

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059955.D
 Acq On : 14 Aug 2018 20:05
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 15 08:55:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	117656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	161735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	164680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	107600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	110833	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	4.31	113	79786	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	7.73	98	183796	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	11.52	95	104378	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	87721	44.71	ug/l	100
3) Chloromethane	1.09	50	36671	40.34	ug/l	100
4) Vinyl Chloride	1.16	62	43149	45.74	ug/l	100
5) Bromomethane	1.35	94	36908	41.76	ug/l	100
6) Chloroethane	1.44	64	27071	45.80	ug/l	100
7) Trichlorofluoromethane	1.54	101	130264	49.98	ug/l	100
8) Diethyl Ether	1.70	74	17318	42.53	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	61823	43.57	ug/l	100
10) Methyl Iodide	1.98	142	94863	43.69	ug/l	100
11) Tert butyl alcohol	2.69	59	22020	253.85	ug/l	100
12) 1,1-Dichloroethene	1.87	96	47299	45.50	ug/l	100
13) Acrolein	2.10	56	12679	245.95	ug/l	100
14) Allyl chloride	2.20	41	59249	35.51	ug/l	100
15) Acrylonitrile	3.08	53	32039	211.45	ug/l	100
16) Acetone	2.34	43	96946	246.44	ug/l	100
17) Carbon Disulfide	1.90	76	111768	40.89	ug/l	100
18) Methyl Acetate	2.46	43	25654	39.63	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	133076	45.19	ug/l	100
20) Methylene Chloride	2.33	84	25000	27.91	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	44686	43.49	ug/l	100
22) Diisopropyl ether	2.94	45	153912	46.22	ug/l	100
23) Vinyl Acetate	3.35	43	404240	249.35	ug/l	100
24) 1,1-Dichloroethane	3.01	63	108605	44.90	ug/l	100
25) 2-Butanone	4.52	43	98570	233.49	ug/l	100
26) 2,2-Dichloropropane	3.77	77	73877	51.42	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	50997	44.58	ug/l	100
28) Bromochloromethane	3.90	49	41704	48.10	ug/l	100
29) Tetrahydrofuran	4.27	42	35037	225.47	ug/l	100
30) Chloroform	4.05	83	149081	45.51	ug/l	100
31) Cyclohexane	3.87	56	55842	46.76	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	122045	46.52	ug/l	100
36) 1,1-Dichloropropene	4.47	75	89528	48.76	ug/l	100
37) Ethyl Acetate	4.31	43	38247	48.55	ug/l	100
38) Carbon Tetrachloride	4.19	117	153283	55.98	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	66562	48.60	ug/l	100
40) Benzene	4.83	78	154610	48.62	ug/l	100
41) Methacrylonitrile	4.94	41	18798	45.59	ug/l	100
42) 1,2-Dichloroethane	5.13	62	126471	49.39	ug/l	100
43) Isopropyl Acetate	7.12	43	41716	50.28	ug/l	100
44) Trichloroethene	5.70	130	59233	48.50	ug/l	100
45) 1,2-Dichloropropane	6.42	63	40999	48.60	ug/l	100
46) Dibromomethane	6.27	93	40350	47.17	ug/l	100
47) Bromodichloromethane	6.56	83	115844	49.44	ug/l	100
48) Methyl methacrylate	6.89	41	33175	51.81	ug/l	100
49) 1,4-Dioxane	6.89	88	5295	1099.71	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	214276	254.30	ug/l	100
52) Toluene	7.80	92	113973	48.87	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	95155	52.45	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	98014	52.86	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	39209	46.75	ug/l	100
56) Ethyl methacrylate	8.78	69	43904	47.57	ug/l	100
57) 1,3-Dichloropropane	9.02	76	75632	51.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	28972	261.13	ug/l	100
59) 2-Hexanone	9.65	43	159179	265.84	ug/l	100
60) Dibromochloromethane	8.88	129	81144	51.32	ug/l	100
61) 1,2-Dibromoethane	9.16	107	49884	48.83	ug/l	100
64) Tetrachloroethene	8.33	164	61207	44.48	ug/l	100
65) Chlorobenzene	9.96	112	157858	47.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	75430	46.29	ug/l	100
67) Ethyl Benzene	10.05	91	277886	48.67	ug/l	100
68) m/p-Xylenes	10.29	106	184640	93.51	ug/l	100
69) o-Xylene	10.84	106	102328	49.39	ug/l	100
70) Styrene	10.92	104	152356	48.72	ug/l	100
71) Bromoform	10.90	173	48593	48.34	ug/l	100
73) Isopropylbenzene	11.25	105	352251	52.90	ug/l	100
74) N-amyl acetate	11.47	43	77557	46.98	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	56641	45.64	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	50565	47.19	ug/l	100
77) Bromobenzene	11.61	156	88526	48.75	ug/l	100
78) n-propylbenzene	11.70	91	406109	51.55	ug/l	100
79) 2-Chlorotoluene	11.83	91	246505	49.71	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	315567	51.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	30038	70.54	ug/l	100
82) 4-Chlorotoluene	12.00	91	270485	49.64	ug/l	100
83) tert-Butylbenzene	12.23	119	320298	52.91	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	332322	51.88	ug/l	100
85) sec-Butylbenzene	12.40	105	414209	51.60	ug/l	100
86) p-Isopropyltoluene	12.55	119	363125	53.99	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	165583	48.17	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	169970	50.23	ug/l	100
89) n-Butylbenzene	12.93	91	353160	54.44	ug/l	100
90) Hexachloroethane	13.01	117	87167	47.54	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	160243	48.61	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.73	75	16221	51.79	ug/l	100

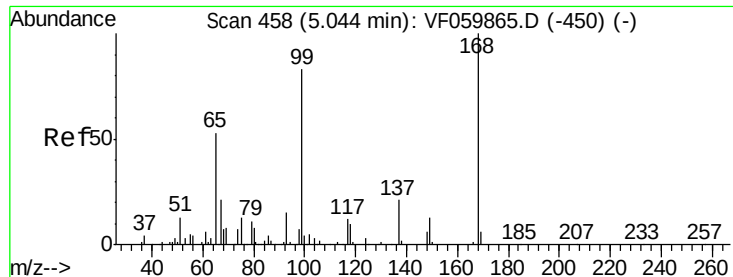
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	136951	54.00	ug/l	100
94) Hexachlorobutadiene	14.27	225	96180	53.58	ug/l	100
95) Naphthalene	14.54	128	226816	52.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	130637	52.66	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

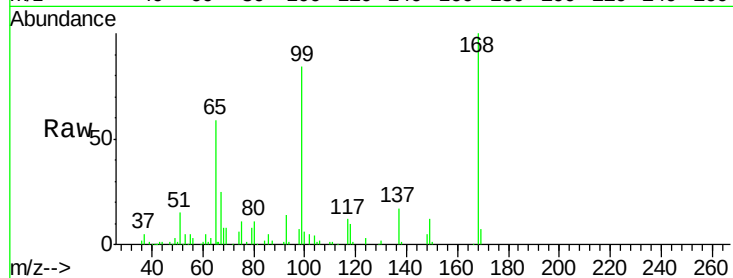
VSTDICCC050

Tot Ion:168 Resp: 117656

Ion Ratio Lower Upper

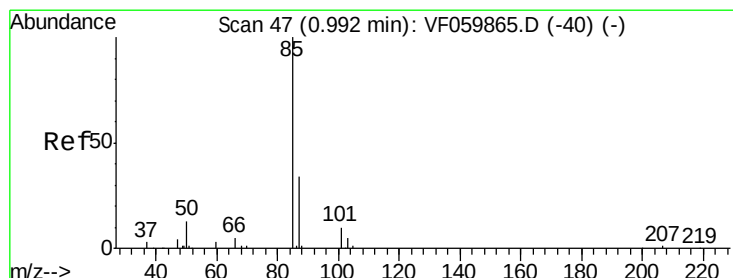
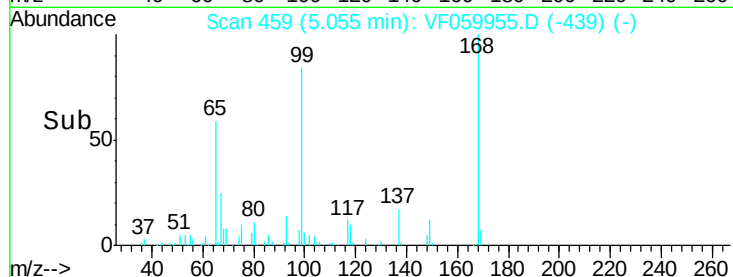
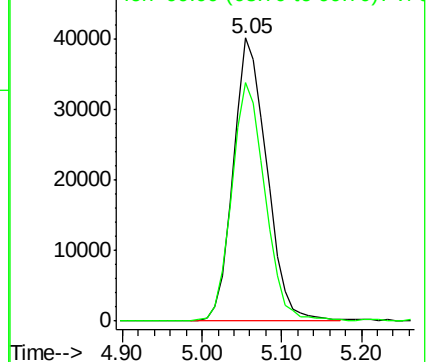
168 100

99 84.2 67.4 101.0



Abundance Ion 168.00 (167.70 to 168.70):

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 44.71 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059955.D

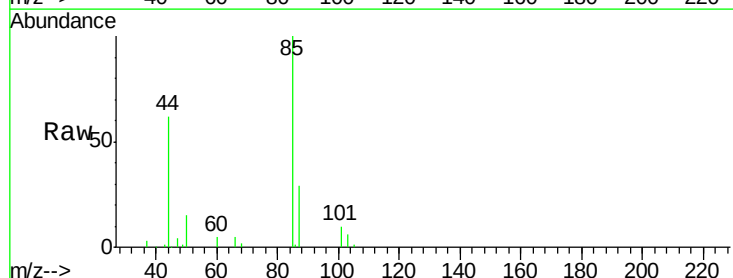
Acq: 14 Aug 2018 20:05

Tgt Ion: 85 Resp: 87721

Ion Ratio Lower Upper

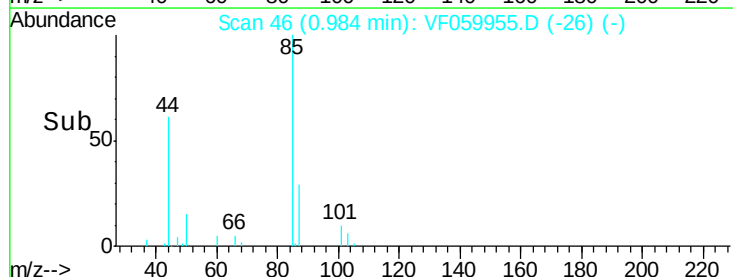
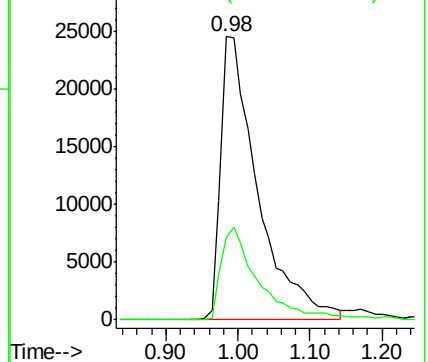
85 100

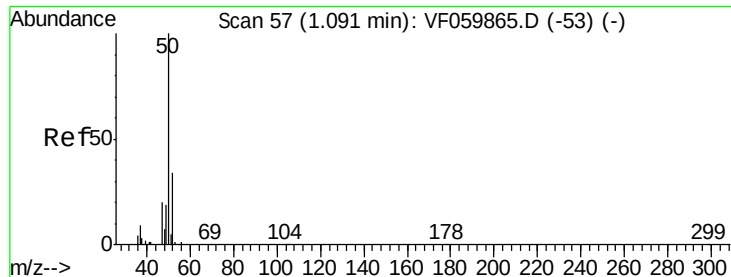
87 28.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 40.34 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

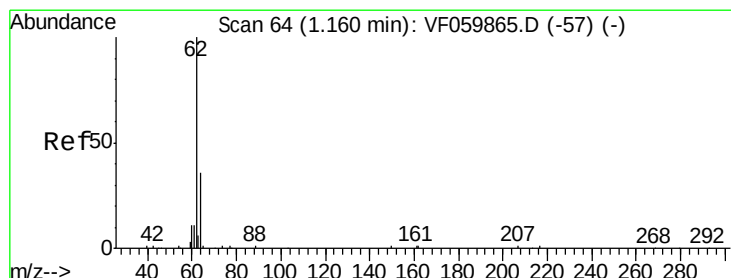
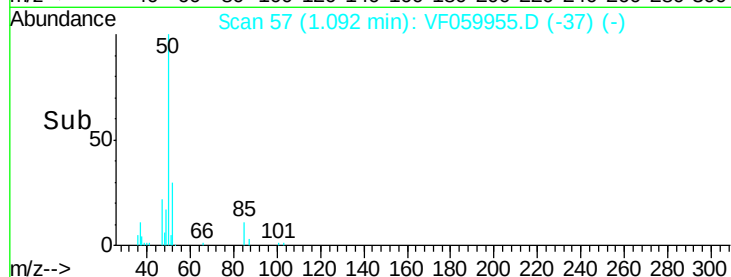
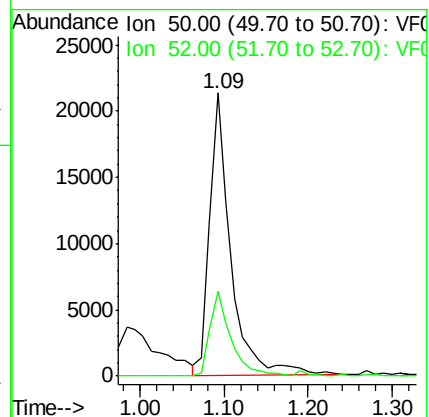
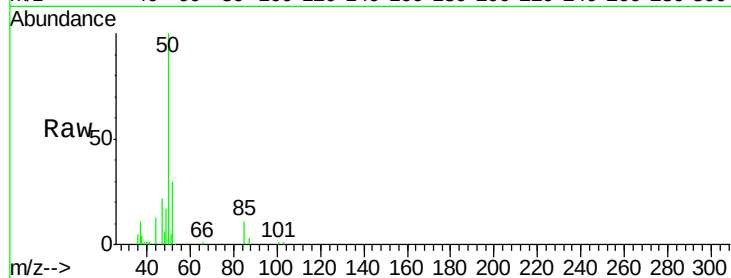
VSTDICCC050

Tot Ion: 50 Resp: 36671

Ion Ratio Lower Upper

50 100

52 30.2 24.2 36.2



#4

Vinyl Chloride

Concen: 45.74 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059955.D

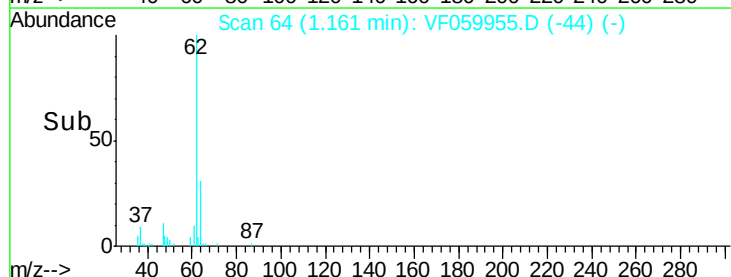
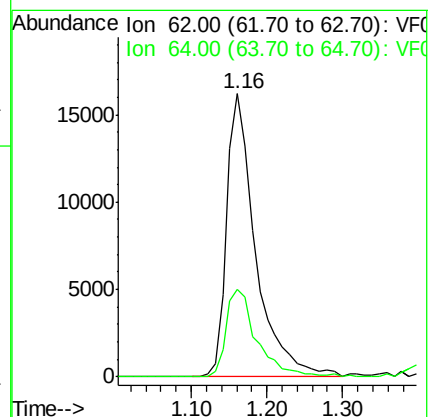
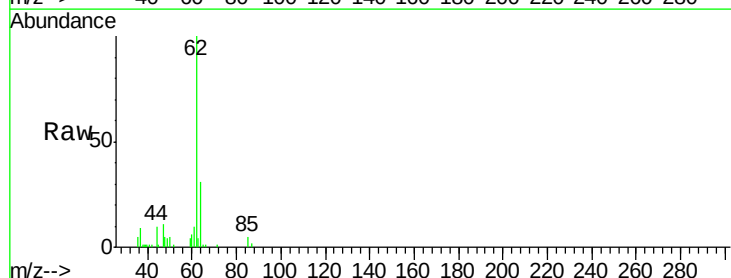
Acq: 14 Aug 2018 20:05

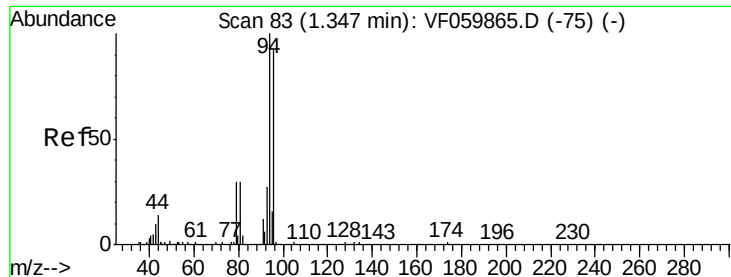
Tgt Ion: 62 Resp: 43149

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 41.76 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

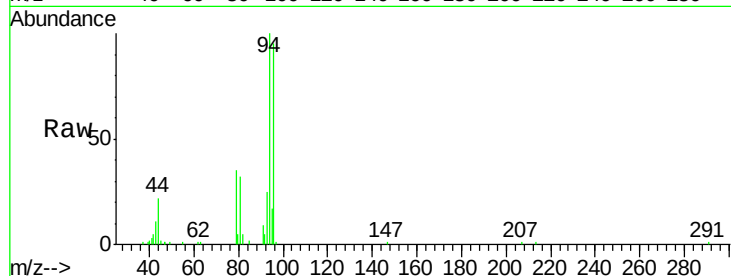
VSTDICCC050

Tot Ion: 94 Resp: 36908

Ion Ratio Lower Upper

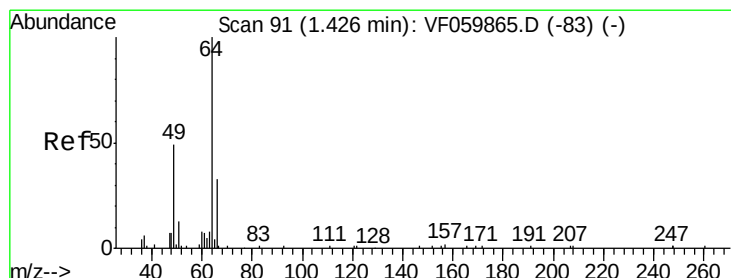
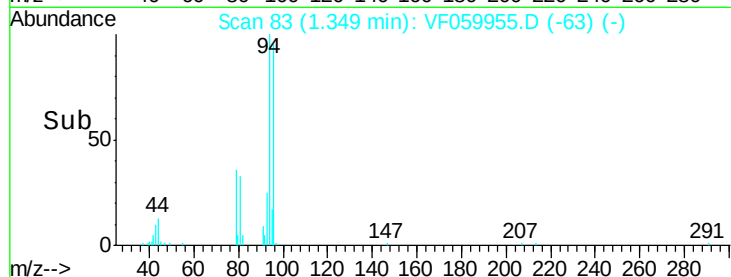
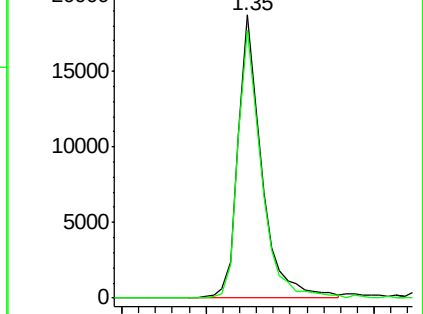
94 100

96 95.4 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VF059865.D (-75) (-)

Ion 96.00 (95.70 to 96.70): VF059865.D (-75) (-)



#6

Chloroethane

Concen: 45.80 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059955.D

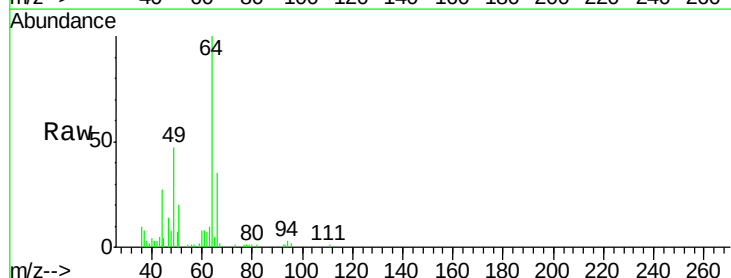
Acq: 14 Aug 2018 20:05

Tgt Ion: 64 Resp: 27071

Ion Ratio Lower Upper

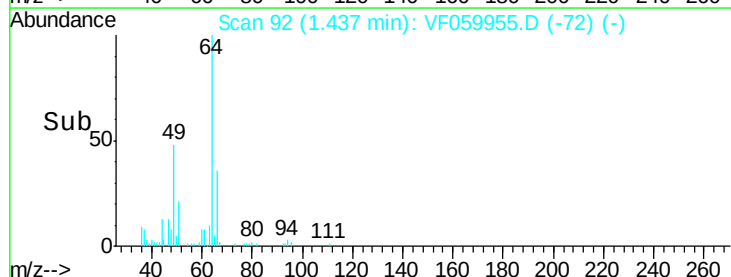
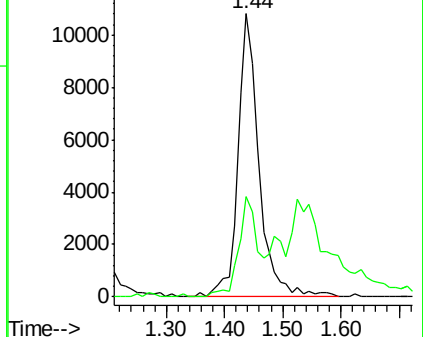
64 100

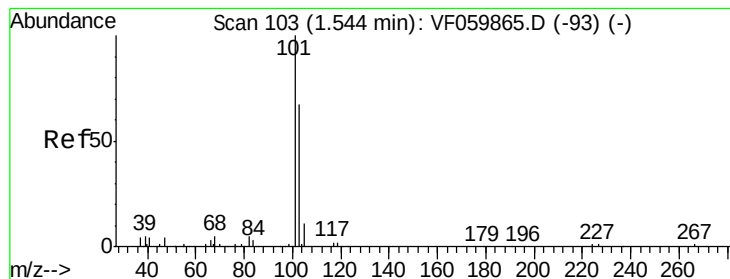
66 35.2 28.2 42.2



Abundance Ion 64.00 (63.70 to 64.70): VF059865.D (-83) (-)

Ion 66.00 (65.70 to 66.70): VF059865.D (-83) (-)



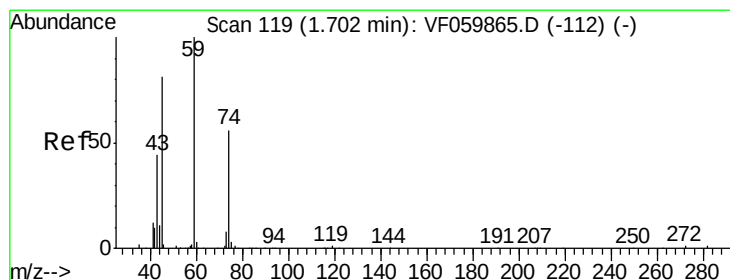
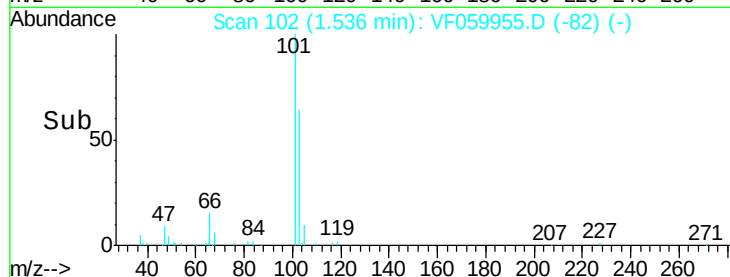
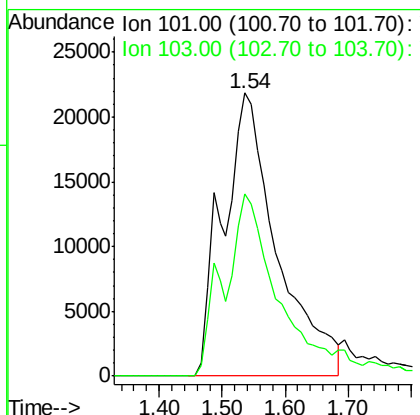
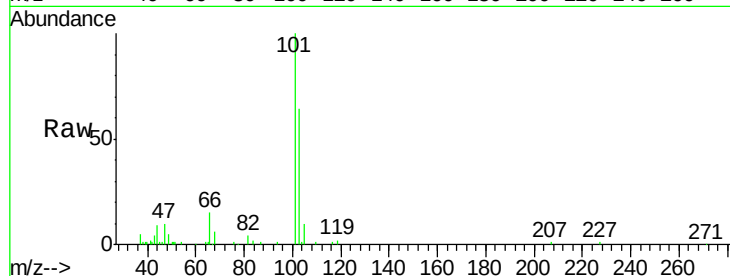


#7

Trichlorofluoromethane
 Concen: 49.98 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

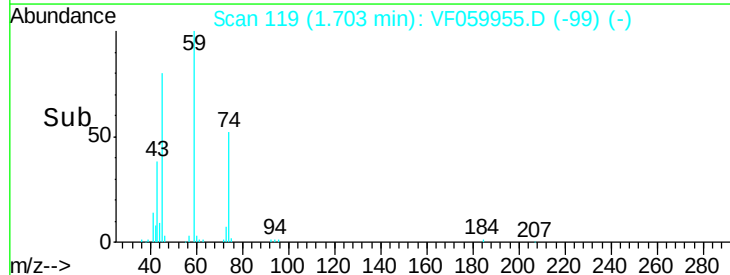
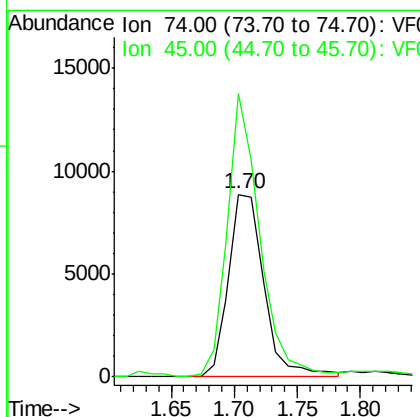
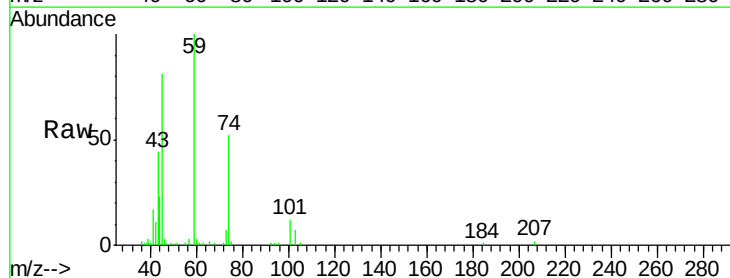
Tot Ion:101 Resp: 130264
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4

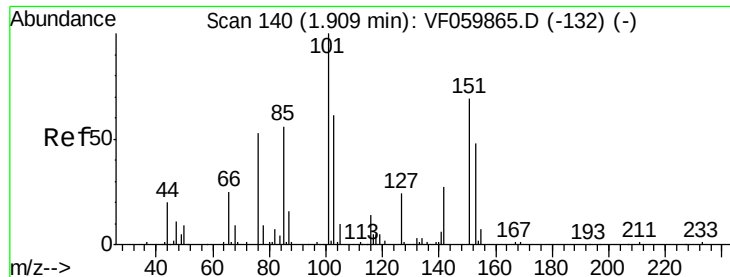


#8

Diethyl Ether
 Concen: 42.53 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion: 74 Resp: 17318
 Ion Ratio Lower Upper
 74 100
 45 155.1 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.57 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

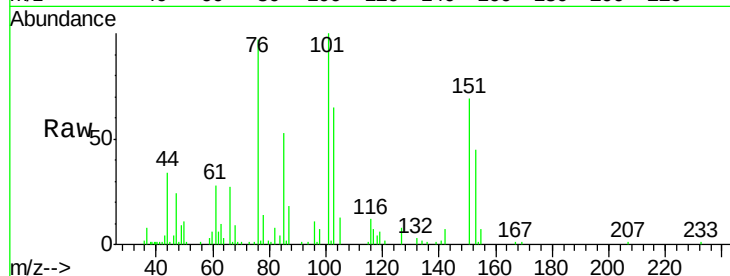
Tot Ion:101 Resp: 61823

Ion Ratio Lower Upper

101 100

85 52.6 42.1 63.1

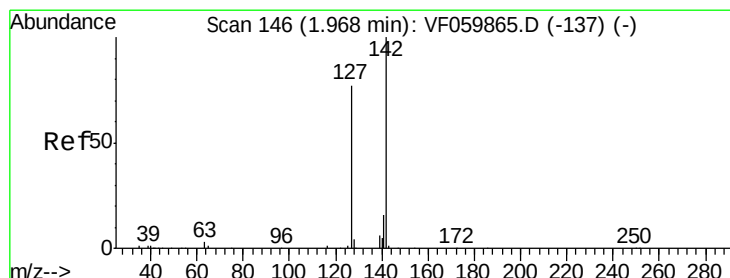
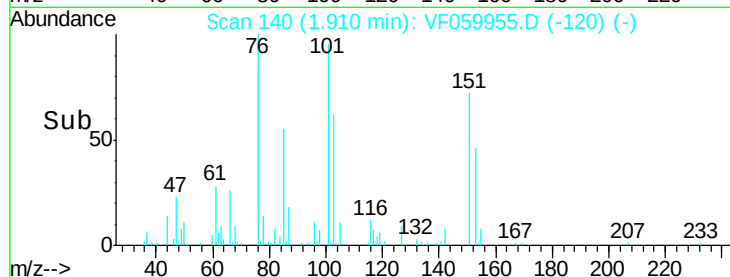
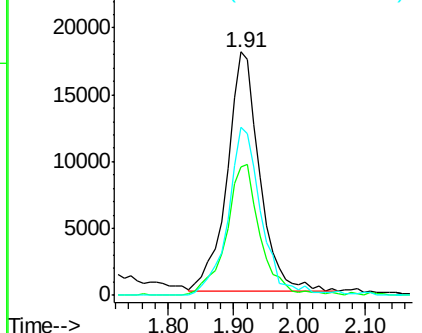
151 69.2 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70):

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70):



#10

Methyl Iodide

Concen: 43.69 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

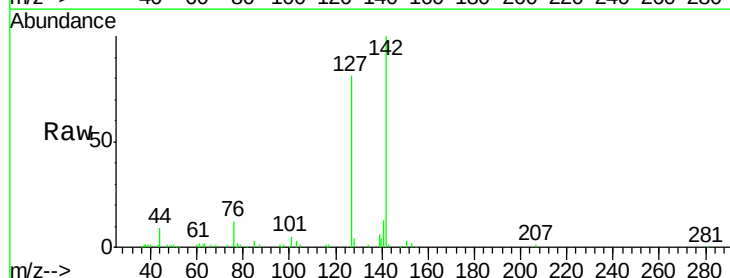
Tgt Ion:142 Resp: 94863

Ion Ratio Lower Upper

142 100

127 80.6 64.5 96.7

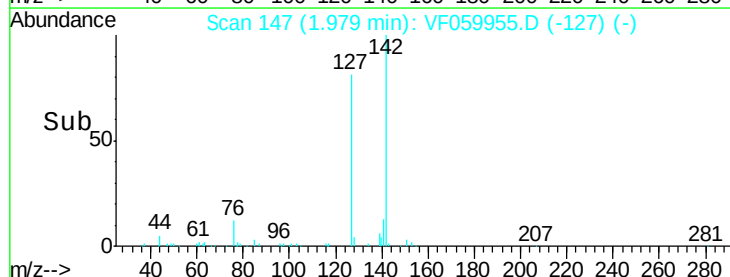
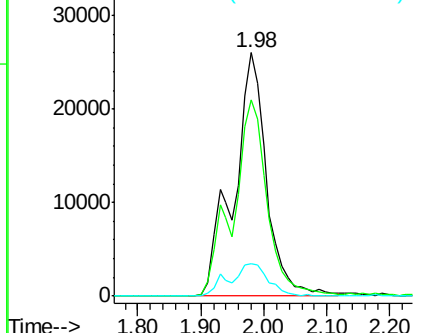
141 13.5 10.8 16.2

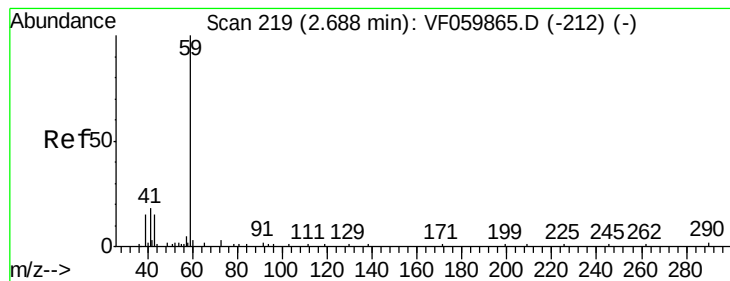


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):



