

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061940.D
 Acq On : 14 Mar 2019 15:57
 Operator : VA/AP
 Sample : VF0314SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBSD01

Quant Time: Mar 15 01:17:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	281011	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	442220	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	373978	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	198273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	111982	54.72	ug/l	-0.01
Spiked Amount			Recovery	=	109.44%	
35) Dibromofluoromethane	4.11	113	161929	52.47	ug/l	-0.01
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	7.55	98	450347	49.10	ug/l	-0.01
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.41	95	186498	51.90	ug/l	-0.01
Spiked Amount			Recovery	=	103.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	77884	22.575	ug/l	92
3) Chloromethane	1.10	50	79597	23.806	ug/l	99
4) Vinyl Chloride	1.14	62	71916	22.658	ug/l	98
5) Bromomethane	1.33	94	50867	23.516	ug/l	98
6) Chloroethane	1.40	64	37455	24.825	ug/l	100
7) Trichlorofluoromethane	1.48	101	91017	23.479	ug/l	97
8) Diethyl Ether	1.63	74	19932	22.611	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	65050	24.710	ug/l	97
10) Methyl Iodide	1.90	142	94029	18.770	ug/l	96
11) Tert butyl alcohol	2.57	59	12108	104.240	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	54330	22.606	ug/l	97
13) Acrolein	2.00	56	15016	102.024	ug/l	92
14) Allyl chloride	2.10	41	67978	25.675	ug/l	96
15) Acrylonitrile	2.95	53	44347	119.900	ug/l	98
16) Acetone	2.24	43	51817	120.878	ug/l	100
17) Carbon Disulfide	1.82	76	166712	22.285	ug/l	98
18) Methyl Acetate	2.43	43	20724	24.107	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	94554	23.257	ug/l	98
20) Methylene Chloride	2.18	84	23000	4.910	ug/l	92
21) trans-1,2-Dichloroethene	2.30	96	59352	26.240	ug/l	89
22) Diisopropyl ether	2.80	45	167813	24.366	ug/l	97
23) Vinyl Acetate	3.18	43	371072	120.604	ug/l	100
24) 1,1-Dichloroethane	2.87	63	99998	24.292	ug/l	99
25) 2-Butanone	4.34	43	109305	125.356	ug/l	94
26) 2,2-Dichloropropane	3.60	77	46417	25.258	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	72944	23.277	ug/l	92
28) Bromochloromethane	3.71	49	41360	23.049	ug/l #	93
29) Tetrahydrofuran	4.07	42	45132	120.016	ug/l	97
30) Chloroform	3.85	83	110454	23.491	ug/l	96
31) Cyclohexane	3.68	56	63937	14.829	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	73637	25.407	ug/l	98
36) 1,1-Dichloropropene	4.28	75	92064	22.039	ug/l	96
37) Ethyl Acetate	4.11	43	36480	20.806	ug/l #	94
38) Carbon Tetrachloride	3.99	117	68516	23.170	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	106275	21.539	ug/l	94
40) Benzene	4.63	78	236523	21.662	ug/l	99
41) Methacrylonitrile	4.74	41	19989	20.808	ug/l #	90
42) 1,2-Dichloroethane	4.94	62	55749	20.488	ug/l	96
43) Isopropyl Acetate	6.96	43	43193	19.985	ug/l	94
44) Trichloroethene	5.50	130	73909	21.781	ug/l	97
45) 1,2-Dichloropropane	6.23	63	55489	21.371	ug/l	91
46) Dibromomethane	6.08	93	33784	20.674	ug/l	91
47) Bromodichloromethane	6.38	83	75885	21.020	ug/l #	93
48) Methyl methacrylate	6.71	41	27890	20.390	ug/l	93
49) 1,4-Dioxane	6.70	88	5136	410.752	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	159500	106.779	ug/l	94
52) Toluene	7.62	92	135976	21.051	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	61907	20.774	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	87483	21.284	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	39674	21.317	ug/l	98
56) Ethyl methacrylate	8.62	69	43387	20.686	ug/l	98
57) 1,3-Dichloropropane	8.85	76	64871	21.314	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	40782	122.912	ug/l	97
59) 2-Hexanone	9.48	43	127819	118.614	ug/l	99
60) Dibromochloromethane	8.71	129	55486	20.918	ug/l	98
61) 1,2-Dibromoethane	8.98	107	41288	20.174	ug/l	98
64) Tetrachloroethene	8.15	164	63055	21.943	ug/l	94
65) Chlorobenzene	9.79	112	155545	21.649	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	57898	20.798	ug/l	98
67) Ethyl Benzene	9.90	91	263049	22.089	ug/l	98
68) m/p-Xylenes	10.12	106	203021	44.502	ug/l	99
69) o-Xylene	10.71	106	104636	21.300	ug/l	99
70) Styrene	10.78	104	155214	22.451	ug/l	98
71) Bromoform	10.76	173	30547	20.762	ug/l #	89
73) Isopropylbenzene	11.12	105	305120	22.353	ug/l	98
74) N-amyl acetate	11.37	43	74273	23.635	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	49647	21.884	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	32707	21.123	ug/l	96
77) Bromobenzene	11.48	156	72198	21.977	ug/l	98
78) n-propylbenzene	11.59	91	360886	23.412	ug/l	98
79) 2-Chlorotoluene	11.71	91	205489	23.317	ug/l	92
80) 1,3,5-Trimethylbenzene	11.82	105	248234	22.651	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	19860	28.050	ug/l	89
82) 4-Chlorotoluene	11.89	91	206025	22.855	ug/l	99
83) tert-Butylbenzene	12.13	119	273280	23.484	ug/l	93
84) 1,2,4-Trimethylbenzene	12.19	105	239431	22.286	ug/l	95
85) sec-Butylbenzene	12.30	105	337692	22.299	ug/l	97
86) p-Isopropyltoluene	12.45	119	293891	22.831	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	140458	22.517	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	132783	22.067	ug/l	99
89) n-Butylbenzene	12.84	91	290988	23.654	ug/l	95
90) Hexachloroethane	12.91	117	67479	21.779	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	128670	21.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7421	21.185	ug/l	81

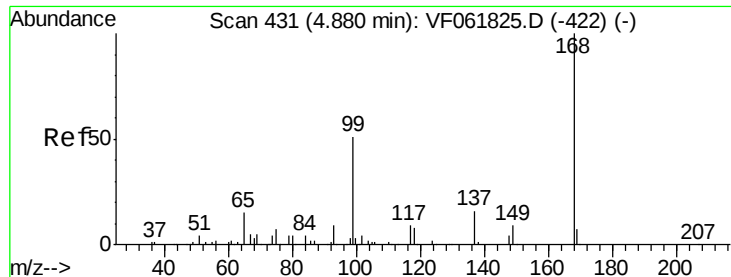
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031419\
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Instrument :
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ClientSampleId :
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Quant Time: Mar 15 01:17:03 2019
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	93847	22.650	ug/l	97
94) Hexachlorobutadiene	14.19	225	60032	20.930	ug/l	98
95) Naphthalene	14.45	128	158153	21.431	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	82590	21.589	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

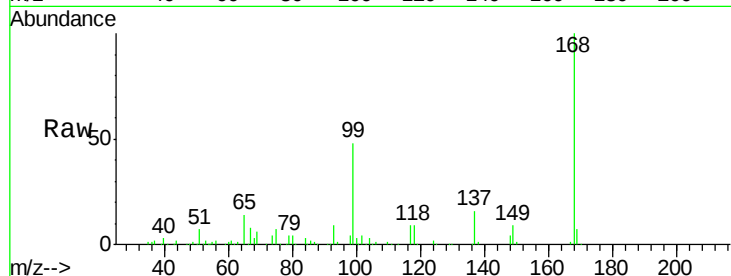
VF0314SBSD01

Tot Ion:168 Resp: 281011

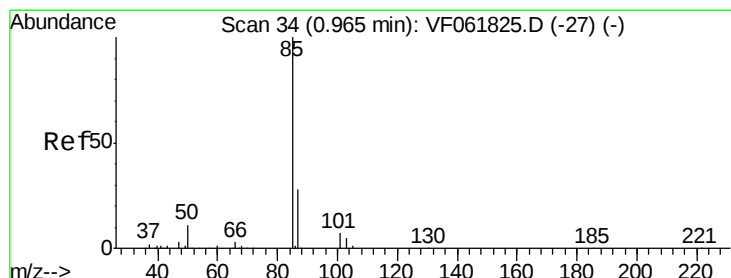
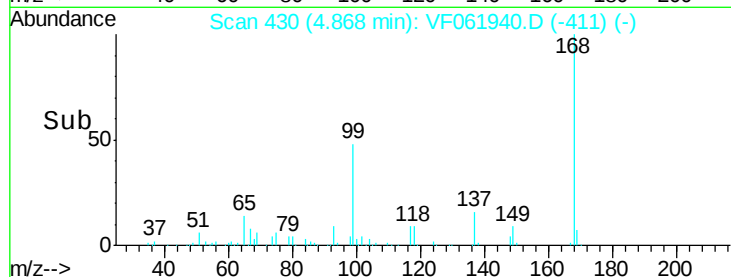
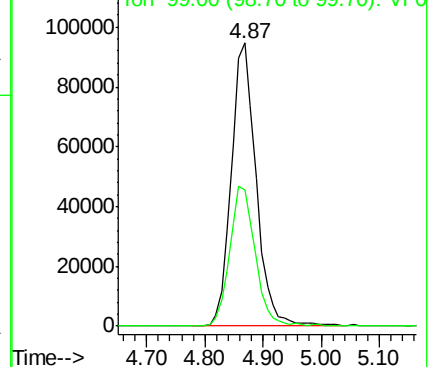
Ion Ratio Lower Upper

168 100

99 48.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.575 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061940.D

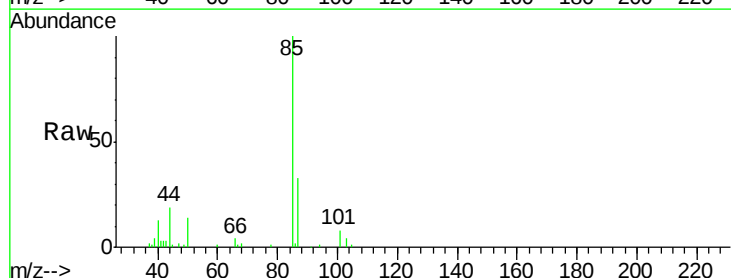
Acq: 14 Mar 2019 15:57

Tgt Ion: 85 Resp: 77884

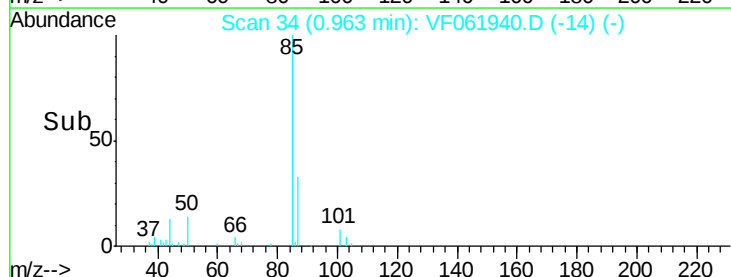
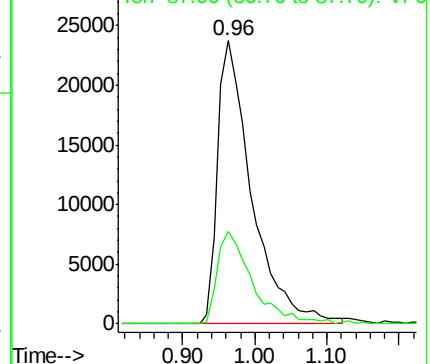
Ion Ratio Lower Upper

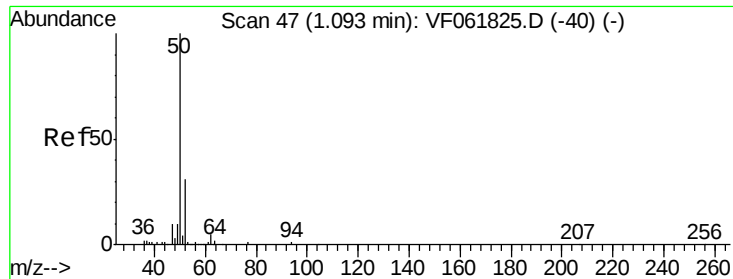
85 100

87 32.5 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.806 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

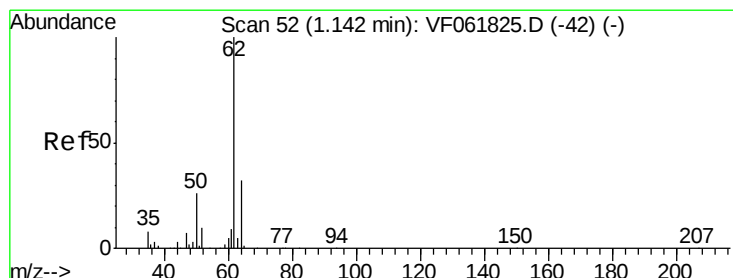
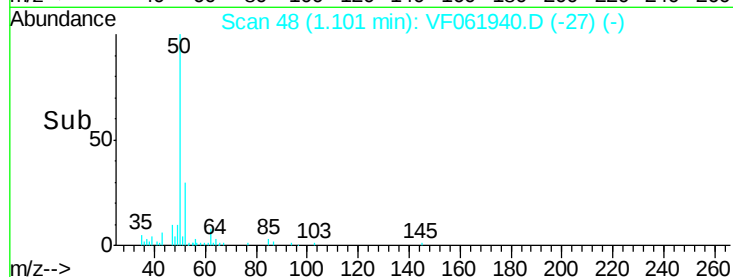
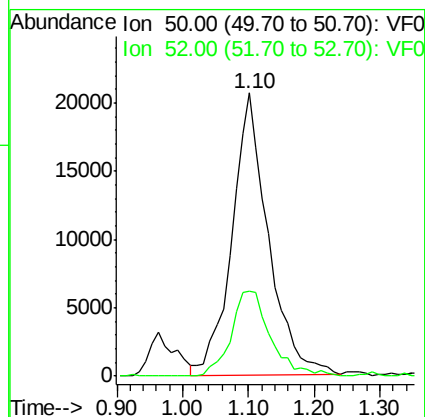
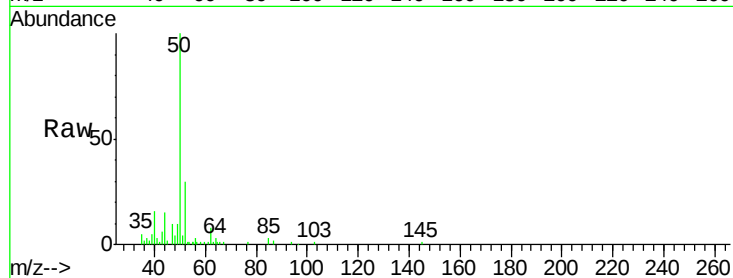
VF0314SBSD01

Tot Ion: 50 Resp: 79597

Ion Ratio Lower Upper

50 100

52 30.1 23.8 35.8



#4

Vinyl Chloride

Concen: 22.658 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061940.D

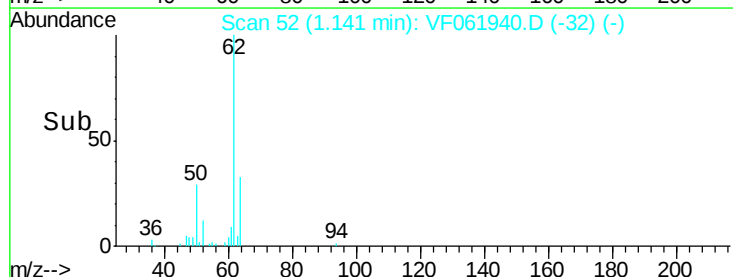
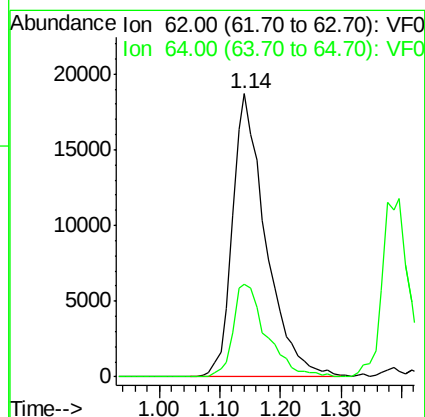
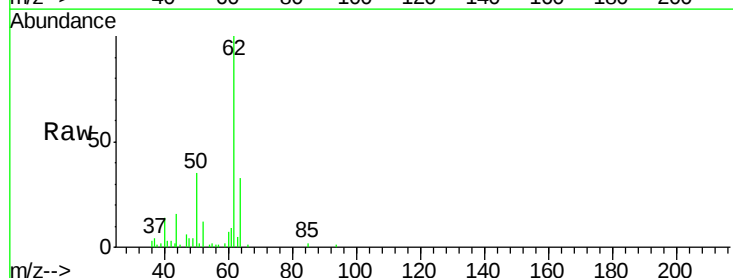
Acq: 14 Mar 2019 15:57

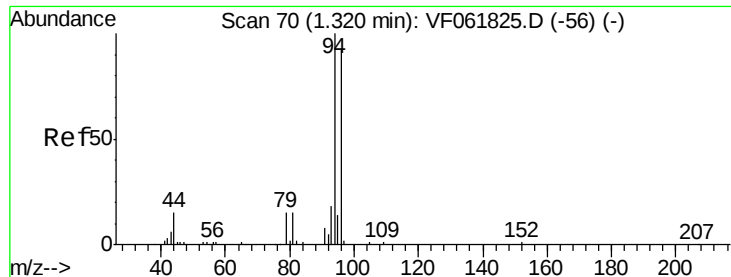
Tgt Ion: 62 Resp: 71916

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 23.516 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

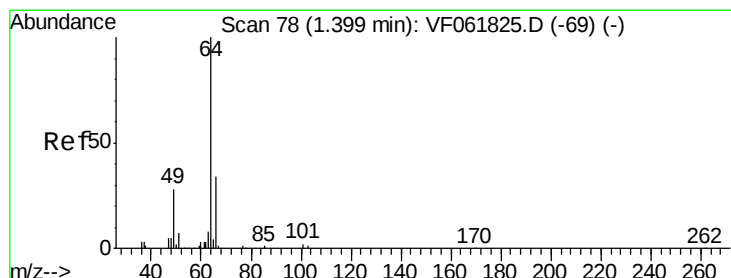
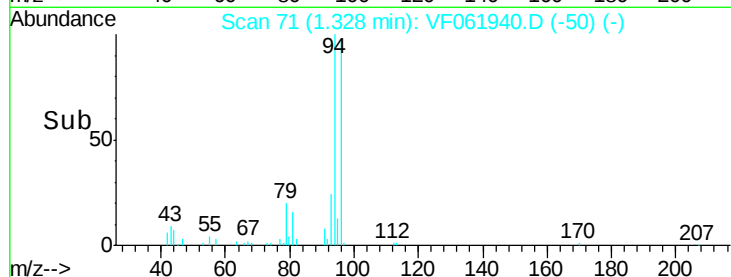
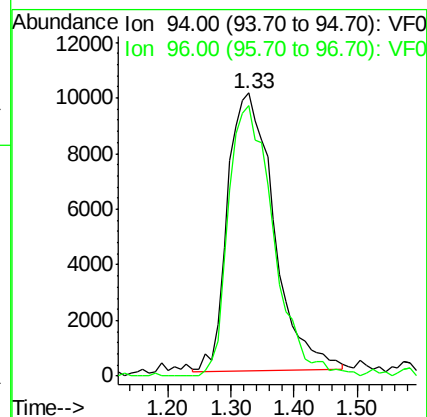
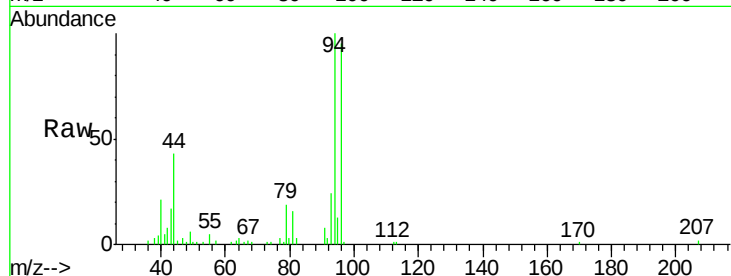
VF0314SBSD01

Tot Ion: 94 Resp: 50867

Ion Ratio Lower Upper

94 100

96 95.5 75.2 112.8



#6

Chloroethane

Concen: 24.825 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061940.D

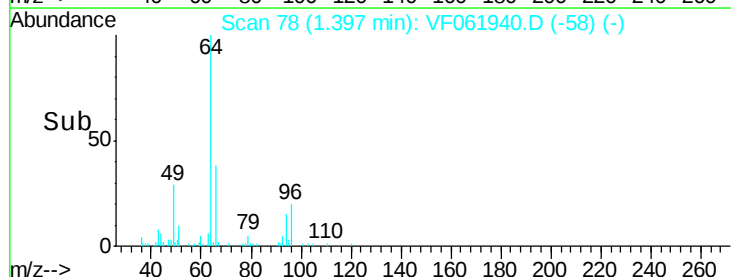
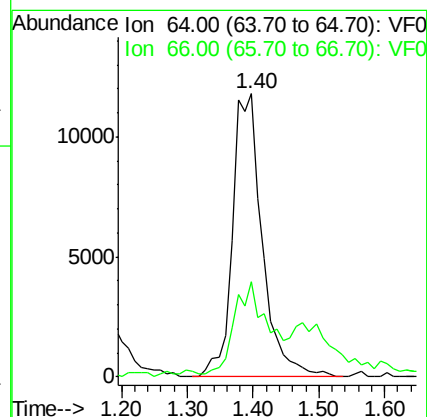
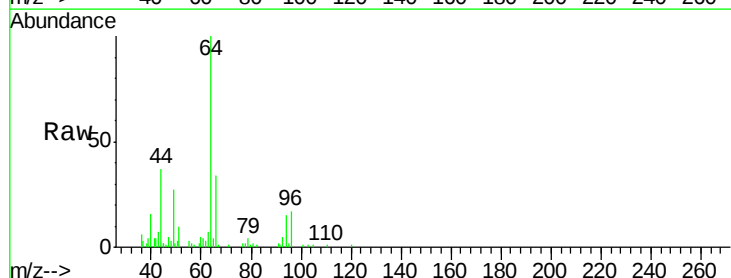
Acq: 14 Mar 2019 15:57

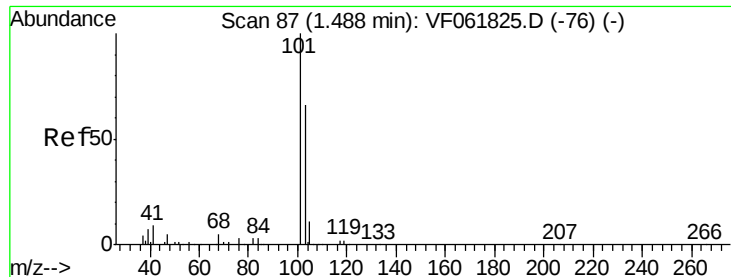
Tgt Ion: 64 Resp: 37455

Ion Ratio Lower Upper

64 100

66 33.6 27.0 40.4





#7

Trichlorofluoromethane

Concen: 23.479 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

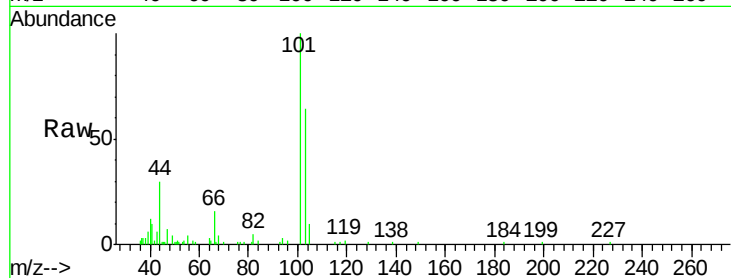
VF0314SBS01

Tot Ion:101 Resp: 91017

Ion Ratio Lower Upper

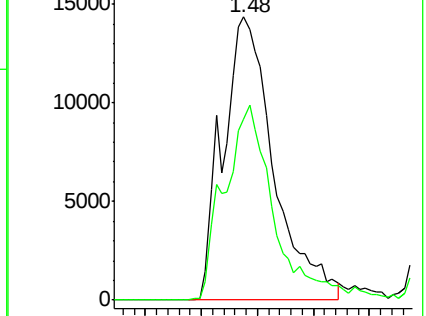
101 100

103 64.0 52.8 79.2

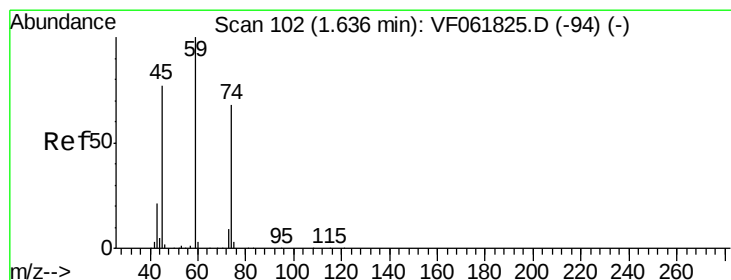
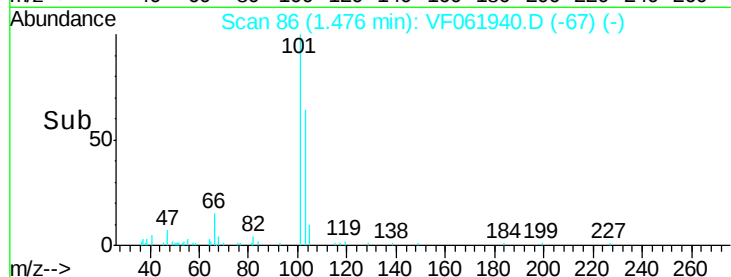


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#8

Diethyl Ether

Concen: 22.611 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061940.D

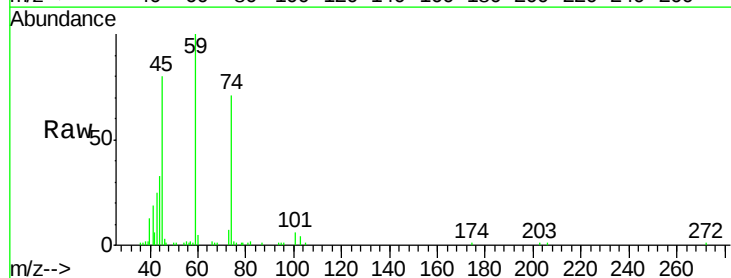
Acq: 14 Mar 2019 15:57

Tgt Ion: 74 Resp: 19932

Ion Ratio Lower Upper

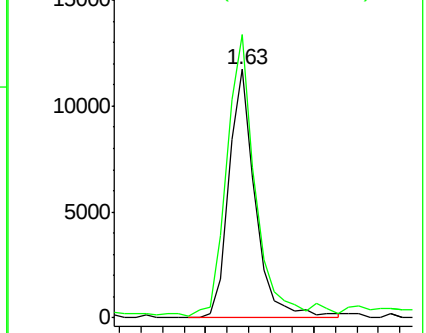
74 100

45 113.9 57.2 171.6

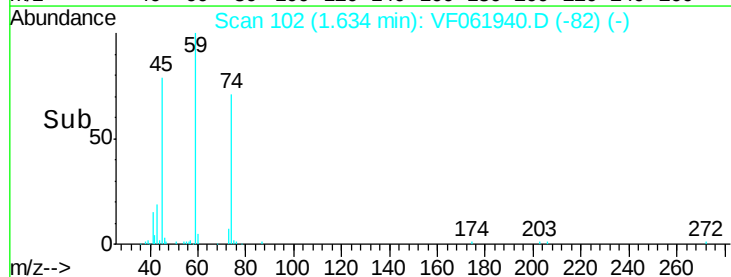


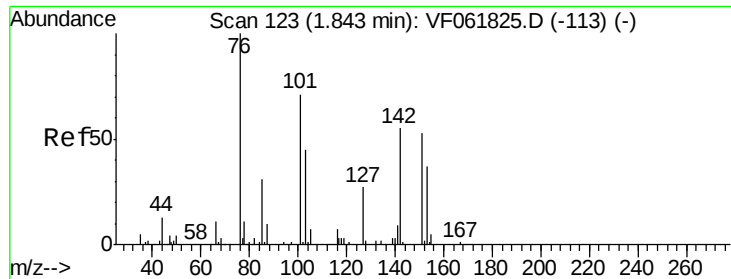
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.710 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

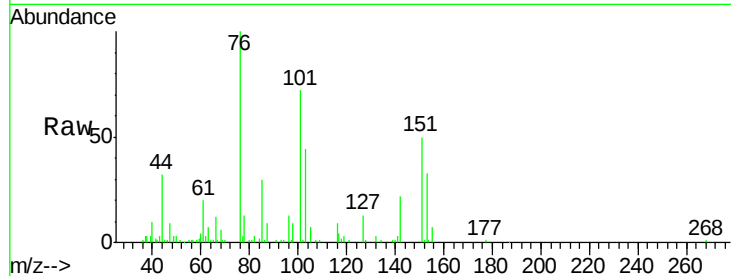
Tot Ion:101 Resp: 65050

Ion Ratio Lower Upper

101 100

85 41.5 34.0 51.0

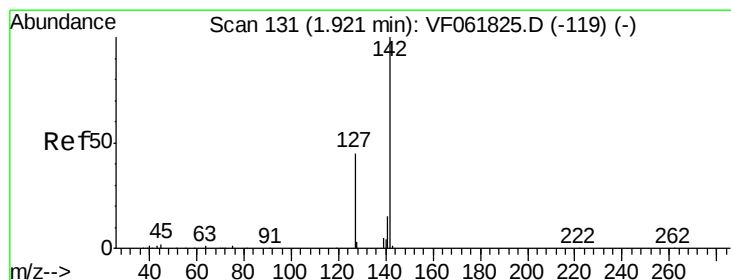
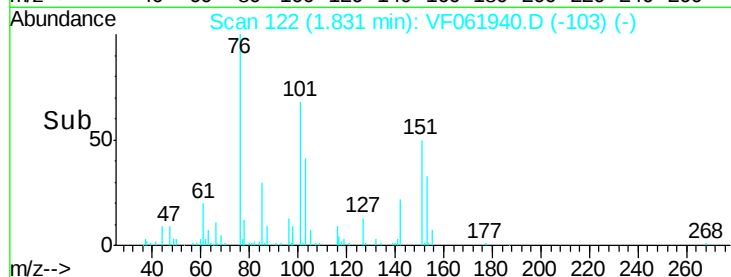
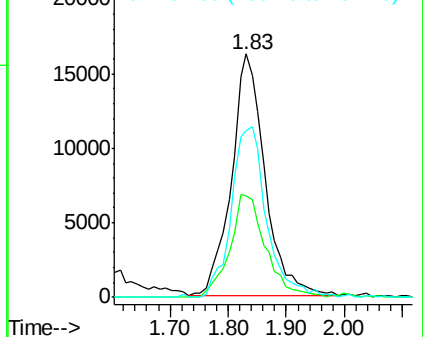
151 68.3 57.3 85.9



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: 18.770 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.02 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

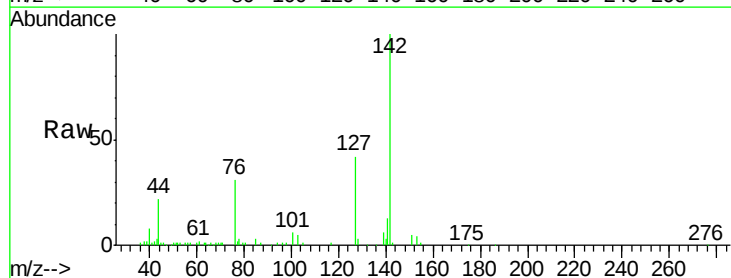
Tgt Ion:142 Resp: 94029

Ion Ratio Lower Upper

142 100

127 42.3 35.8 53.6

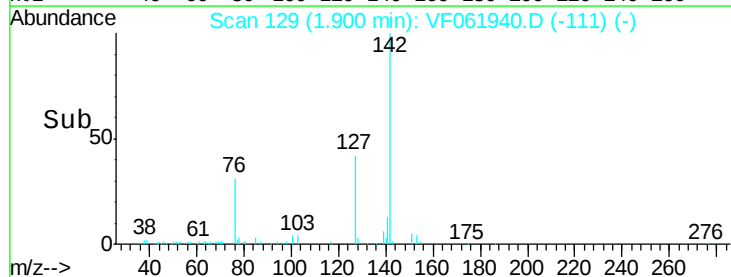
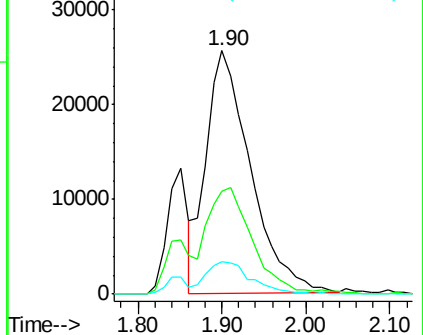
141 13.2 11.7 17.5

