

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
 Data File : VF058112.D
 Acq On : 6 Jun 2018 17:41
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 07 05:58:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 05:56:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	342110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	528142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	544945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	302506	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	208317	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	4.30	113	201721	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	7.71	98	596263	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.51	95	285459	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	188501	45.63	ug/l	100
3) Chloromethane	1.08	50	151746	46.36	ug/l	100
4) Vinyl Chloride	1.15	62	137367	50.26	ug/l	100
5) Bromomethane	1.34	94	76668	49.55	ug/l	100
6) Chloroethane	1.43	64	58871	50.57	ug/l	100
7) Trichlorofluoromethane	1.49	101	75955	18.30	ug/l	100
8) Diethyl Ether	1.70	74	53110	52.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	134792	52.69	ug/l	100
10) Methyl Iodide	1.96	142	154265	33.91	ug/l	100
11) Tert butyl alcohol	2.68	59	63014	259.18	ug/l	100
12) 1,1-Dichloroethene	1.85	96	117461	52.76	ug/l	100
13) Acrolein	2.09	56	49061	310.20	ug/l	100
14) Allyl chloride	2.19	41	216471	50.86	ug/l	100
15) Acrylonitrile	3.08	53	143417	255.16	ug/l	100
16) Acetone	2.33	43	245938	264.15	ug/l	100
17) Carbon Disulfide	1.84	76	326618	51.13	ug/l	100
18) Methyl Acetate	2.44	43	79807	45.96	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	350307	50.25	ug/l	100
20) Methylene Chloride	2.27	84	74400	32.64	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	122271	50.88	ug/l	100
22) Diisopropyl ether	2.92	45	416432	49.98	ug/l	100
23) Vinyl Acetate	3.33	43	1452554	237.96	ug/l	100
24) 1,1-Dichloroethane	2.99	63	254621	49.34	ug/l	100
25) 2-Butanone	4.50	43	355144	235.15	ug/l	100
26) 2,2-Dichloropropane	3.75	77	189739	52.02	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	192167	48.09	ug/l	100
28) Bromochloromethane	3.89	49	110025	48.26	ug/l	100
29) Tetrahydrofuran	4.25	42	163731	234.86	ug/l	100
30) Chloroform	4.03	83	382062	49.35	ug/l	100
31) Cyclohexane	3.86	56	228847	47.12	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	283800	51.64	ug/l	100
36) 1,1-Dichloropropene	4.45	75	272514	51.02	ug/l	100
37) Ethyl Acetate	4.29	43	153921	48.87	ug/l	100
38) Carbon Tetrachloride	4.17	117	340638	60.03	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	282730	51.22	ug/l	100
40) Benzene	4.81	78	610506	48.82	ug/l	100
41) Methacrylonitrile	4.92	41	78632	49.30	ug/l	100
42) 1,2-Dichloroethane	5.11	62	283411	52.77	ug/l	100
43) Isopropyl Acetate	7.11	43	204359	47.86	ug/l	100
44) Trichloroethene	5.68	130	188808	48.47	ug/l	100
45) 1,2-Dichloropropane	6.39	63	176994	48.68	ug/l	100
46) Dibromomethane	6.25	93	138301	50.39	ug/l	100
47) Bromodichloromethane	6.54	83	312811	51.66	ug/l	100
48) Methyl methacrylate	6.87	41	136254	50.48	ug/l	100
49) 1,4-Dioxane	6.87	88	19514	1047.73	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	705541	238.01	ug/l	100
52) Toluene	7.77	92	438740	49.41	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	276197	47.74	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	338004	50.86	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	163011	50.49	ug/l	100
56) Ethyl methacrylate	8.76	69	195720	47.94	ug/l	100
57) 1,3-Dichloropropane	9.00	76	278607	49.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	68977	244.38	ug/l	100
59) 2-Hexanone	9.63	43	550913	237.34	ug/l	100
60) Dibromochloromethane	8.86	129	235535	51.31	ug/l	100
61) 1,2-Dibromoethane	9.14	107	186693	48.47	ug/l	100
64) Tetrachloroethene	8.31	164	202719	49.28	ug/l	100
65) Chlorobenzene	9.94	112	538148	48.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	211460	49.00	ug/l	100
67) Ethyl Benzene	10.04	91	952535	49.08	ug/l	100
68) m/p-Xylenes	10.27	106	649423	90.26	ug/l	100
69) o-Xylene	10.83	106	375611	47.93	ug/l	100
70) Styrene	10.90	104	567869	48.33	ug/l	100
71) Bromoform	10.89	173	145529	49.03	ug/l	100
73) Isopropylbenzene	11.22	105	1064618	49.56	ug/l	100
74) N-amyl acetate	11.46	43	358898	44.80	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	240997	46.83	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	176093	46.90	ug/l	100
77) Bromobenzene	11.59	156	264527	49.41	ug/l	100
78) n-propylbenzene	11.69	91	1254259	48.86	ug/l	100
79) 2-Chlorotoluene	11.82	91	727379	47.97	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	881504	49.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	112889	47.47	ug/l	100
82) 4-Chlorotoluene	11.99	91	772813	48.33	ug/l	100
83) tert-Butylbenzene	12.21	119	891563	50.05	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	945314	51.17	ug/l	100
85) sec-Butylbenzene	12.39	105	1188624	49.27	ug/l	100
86) p-Isopropyltoluene	12.54	119	1008707	50.15	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	480604	48.70	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	472459	49.87	ug/l	100
89) n-Butylbenzene	12.92	91	1044526	49.83	ug/l	100
90) Hexachloroethane	12.99	117	243482	50.19	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	461195	48.14	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	50338	51.29	ug/l	100

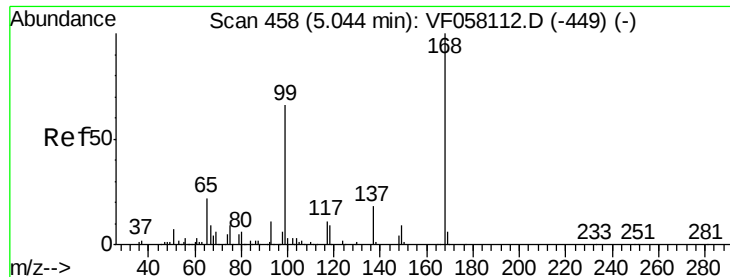
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QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	332394	49.47	ug/l	100
94) Hexachlorobutadiene	14.25	225	199977	51.55	ug/l	100
95) Naphthalene	14.53	128	709546	49.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	321827	50.84	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

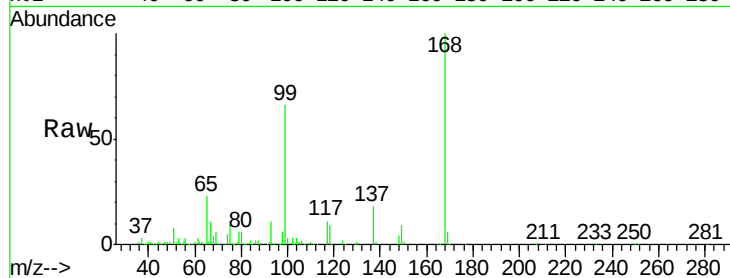
VSTDICCC050

Tgt Ion:168 Resp: 342110

Ion Ratio Lower Upper

168 100

99 66.1 52.9 79.3

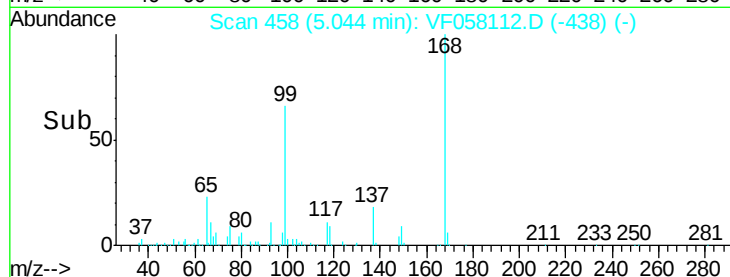


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



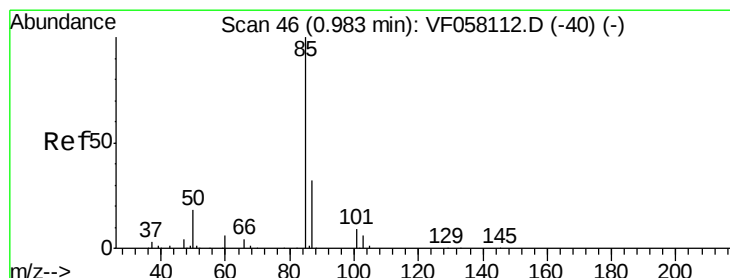
Abundance

Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#2

Dichlorodifluoromethane

Concen: 45.63 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF058112.D

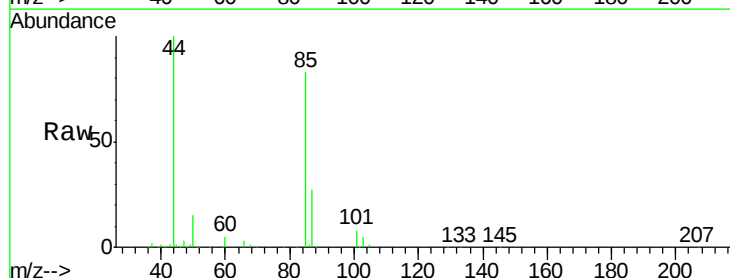
Acq: 6 Jun 2018 17:41

Tgt Ion: 85 Resp: 188501

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6

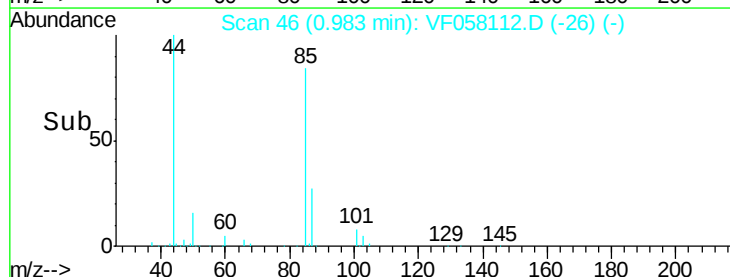


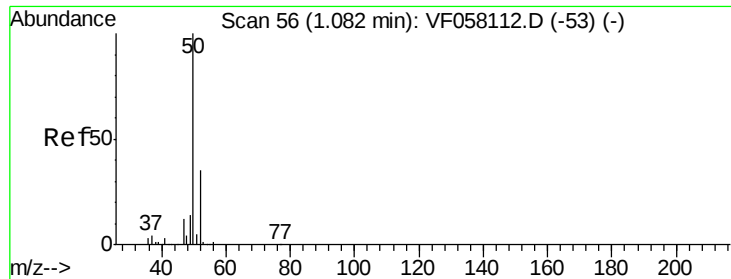
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

Time-->





#3

Chloromethane

Concen: 46.36 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

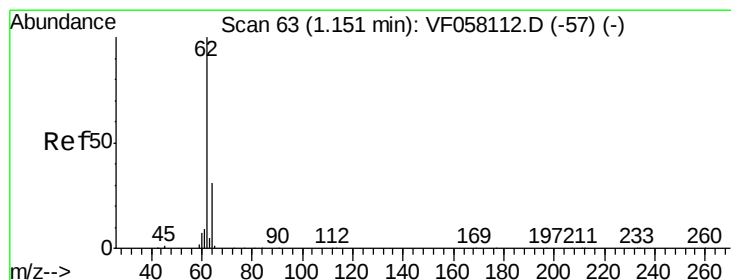
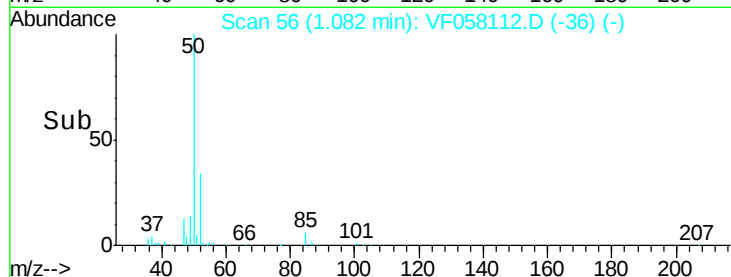
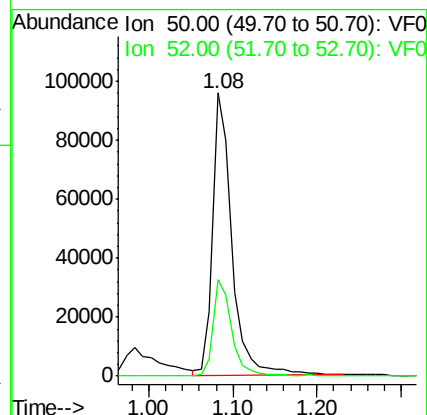
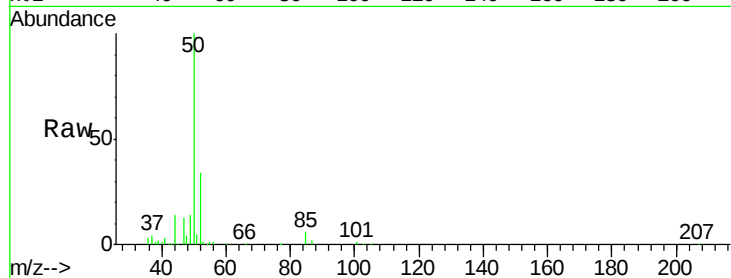
VSTDICCC050

Tgt Ion: 50 Resp: 151746

Ion Ratio Lower Upper

50 100

52 34.1 27.3 40.9



#4

Vinyl Chloride

Concen: 50.26 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF058112.D

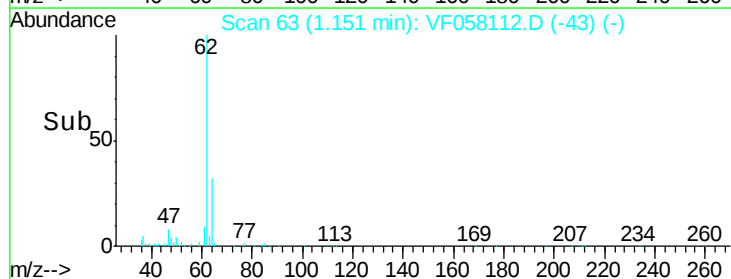
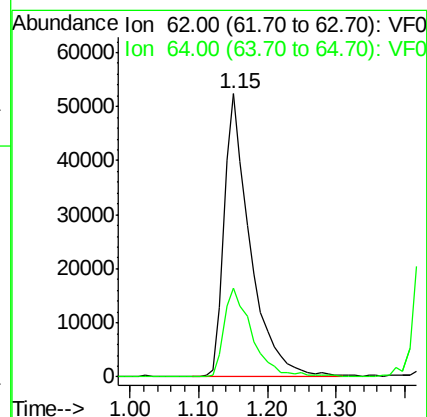
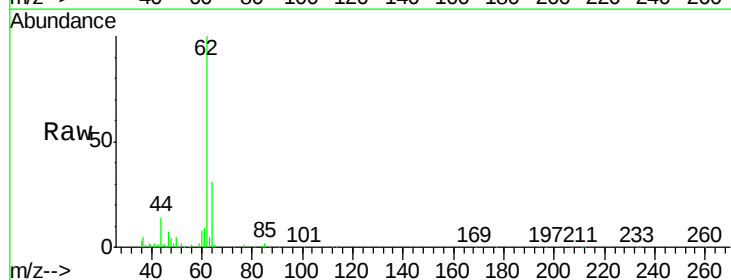
Acq: 6 Jun 2018 17:41

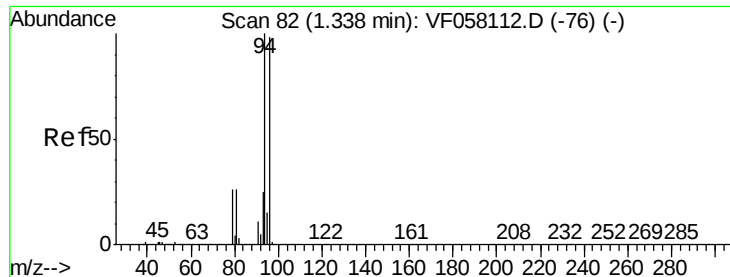
Tgt Ion: 62 Resp: 137367

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 49.55 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

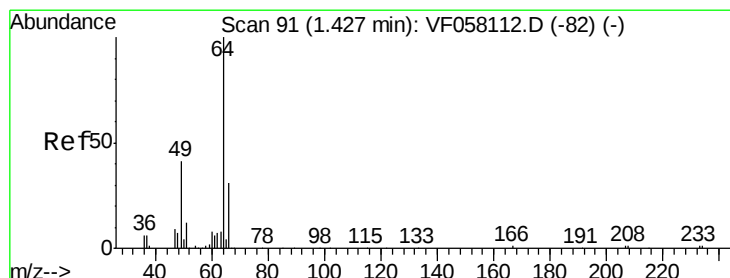
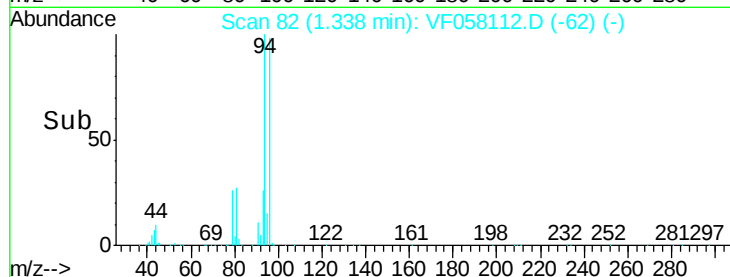
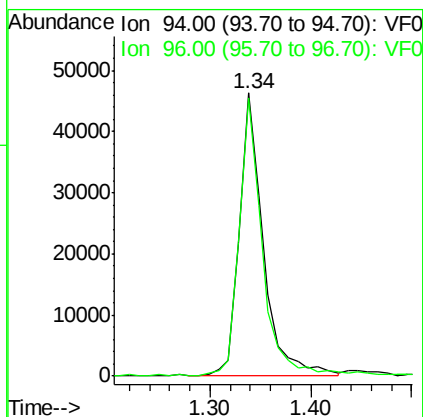
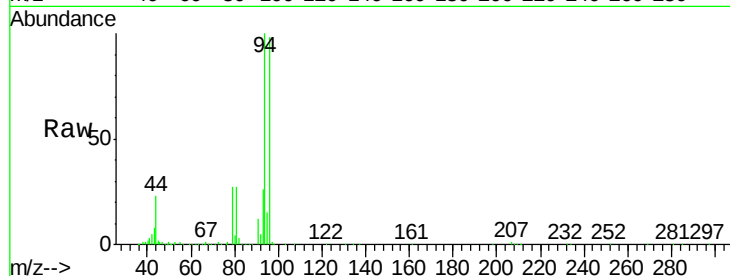
VSTDICCC050

Tgt Ion: 94 Resp: 76668

Ion Ratio Lower Upper

94 100

96 98.2 78.6 117.8



#6

Chloroethane

Concen: 50.57 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF058112.D

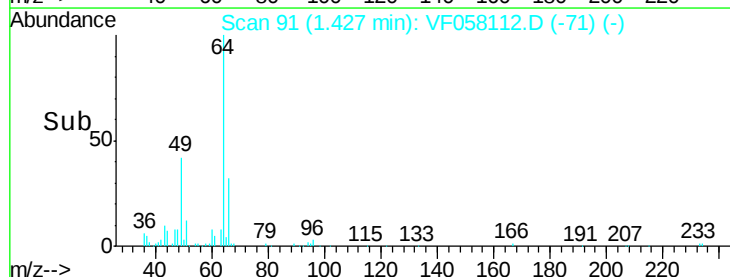
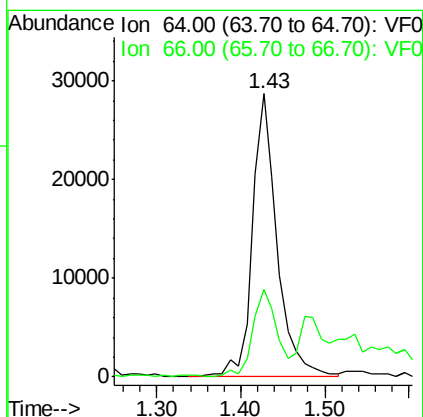
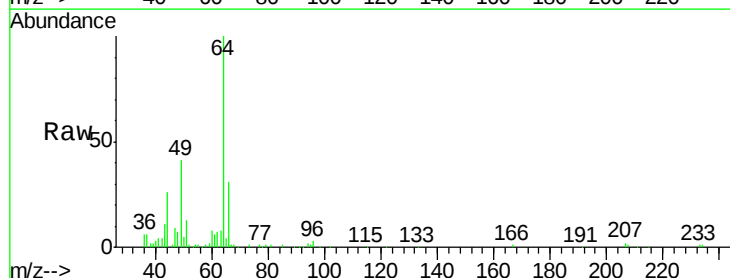
Acq: 6 Jun 2018 17:41

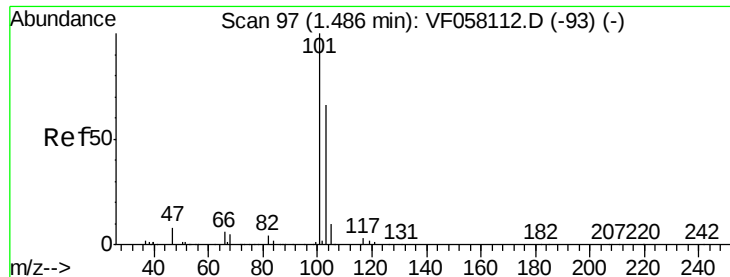
Tgt Ion: 64 Resp: 58871

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3





#7

Trichlorofluoromethane

Concen: 18.30 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

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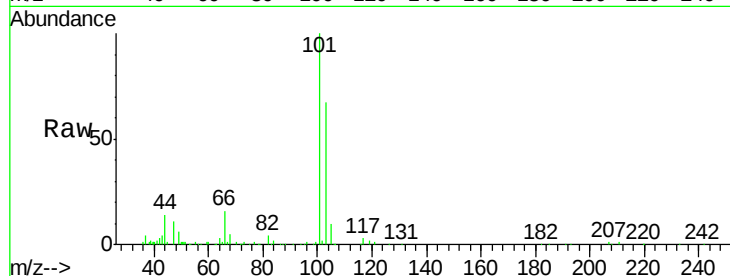
VSTDICCC050

Tgt Ion:101 Resp: 75955

Ion Ratio Lower Upper

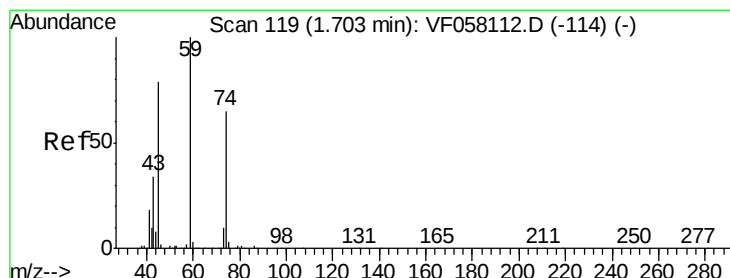
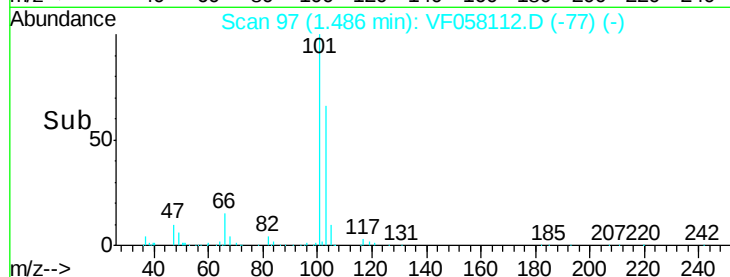
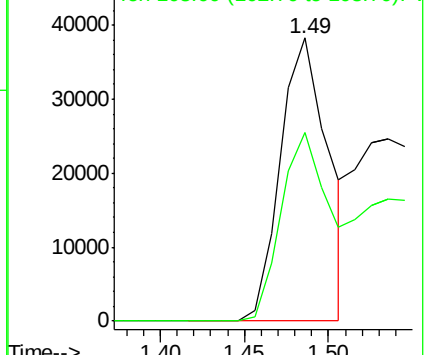
101 100

103 66.8 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.54 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF058112.D

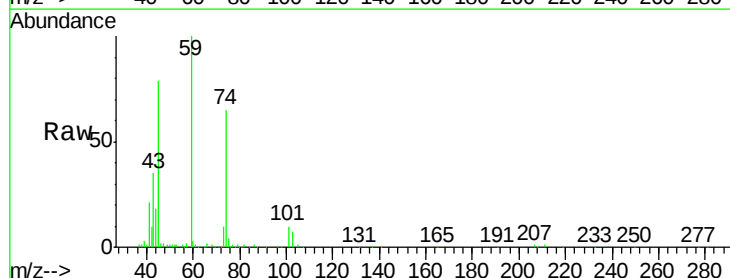
Acq: 6 Jun 2018 17:41

Tgt Ion: 74 Resp: 53110

Ion Ratio Lower Upper

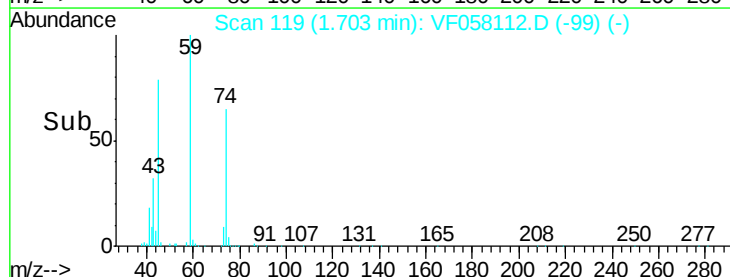
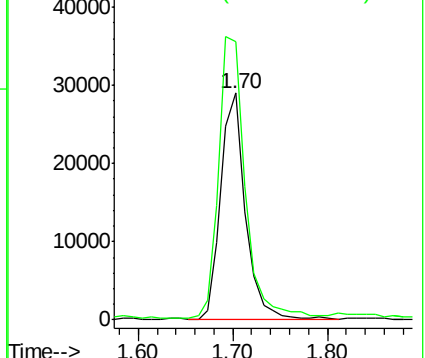
74 100

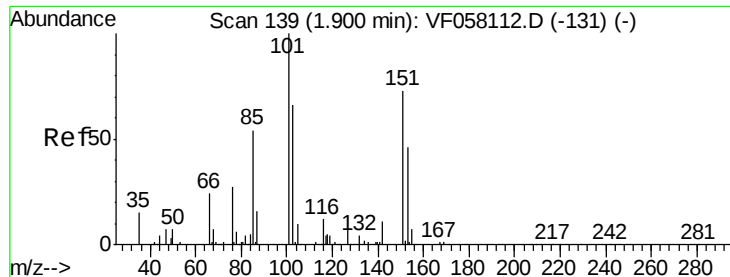
45 122.9 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.69 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

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ClientSampleId :

VSTDICCC050

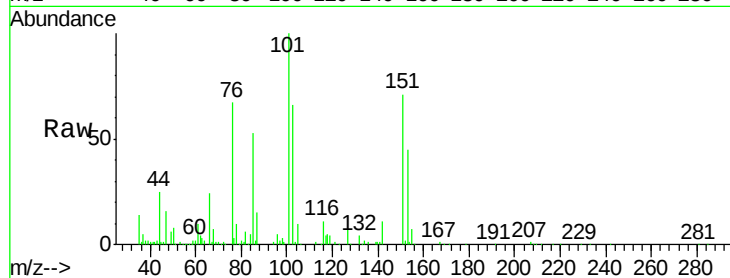
Tgt Ion:101 Resp: 134792

Ion Ratio Lower Upper

101 100

85 52.8 42.2 63.4

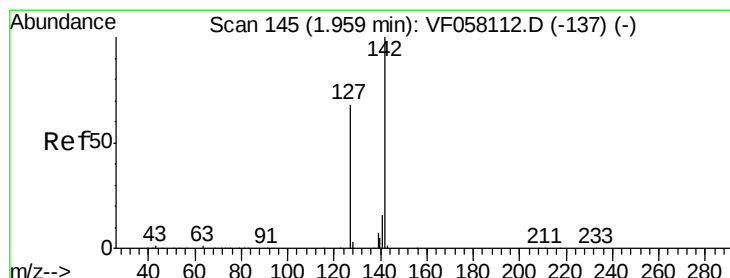
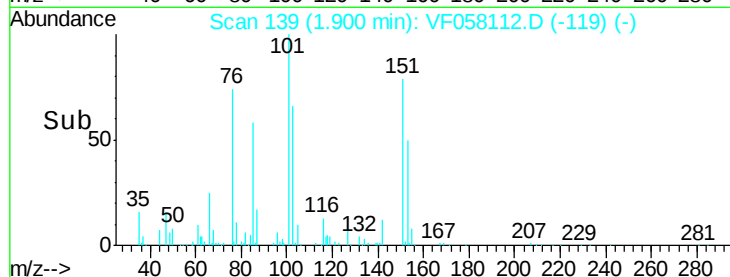
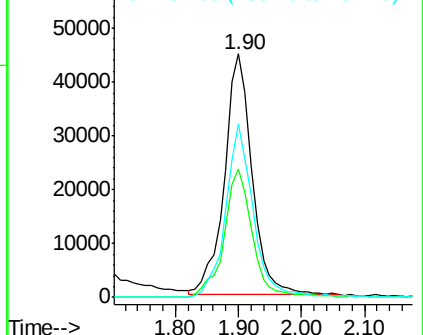
151 71.0 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 33.91 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

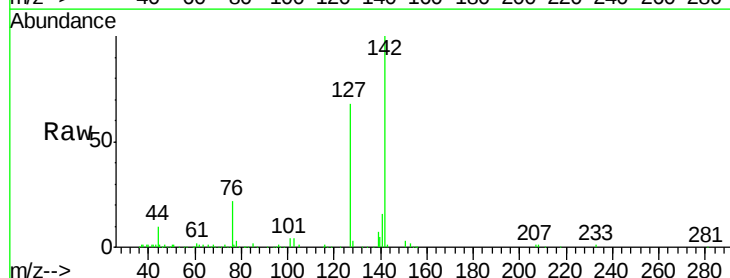
Tgt Ion:142 Resp: 154265

Ion Ratio Lower Upper

142 100

127 67.6 54.1 81.1

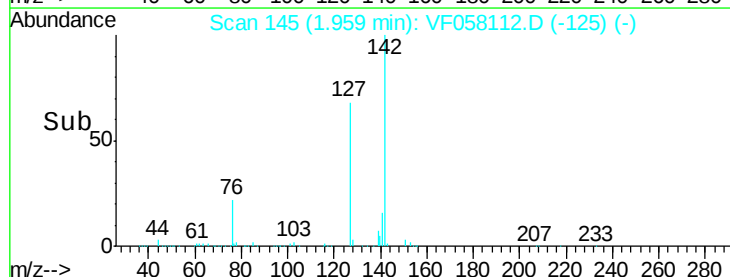
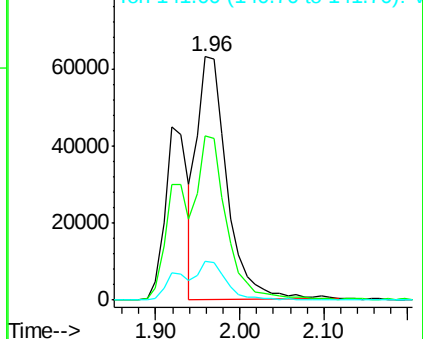
141 16.2 13.0 19.4