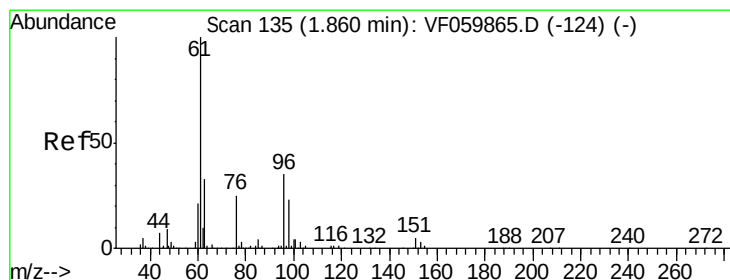
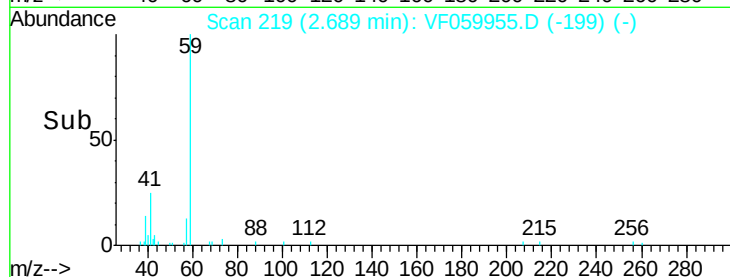
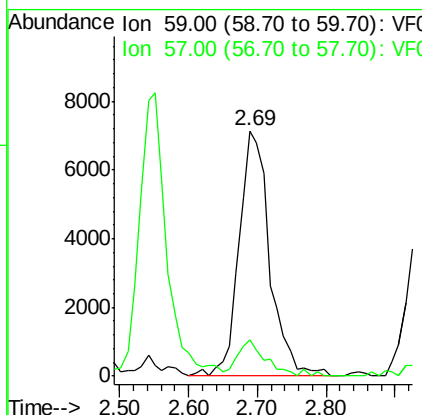
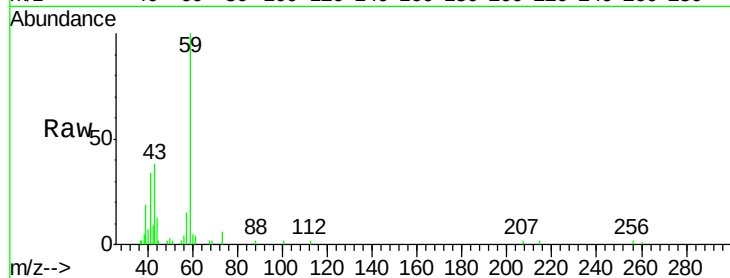


#11

Tert butyl alcohol
 Concen: 253.85 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

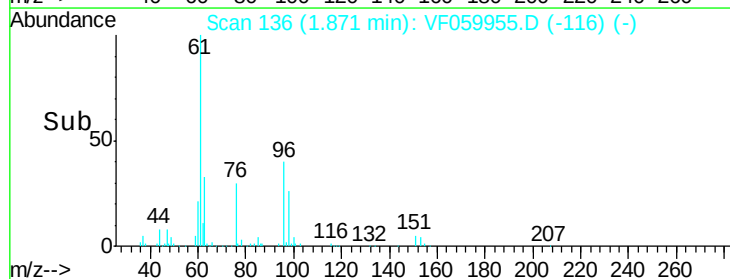
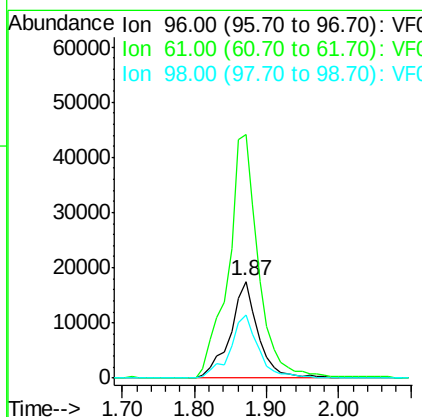
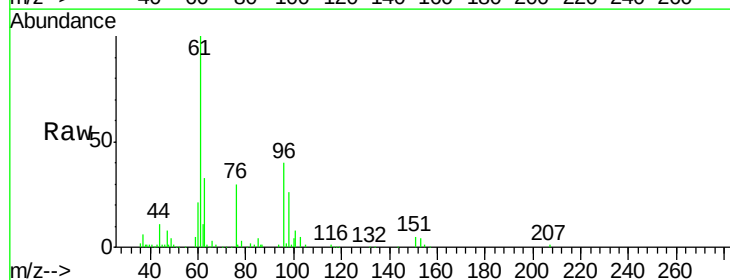
Tot Ion: 59 Resp: 22020
 Ion Ratio Lower Upper
 59 100
 57 15.0 12.0 18.0

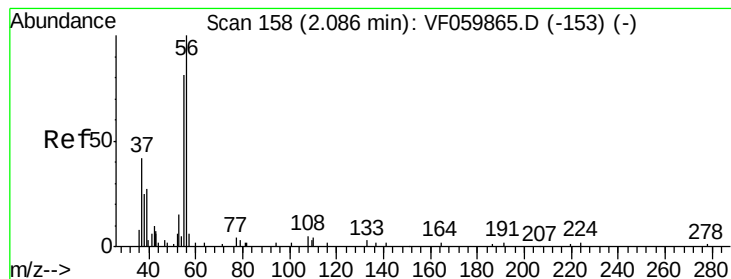


#12

1,1-Dichloroethene
 Concen: 45.50 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion: 96 Resp: 47299
 Ion Ratio Lower Upper
 96 100
 61 251.2 201.0 301.4
 98 64.9 51.9 77.9





#13

Acrolein

Concen: 245.95 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

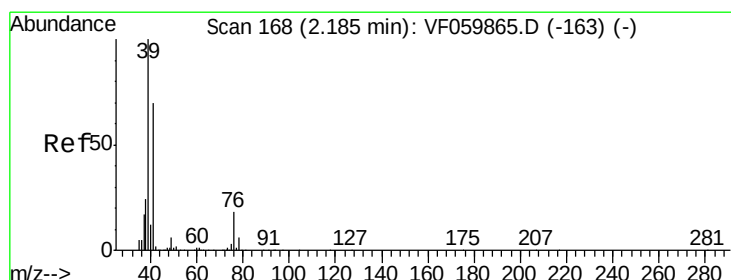
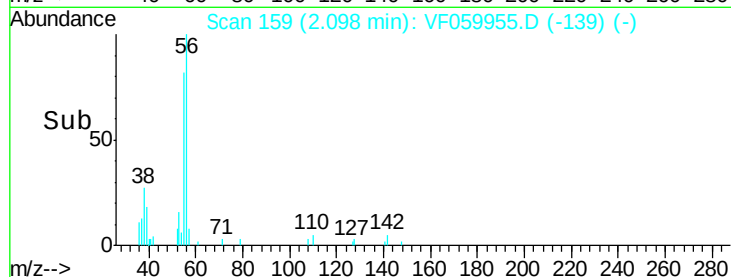
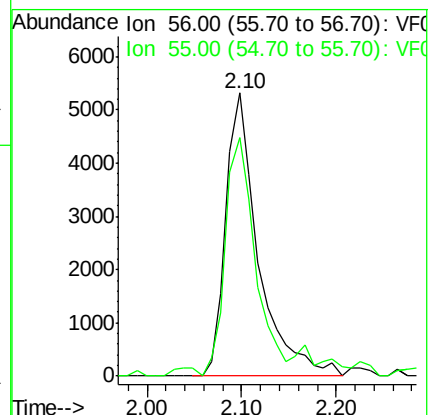
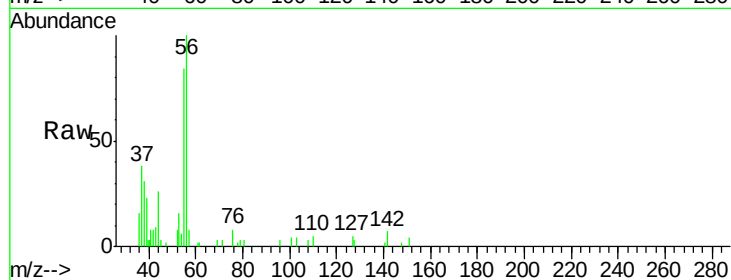
VSTDICCC050

Tot Ion: 56 Resp: 12679

Ion Ratio Lower Upper

56 100

55 84.3 67.4 101.2



#14

Allyl chloride

Concen: 35.51 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

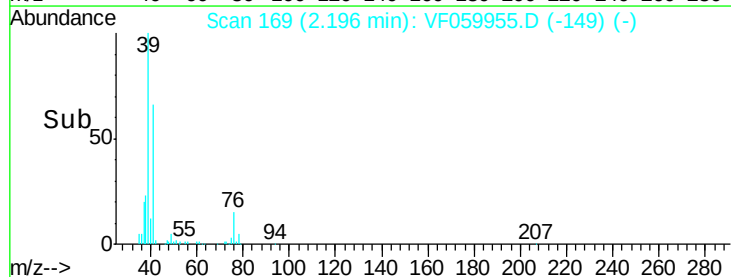
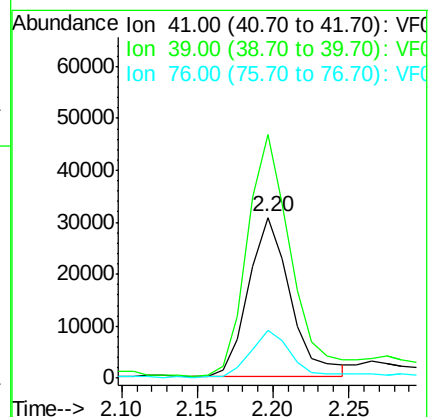
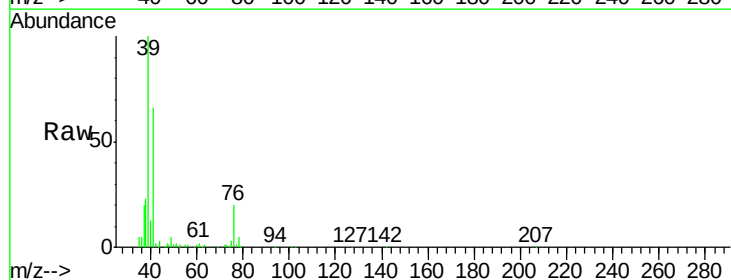
Tgt Ion: 41 Resp: 59249

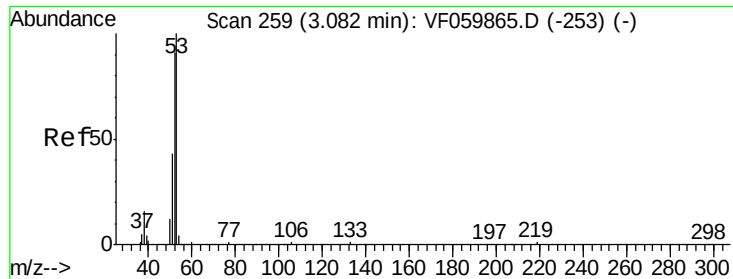
Ion Ratio Lower Upper

41 100

39 151.2 121.0 181.4

76 29.5 23.6 35.4





#15

Acrylonitrile

Concen: 211.45 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

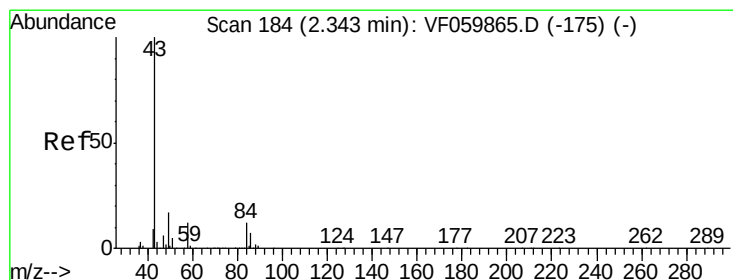
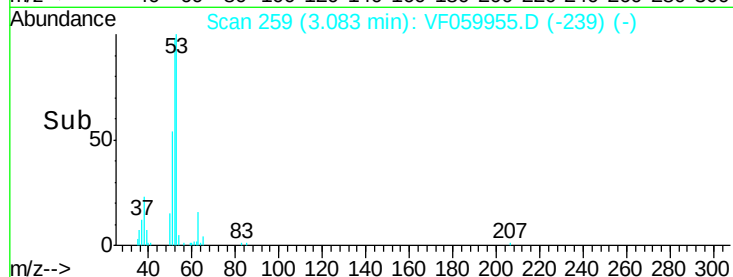
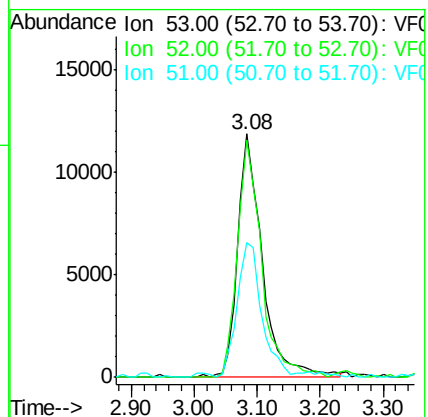
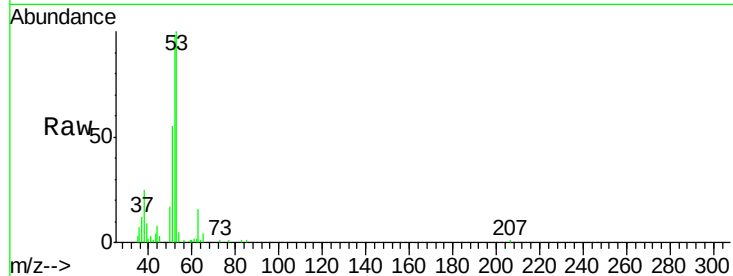
MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 32039

Ion	Ratio	Lower	Upper
53	100		
52	97.6	78.1	117.1
51	55.3	44.2	66.4



#16

Acetone

Concen: 246.44 ug/l

RT: 2.34 min Scan# 184

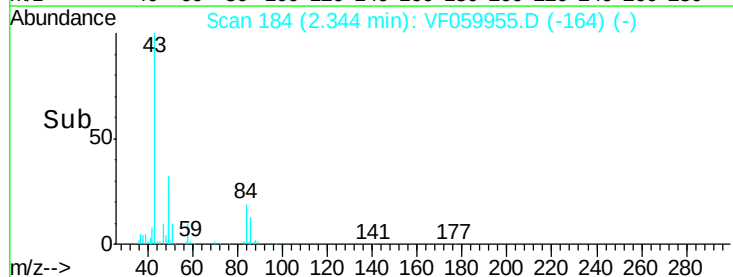
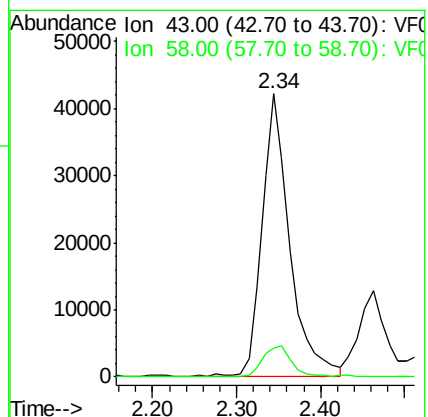
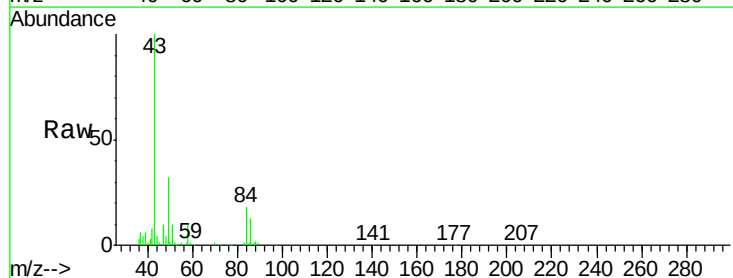
Delta R.T. 0.00 min

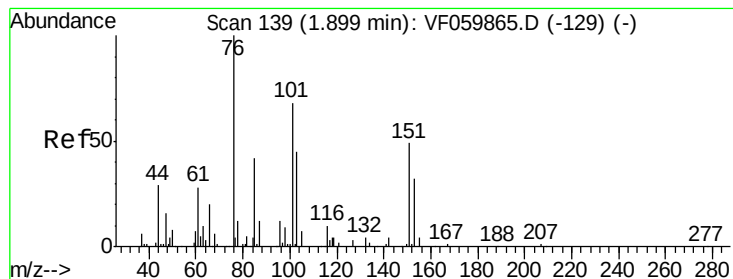
Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion: 43 Resp: 96946

Ion	Ratio	Lower	Upper
43	100		
58	10.1	8.1	12.1





#17

Carbon Disulfide

Concen: 40.89 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

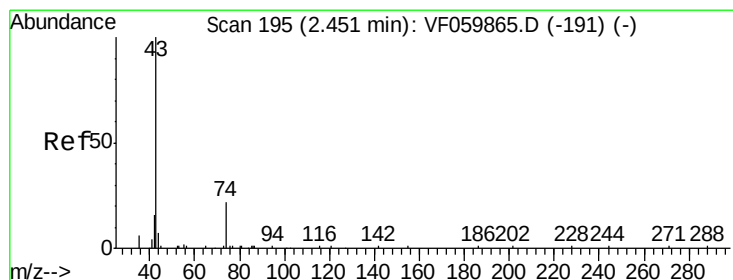
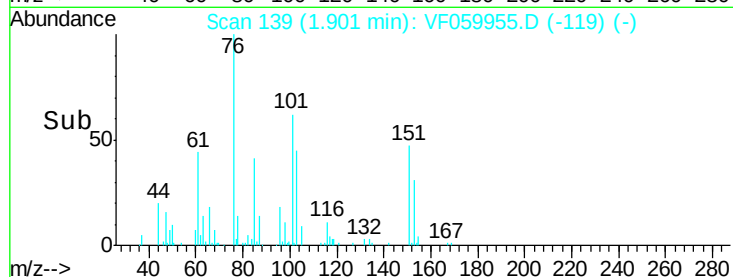
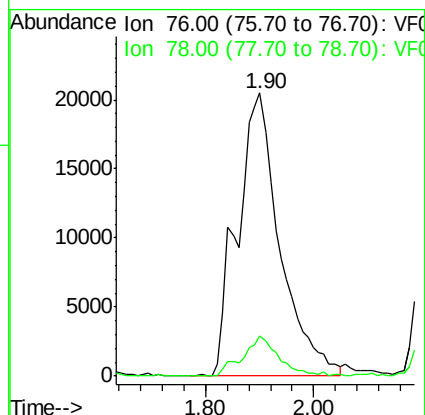
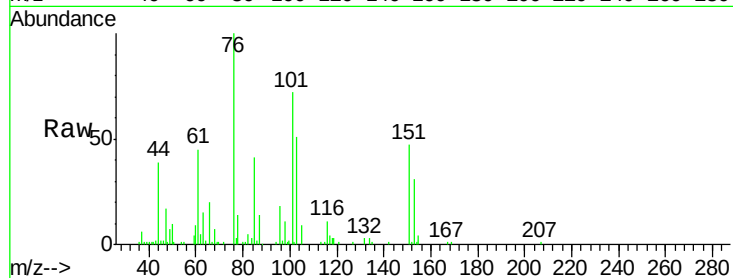
VSTDICCC050

Tot Ion: 76 Resp: 111768

Ion Ratio Lower Upper

76 100

78 14.2 11.4 17.0



#18

Methyl Acetate

Concen: 39.63 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF059955.D

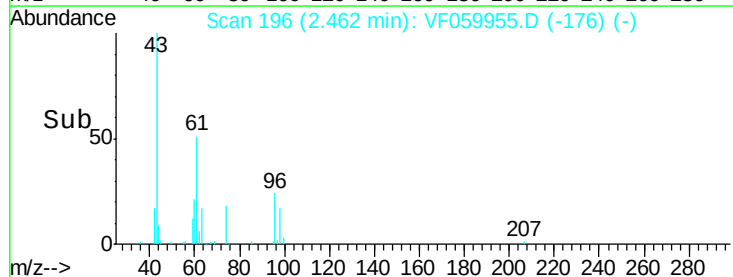
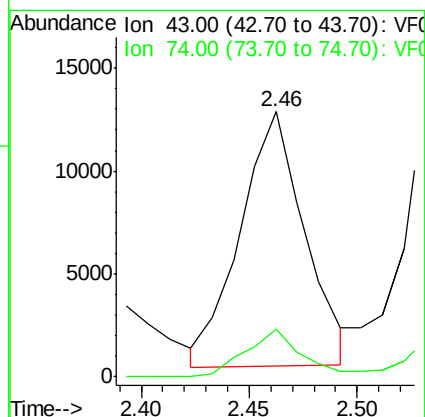
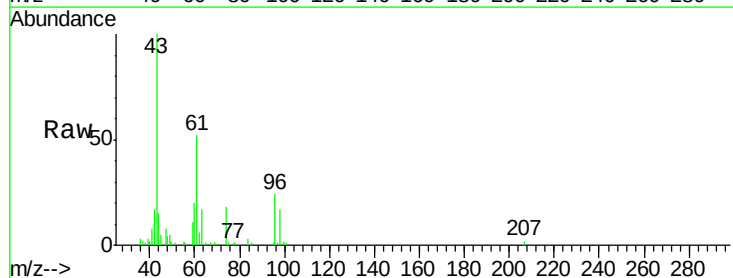
Acq: 14 Aug 2018 20:05

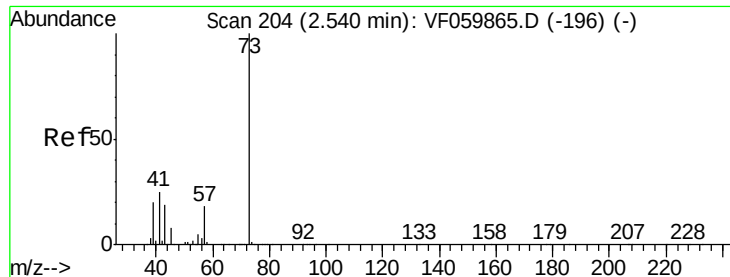
Tgt Ion: 43 Resp: 25654

Ion Ratio Lower Upper

43 100

74 17.9 14.3 21.5



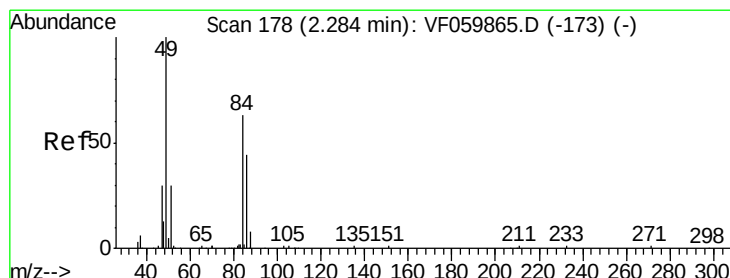
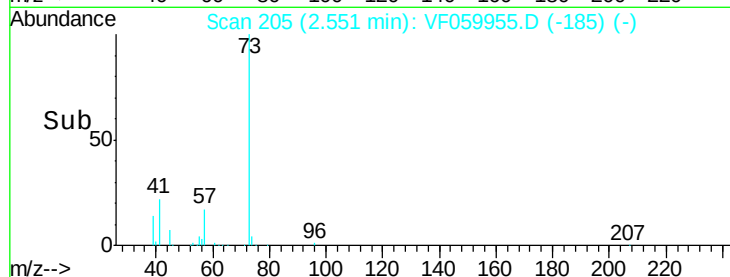
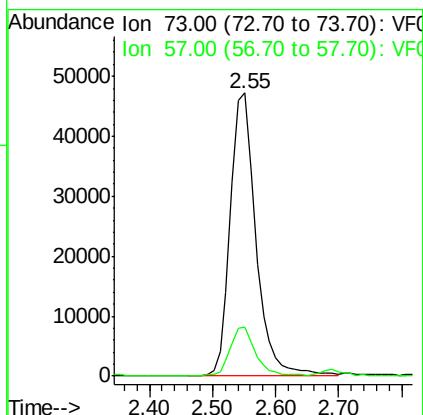
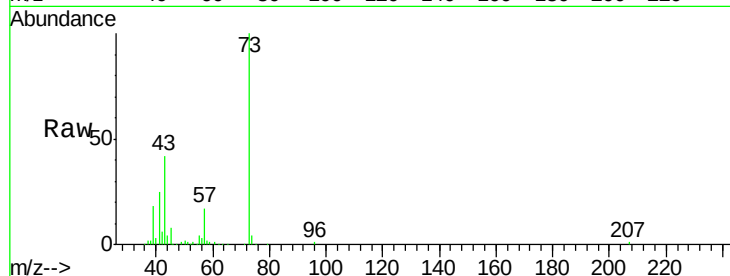


#19

Methyl tert-butyl Ether
 Concen: 45.19 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

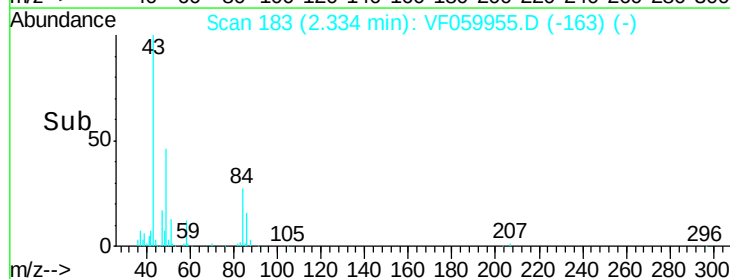
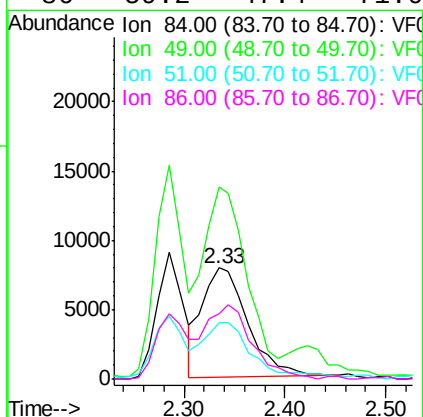
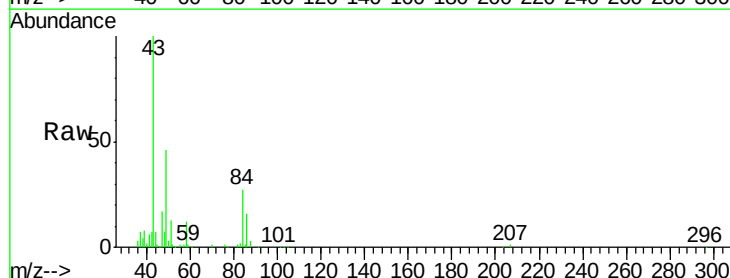
Tot Ion: 73 Resp: 133076
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.0 21.0

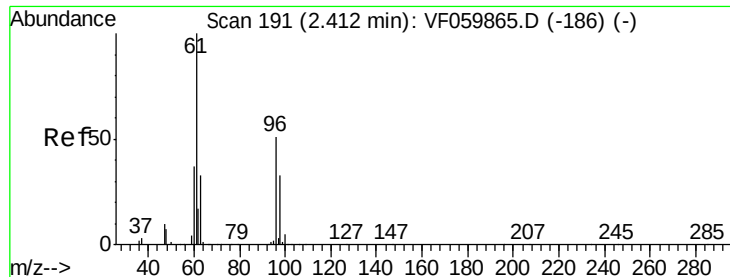


#20

Methylene Chloride
 Concen: 27.91 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion: 84 Resp: 25000
 Ion Ratio Lower Upper
 84 100
 49 173.2 138.6 207.8
 51 50.3 40.2 60.4
 86 59.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 43.49 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

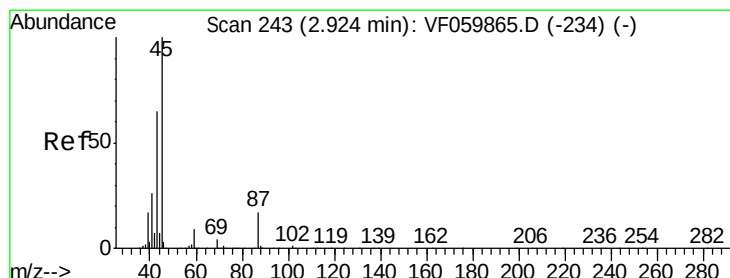
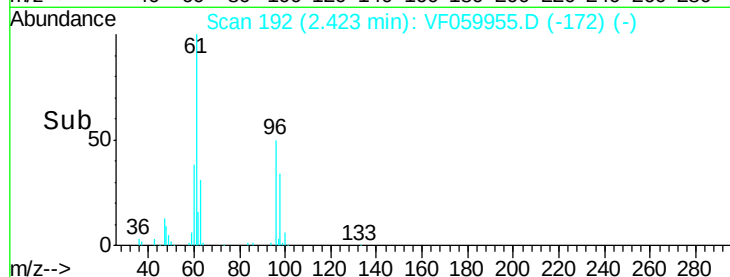
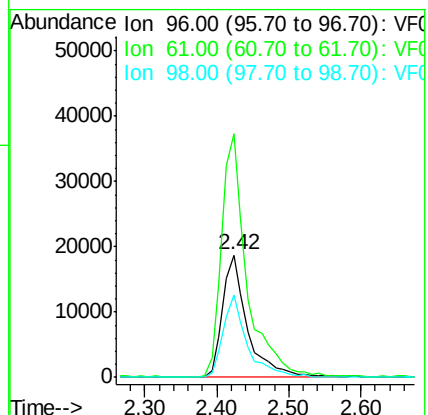
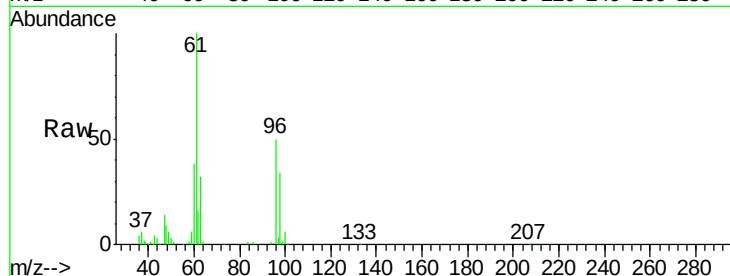
Tot Ion: 96 Resp: 44686

Ion Ratio Lower Upper

96 100

61 199.4 159.5 239.3

98 67.2 53.8 80.6



#22

Diisopropyl ether

Concen: 46.22 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion: 45 Resp: 153912

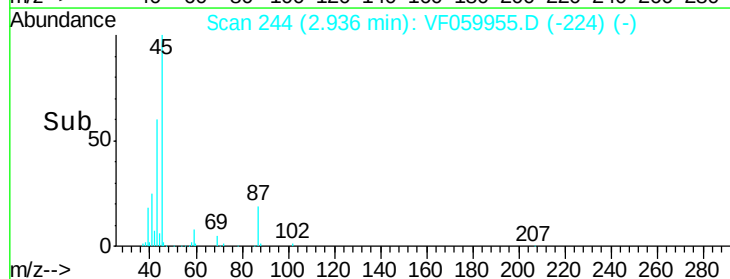
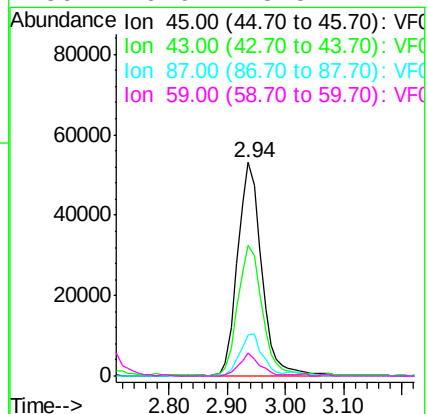
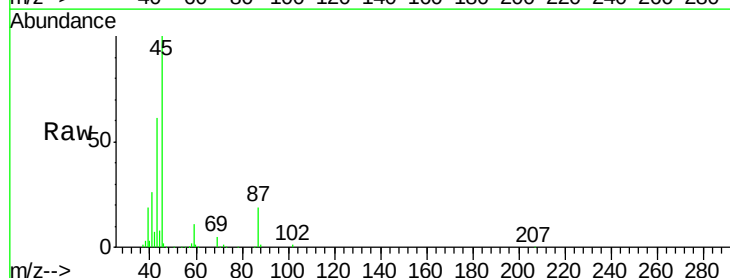
Ion Ratio Lower Upper

