

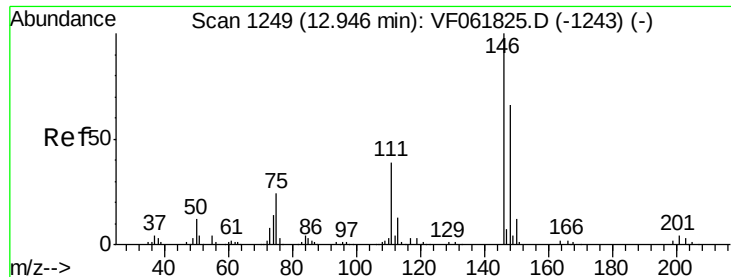
201 55.6 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

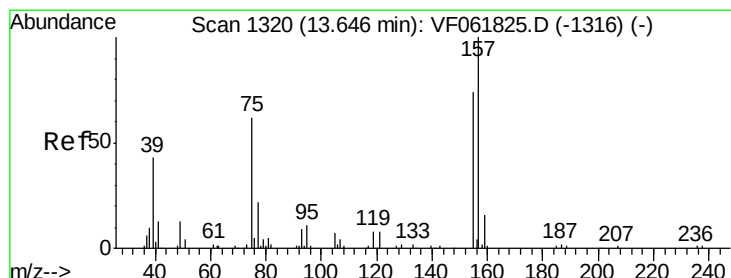
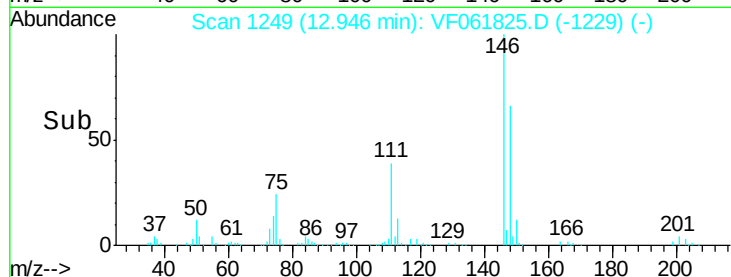
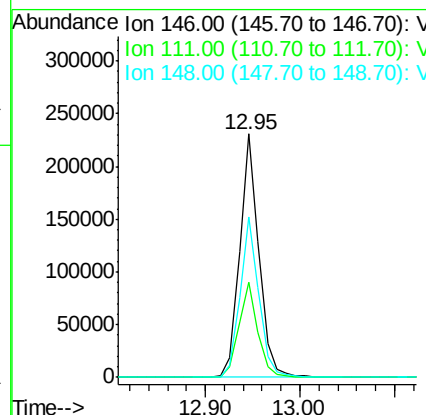
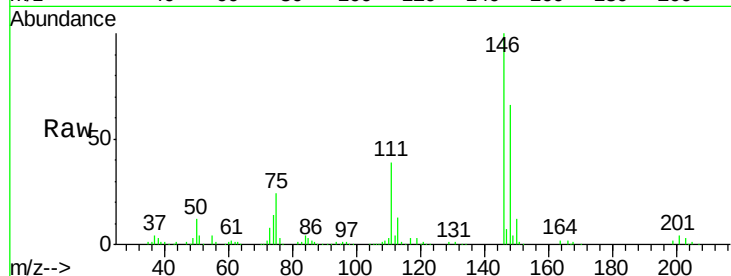




#91
 1,2-Dichlorobenzene
 Concen: 46.190 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

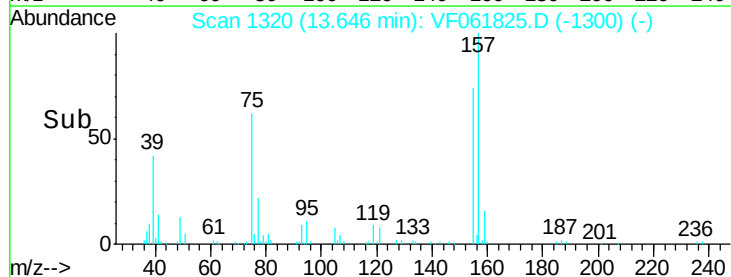
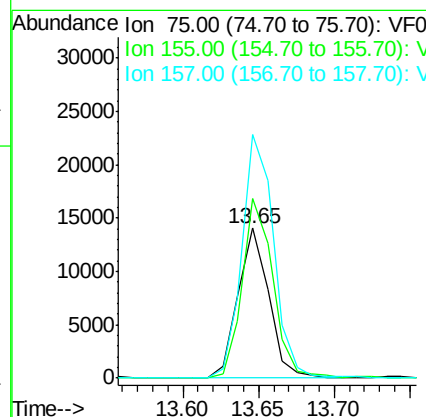
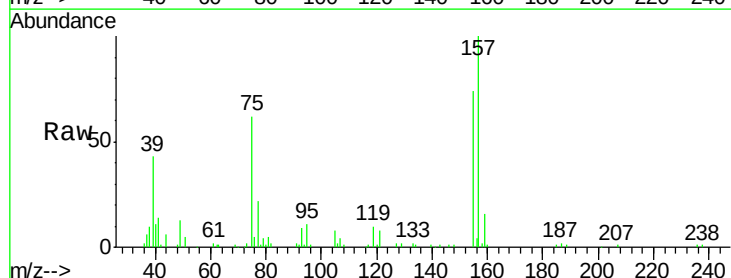
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