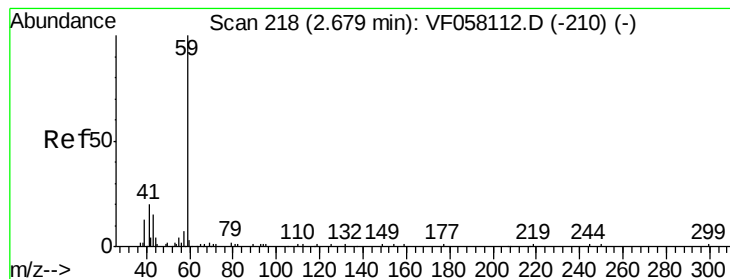


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



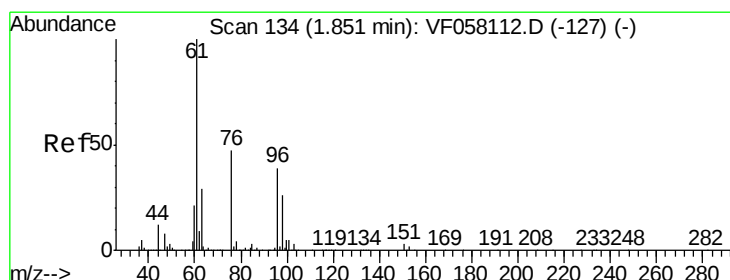
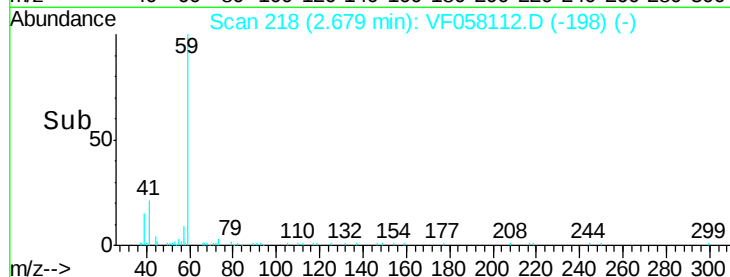
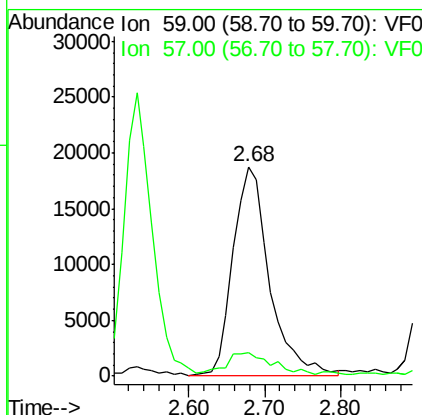
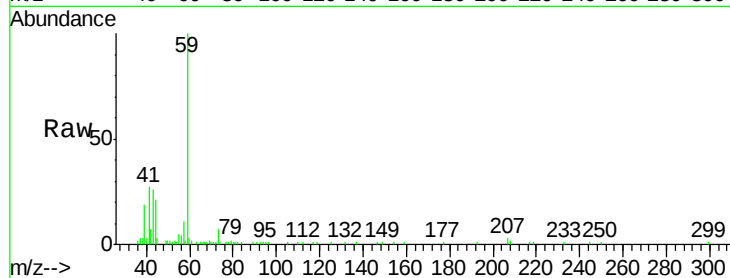


#11

Tert butyl alcohol
 Concen: 259.18 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

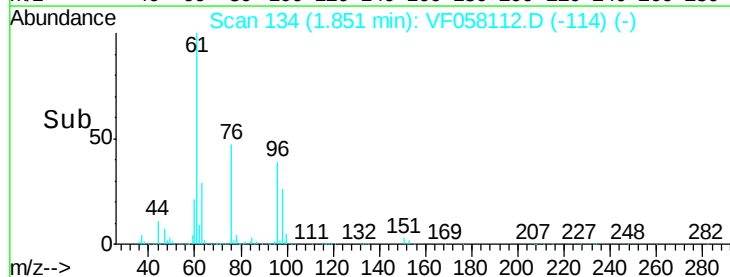
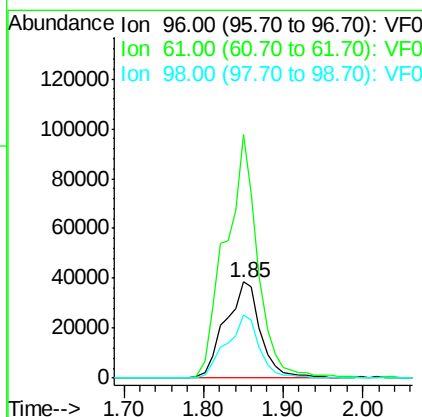
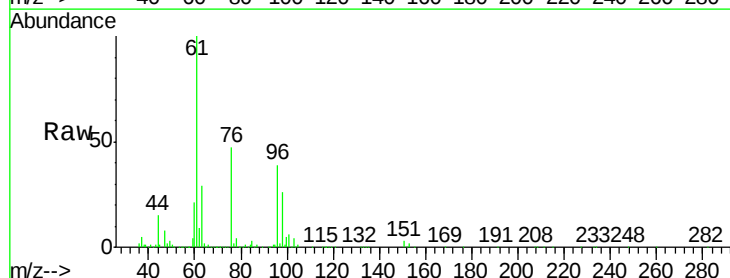
Tgt Ion: 59 Resp: 63014
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

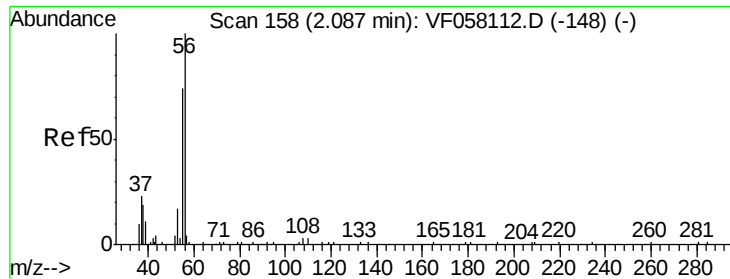


#12

1,1-Dichloroethene
 Concen: 52.76 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 96 Resp: 117461
 Ion Ratio Lower Upper
 96 100
 61 253.7 203.0 304.4
 98 65.9 52.7 79.1





#13

Acrolein

Concen: 310.20 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

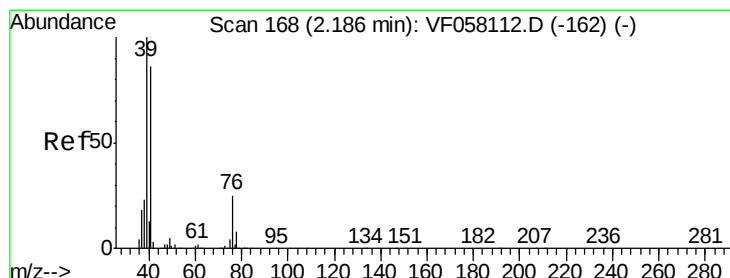
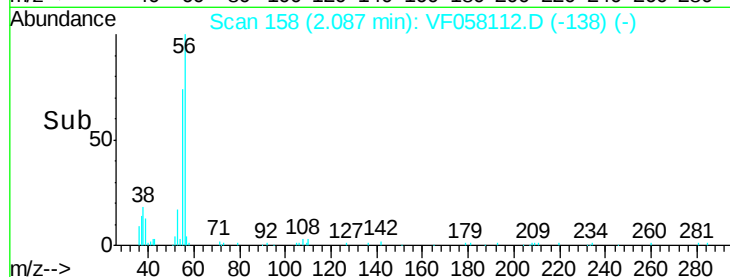
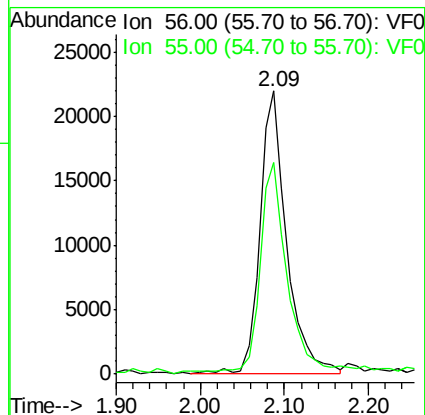
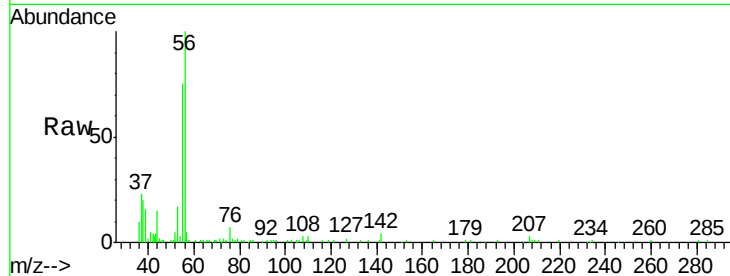
VSTDICCC050

Tgt Ion: 56 Resp: 49061

Ion Ratio Lower Upper

56 100

55 75.0 60.0 90.0



#14

Allyl chloride

Concen: 50.86 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

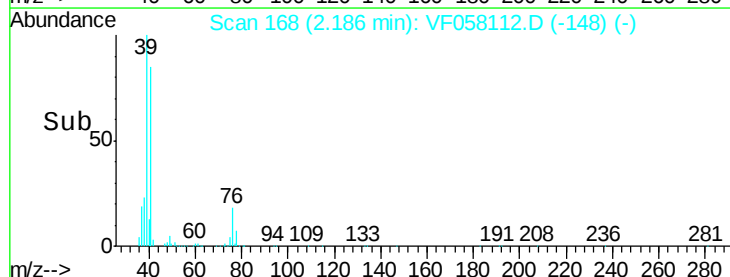
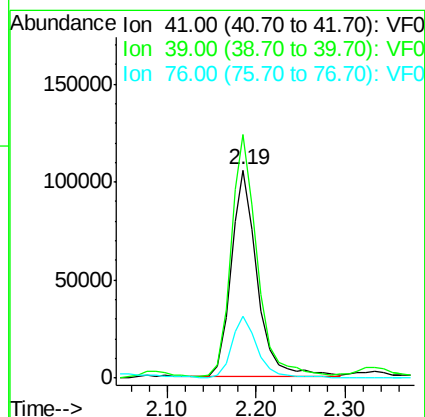
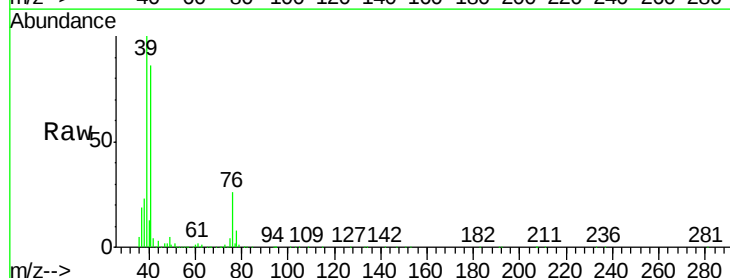
Tgt Ion: 41 Resp: 216471

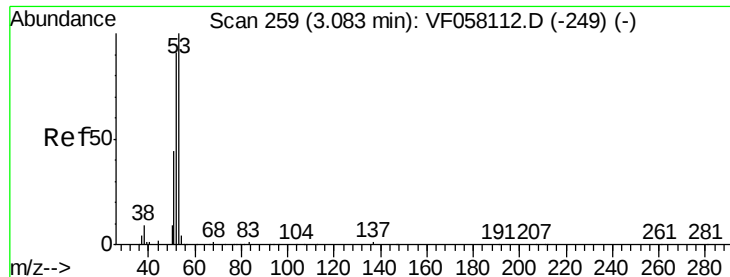
Ion Ratio Lower Upper

41 100

39 116.9 93.5 140.3

76 29.9 23.9 35.9





#15

Acrylonitrile

Concen: 255.16 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

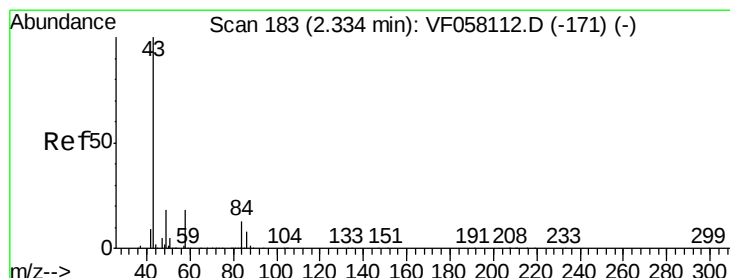
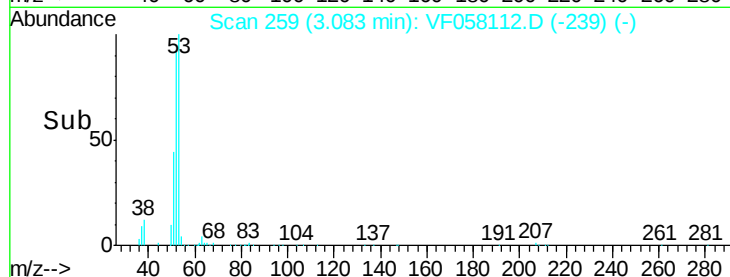
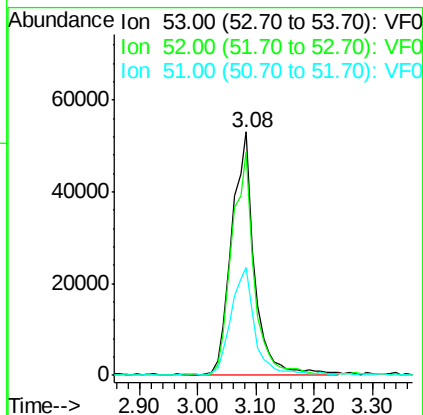
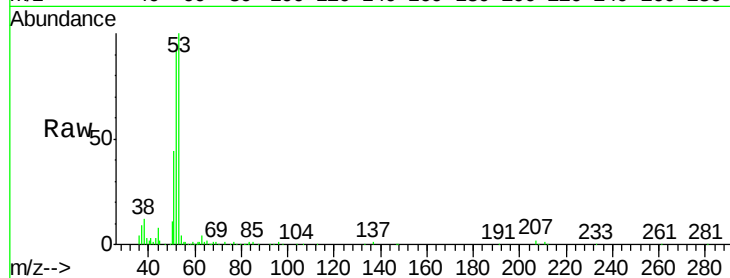
Tgt Ion: 53 Resp: 143417

Ion Ratio Lower Upper

53 100

52 91.5 73.2 109.8

51 44.5 35.6 53.4



#16

Acetone

Concen: 264.15 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF058112.D

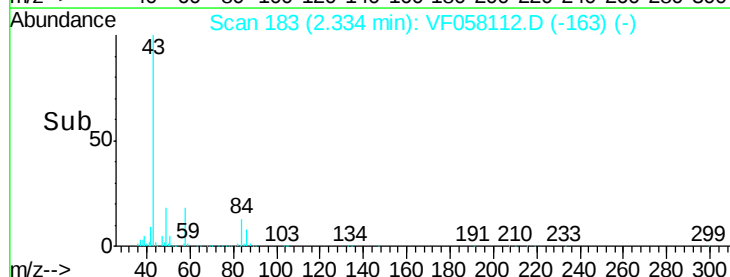
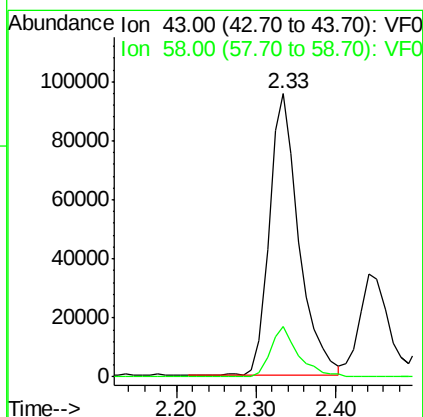
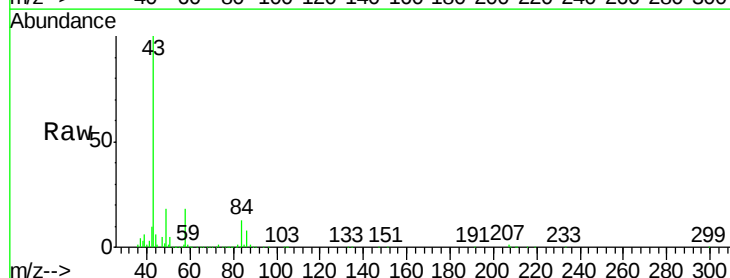
Acq: 6 Jun 2018 17:41

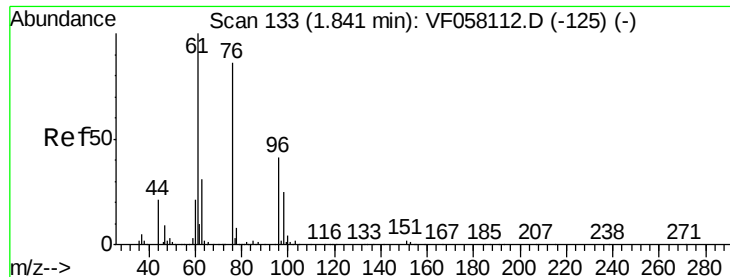
Tgt Ion: 43 Resp: 245938

Ion Ratio Lower Upper

43 100

58 18.0 14.4 21.6

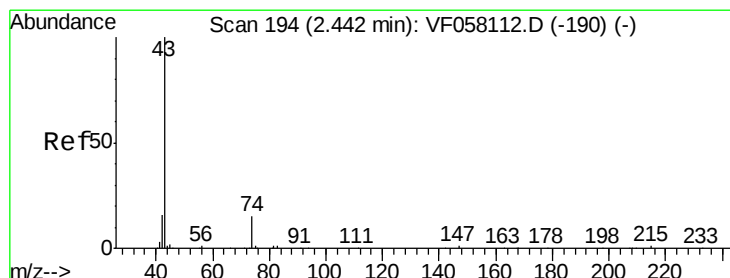
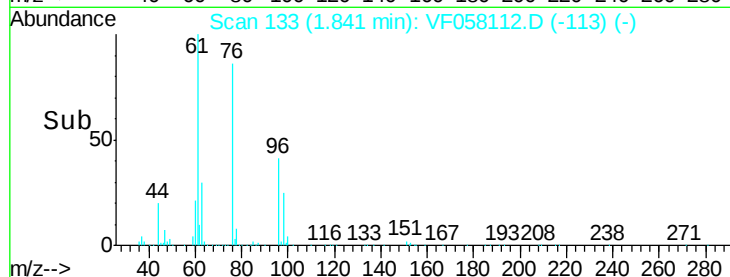
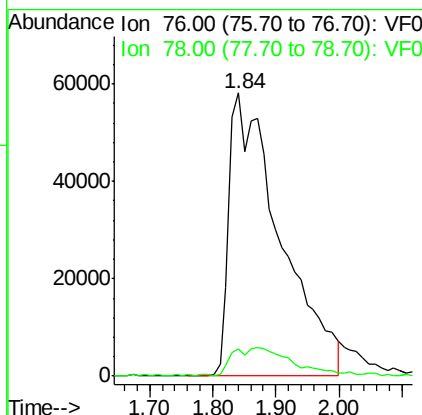
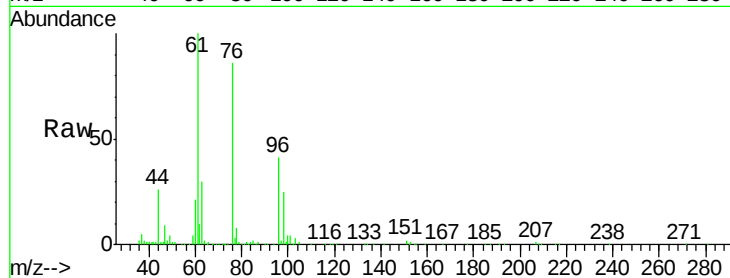




#17
Carbon Disulfide
Concen: 51.13 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

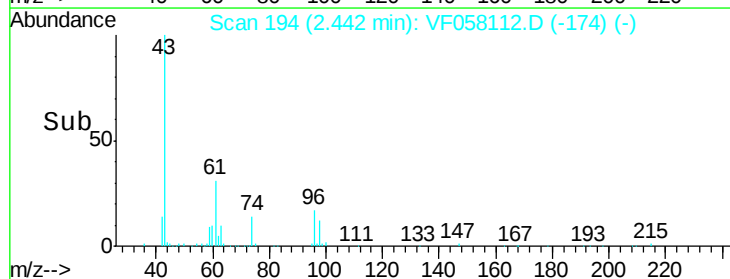
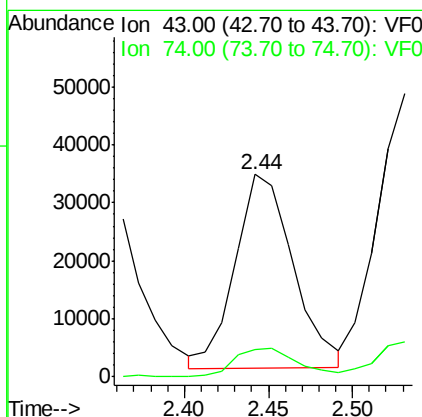
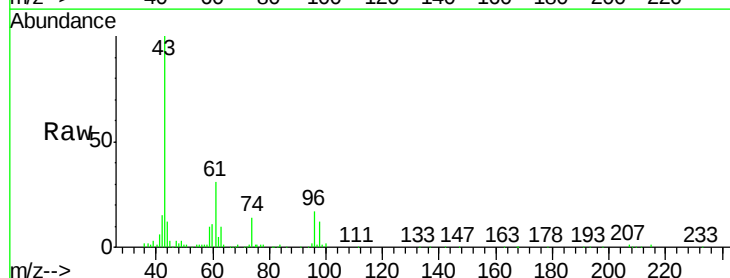
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

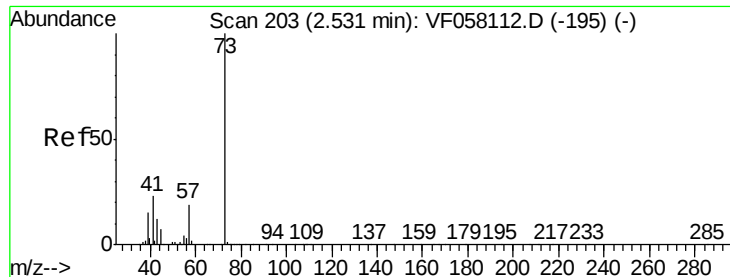
Tgt Ion: 76 Resp: 326618
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.8



#18
Methyl Acetate
Concen: 45.96 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 43 Resp: 79807
Ion Ratio Lower Upper
43 100
74 13.6 10.9 16.3

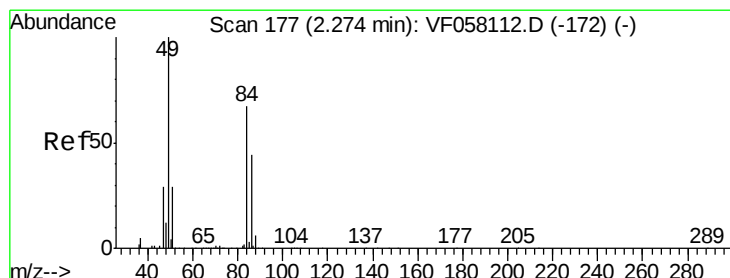
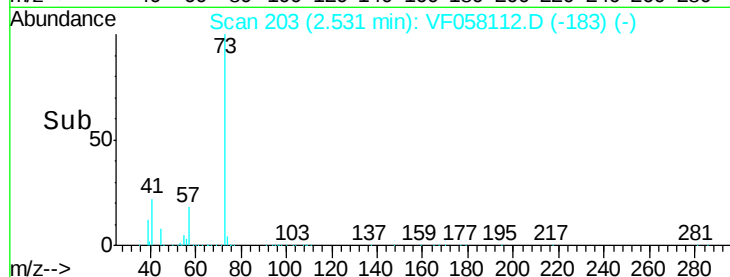
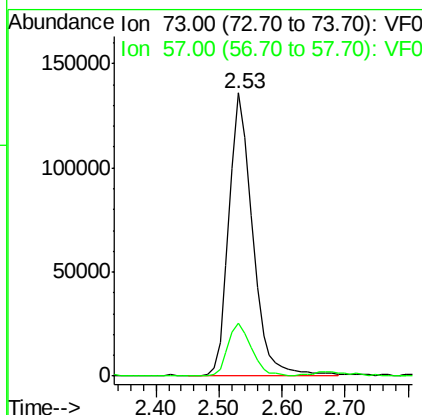
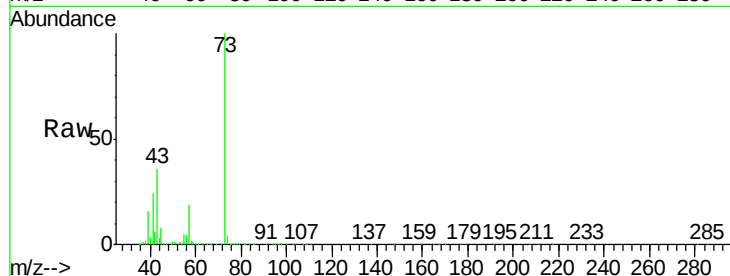




#19
Methyl tert-butyl Ether
Concen: 50.25 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

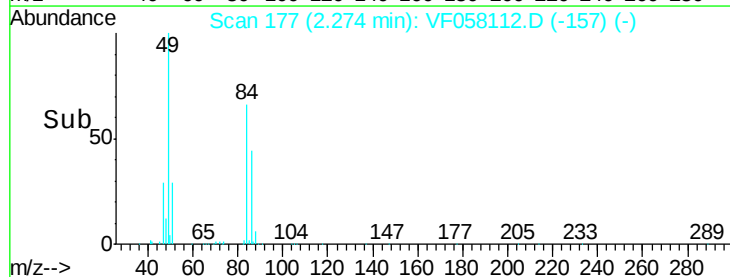
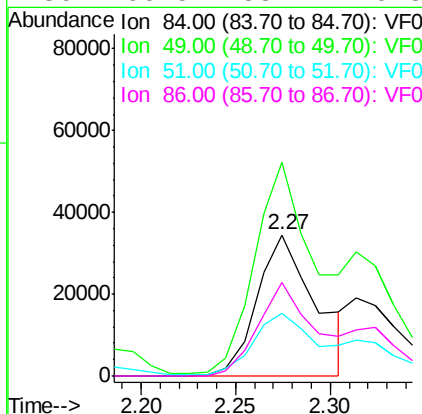
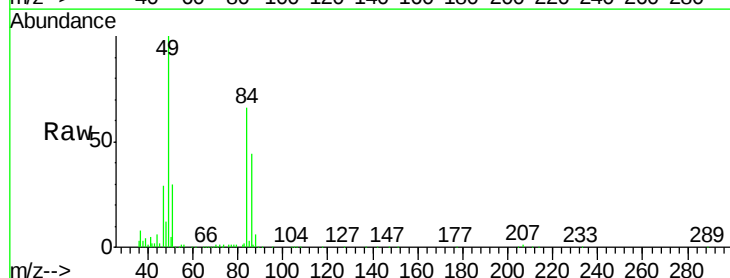
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

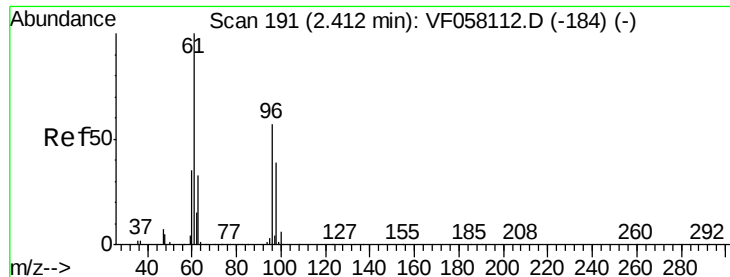
Tgt Ion: 73 Resp: 350307
Ion Ratio Lower Upper
73 100
57 18.7 15.0 22.4



#20
Methylene Chloride
Concen: 32.64 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 84 Resp: 74400
Ion Ratio Lower Upper
84 100
49 151.2 121.0 181.4
51 44.7 35.8 53.6
86 66.5 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.88 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

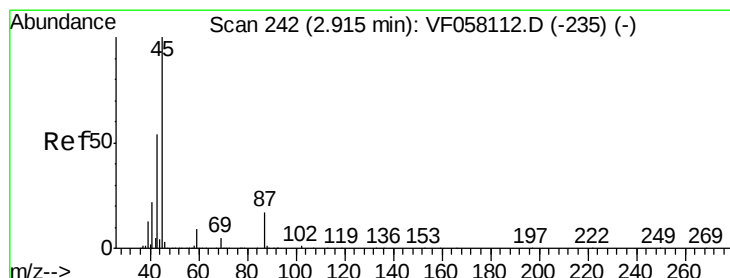
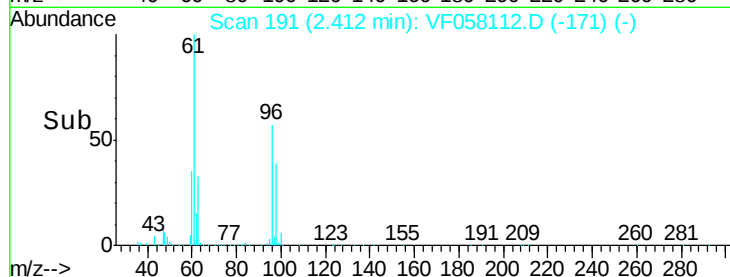
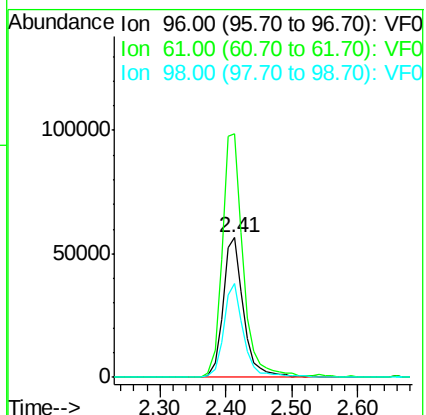
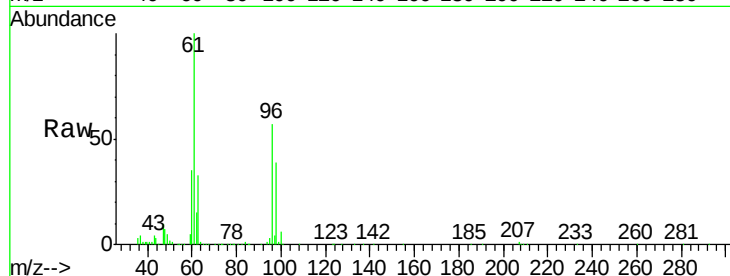
Tgt Ion: 96 Resp: 122271

Ion Ratio Lower Upper

96 100

61 174.3 139.4 209.2

98 67.5 54.0 81.0



#22

Diisopropyl ether

Concen: 49.98 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion: 45 Resp: 416432

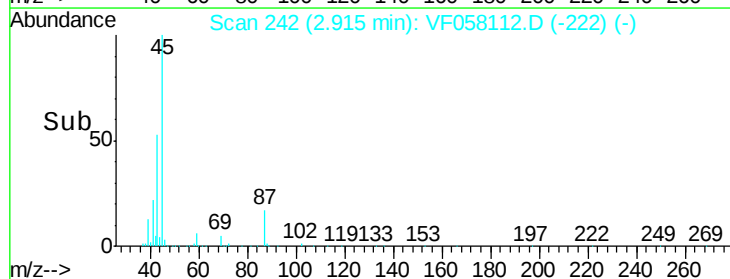
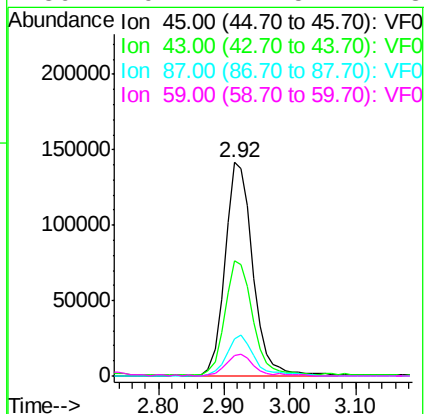
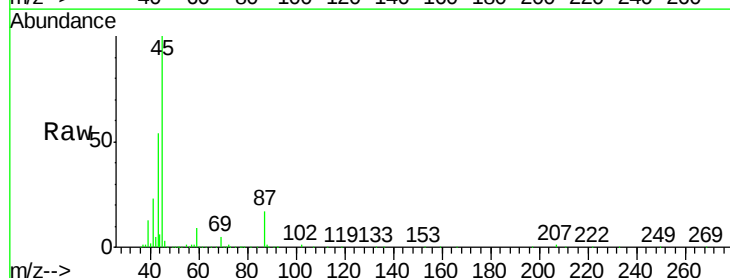
Ion Ratio Lower Upper