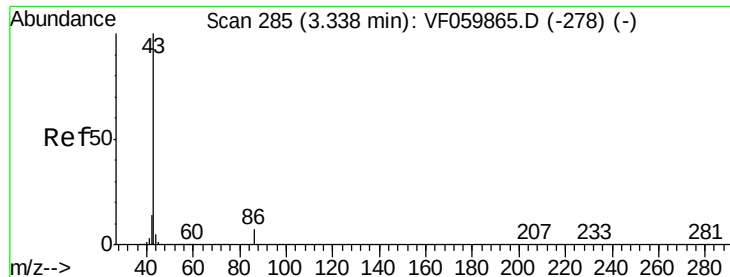
45 100

43 60.9 48.7 73.1

87 19.1 15.3 22.9

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 249.35 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

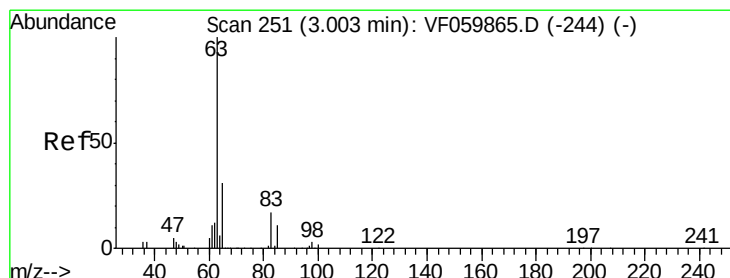
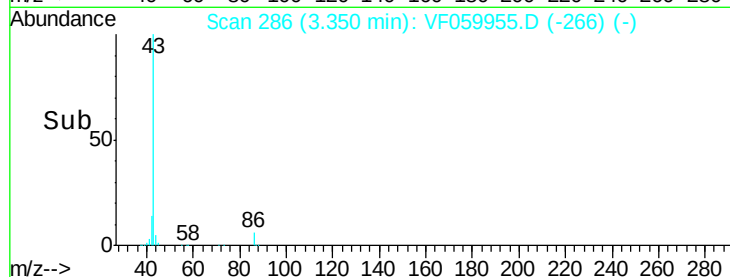
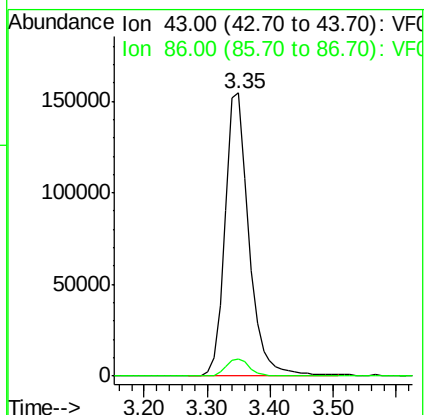
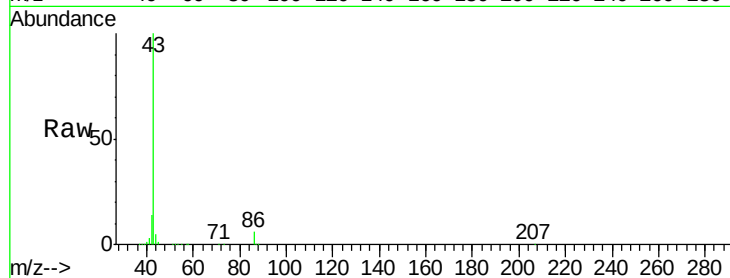
VSTDICCC050

Tot Ion: 43 Resp: 404240

Ion Ratio Lower Upper

43 100

86 6.1 4.9 7.3



#24

1,1-Dichloroethane

Concen: 44.90 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

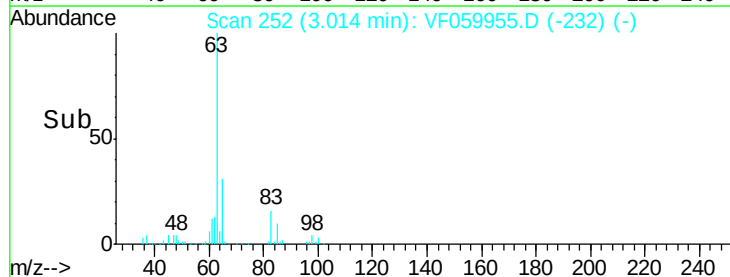
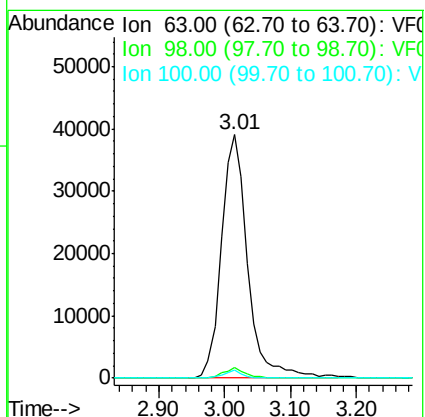
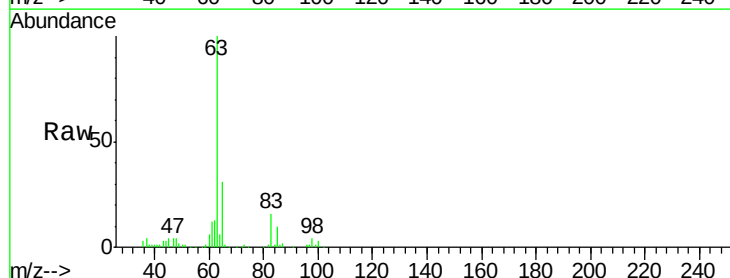
Tgt Ion: 63 Resp: 108605

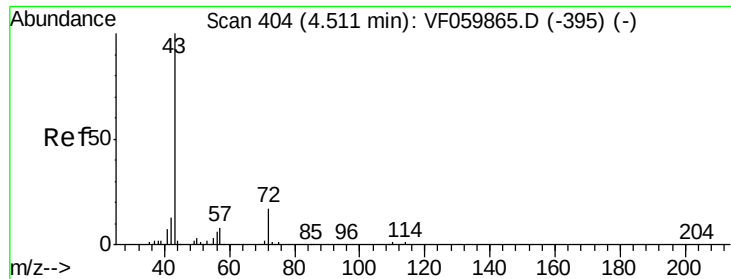
Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 233.49 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

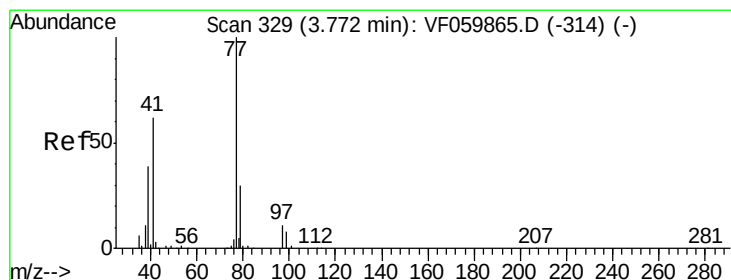
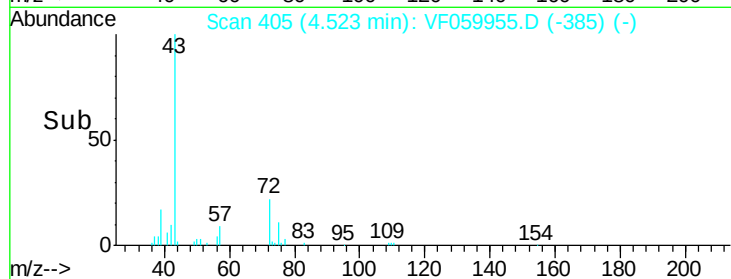
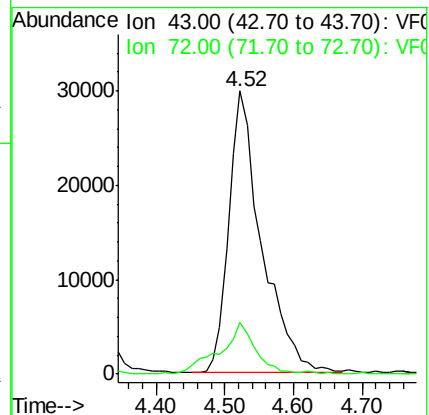
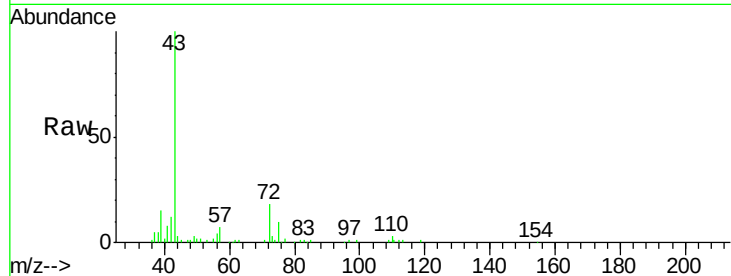
VSTDICCC050

Tot Ion: 43 Resp: 98570

Ion Ratio Lower Upper

43 100

72 18.3 14.6 22.0



#26

2,2-Dichloropropane

Concen: 51.42 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059955.D

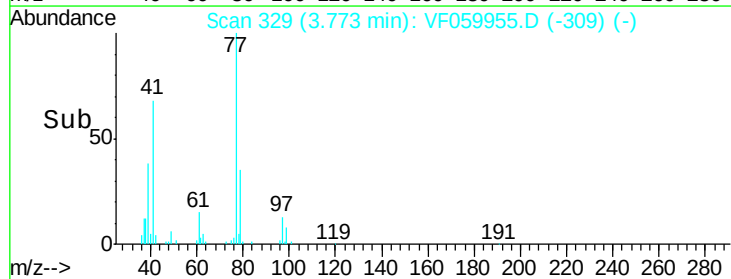
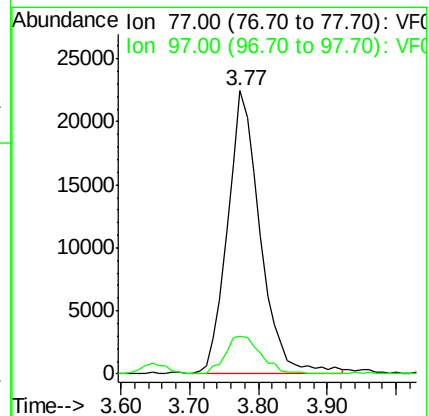
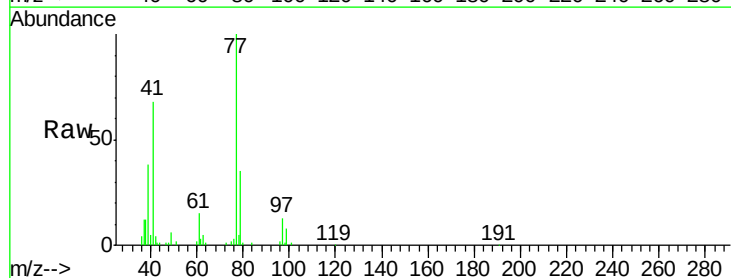
Acq: 14 Aug 2018 20:05

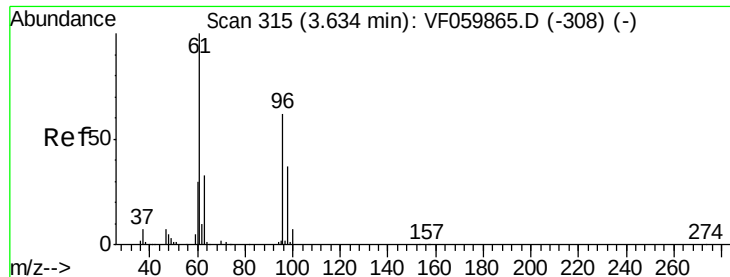
Tgt Ion: 77 Resp: 73877

Ion Ratio Lower Upper

77 100

97 13.1 6.6 19.7



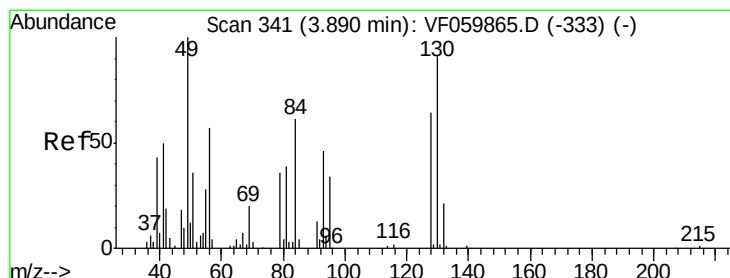
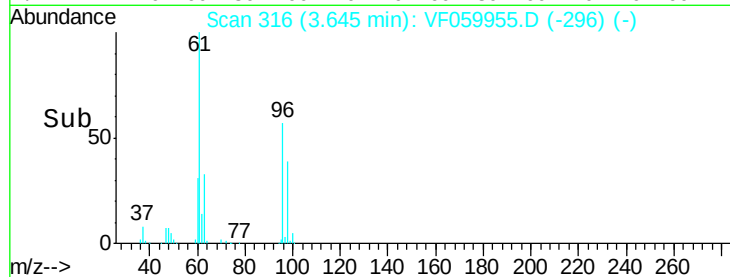
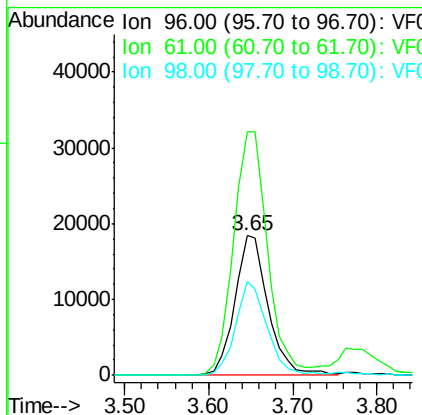
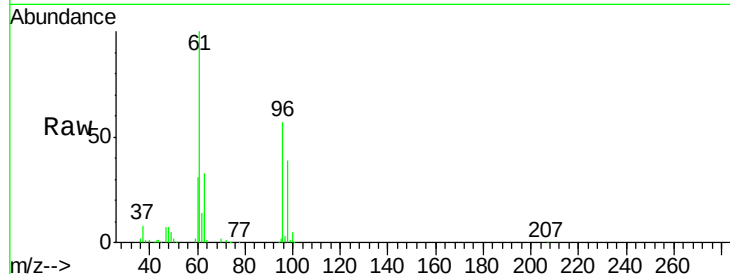


#27

cis-1,2-Dichloroethene
Concen: 44.58 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

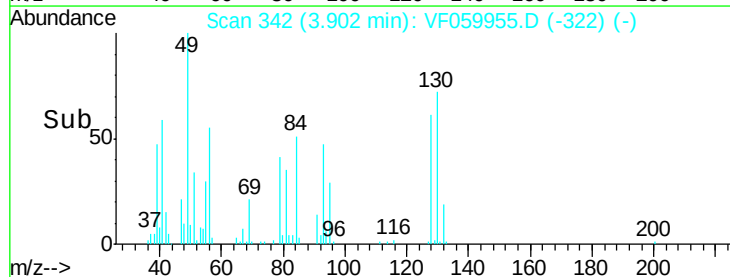
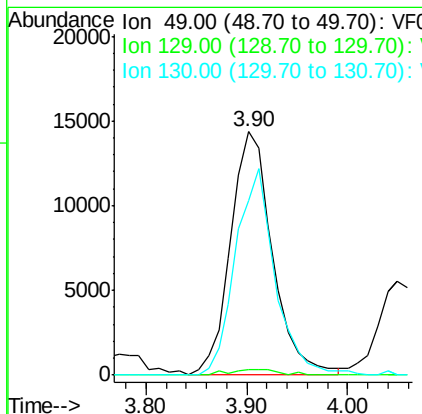
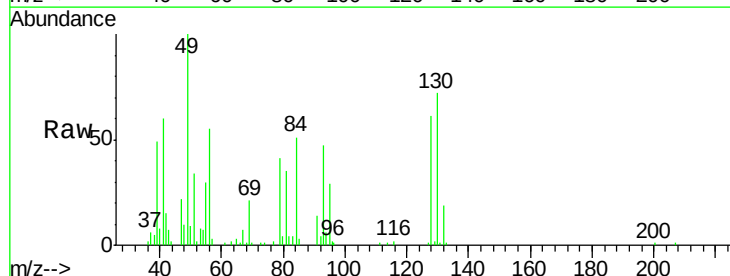
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	174.7	0.0	349.4	
98	67.3	0.0	134.6	

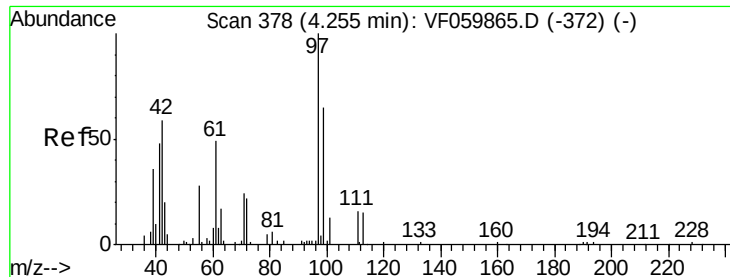


#28

Bromochloromethane
Concen: 48.10 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	72.6	58.1	87.1	

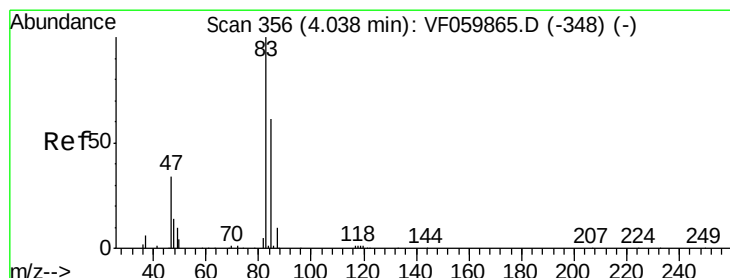
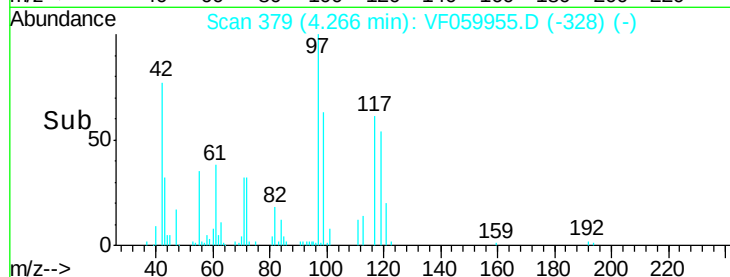
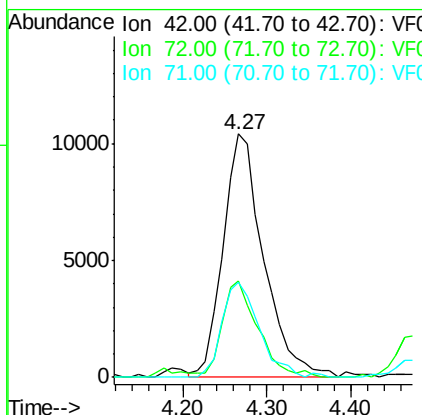
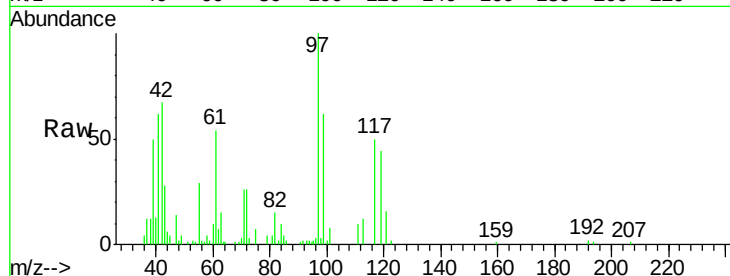




#29
Tetrahydrofuran
Concen: 225.47 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

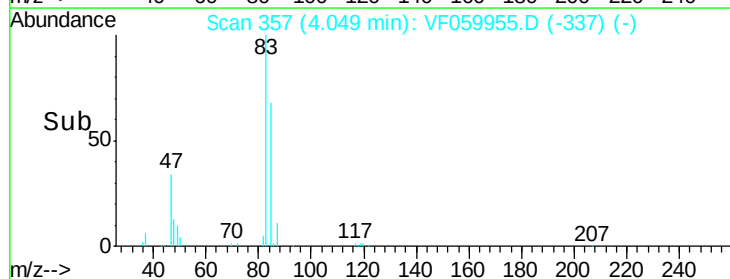
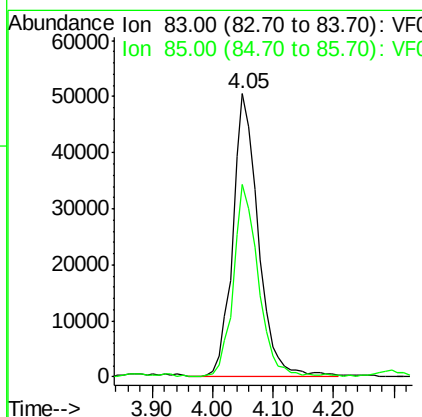
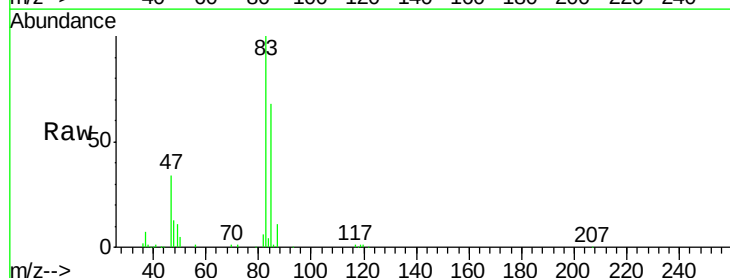
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

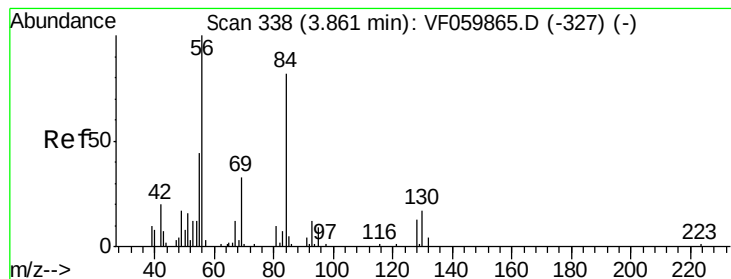
Tot Ion: 42 Resp: 35037
Ion Ratio Lower Upper
42 100
72 34.6 27.7 41.5
71 35.3 28.2 42.4



#30
Chloroform
Concen: 45.51 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 83 Resp: 149081
Ion Ratio Lower Upper
83 100
85 68.0 54.4 81.6





#31

Cyclohexane

Concen: 46.76 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

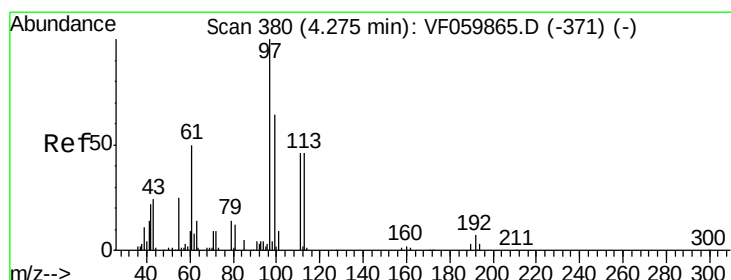
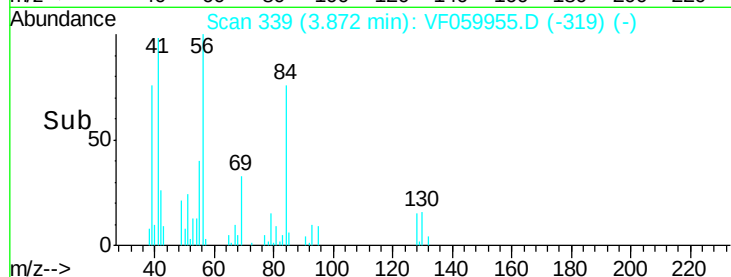
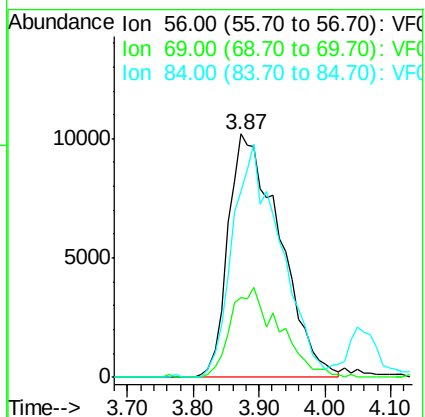
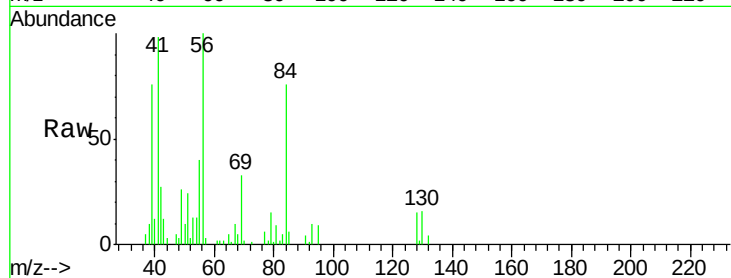
Tot Ion: 56 Resp: 55842

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

84 76.2 61.0 91.4



#32

1,1,1-Trichloroethane

Concen: 46.52 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

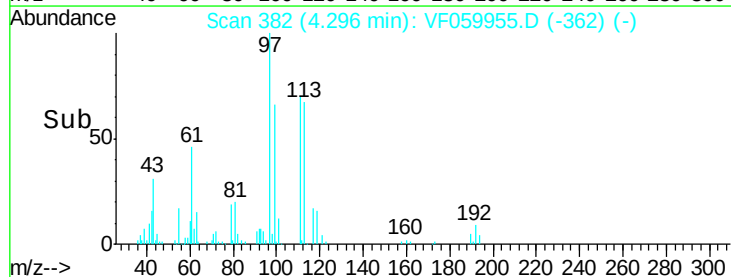
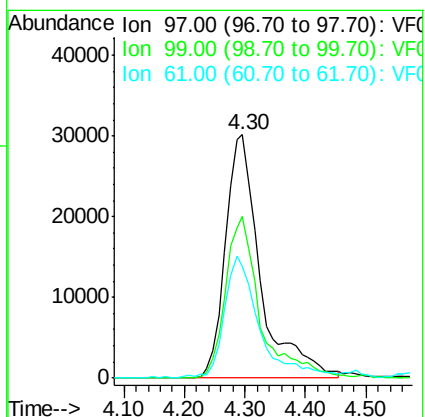
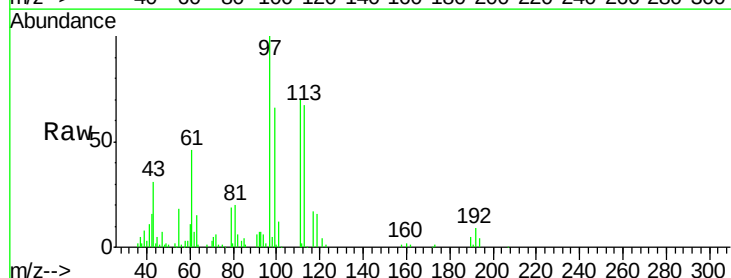
Tgt Ion: 97 Resp: 122045

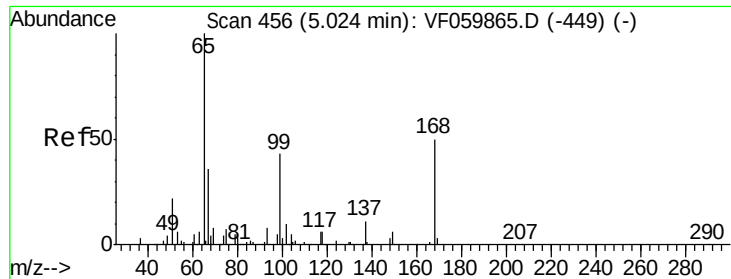
Ion Ratio Lower Upper

97 100

99 66.2 53.0 79.4

61 45.8 36.6 55.0

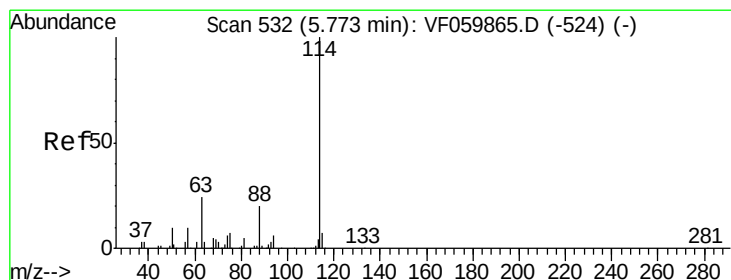
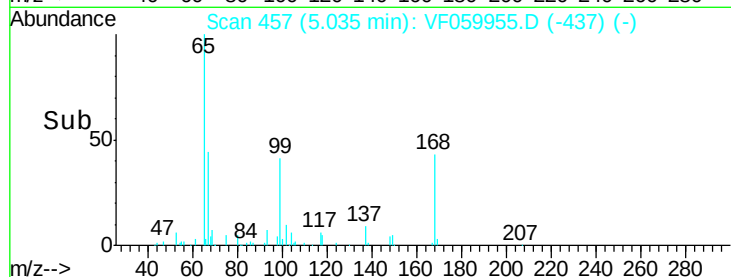
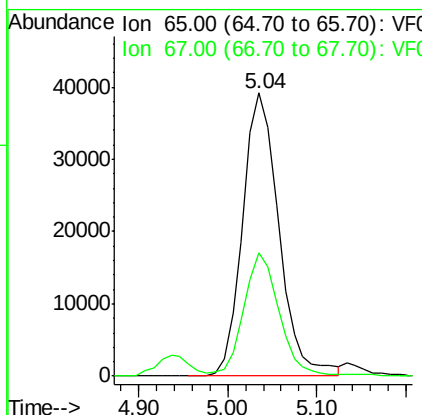
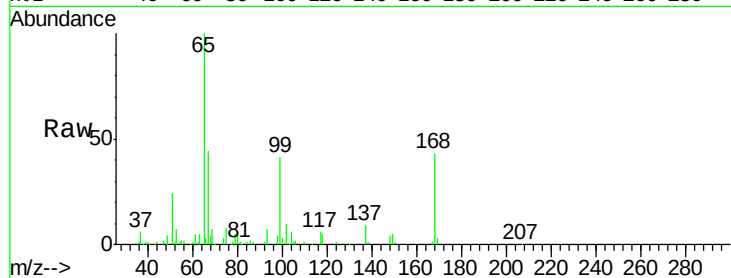




#33
 1,2-Dichloroethane-d4
 Concen: 52.15 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

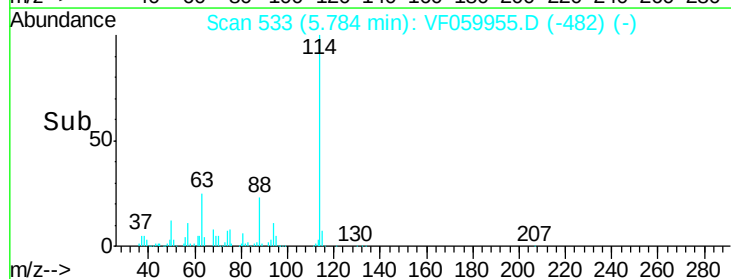
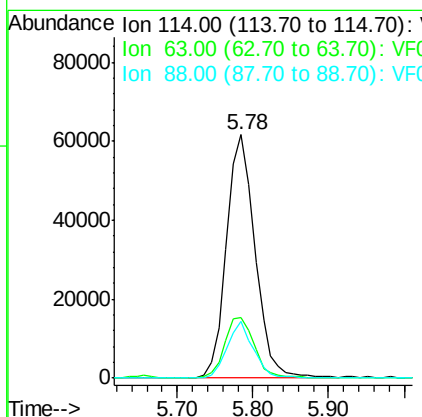
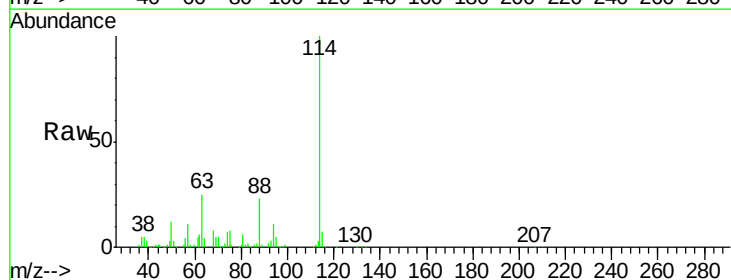
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

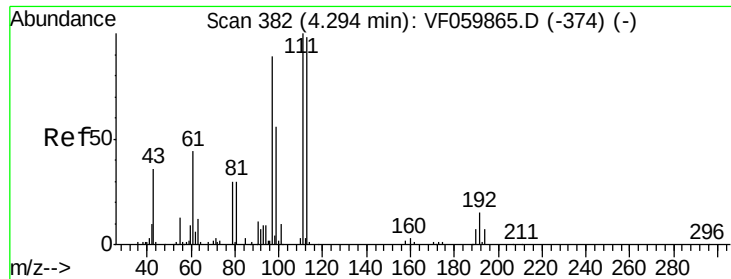
Tot Ion: 65 Resp: 110833
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion: 114 Resp: 161735
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 23.4 0.0 46.8