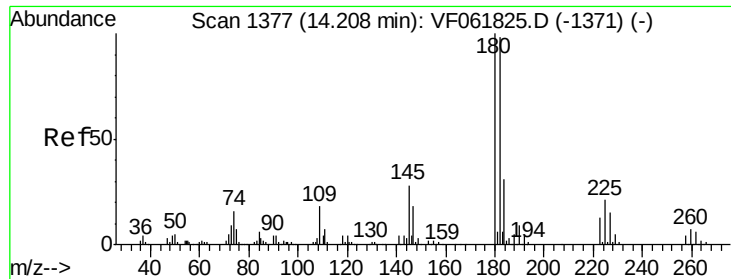
Tot Ion:146 Resp: 324292
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.2 60.5
 148 65.9 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.406 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion: 75 Resp: 19767
 Ion Ratio Lower Upper
 75 100
 155 119.6 48.9 146.8
 157 162.3 58.3 174.8

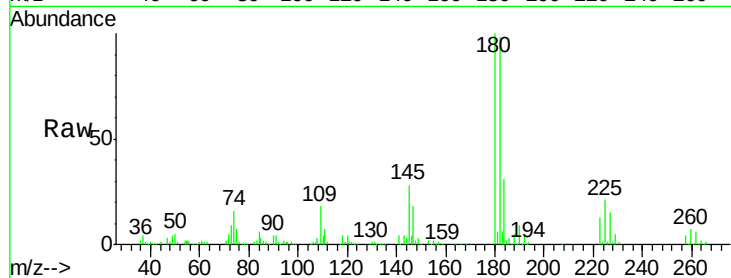




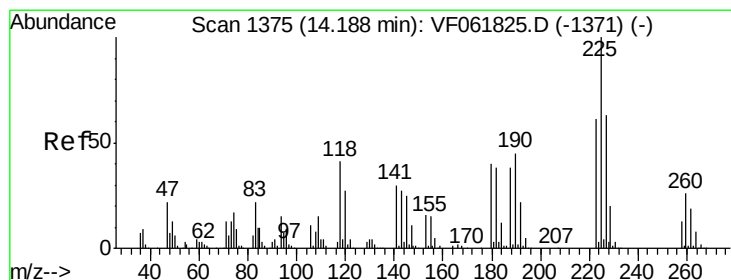
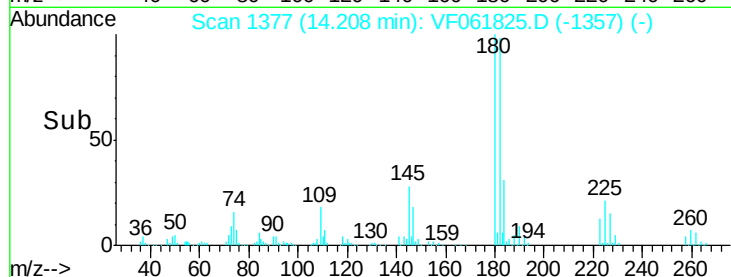
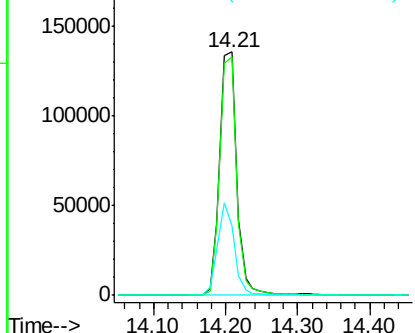
#93
 1,2,4-Trichlorobenzene
 Concen: 44.636 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 224629
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.6 145.9
 145 28.3 15.3 45.9

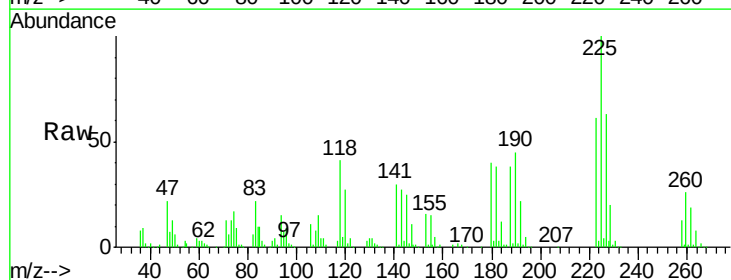


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

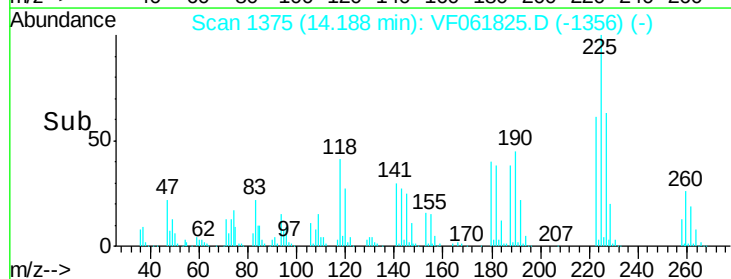
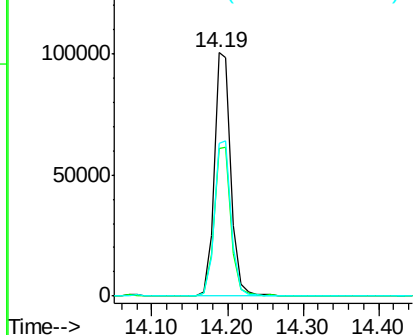