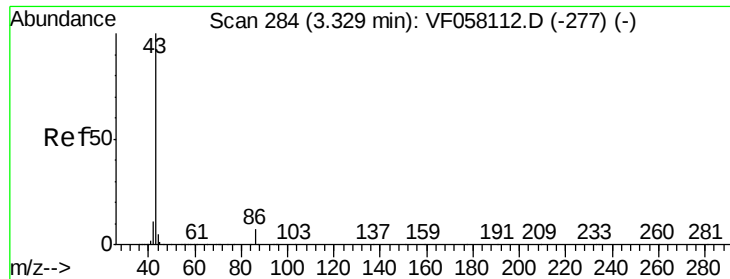
45 100

43 54.0 43.2 64.8

87 17.2 13.8 20.6

59 9.4 7.5 11.3

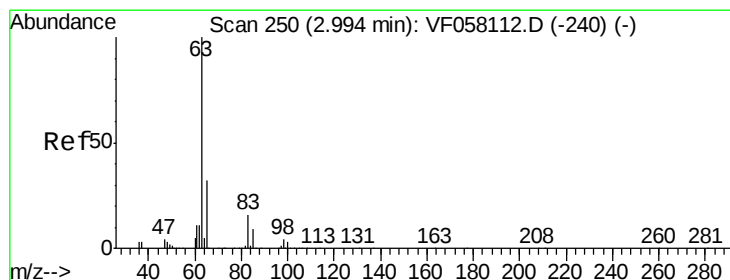
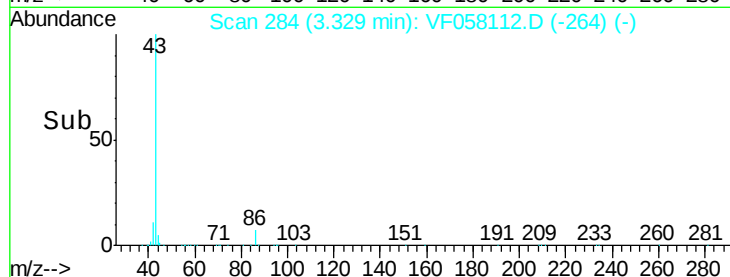
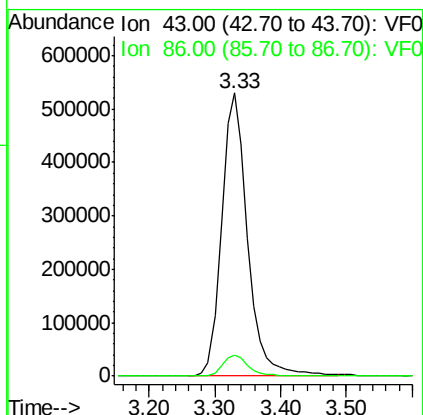
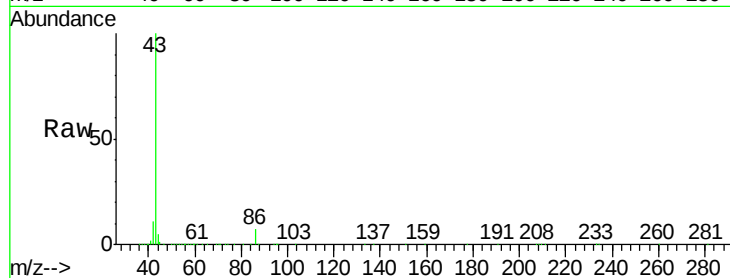




#23
 Vinyl Acetate
 Concen: 237.96 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

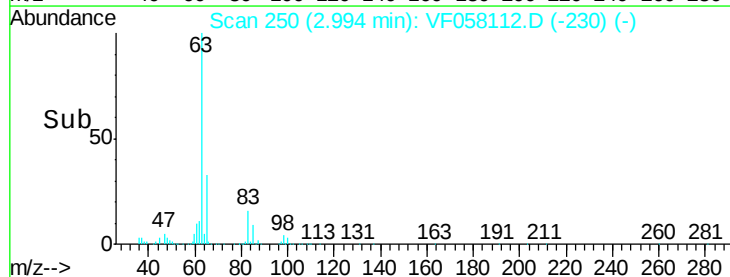
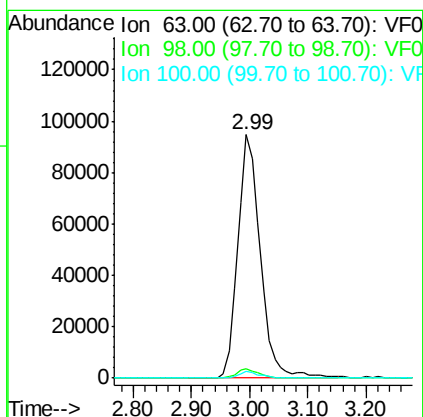
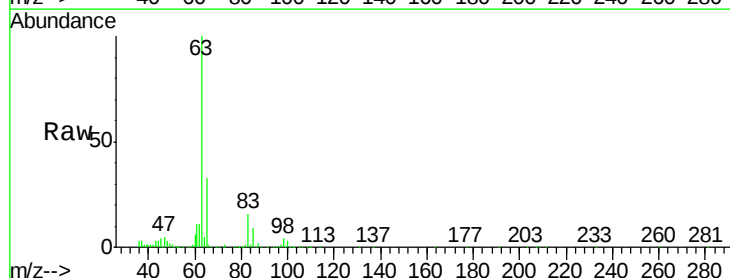
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

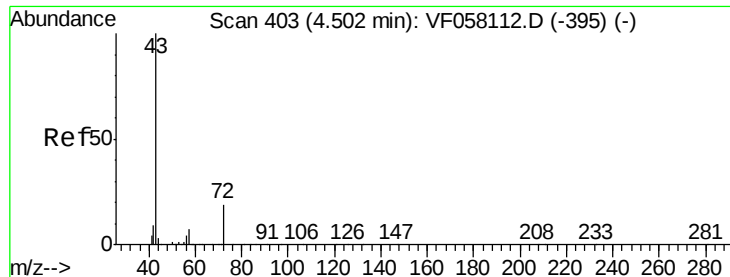
Tgt Ion: 43 Resp: 1452554
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.0 9.0



#24
 1,1-Dichloroethane
 Concen: 49.34 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 63 Resp: 254621
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.0 6.0
 100 2.7 1.4 4.0

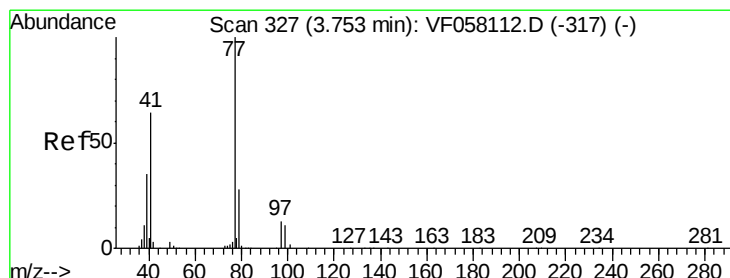
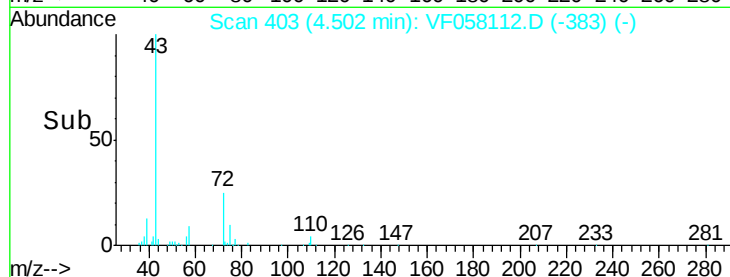
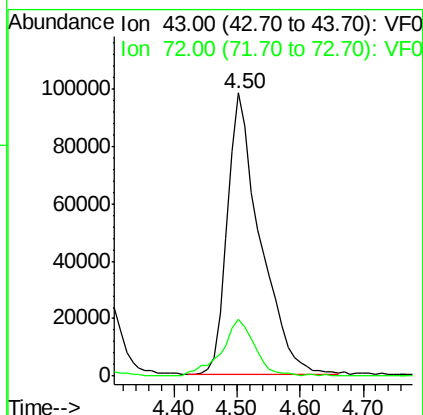
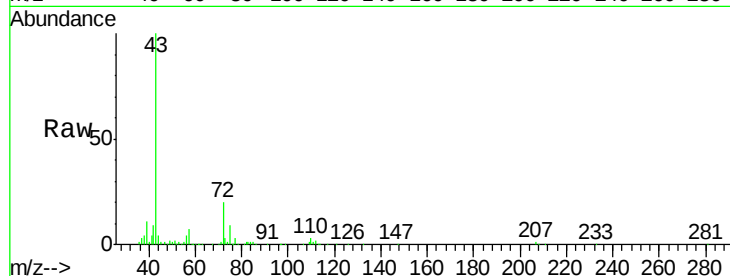




#25
 2-Butanone
 Concen: 235.15 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

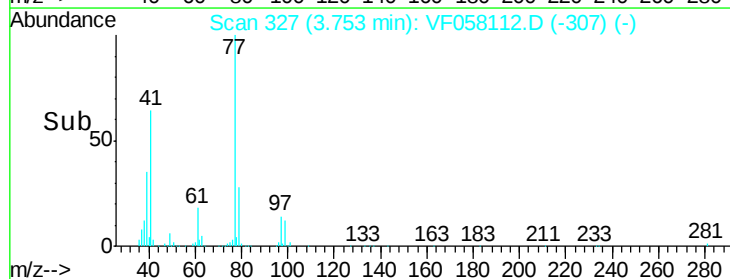
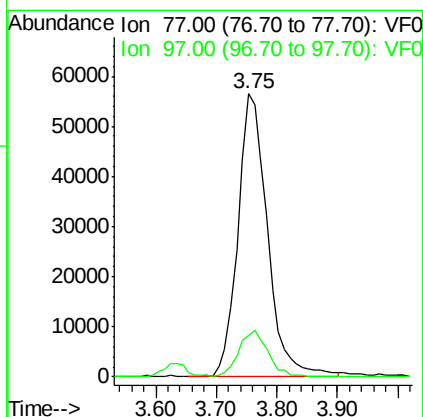
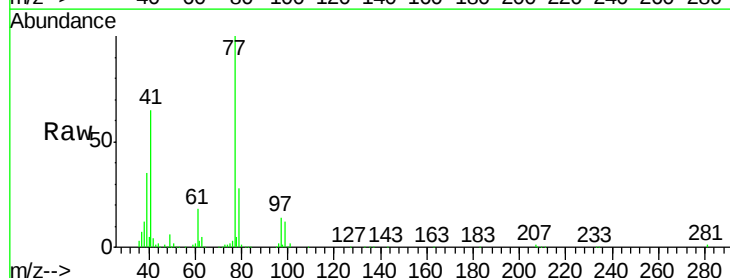
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

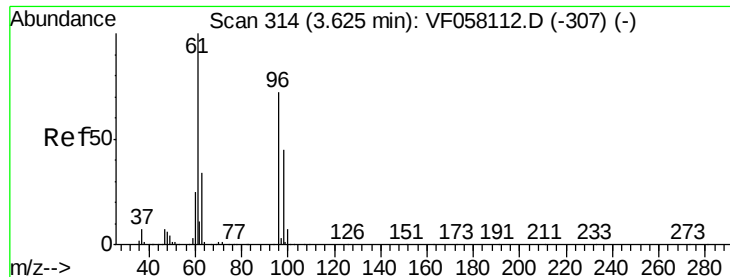
Tgt Ion: 43 Resp: 355144
 Ion Ratio Lower Upper
 43 100
 72 20.1 16.1 24.1



#26
 2,2-Dichloropropane
 Concen: 52.02 ug/l
 RT: 3.75 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 77 Resp: 189739
 Ion Ratio Lower Upper
 77 100
 97 14.4 7.2 21.6



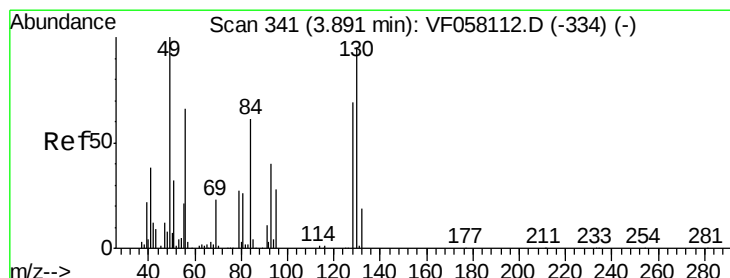
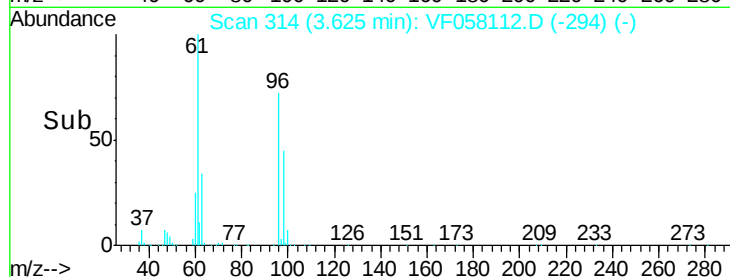
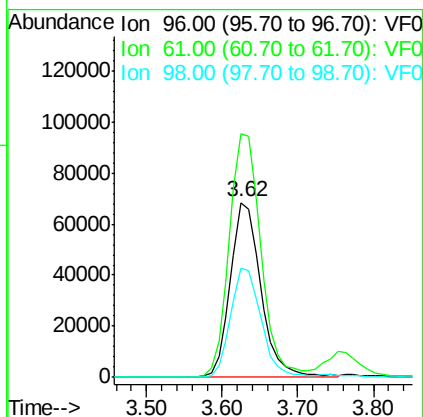
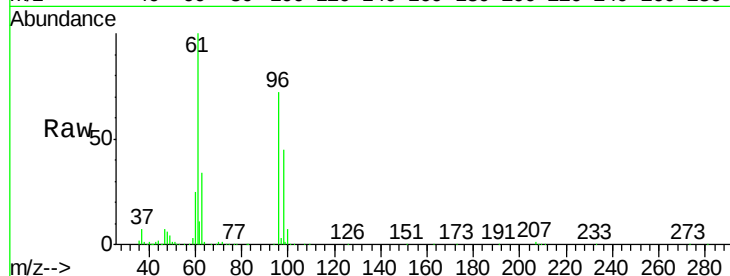


#27

cis-1,2-Dichloroethene
Concen: 48.09 ug/l
RT: 3.62 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

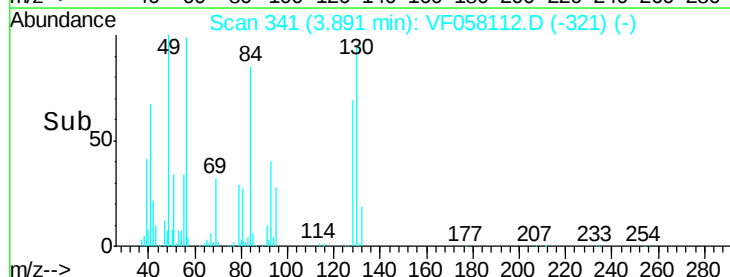
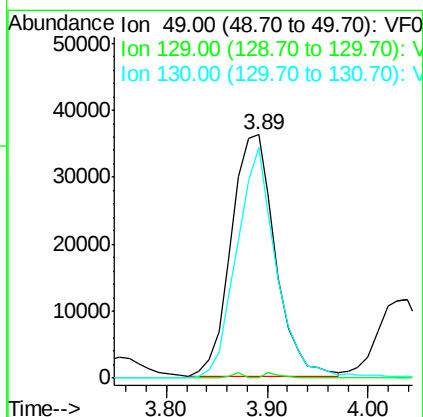
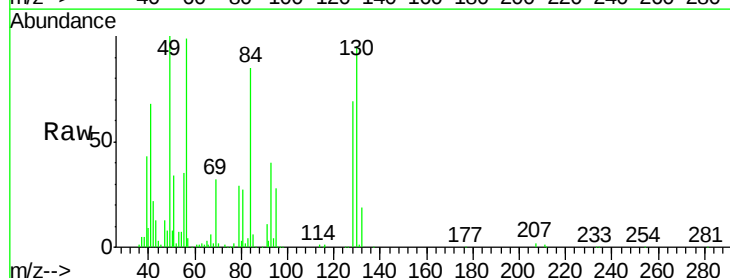
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	278.6
98	62.6	0.0	125.2

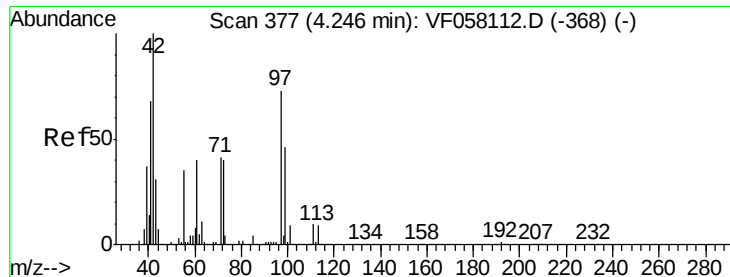


#28

Bromochloromethane
Concen: 48.26 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	94.8	75.8	113.8





#29

Tetrahydrofuran

Concen: 234.86 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

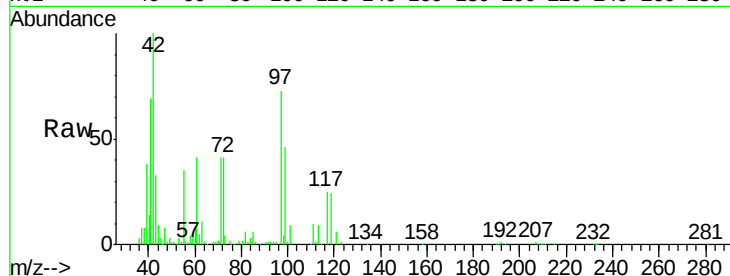
Tgt Ion: 42 Resp: 163731

Ion Ratio Lower Upper

42 100

72 38.1 30.5 45.7

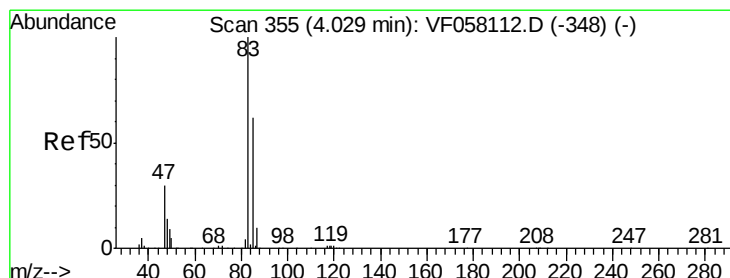
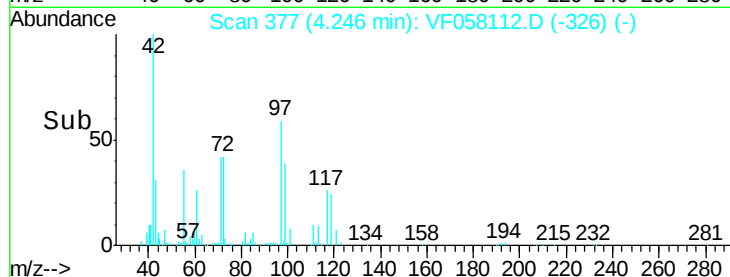
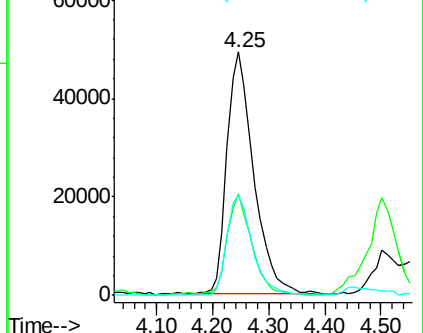
71 39.4 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 49.35 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF058112.D

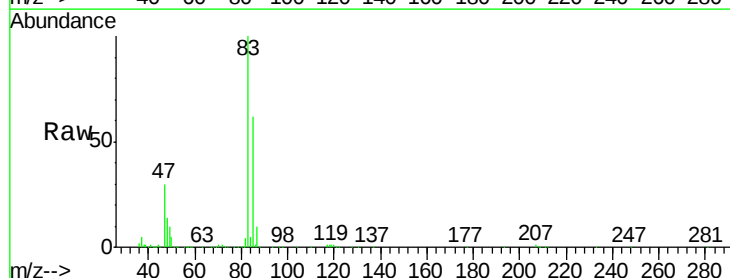
Acq: 6 Jun 2018 17:41

Tgt Ion: 83 Resp: 382062

Ion Ratio Lower Upper

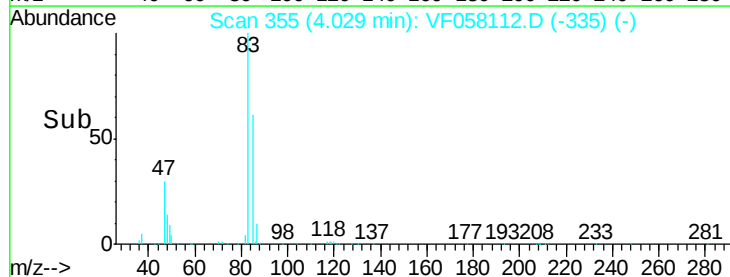
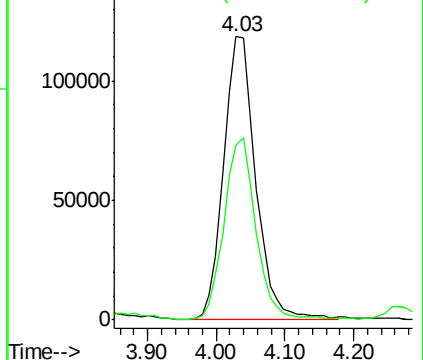
83 100

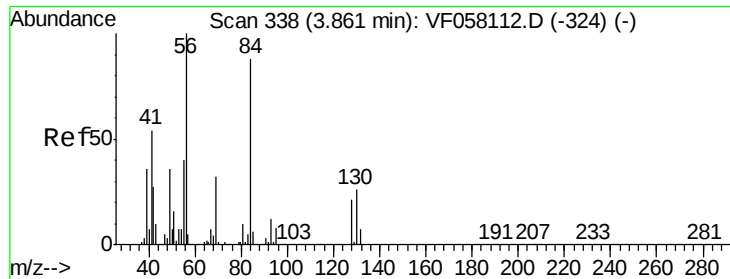
85 61.9 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

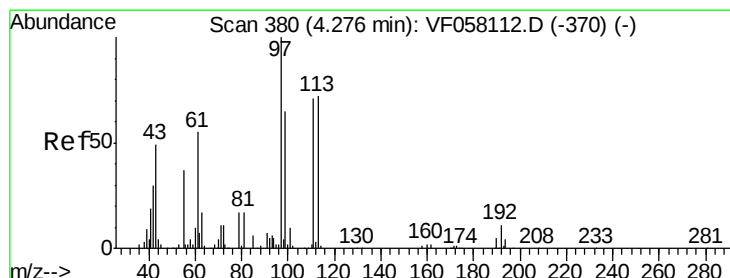
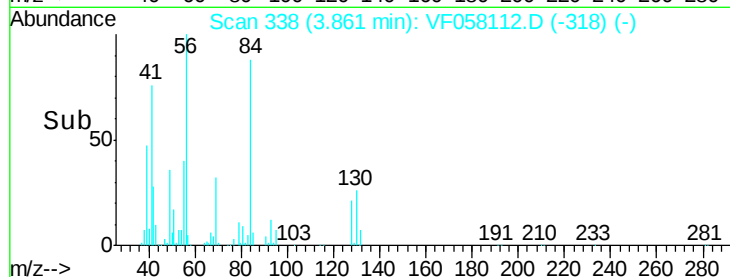
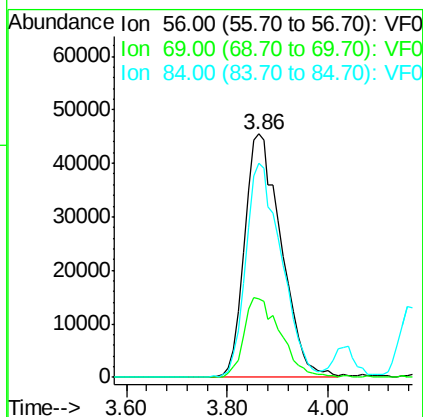
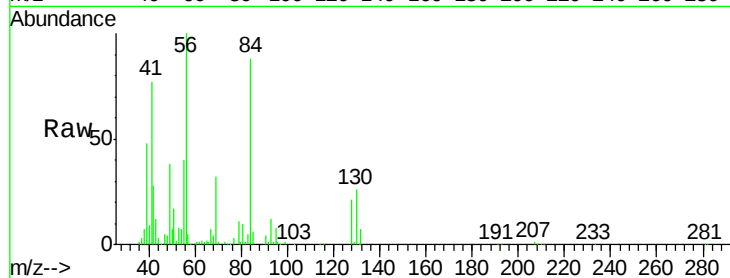




#31
Cyclohexane
Concen: 47.12 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

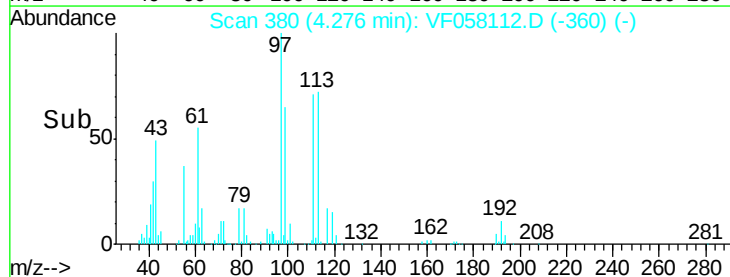
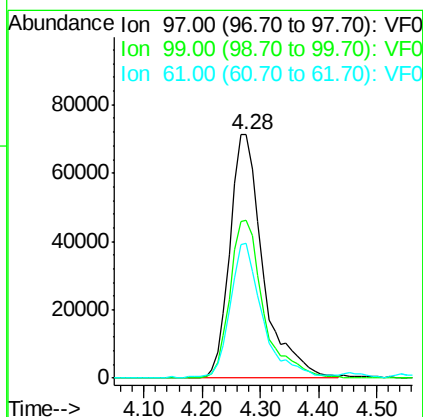
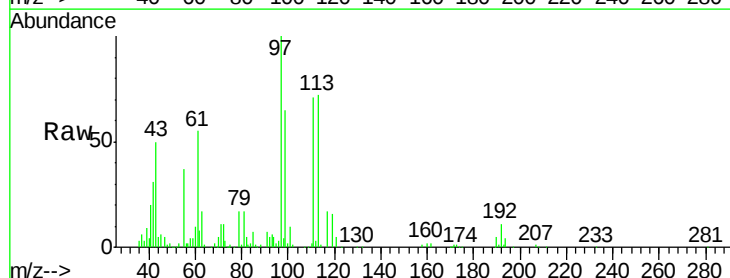
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

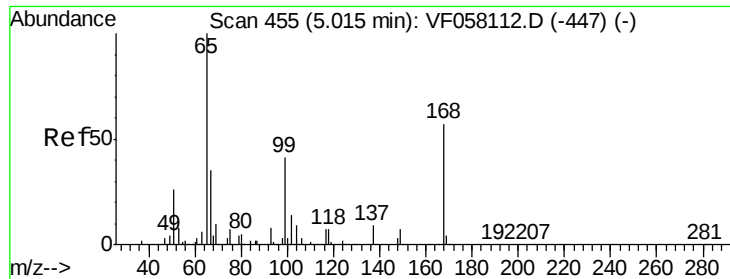
Tgt Ion: 56 Resp: 228847
Ion Ratio Lower Upper
56 100
69 32.4 25.9 38.9
84 87.9 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 51.64 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 97 Resp: 283800
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 55.4 44.3 66.5





#33

1,2-Dichloroethane-d4

Concen: 48.98 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

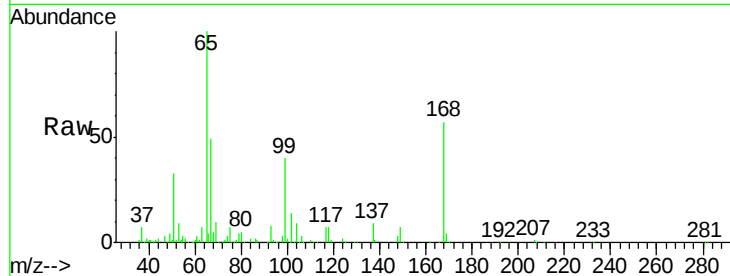
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 208317

Ion Ratio Lower Upper

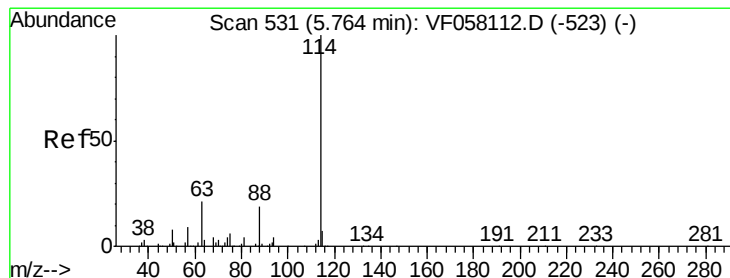
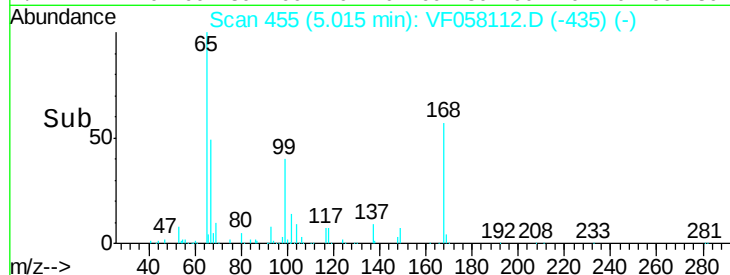
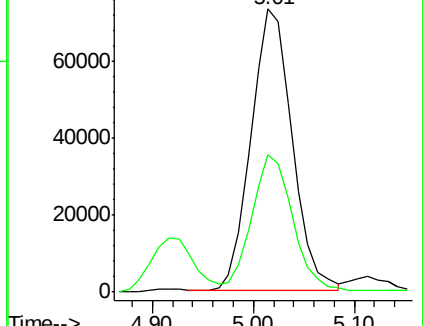
65 100

67 48.5 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

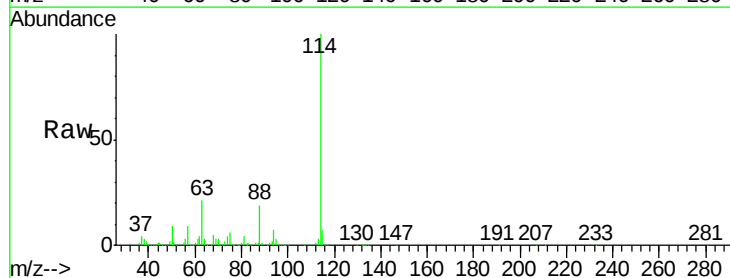
Tgt Ion: 114 Resp: 528142

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

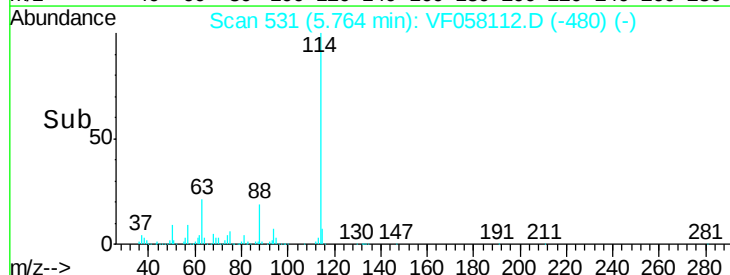
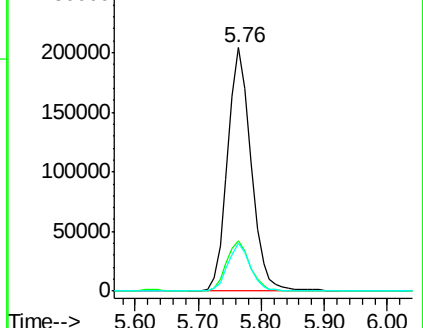
88 19.4 0.0 38.8