#35

Dibromofluoromethane

Concen: 49.95 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

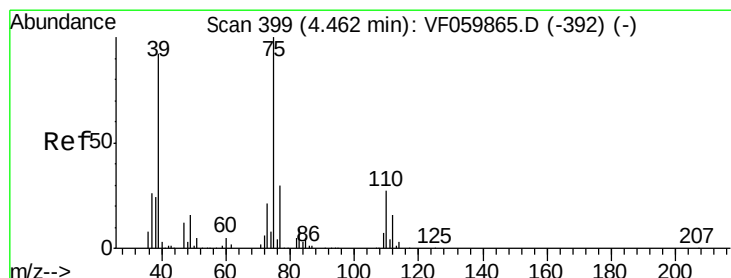
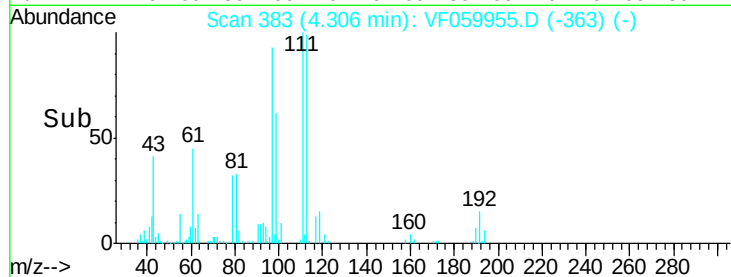
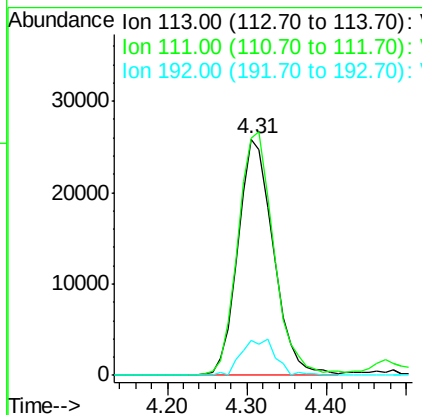
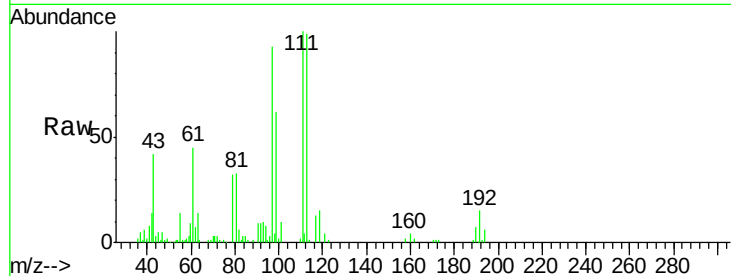
Tot Ion:113 Resp: 79786

Ion Ratio Lower Upper

113 100

111 100.8 80.6 121.0

192 14.6 11.7 17.5



#36

1,1-Dichloropropene

Concen: 48.76 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

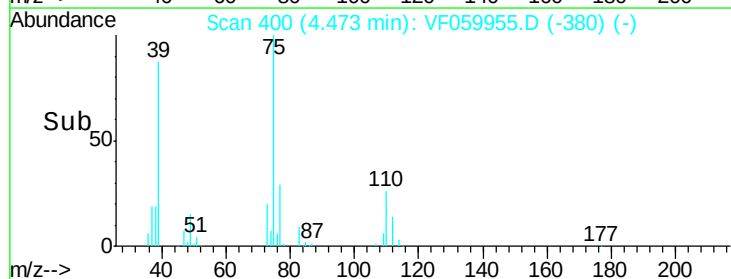
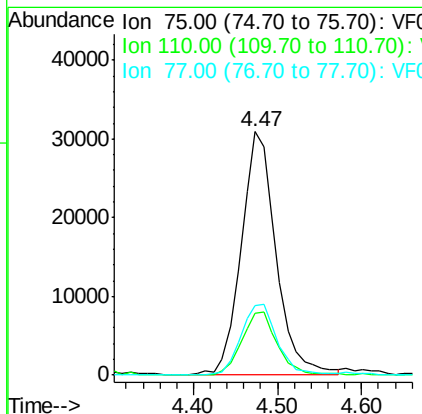
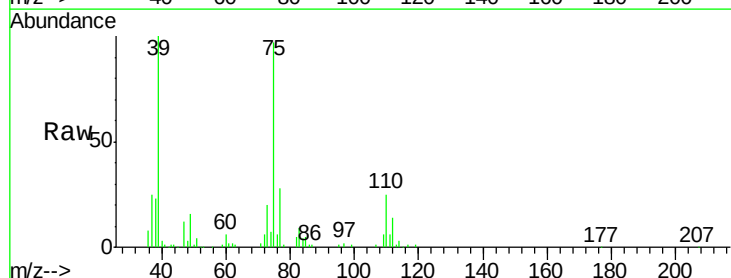
Tgt Ion: 75 Resp: 89528

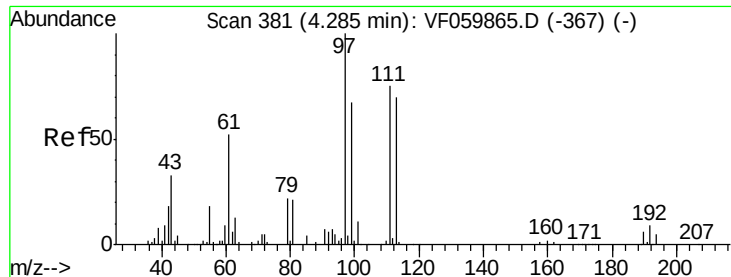
Ion Ratio Lower Upper

75 100

110 25.2 12.6 37.8

77 28.4 22.7 34.1

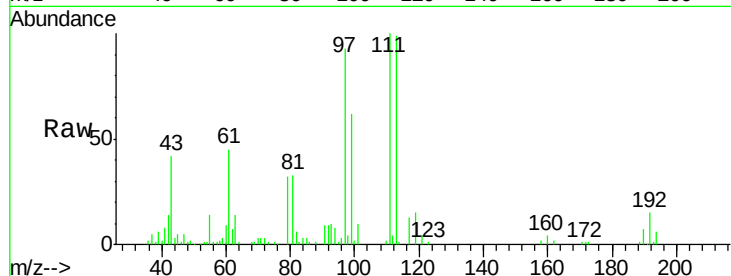




#37
Ethyl Acetate
Concen: 48.55 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	38247					
Ion	43	61	70	100	105.4	6.9
Ratio					84.3	5.5
Lower					126.5	8.3
Upper						

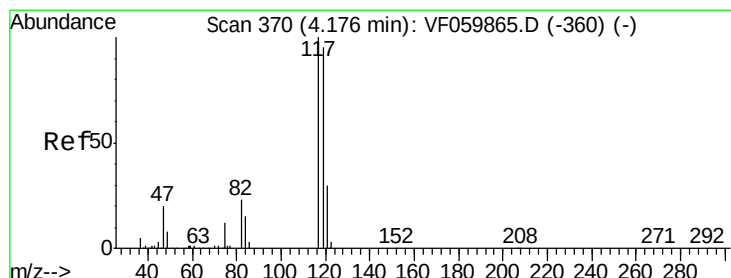
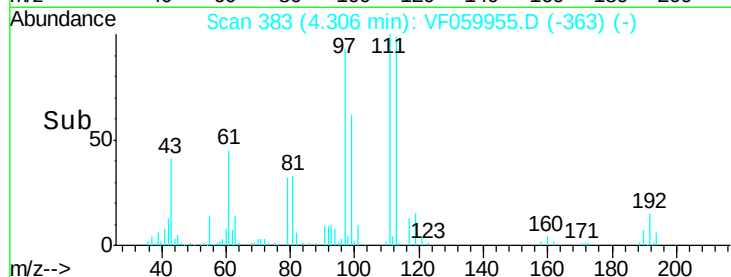
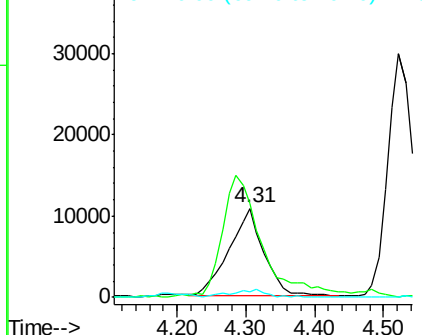


Abundance

Ion 43.00 (42.70 to 43.70): VF0

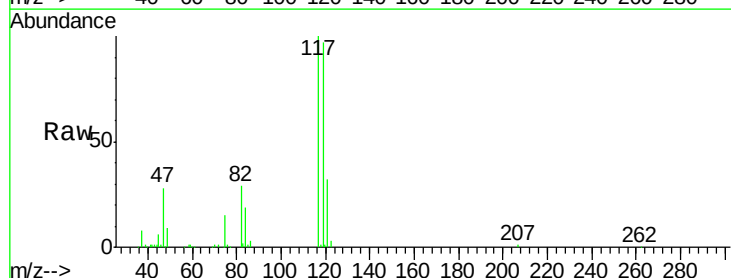
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 55.98 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	153283					
Ion	117	119	121	100	96.1	31.1
Ratio					76.9	24.9
Lower					115.3	37.3
Upper						

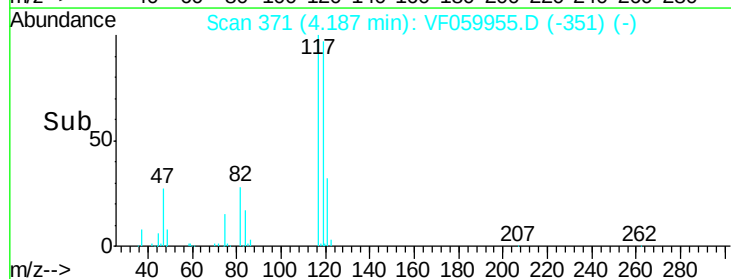
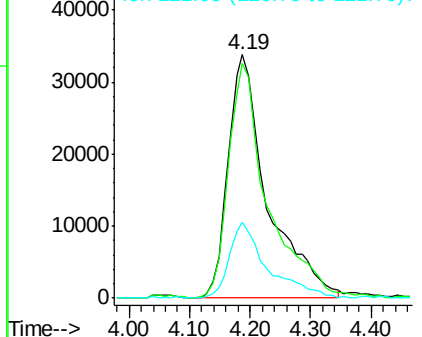


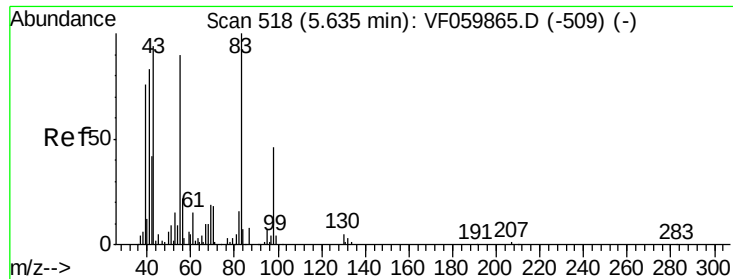
Abundance

Ion 117.00 (116.70 to 117.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

Ion 121.00 (120.70 to 121.70): VF0

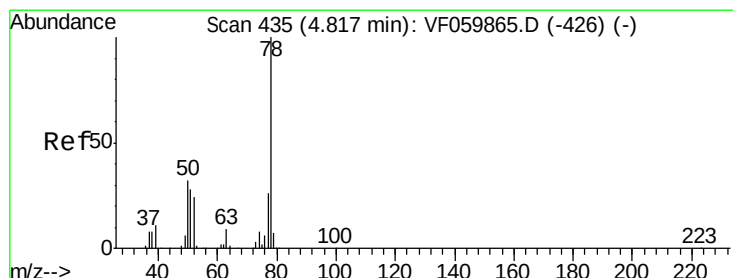
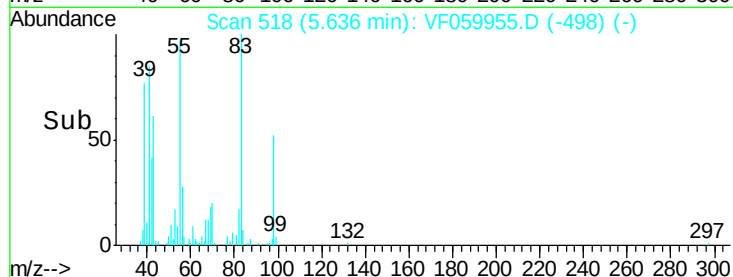
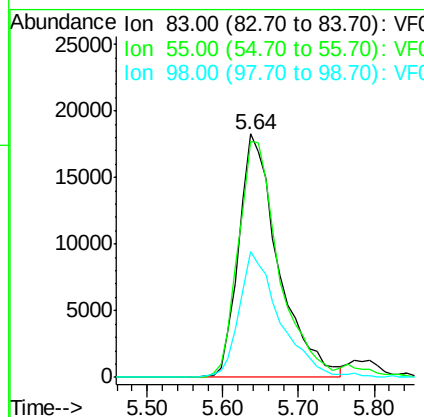
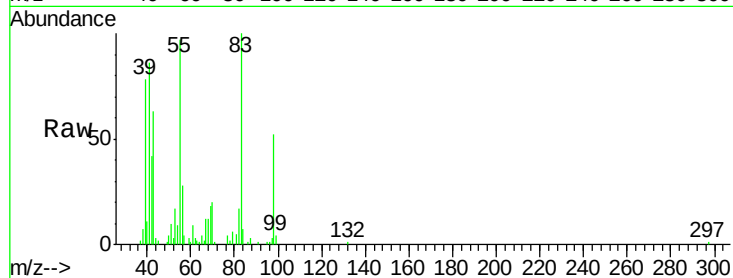




#39
Methylvlcyclohexane
Concen: 48.60 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

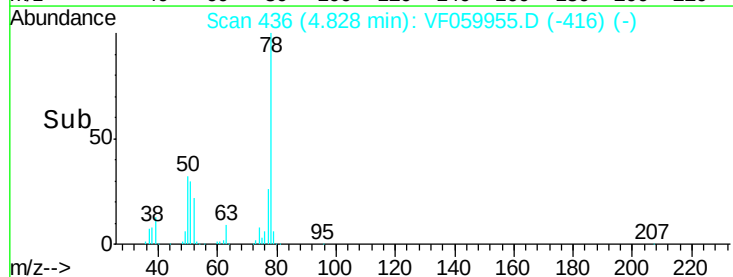
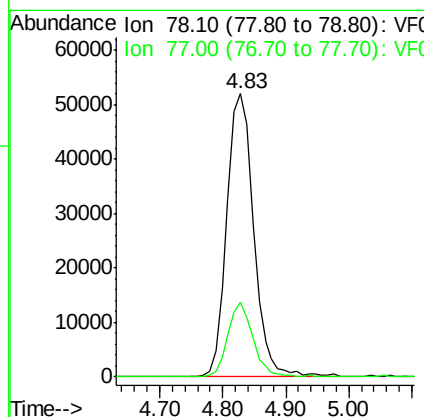
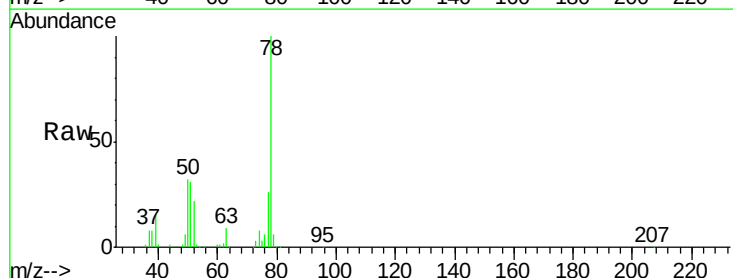
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

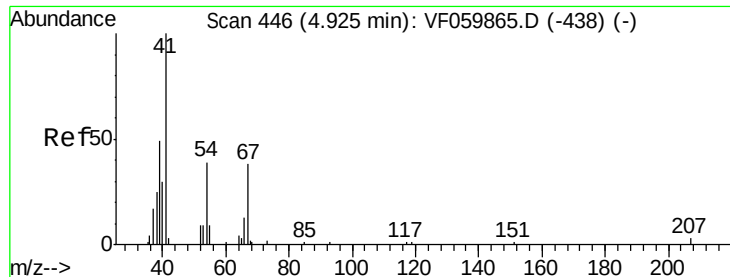
Tot Ion: 83 Resp: 66562
Ion Ratio Lower Upper
83 100
55 96.8 77.4 116.2
98 51.9 41.5 62.3



#40
Benzene
Concen: 48.62 ug/l
RT: 4.83 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 78 Resp: 154610
Ion Ratio Lower Upper
78 100
77 26.4 21.1 31.7





#41

Methacrylonitrile

Concen: 45.59 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 18798

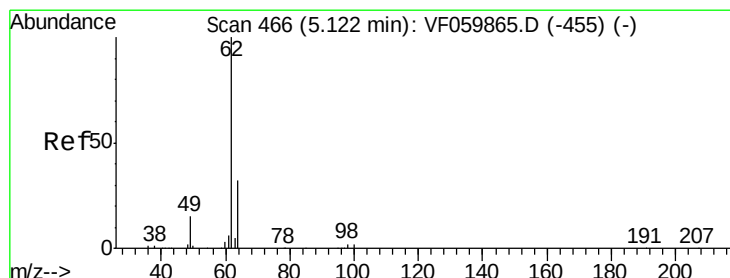
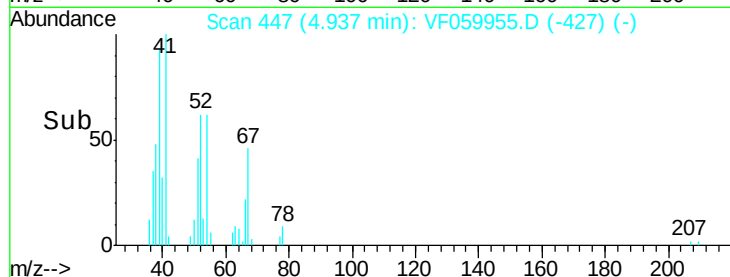
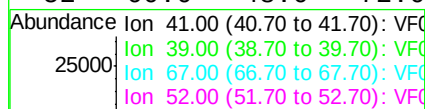
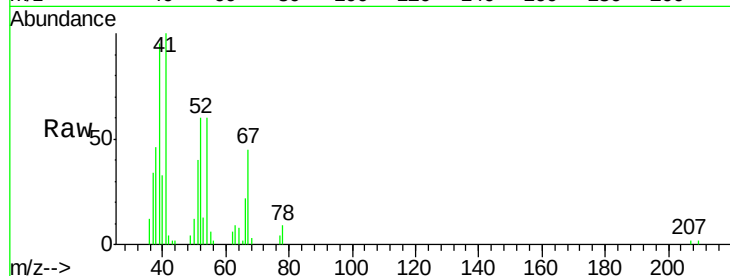
Ion Ratio Lower Upper

41 100

39 94.6 75.7 113.5

67 45.1 36.1 54.1

52 60.0 48.0 72.0



#42

1,2-Dichloroethane

Concen: 49.39 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF059955.D

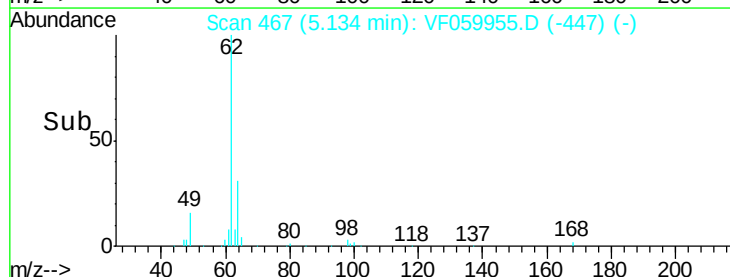
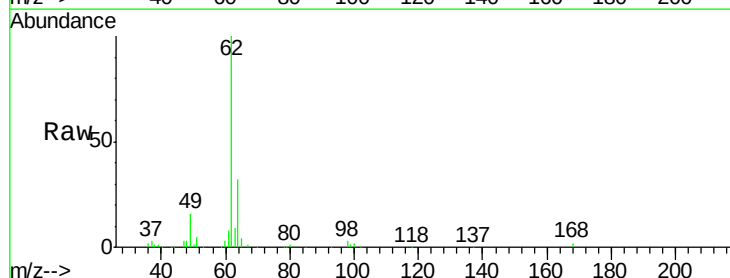
Acq: 14 Aug 2018 20:05

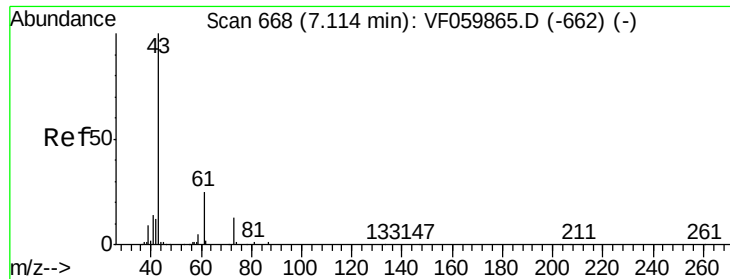
Tgt Ion: 62 Resp: 126471

Ion Ratio Lower Upper

62 100

98 2.5 0.0 5.0





#43

Isopropyl Acetate

Concen: 50.28 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

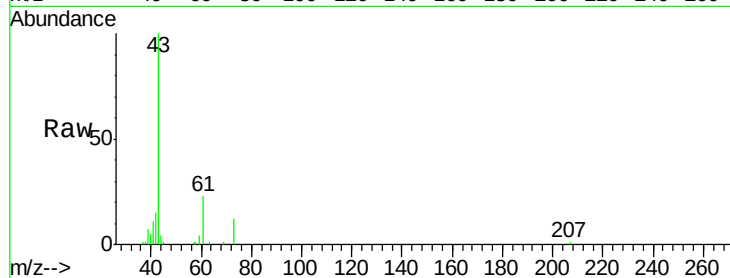
Tot Ion: 43 Resp: 41716

Ion Ratio Lower Upper

43 100

61 23.2 18.6 27.8

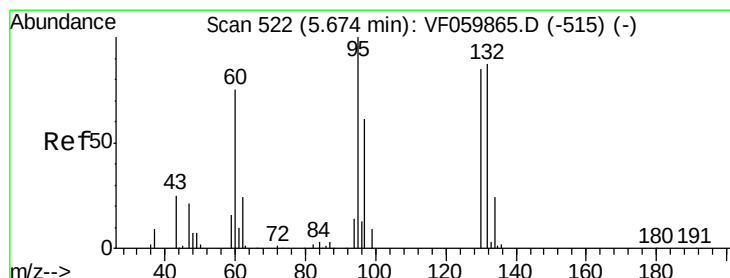
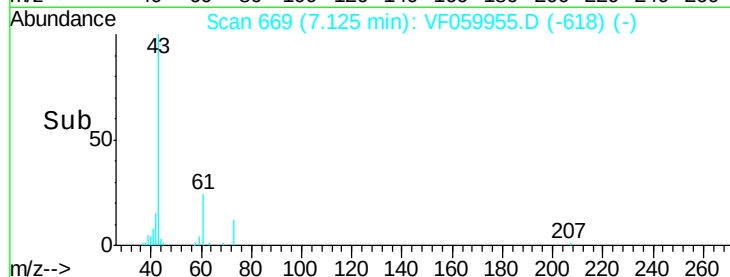
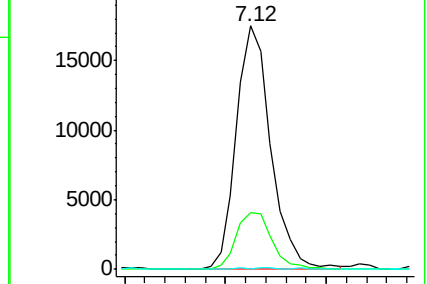
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF059865.D (-662) (-)

Ion 61.00 (60.70 to 61.70): VF059865.D (-662) (-)

Ion 87.00 (86.70 to 87.70): VF059865.D (-662) (-)



#44

Trichloroethene

Concen: 48.50 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.00 min

Lab File: VF059955.D

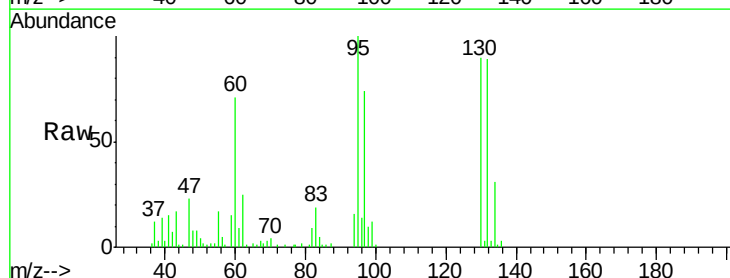
Acq: 14 Aug 2018 20:05

Tgt Ion:130 Resp: 59233

Ion Ratio Lower Upper

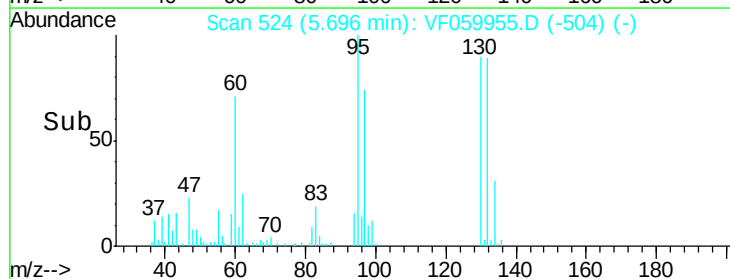
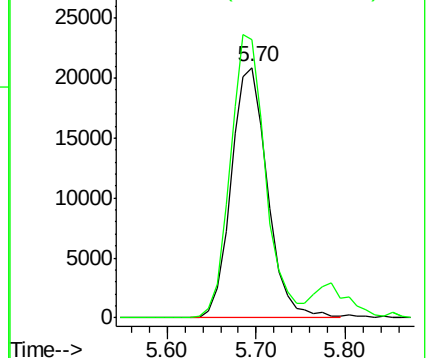
130 100

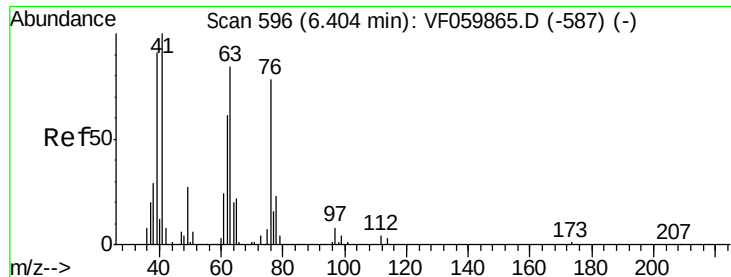
95 111.0 0.0 222.0



Abundance Ion 129.90 (129.60 to 130.60): VF059865.D (-515) (-)

Ion 94.90 (94.60 to 95.60): VF059865.D (-515) (-)





#45

1,2-Dichloropropane

Concen: 48.60 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

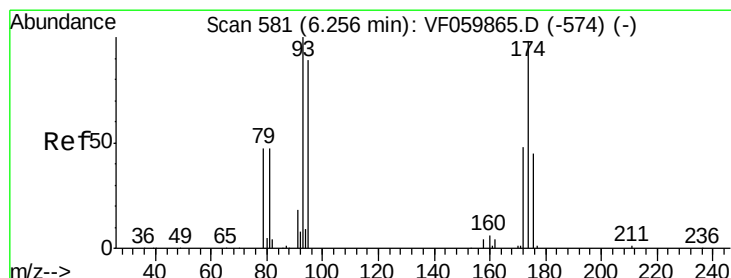
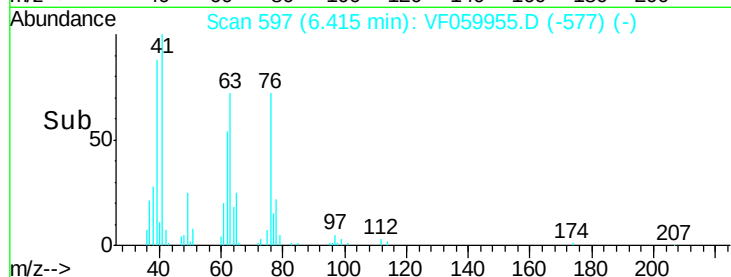
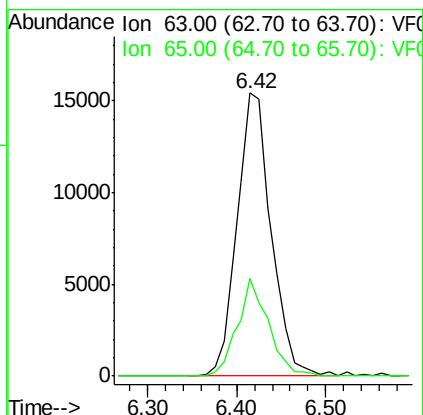
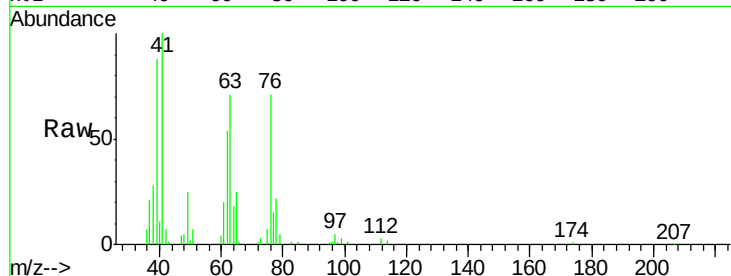
VSTDICCC050

Tot Ion: 63 Resp: 40999

Ion Ratio Lower Upper

63 100

65 34.7 27.8 41.6



#46

Dibromomethane

Concen: 47.17 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

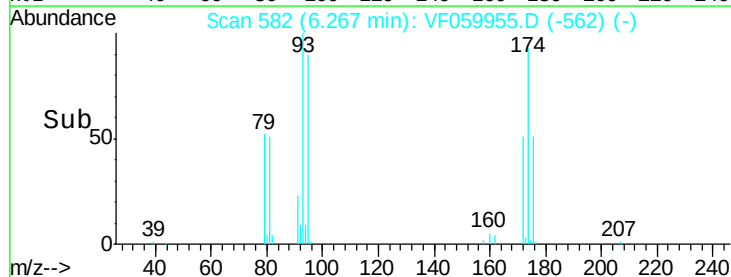
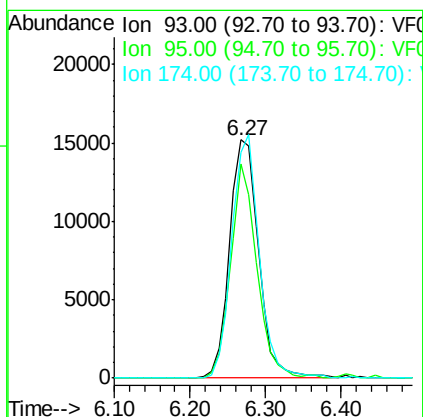
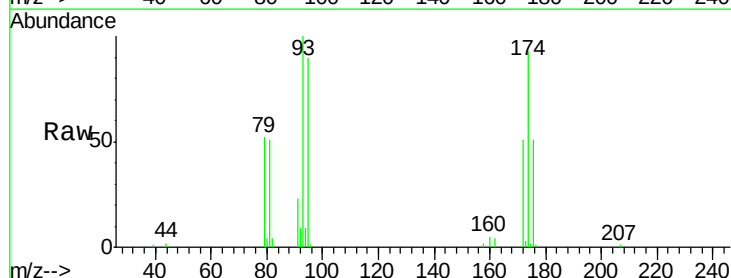
Tgt Ion: 93 Resp: 40350