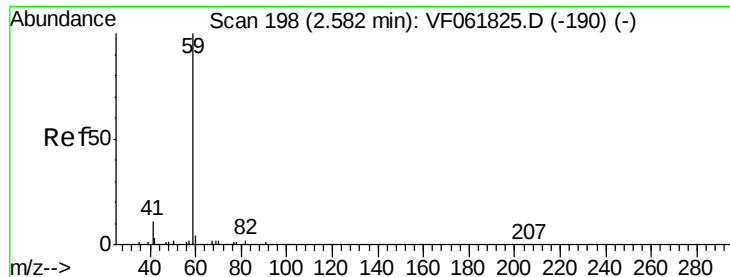


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

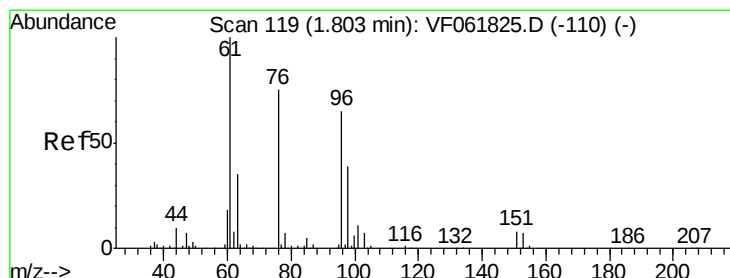
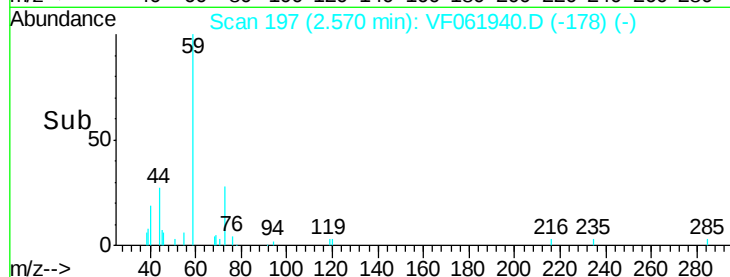
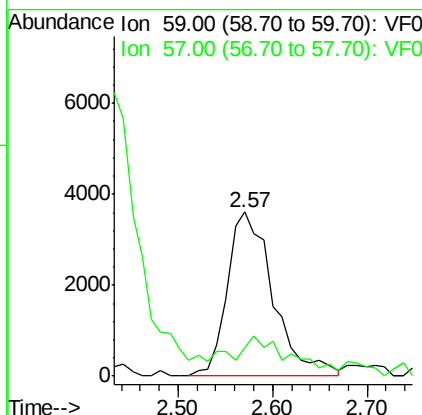
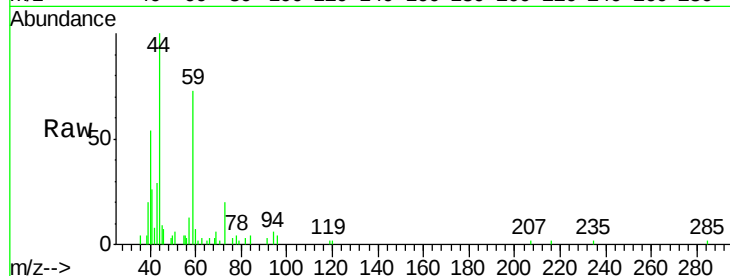




#11
Tert butyl alcohol
Concen: 104.240 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

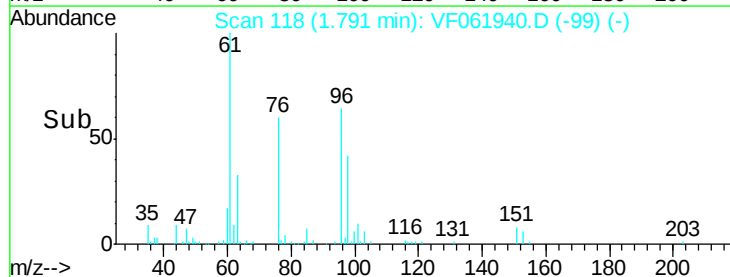
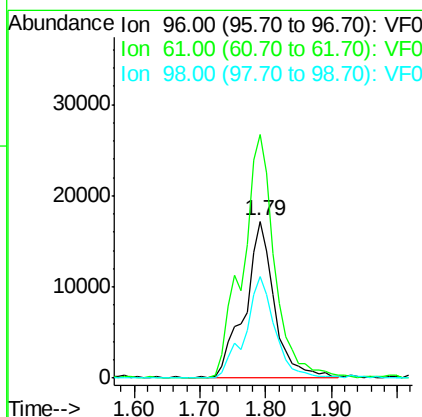
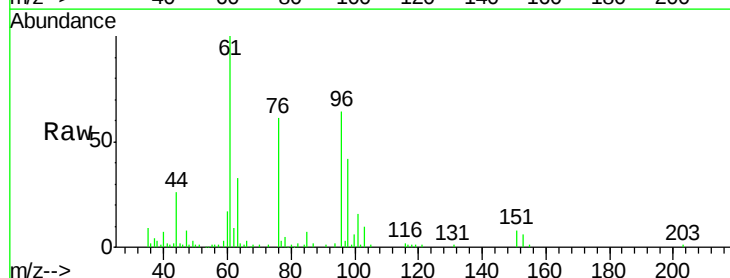
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

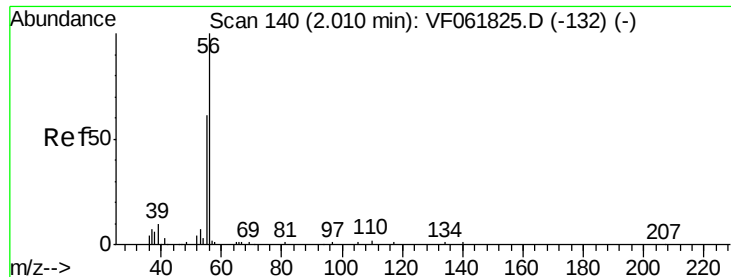
Tot Ion: 59 Resp: 12108
Ion Ratio Lower Upper
59 100
57 17.7 11.8 17.6#



#12
1,1-Dichloroethene
Concen: 22.606 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion: 96 Resp: 54330
Ion Ratio Lower Upper
96 100
61 155.5 122.5 183.7
98 64.6 47.1 70.7





#13

Acrolein

Concen: 102.024 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

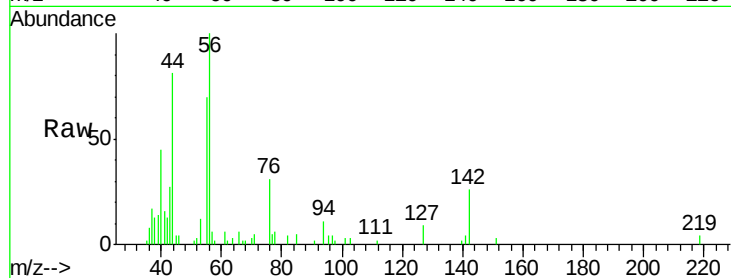
VF0314SBS01

Tot Ion: 56 Resp: 15016

Ion Ratio Lower Upper

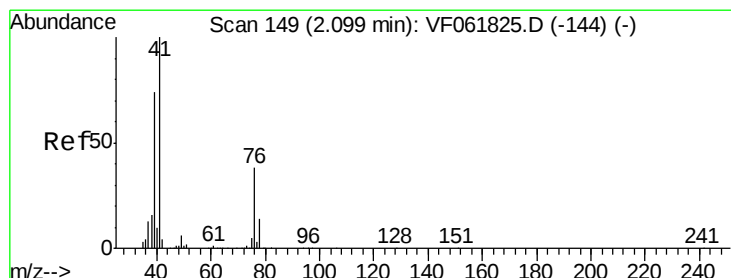
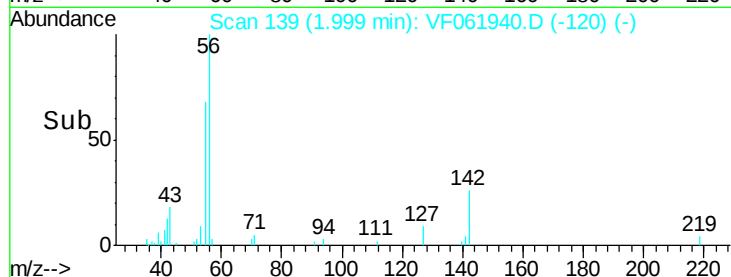
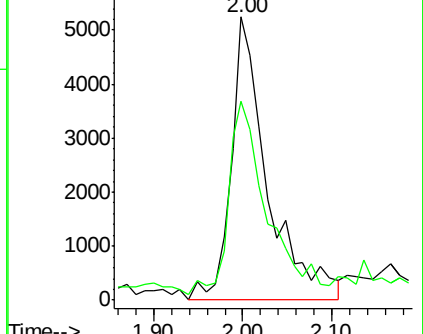
56 100

55 70.1 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 25.675 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

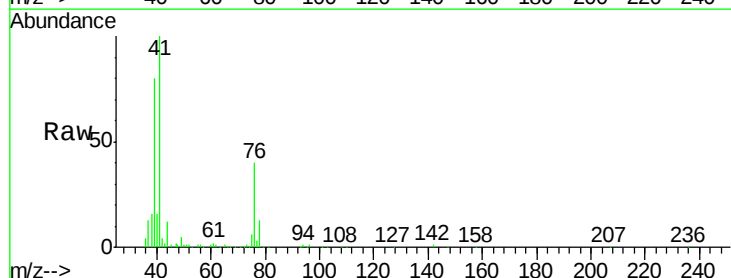
Tgt Ion: 41 Resp: 67978

Ion Ratio Lower Upper

41 100

39 79.8 59.6 89.4

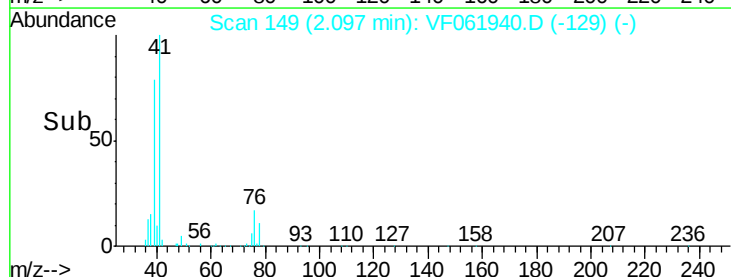
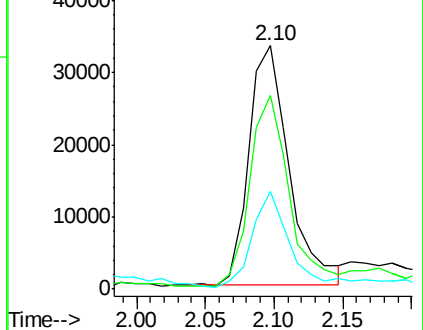
76 40.1 32.3 48.5

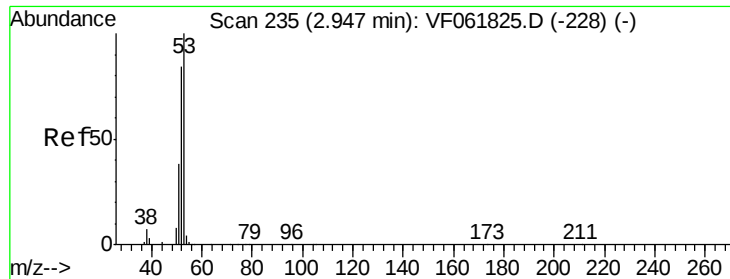


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 119.900 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

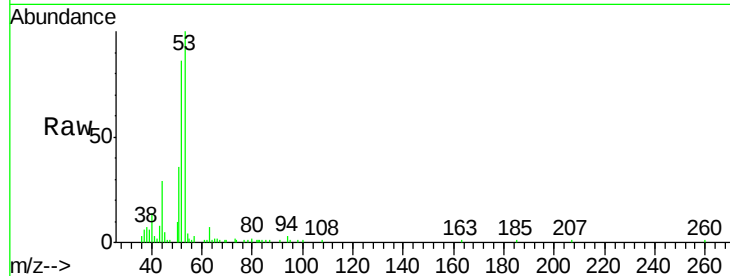
Tot Ion: 53 Resp: 44347

Ion	Ratio	Lower	Upper
53	100		
52	85.7	67.4	101.0
51	35.9	30.7	46.1

53 100

52 85.7 67.4 101.0

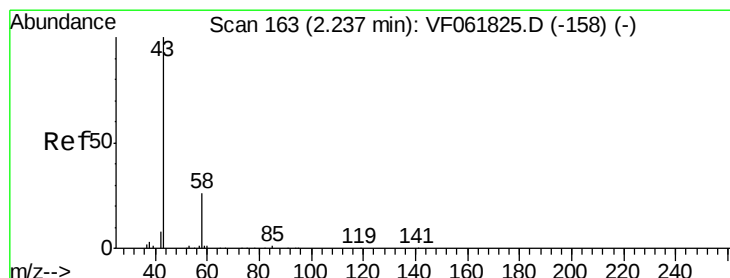
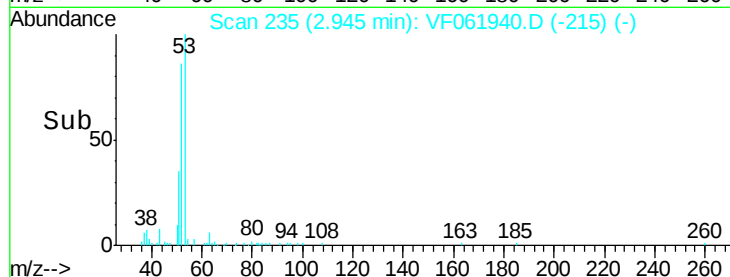
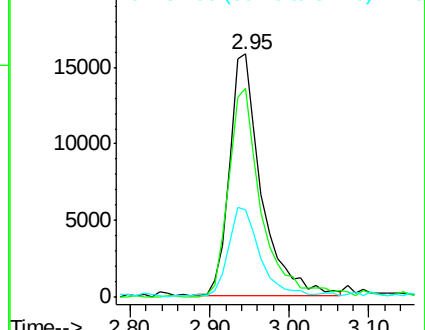
51 35.9 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 120.878 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061940.D

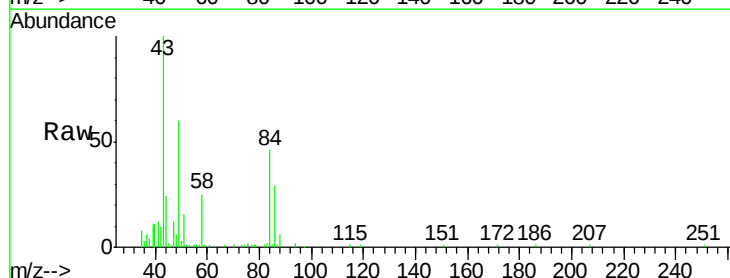
Acq: 14 Mar 2019 15:57

Tgt Ion: 43 Resp: 51817

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.3	30.5

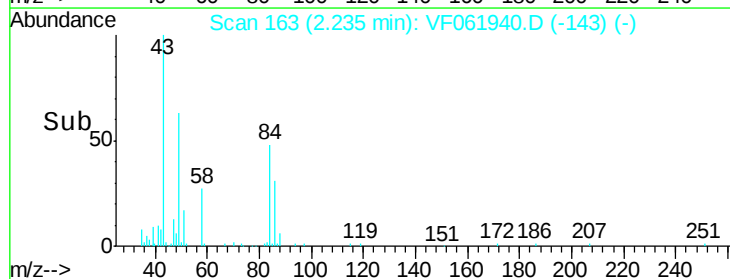
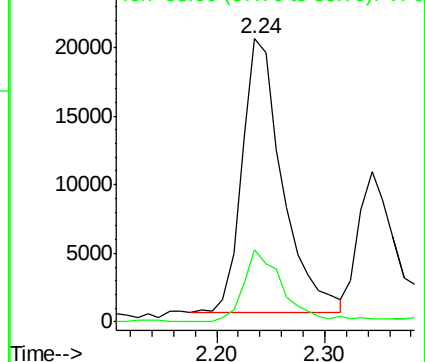
43 100

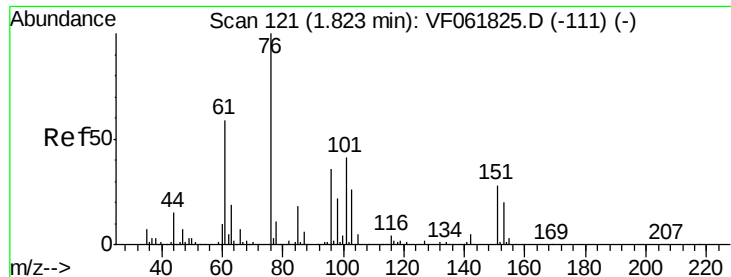
58 25.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

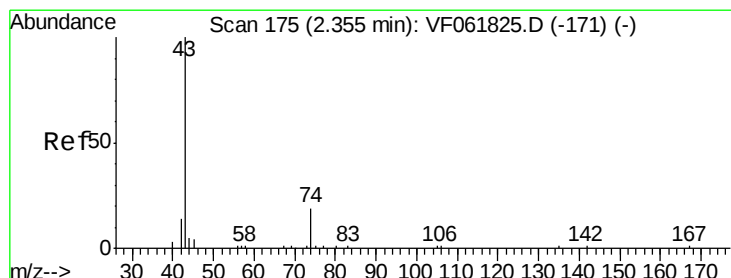
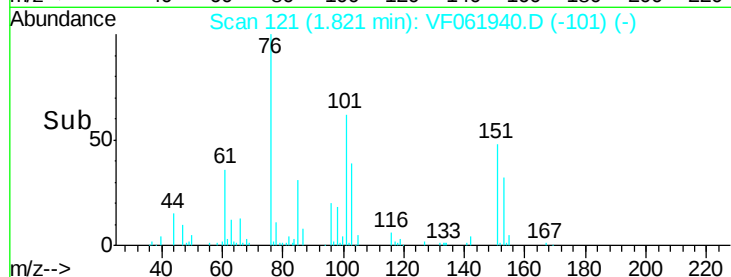
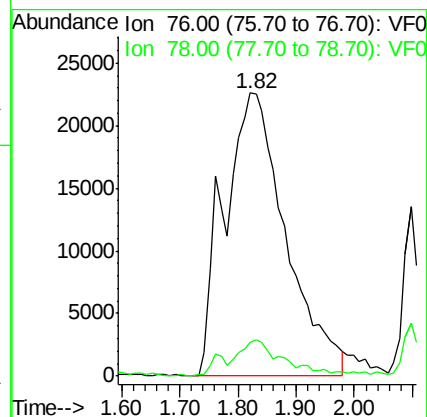
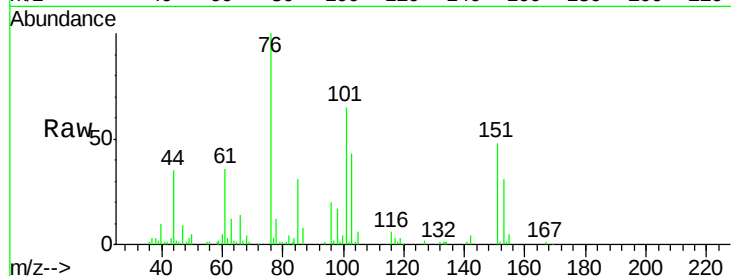




#17
Carbon Disulfide
Concen: 22.285 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

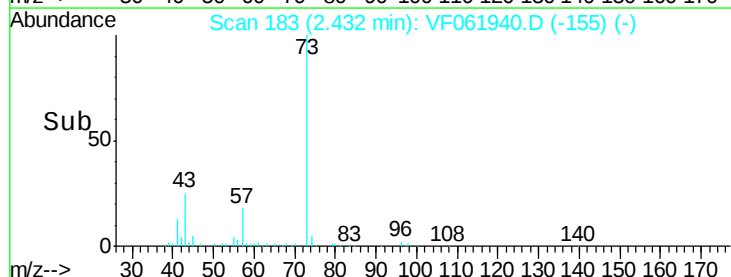
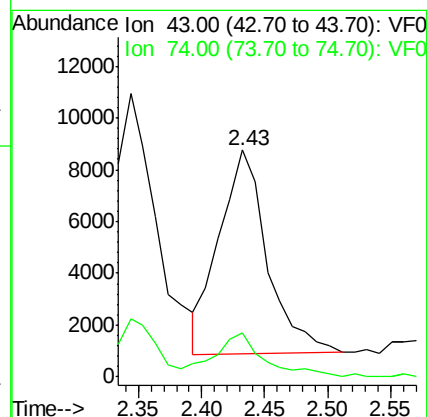
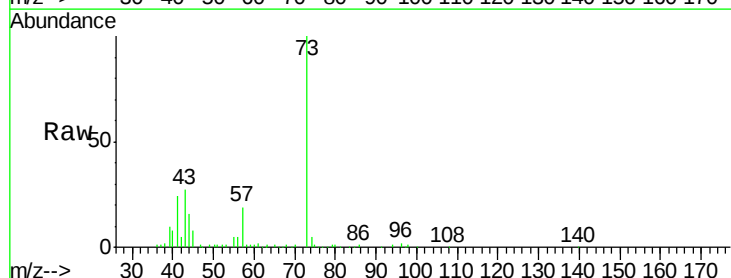
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

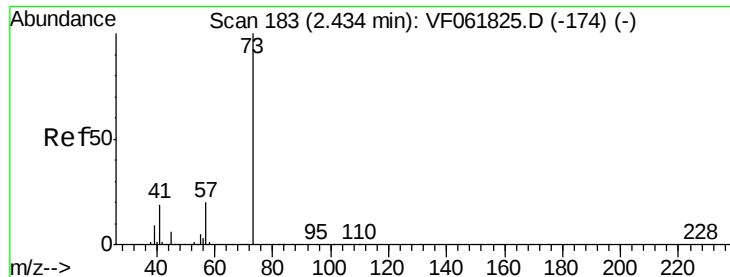
Tot Ion: 76 Resp: 166712
Ion Ratio Lower Upper
76 100
78 12.1 9.1 13.7



#18
Methyl Acetate
Concen: 24.107 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.08 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion: 43 Resp: 20724
Ion Ratio Lower Upper
43 100
74 19.4 13.2 19.8



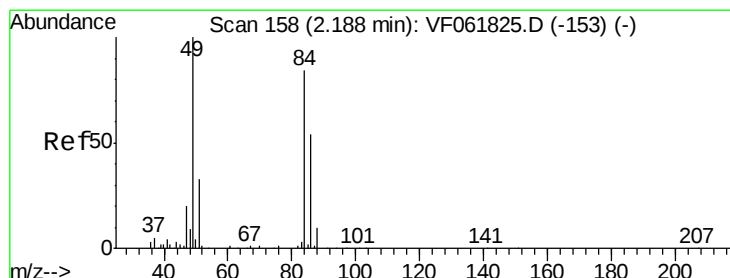
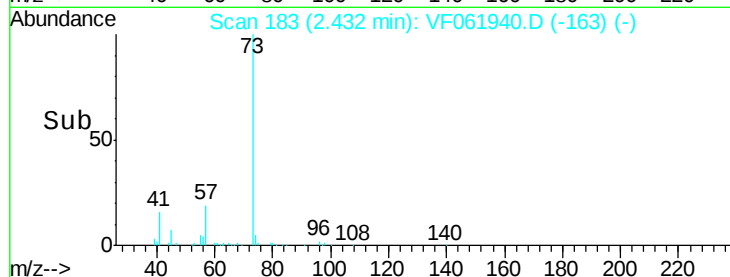
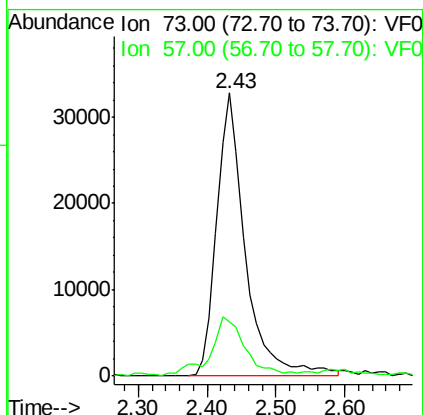
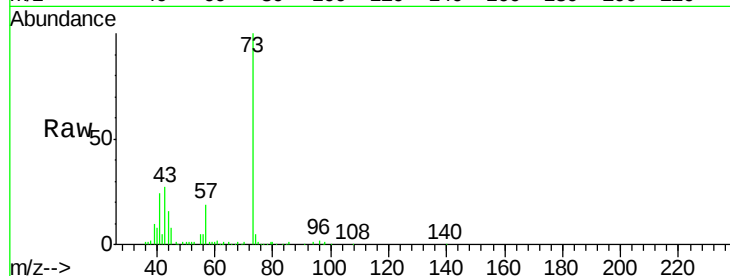


#19

Methyl tert-butyl Ether
 Concen: 23.257 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBS01

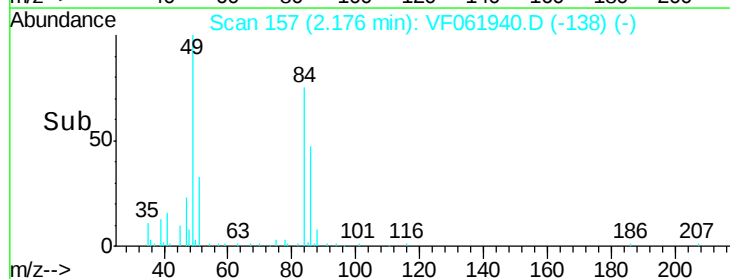
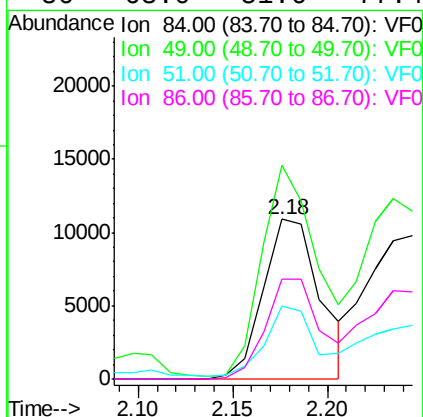
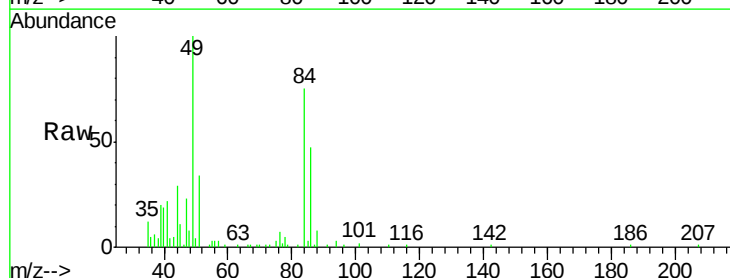
Tot Ion: 73 Resp: 94554
 Ion Ratio Lower Upper
 73 100
 57 19.0 16.1 24.1

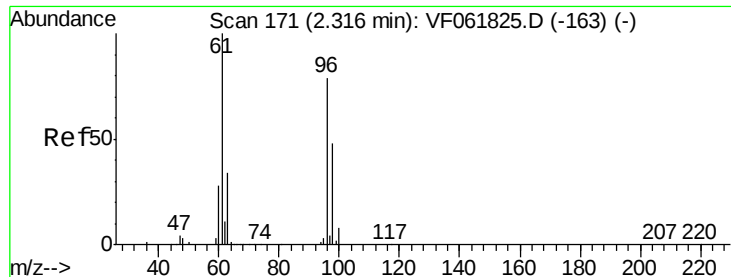


#20

Methylene Chloride
 Concen: 4.910 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Tgt Ion: 84 Resp: 23000
 Ion Ratio Lower Upper
 84 100
 49 133.9 96.8 145.2
 51 45.4 31.8 47.6
 86 63.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 26.240 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

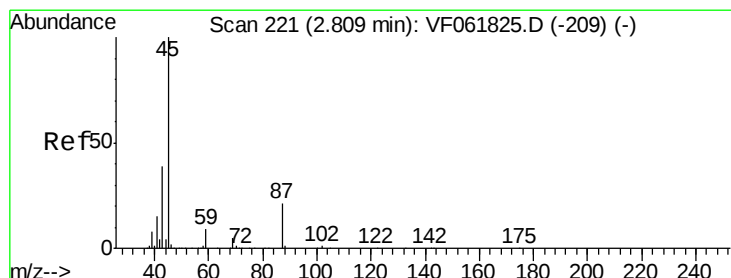
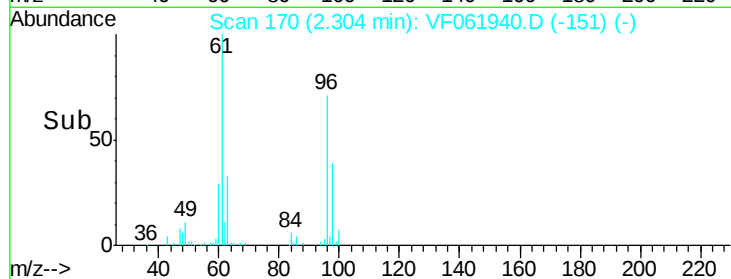
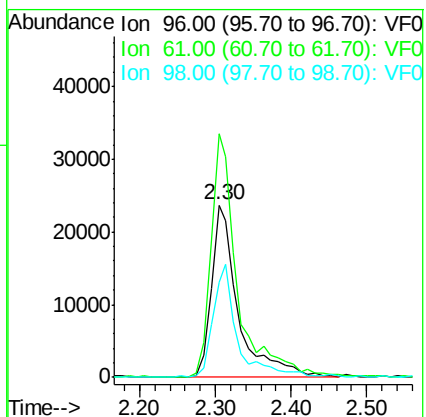
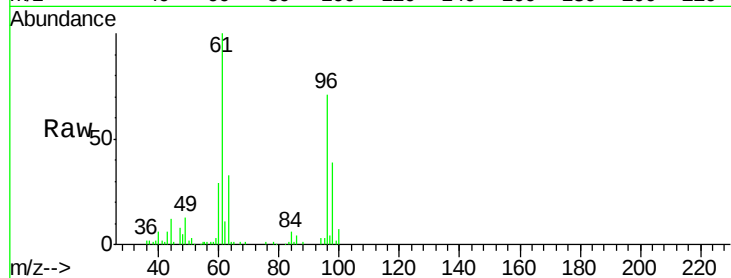
Tot Ion: 96 Resp: 59352

Ion Ratio Lower Upper

96 100

61 141.2 101.0 151.6

98 55.3 48.8 73.2



#22

Diisopropyl ether

Concen: 24.366 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion: 45 Resp: 167813

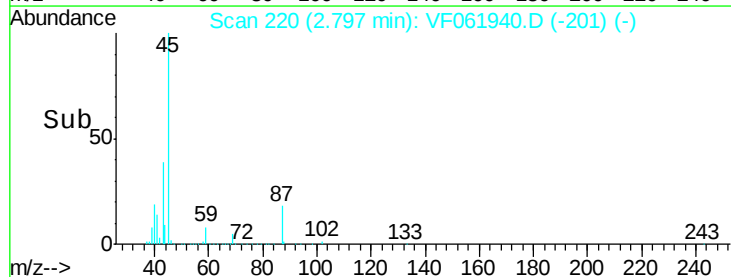
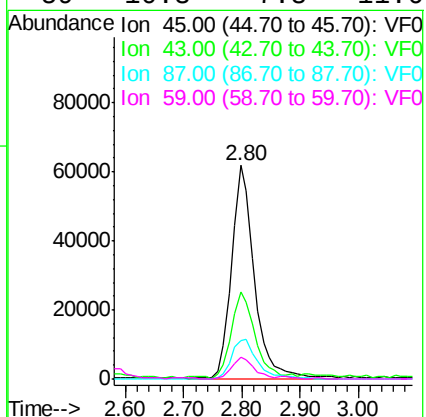
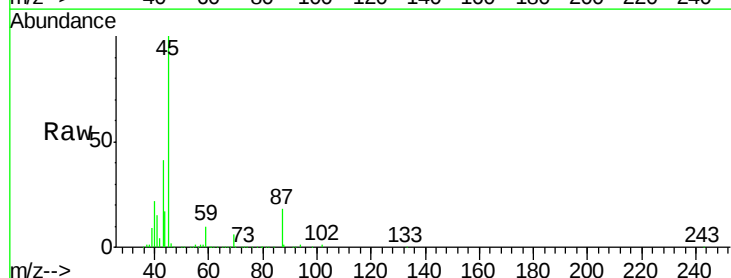
Ion Ratio Lower Upper