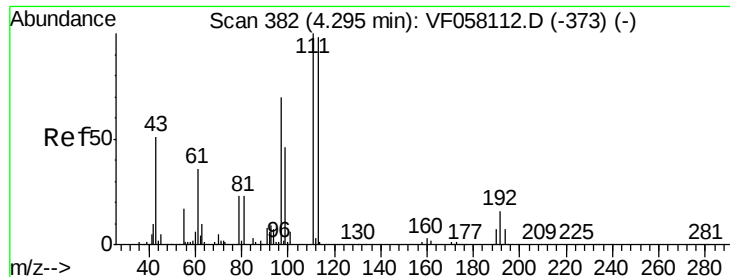


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.50 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

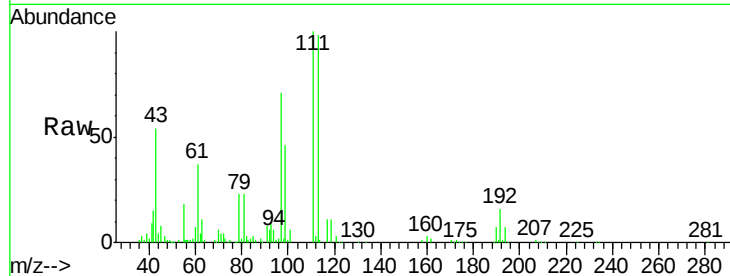
Tgt Ion: 113 Resp: 201721

Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

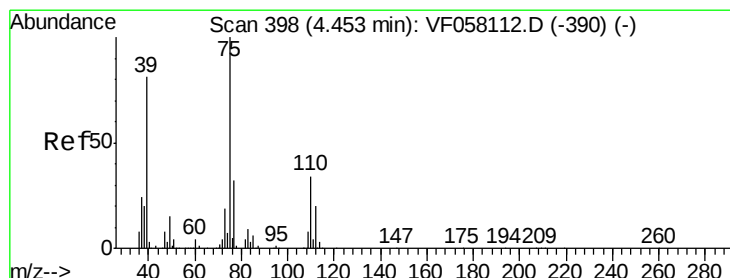
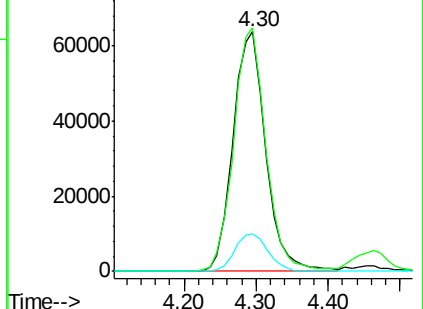
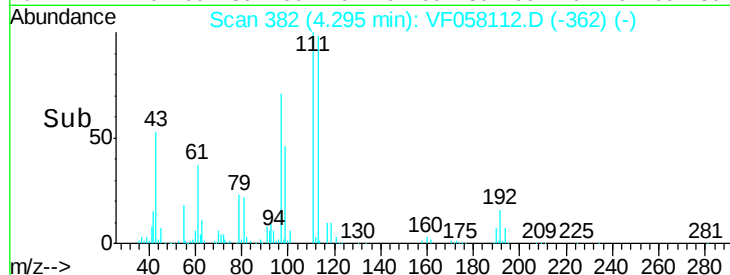
192 15.9 12.7 19.1



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 51.02 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

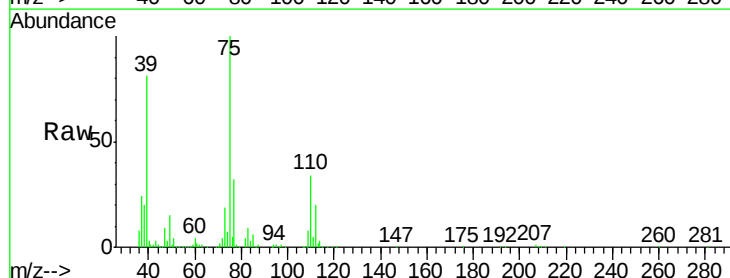
Tgt Ion: 75 Resp: 272514

Ion Ratio Lower Upper

75 100

110 33.9 17.0 50.9

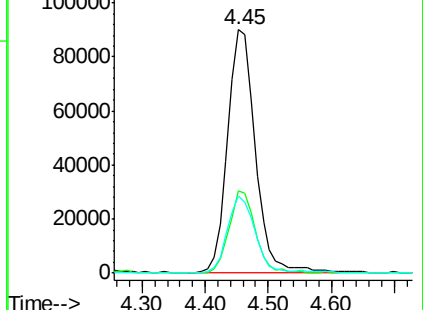
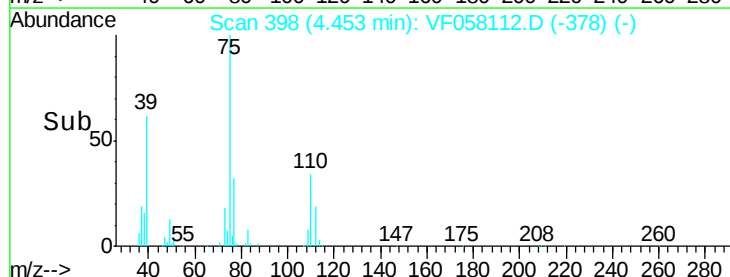
77 31.6 25.3 37.9

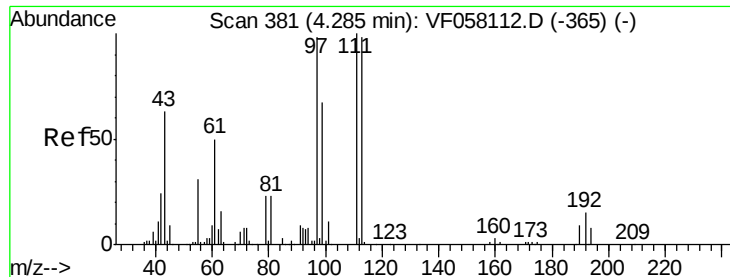


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

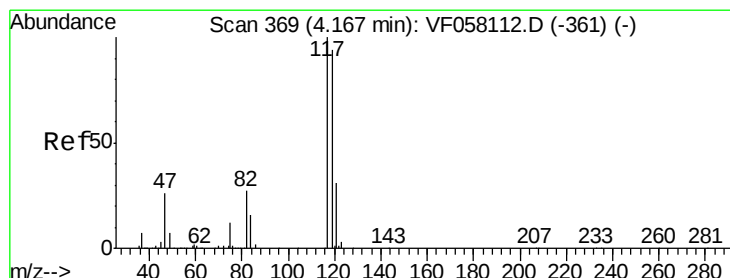
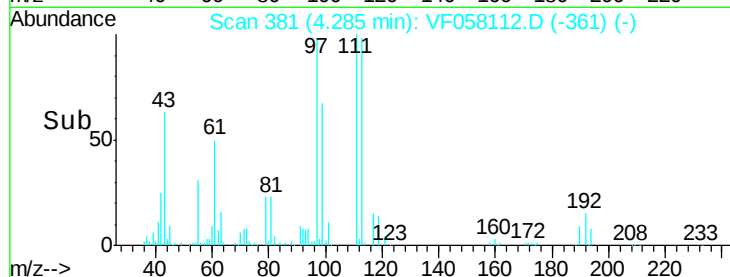
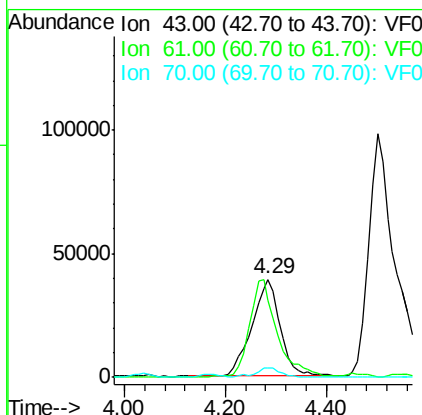
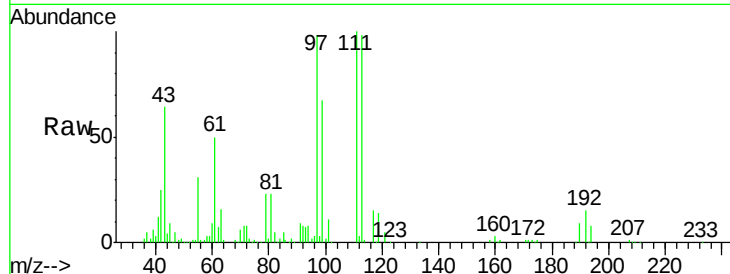




#37
Ethyl Acetate
Concen: 48.87 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

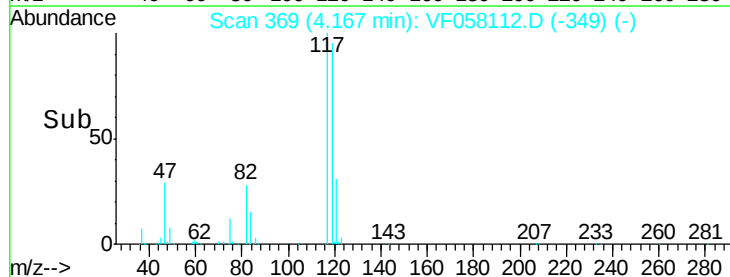
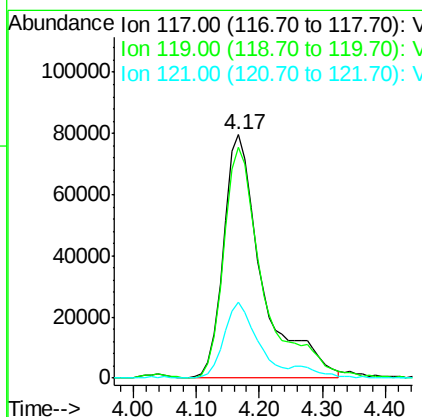
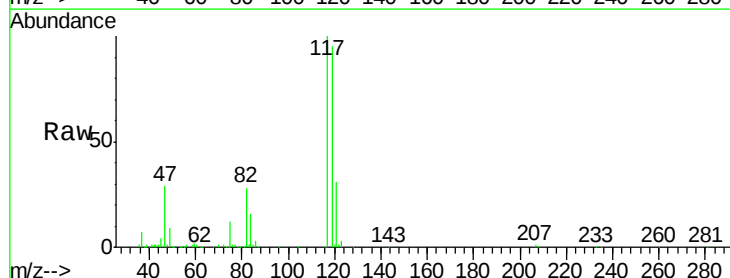
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

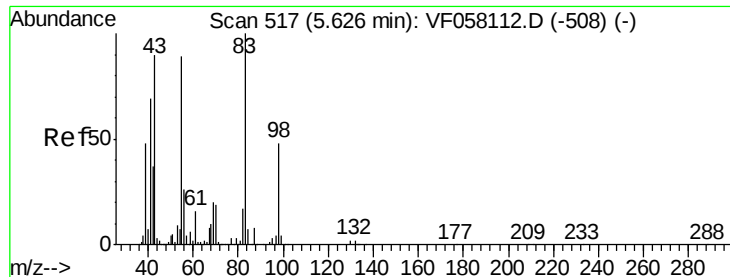
Tgt Ion: 43 Resp: 153921
Ion Ratio Lower Upper
43 100
61 78.7 63.0 94.4
70 9.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 60.03 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 117 Resp: 340638
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5
121 31.0 24.8 37.2

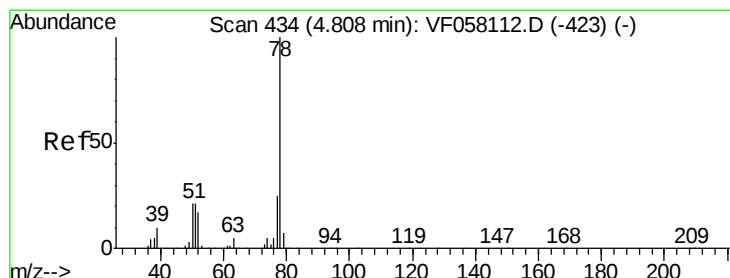
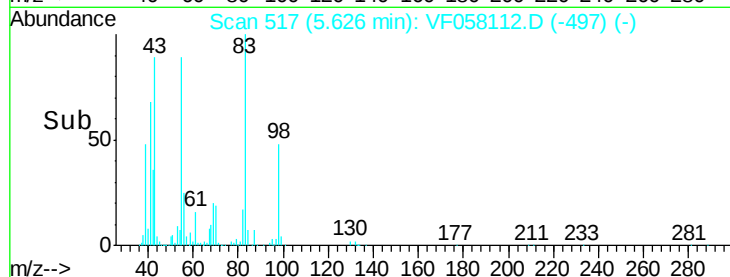
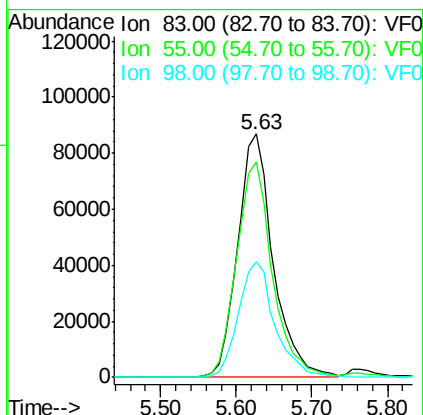
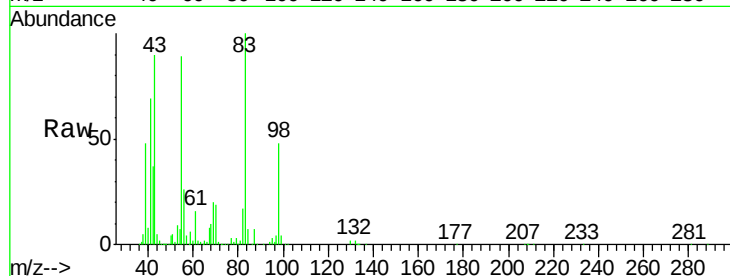




#39
Methylcyclohexane
Concen: 51.22 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

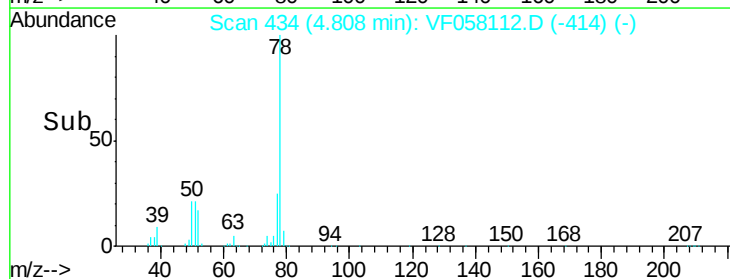
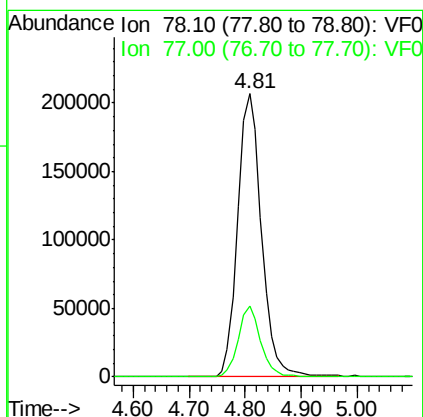
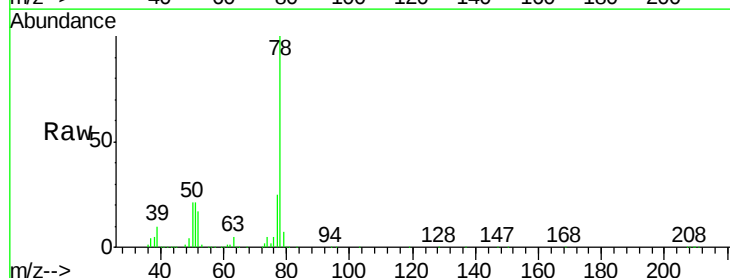
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

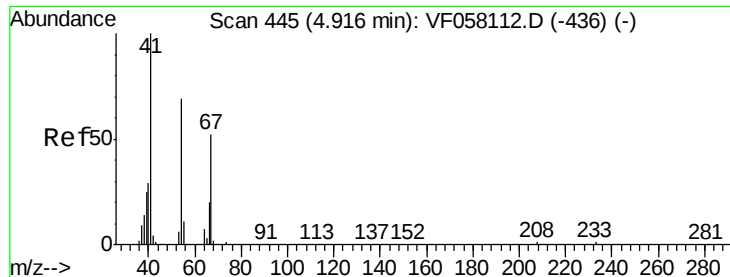
Tgt Ion: 83 Resp: 282730
Ion Ratio Lower Upper
83 100
55 88.7 71.0 106.4
98 47.6 38.1 57.1



#40
Benzene
Concen: 48.82 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 78 Resp: 610506
Ion Ratio Lower Upper
78 100
77 25.2 20.2 30.2

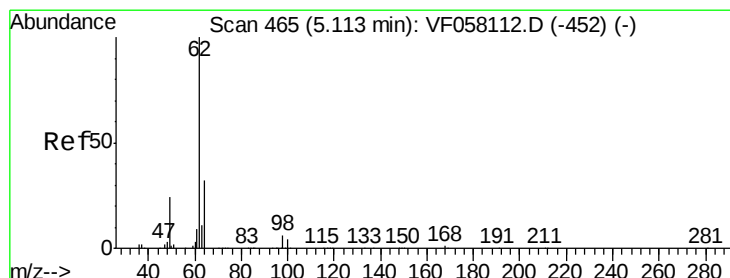
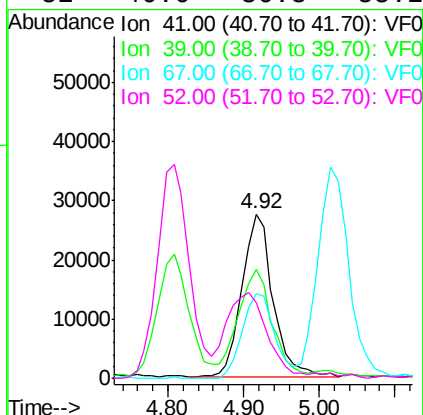
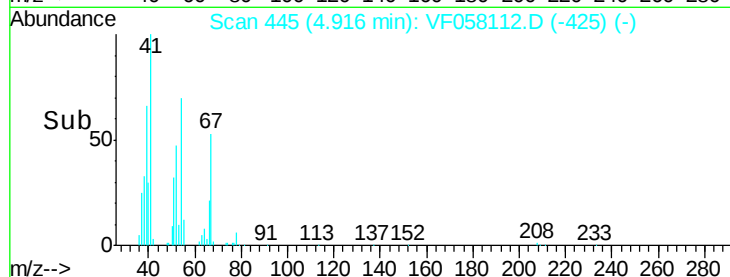
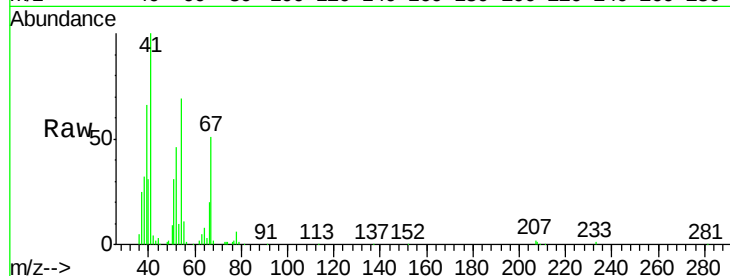




#41
Methacrylonitrile
Concen: 49.30 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

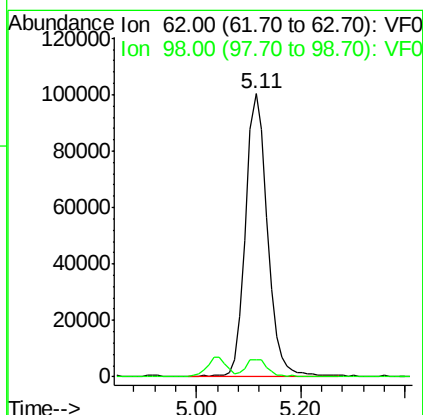
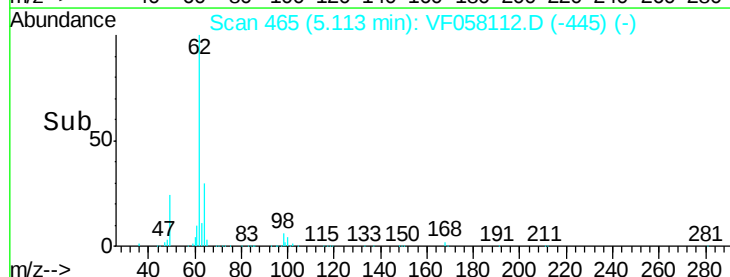
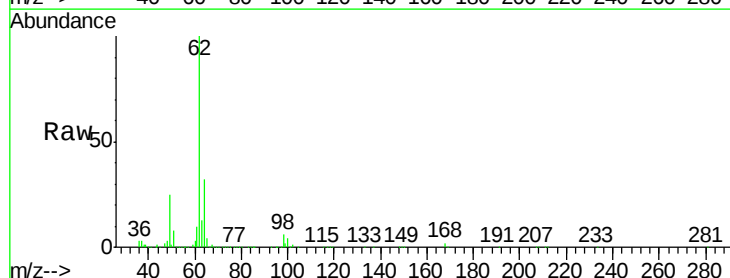
Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

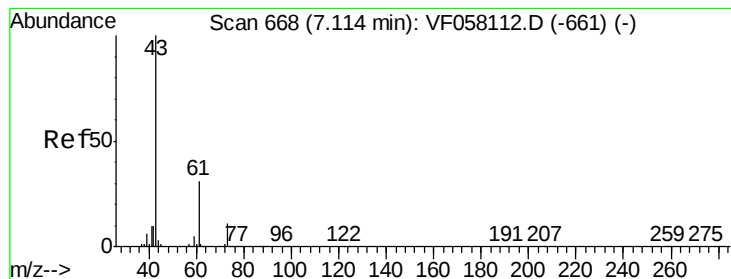
Tgt Ion:	41	Resp:	78632
Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
67	51.3	41.0	61.6
52	46.0	36.8	55.2



#42
1,2-Dichloroethane
Concen: 52.77 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion:	62	Resp:	283411
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.8



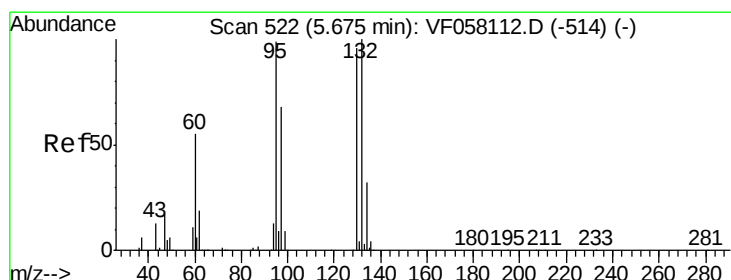
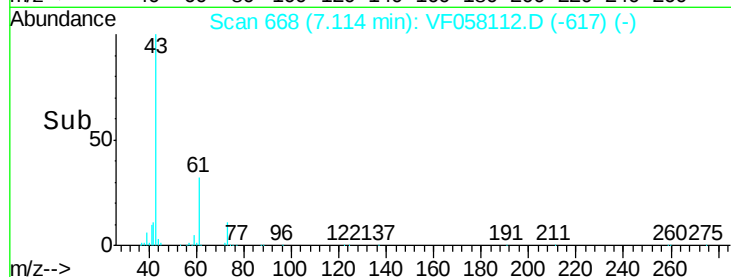
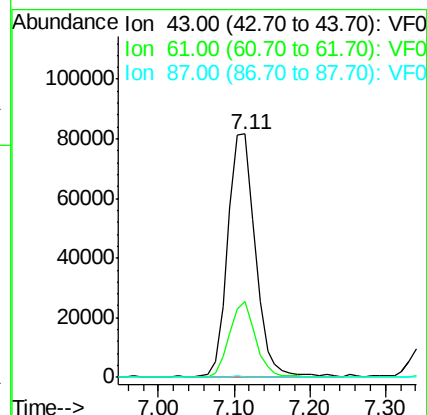
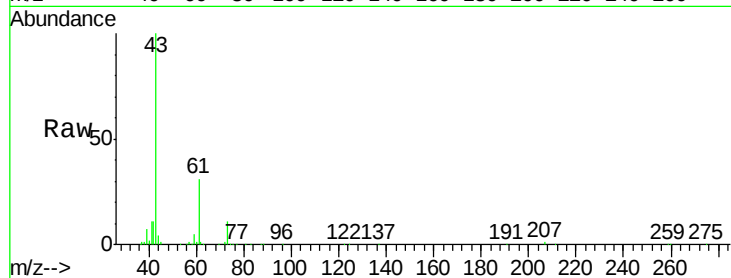


#43

Isopropyl Acetate
 Concen: 47.86 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

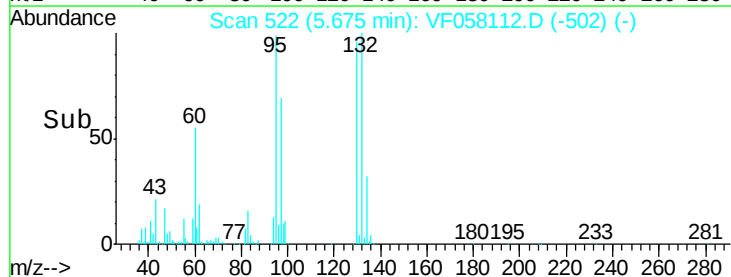
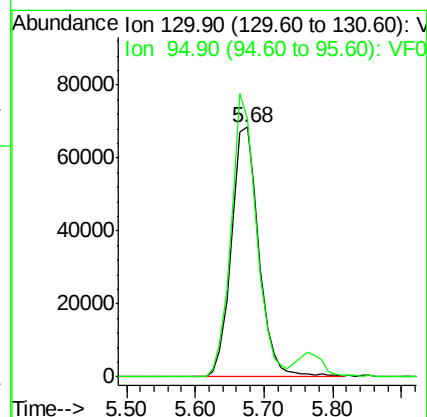
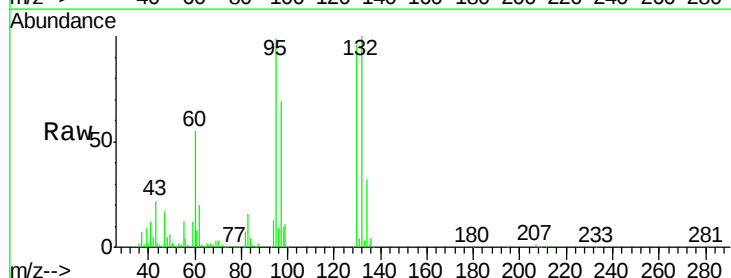
Tgt Ion: 43 Resp: 204359
 Ion Ratio Lower Upper
 43 100
 61 31.4 25.1 37.7
 87 0.3 0.2 0.4

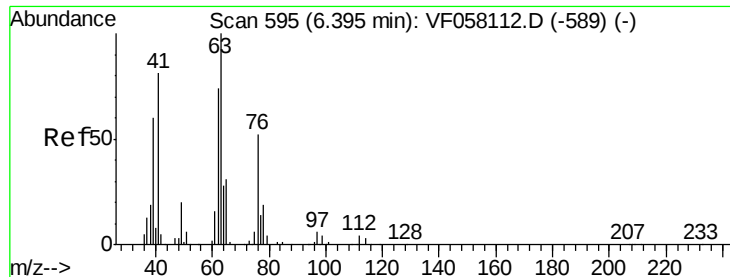


#44

Trichloroethene
 Concen: 48.47 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 130 Resp: 188808
 Ion Ratio Lower Upper
 130 100
 95 103.4 0.0 206.8





#45

1,2-Dichloropropane

Concen: 48.68 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

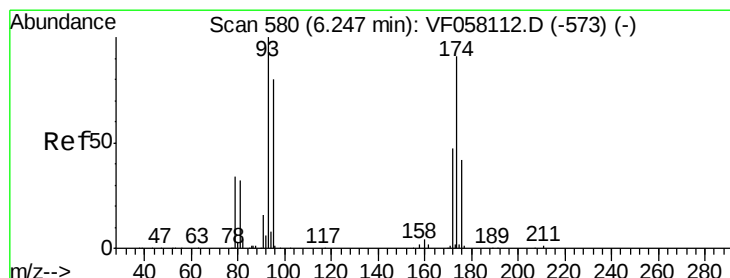
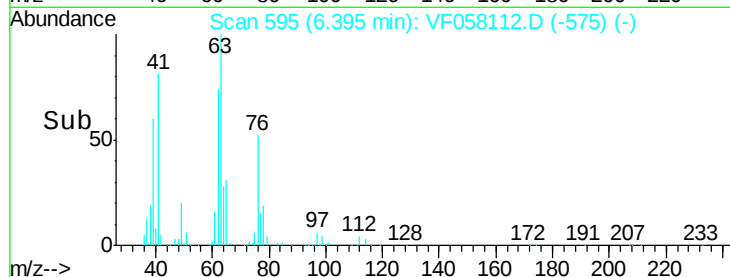
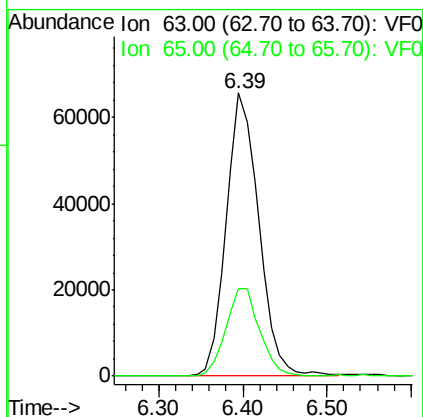
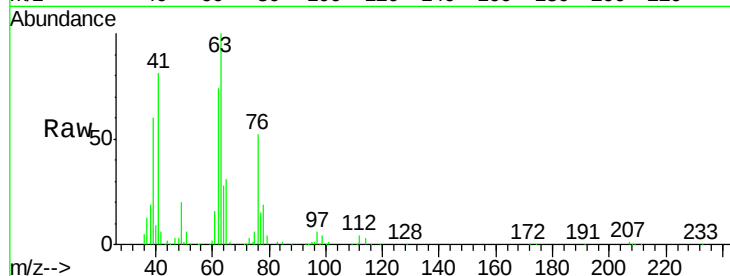
VSTDICCC050