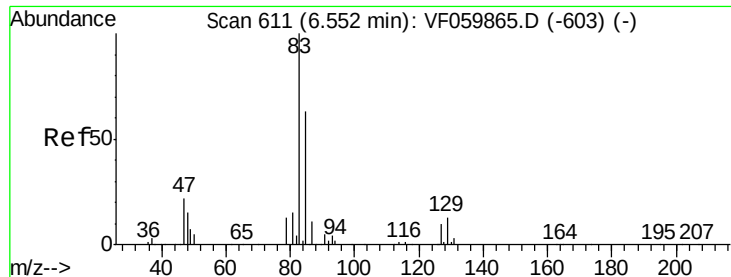
Ion Ratio Lower Upper

93 100

95 90.5 72.4 108.6

174 94.9 75.9 113.9





#47

Bromodichloromethane

Concen: 49.44 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

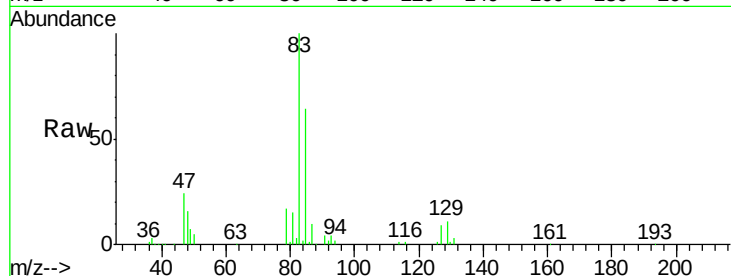
Tot Ion: 83 Resp: 115844

Ion Ratio Lower Upper

83 100

85 64.4 51.5 77.3

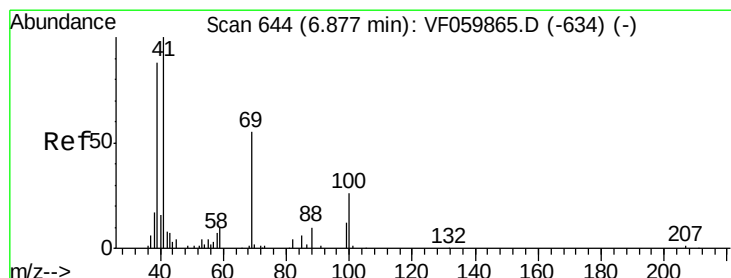
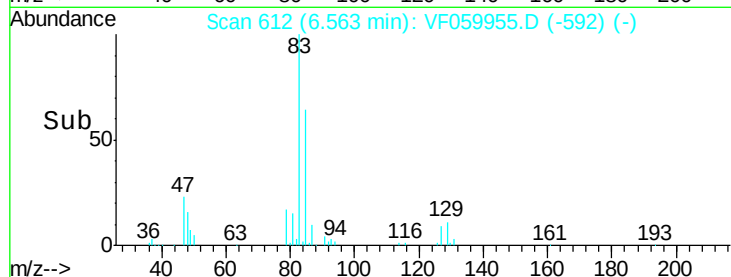
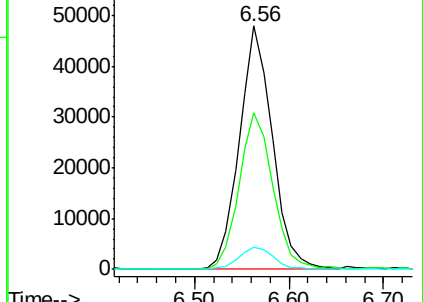
127 9.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF059865.D (-603) (-)

Ion 85.00 (84.70 to 85.70): VF059865.D (-603) (-)

Ion 127.00 (126.70 to 127.70): VF059865.D (-603) (-)



#48

Methyl methacrylate

Concen: 51.81 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

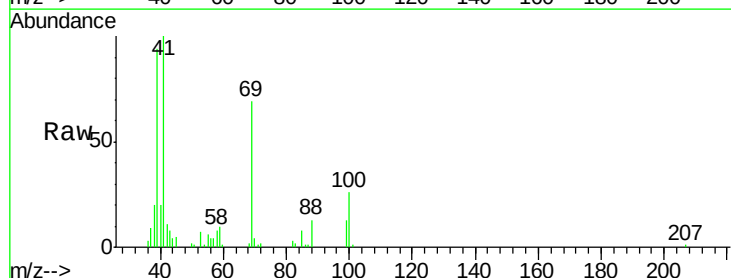
Tgt Ion: 41 Resp: 33175

Ion Ratio Lower Upper

41 100

69 68.5 54.8 82.2

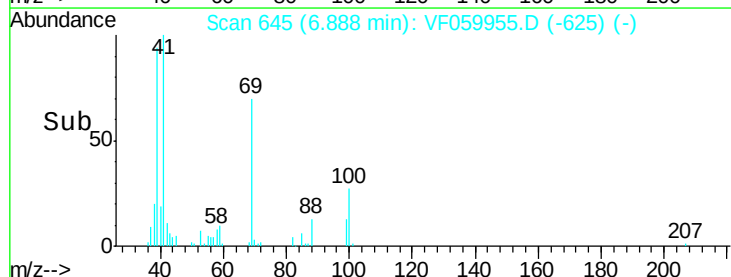
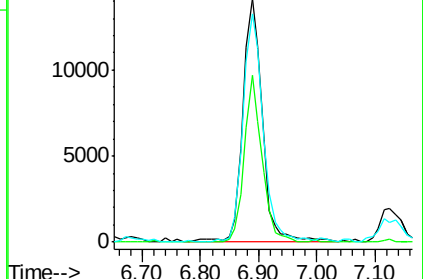
39 93.9 75.1 112.7

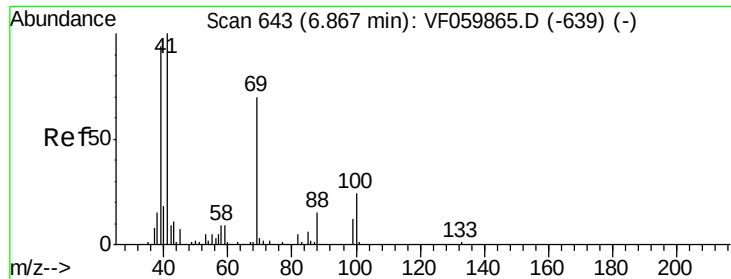


Abundance Ion 41.00 (40.70 to 41.70): VF059865.D (-634) (-)

Ion 69.00 (68.70 to 69.70): VF059865.D (-634) (-)

Ion 39.00 (38.70 to 39.70): VF059865.D (-634) (-)

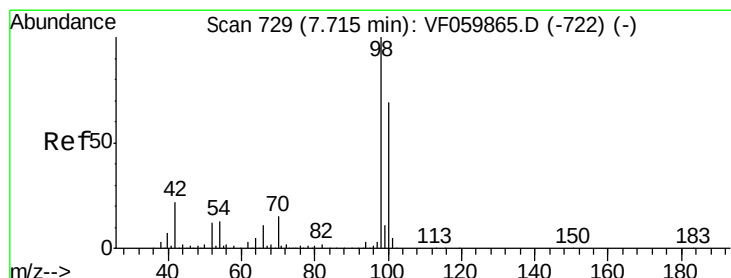
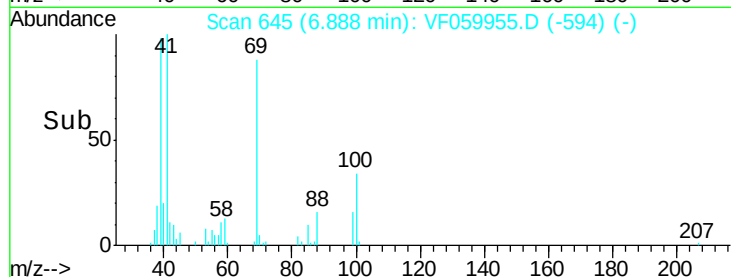
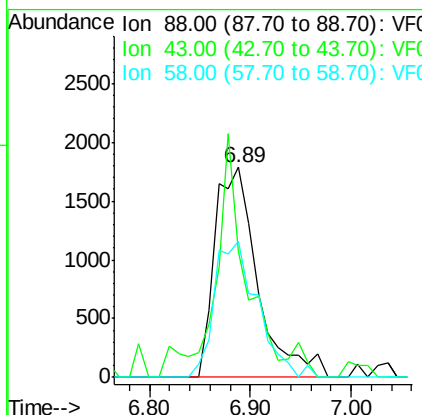
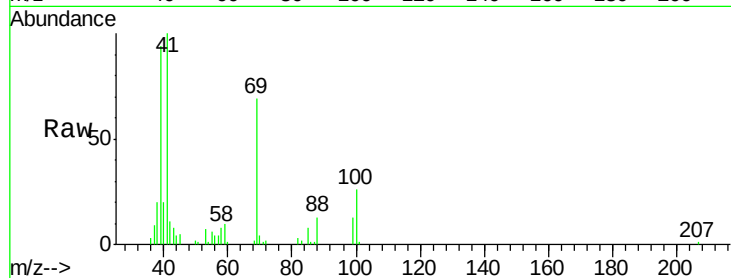




#49
1,4-Dioxane
Concen: 1099.71 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

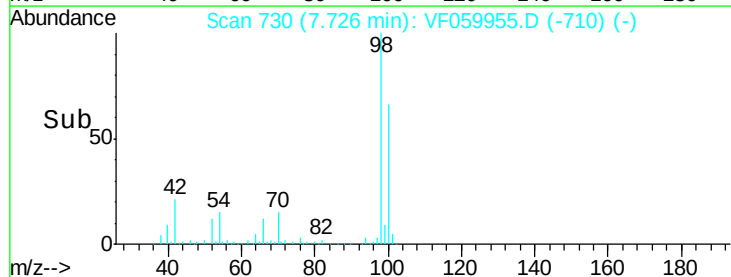
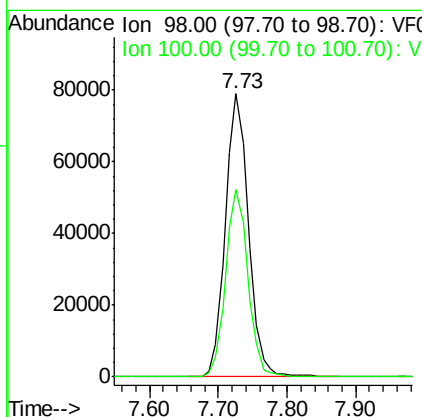
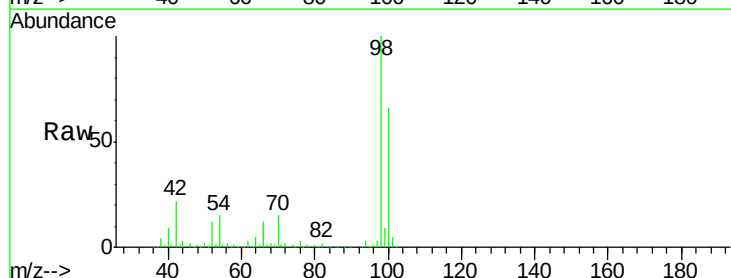
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

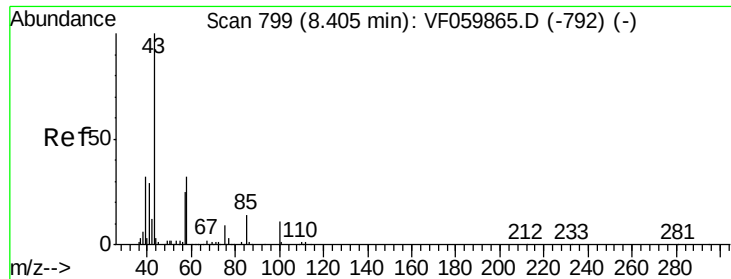
Tot Ion: 88 Resp: 5295
Ion Ratio Lower Upper
88 100
43 59.9 47.9 71.9
58 65.0 52.0 78.0



#50
Toluene-d8
Concen: 53.58 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 98 Resp: 183796
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 254.30 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

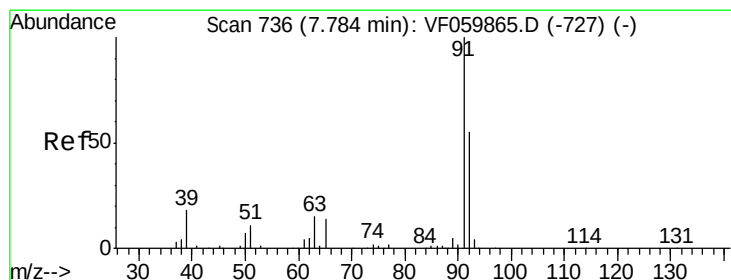
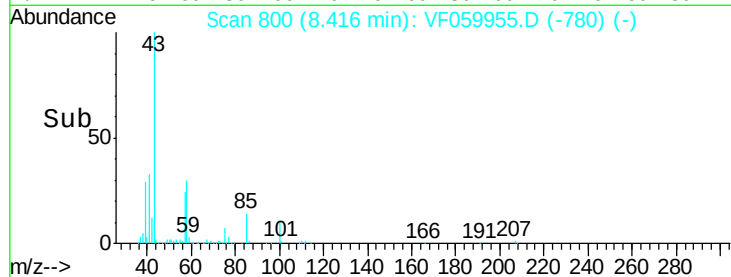
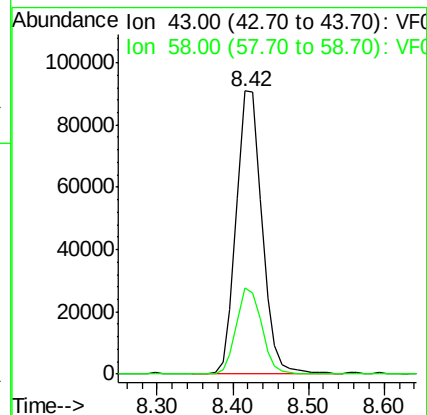
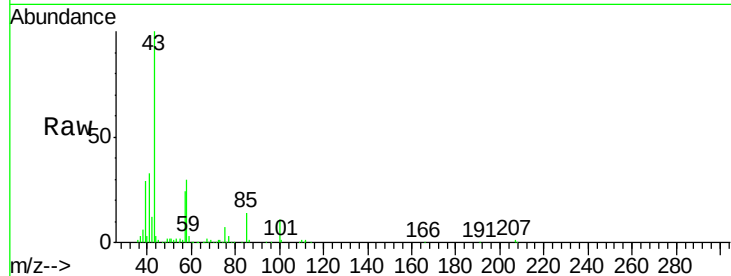
VSTDICCC050

Tot Ion: 43 Resp: 214276

Ion Ratio Lower Upper

43 100

58 30.3 24.2 36.4



#52

Toluene

Concen: 48.87 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059955.D

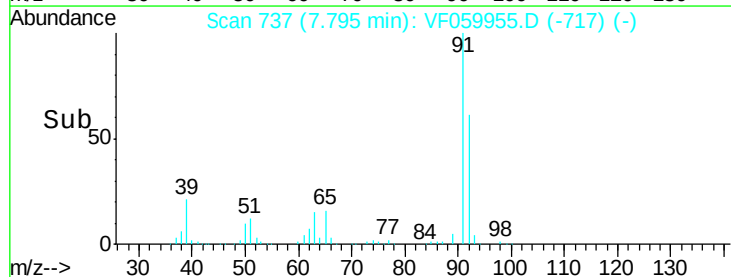
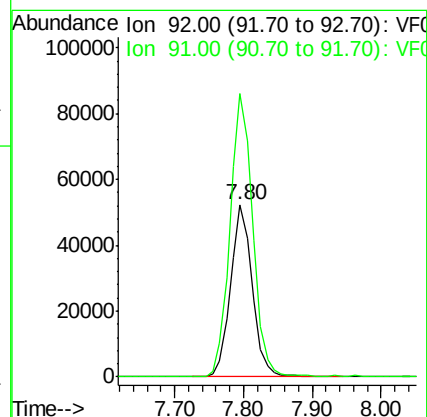
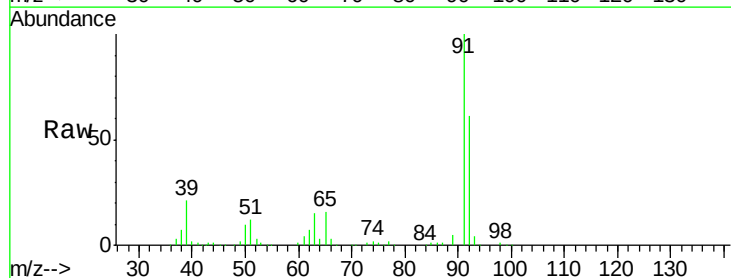
Acq: 14 Aug 2018 20:05

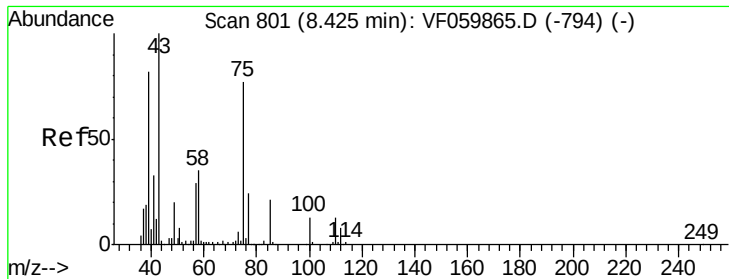
Tgt Ion: 92 Resp: 113973

Ion Ratio Lower Upper

92 100

91 164.0 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 52.45 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

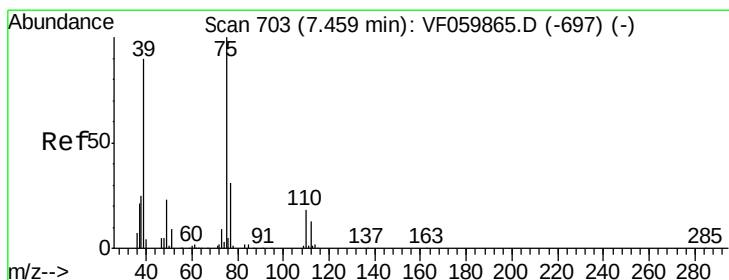
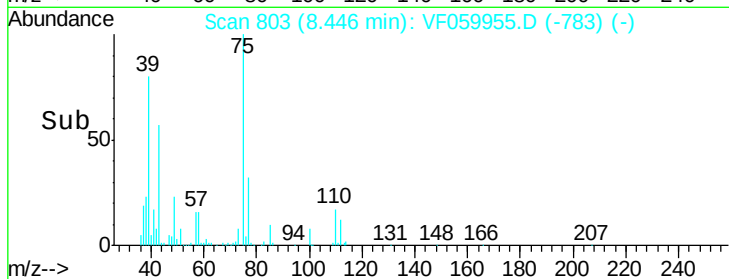
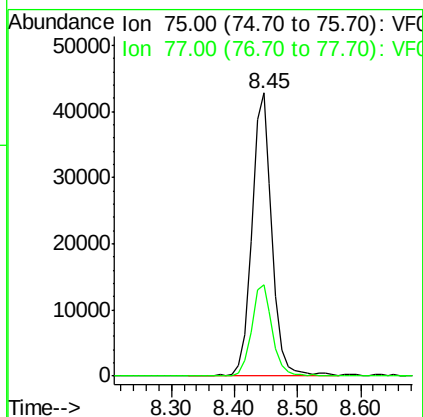
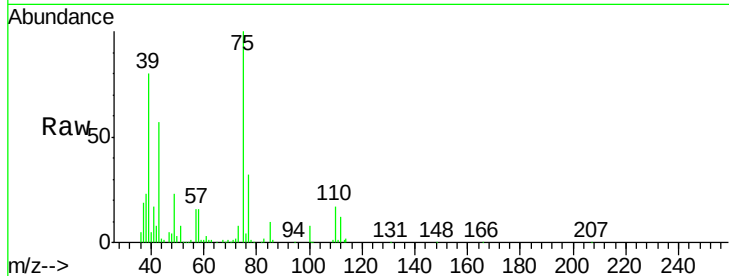
VSTDICCC050

Tot Ion: 75 Resp: 95155

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 52.86 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

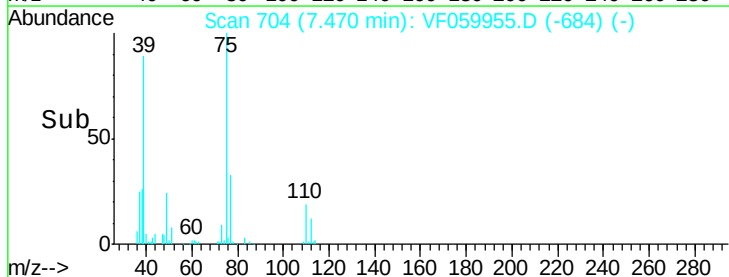
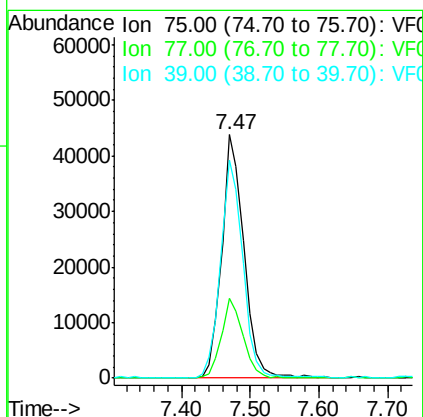
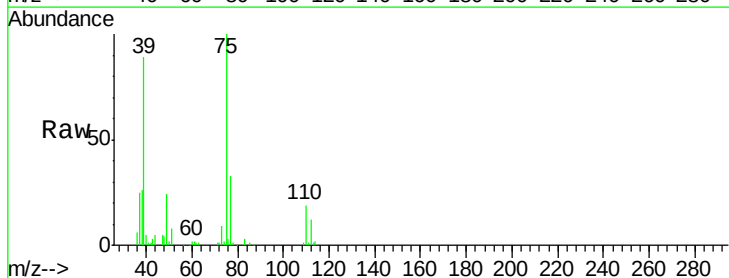
Tgt Ion: 75 Resp: 98014

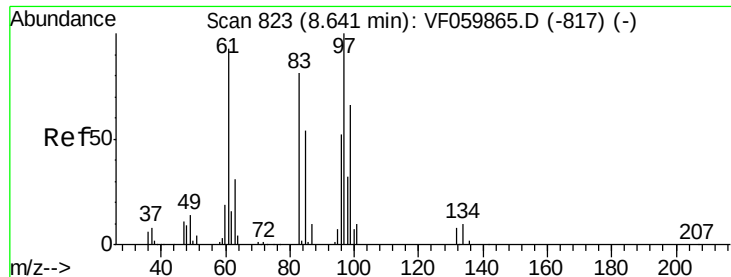
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

39 89.5 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 46.75 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 39209

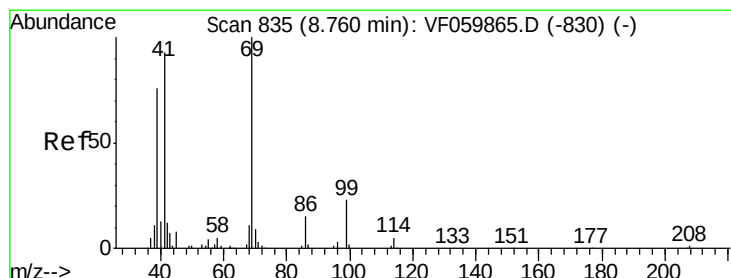
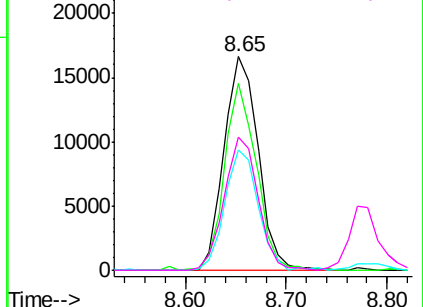
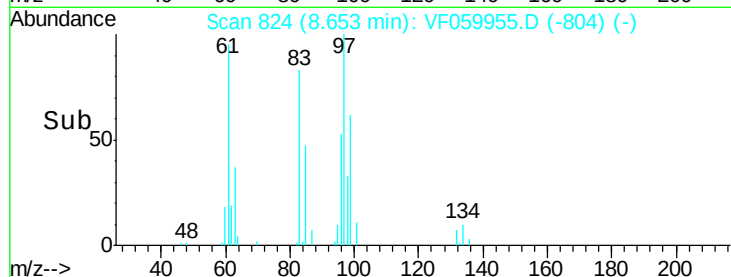
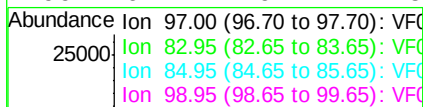
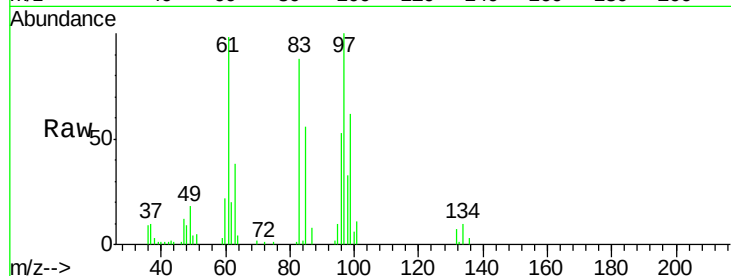
Ion Ratio Lower Upper

97 100

83 87.5 70.0 105.0

85 56.5 45.2 67.8

99 62.1 49.7 74.5



#56

Ethyl methacrylate

Concen: 47.57 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

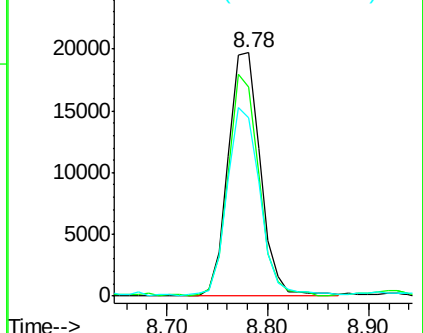
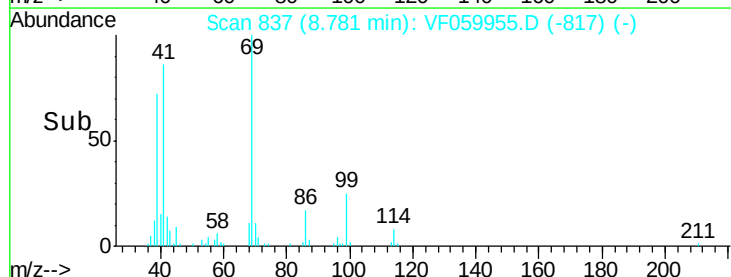
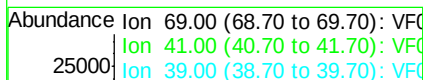
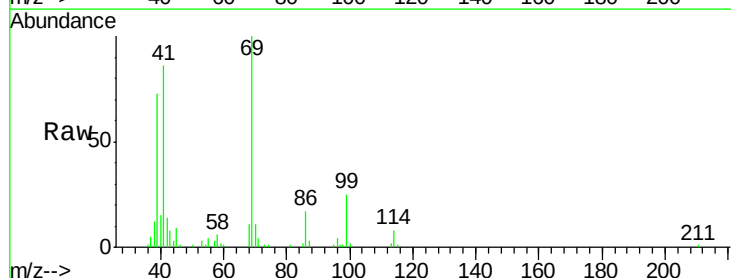
Tgt Ion: 69 Resp: 43904

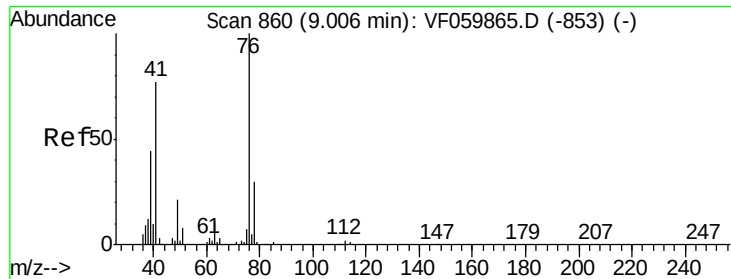
Ion Ratio Lower Upper

69 100

41 85.9 68.7 103.1

39 73.1 58.5 87.7





#57

1,3-Dichloropropane

Concen: 51.94 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

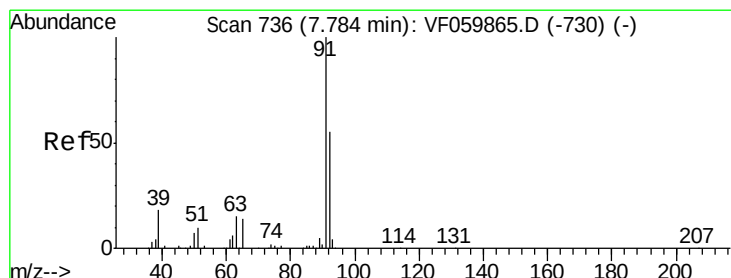
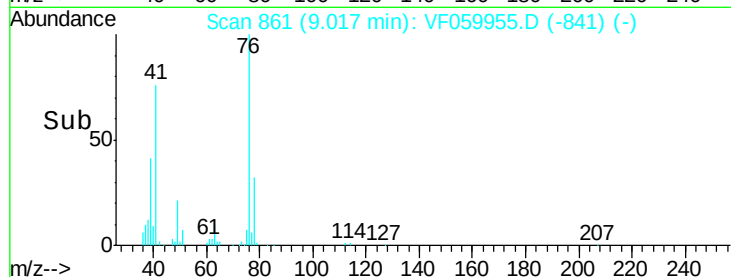
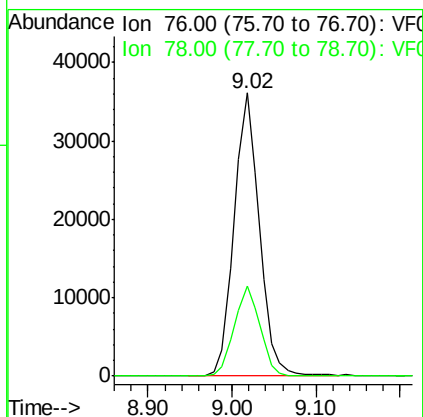
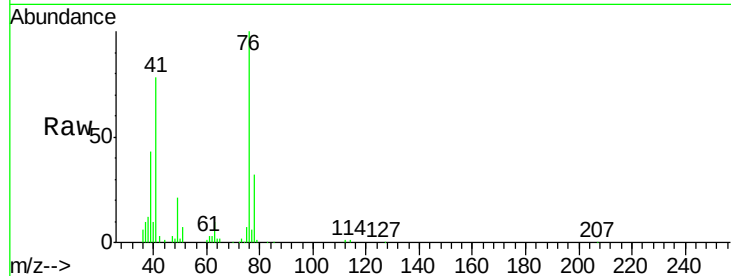
VSTDICCC050

Tot Ion: 76 Resp: 75632

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 261.13 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059955.D

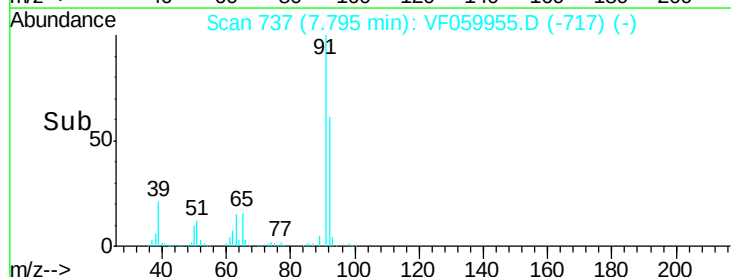
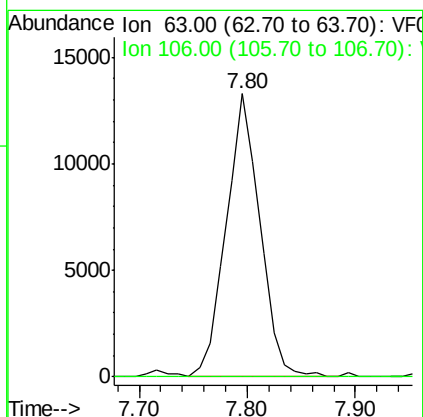
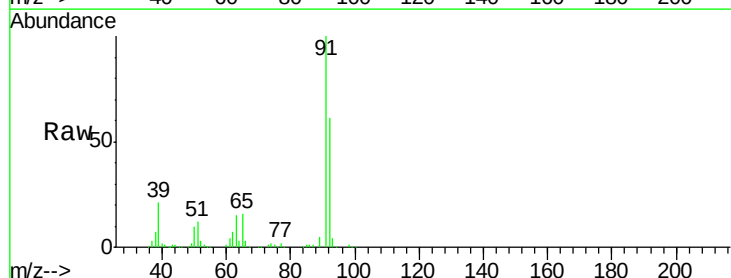
Acq: 14 Aug 2018 20:05

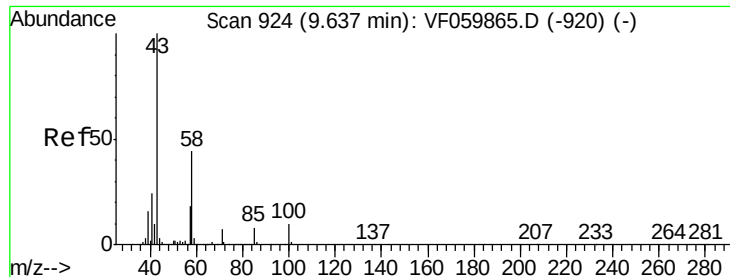
Tgt Ion: 63 Resp: 28972

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

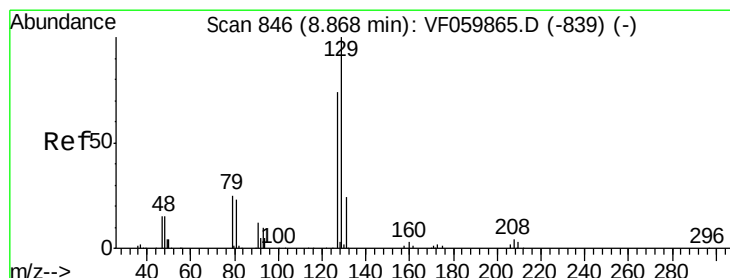
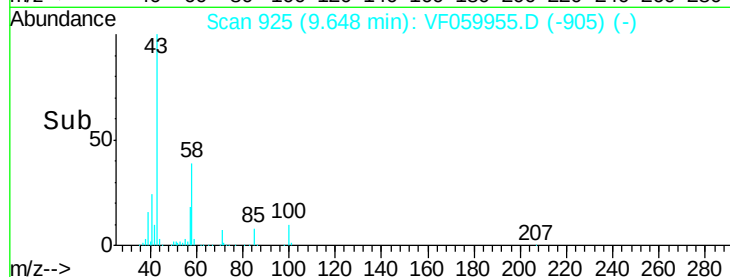
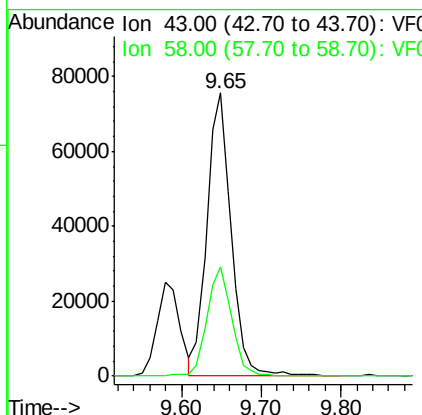
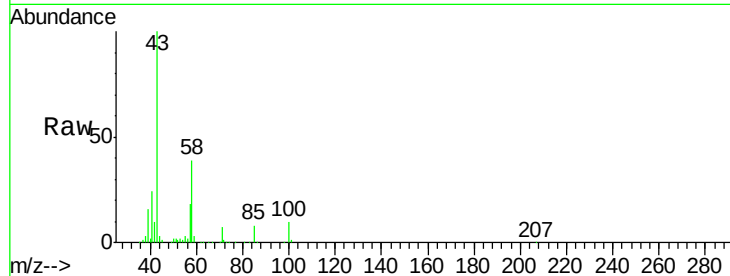