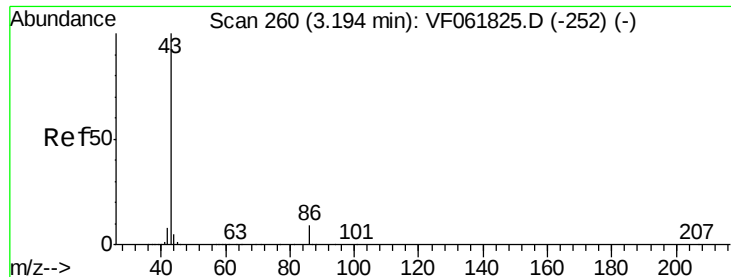
45 100

43 40.9 31.8 47.8

87 17.9 17.1 25.7

59 10.3 7.8 11.6





#23

Vinyl Acetate

Concen: 120.604 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

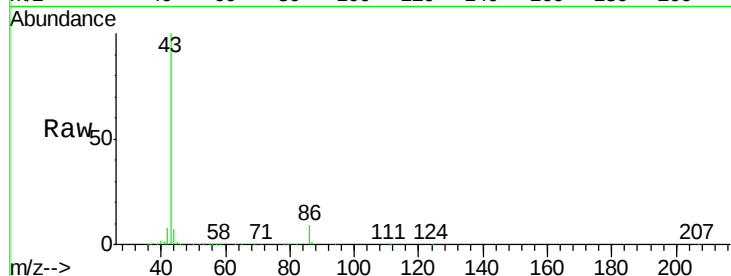
VF0314SBS01

Tot Ion: 43 Resp: 371072

Ion Ratio Lower Upper

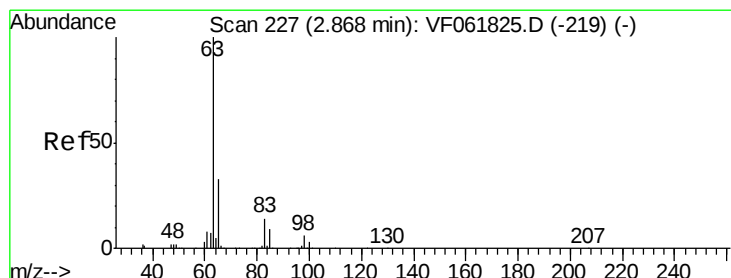
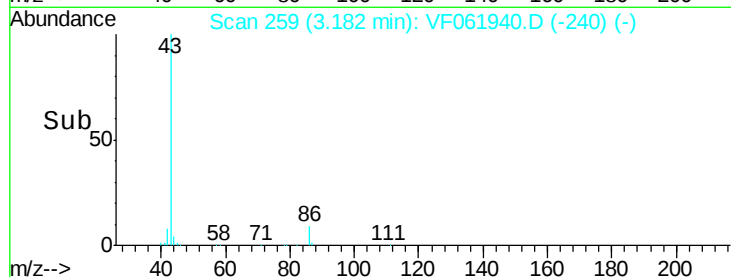
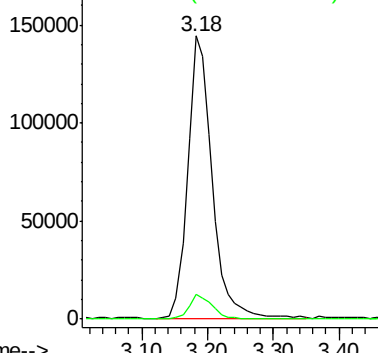
43 100

86 8.6 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.292 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

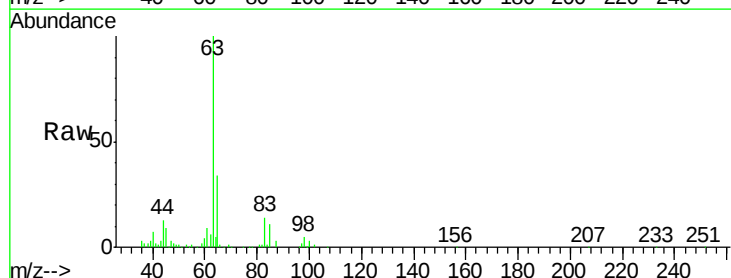
Tgt Ion: 63 Resp: 99998

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

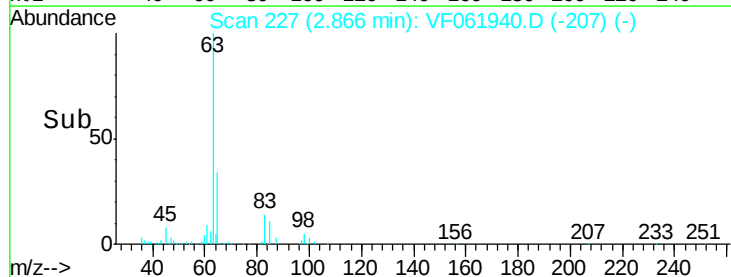
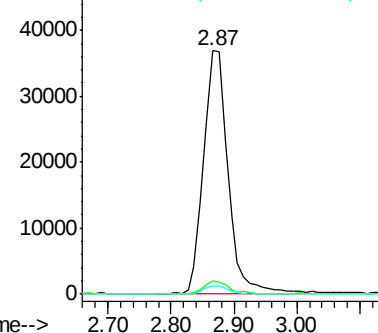
100 3.1 1.8 5.3

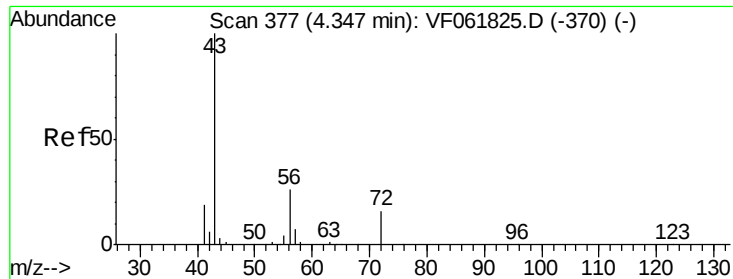


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 125.356 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

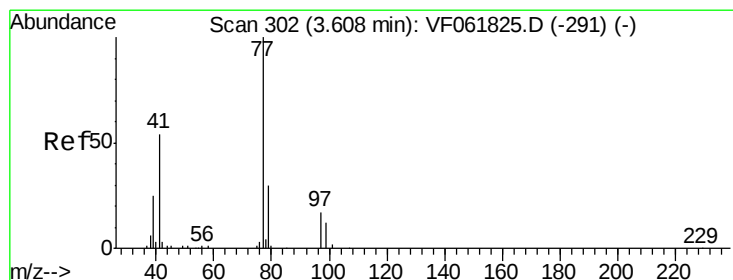
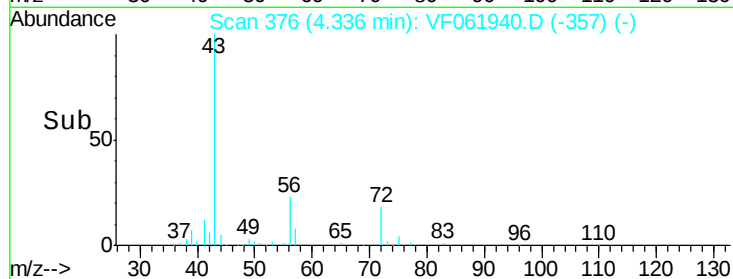
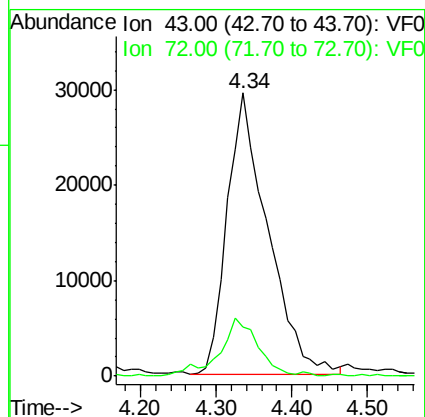
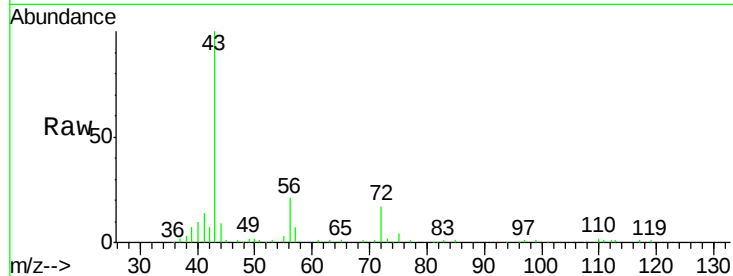
VF0314SBSD01

Tot Ion: 43 Resp: 109305

Ion Ratio Lower Upper

43 100

72 17.4 16.2 24.4



#26

2,2-Dichloropropane

Concen: 25.258 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF061940.D

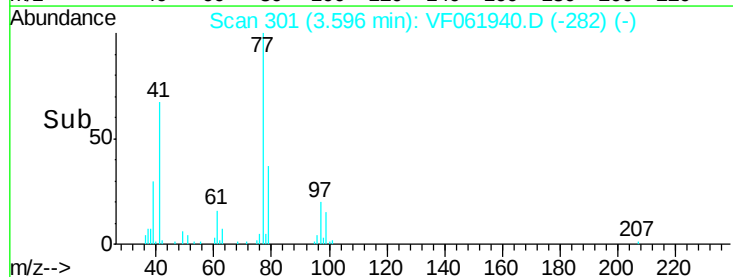
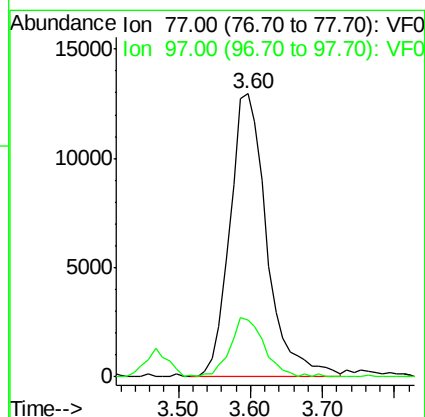
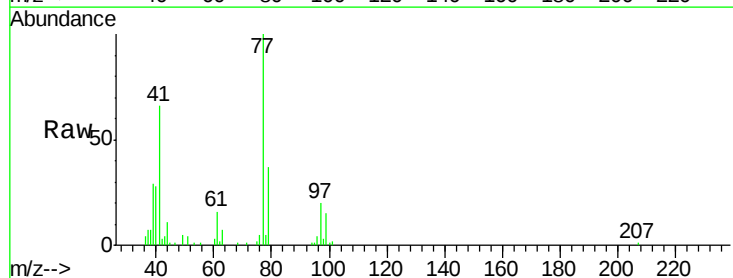
Acq: 14 Mar 2019 15:57

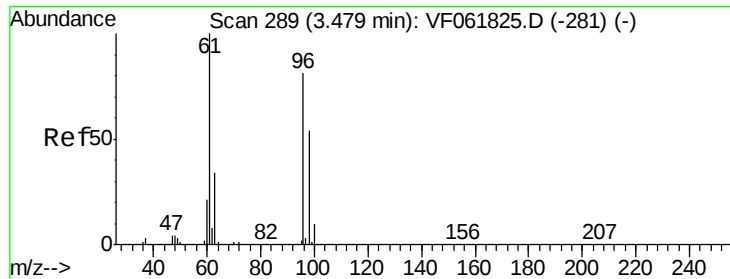
Tgt Ion: 77 Resp: 46417

Ion Ratio Lower Upper

77 100

97 20.0 10.4 31.4



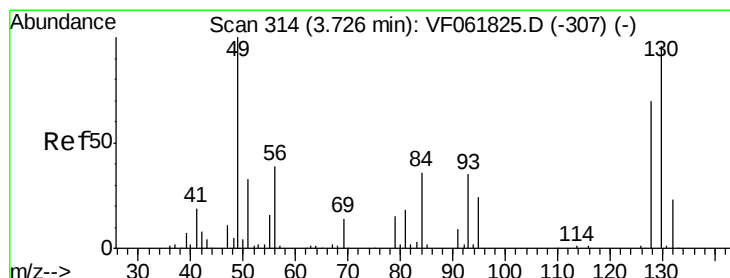
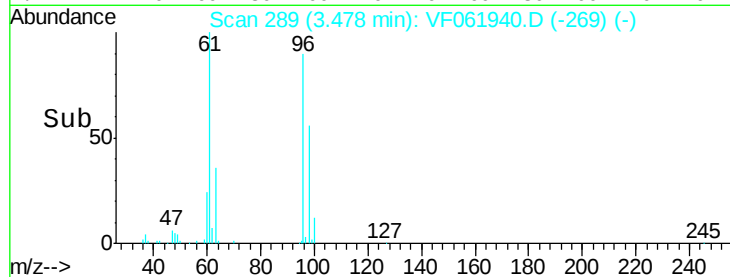
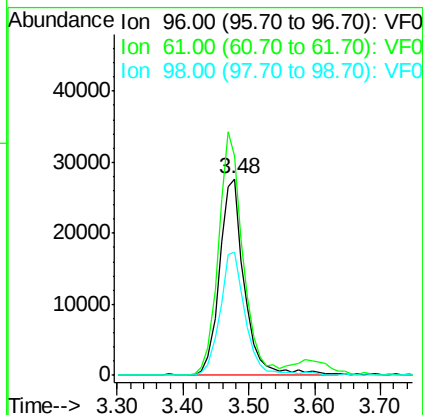
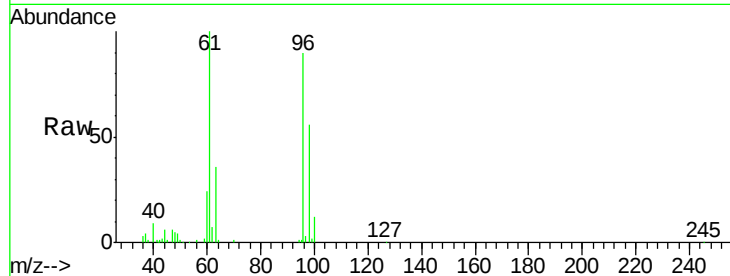


#27

cis-1,2-Dichloroethene
Concen: 23.277 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.00 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

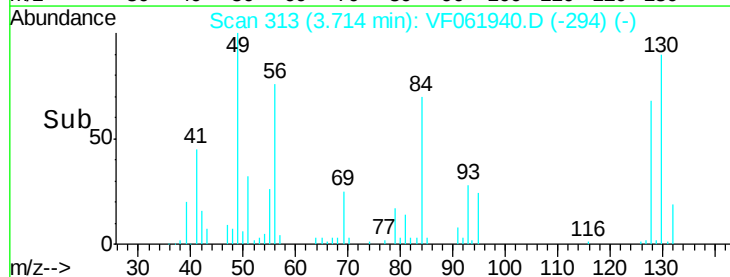
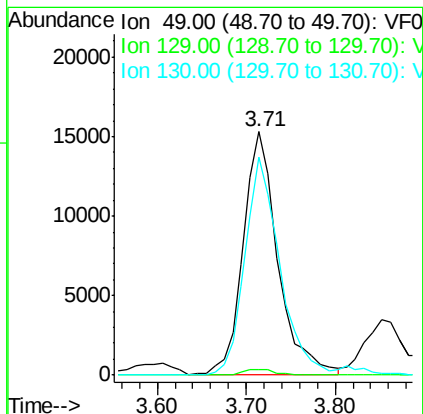
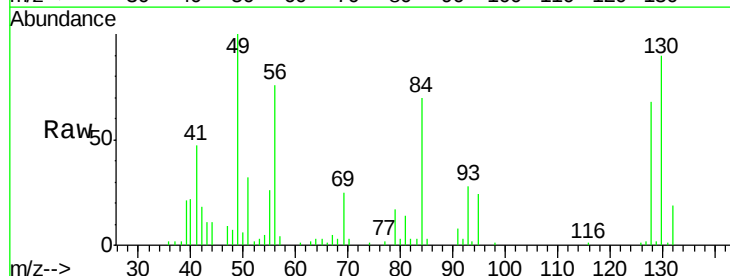
Tot Ion: 96 Resp: 72944
Ion Ratio Lower Upper
96 100
61 111.3 0.0 245.8
98 62.9 0.0 132.6

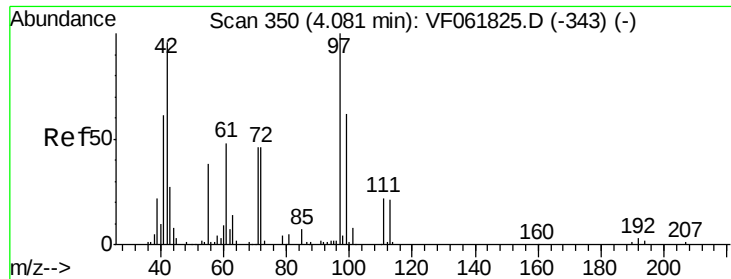


#28

Bromochloromethane
Concen: 23.049 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion: 49 Resp: 41360
Ion Ratio Lower Upper
49 100
129 2.1 0.0 0.0#
130 89.7 76.9 115.3





#29

Tetrahydrofuran

Concen: 120.016 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBSD01

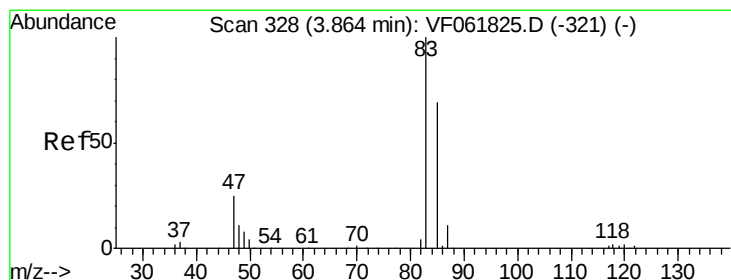
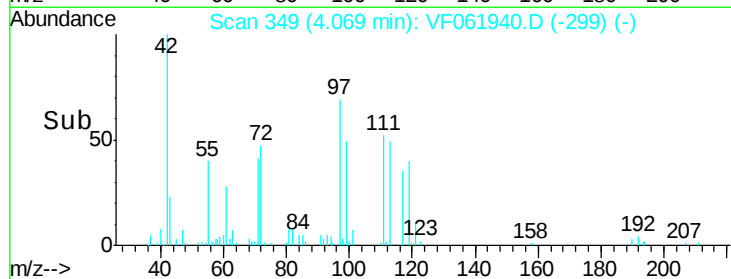
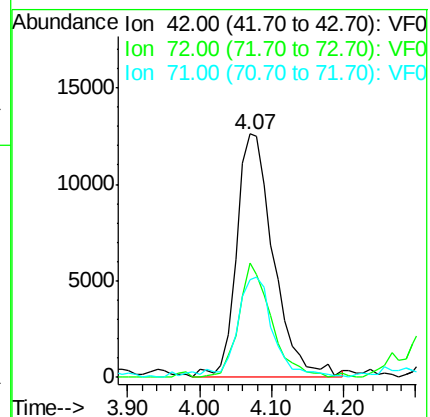
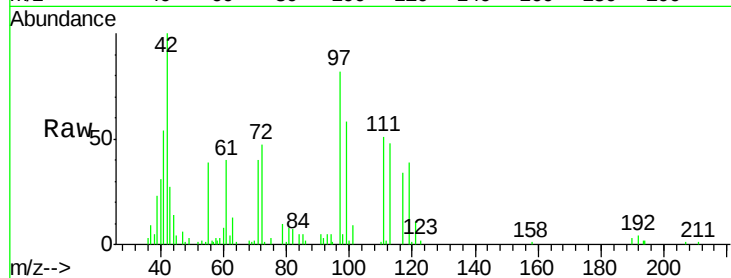
Tot Ion: 42 Resp: 45132

Ion Ratio Lower Upper

42 100

72 41.4 34.4 51.6

71 41.4 34.6 52.0



#30

Chloroform

Concen: 23.491 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF061940.D

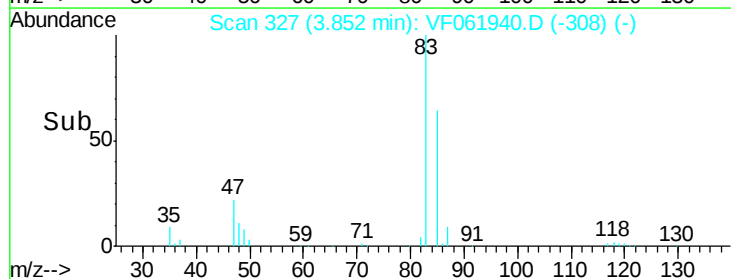
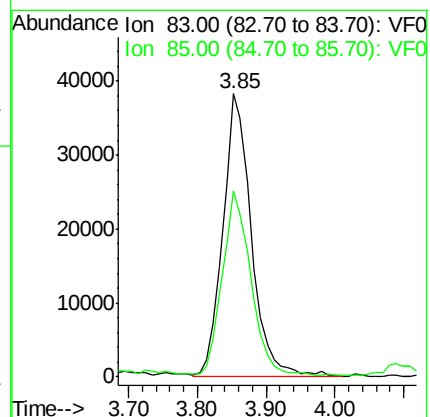
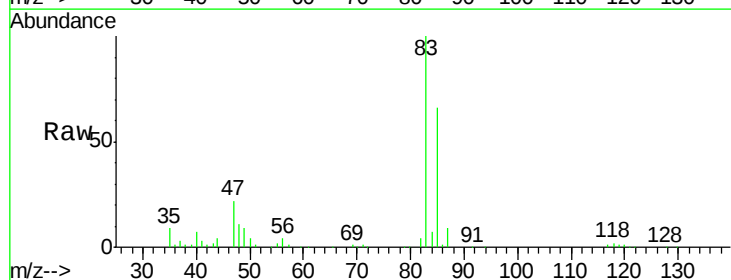
Acq: 14 Mar 2019 15:57

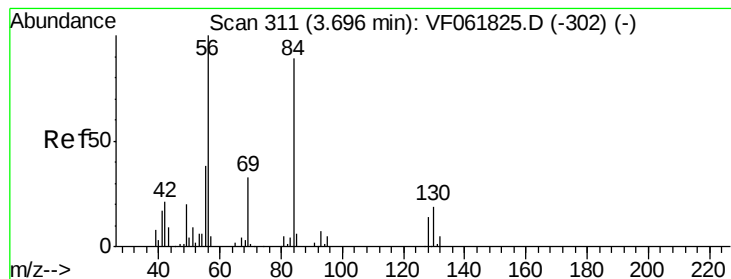
Tgt Ion: 83 Resp: 110454

Ion Ratio Lower Upper

83 100

85 65.9 55.3 82.9





#31

Cyclohexane

Concen: 14.829 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

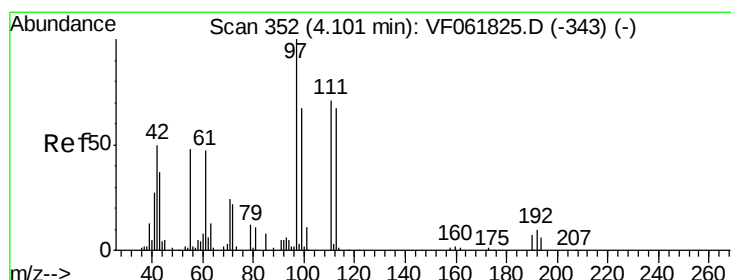
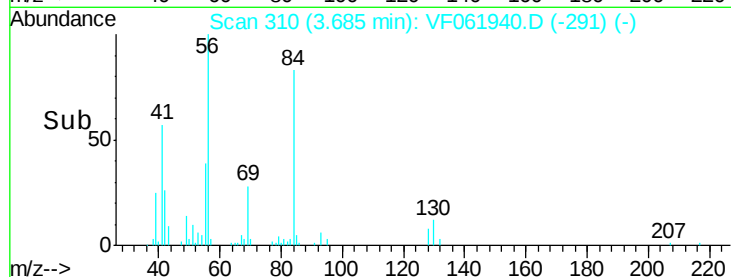
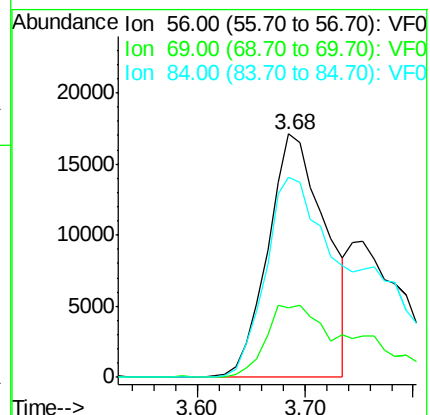
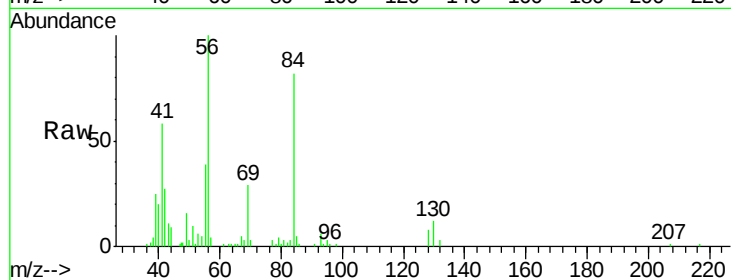
Tot Ion: 56 Resp: 63937

Ion Ratio Lower Upper

56 100

69 28.8 26.0 39.0

84 82.2 71.0 106.6



#32

1,1,1-Trichloroethane

Concen: 25.407 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

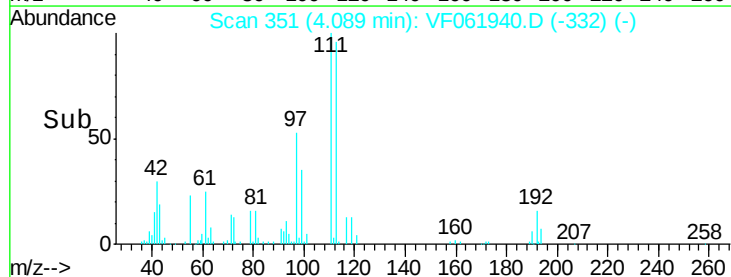
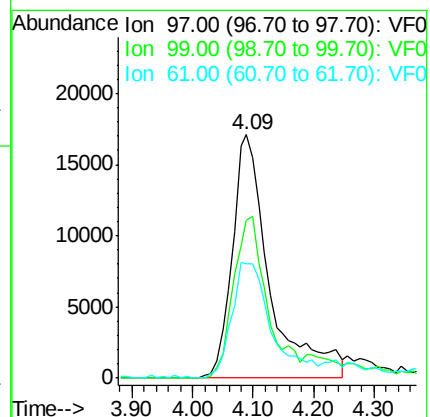
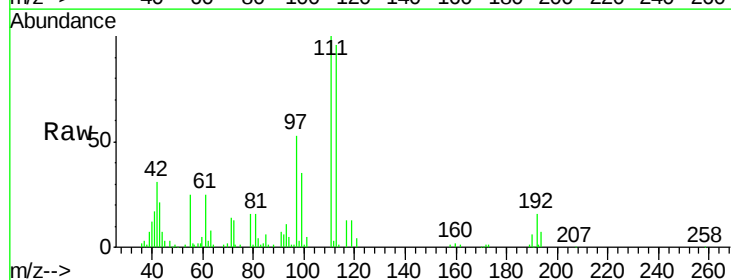
Tgt Ion: 97 Resp: 73637

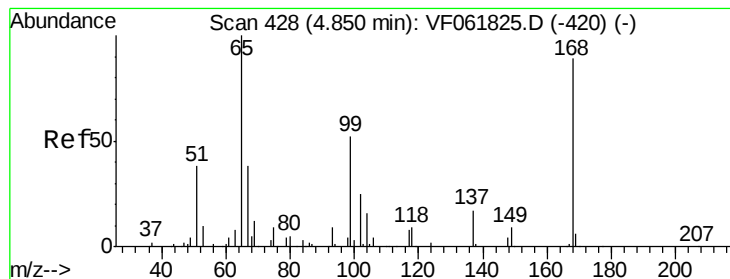
Ion Ratio Lower Upper

97 100

99 64.9 53.8 80.8

61 47.1 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 54.720 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

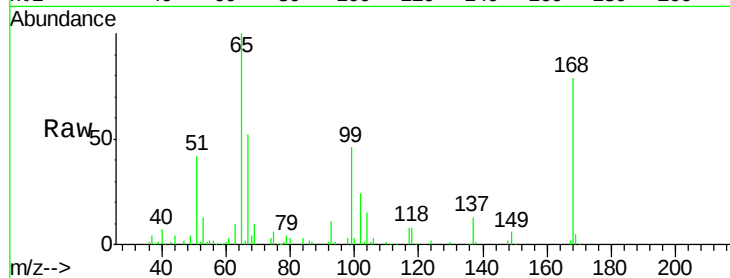
VF0314SBSD01

Tot Ion: 65 Resp: 111982

Ion Ratio Lower Upper

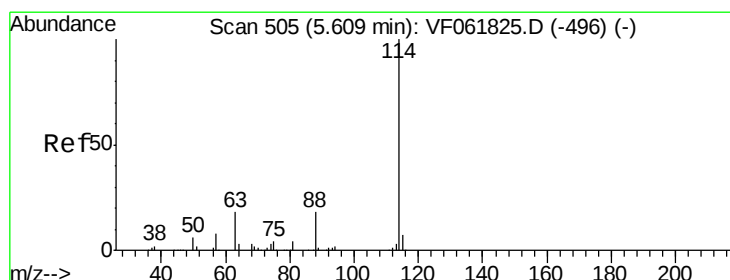
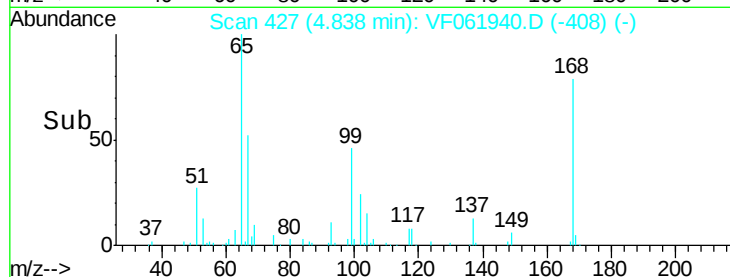
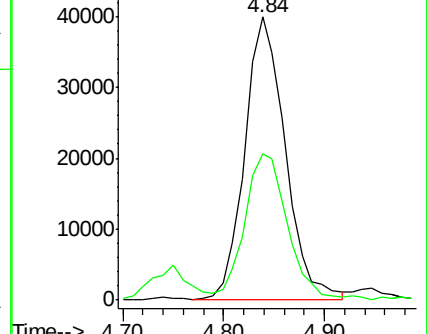
65 100

67 51.6 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

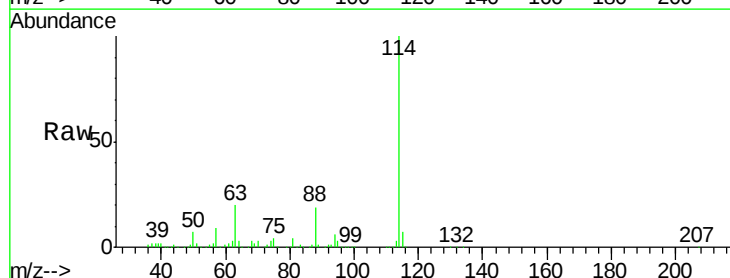
Tgt Ion: 114 Resp: 442220

Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.6

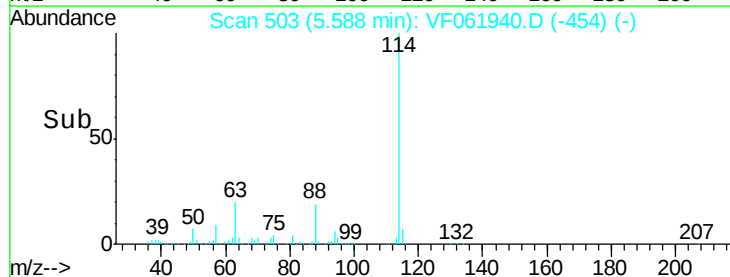
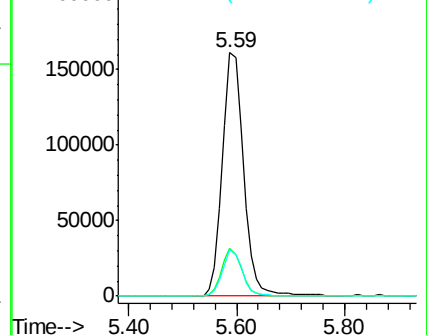
88 19.0 0.0 35.6

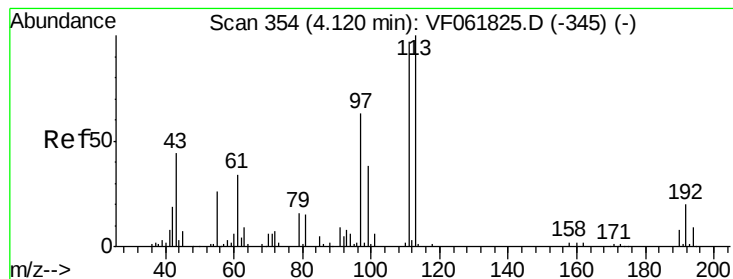


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 52.470 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