Tgt Ion: 63 Resp: 176994

Ion Ratio Lower Upper

63 100

65 30.8 24.6 37.0



#46

Dibromomethane

Concen: 50.39 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

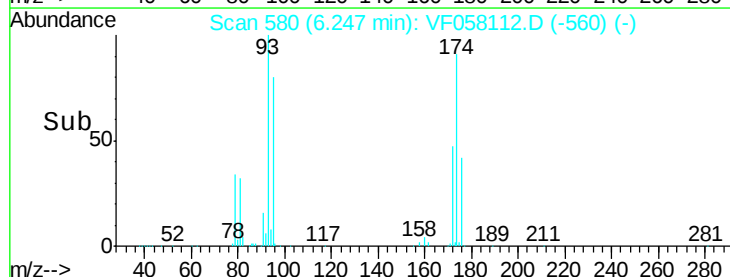
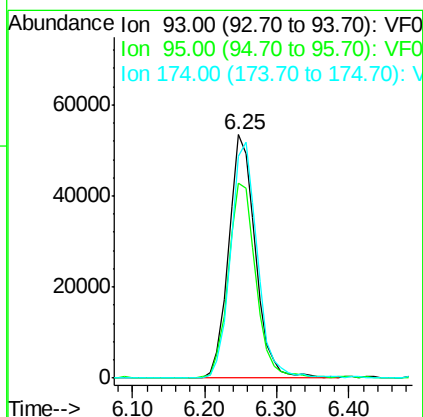
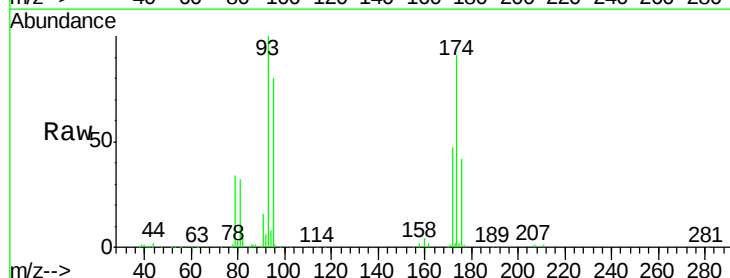
Tgt Ion: 93 Resp: 138301

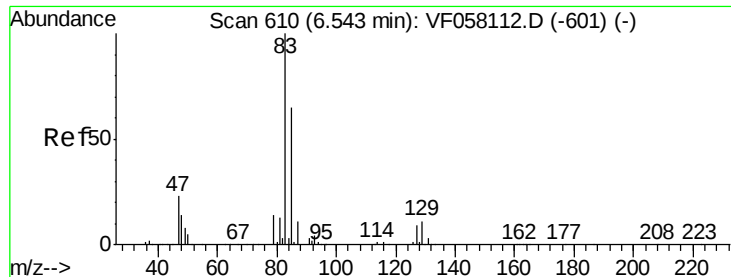
Ion Ratio Lower Upper

93 100

95 80.3 64.2 96.4

174 90.9 72.7 109.1





#47

Bromodichloromethane

Concen: 51.66 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

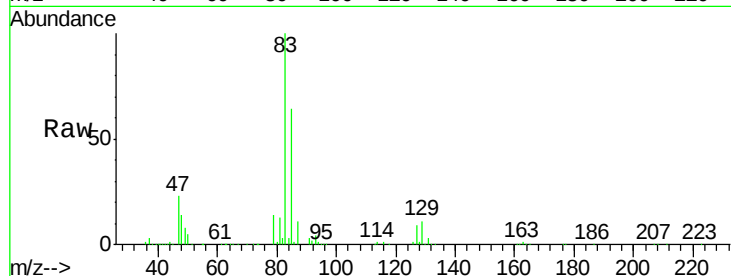
Tgt Ion: 83 Resp: 312811

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4

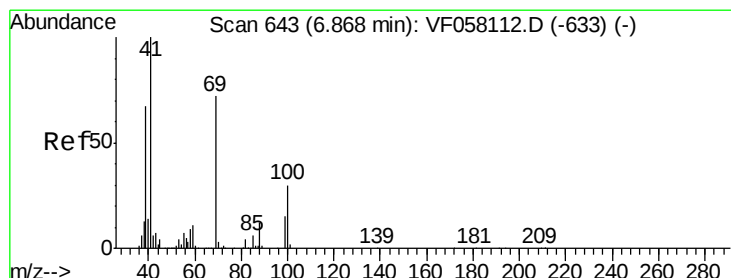
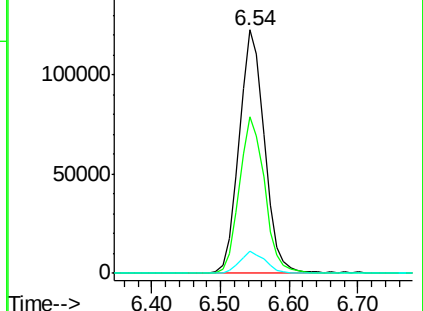
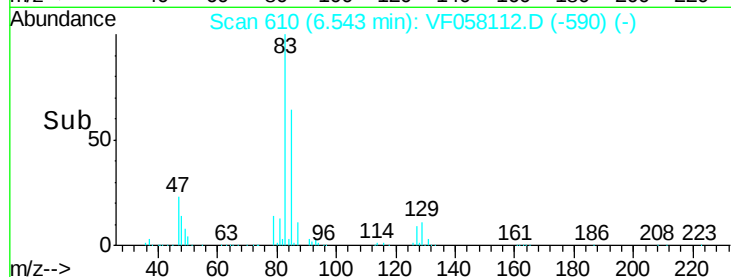
127 9.0 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 50.48 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

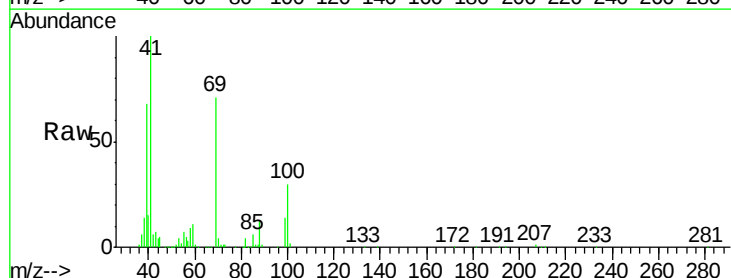
Tgt Ion: 41 Resp: 136254

Ion Ratio Lower Upper

41 100

69 71.5 57.2 85.8

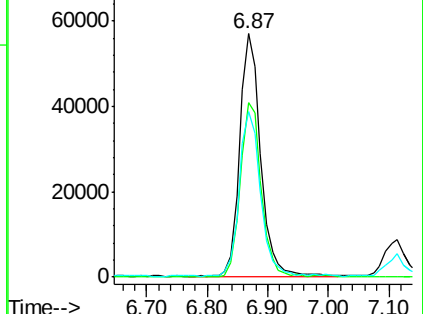
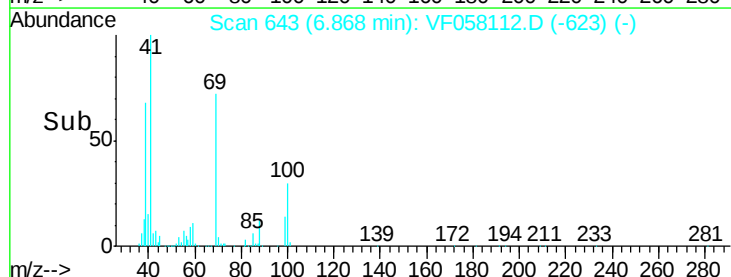
39 67.9 54.3 81.5

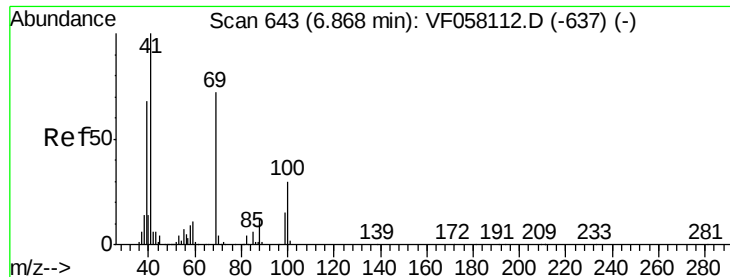


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

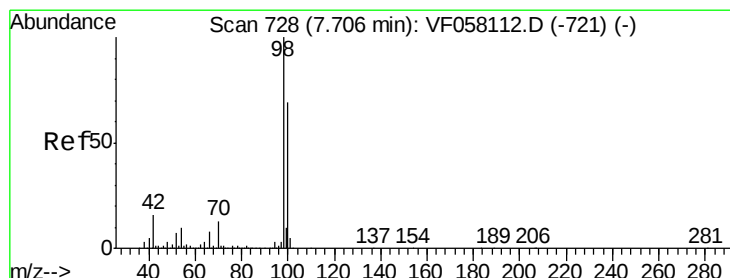
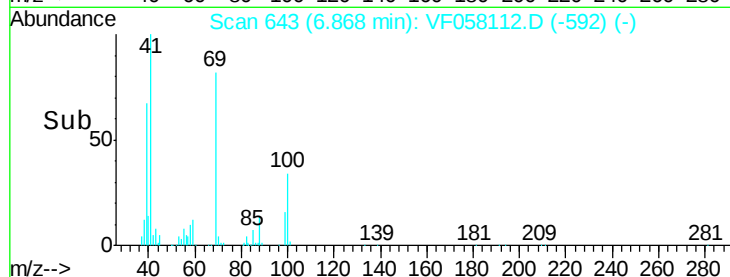
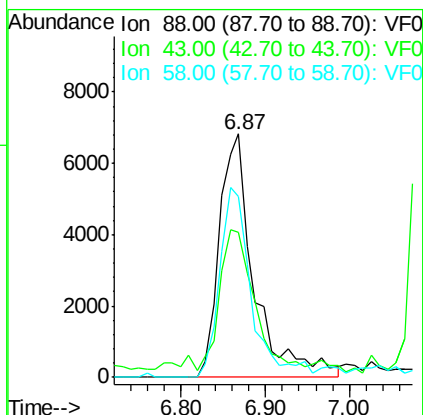
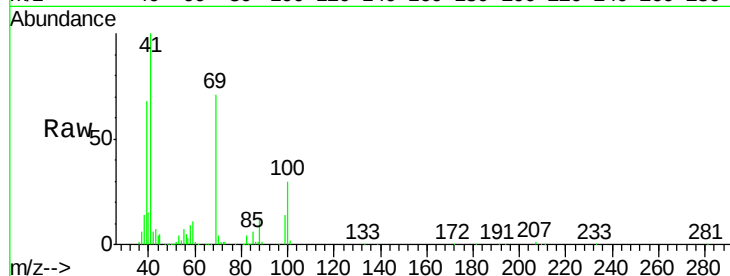




#49
 1,4-Dioxane
 Concen: 1047.73 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

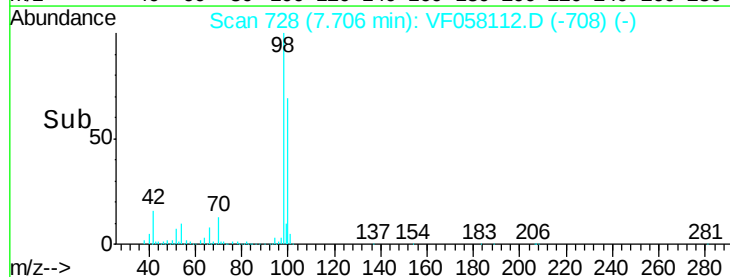
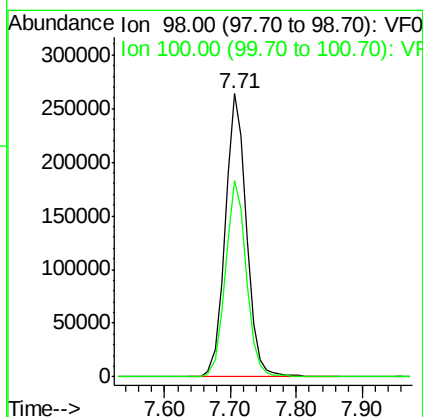
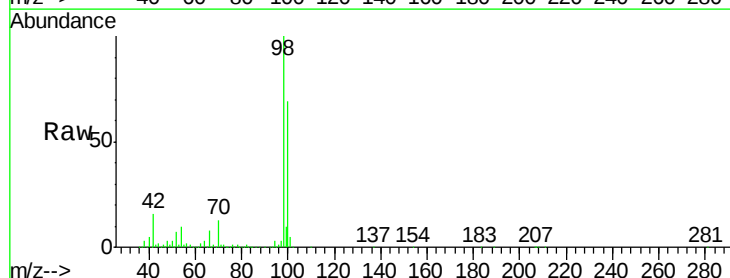
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

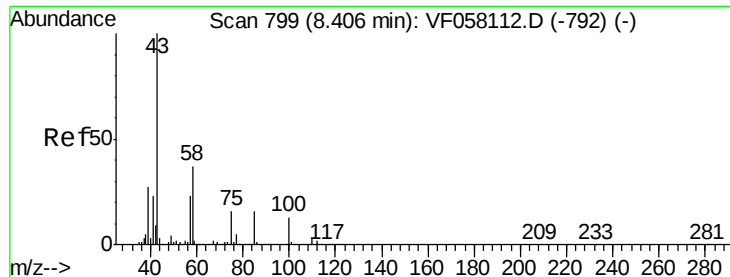
Tgt Ion: 88 Resp: 19514
 Ion Ratio Lower Upper
 88 100
 43 59.8 47.8 71.8
 58 74.2 59.4 89.0



#50
 Toluene-d8
 Concen: 51.36 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 98 Resp: 596263
 Ion Ratio Lower Upper
 98 100
 100 69.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 238.01 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

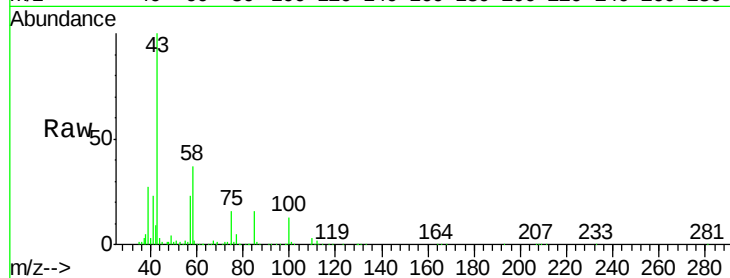
VSTDICCC050

Tgt Ion: 43 Resp: 705541

Ion Ratio Lower Upper

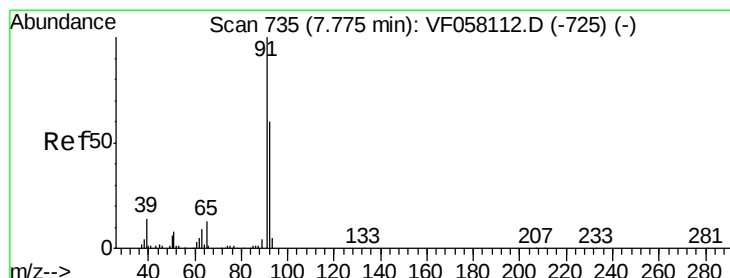
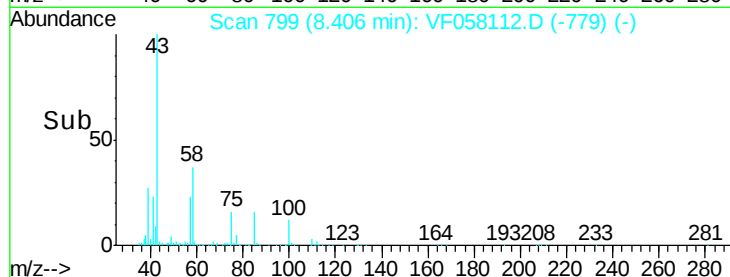
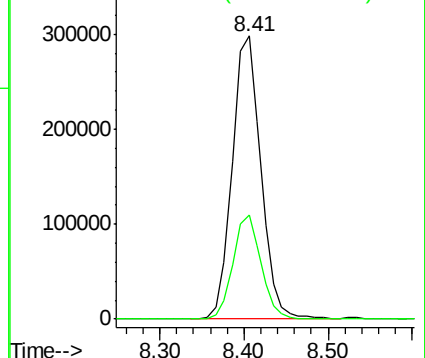
43 100

58 36.7 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.41 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF058112.D

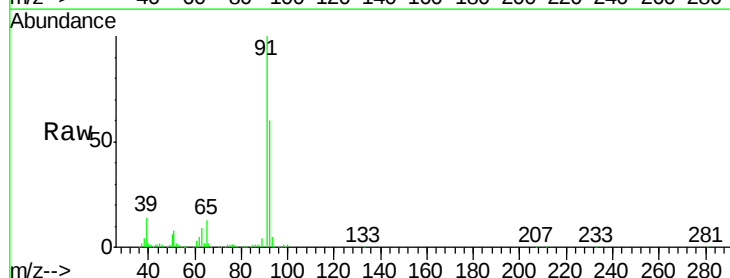
Acq: 6 Jun 2018 17:41

Tgt Ion: 92 Resp: 438740

Ion Ratio Lower Upper

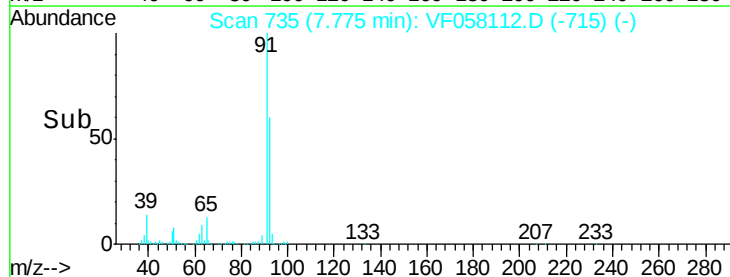
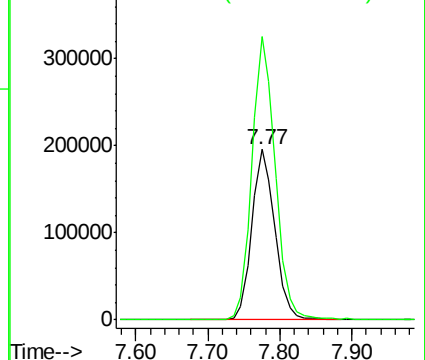
92 100

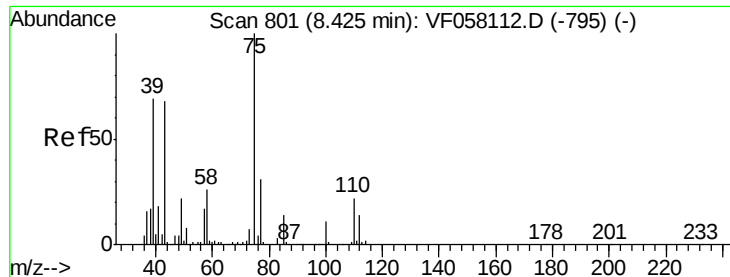
91 166.1 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.74 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

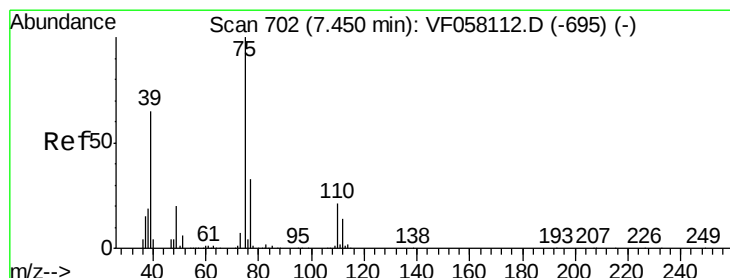
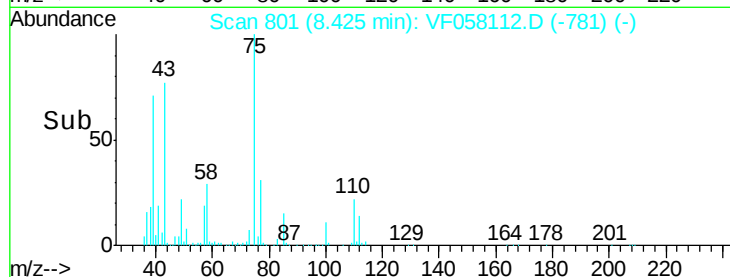
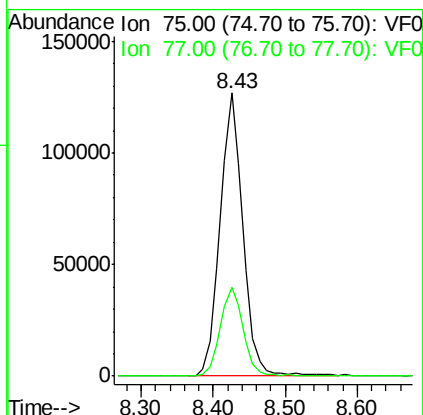
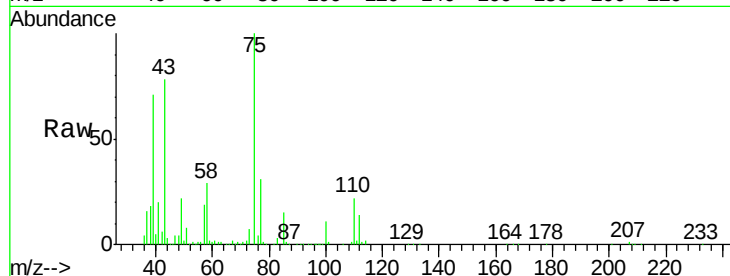
VSTDICCC050

Tgt Ion: 75 Resp: 276197

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.86 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

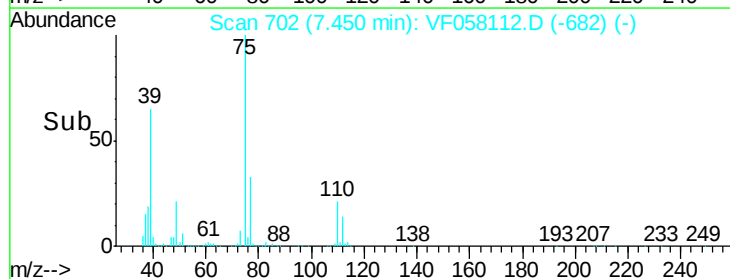
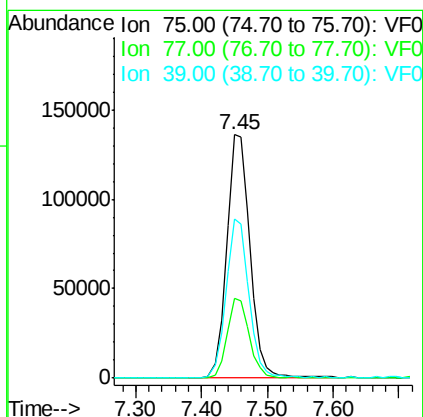
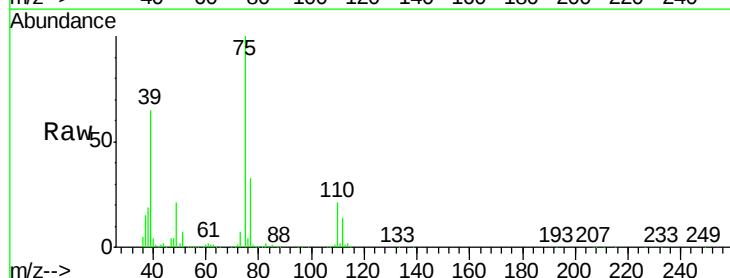
Tgt Ion: 75 Resp: 338004

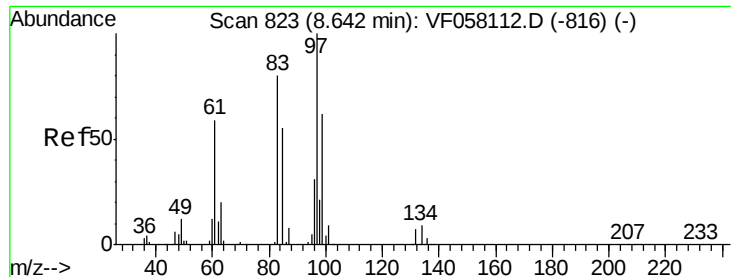
Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5

39 65.1 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 50.49 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 163011

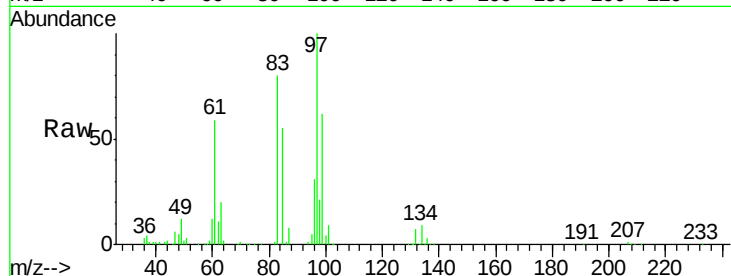
Ion Ratio Lower Upper

97 100

83 80.4 64.3 96.5

85 54.8 43.8 65.8

99 62.3 49.8 74.8

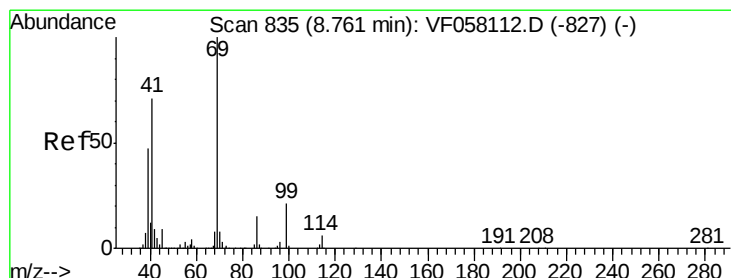
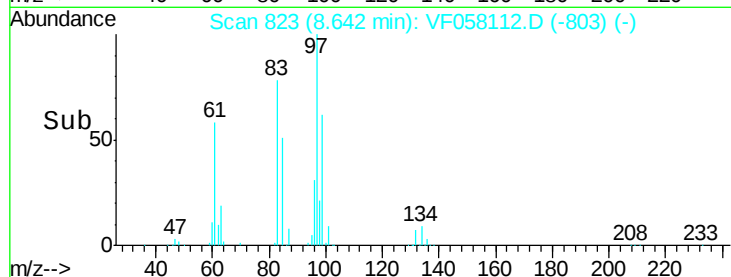
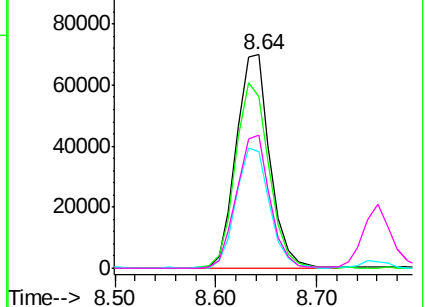


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 47.94 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

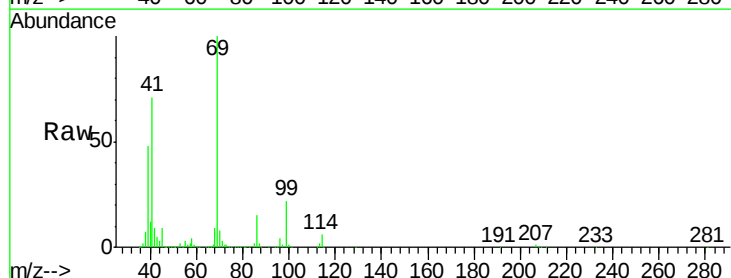
Tgt Ion: 69 Resp: 195720

Ion Ratio Lower Upper

69 100

41 71.1 56.9 85.3

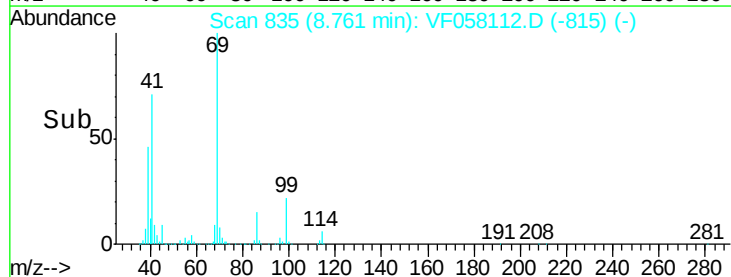
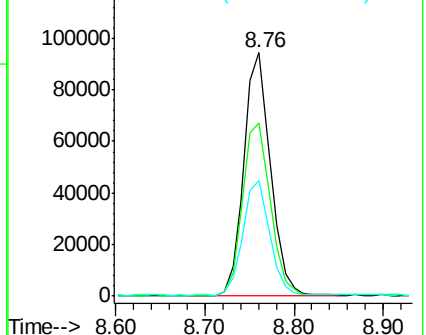
39 47.5 38.0 57.0

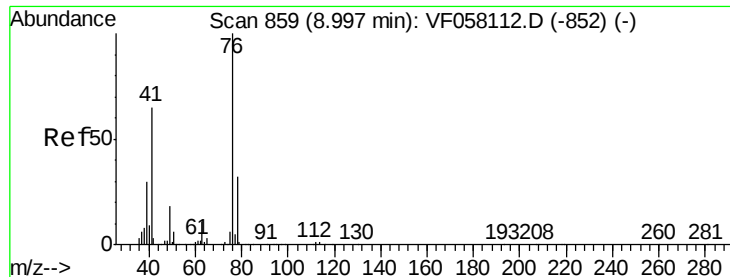


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.57 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

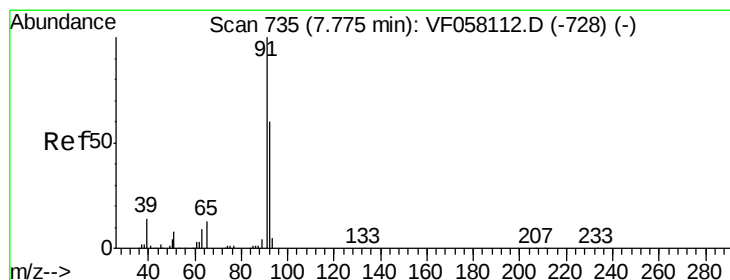
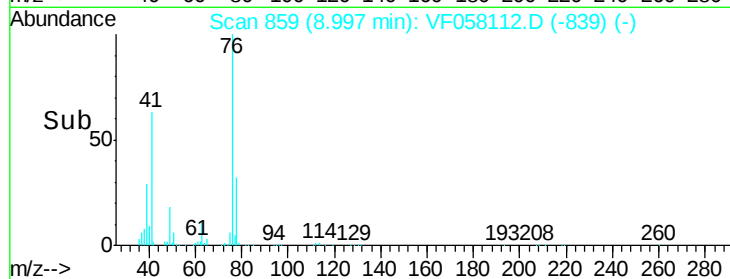
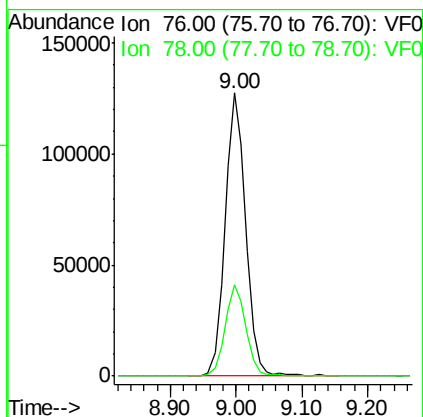
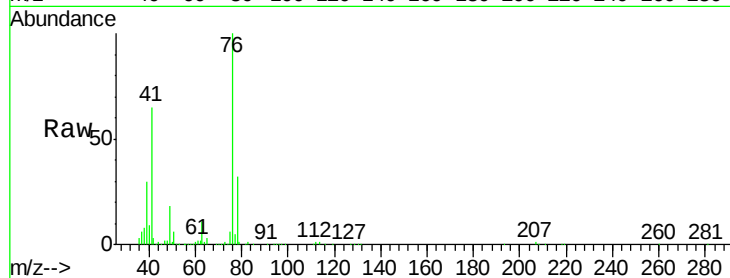
VSTDICCC050

Tgt Ion: 76 Resp: 278607

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 244.38 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF058112.D