#59
2-Hexanone
Concen: 265.84 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

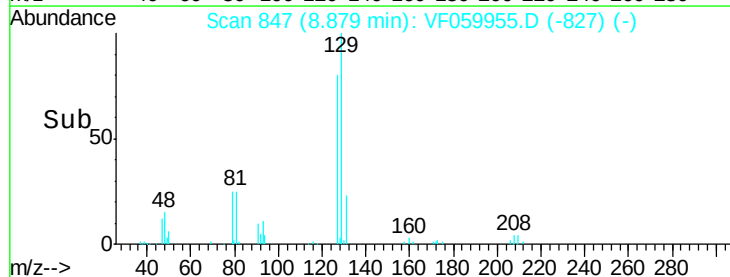
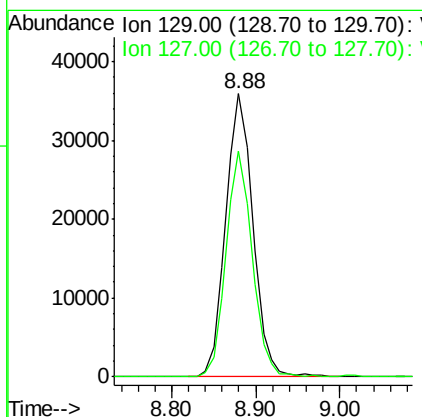
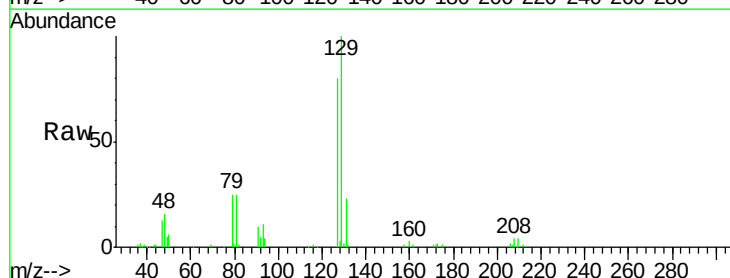
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

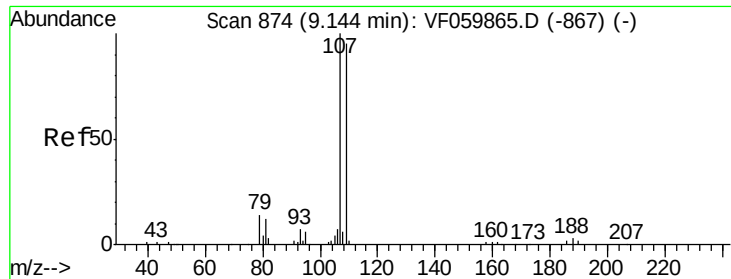
Tot Ion: 43 Resp: 159179
Ion Ratio Lower Upper
43 100
58 38.8 19.4 58.2



#60
Dibromochloromethane
Concen: 51.32 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 129 Resp: 81144
Ion Ratio Lower Upper
129 100
127 79.9 40.0 119.9





#61

1,2-Dibromoethane

Concen: 48.83 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

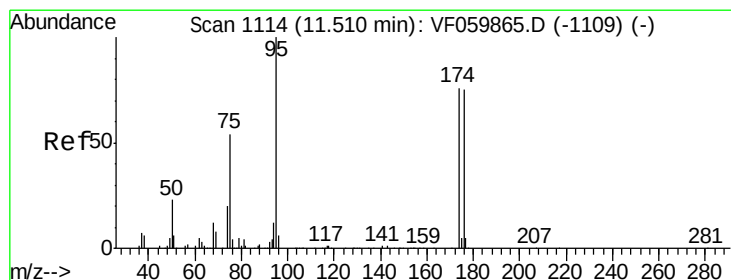
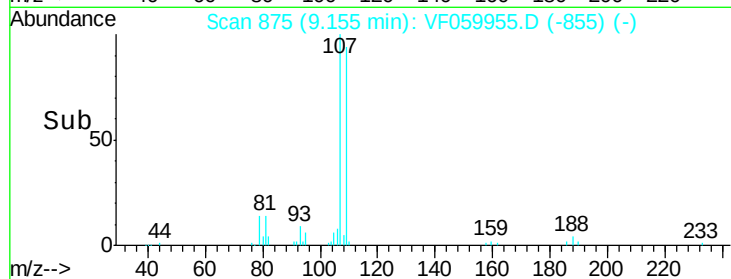
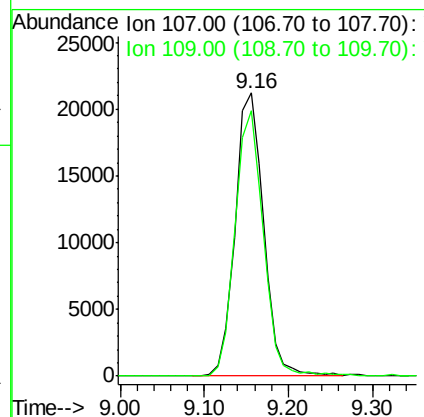
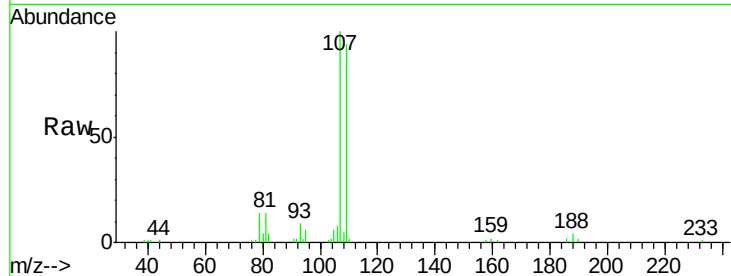
VSTDICCC050

Tot Ion:107 Resp: 49884

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 54.08 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

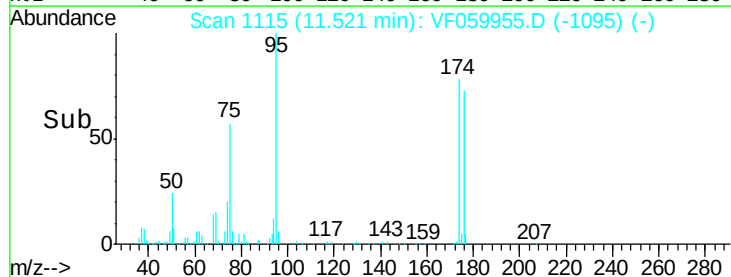
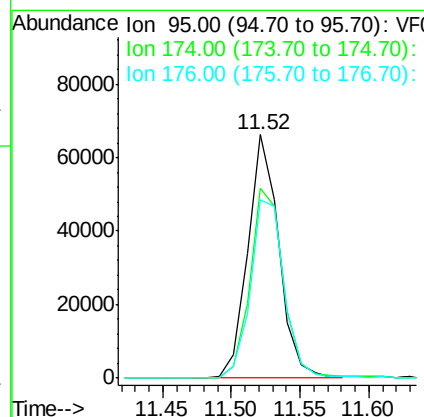
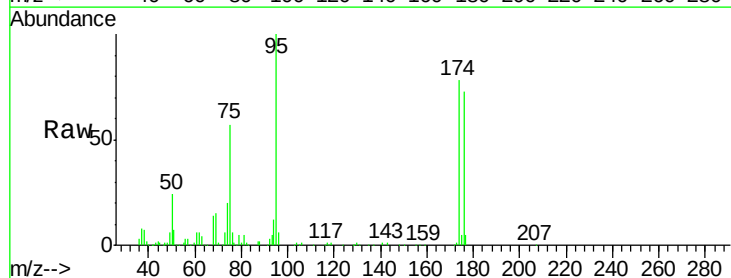
Tgt Ion: 95 Resp: 104378

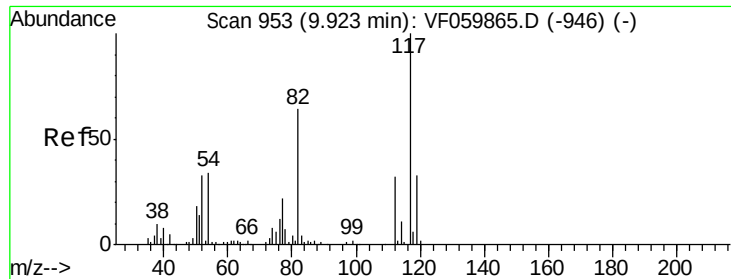
Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.4

176 73.4 0.0 146.8

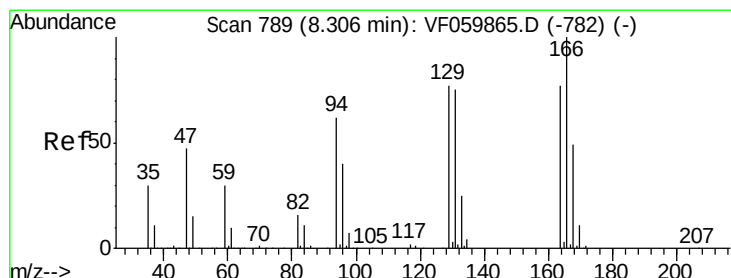
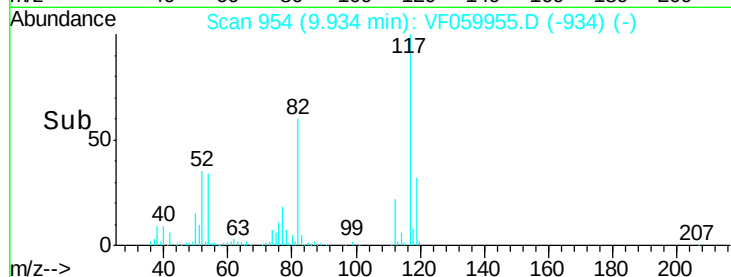
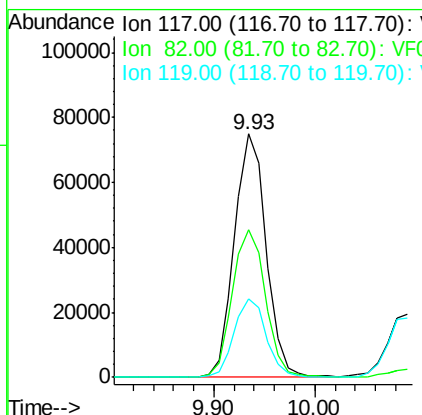
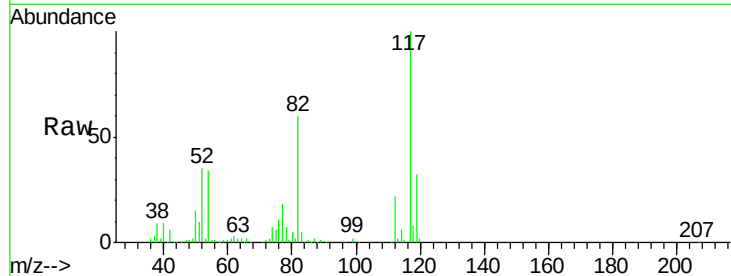




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

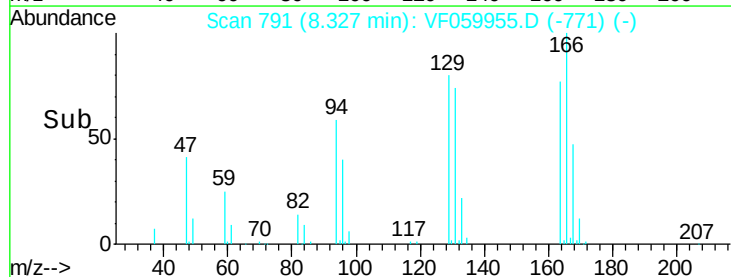
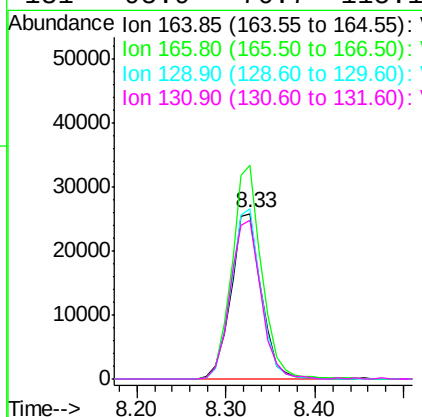
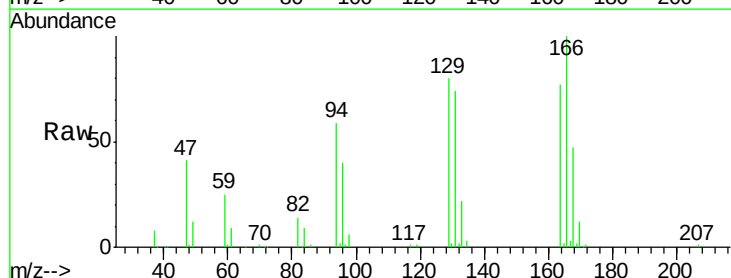
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

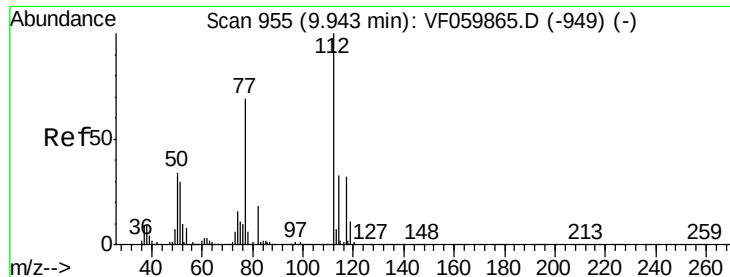
Tot Ion:117 Resp: 164680
Ion Ratio Lower Upper
117 100
82 60.4 48.3 72.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 44.48 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion:164 Resp: 61207
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 102.8 82.2 123.4
131 95.9 76.7 115.1





#65

Chlorobenzene

Concen: 47.86 ug/l

RT: 9.96 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

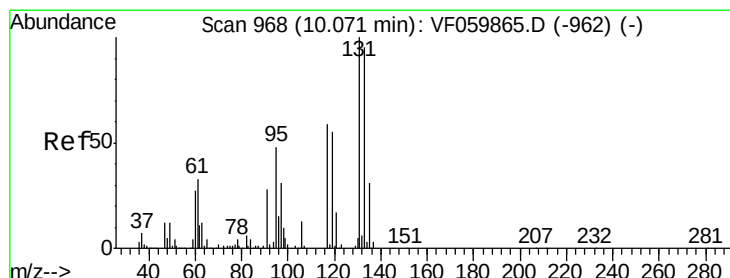
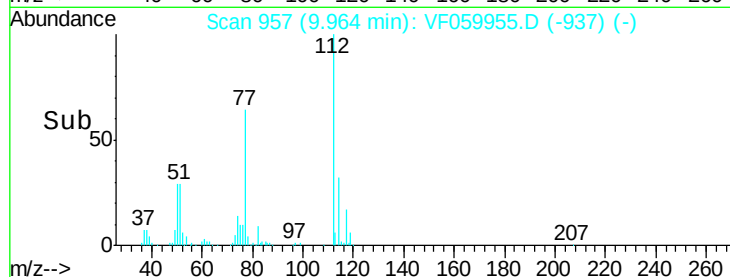
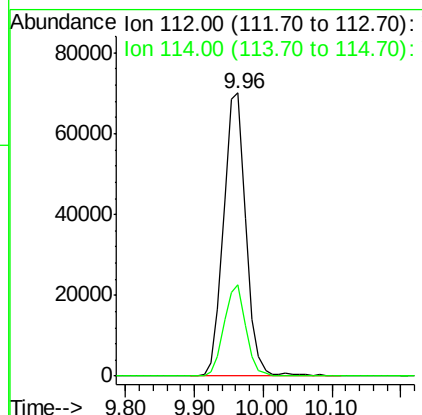
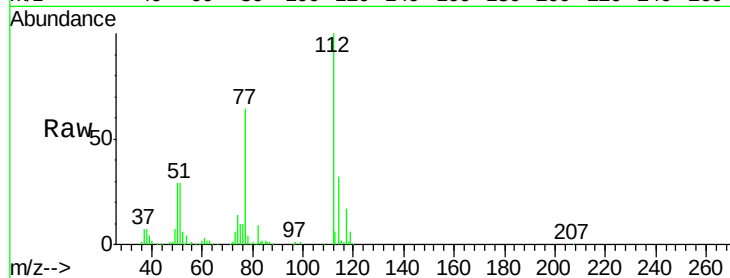
VSTDICCC050

Tot Ion:112 Resp: 157858

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 46.29 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

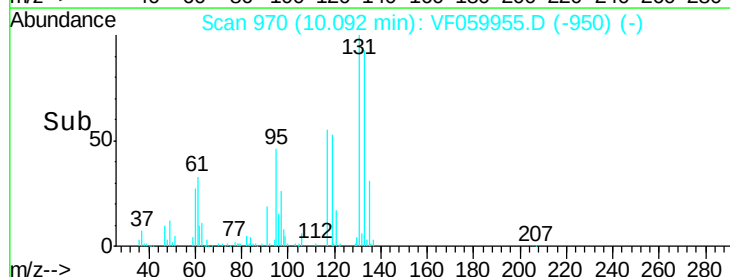
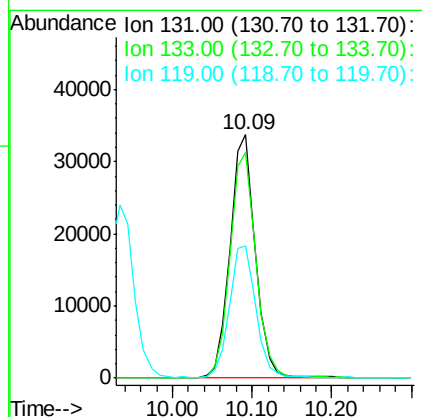
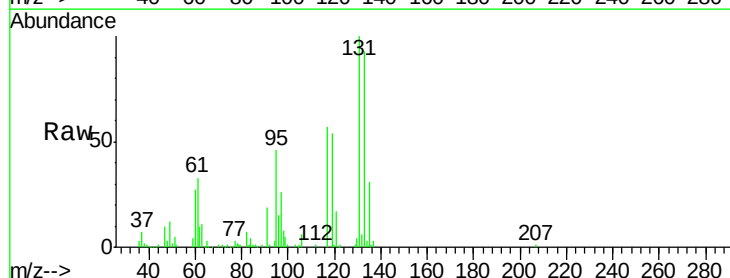
Tgt Ion:131 Resp: 75430

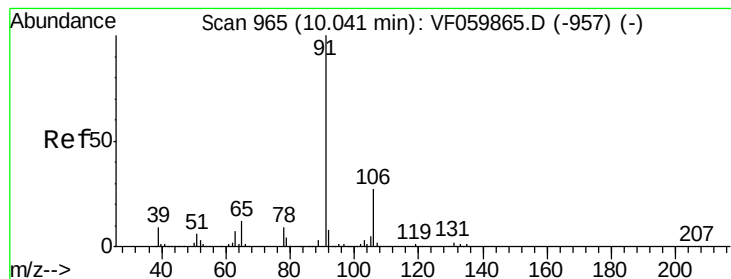
Ion Ratio Lower Upper

131 100

133 92.7 46.4 139.1

119 54.3 27.2 81.5





#67

Ethyl Benzene

Concen: 48.67 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

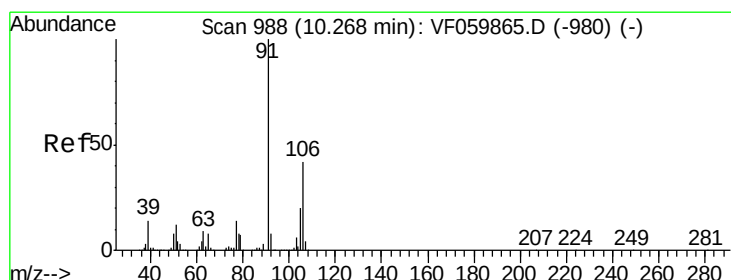
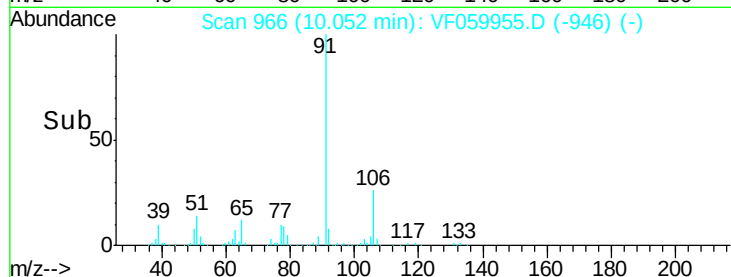
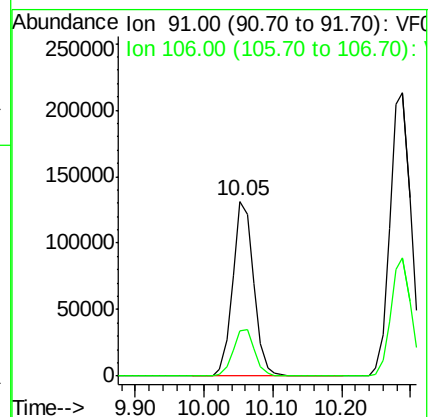
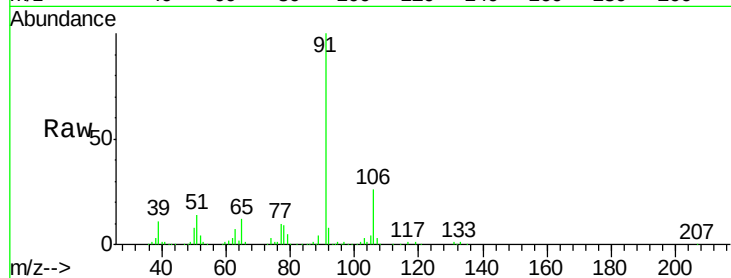
VSTDICCC050

Tot Ion: 91 Resp: 277886

Ion Ratio Lower Upper

91 100

106 25.9 20.7 31.1



#68

m/p-Xylenes

Concen: 93.51 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.00 min

Lab File: VF059955.D

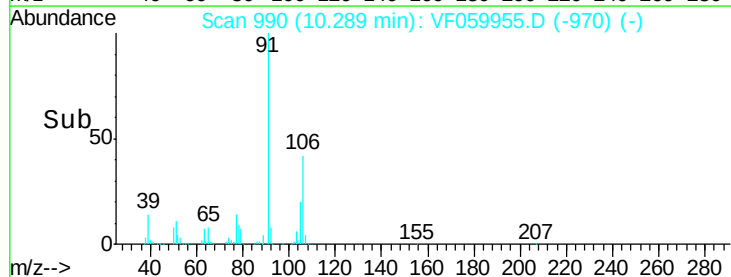
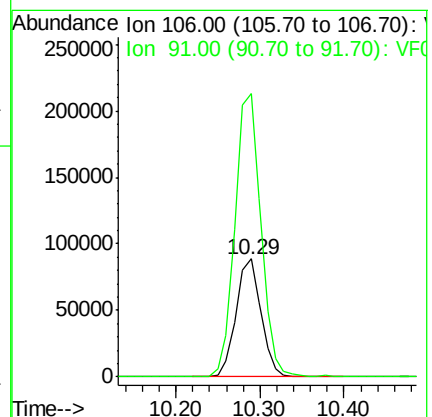
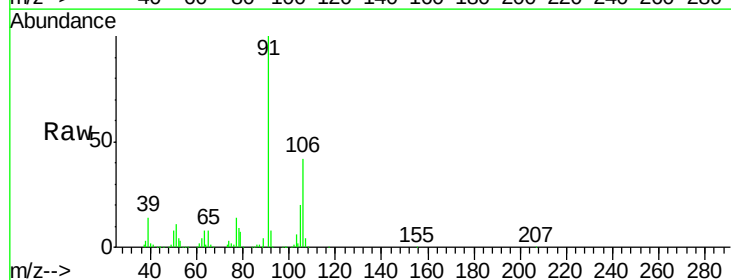
Acq: 14 Aug 2018 20:05

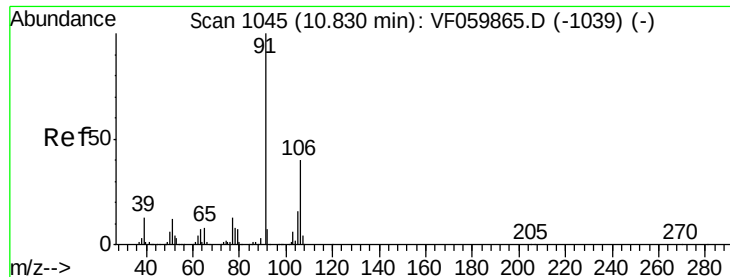
Tgt Ion: 106 Resp: 184640

Ion Ratio Lower Upper

106 100

91 239.8 191.8 287.8

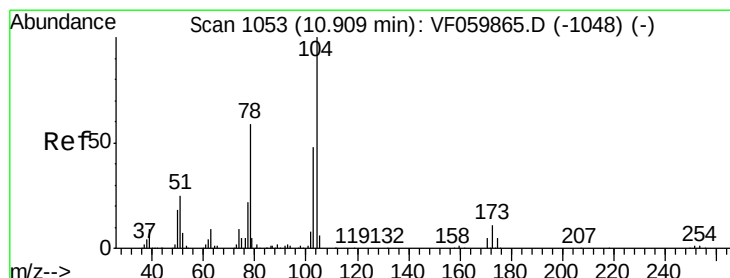
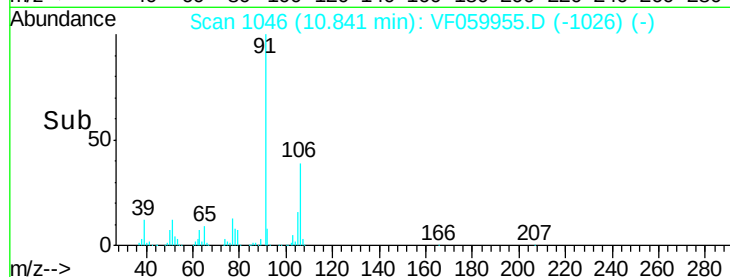
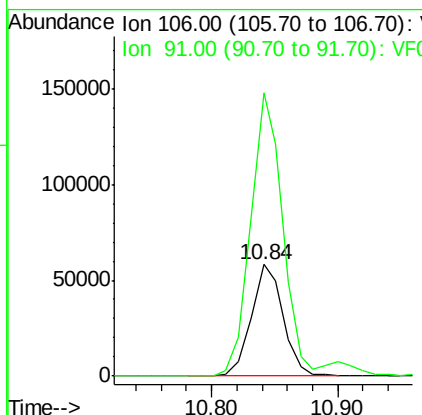
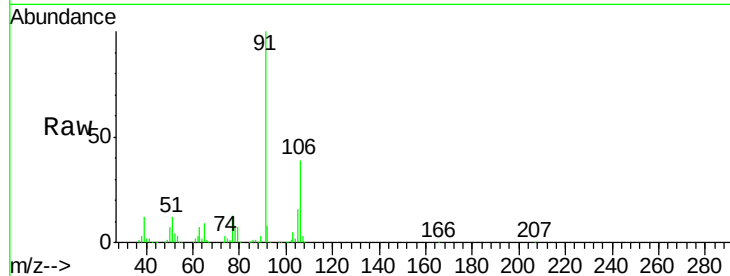




#69
o-Xylene
Concen: 49.39 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

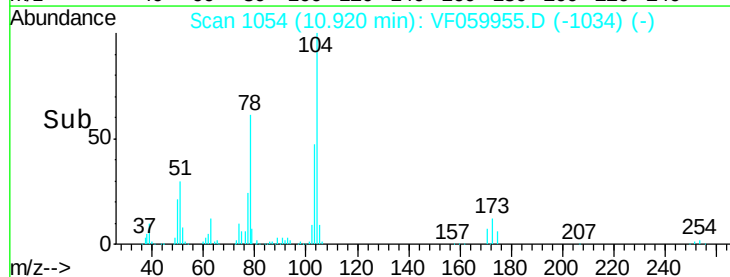
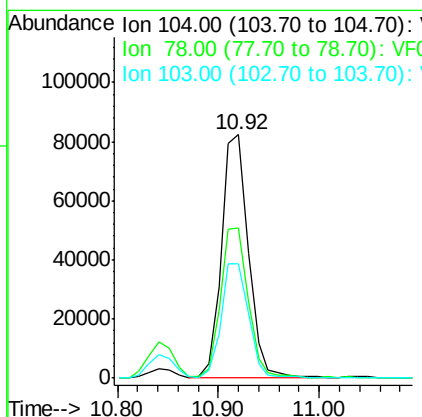
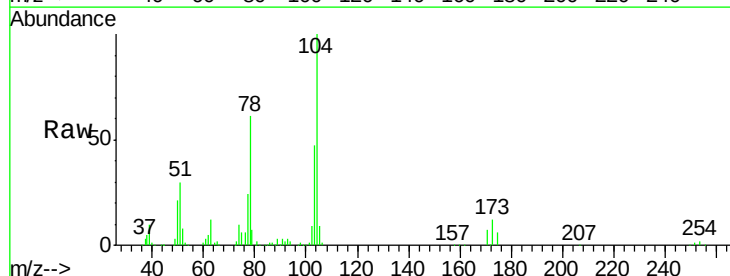
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

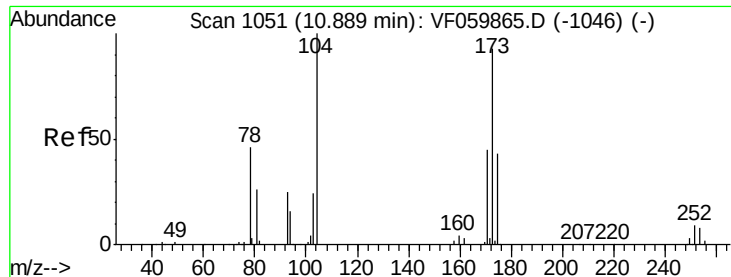
Tot Ion:106 Resp: 102328
Ion Ratio Lower Upper
106 100
91 253.7 126.8 380.6



#70
Styrene
Concen: 48.72 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion:104 Resp: 152356
Ion Ratio Lower Upper
104 100
78 61.5 49.2 73.8
103 46.7 37.4 56.0





#71

Bromoform

Concen: 48.34 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

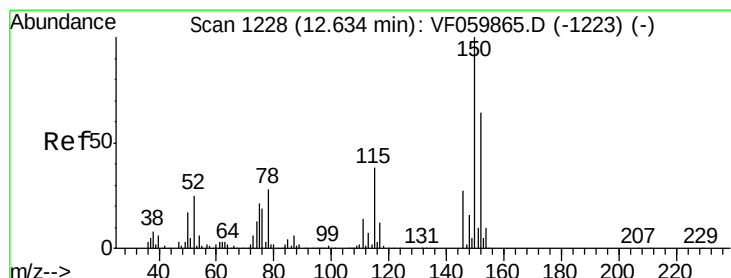
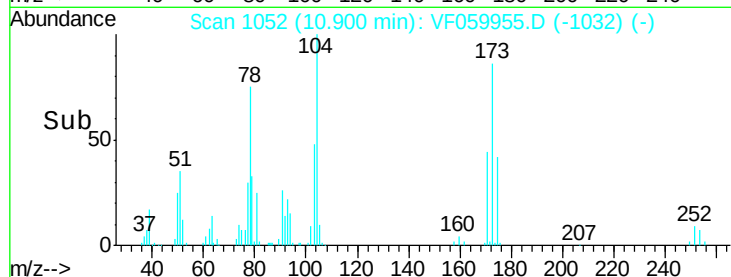
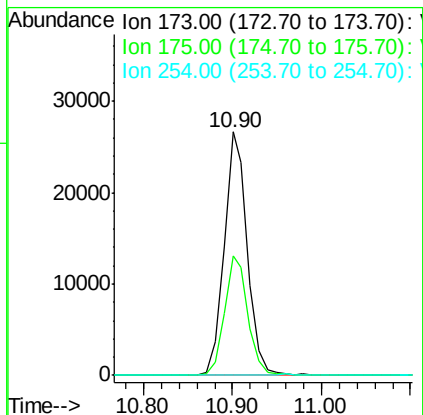
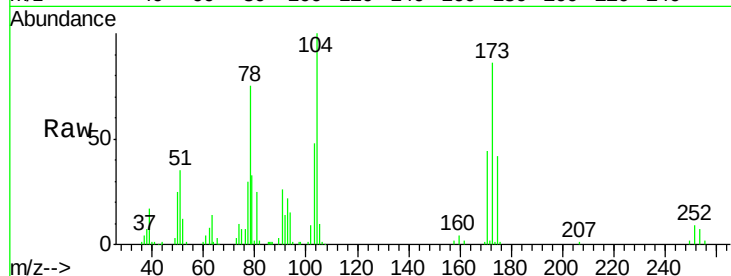
Tot Ion:173 Resp: 48593