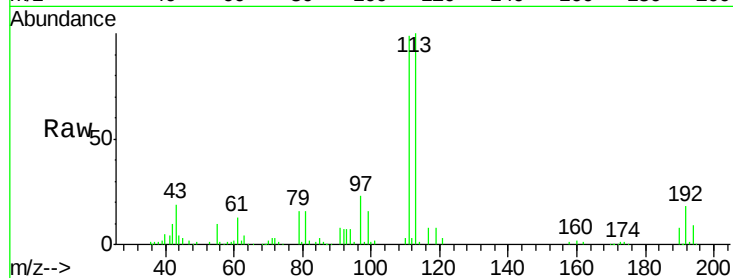
Tot Ion:113 Resp: 161929

Ion Ratio Lower Upper

113 100

111 99.1 77.6 116.4

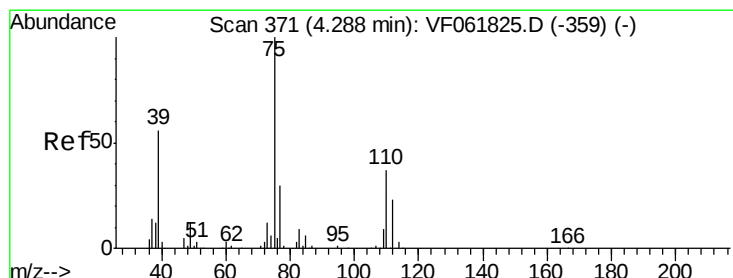
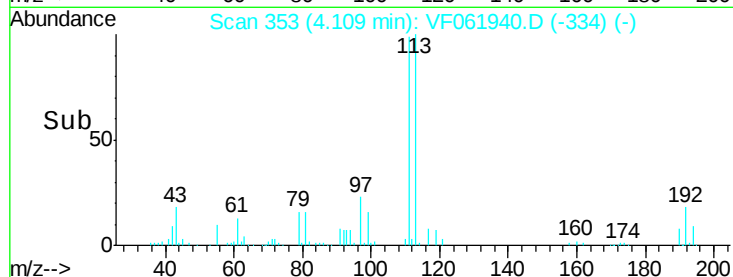
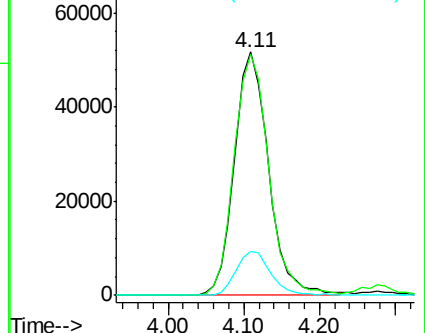
192 18.0 15.9 23.9



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: 22.039 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

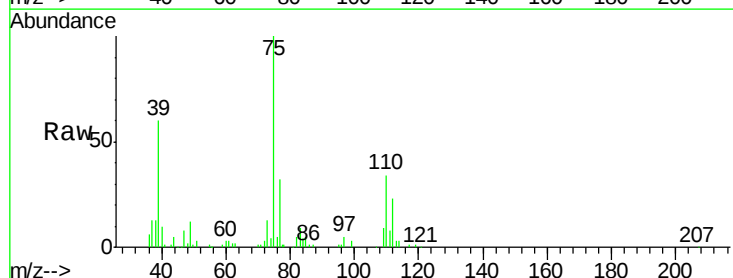
Tgt Ion: 75 Resp: 92064

Ion Ratio Lower Upper

75 100

110 34.4 18.6 55.6

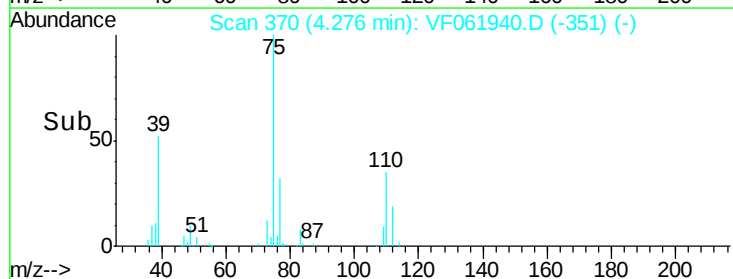
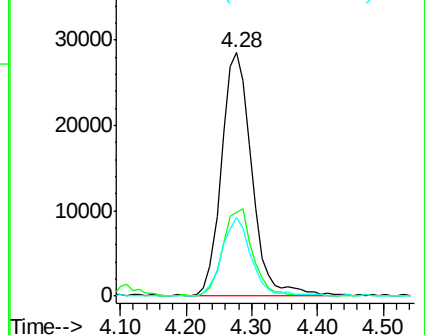
77 32.2 24.2 36.2

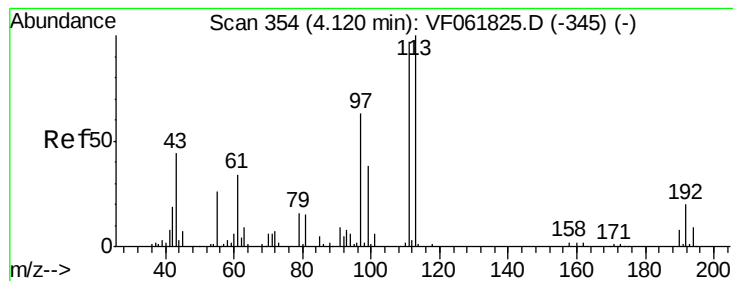


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.806 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

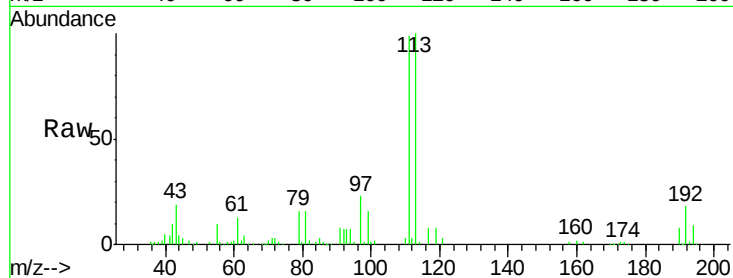
Tot Ion: 43 Resp: 36480

Ion Ratio Lower Upper

43 100

61 71.3 60.7 91.1

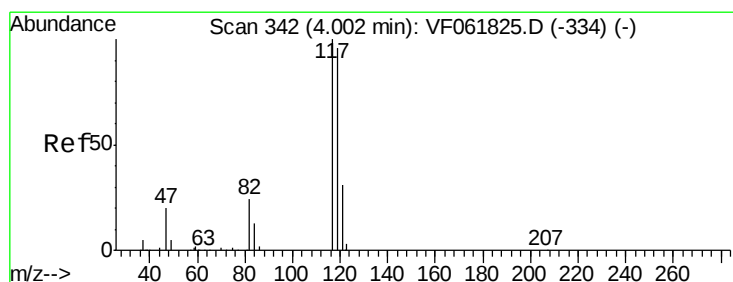
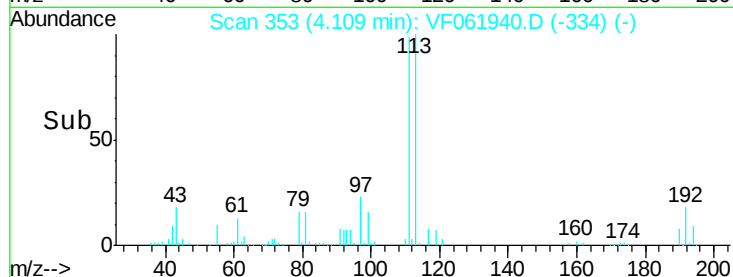
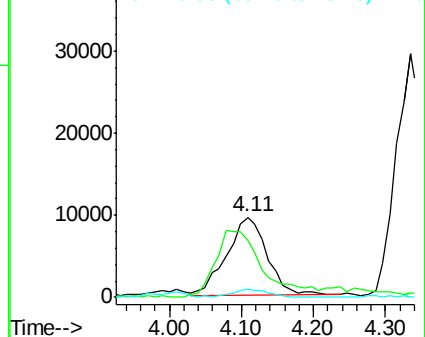
70 9.7 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 23.170 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

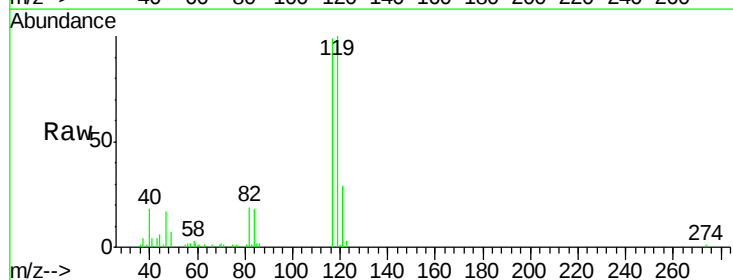
Tgt Ion: 117 Resp: 68516

Ion Ratio Lower Upper

117 100

119 101.1 76.6 114.8

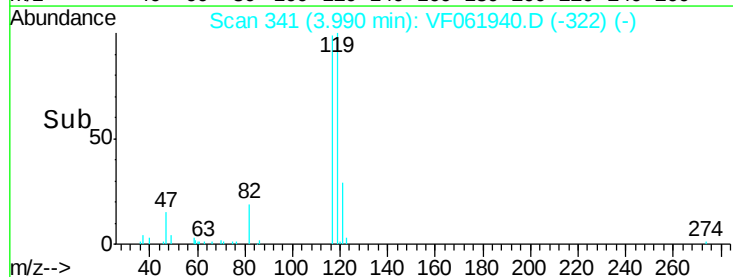
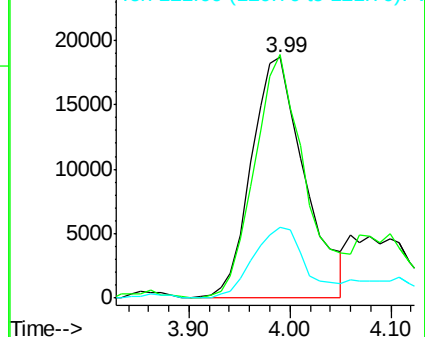
121 29.5 24.4 36.6

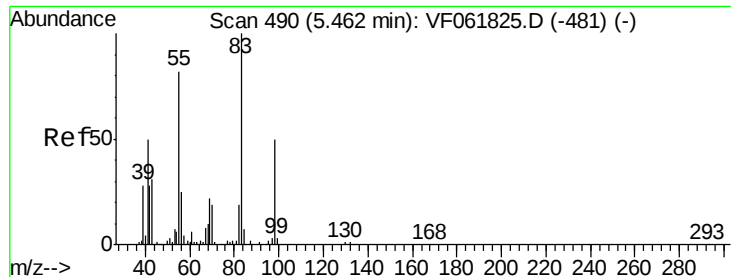


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methvlcvclohexane

Concen: 21.539 ug/l

RT: 5.45 min Scan# 489

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

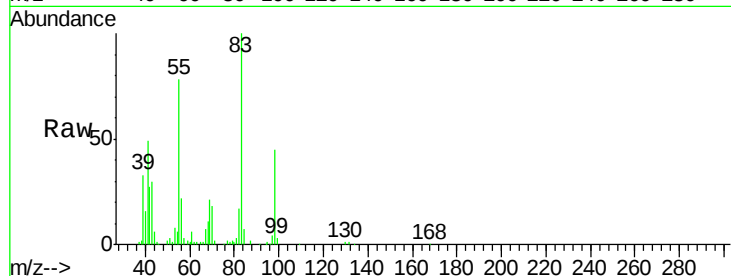
Tot Ion: 83 Resp: 106275

Ion Ratio Lower Upper

83 100

55 77.7 66.0 99.0

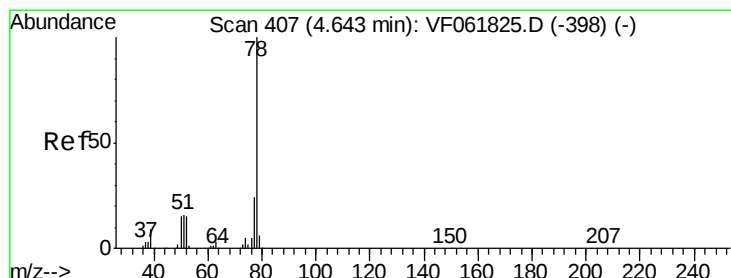
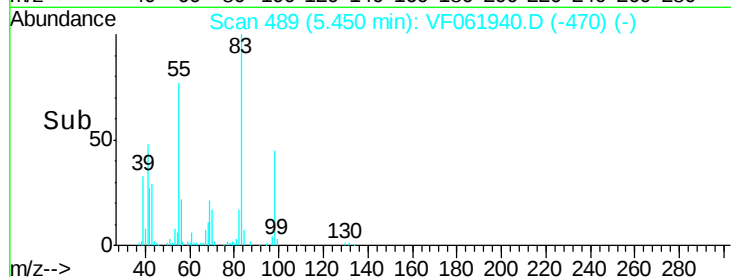
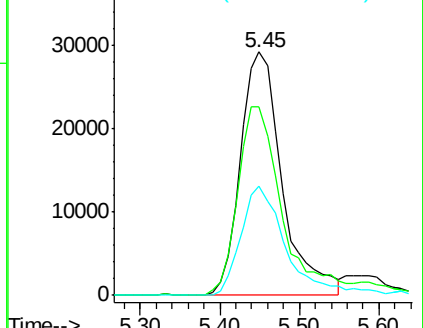
98 45.1 39.8 59.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 21.662 ug/l

RT: 4.63 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF061940.D

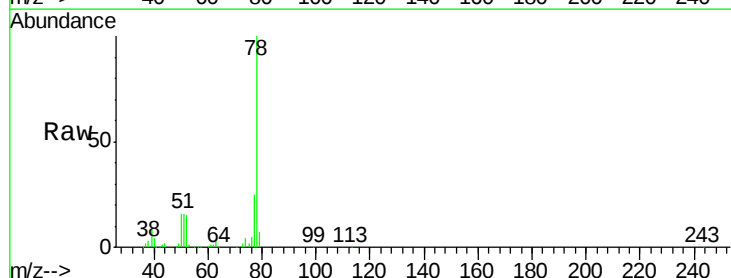
Acq: 14 Mar 2019 15:57

Tgt Ion: 78 Resp: 236523

Ion Ratio Lower Upper

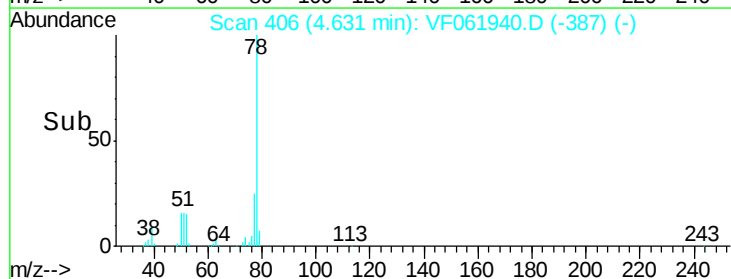
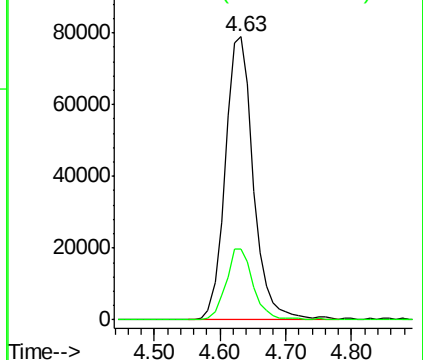
78 100

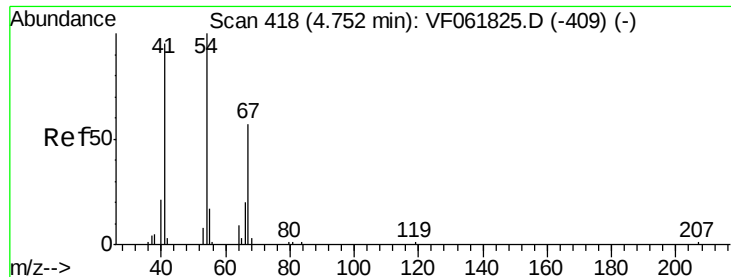
77 25.0 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

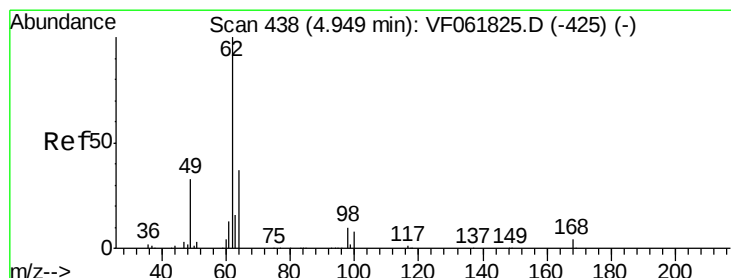
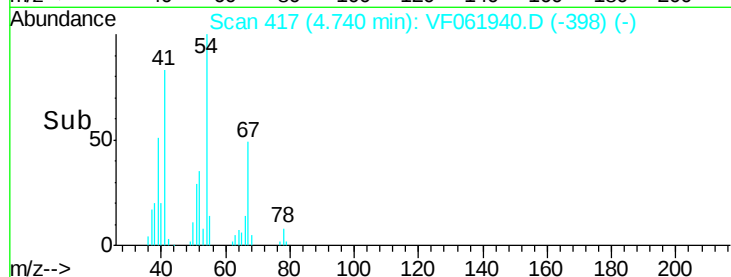
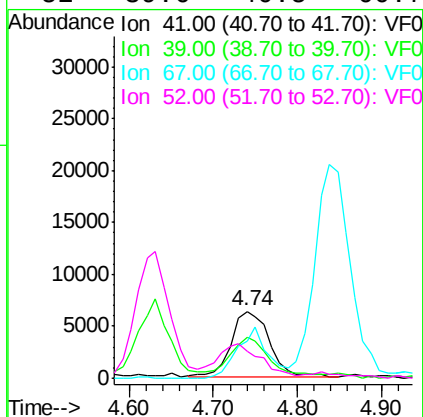
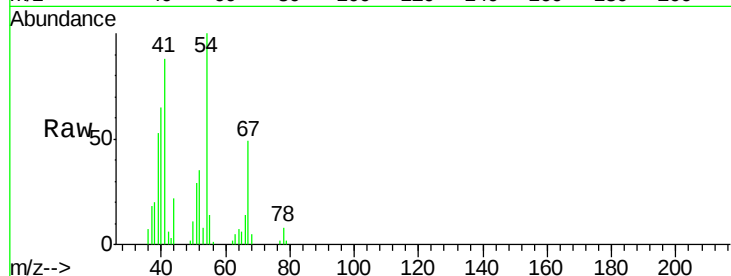




#41
Methacrylonitrile
Concen: 20.808 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

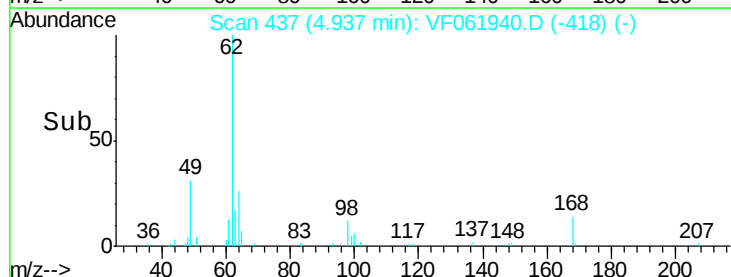
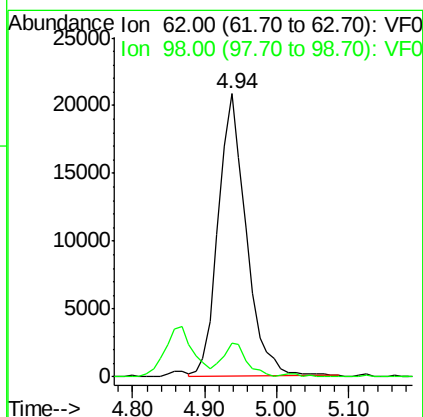
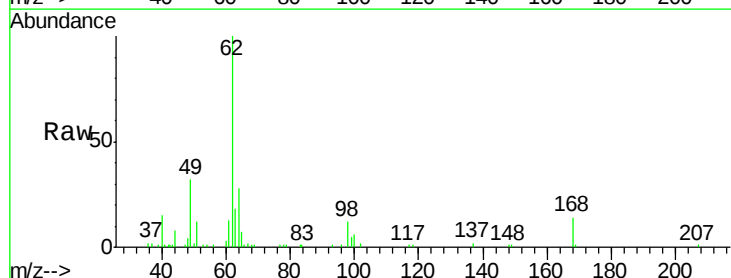
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

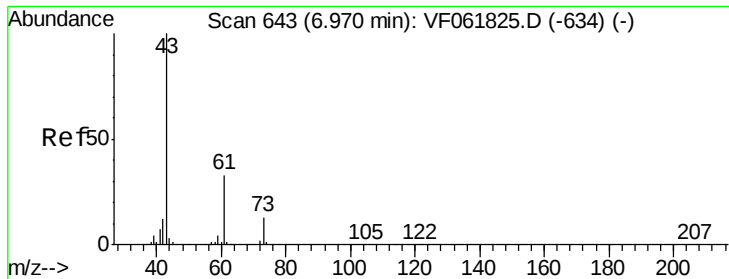
Tot Ion:	41	Resp:	19989
Ion	Ratio	Lower	Upper
41	100		
39	60.8	43.0	64.6
67	55.5	47.8	71.8
52	39.6	40.5	60.7#



#42
1,2-Dichloroethane
Concen: 20.488 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion:	62	Resp:	55749
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.0



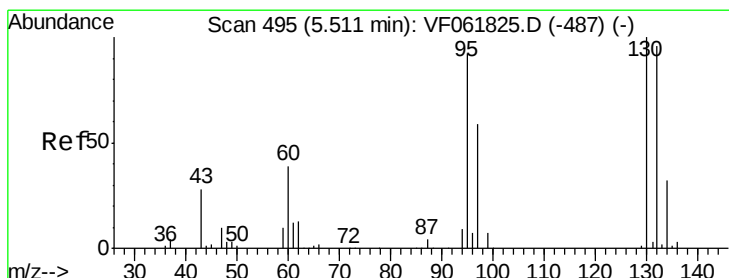
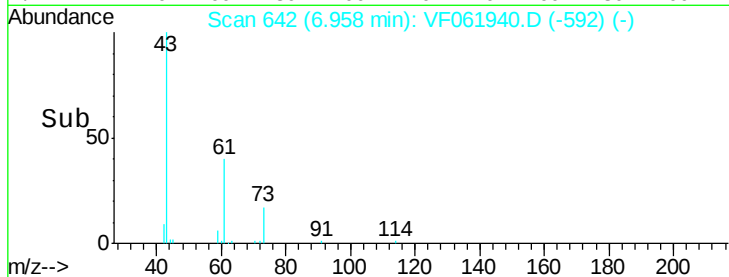
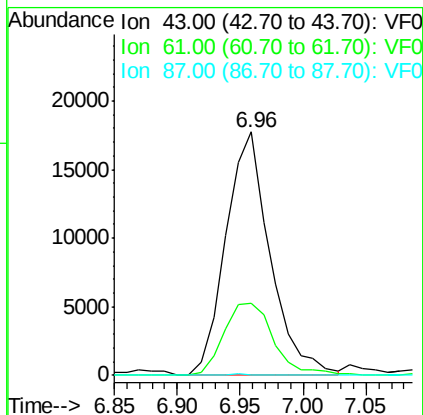
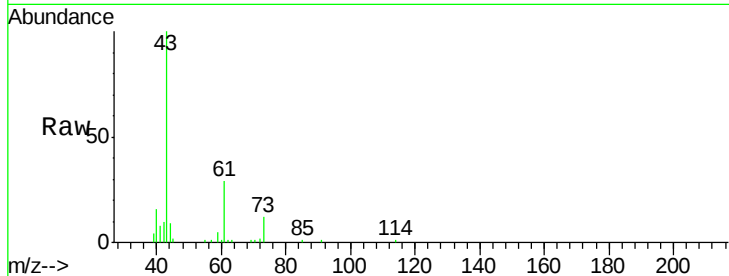


#43

Isopropyl Acetate
 Concen: 19.985 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBS01

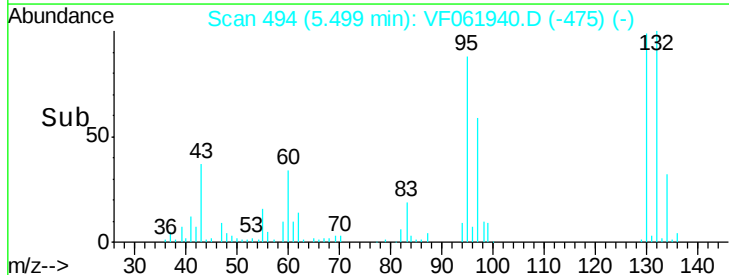
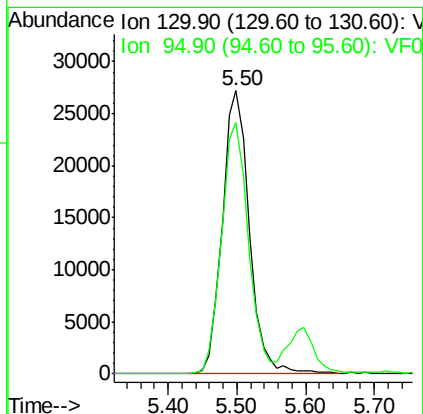
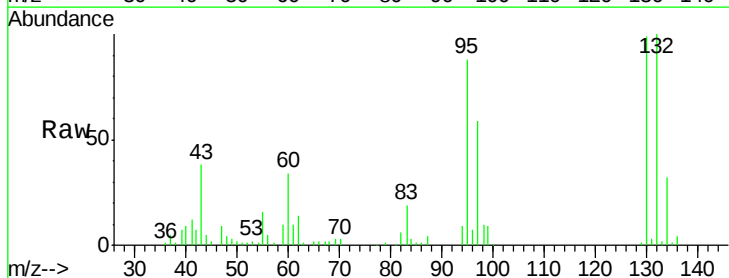
Tot Ion: 43 Resp: 43193
 Ion Ratio Lower Upper
 43 100
 61 29.4 26.1 39.1
 87 0.0 0.0 0.0

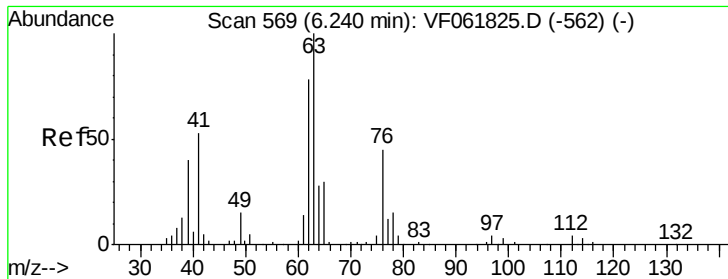


#44

Trichloroethene
 Concen: 21.781 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Tgt Ion:130 Resp: 73909
 Ion Ratio Lower Upper
 130 100
 95 88.8 0.0 184.0





#45

1,2-Dichloropropane

Concen: 21.371 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

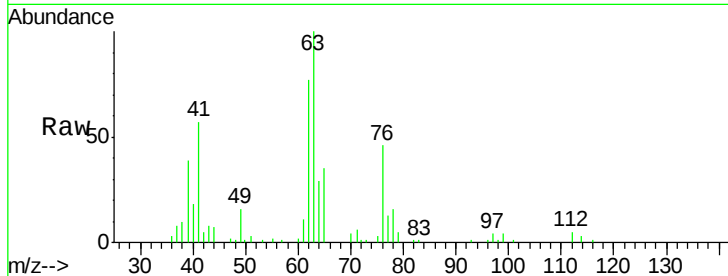
VF0314SBSD01

Tot Ion: 63 Resp: 55489

Ion Ratio Lower Upper

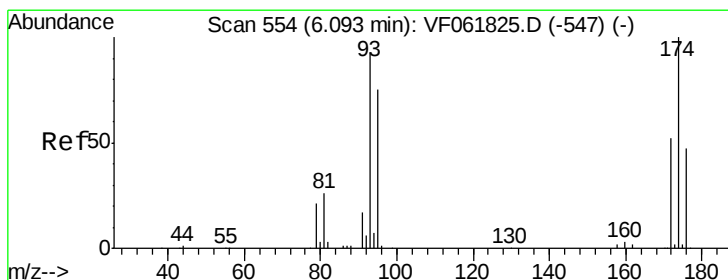
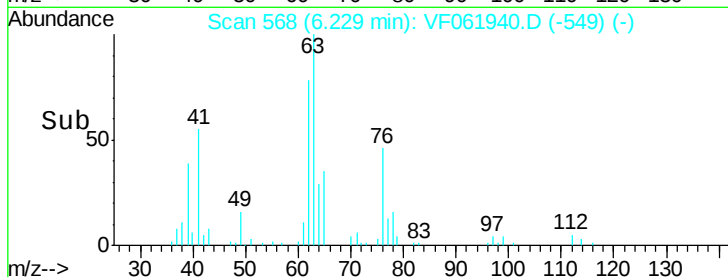
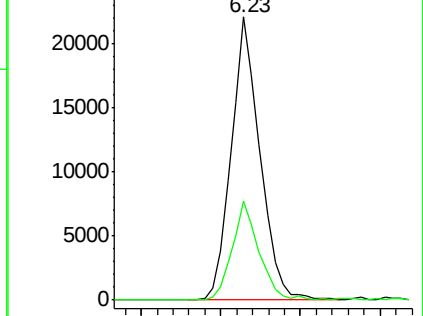
63 100

65 35.0 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.674 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

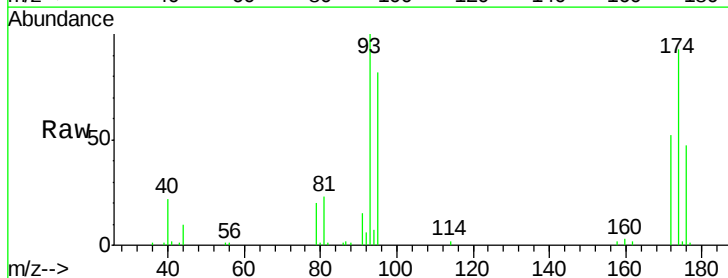
Tgt Ion: 93 Resp: 33784

Ion Ratio Lower Upper

93 100

95 82.0 64.4 96.6

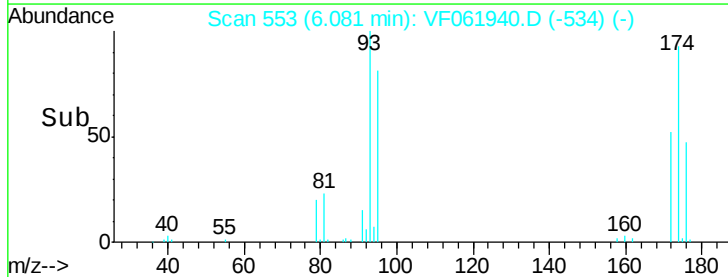
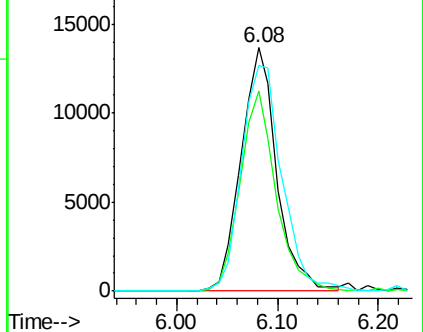
174 92.5 85.8 128.6

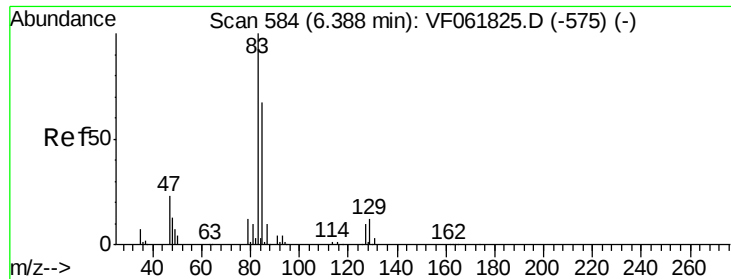


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.020 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