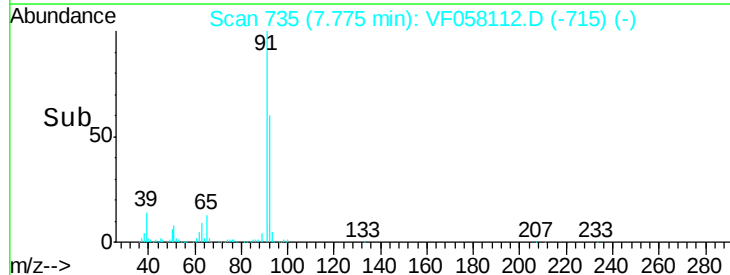
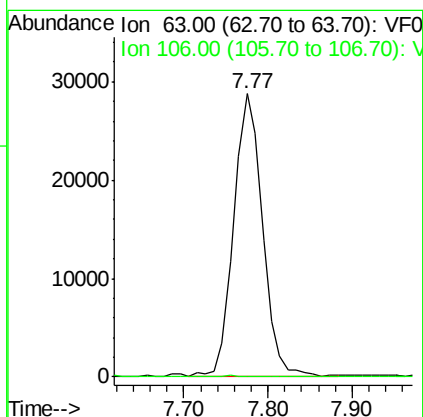
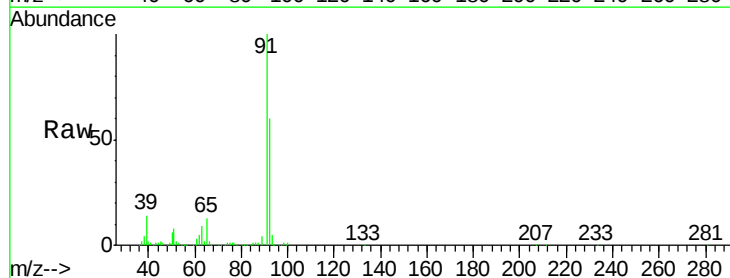
Acq: 6 Jun 2018 17:41

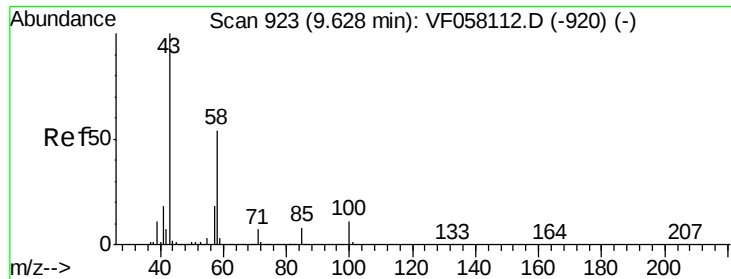
Tgt Ion: 63 Resp: 68977

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

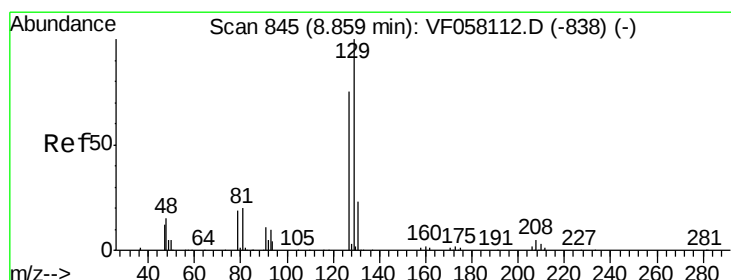
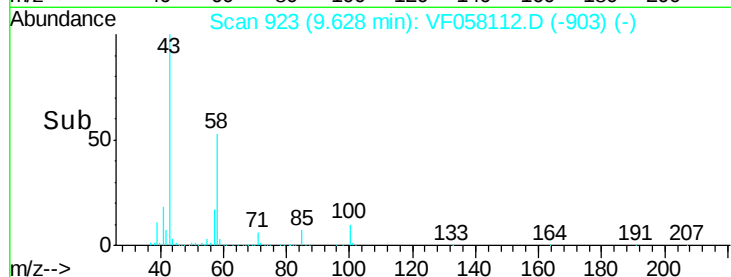
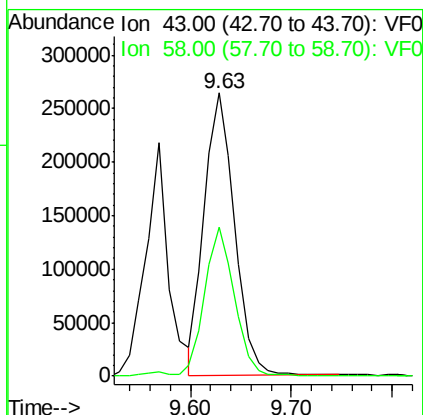
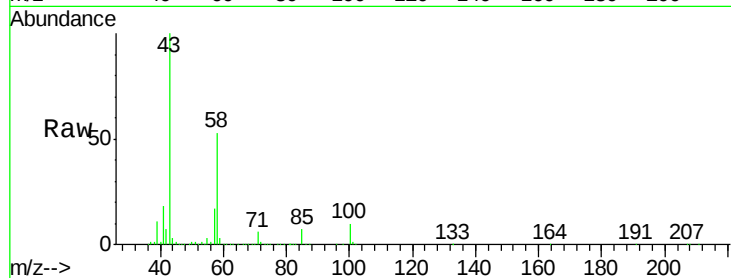




#59
2-Hexanone
Concen: 237.34 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

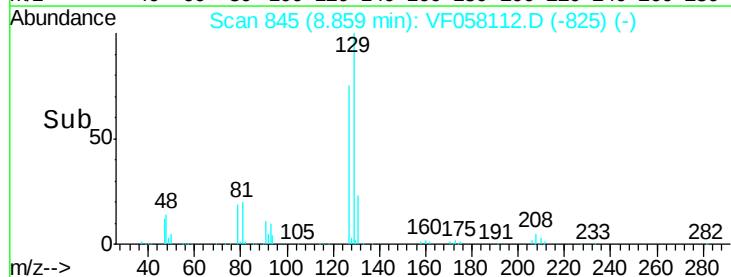
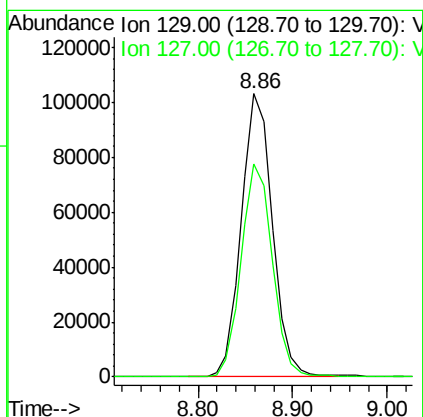
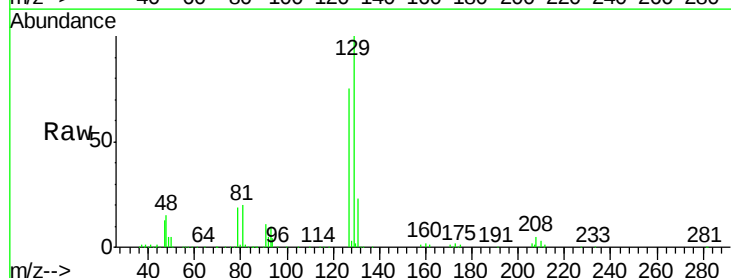
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

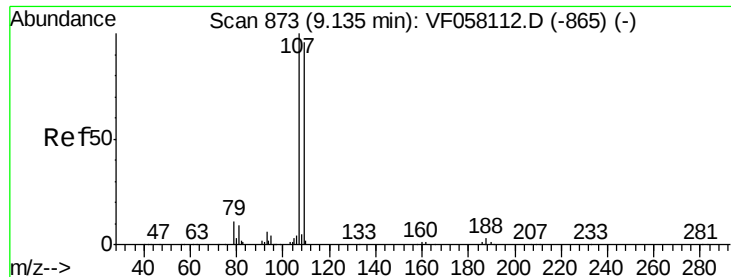
Tgt Ion: 43 Resp: 550913
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.8



#60
Dibromochloromethane
Concen: 51.31 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 129 Resp: 235535
Ion Ratio Lower Upper
129 100
127 75.3 37.6 112.9





#61

1,2-Dibromoethane

Concen: 48.47 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

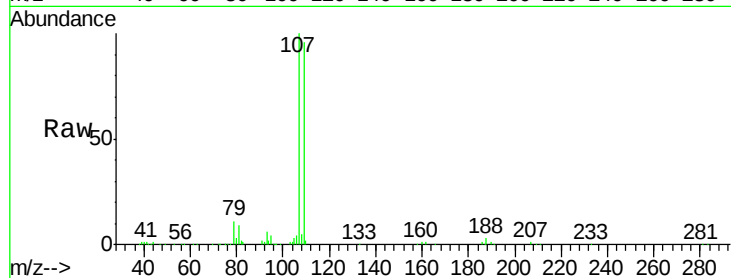
VSTDICCC050

Tgt Ion:107 Resp: 186693

Ion Ratio Lower Upper

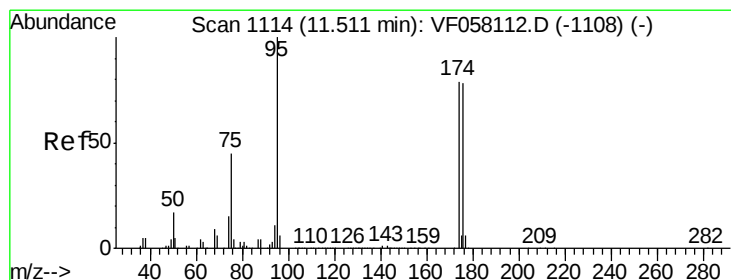
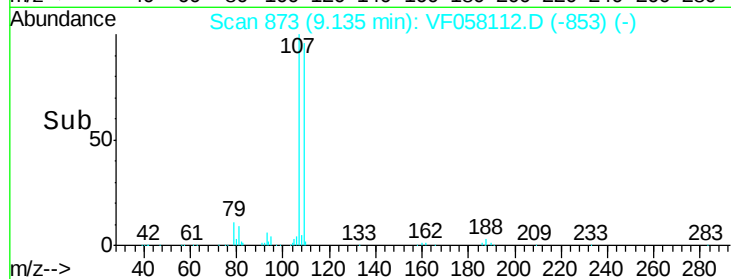
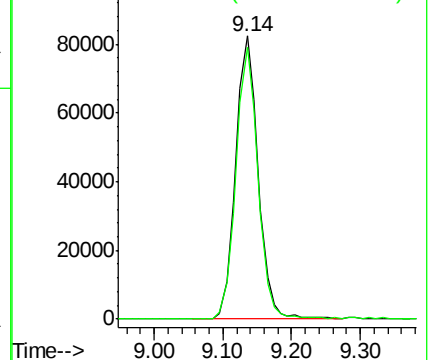
107 100

109 95.8 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.15 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

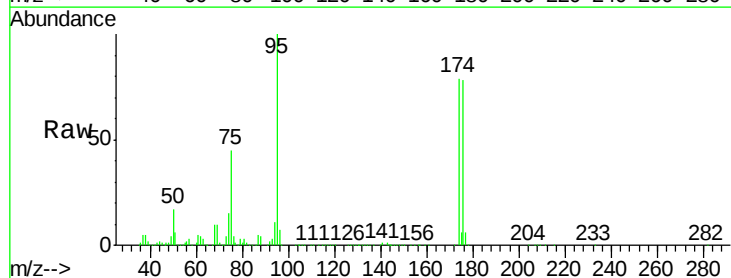
Tgt Ion: 95 Resp: 285459

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.8

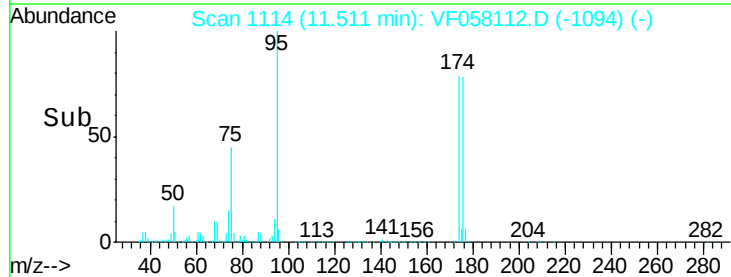
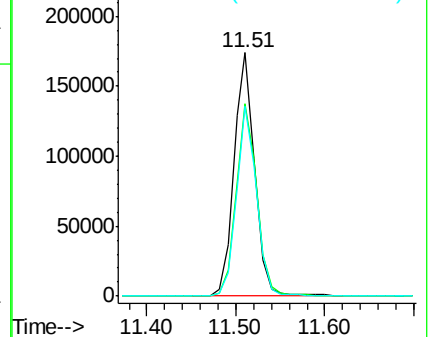
176 77.9 0.0 155.8

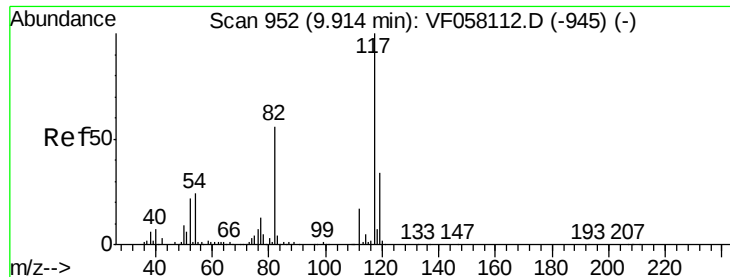


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

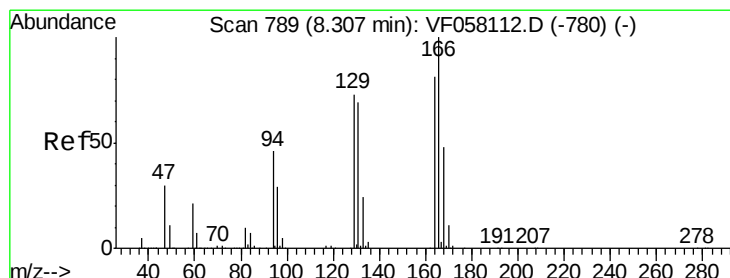
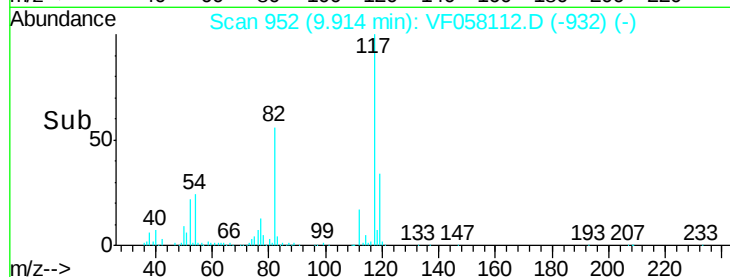
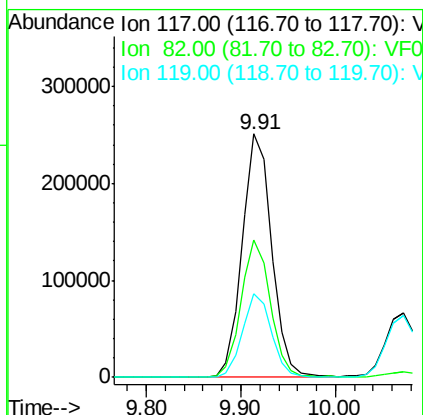
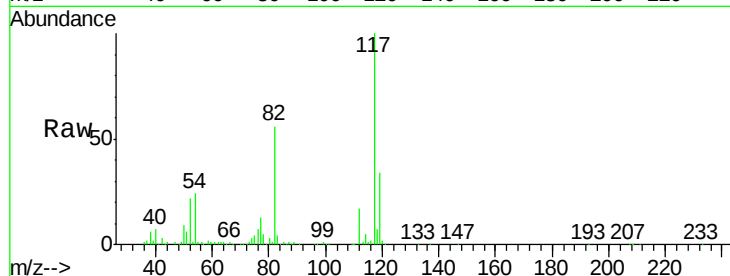




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

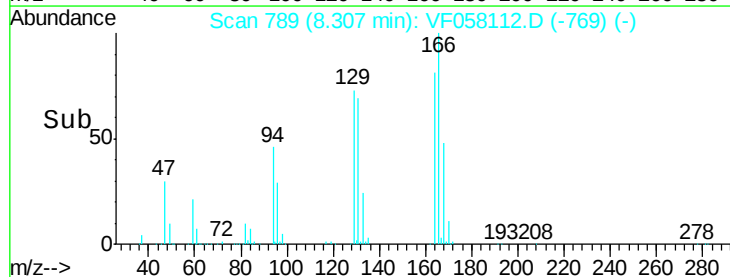
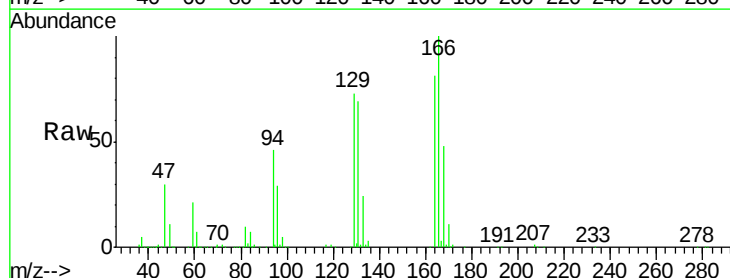
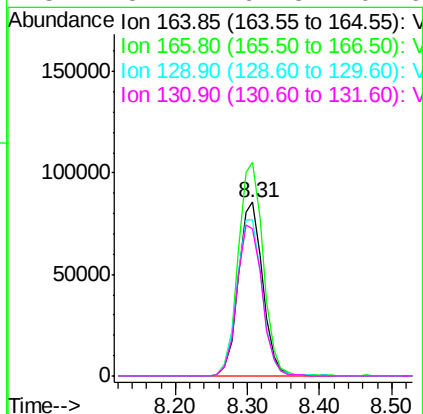
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

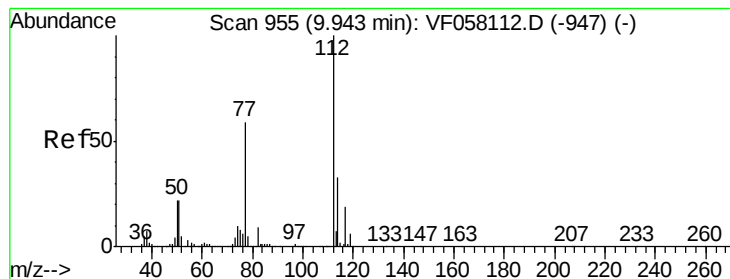
Tgt Ion:117 Resp: 544945
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 34.4 27.5 41.3



#64
Tetrachloroethene
Concen: 49.28 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion:164 Resp: 202719
Ion Ratio Lower Upper
164 100
166 122.8 98.2 147.4
129 89.5 71.6 107.4
131 84.7 67.8 101.6





#65

Chlorobenzene

Concen: 48.74 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

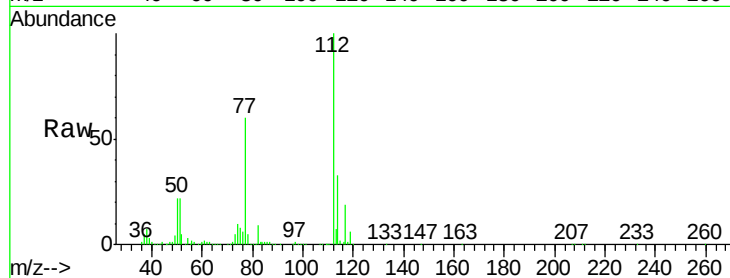
VSTDICCC050

Tgt Ion:112 Resp: 538148

Ion Ratio Lower Upper

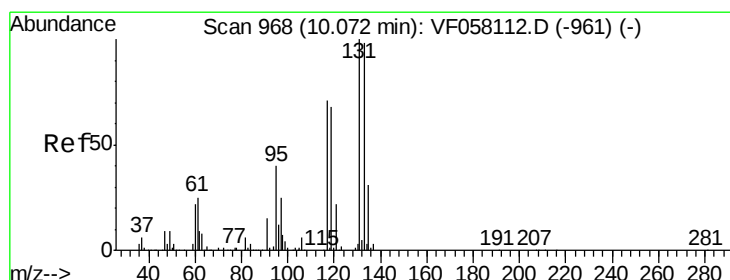
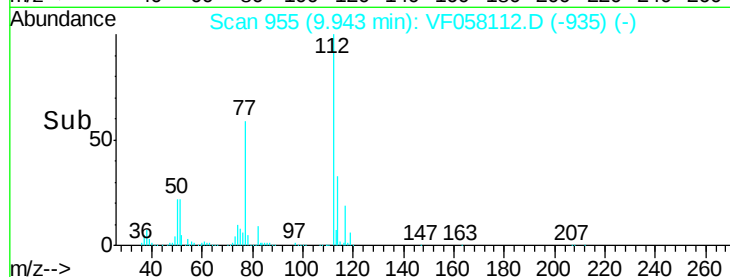
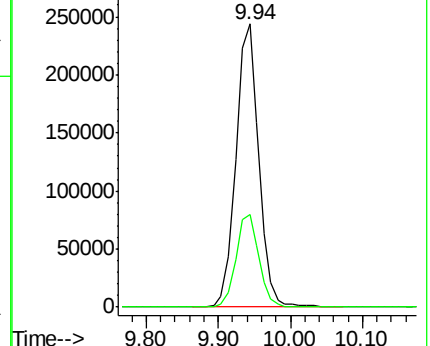
112 100

114 32.8 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.00 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

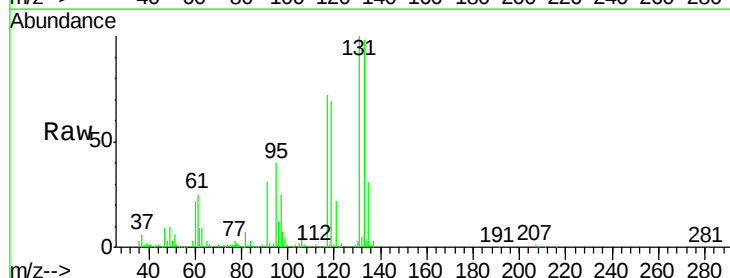
Tgt Ion:131 Resp: 211460

Ion Ratio Lower Upper

131 100

133 98.3 49.1 147.4

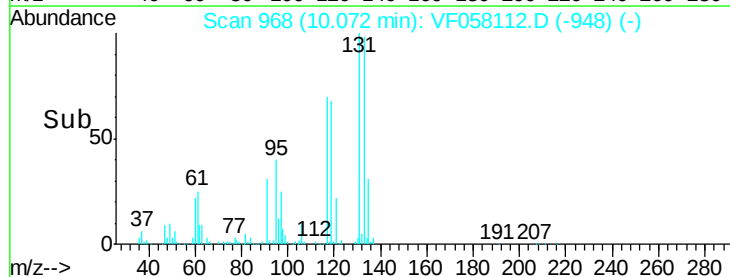
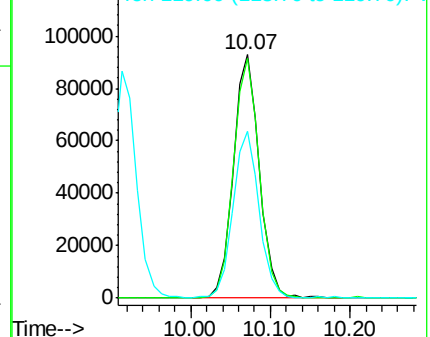
119 68.5 34.3 102.8

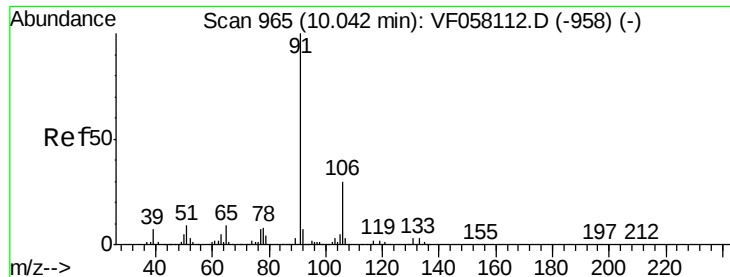


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 49.08 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

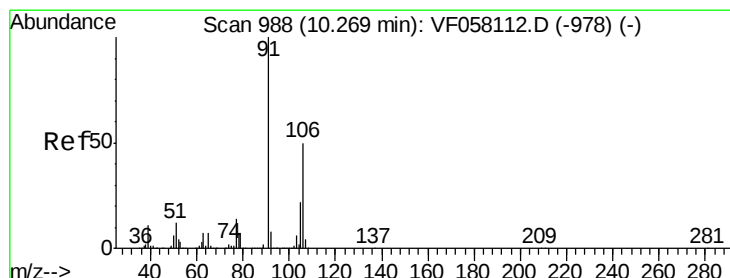
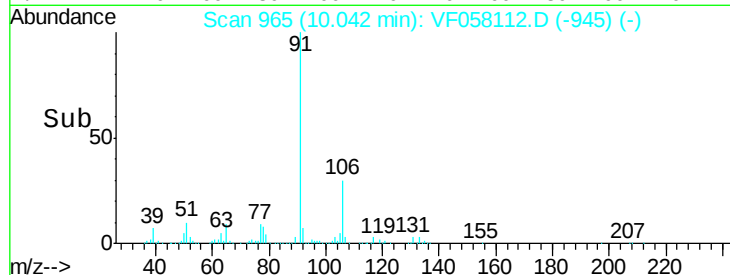
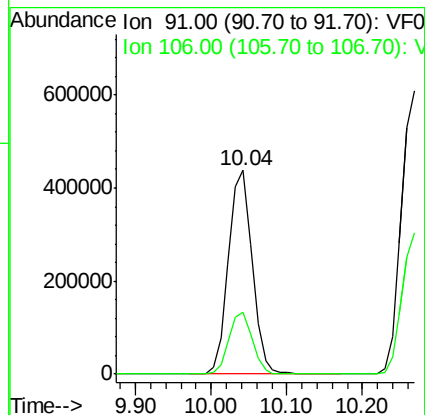
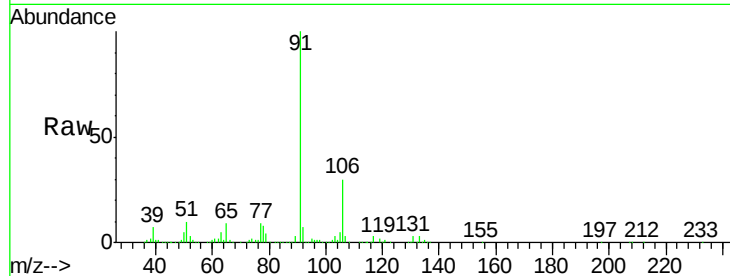
VSTDICCC050

Tgt Ion: 91 Resp: 952535

Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.4



#68

m/p-Xylenes

Concen: 90.26 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF058112.D

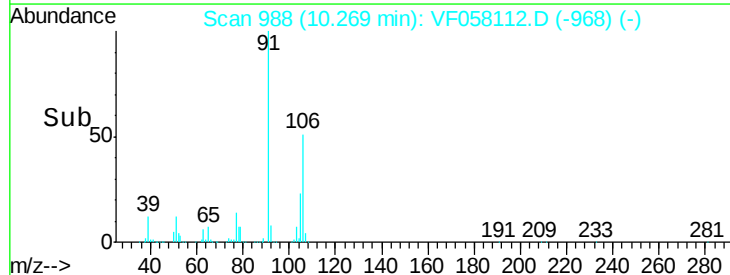
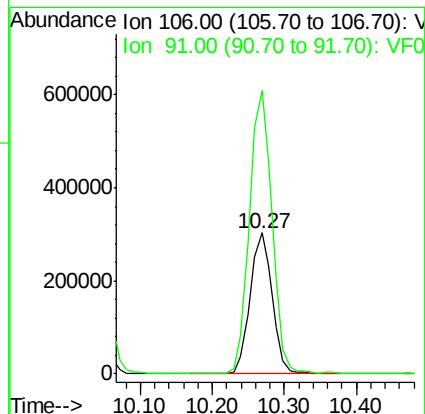
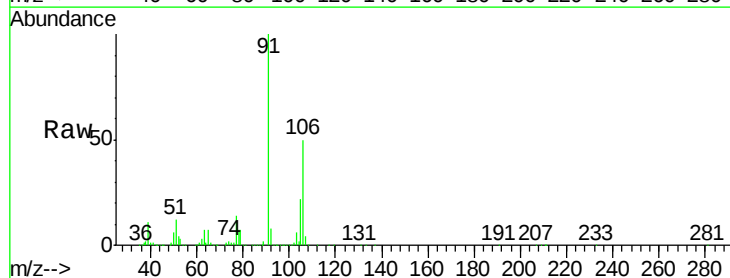
Acq: 6 Jun 2018 17:41

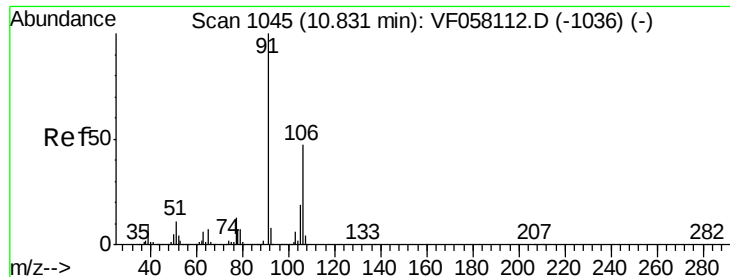
Tgt Ion: 106 Resp: 649423

Ion Ratio Lower Upper

106 100

91 200.9 160.7 241.1

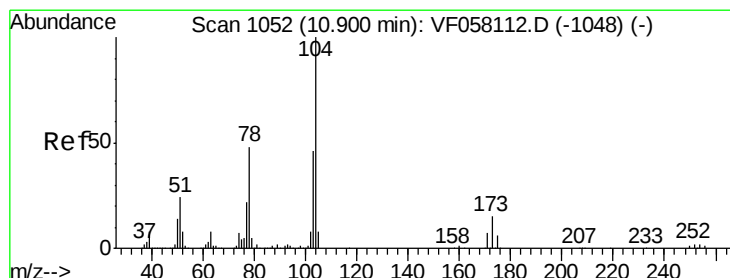
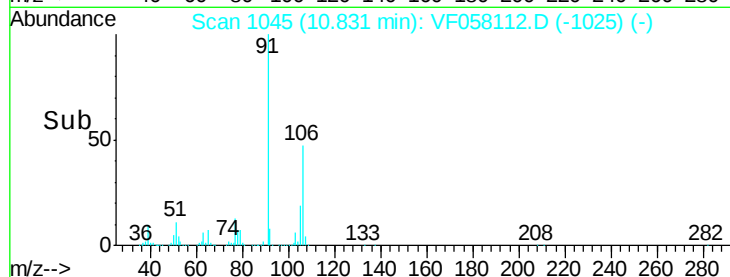
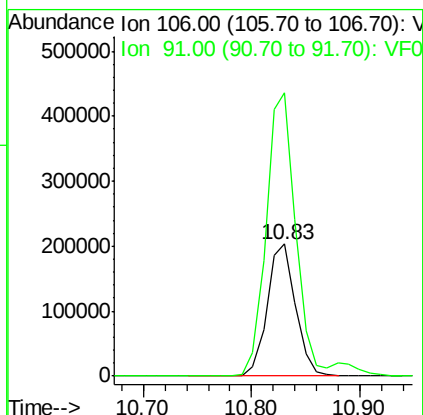
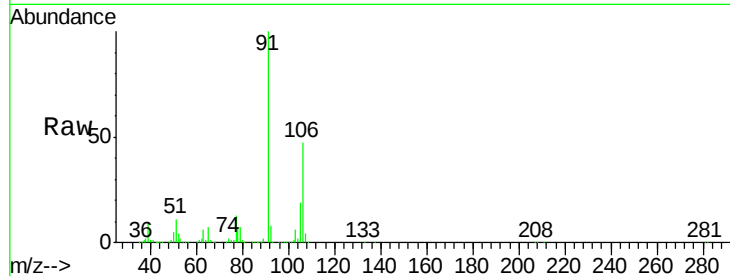