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

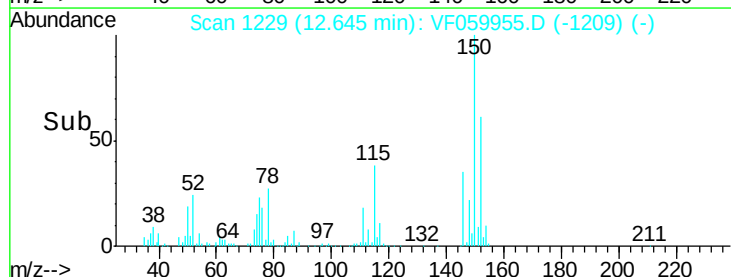
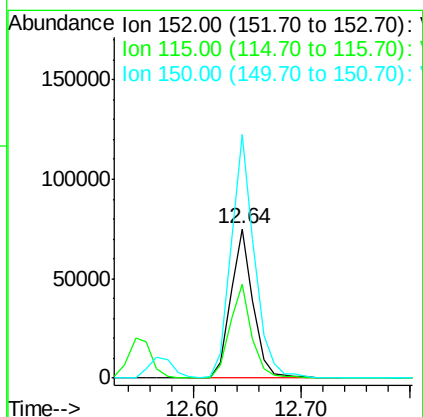
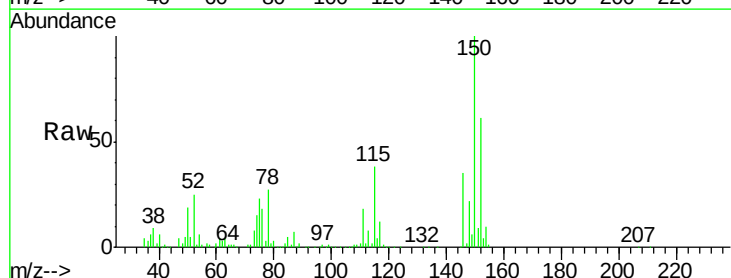
Tgt Ion:152 Resp: 107600

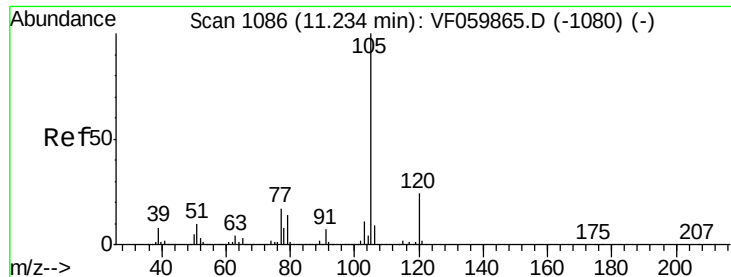
Ion Ratio Lower Upper

152 100

115 62.7 31.4 94.0

150 163.1 0.0 326.2





#73

Isopropylbenzene

Concen: 52.90 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

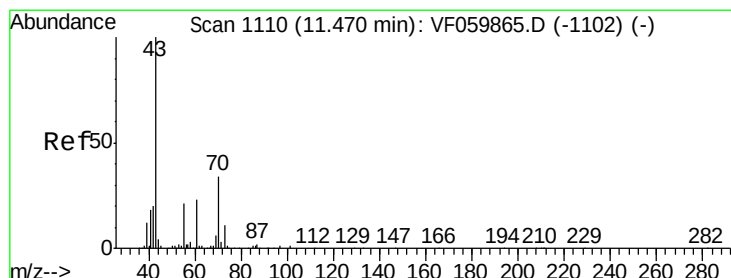
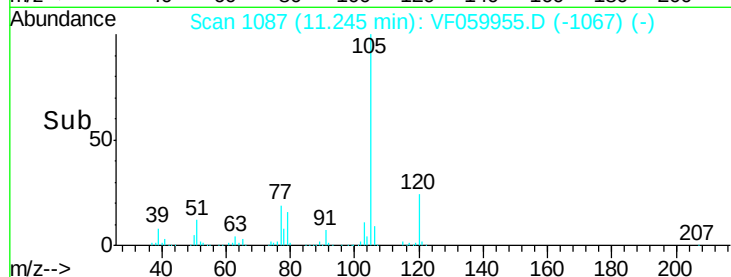
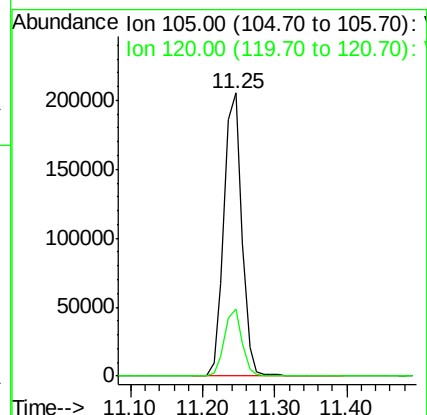
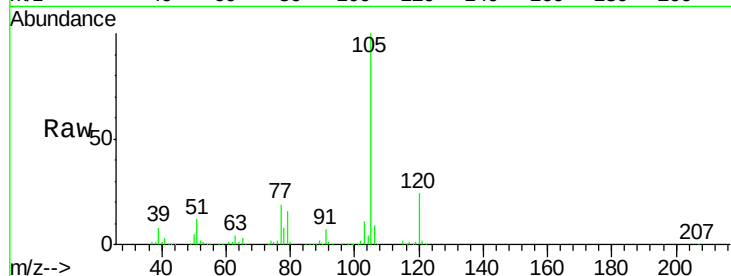
VSTDICCC050

Tot Ion:105 Resp: 352251

Ion Ratio Lower Upper

105 100

120 23.9 11.9 35.9



#74

N-ethyl acetate

Concen: 46.98 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Tgt Ion: 43 Resp: 77557

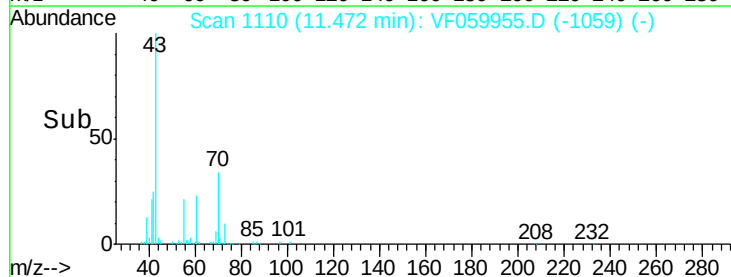
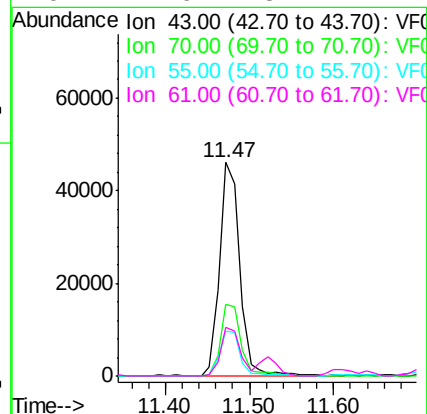
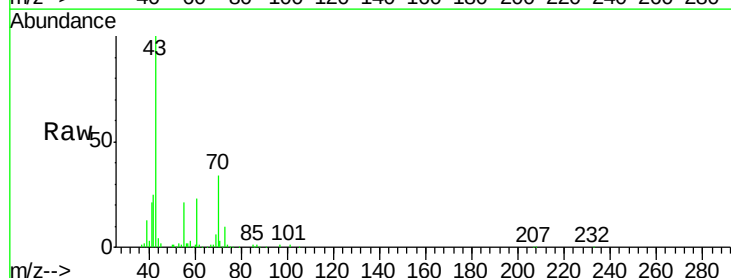
Ion Ratio Lower Upper

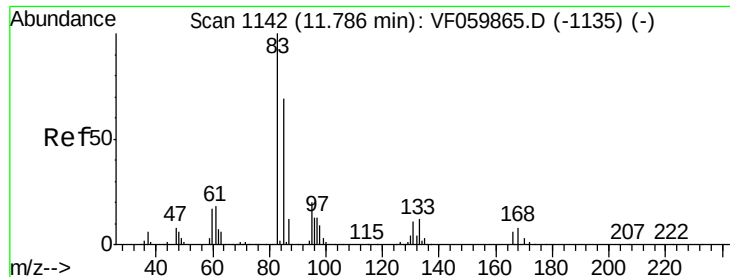
43 100

70 33.6 26.9 40.3

55 21.1 16.9 25.3

61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.64 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

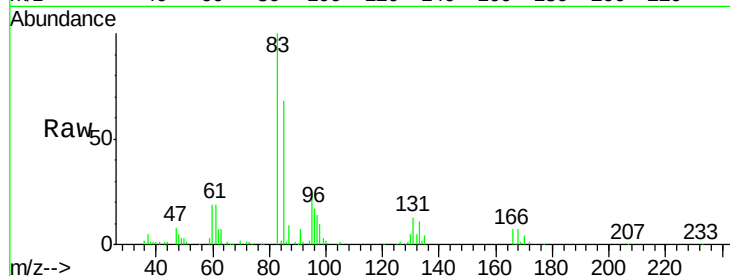
Tot Ion: 83 Resp: 56641

Ion Ratio Lower Upper

83 100

131 12.7 6.3 19.1

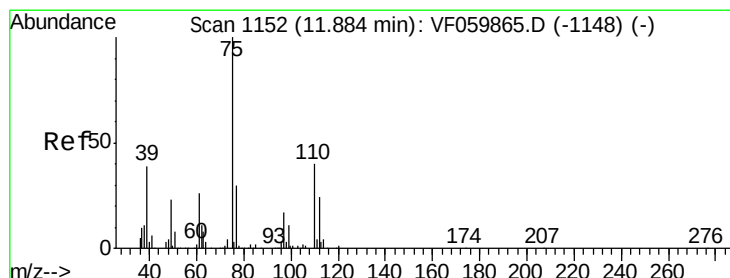
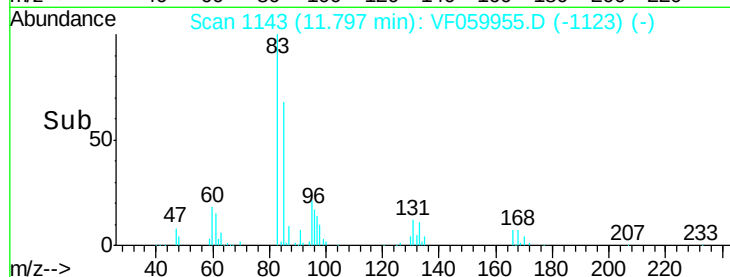
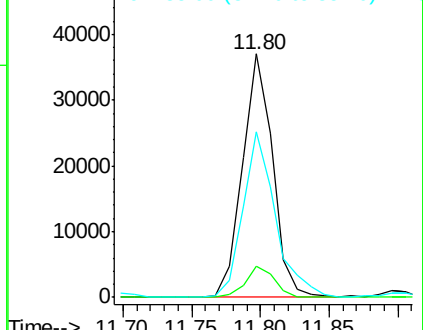
85 67.8 33.9 101.7



Abundance Ion 83.00 (82.70 to 83.70): VF059955.D (-1123) (-)

Ion 131.00 (130.70 to 131.70): VF059955.D (-1123) (-)

Ion 85.00 (84.70 to 85.70): VF059955.D (-1123) (-)



#76

1,2,3-Trichloropropane

Concen: 47.19 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059955.D

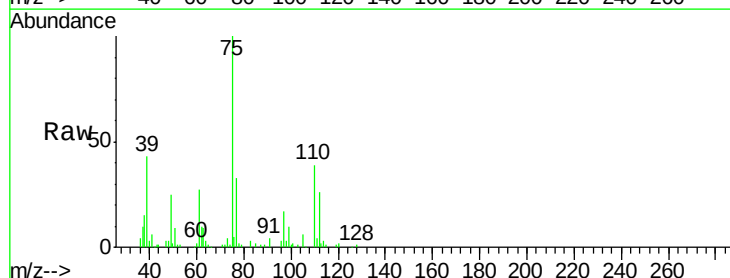
Acq: 14 Aug 2018 20:05

Tgt Ion: 75 Resp: 50565

Ion Ratio Lower Upper

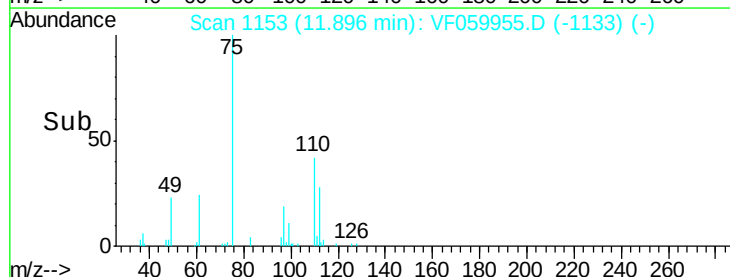
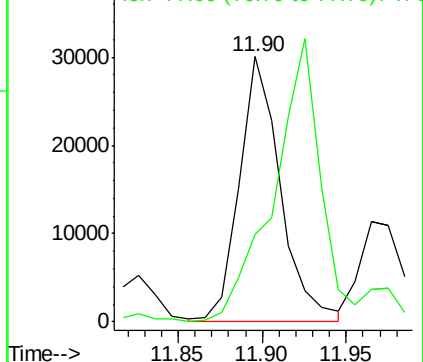
75 100

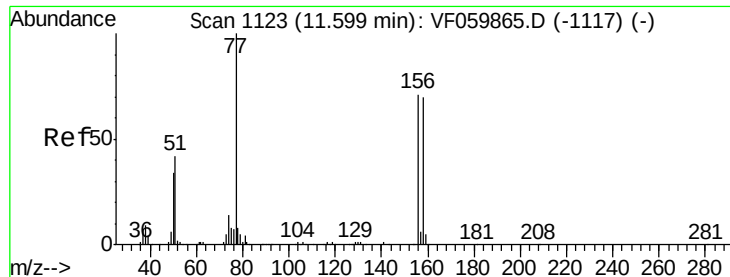
77 33.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF059955.D (-1133) (-)

Ion 77.00 (76.70 to 77.70): VF059955.D (-1133) (-)





#77

Bromobenzene

Concen: 48.75 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

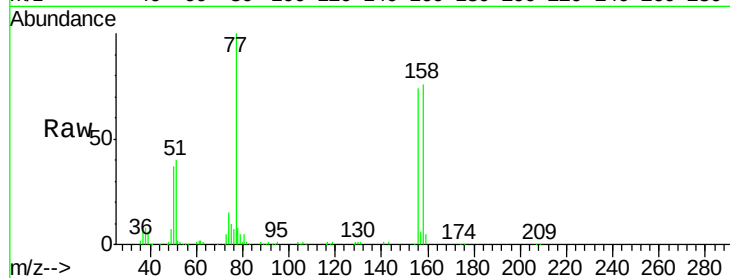
Tot Ion:156 Resp: 88526

Ion Ratio Lower Upper

156 100

77 135.5 67.8 203.2

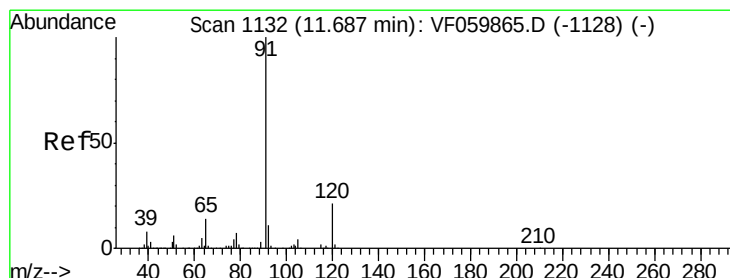
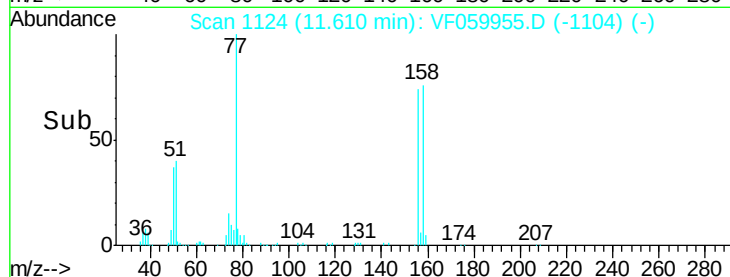
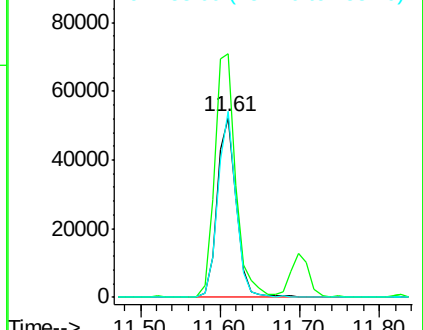
158 103.5 51.7 155.2



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 51.55 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059955.D

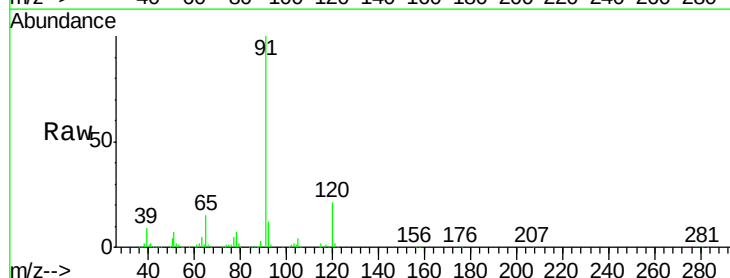
Acq: 14 Aug 2018 20:05

Tgt Ion: 91 Resp: 406109

Ion Ratio Lower Upper

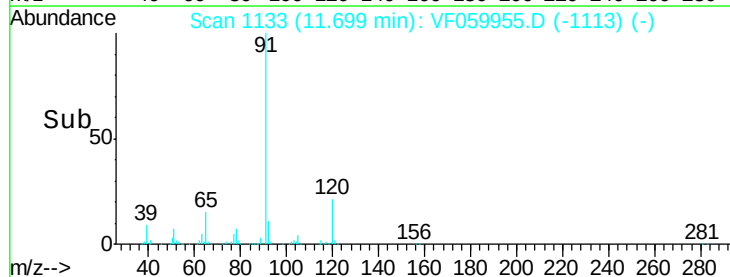
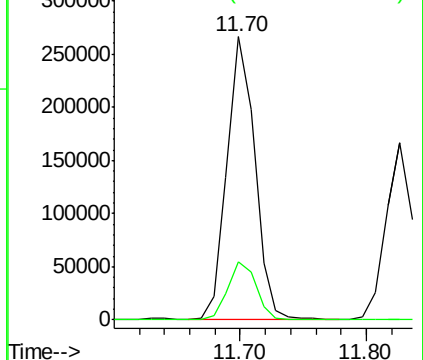
91 100

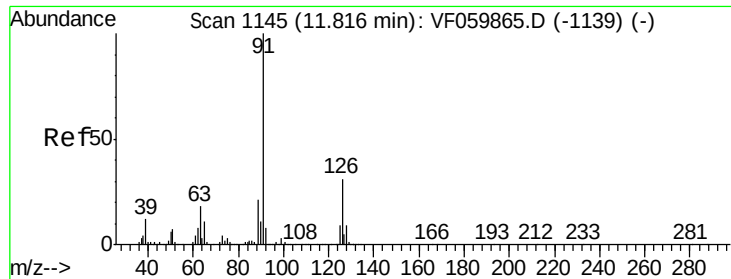
120 20.7 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 49.71 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

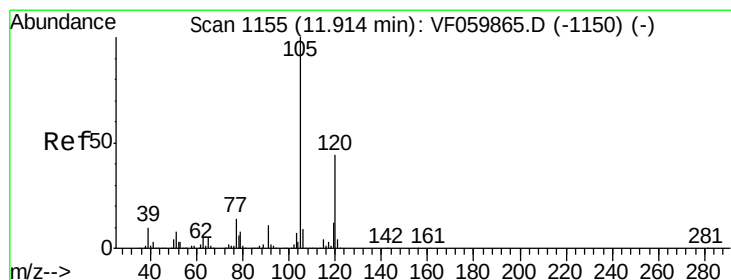
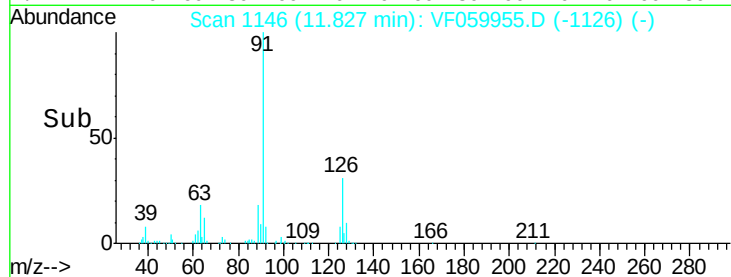
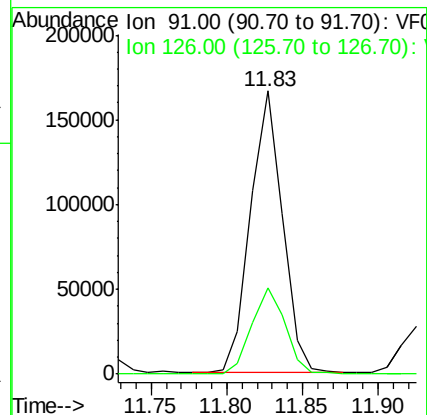
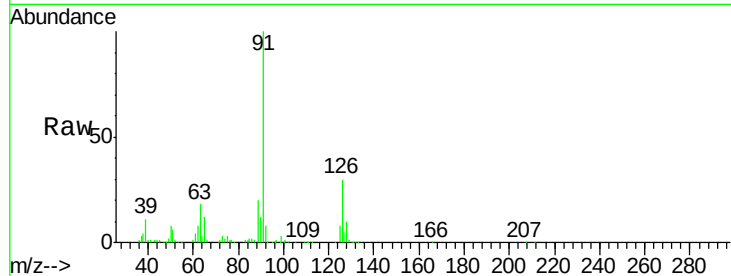
VSTDICCC050

Tot Ion: 91 Resp: 246505

Ion Ratio Lower Upper

91 100

126 30.3 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 51.07 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059955.D

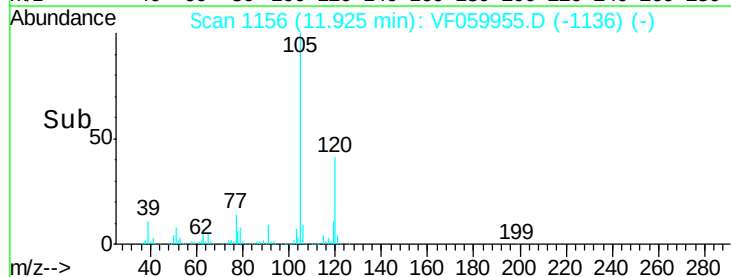
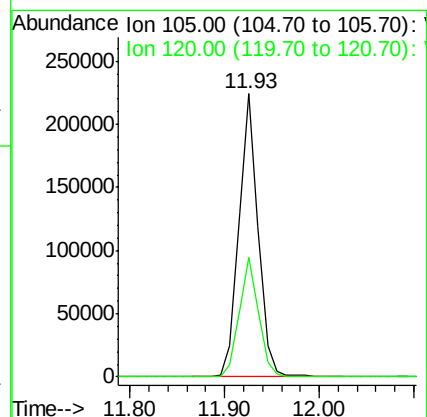
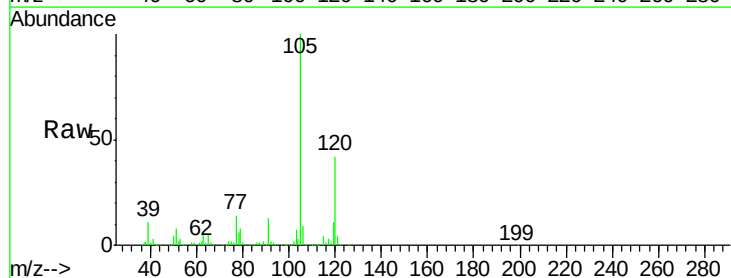
Acq: 14 Aug 2018 20:05

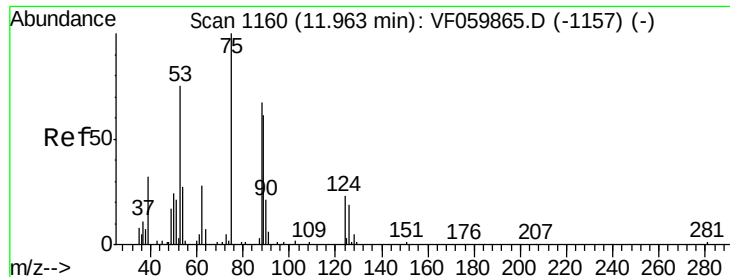
Tgt Ion: 105 Resp: 315567

Ion Ratio Lower Upper

105 100

120 42.2 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 70.54 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

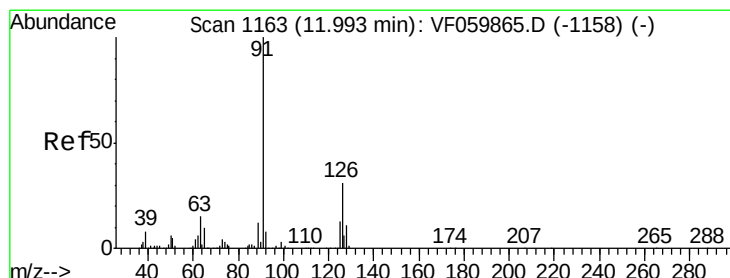
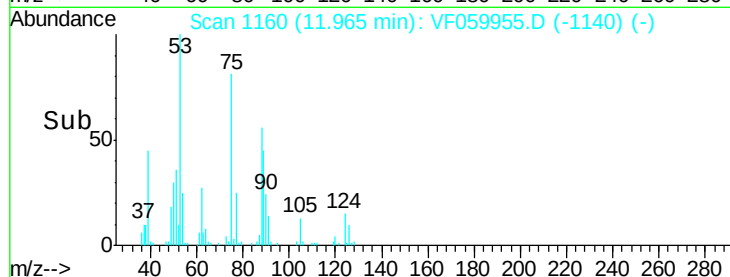
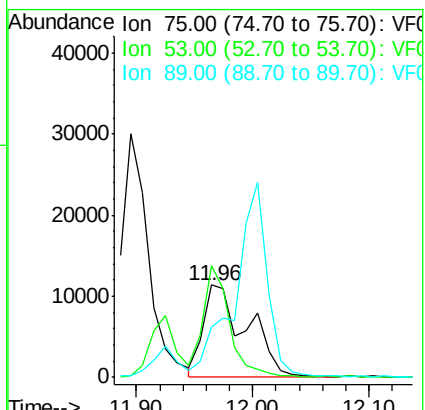
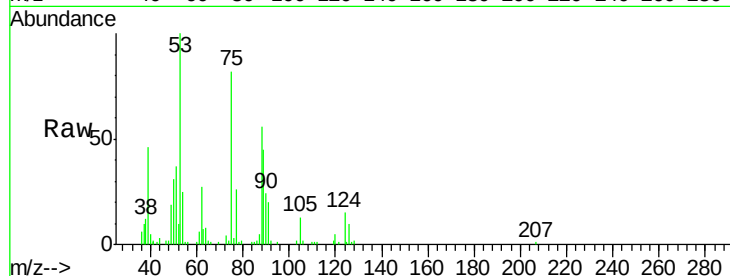
Tot Ion: 75 Resp: 30038

Ion Ratio Lower Upper

75 100

53 121.4 97.1 145.7

89 54.5 43.6 65.4



#82

4-Chlorotoluene

Concen: 49.64 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VF059955.D

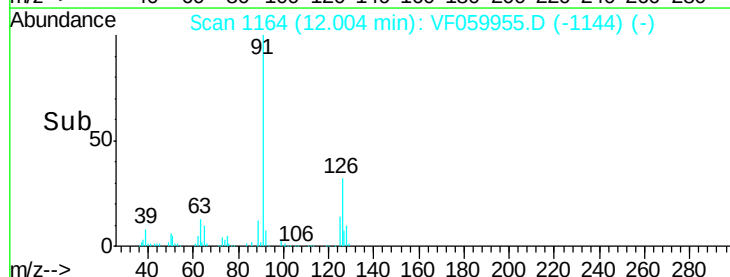
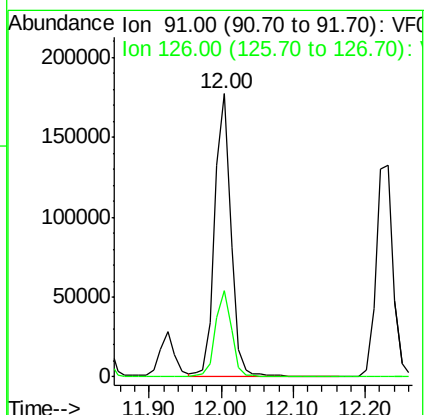
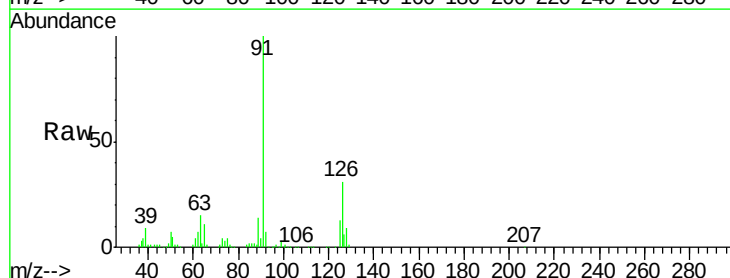
Acq: 14 Aug 2018 20:05

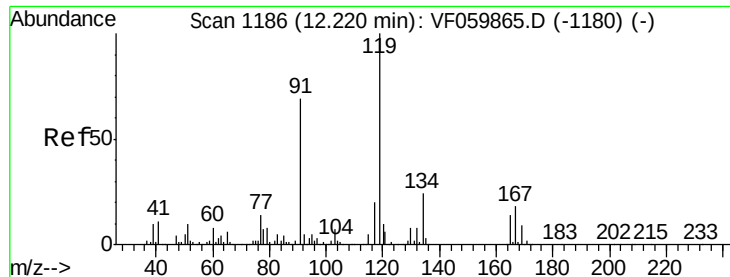
Tgt Ion: 91 Resp: 270485

Ion Ratio Lower Upper

91 100

126 30.5 15.3 45.8





#83

tert-Butylbenzene

Concen: 52.91 ug/l

RT: 12.23 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

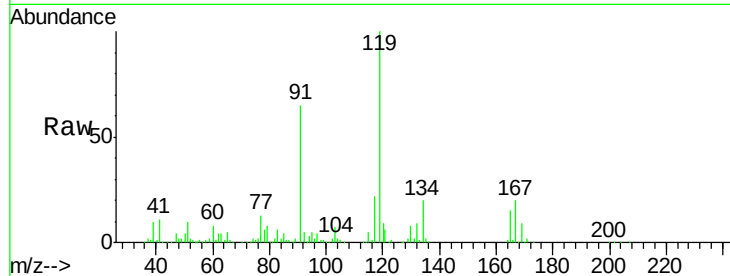
Tot Ion:119 Resp: 320298

Ion Ratio Lower Upper

119 100

91 65.3 32.6 98.0

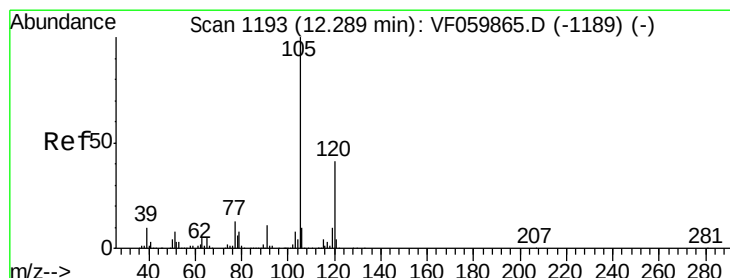
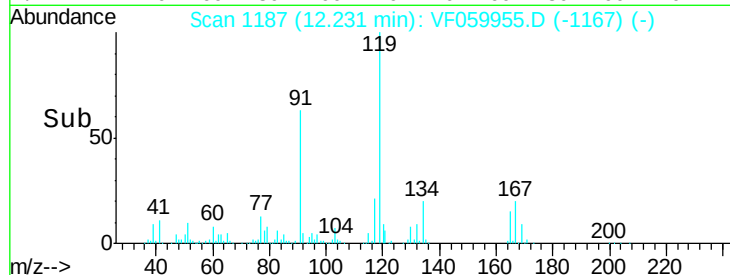
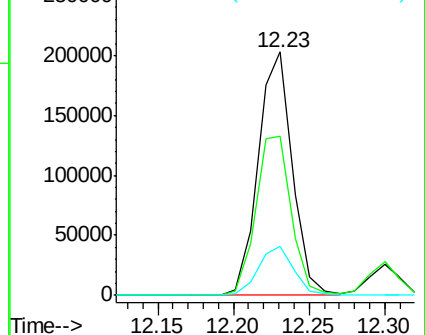
134 20.2 10.1 30.3