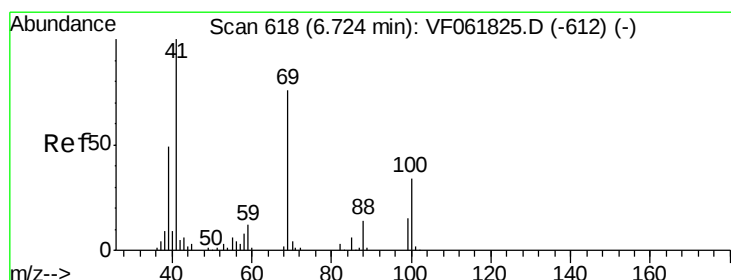
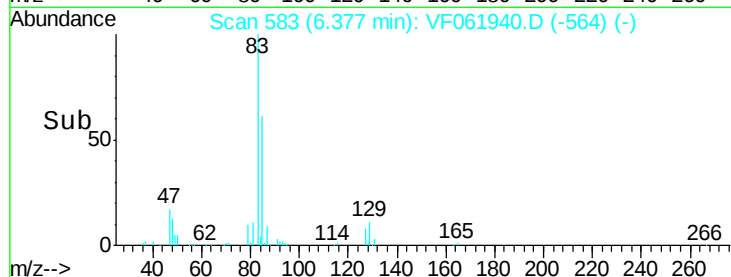
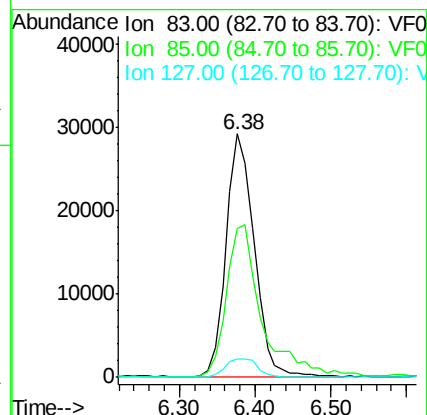
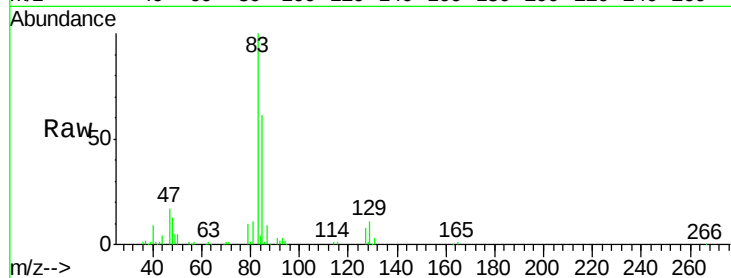
Tot Ion: 83 Resp: 75885

Ion Ratio Lower Upper

83 100

85 61.1 53.6 80.4

127 7.7 8.1 12.1#



#48

Methyl methacrylate

Concen: 20.390 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

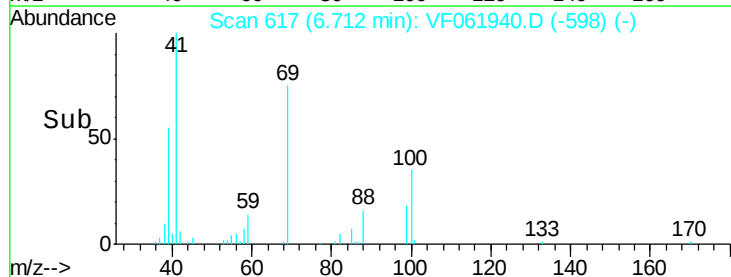
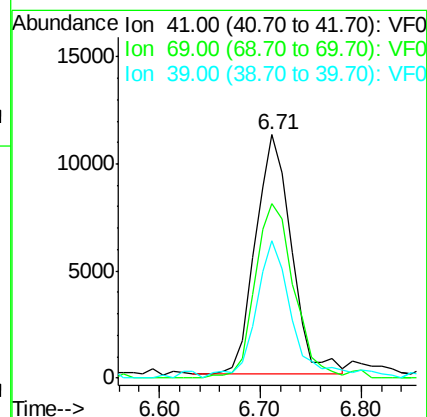
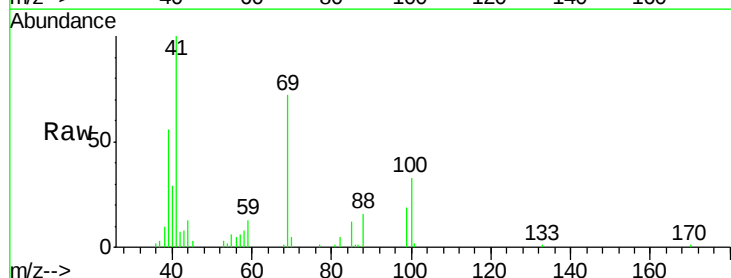
Tgt Ion: 41 Resp: 27890

Ion Ratio Lower Upper

41 100

69 71.6 60.4 90.6

39 56.4 39.7 59.5

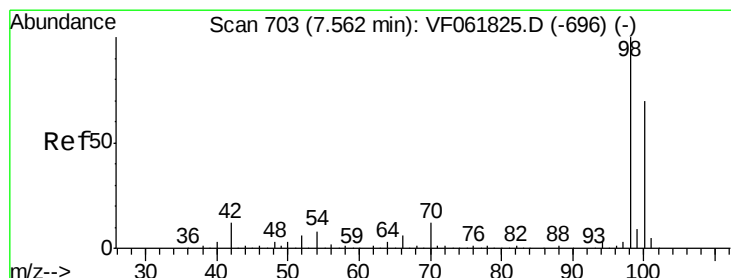
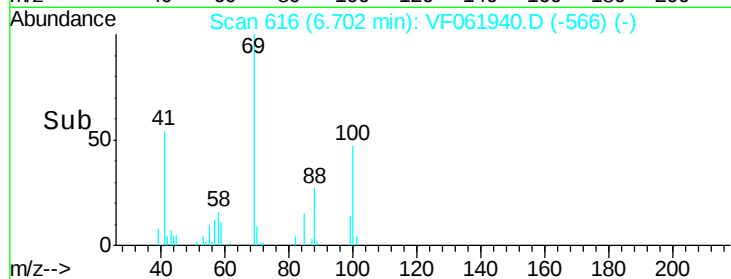
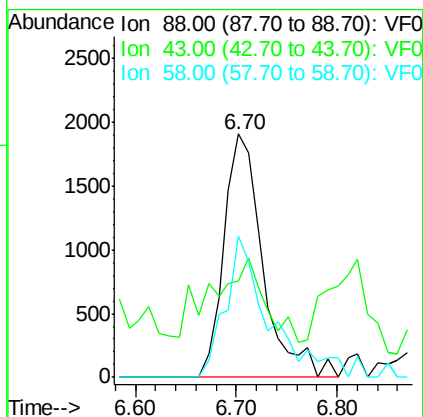
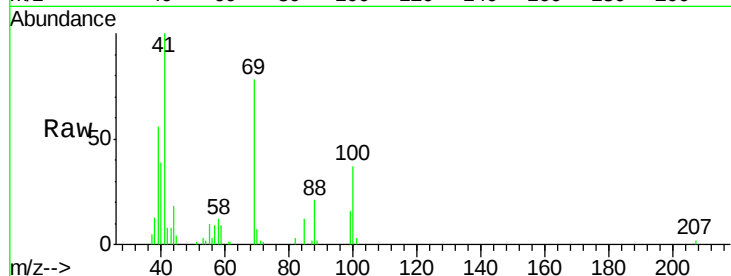




#49
1,4-Dioxane
Concen: 410.752 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

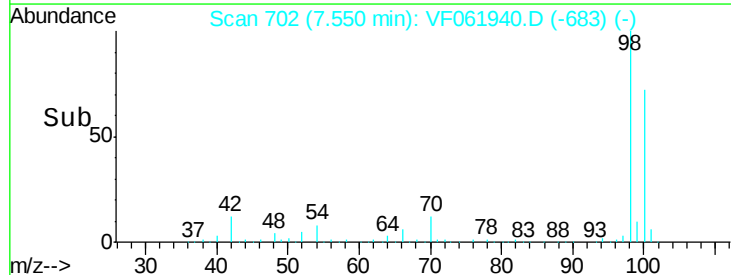
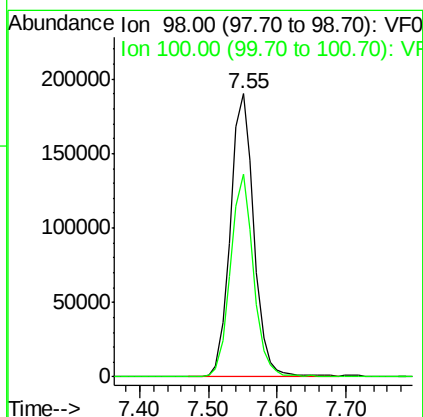
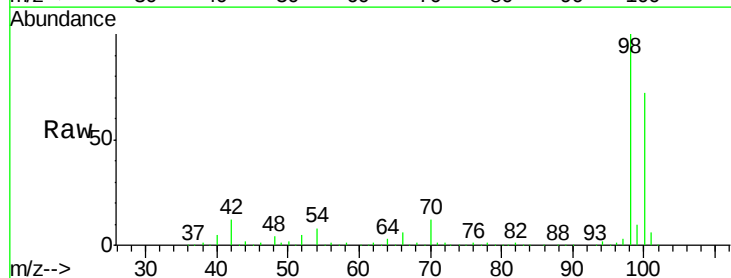
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

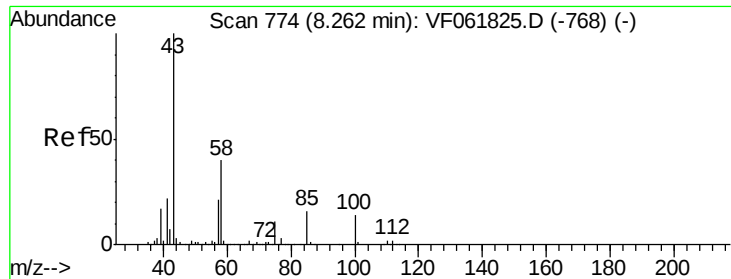
Tot Ion: 88 Resp: 5136
Ion Ratio Lower Upper
88 100
43 39.6 28.4 42.6
58 58.2 50.7 76.1



#50
Toluene-d8
Concen: 49.096 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion: 98 Resp: 450347
Ion Ratio Lower Upper
98 100
100 71.8 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 106.779 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

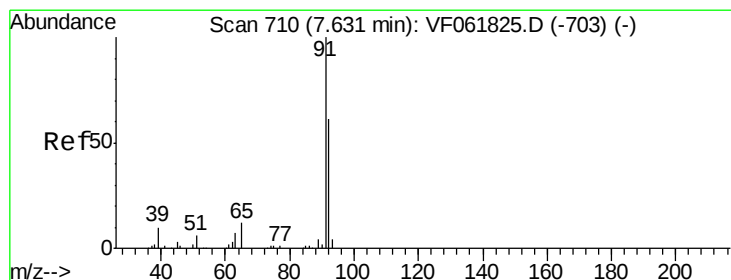
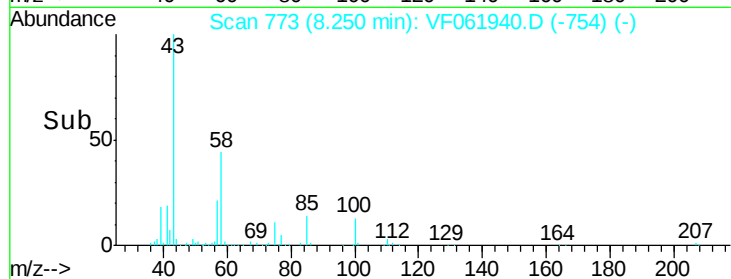
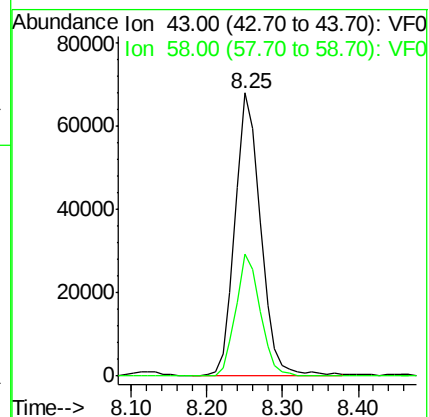
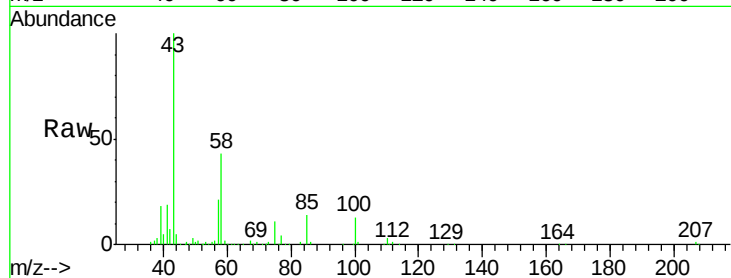
VF0314SBS01

Tot Ion: 43 Resp: 159500

Ion Ratio Lower Upper

43 100

58 43.4 31.8 47.8



#52

Toluene

Concen: 21.051 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061940.D

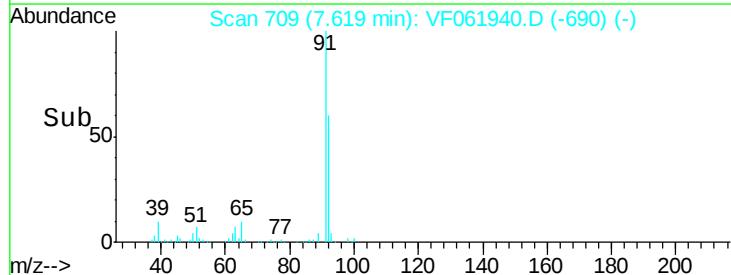
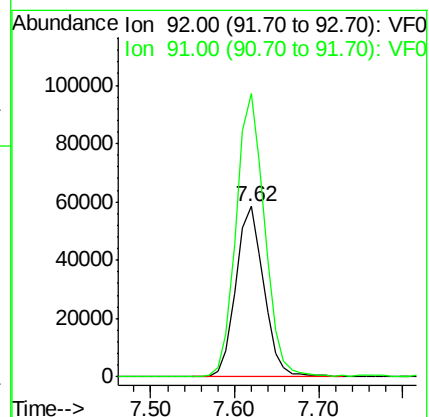
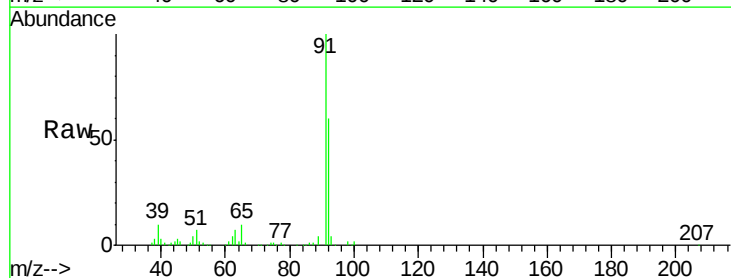
Acq: 14 Mar 2019 15:57

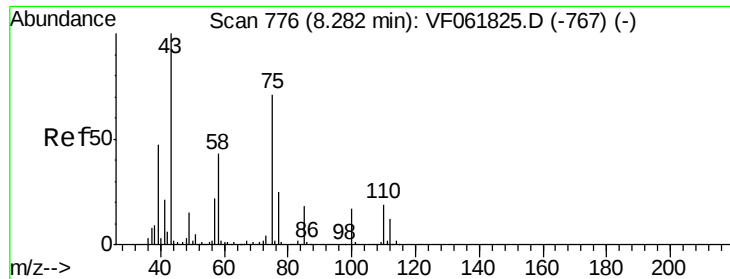
Tgt Ion: 92 Resp: 135976

Ion Ratio Lower Upper

92 100

91 166.0 132.0 198.0





#53

t-1,3-Dichloropropene

Concen: 20.774 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

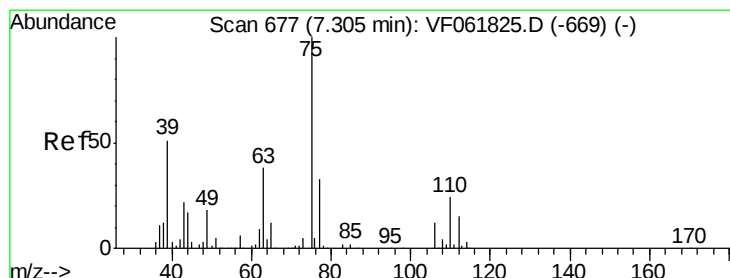
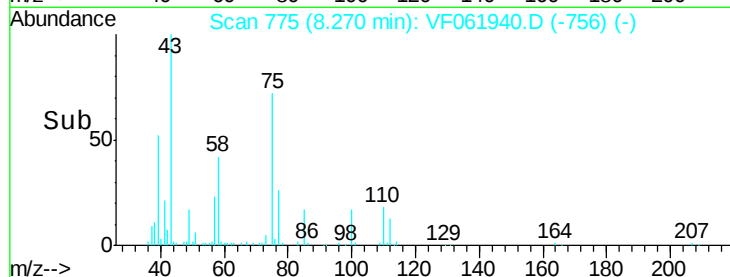
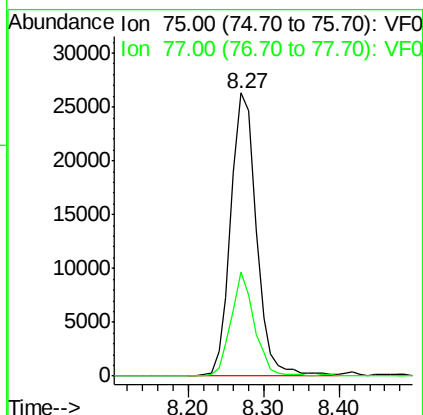
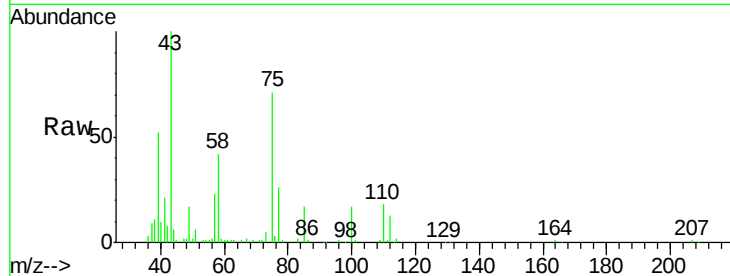
VF0314SBS01

Tot Ion: 75 Resp: 61907

Ion Ratio Lower Upper

75 100

77 36.9 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 21.284 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

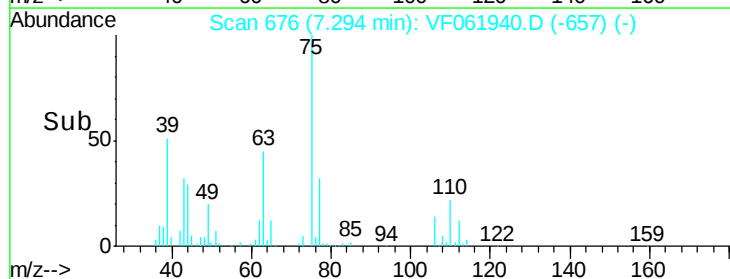
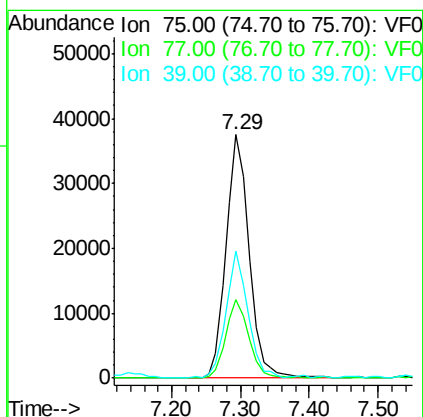
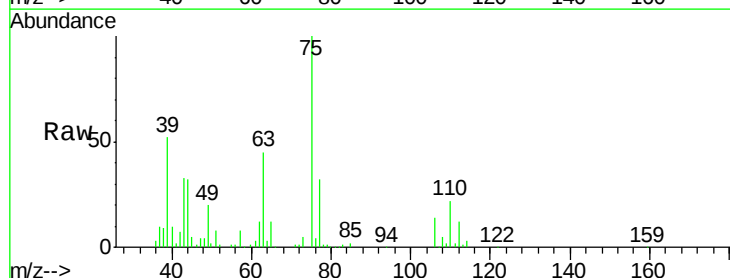
Tgt Ion: 75 Resp: 87483

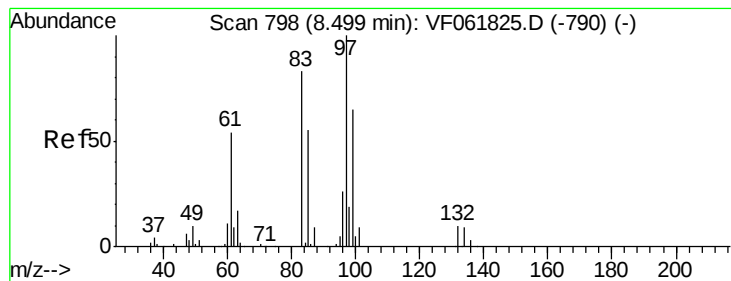
Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

39 52.3 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 21.317 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

Tot Ion: 97 Resp: 39674

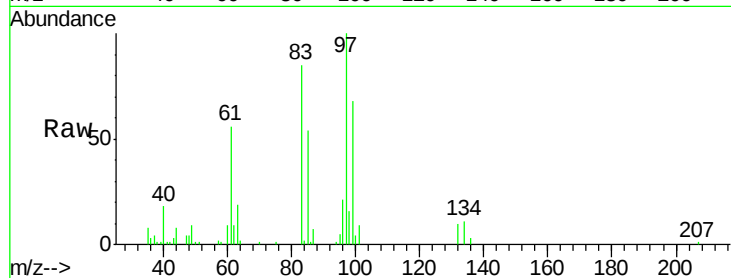
Ion Ratio Lower Upper

97 100

83 84.8 66.5 99.7

85 54.3 44.2 66.2

99 67.9 51.8 77.6

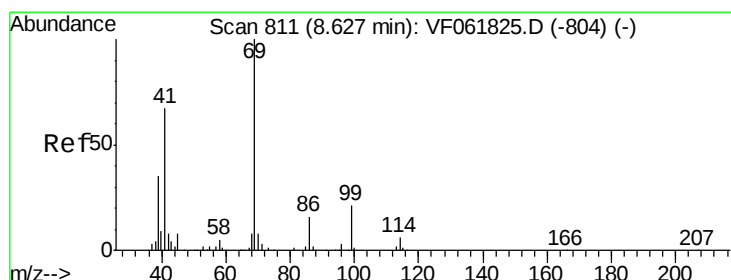
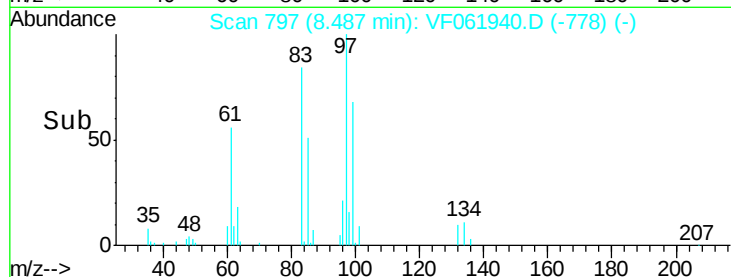
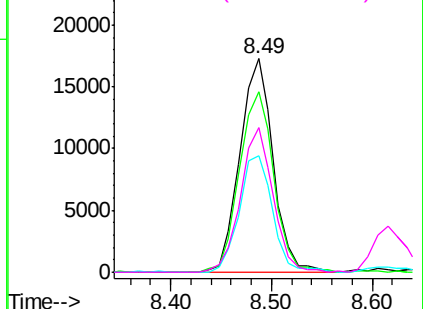


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.686 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

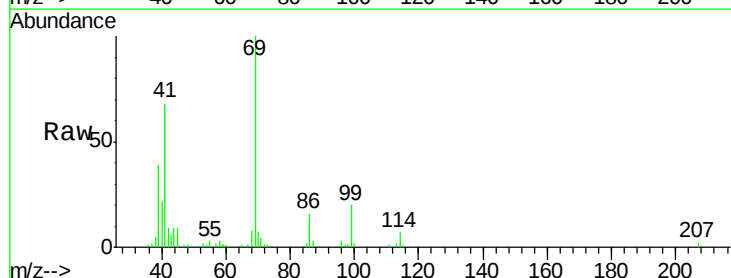
Tgt Ion: 69 Resp: 43387

Ion Ratio Lower Upper

69 100

41 68.2 53.9 80.9

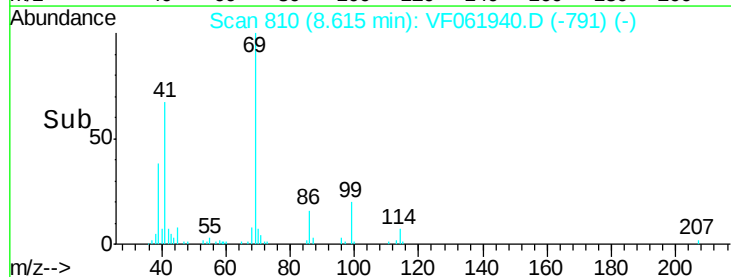
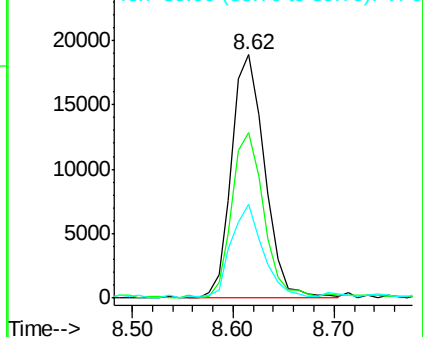
39 38.6 28.3 42.5

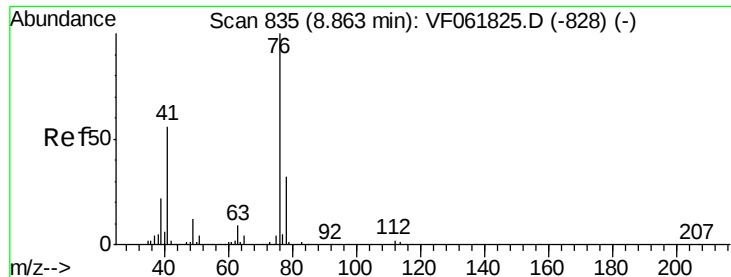


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.314 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

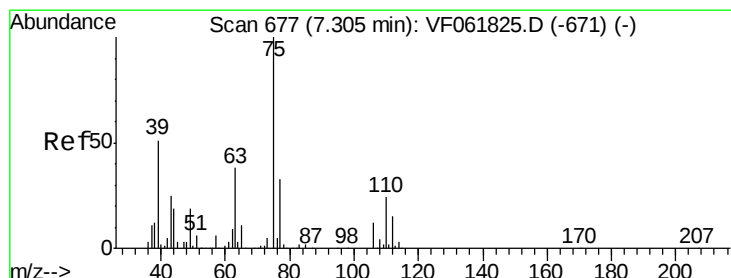
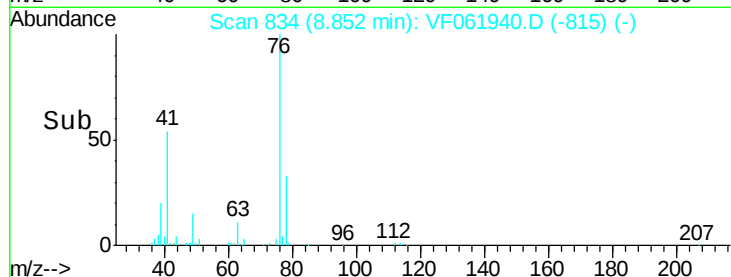
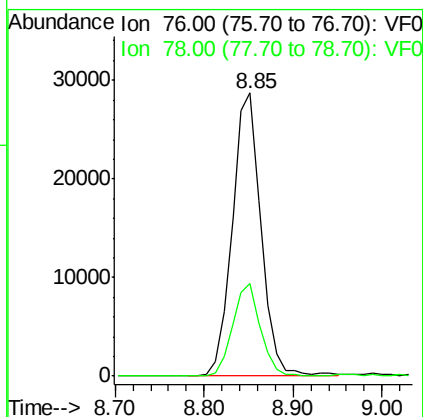
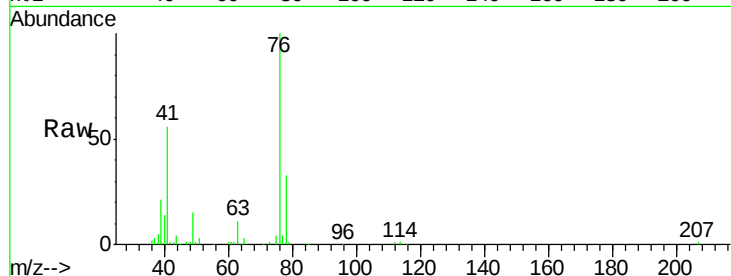
VF0314SBSD01

Tot Ion: 76 Resp: 64871

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 122.912 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061940.D

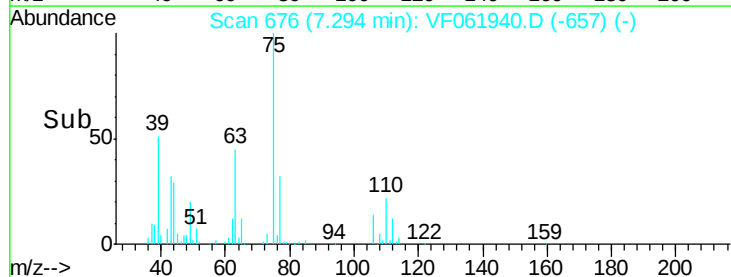
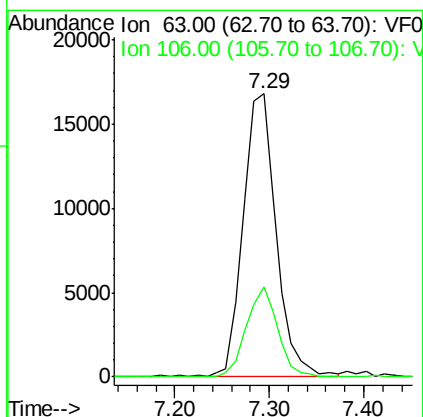
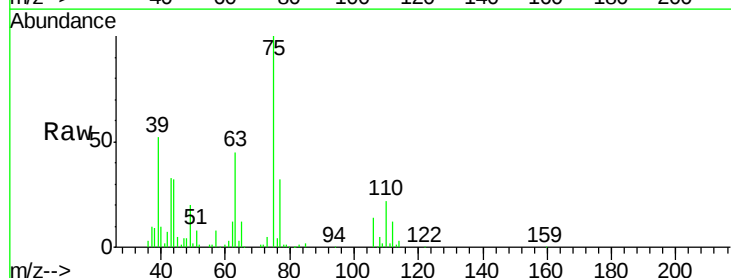
Acq: 14 Mar 2019 15:57

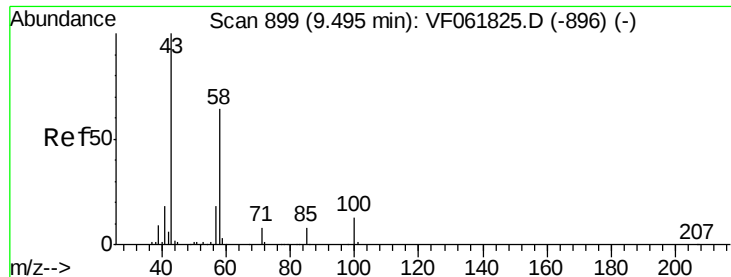
Tgt Ion: 63 Resp: 40782

Ion Ratio Lower Upper

63 100

106 31.9 24.3 36.5

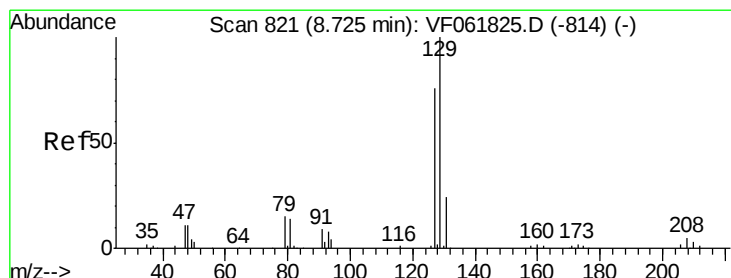
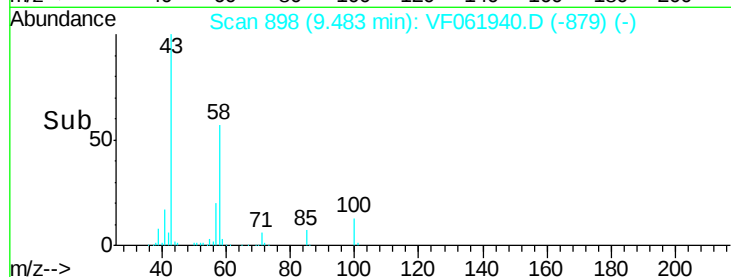
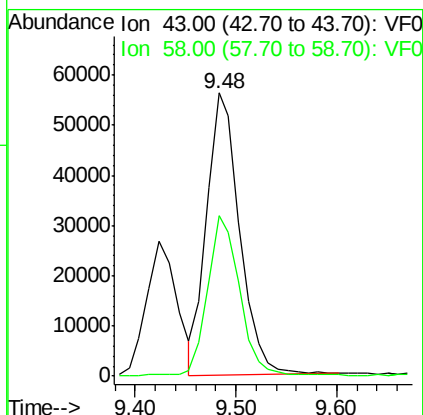
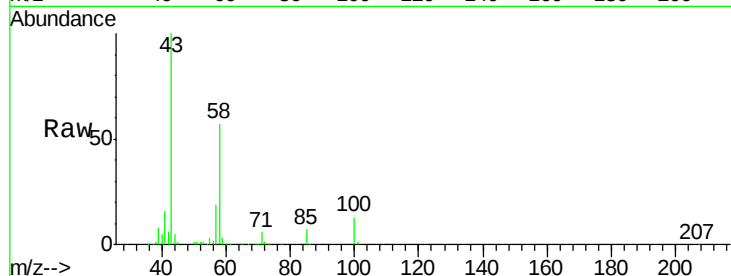