#69
o-Xylene
Concen: 47.93 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

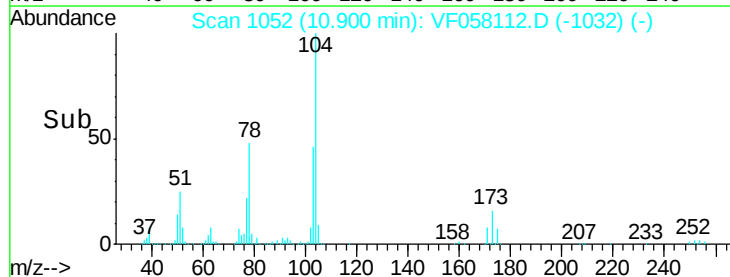
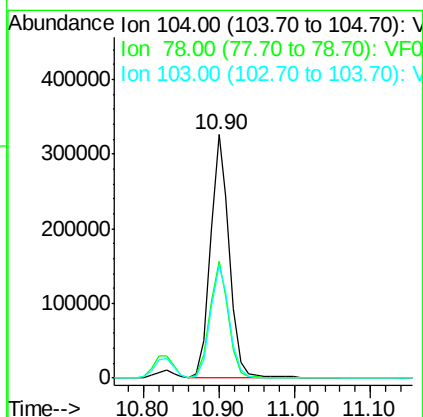
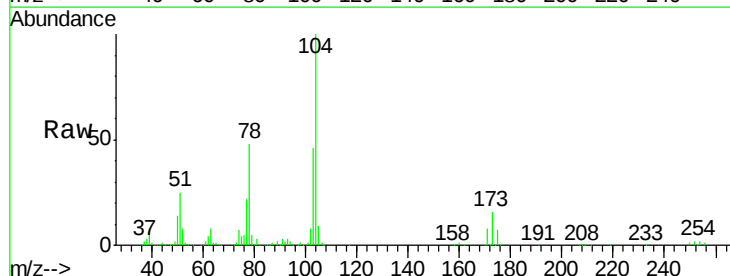
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

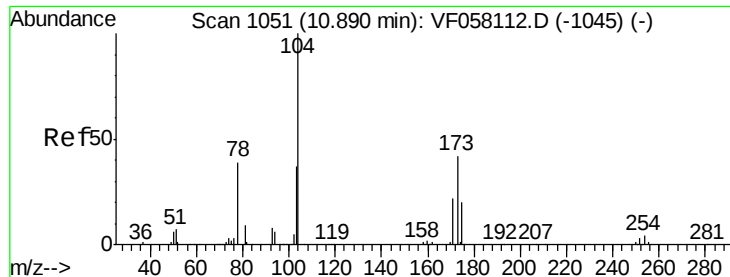
Tgt Ion:106 Resp: 375611
Ion Ratio Lower Upper
106 100
91 214.0 107.0 321.0



#70
Styrene
Concen: 48.33 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion:104 Resp: 567869
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 46.3 37.0 55.6





#71

Bromoform

Concen: 49.03 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

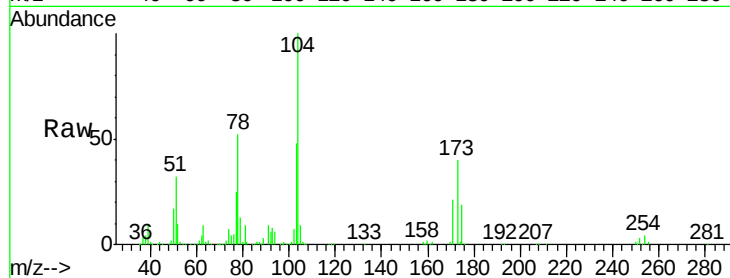
Tgt Ion:173 Resp: 145529

Ion Ratio Lower Upper

173 100

175 49.3 24.6 74.0

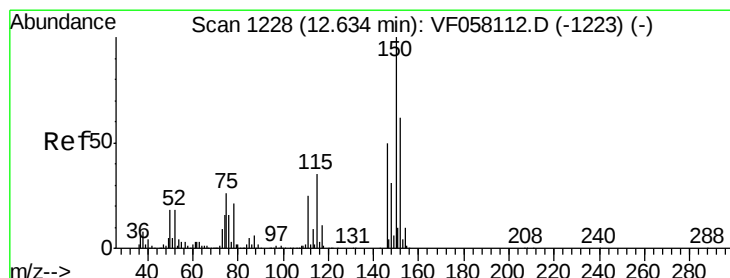
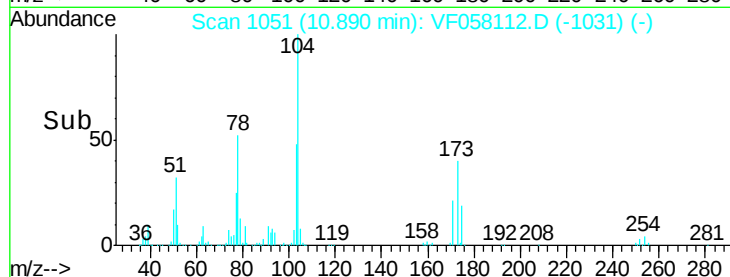
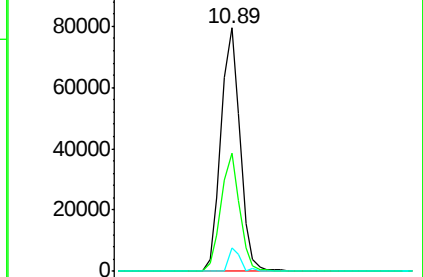
254 9.8 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

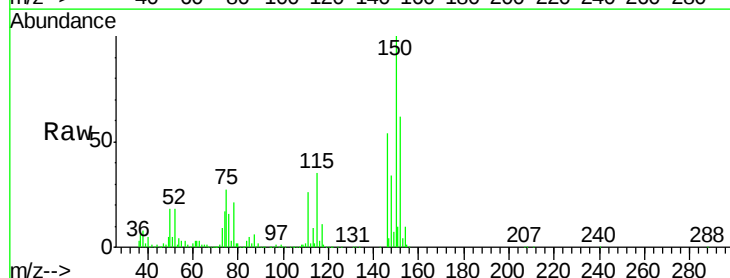
Tgt Ion:152 Resp: 302506

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.5

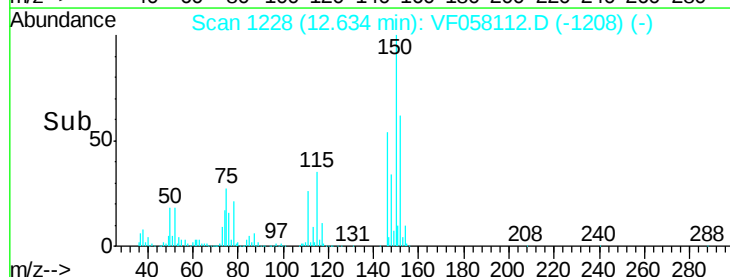
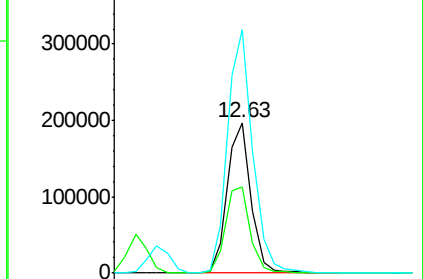
150 161.9 0.0 323.8

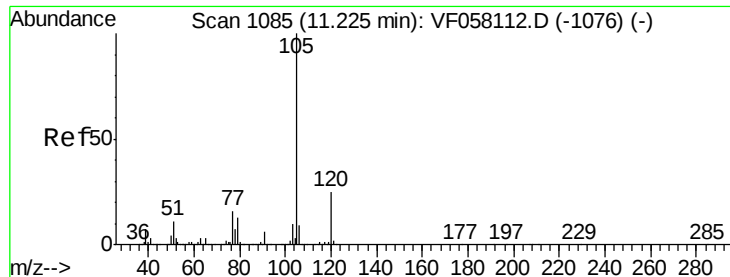


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.56 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

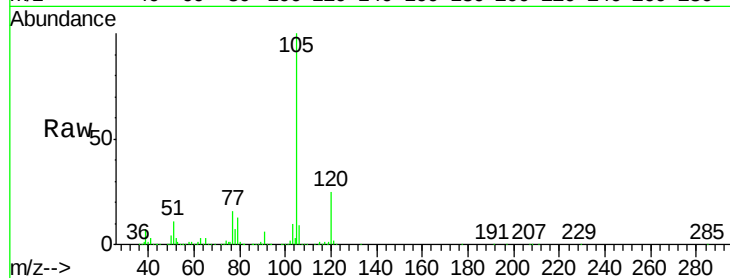
VSTDICCC050

Tgt Ion:105 Resp: 1064618

Ion Ratio Lower Upper

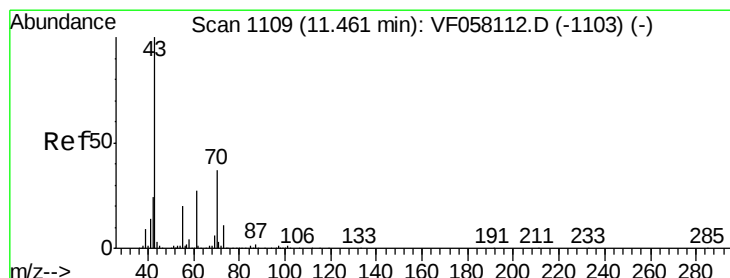
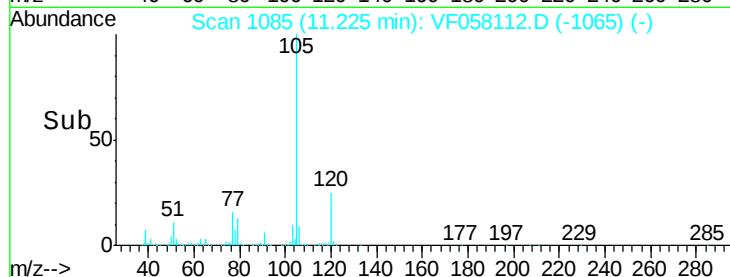
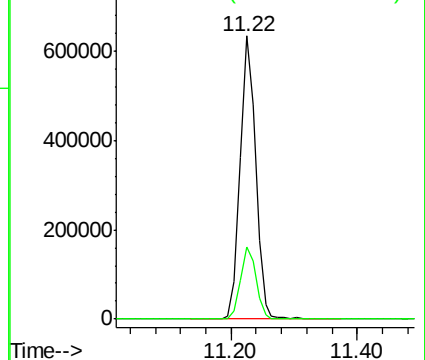
105 100

120 25.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.80 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion: 43 Resp: 358898

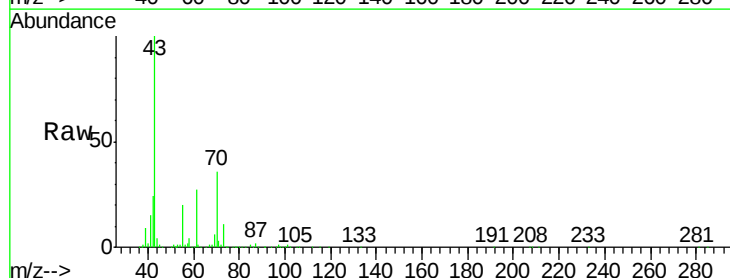
Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 19.7 15.8 23.6

61 26.6 21.3 31.9

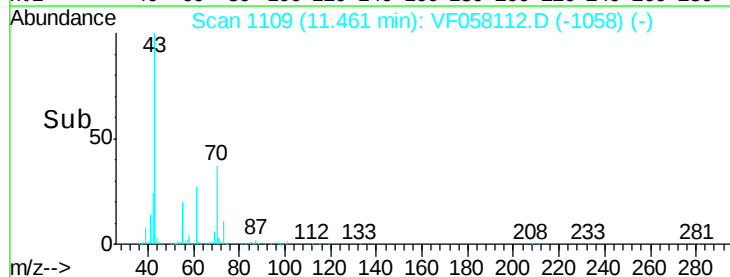
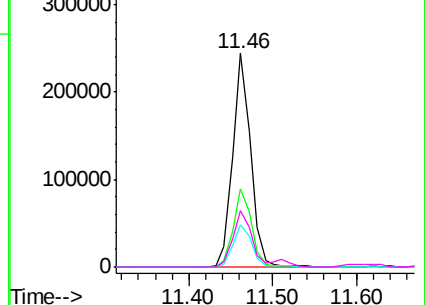


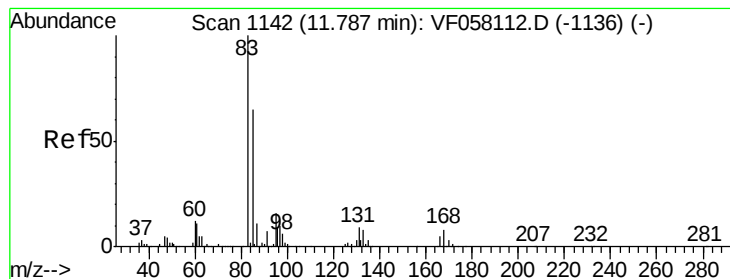
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.83 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

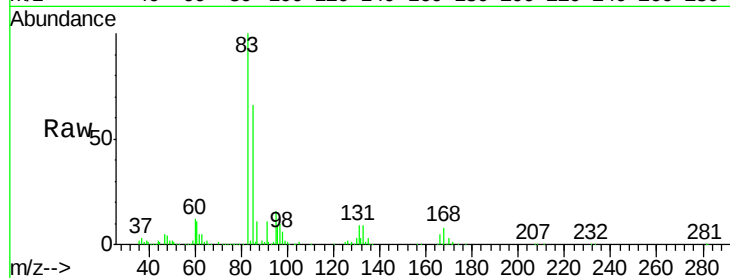
Tgt Ion: 83 Resp: 240997

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

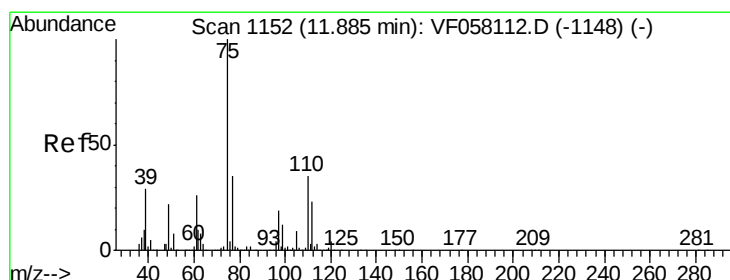
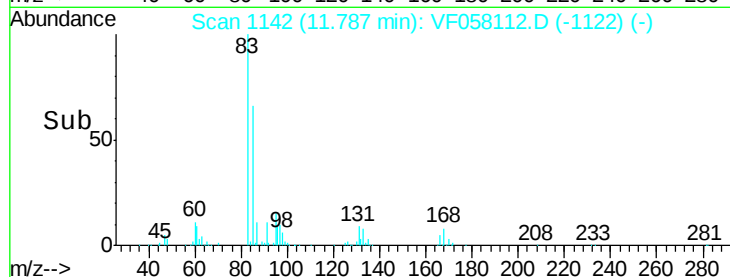
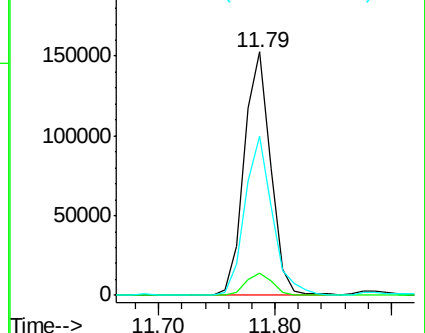
85 65.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.90 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF058112.D

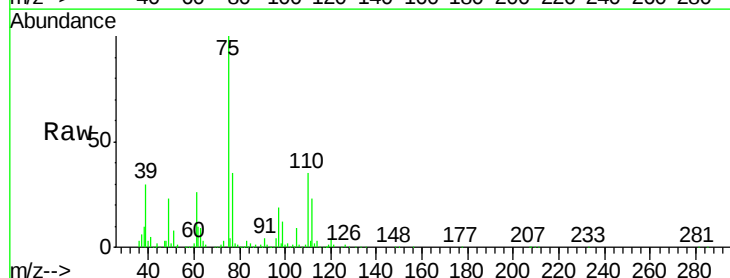
Acq: 6 Jun 2018 17:41

Tgt Ion: 75 Resp: 176093

Ion Ratio Lower Upper

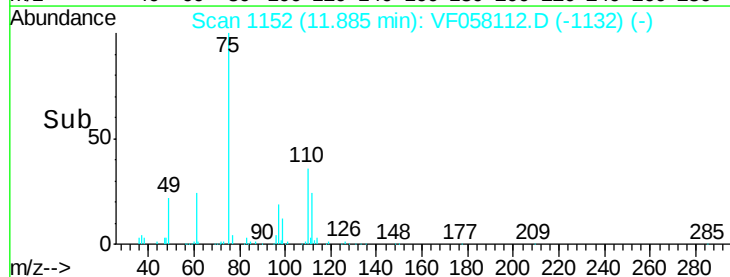
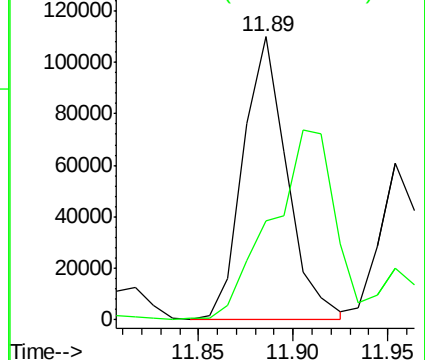
75 100

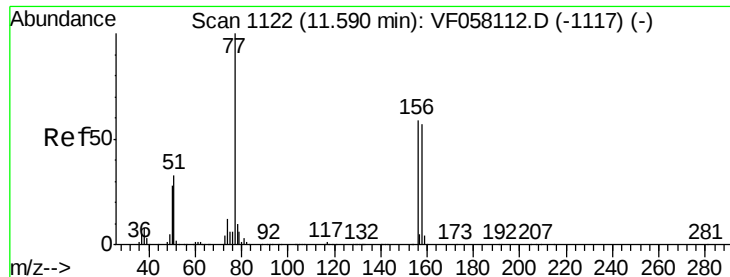
77 35.0 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.41 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

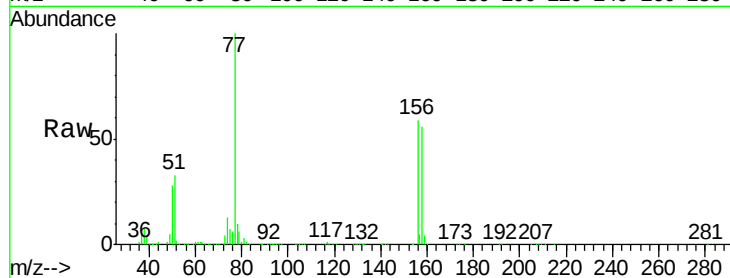
Tgt Ion:156 Resp: 264527

Ion Ratio Lower Upper

156 100

77 169.6 84.8 254.4

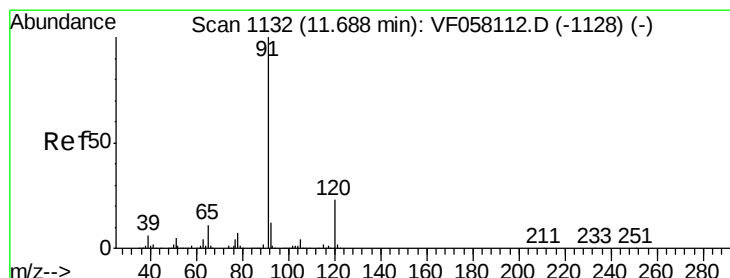
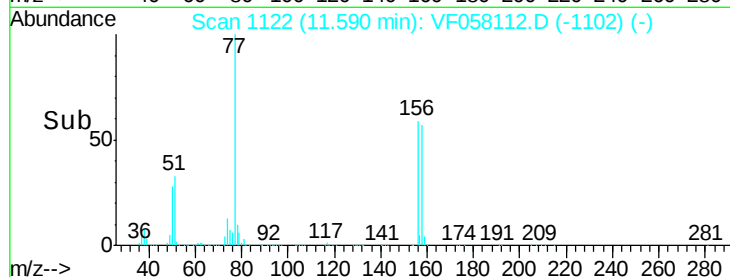
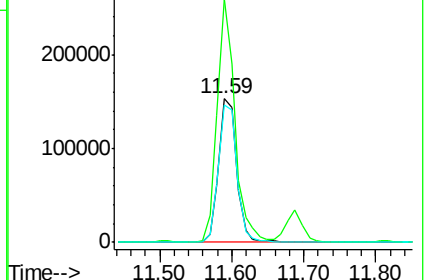
158 95.8 47.9 143.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.86 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF058112.D

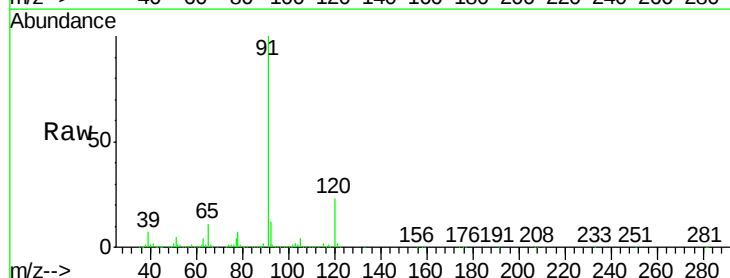
Acq: 6 Jun 2018 17:41

Tgt Ion: 91 Resp: 1254259

Ion Ratio Lower Upper

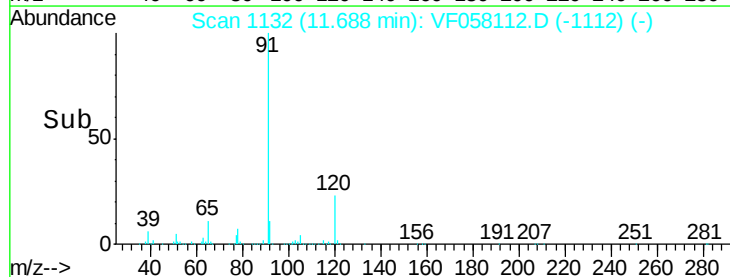
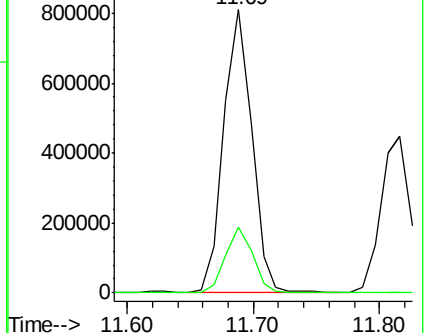
91 100

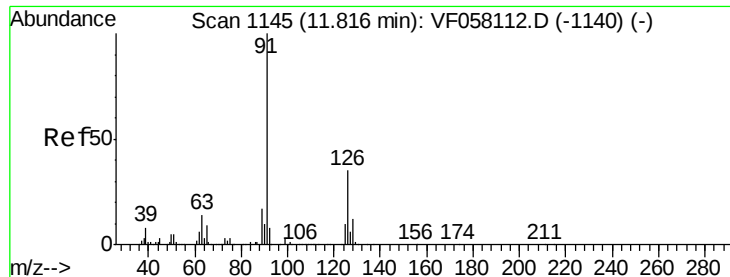
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

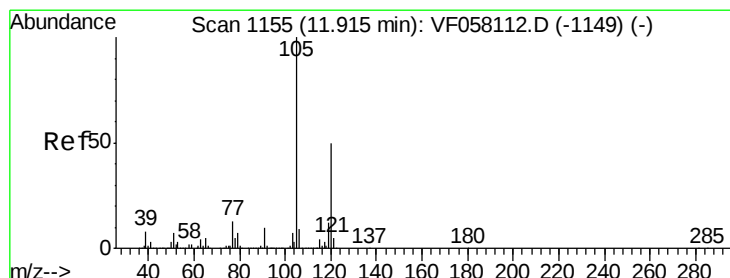
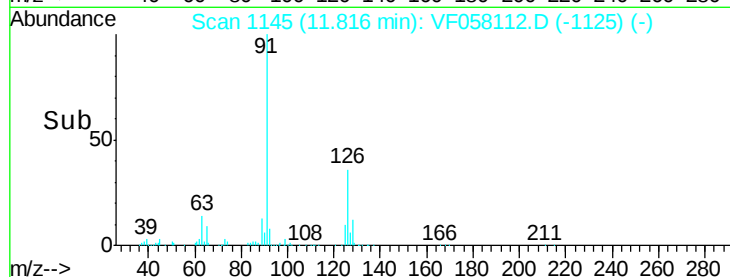
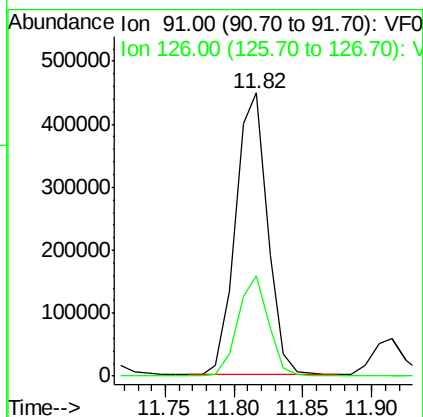
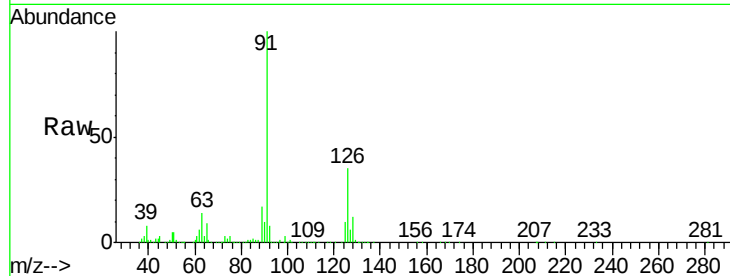




#79
 2-Chlorotoluene
 Concen: 47.97 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

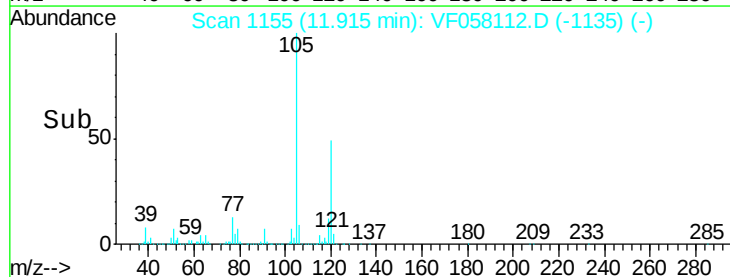
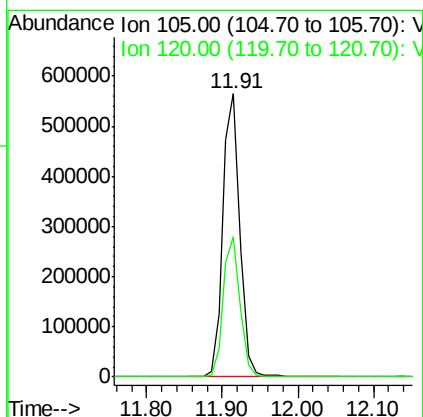
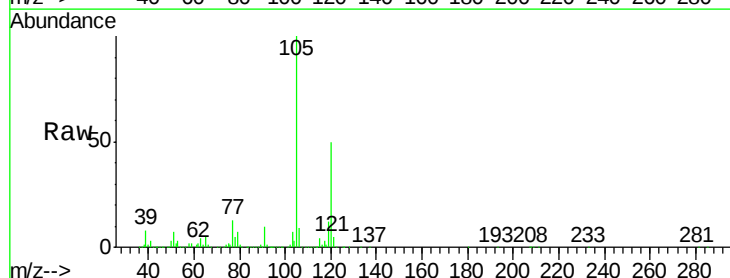
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

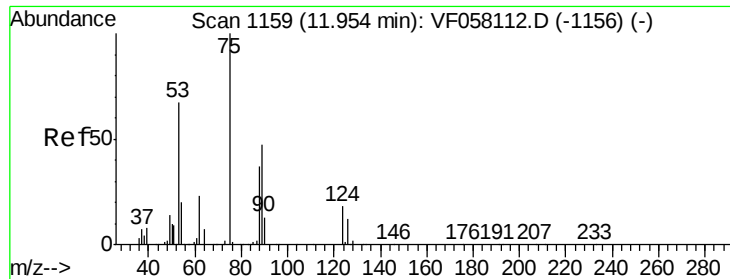
Tgt Ion: 91 Resp: 727379
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 49.50 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 105 Resp: 881504
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.47 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

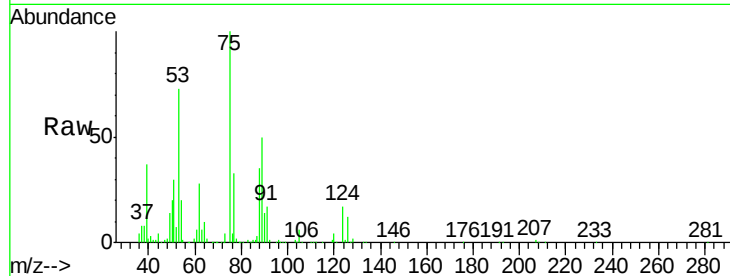
Tgt Ion: 75 Resp: 112889

Ion Ratio Lower Upper

75 100

53 73.4 58.7 88.1

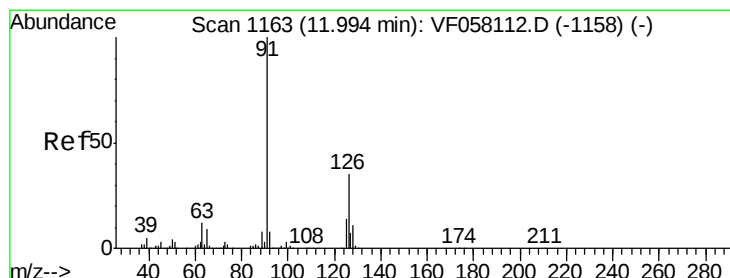
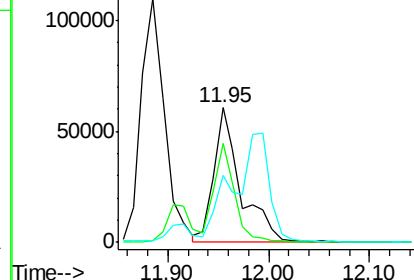
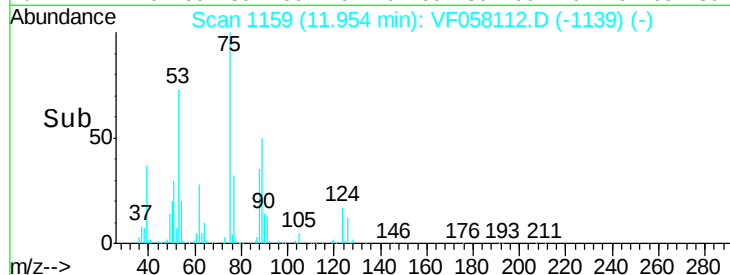
89 49.7 39.8 59.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 48.33 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF058112.D

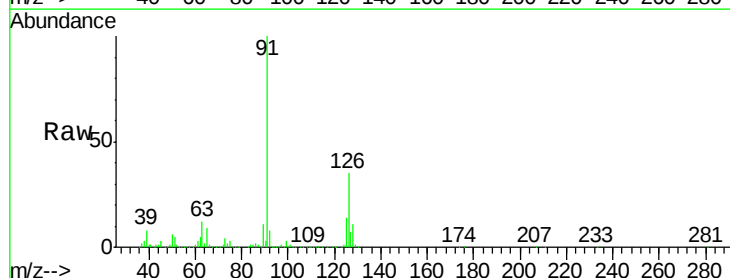
Acq: 6 Jun 2018 17:41

Tgt Ion: 91 Resp: 772813

Ion Ratio Lower Upper

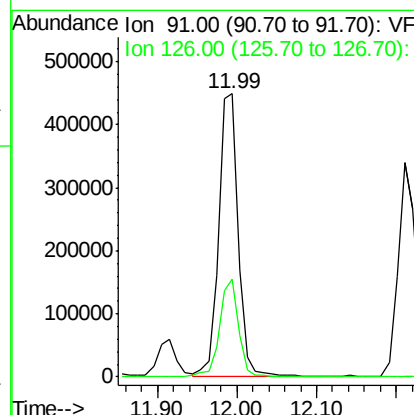
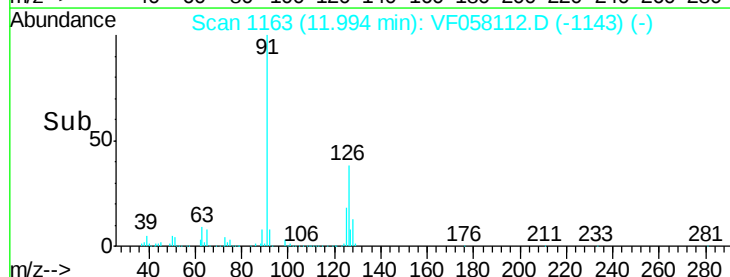
91 100