Abundance Ion 119.00 (118.70 to 119.70):

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70):



#84

1,2,4-Trimethylbenzene

Concen: 51.88 ug/l

RT: 12.30 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF059955.D

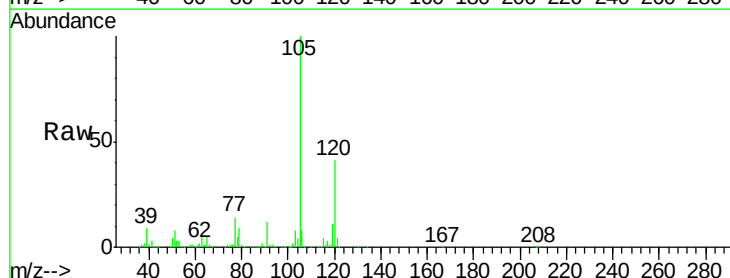
Acq: 14 Aug 2018 20:05

Tgt Ion:105 Resp: 332322

Ion Ratio Lower Upper

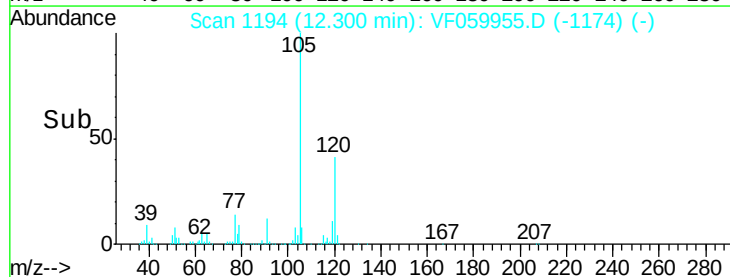
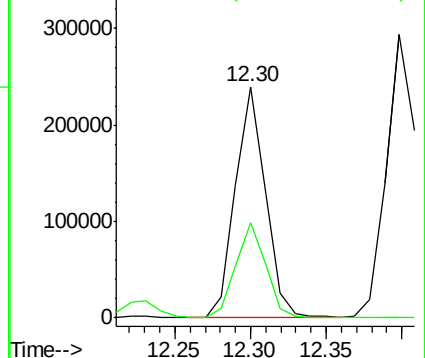
105 100

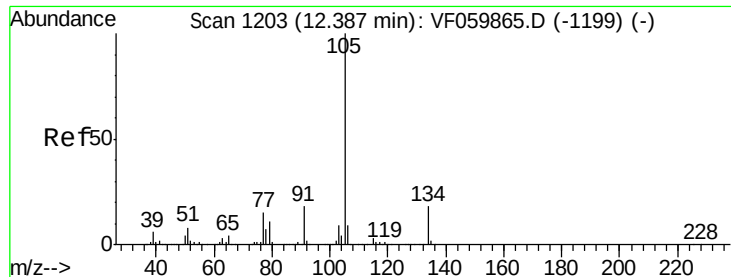
120 41.3 20.6 61.9



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):





#85

sec-Butylbenzene

Concen: 51.60 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

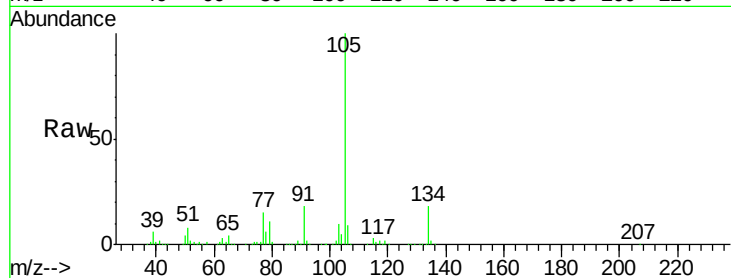
VSTDICCC050

Tot Ion:105 Resp: 414209

Ion Ratio Lower Upper

105 100

134 17.8 8.9 26.7



Abundance Ion 105.00 (104.70 to 105.70):

Ion 134.00 (133.70 to 134.70):

12.40

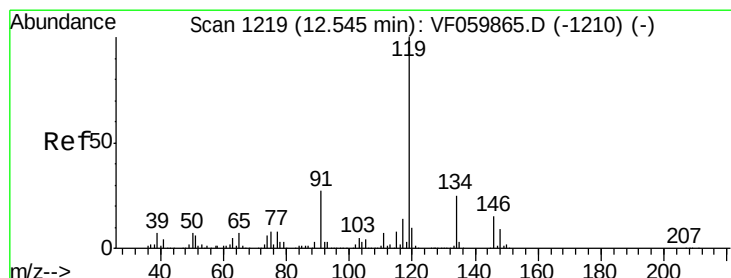
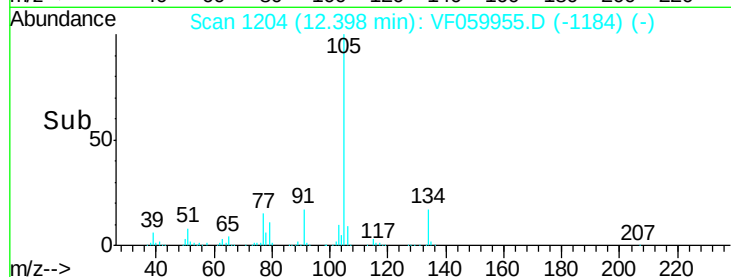
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 53.99 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

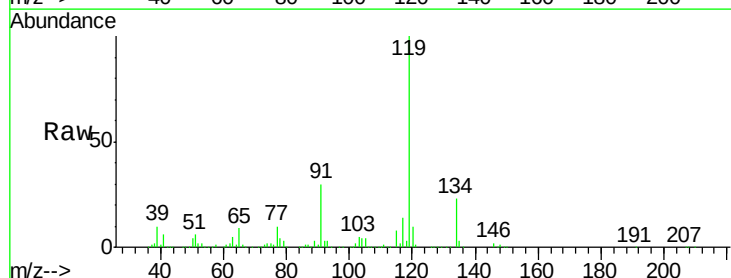
Tgt Ion:119 Resp: 363125

Ion Ratio Lower Upper

119 100

134 22.8 11.4 34.2

91 29.6 14.8 44.4



Abundance Ion 119.00 (118.70 to 119.70):

Ion 134.00 (133.70 to 134.70):

Ion 91.00 (90.70 to 91.70):

12.55

300000

250000

200000

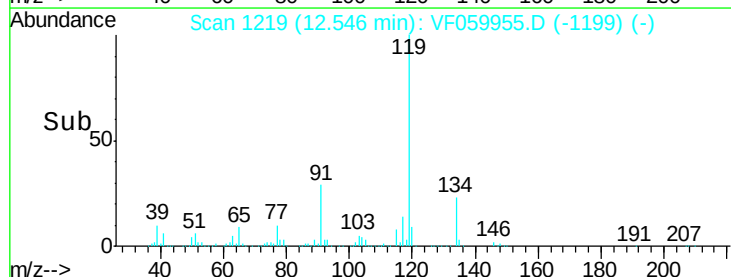
150000

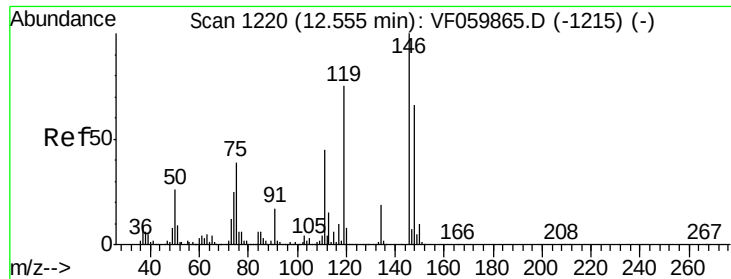
100000

50000

0

Time--> 12.50 12.60

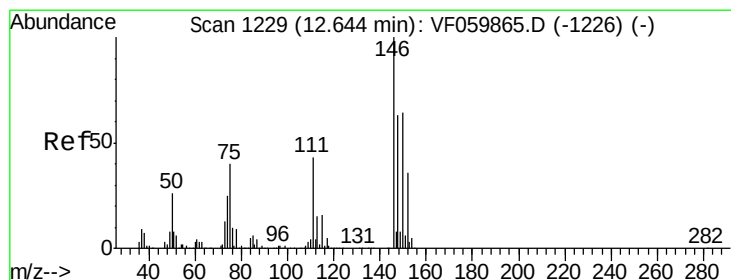
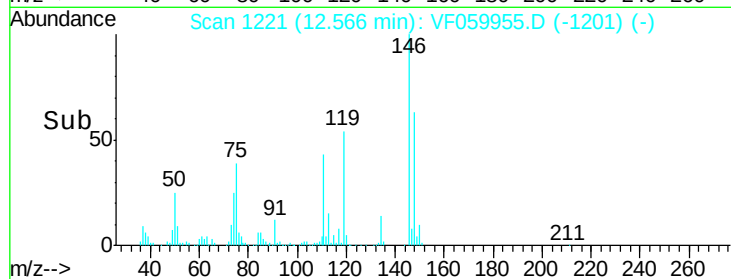
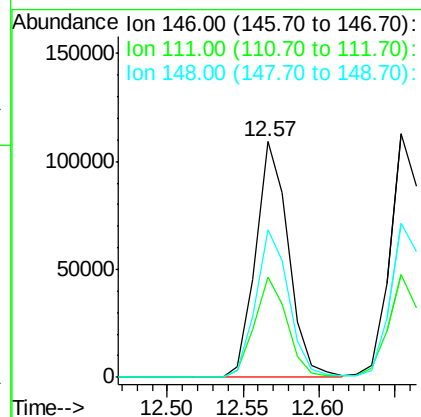
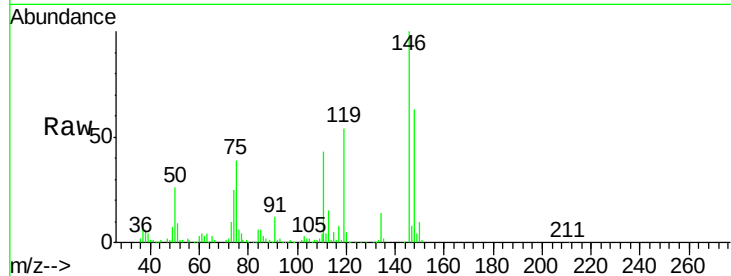




#87
 1,3-Dichlorobenzene
 Concen: 48.17 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

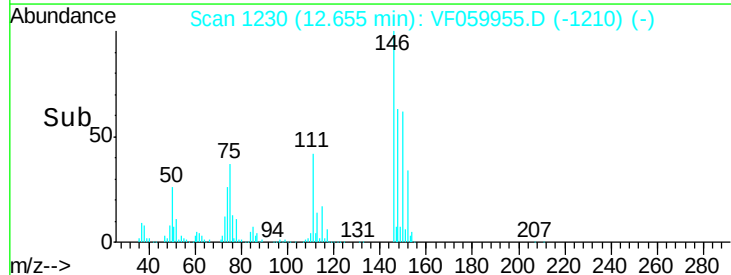
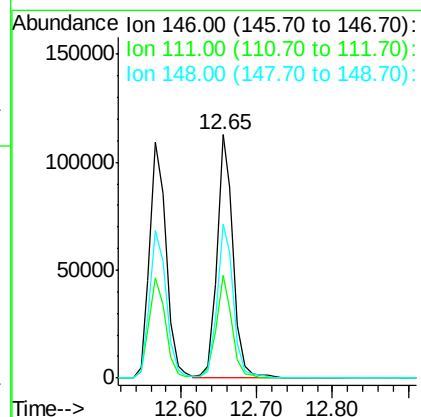
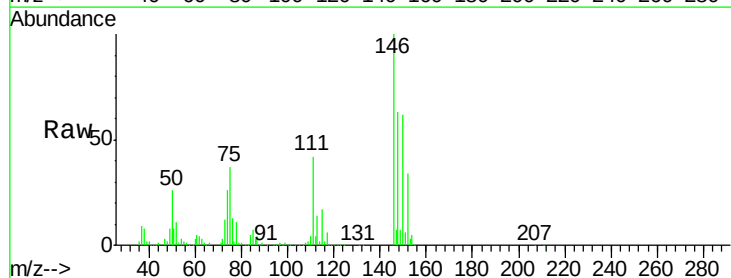
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

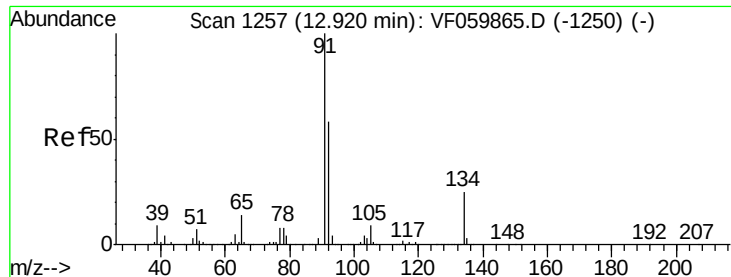
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	62.9	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 50.23 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.4	31.7	95.1

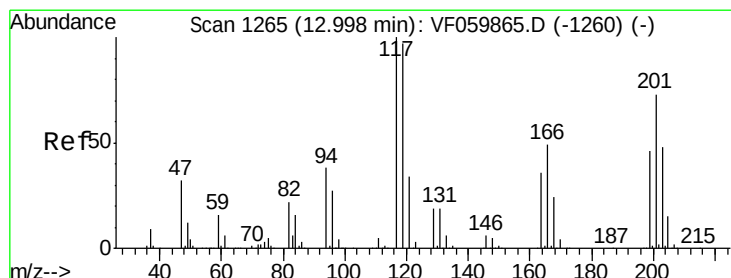
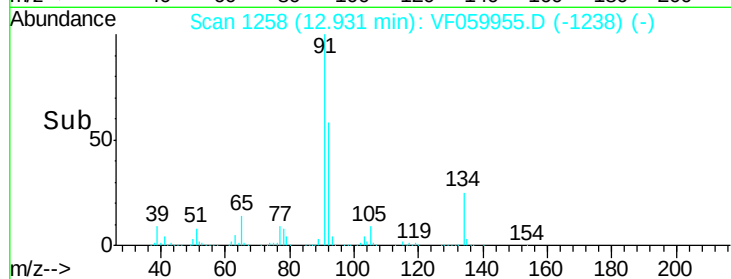
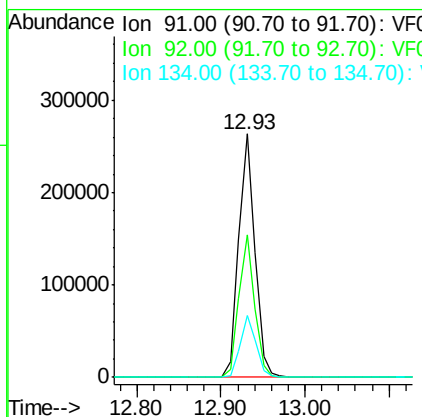
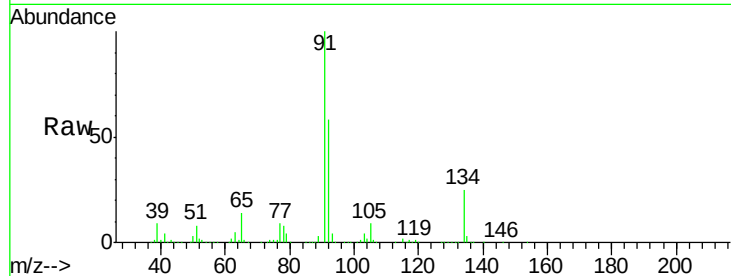




#89
n-Butylbenzene
Concen: 54.44 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

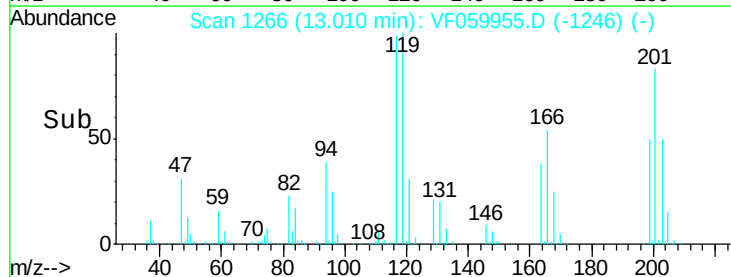
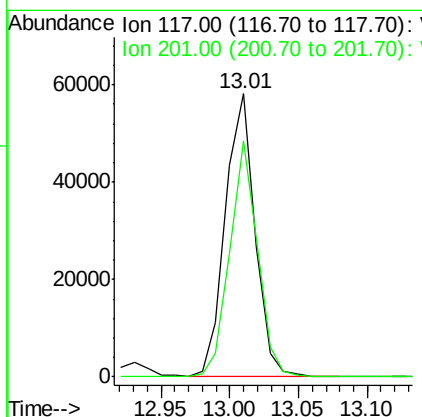
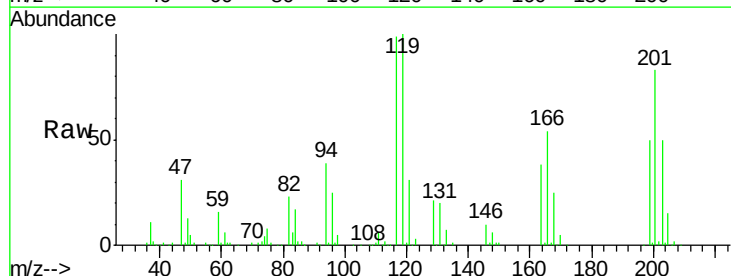
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

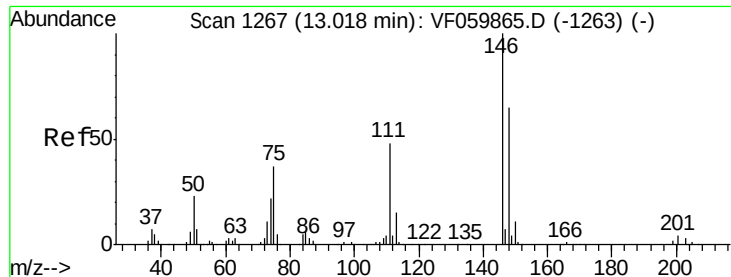
Tot Ion: 91 Resp: 353160
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 25.5 12.8 38.3



#90
Hexachloroethane
Concen: 47.54 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion: 117 Resp: 87167
Ion Ratio Lower Upper
117 100
201 83.5 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 48.61 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

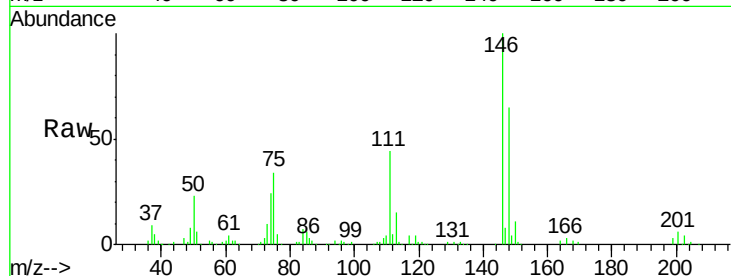
Tot Ion:146 Resp: 160243

Ion Ratio Lower Upper

146 100

111 44.0 22.0 66.0

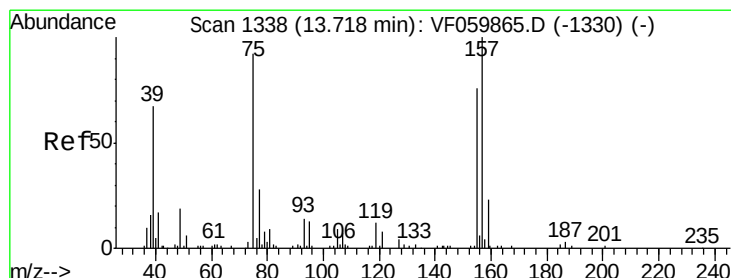
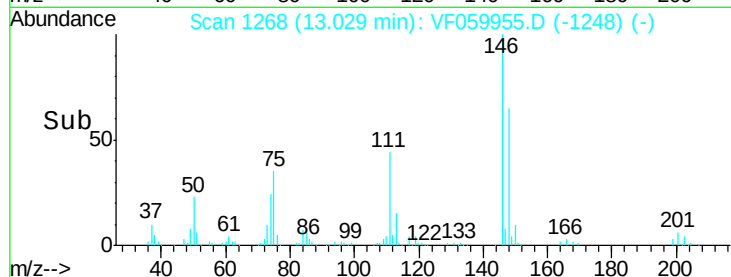
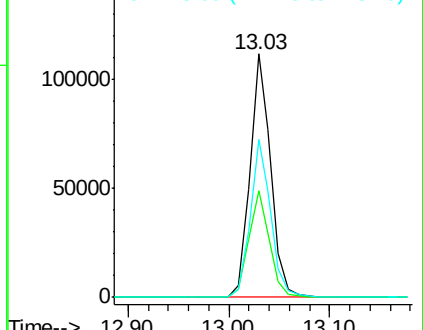
148 64.7 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70):

Ion 111.00 (110.70 to 111.70):

Ion 148.00 (147.70 to 148.70):



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.79 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VF059955.D

Acq: 14 Aug 2018 20:05

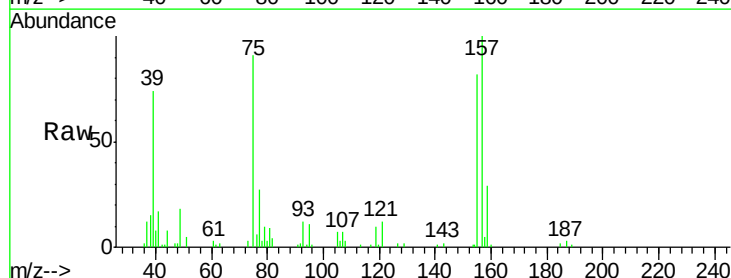
Tgt Ion: 75 Resp: 16221

Ion Ratio Lower Upper

75 100

155 89.3 44.6 134.0

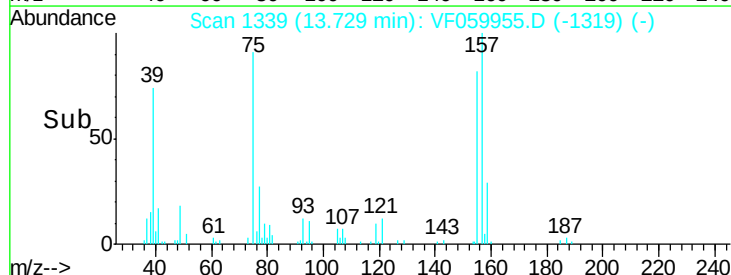
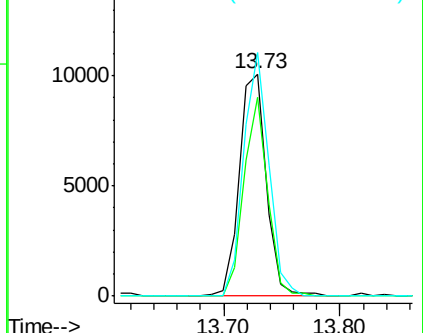
157 109.5 54.8 164.3

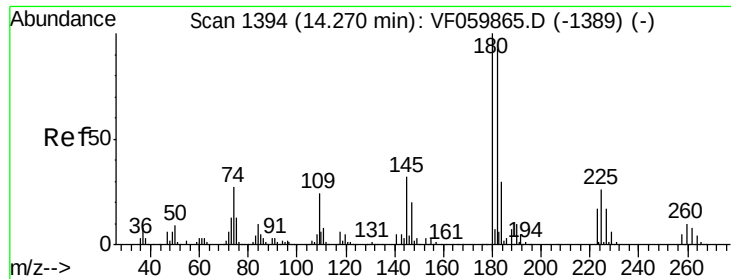


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70):

Ion 157.00 (156.70 to 157.70):

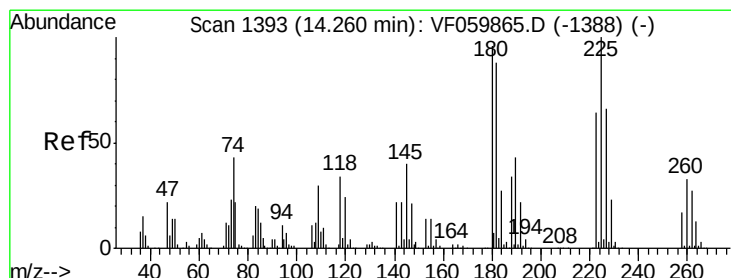
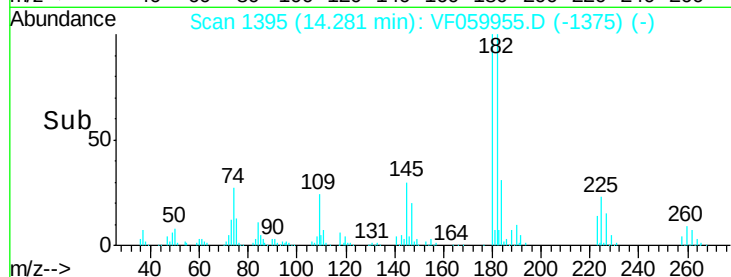
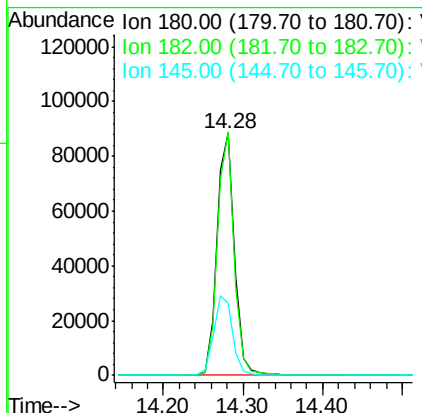
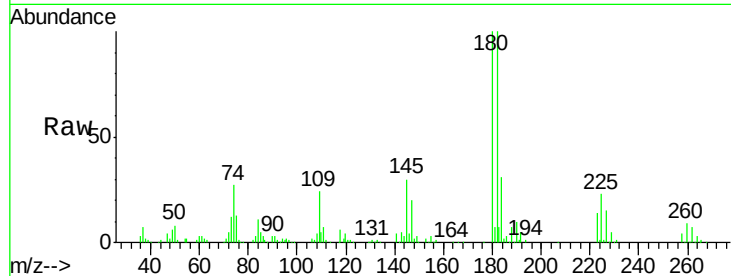




#93
 1,2,4-Trichlorobenzene
 Concen: 54.00 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

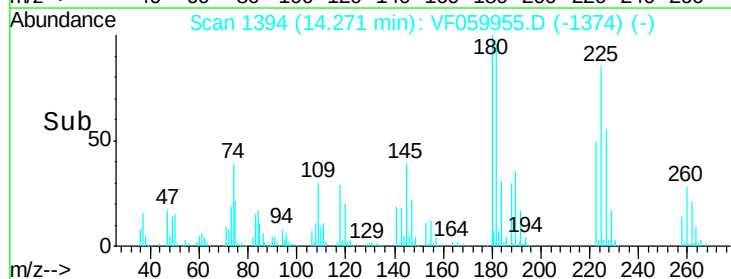
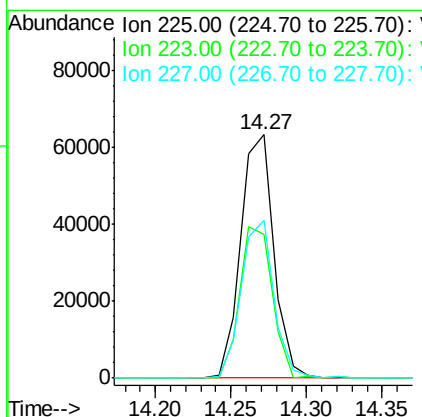
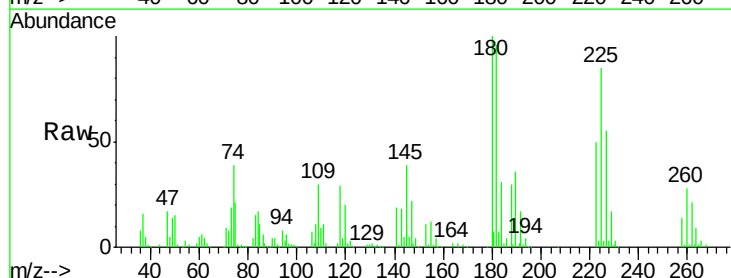
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

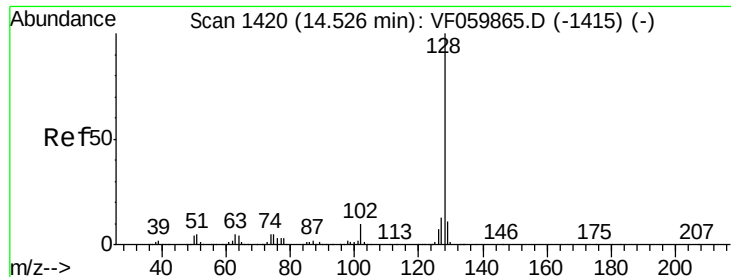
Tot Ion:180 Resp: 136951
 Ion Ratio Lower Upper
 180 100
 182 100.5 50.2 150.7
 145 29.9 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 53.58 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059955.D
 Acq: 14 Aug 2018 20:05

Tgt Ion:225 Resp: 96180
 Ion Ratio Lower Upper
 225 100
 223 59.2 29.6 88.8
 227 65.0 32.5 97.5

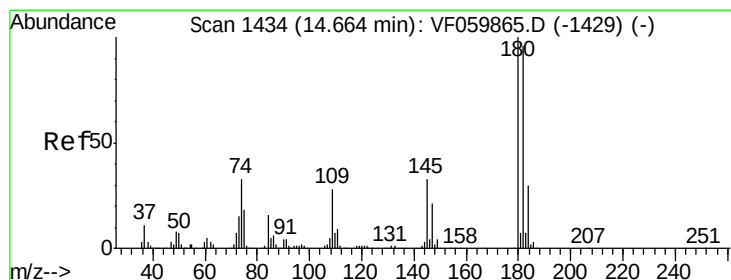
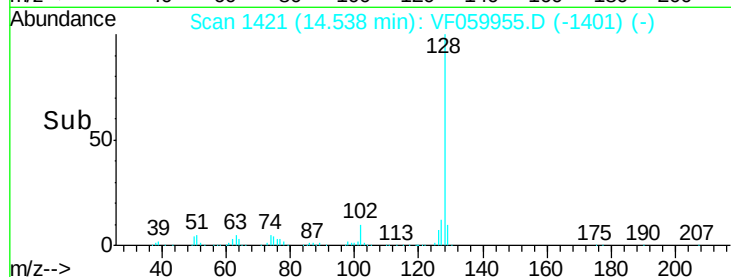
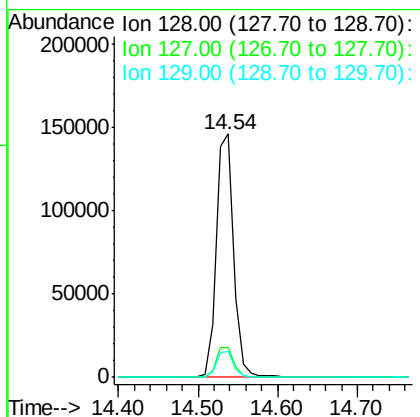
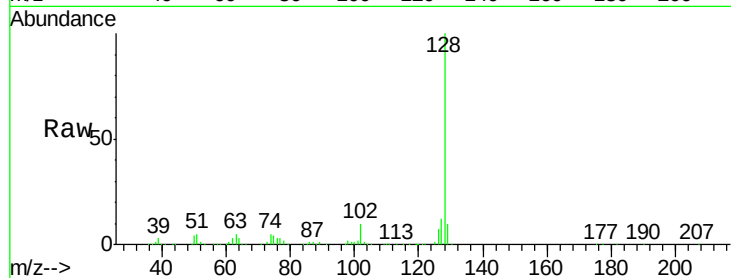




#95
Naphthalene
Concen: 52.27 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.5	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 52.66 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059955.D
Acq: 14 Aug 2018 20:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	35.2	17.6	52.8