#59
2-Hexanone
Concen: 118.614 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

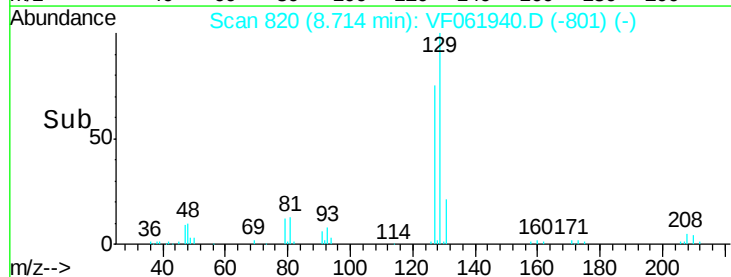
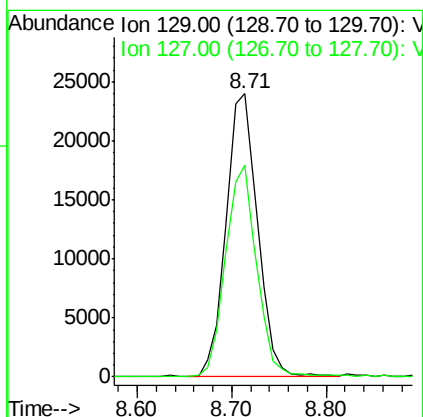
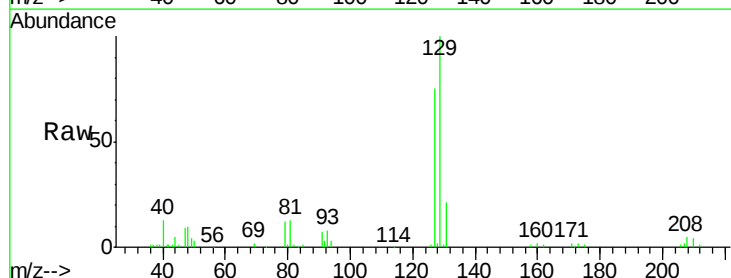
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBSD01

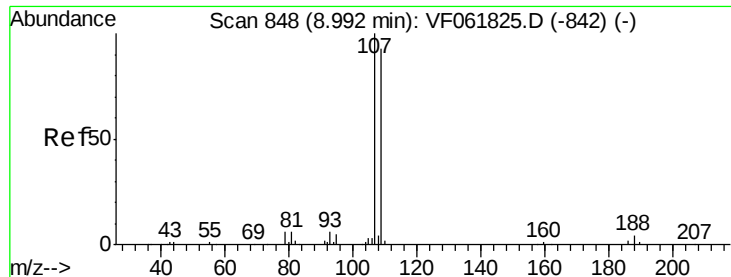
Tot Ion: 43 Resp: 127819
Ion Ratio Lower Upper
43 100
58 56.9 28.8 86.4



#60
Dibromochloromethane
Concen: 20.918 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion: 129 Resp: 55486
Ion Ratio Lower Upper
129 100
127 74.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.174 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

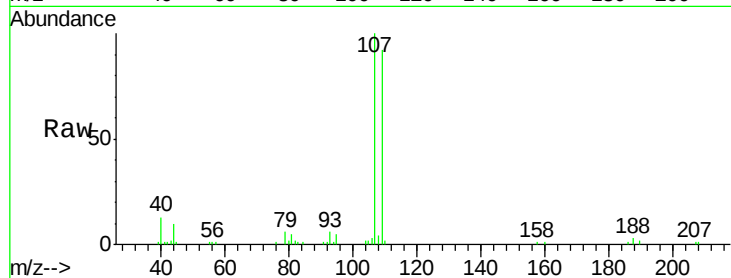
VF0314SBS01

Tot Ion:107 Resp: 41288

Ion Ratio Lower Upper

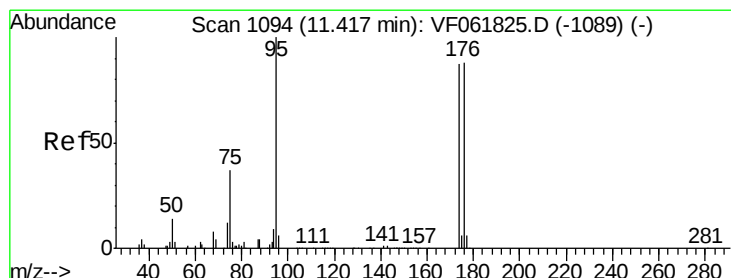
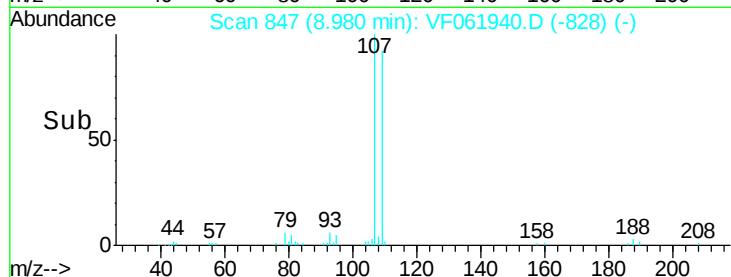
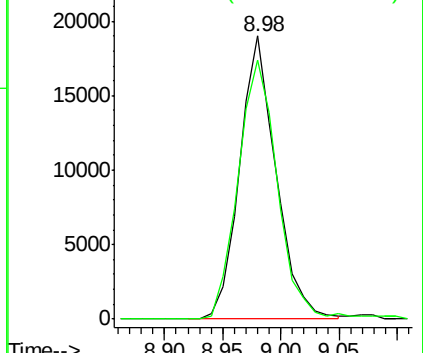
107 100

109 91.6 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.902 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

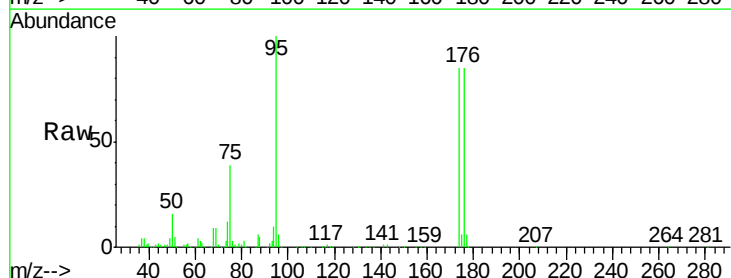
Tgt Ion: 95 Resp: 186498

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.0

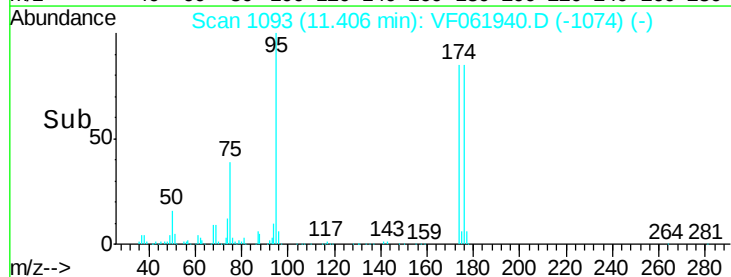
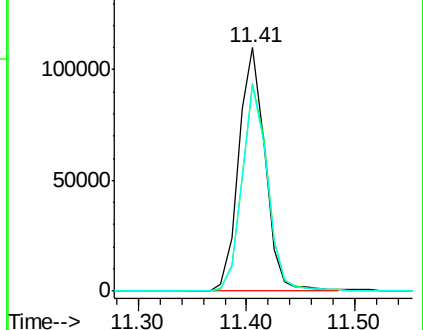
176 84.6 0.0 175.2

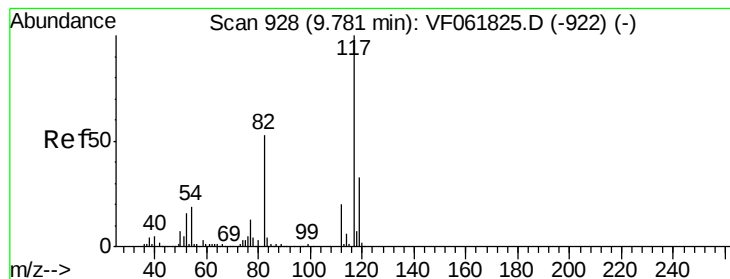


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

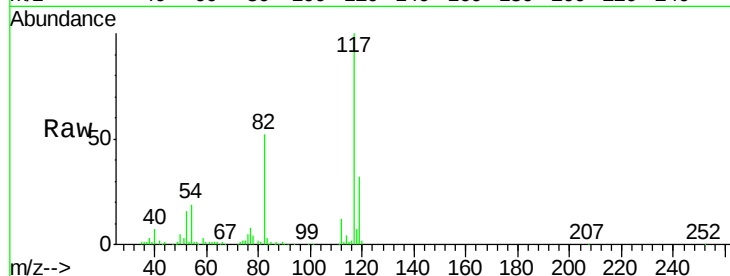
Tot Ion:117 Resp: 373978

Ion Ratio Lower Upper

117 100

82 51.6 42.6 63.8

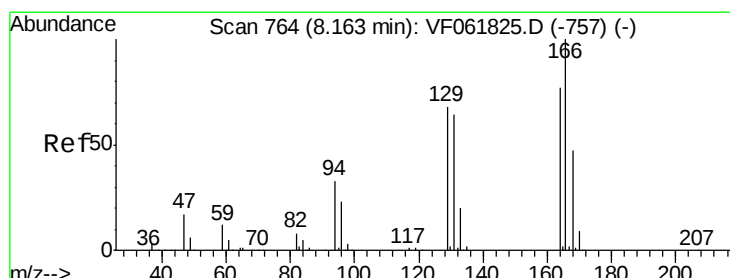
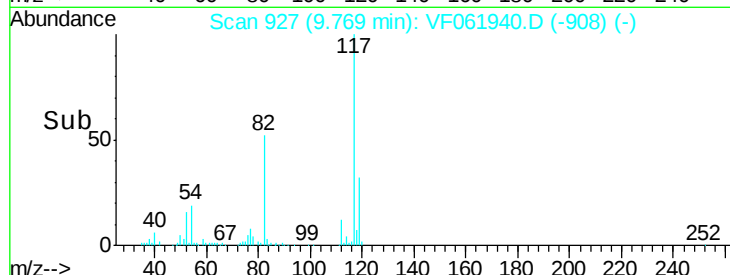
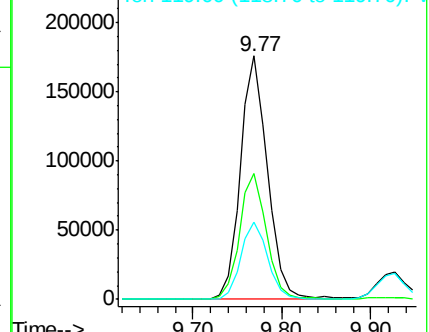
119 31.8 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 21.943 ug/l

RT: 8.15 min Scan# 763

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion:164 Resp: 63055

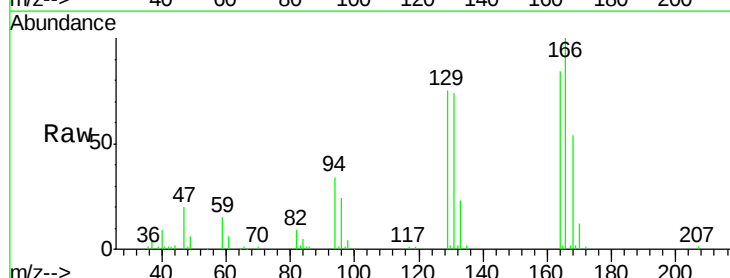
Ion Ratio Lower Upper

164 100

166 118.6 103.4 155.0

129 89.5 69.9 104.9

131 87.8 66.4 99.6

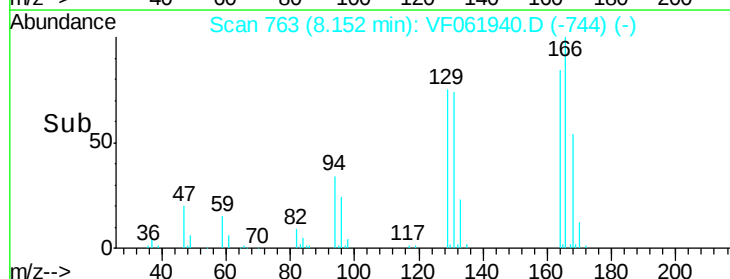
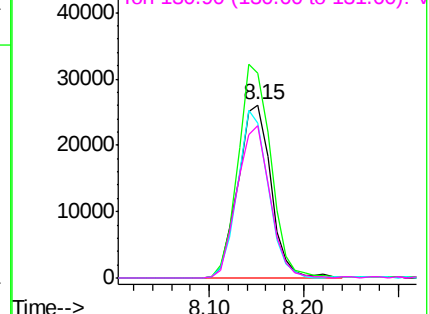


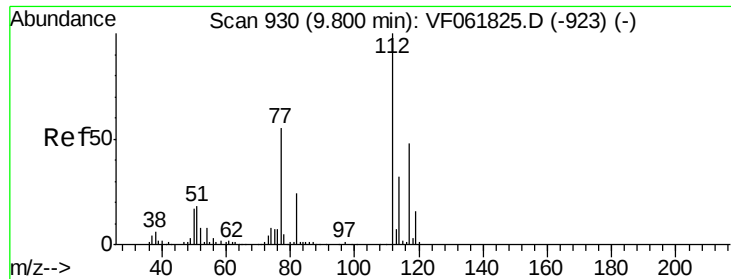
Abundance Ion 163.85 (163.55 to 164.55): V

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

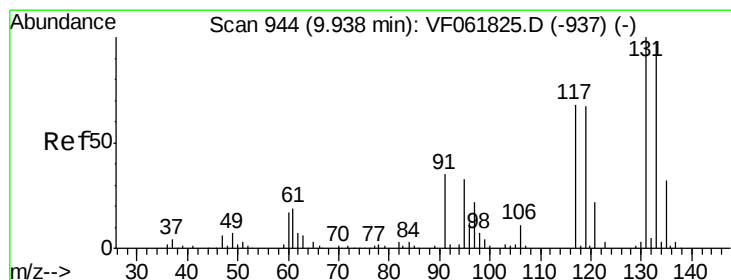
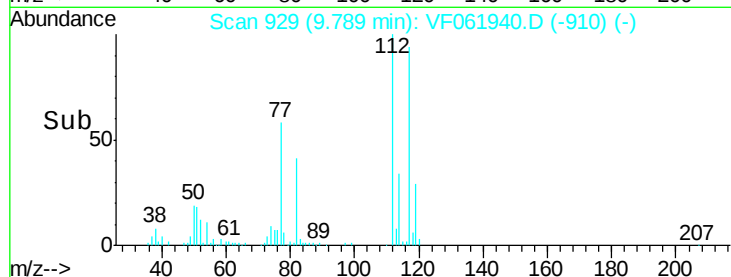
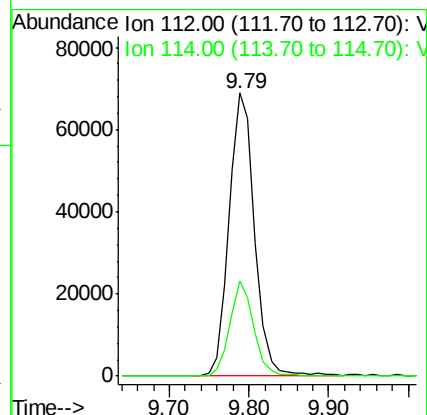
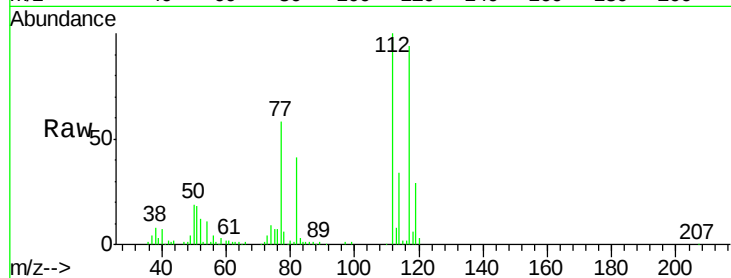




#65
Chlorobenzene
Concen: 21.649 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

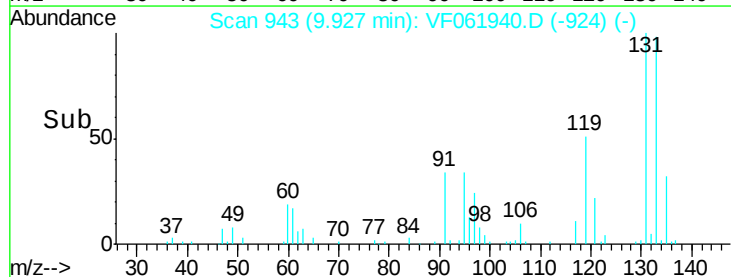
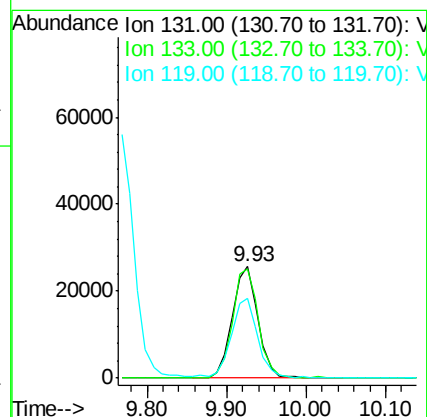
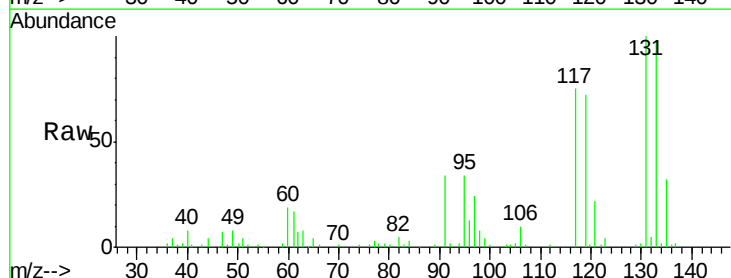
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

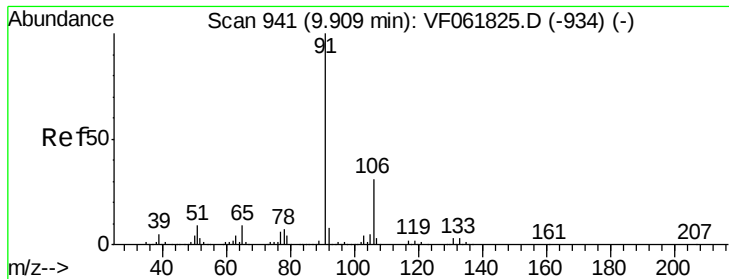
Tot Ion:112 Resp: 155545
Ion Ratio Lower Upper
112 100
114 33.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.798 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion:131 Resp: 57898
Ion Ratio Lower Upper
131 100
133 98.1 48.9 146.7
119 71.7 33.6 100.8





#67

Ethyl Benzene

Concen: 22.089 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

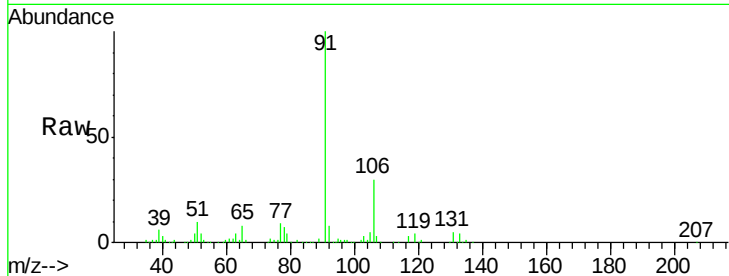
VF0314SBS01

Tot Ion: 91 Resp: 263049

Ion Ratio Lower Upper

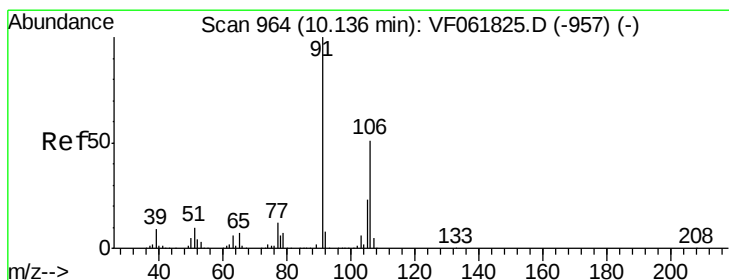
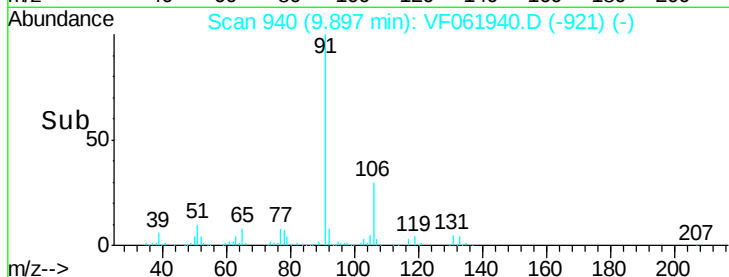
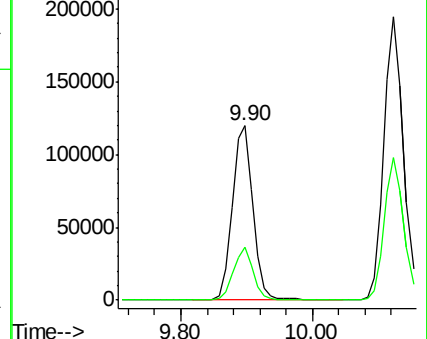
91 100

106 30.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.502 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061940.D

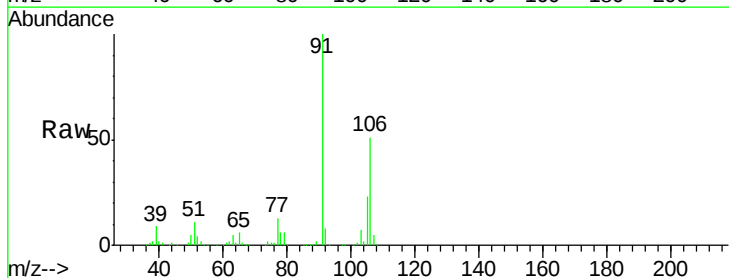
Acq: 14 Mar 2019 15:57

Tgt Ion: 106 Resp: 203021

Ion Ratio Lower Upper

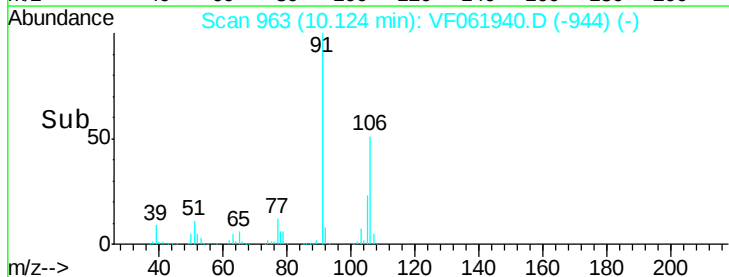
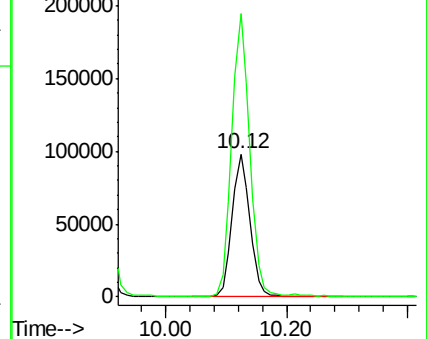
106 100

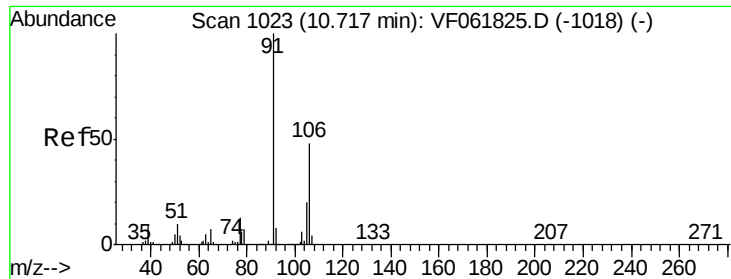
91 198.0 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

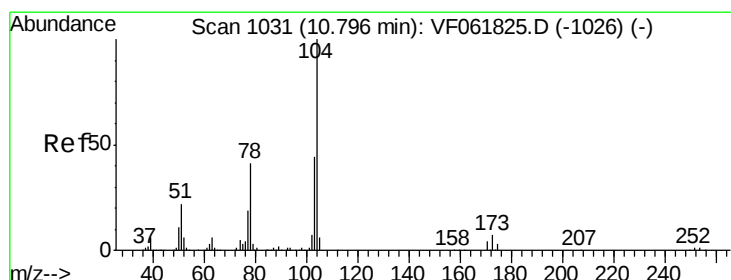
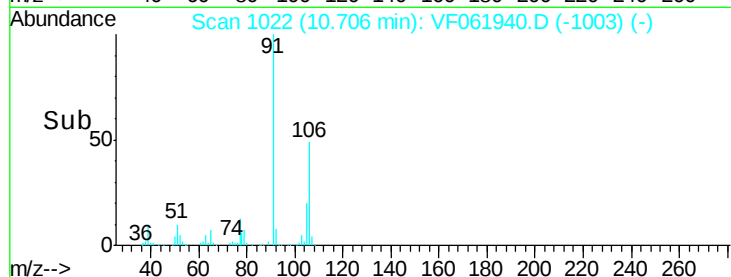
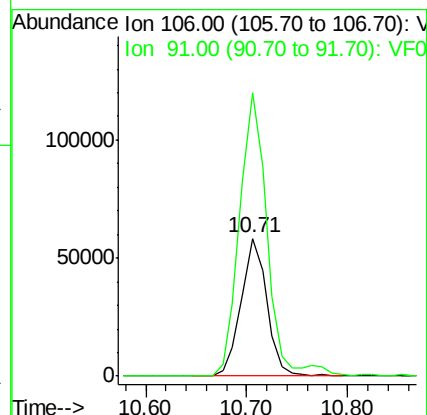
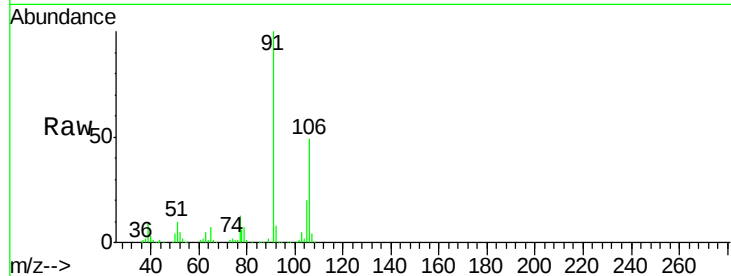




#69
o-Xylene
Concen: 21.300 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

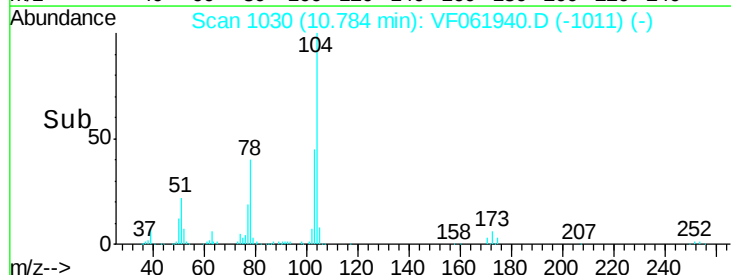
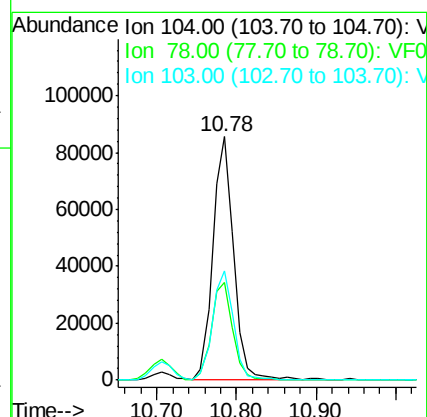
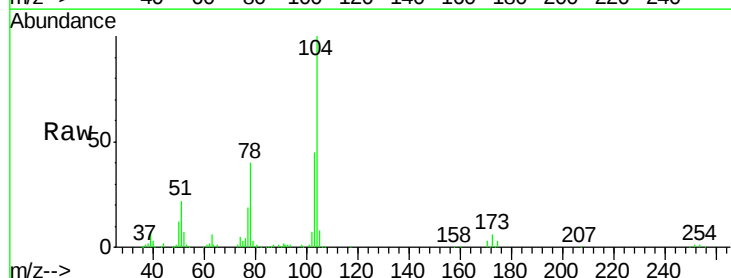
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

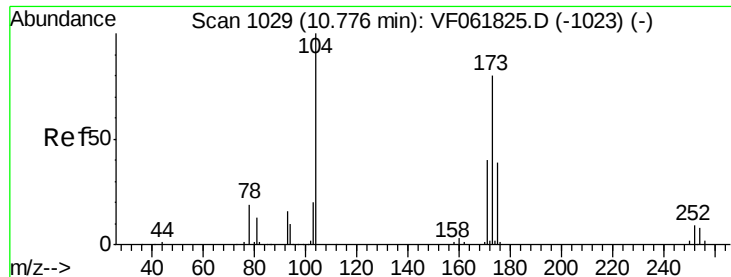
Tot Ion:106 Resp: 104636
Ion Ratio Lower Upper
106 100
91 205.3 103.5 310.3



#70
Styrene
Concen: 22.451 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion:104 Resp: 155214
Ion Ratio Lower Upper
104 100
78 40.3 33.3 49.9
103 45.0 35.4 53.0





#71

Bromoform

Concen: 20.762 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

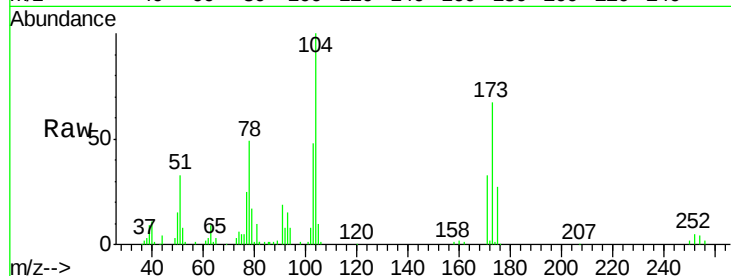
Tot Ion:173 Resp: 30547

Ion Ratio Lower Upper

173 100

175 41.3 24.5 73.5

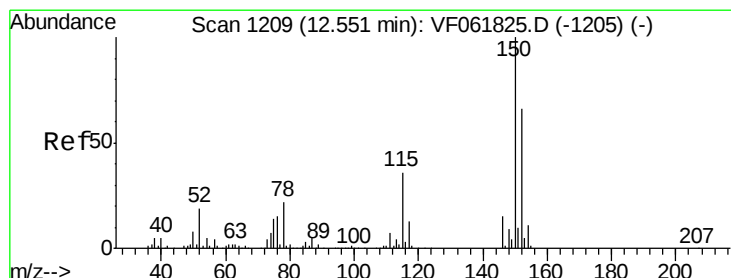
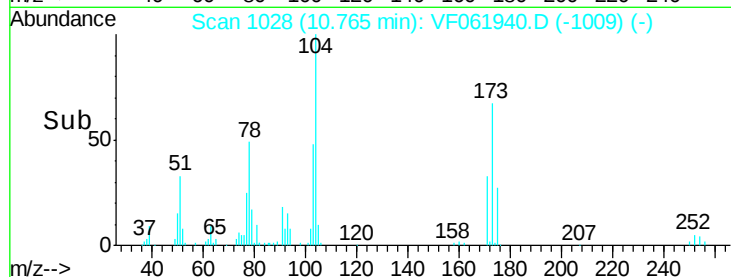
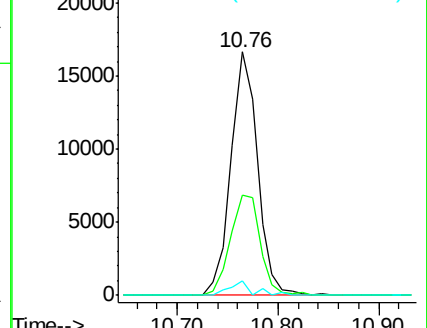
254 6.1 8.0 12.0#