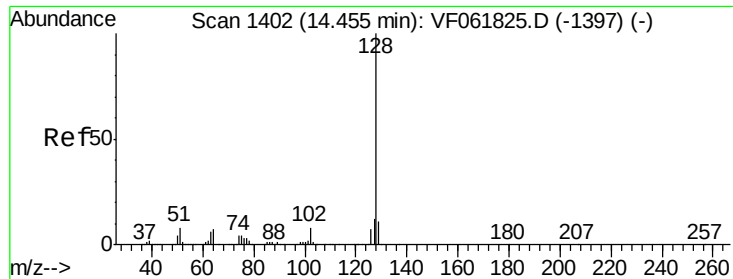
#94
 Hexachlorobutadiene
 Concen: 50.523 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion:225 Resp: 157026
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.9 92.7
 227 62.5 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: 47.745 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

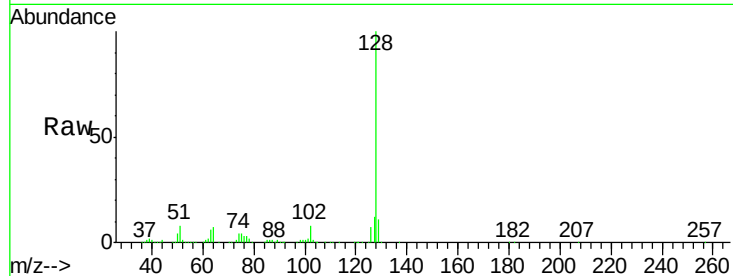
Tot Ion:128 Resp: 420383

Ion Ratio Lower Upper

128 100

127 11.6 9.8 14.6

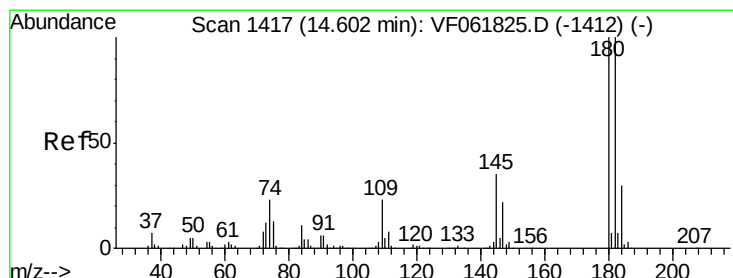
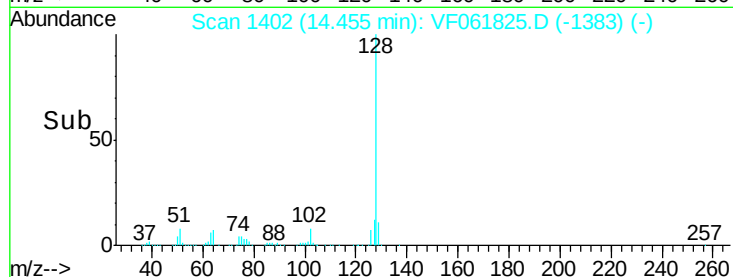
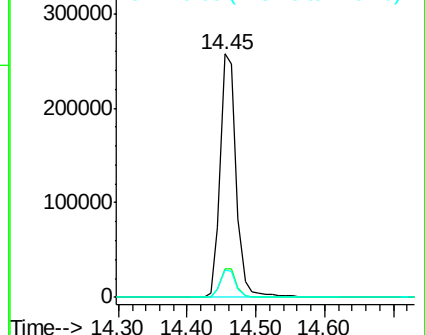
129 11.0 9.4 14.2



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: 47.372 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

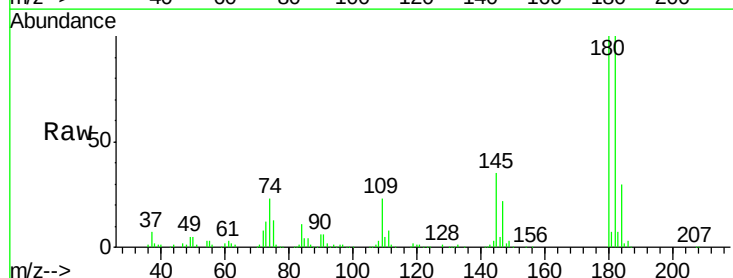
Tgt Ion:180 Resp: 218811

Ion Ratio Lower Upper

180 100

182 100.5 49.0 147.2

145 35.0 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