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. -0.00 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

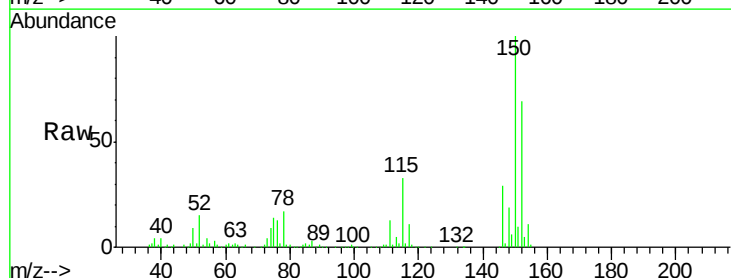
Tgt Ion:152 Resp: 198273

Ion Ratio Lower Upper

152 100

115 47.6 27.7 83.1

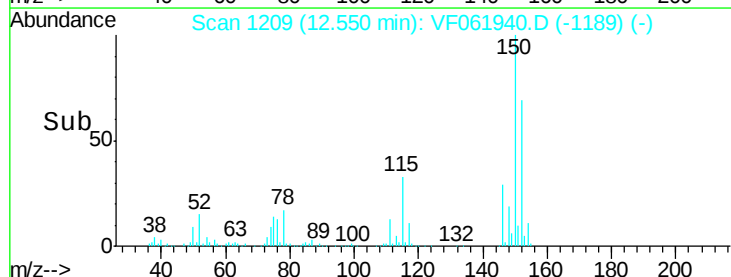
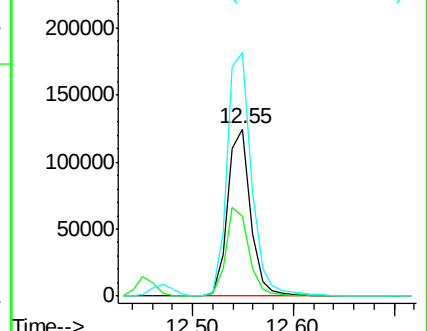
150 145.9 0.0 304.2

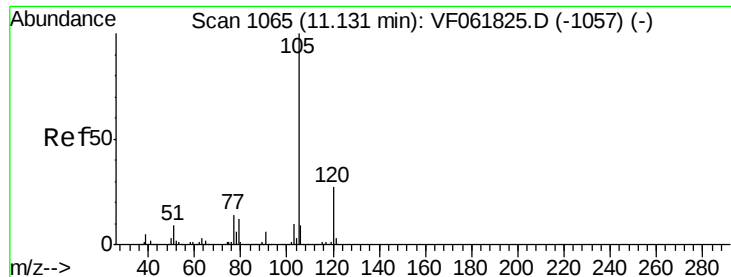


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.353 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

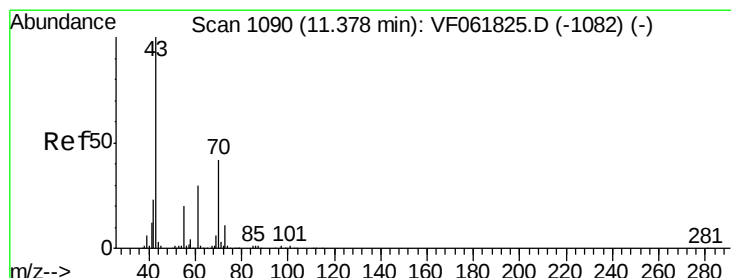
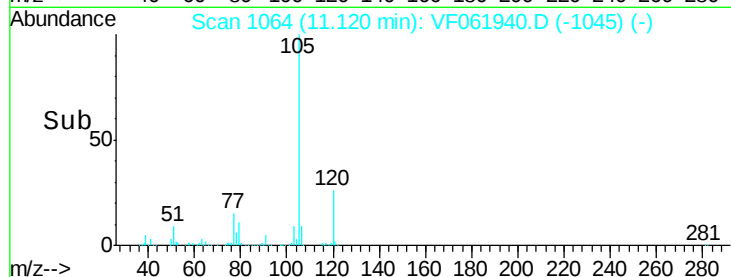
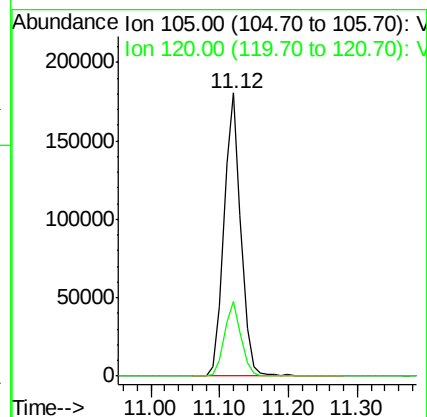
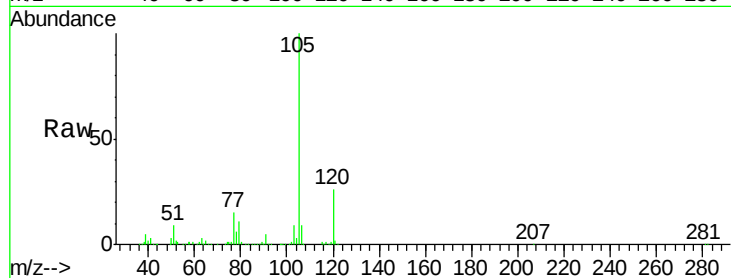
VF0314SBS01

Tot Ion:105 Resp: 305120

Ion Ratio Lower Upper

105 100

120 26.4 13.7 41.0



#74

N-ethyl acetate

Concen: 23.635 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Tgt Ion: 43 Resp: 74273

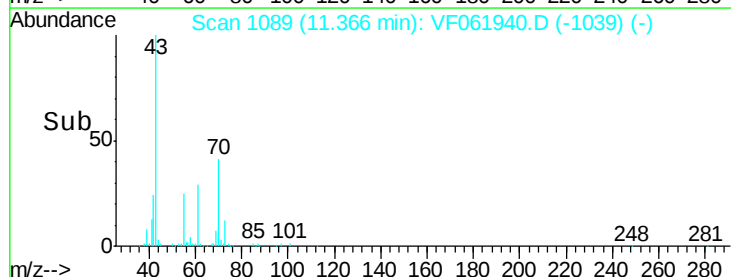
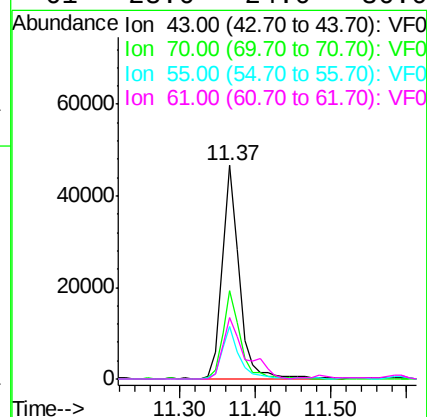
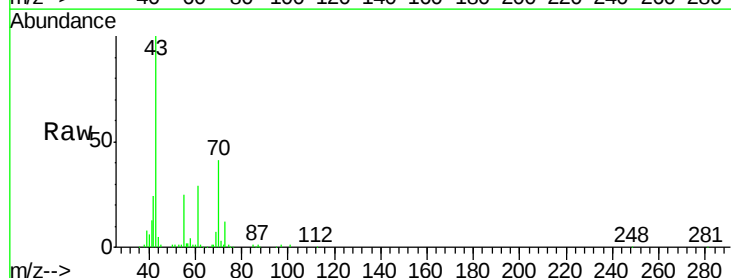
Ion Ratio Lower Upper

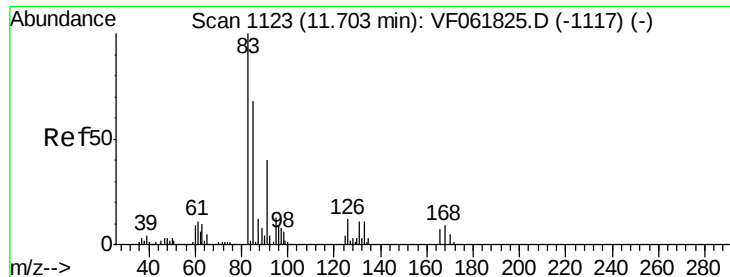
43 100

70 41.4 33.4 50.0

55 24.8 16.3 24.5#

61 28.6 24.0 36.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.884 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

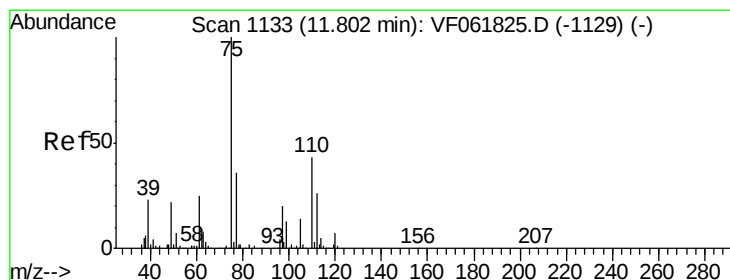
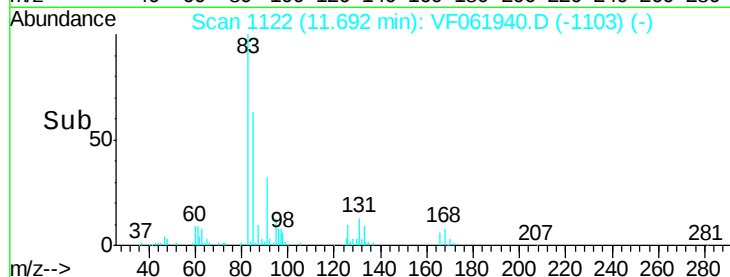
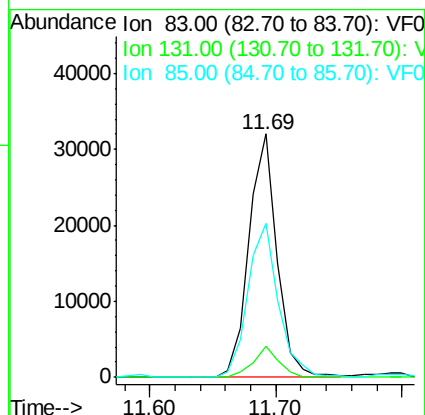
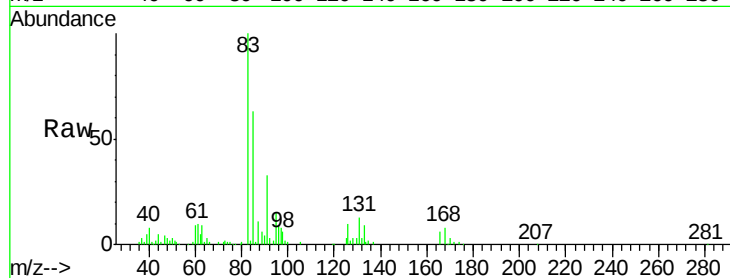
Tot Ion: 83 Resp: 49647

Ion Ratio Lower Upper

83 100

131 12.5 5.5 16.7

85 63.0 34.2 102.6



#76

1,2,3-Trichloropropane

Concen: 21.123 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061940.D

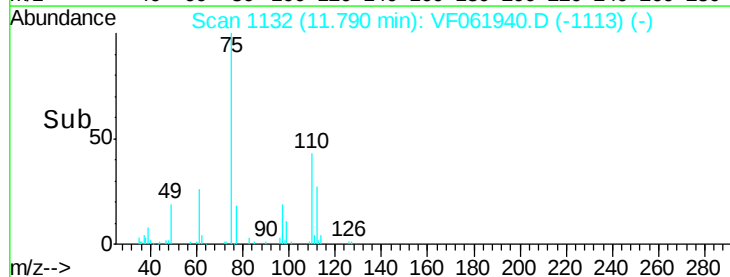
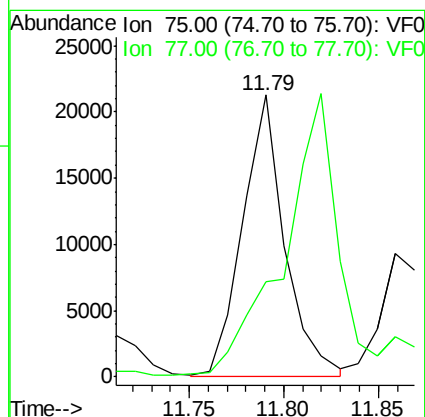
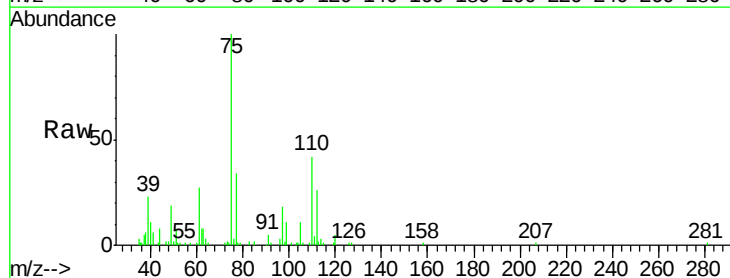
Acq: 14 Mar 2019 15:57

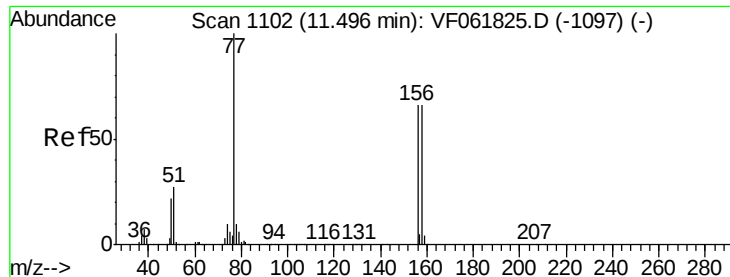
Tgt Ion: 75 Resp: 32707

Ion Ratio Lower Upper

75 100

77 33.8 18.1 54.4





#77

Bromobenzene

Concen: 21.977 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

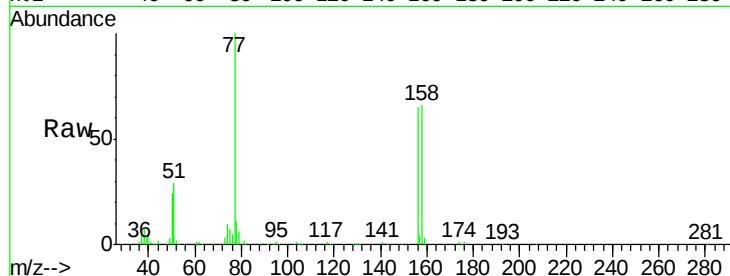
Tot Ion:156 Resp: 72198

Ion Ratio Lower Upper

156 100

77 154.5 75.7 227.1

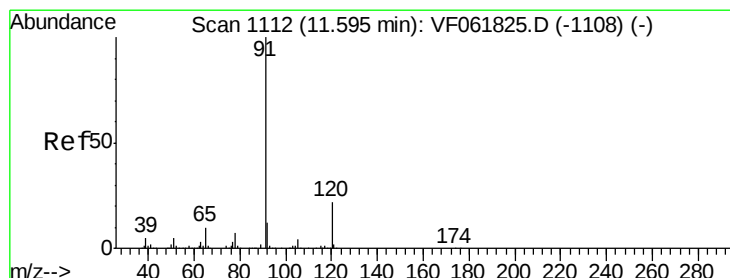
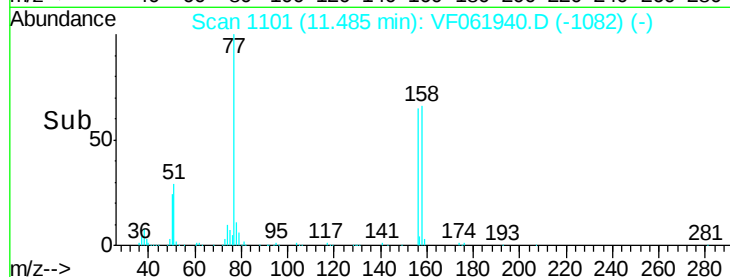
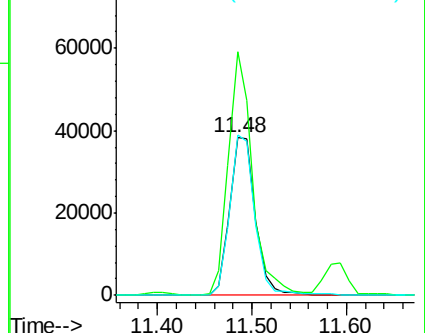
158 101.4 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.412 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061940.D

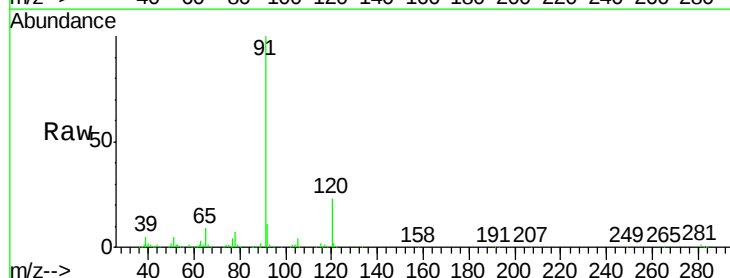
Acq: 14 Mar 2019 15:57

Tgt Ion: 91 Resp: 360886

Ion Ratio Lower Upper

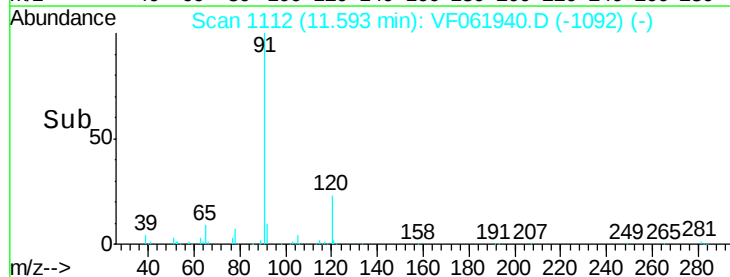
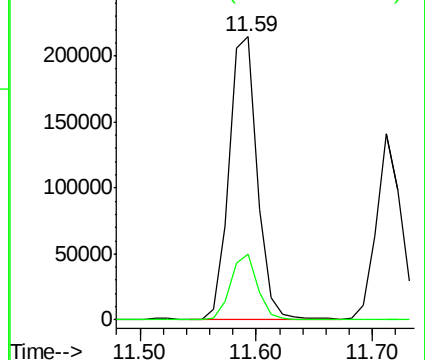
91 100

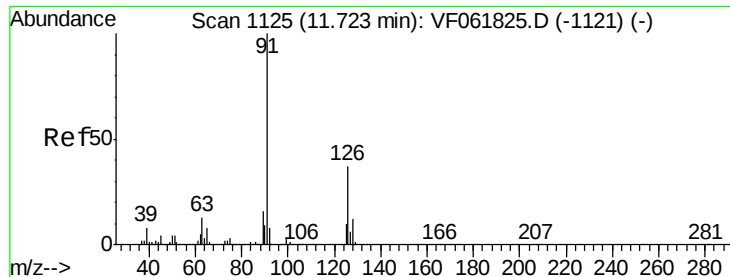
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.317 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

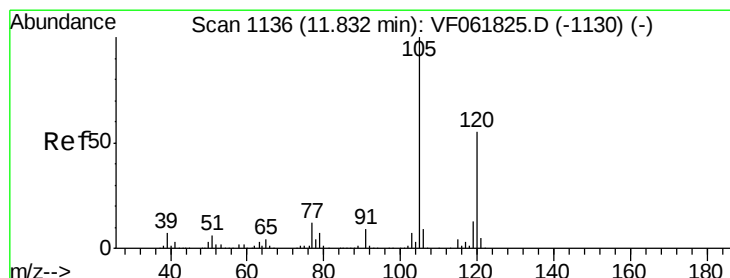
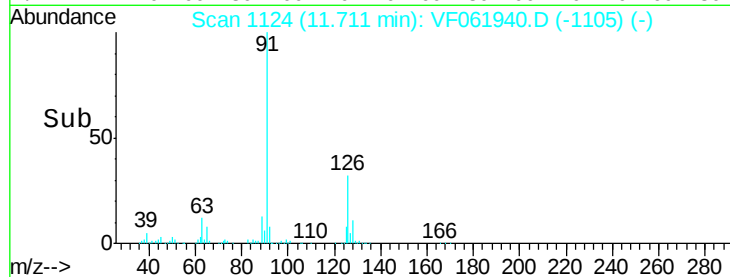
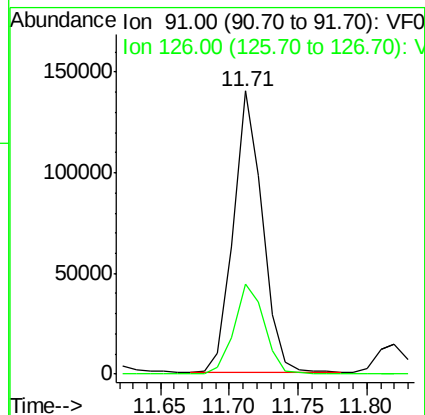
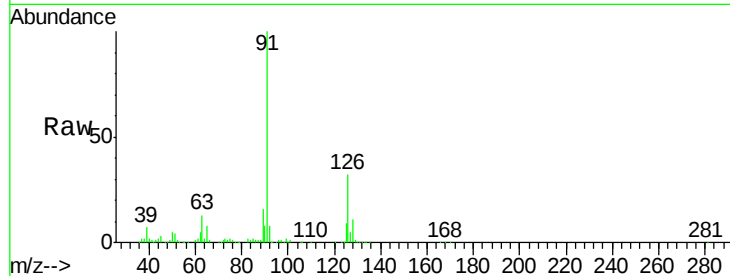
VF0314SBS01

Tot Ion: 91 Resp: 205489

Ion Ratio Lower Upper

91 100

126 31.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.651 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061940.D

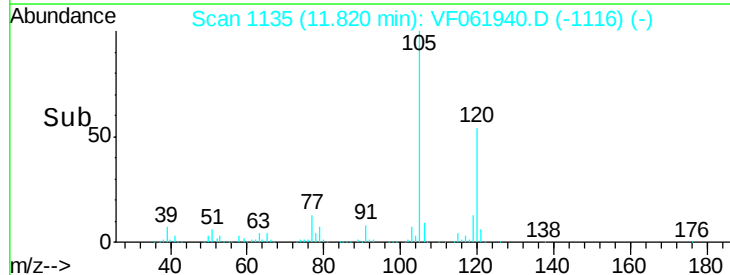
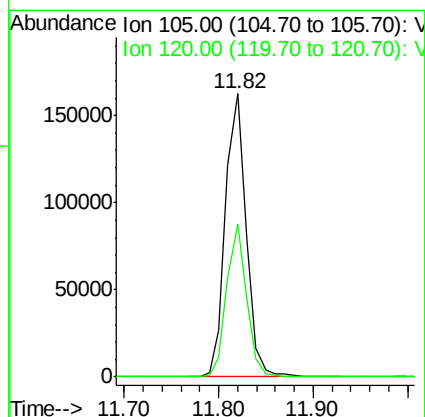
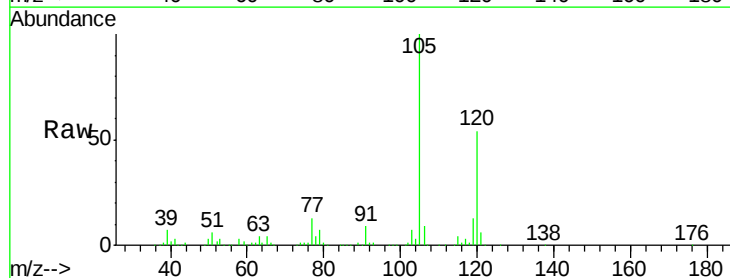
Acq: 14 Mar 2019 15:57

Tgt Ion:105 Resp: 248234

Ion Ratio Lower Upper

105 100

120 54.1 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 28.050 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

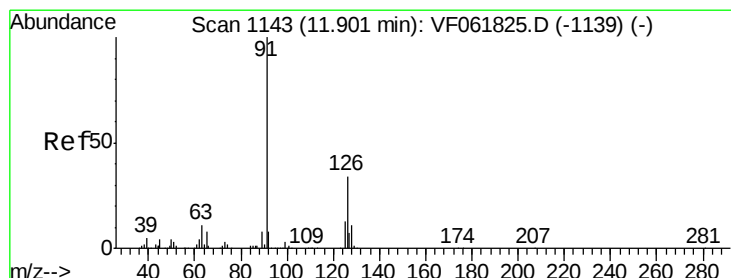
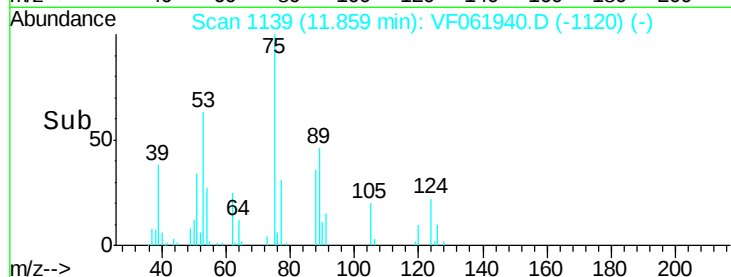
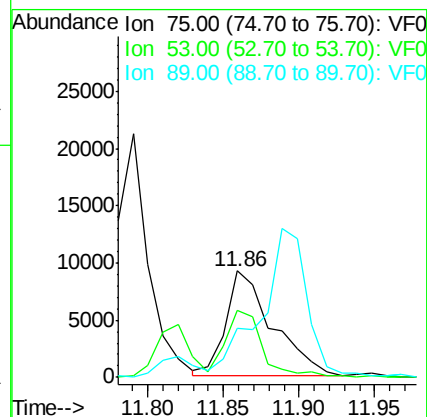
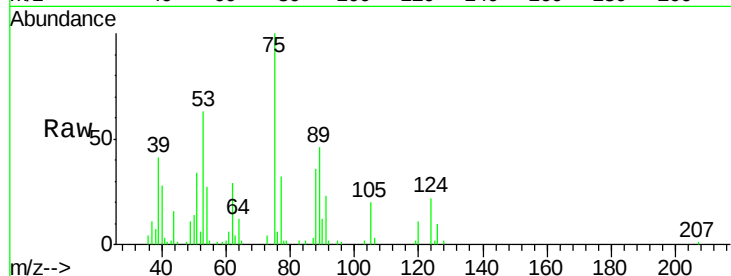
Tot Ion: 75 Resp: 19860

Ion Ratio Lower Upper

75 100

53 62.8 58.6 88.0

89 46.3 41.4 62.0



#82

4-Chlorotoluene

Concen: 22.855 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061940.D

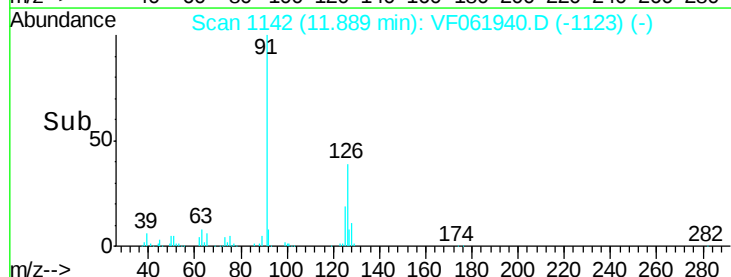
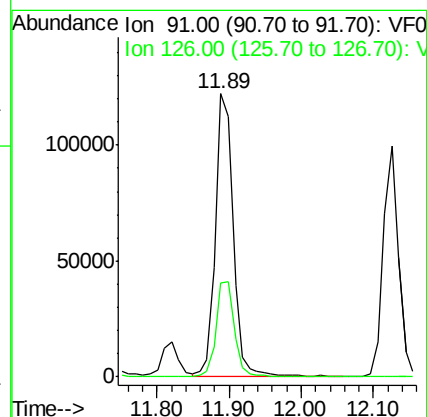
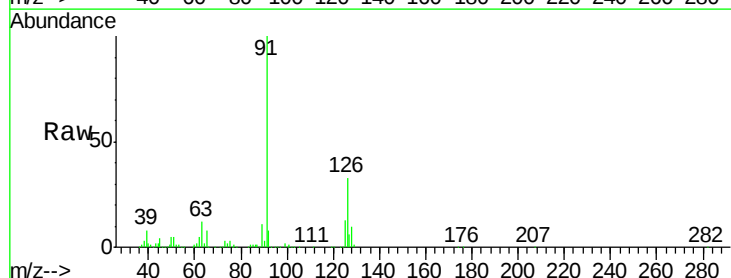
Acq: 14 Mar 2019 15:57

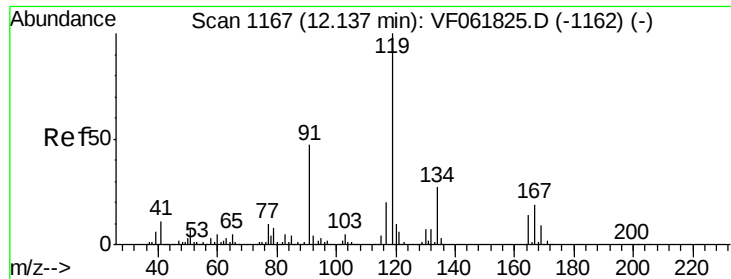
Tgt Ion: 91 Resp: 206025

Ion Ratio Lower Upper

91 100

126 33.3 17.0 50.9

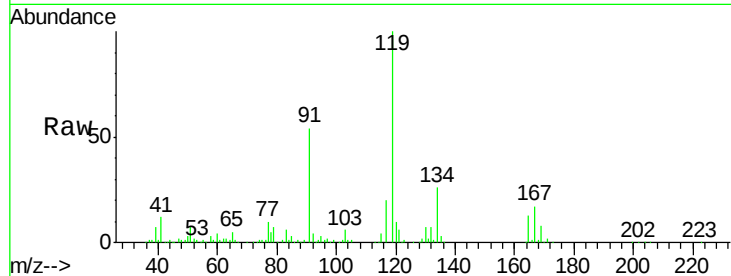




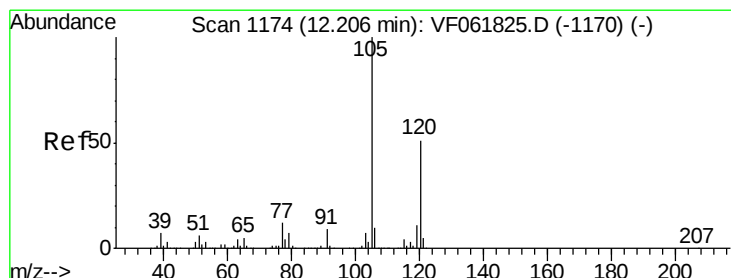
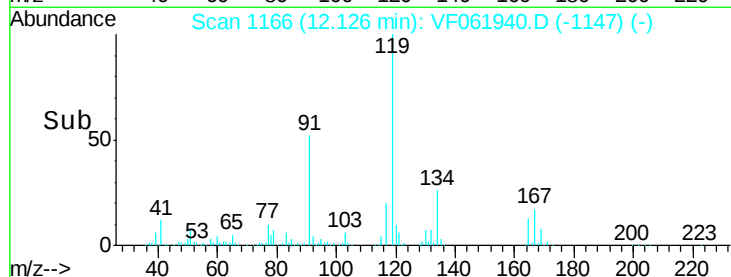
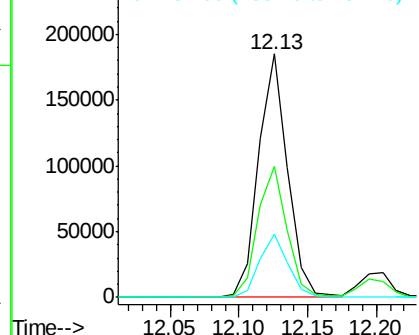
#83
tert-Butylbenzene
Concen: 23.484 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

Tot Ion:119 Resp: 273280
Ion Ratio Lower Upper
119 100
91 53.8 23.5 70.5
134 26.1 13.3 39.8

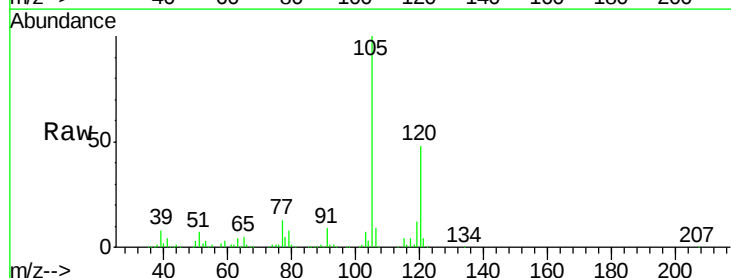


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

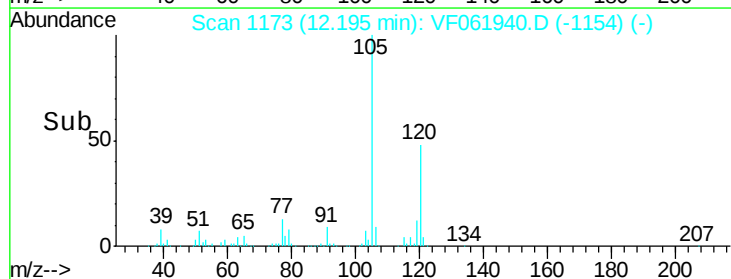
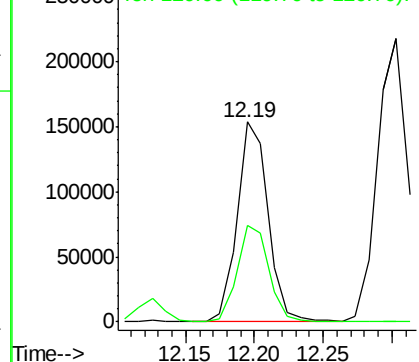


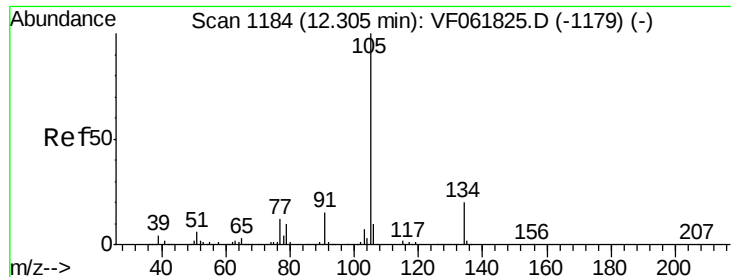
#84
1,2,4-Trimethylbenzene
Concen: 22.286 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion:105 Resp: 239431
Ion Ratio Lower Upper
105 100
120 48.2 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

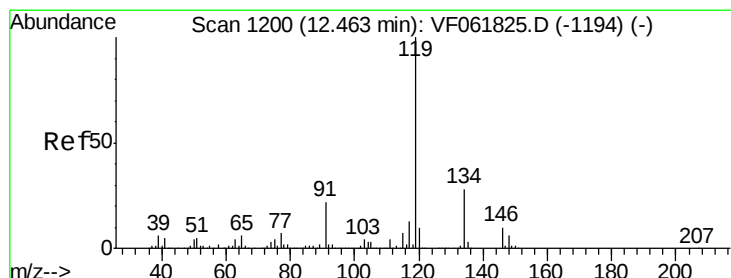
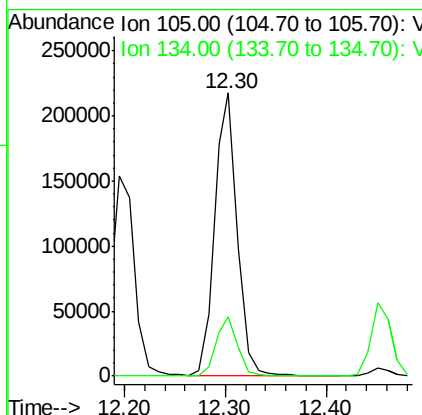
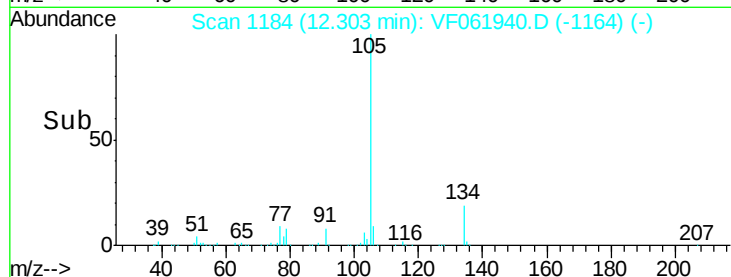
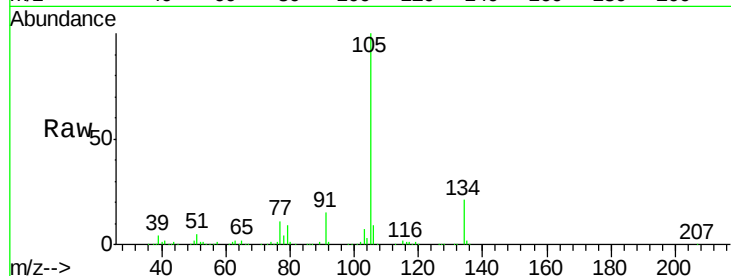




#85
 sec-Butylbenzene
 Concen: 22.299 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

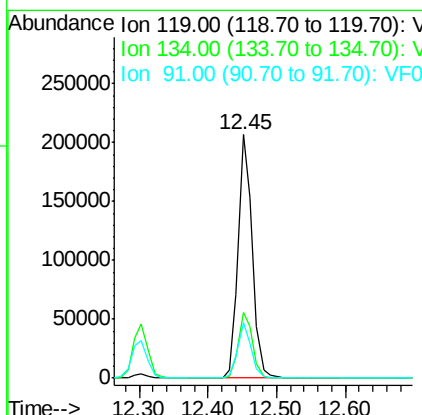
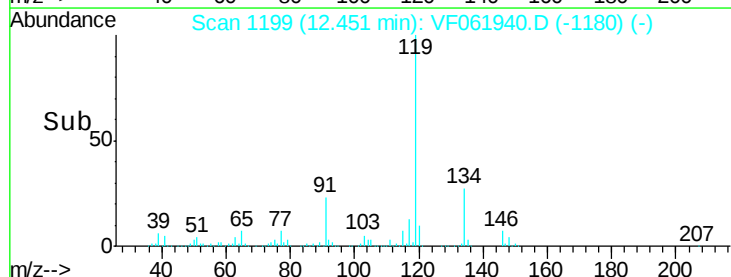
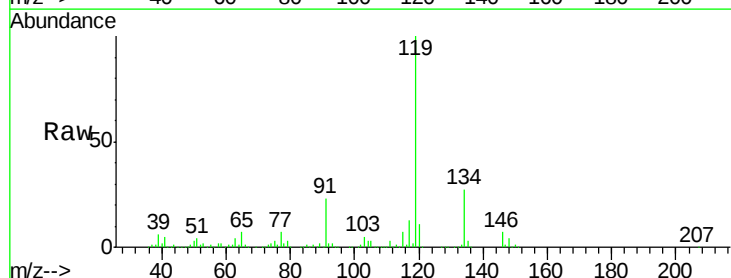
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBS01

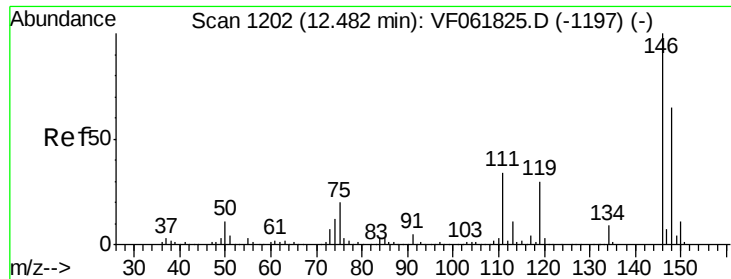
Tot Ion:105 Resp: 337692
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 22.831 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Tgt Ion:119 Resp: 293891
 Ion Ratio Lower Upper
 119 100
 134 27.2 14.0 42.0
 91 22.8 11.1 33.3

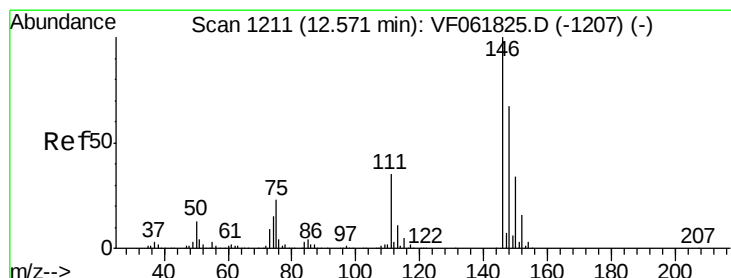
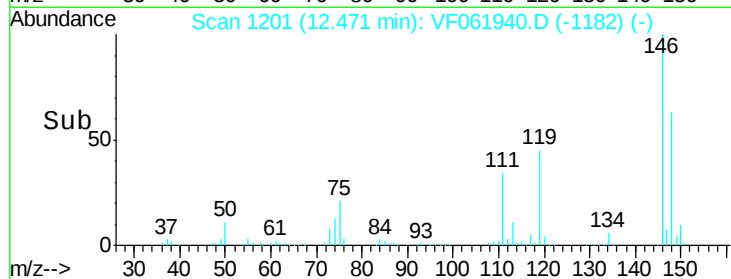
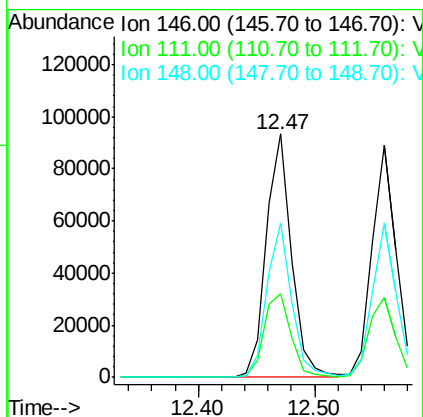
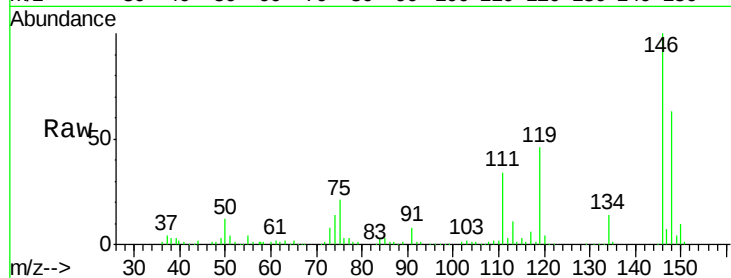




#87
 1,3-Dichlorobenzene
 Concen: 22.517 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

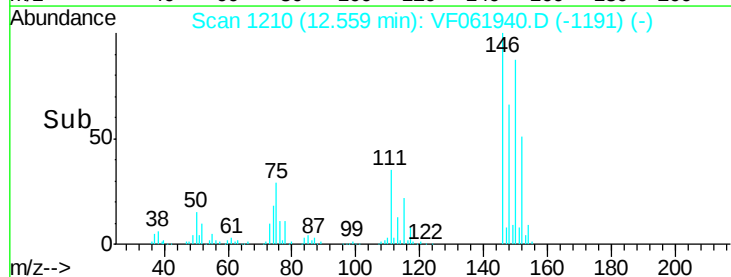
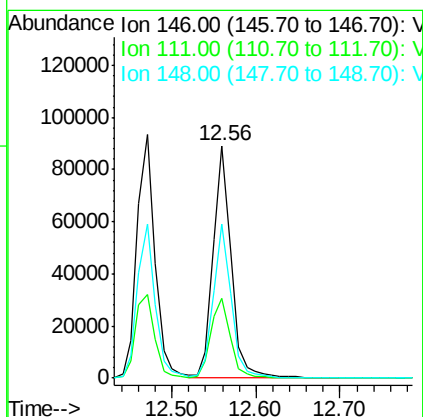
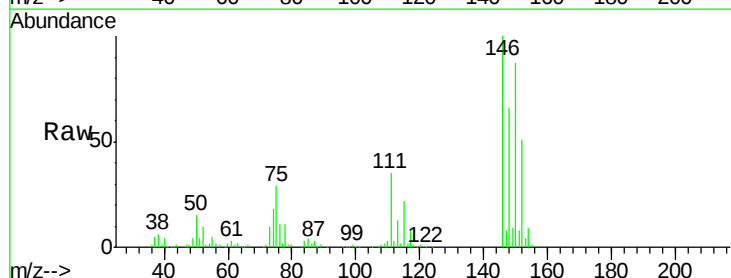
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBSD01

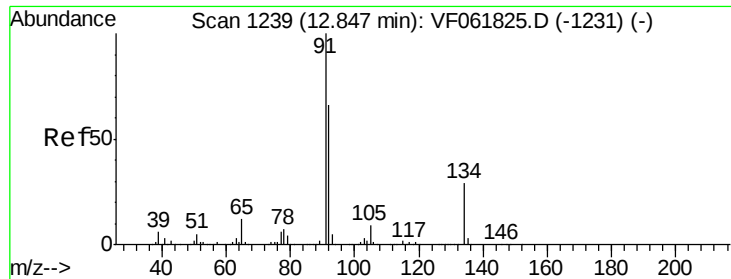
Tot Ion:146 Resp: 140458
 Ion Ratio Lower Upper
 146 100
 111 34.2 17.0 51.0
 148 63.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 22.067 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Tgt Ion:146 Resp: 132783
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.6 52.9
 148 66.5 33.5 100.4

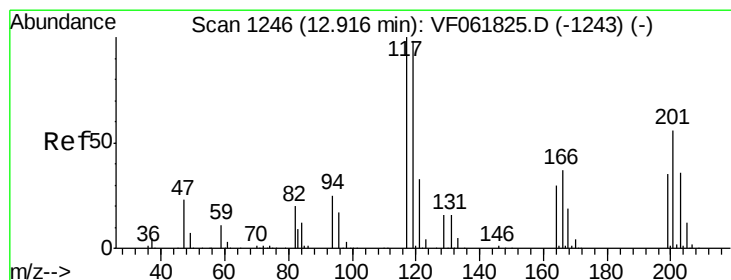
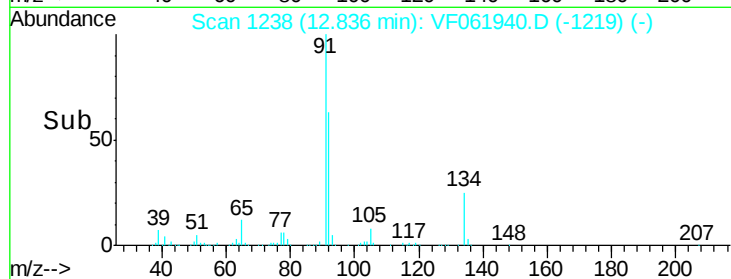
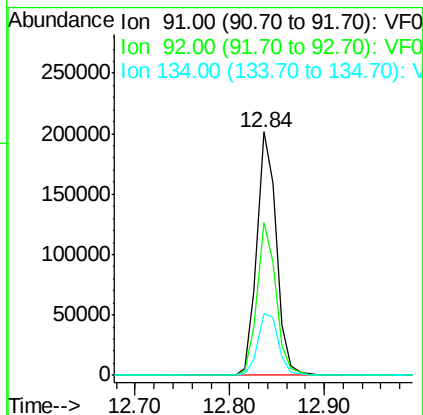
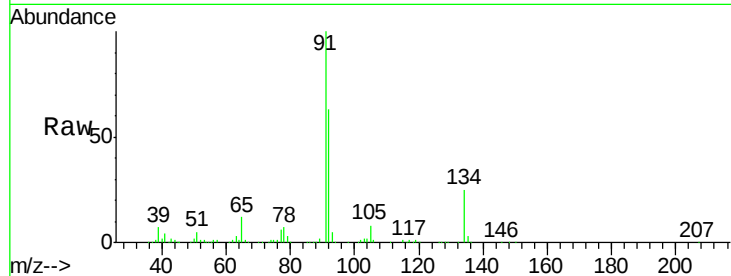




#89
n-Butylbenzene
Concen: 23.654 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

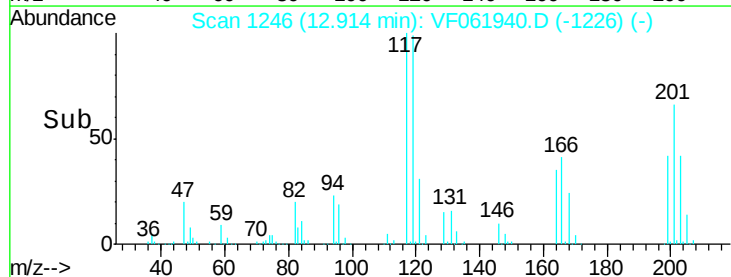
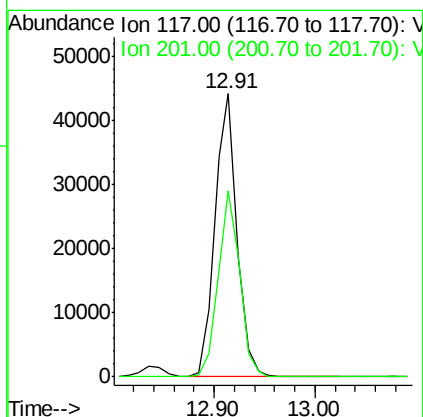
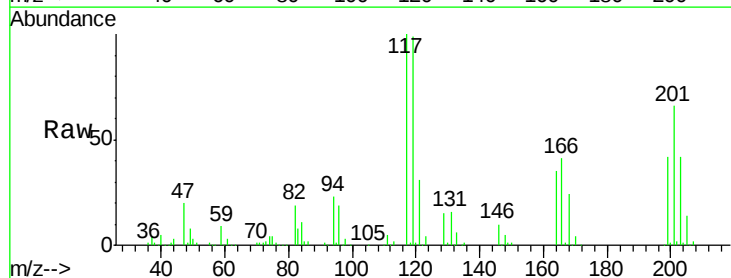
Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

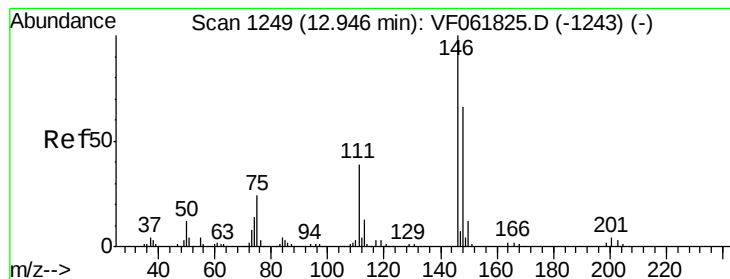
Tot Ion: 91 Resp: 290988
Ion Ratio Lower Upper
91 100
92 62.9 32.9 98.6
134 25.2 14.5 43.6



#90
Hexachloroethane
Concen: 21.779 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion: 117 Resp: 67479
Ion Ratio Lower Upper
117 100
201 65.8 27.8 83.4





#91

1,2-Dichlorobenzene

Concen: 21.772 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

Instrument :

MSVOA_F

ClientSampleId :

VF0314SBS01

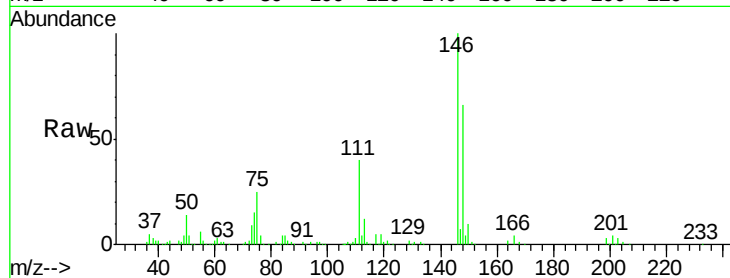
Tot Ion:146 Resp: 128670

Ion Ratio Lower Upper

146 100

111 40.1 19.4 58.4

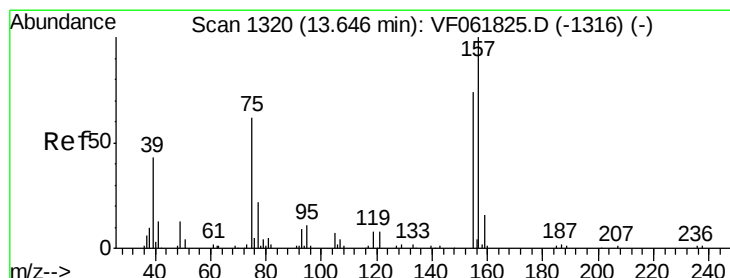
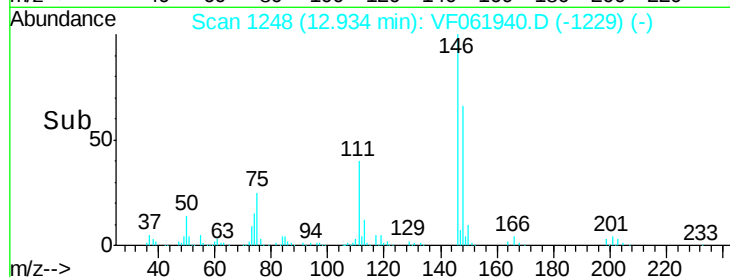
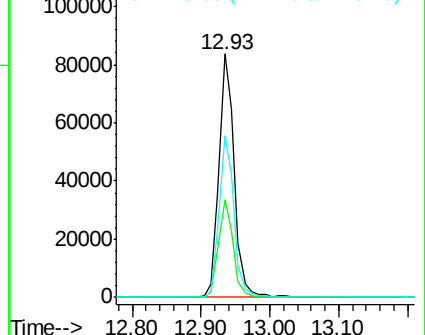
148 66.3 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.185 ug/l

RT: 13.63 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061940.D

Acq: 14 Mar 2019 15:57

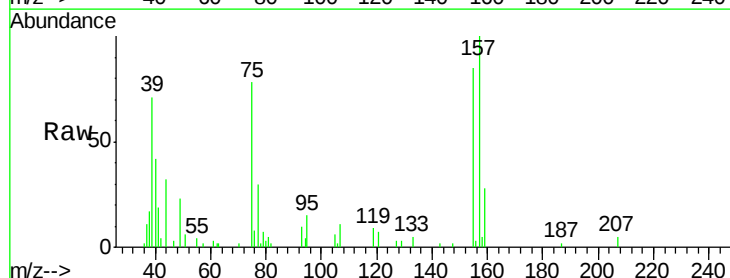
Tgt Ion: 75 Resp: 7421

Ion Ratio Lower Upper

75 100

155 108.8 59.8 179.4

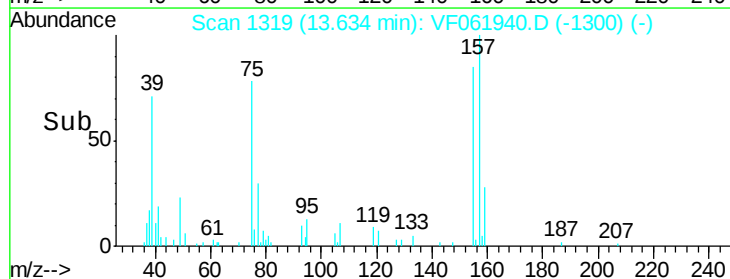
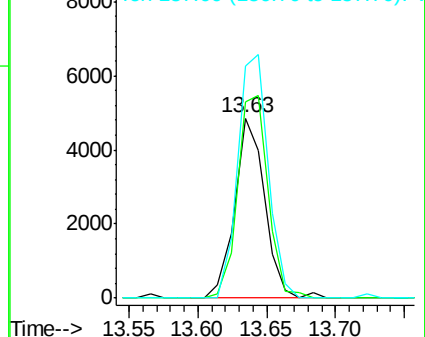
157 128.7 81.2 243.4

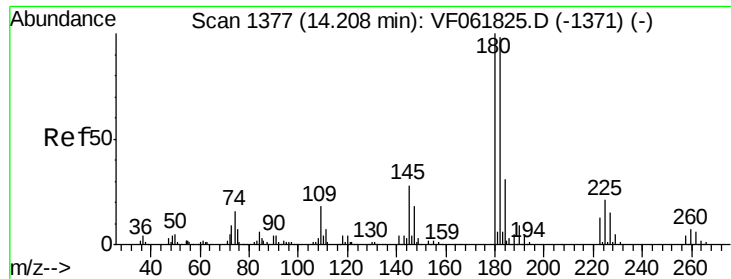


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

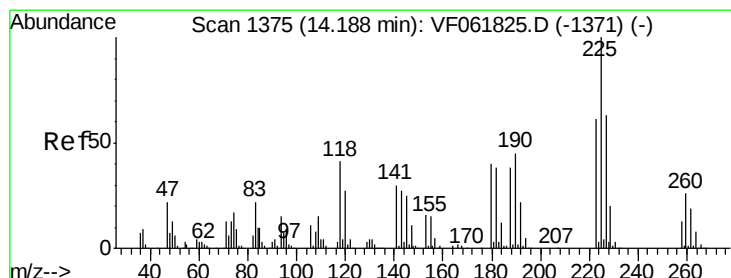
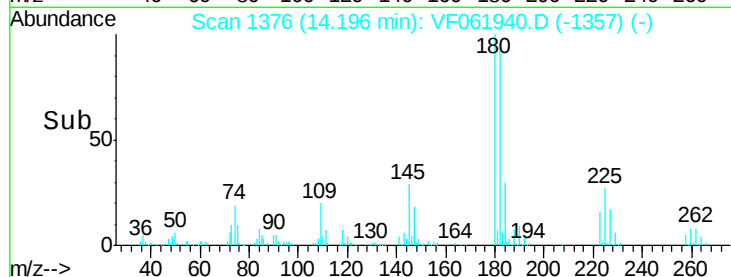
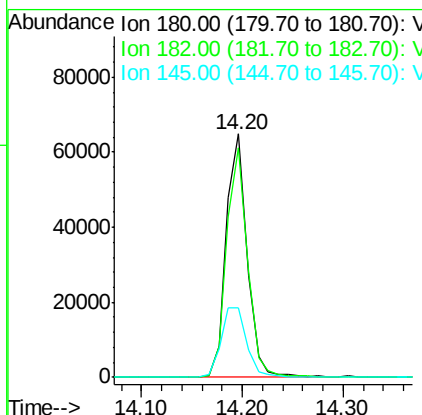
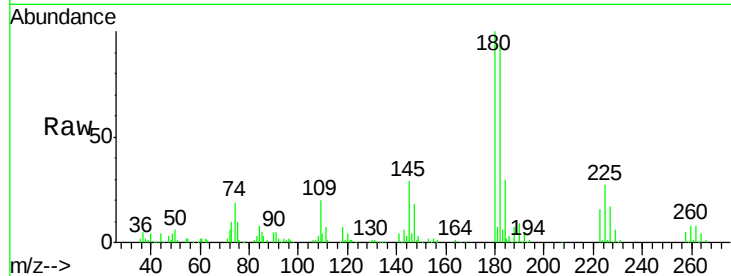




#93
 1,2,4-Trichlorobenzene
 Concen: 22.650 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

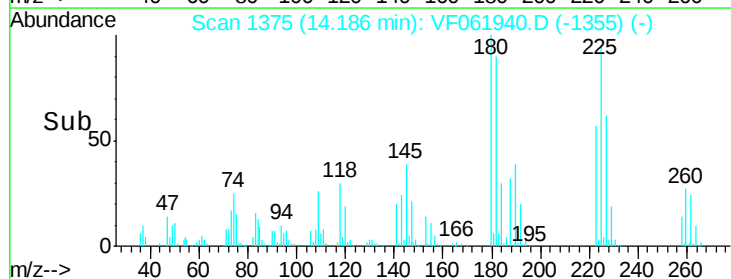
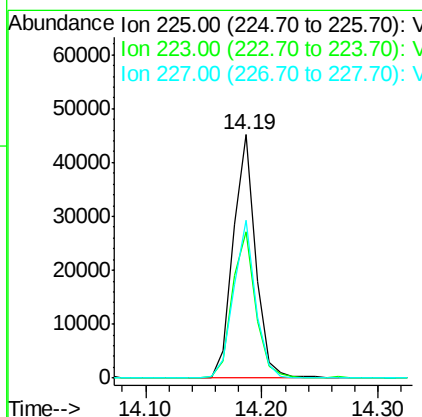
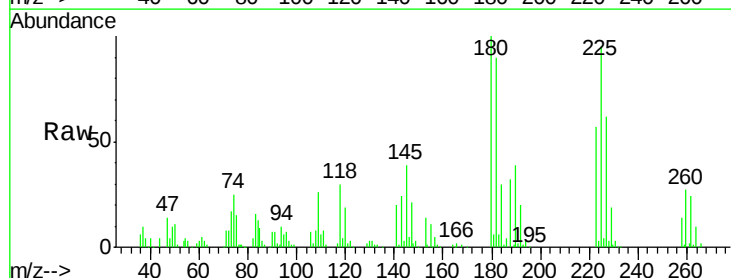
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0314SBS01

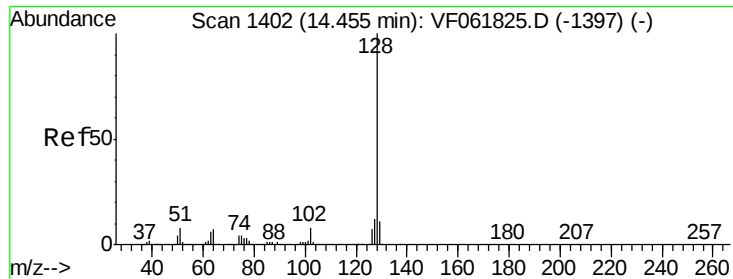
Tot Ion:180 Resp: 93847
 Ion Ratio Lower Upper
 180 100
 182 94.0 49.0 147.2
 145 28.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 20.930 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061940.D
 Acq: 14 Mar 2019 15:57

Tgt Ion:225 Resp: 60032
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.3 90.9
 227 65.1 31.3 93.8

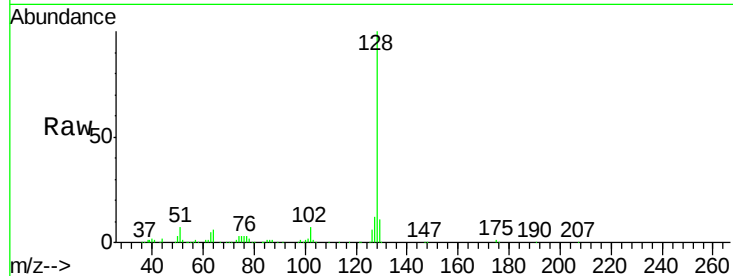




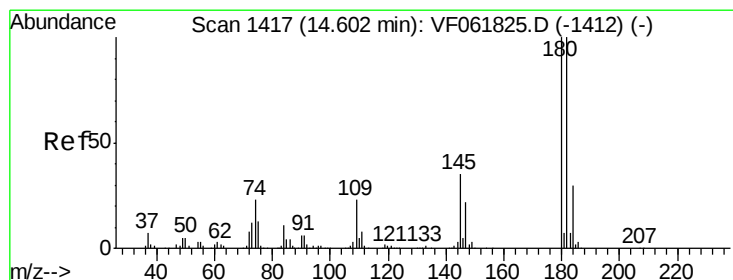
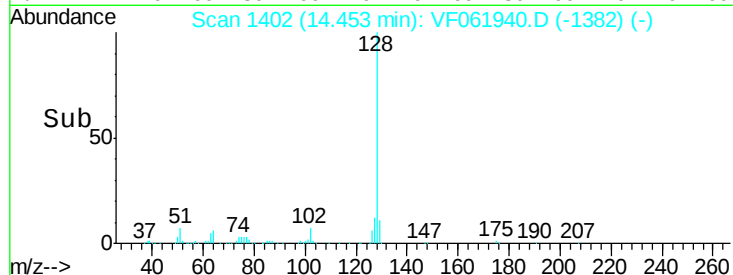
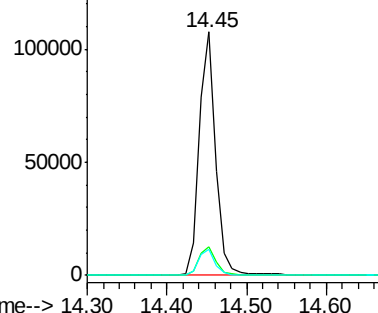
#95
Naphthalene
Concen: 21.431 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Instrument :
MSVOA_F
ClientSampleId :
VF0314SBS01

Tot Ion:128 Resp: 158153
Ion Ratio Lower Upper
128 100
127 11.6 9.3 13.9
129 10.8 8.8 13.2

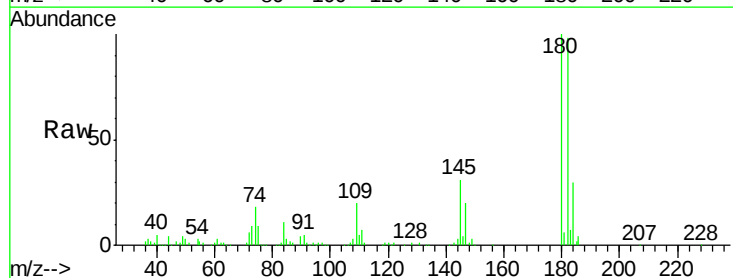


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.589 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061940.D
Acq: 14 Mar 2019 15:57

Tgt Ion:180 Resp: 82590
Ion Ratio Lower Upper
180 100
182 97.6 50.2 150.7
145 30.5 17.5 52.5



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