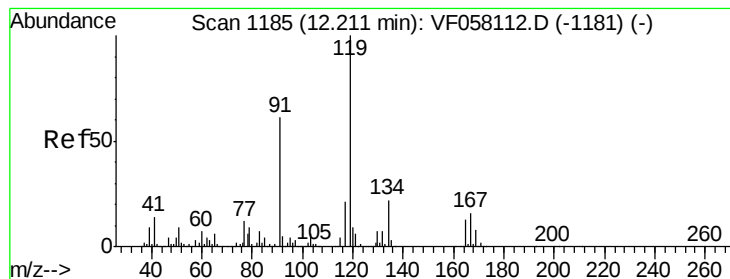
126 34.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 50.05 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

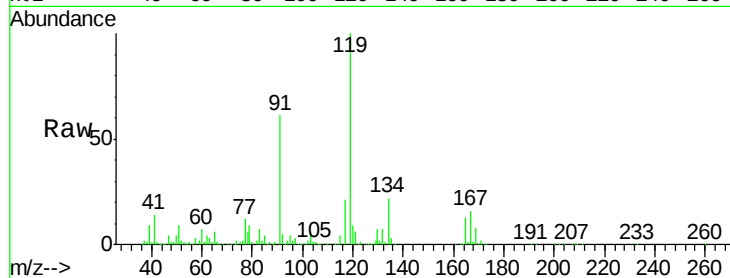
Tgt Ion:119 Resp: 891563

Ion Ratio Lower Upper

119 100

91 60.9 30.4 91.3

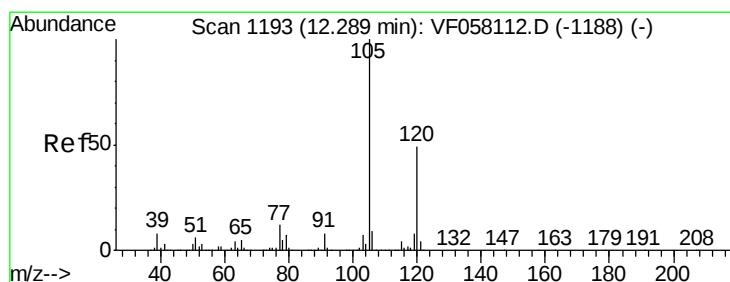
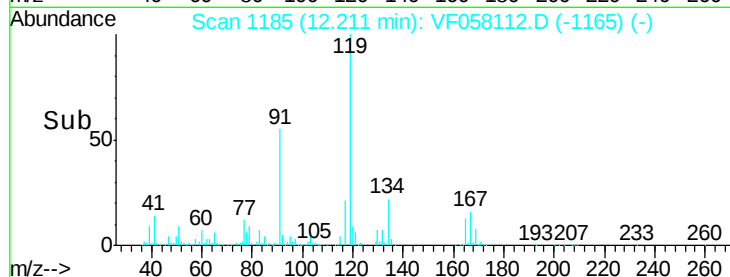
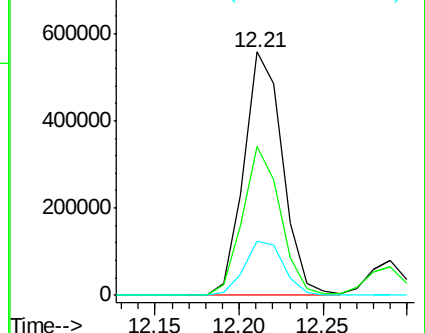
134 22.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.17 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF058112.D

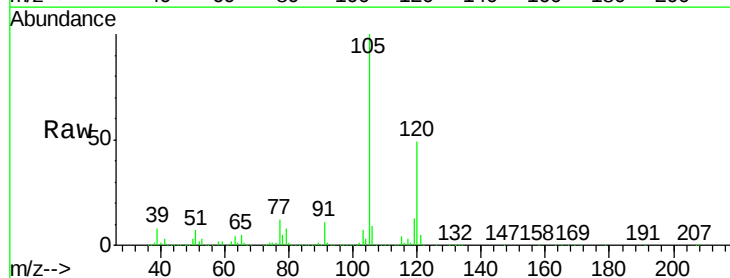
Acq: 6 Jun 2018 17:41

Tgt Ion:105 Resp: 945314

Ion Ratio Lower Upper

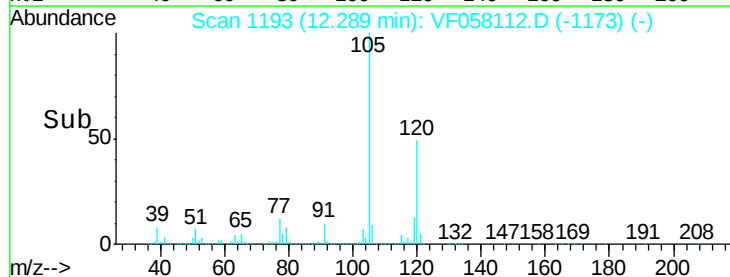
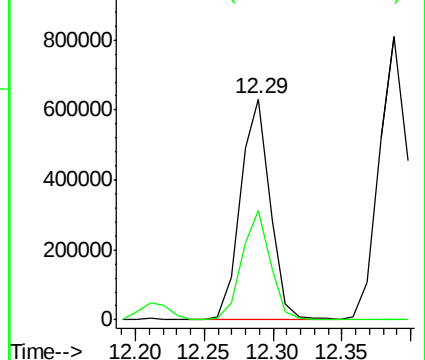
105 100

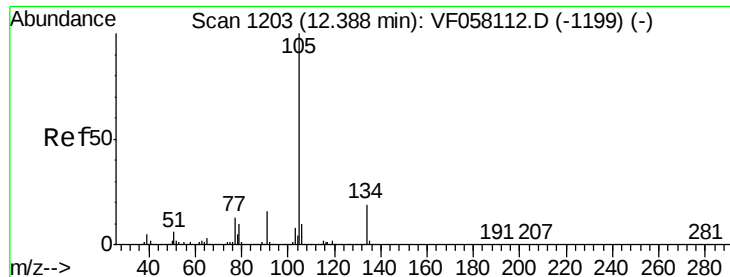
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

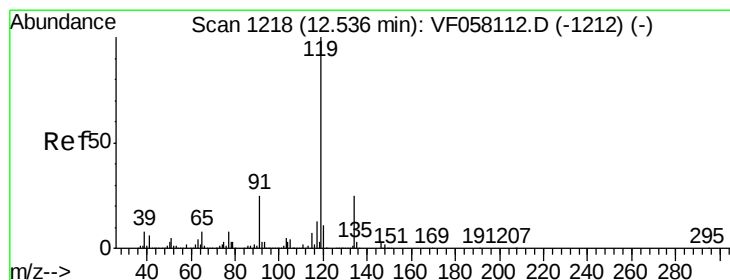
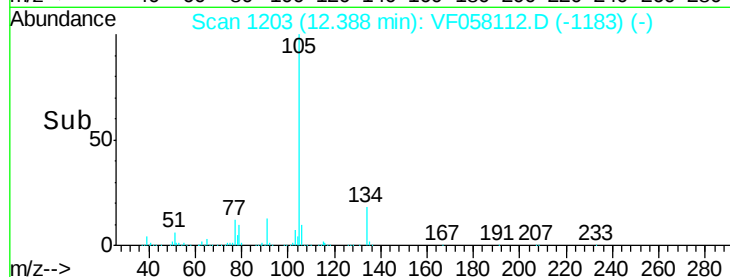
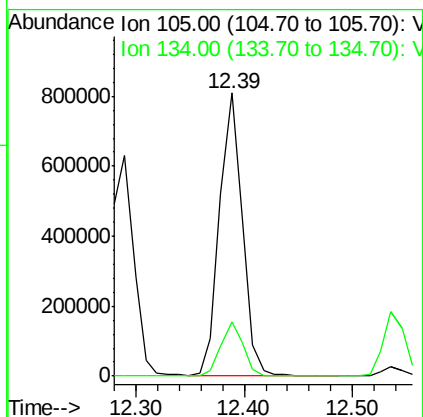
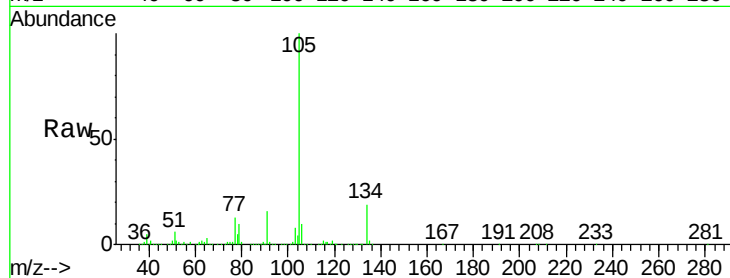




#85
 sec-Butylbenzene
 Concen: 49.27 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

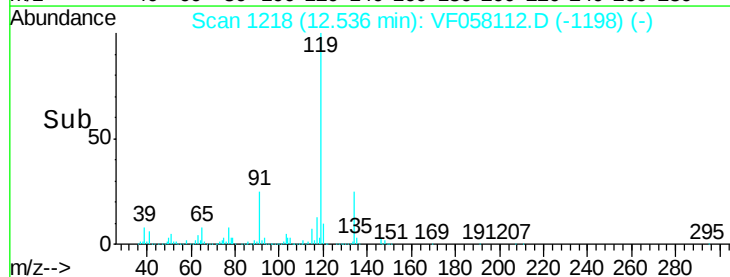
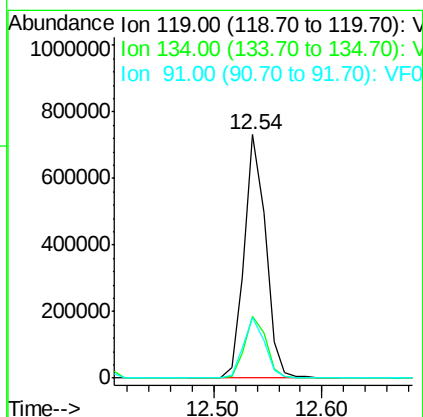
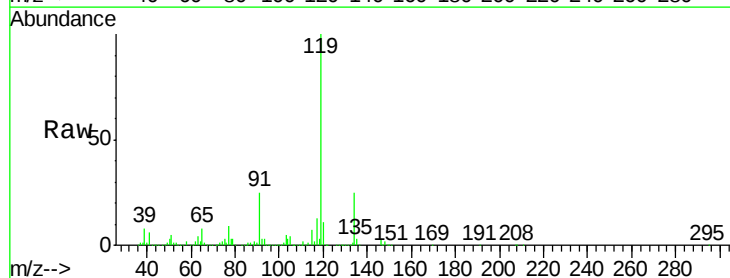
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

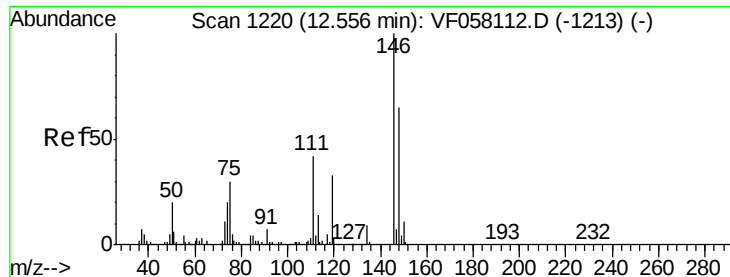
Tgt Ion:105 Resp: 1188624
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 50.15 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion:119 Resp: 1008707
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.0
 91 25.1 12.6 37.6

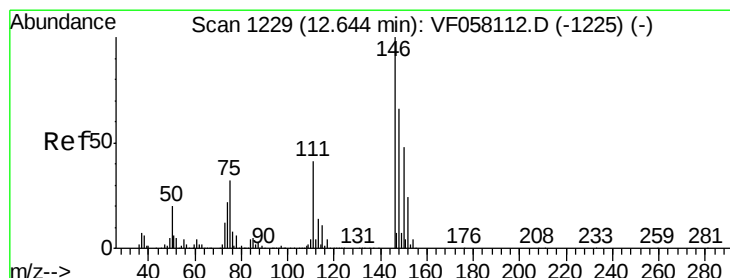
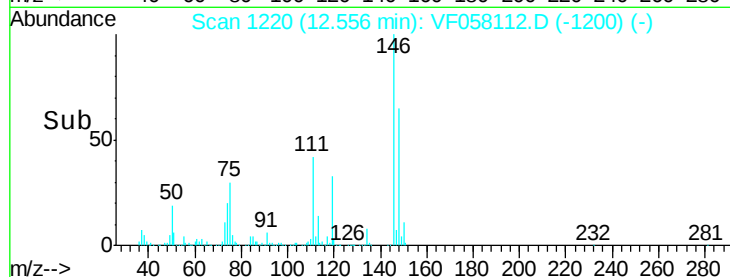
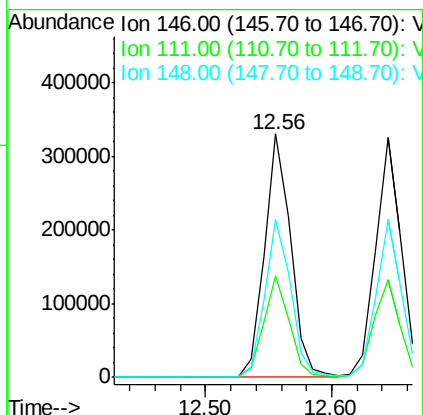
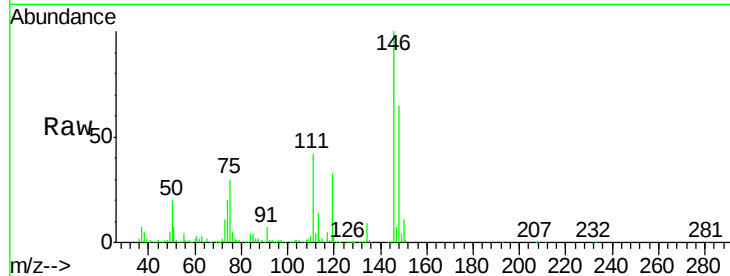




#87
 1,3-Dichlorobenzene
 Concen: 48.70 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

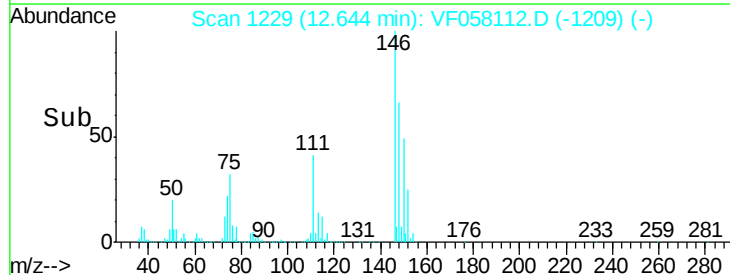
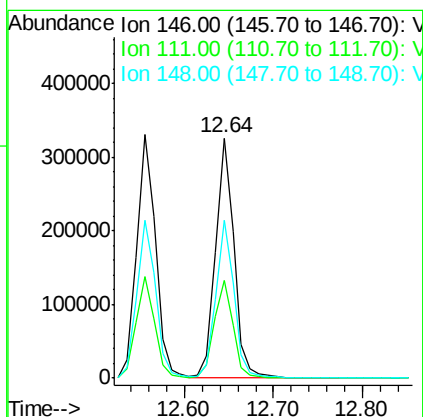
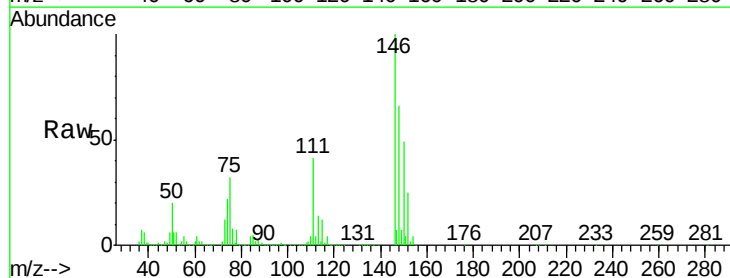
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

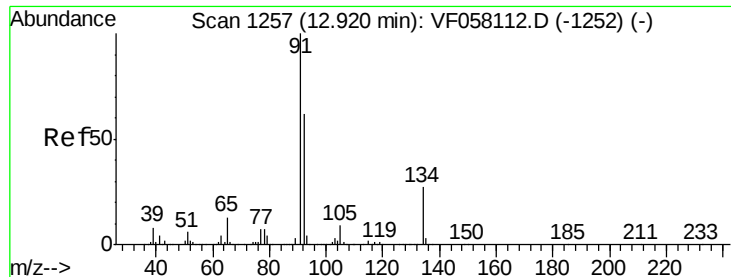
Tgt Ion:146 Resp: 480604
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.5
 148 64.6 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 49.87 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion:146 Resp: 472459
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.4 61.2
 148 66.0 33.0 99.0





#89

n-Butylbenzene

Concen: 49.83 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

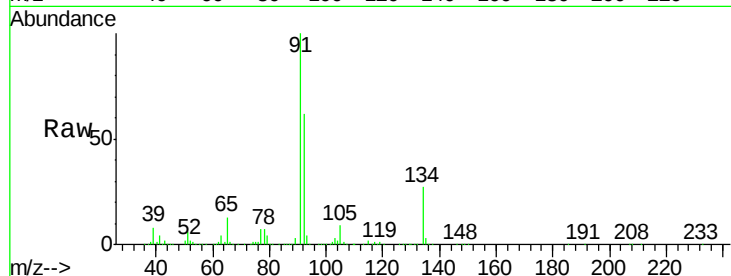
Tgt Ion: 91 Resp: 1044526

Ion Ratio Lower Upper

91 100

92 62.3 31.1 93.5

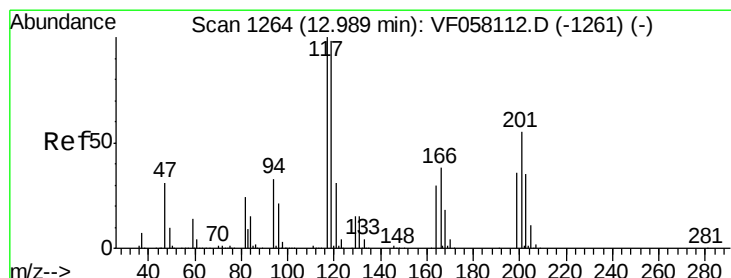
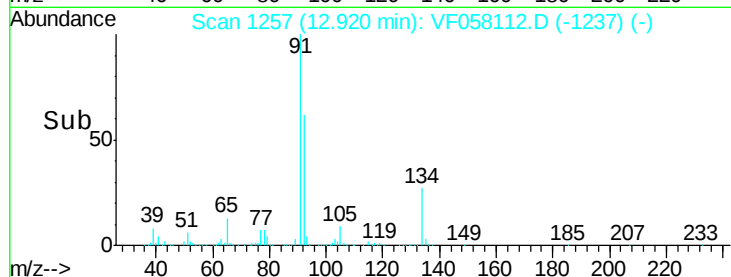
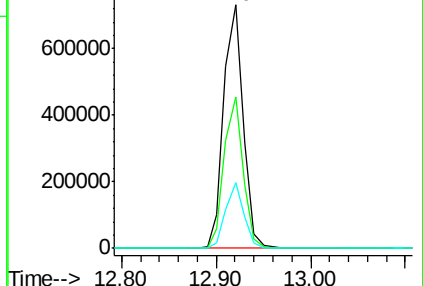
134 27.2 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.19 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF058112.D

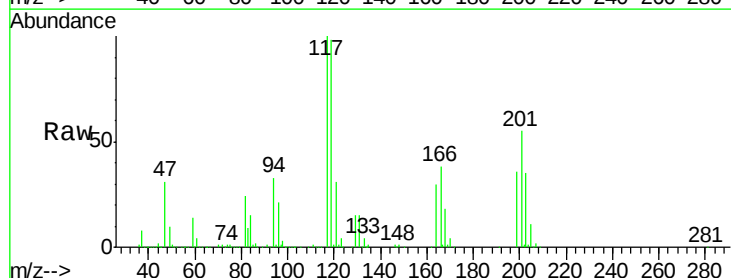
Acq: 6 Jun 2018 17:41

Tgt Ion: 117 Resp: 243482

Ion Ratio Lower Upper

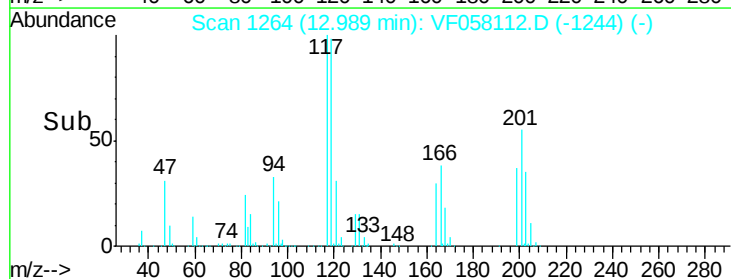
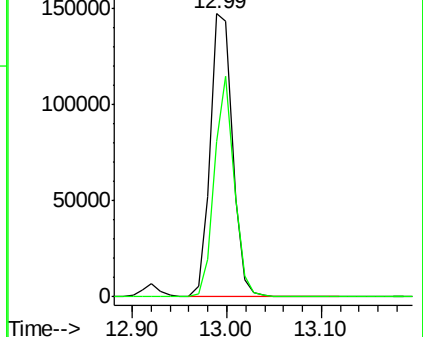
117 100

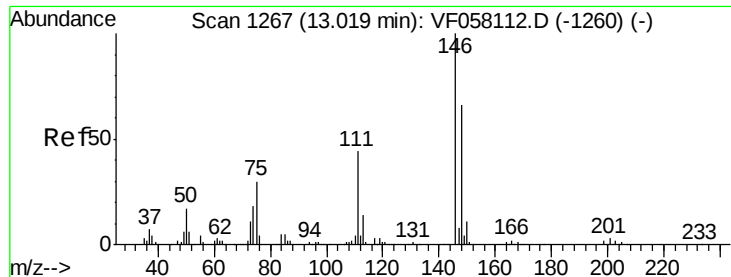
201 54.9 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

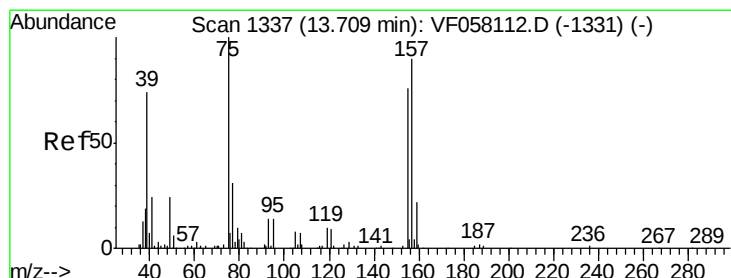
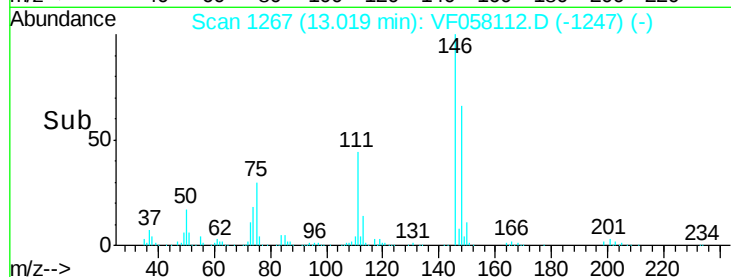
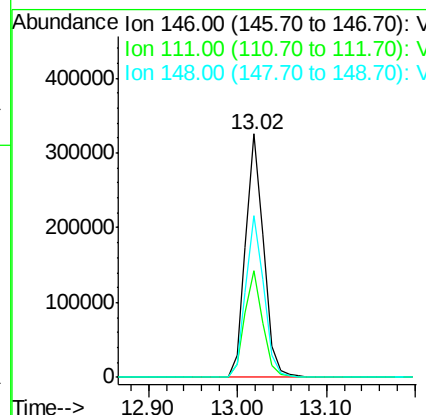
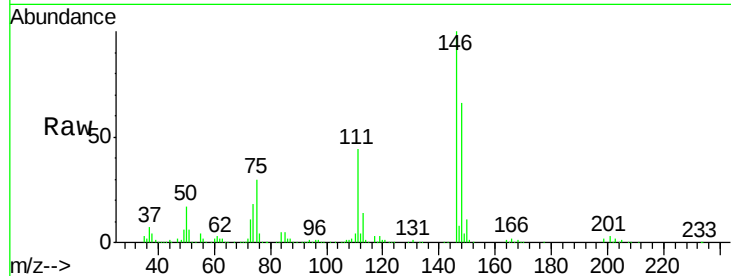




#91
 1,2-Dichlorobenzene
 Concen: 48.14 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

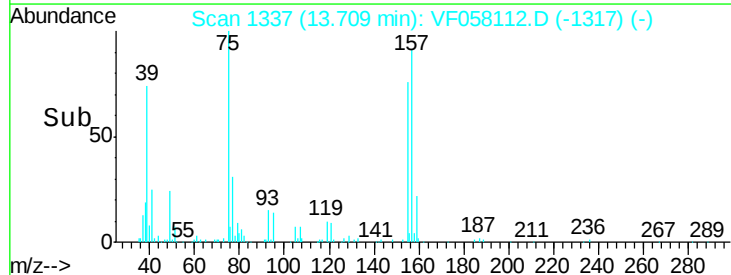
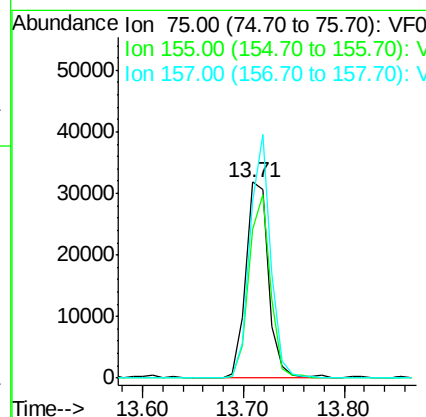
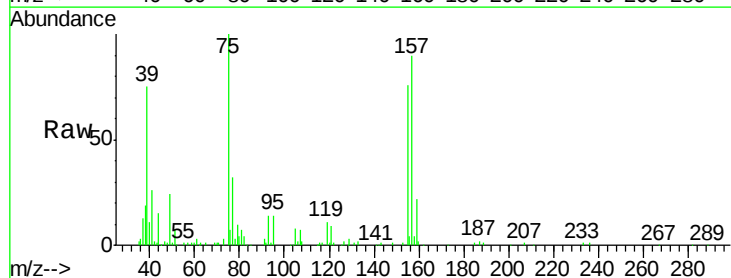
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

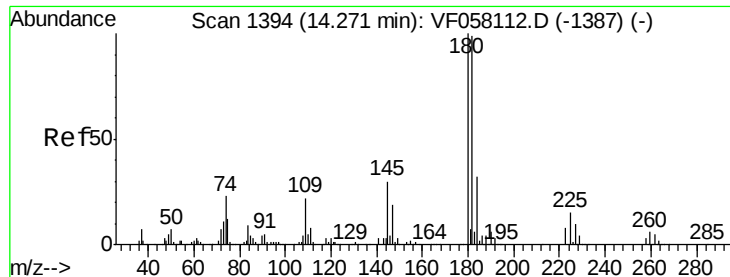
Tgt Ion: 146 Resp: 461195
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.0 66.0
 148 66.2 33.1 99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.29 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 75 Resp: 50338
 Ion Ratio Lower Upper
 75 100
 155 76.0 38.0 114.0
 157 90.3 45.1 135.5

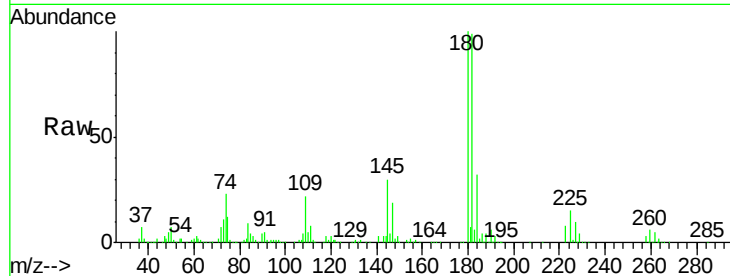




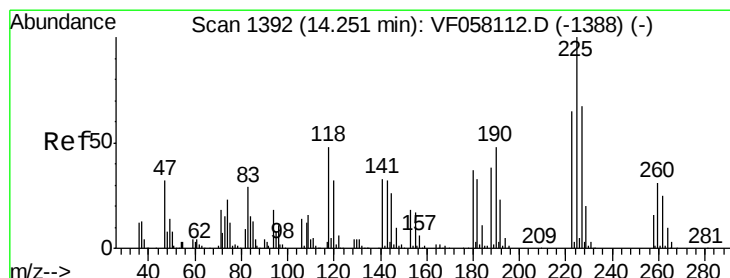
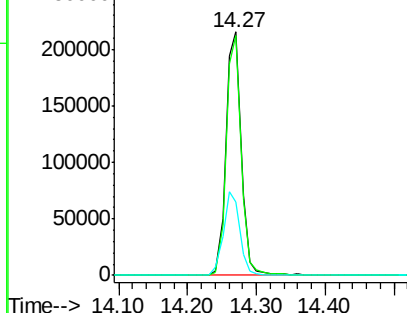
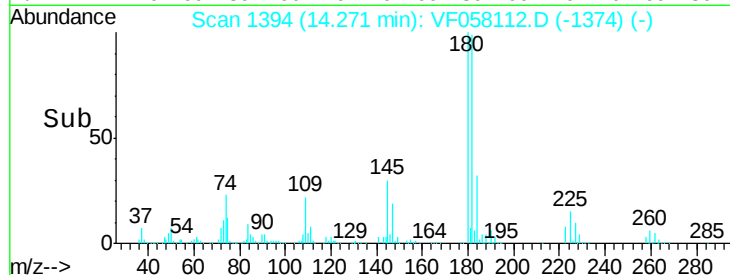
#93
 1,2,4-Trichlorobenzene
 Concen: 49.47 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 332394
 Ion Ratio Lower Upper
 180 100
 182 98.6 49.3 147.9
 145 29.9 14.9 44.9

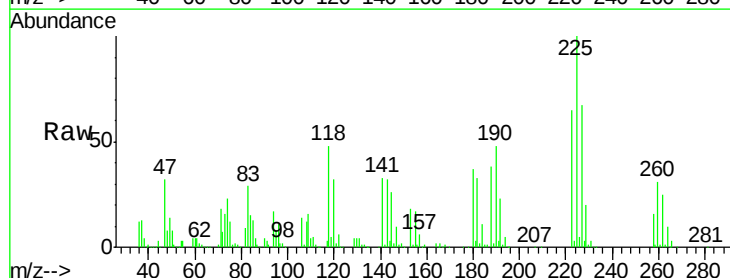


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

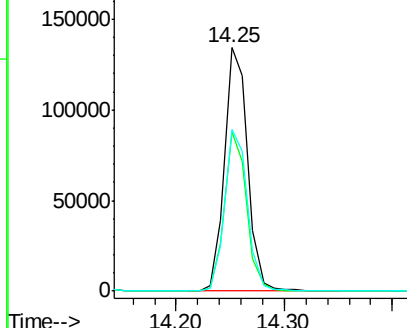
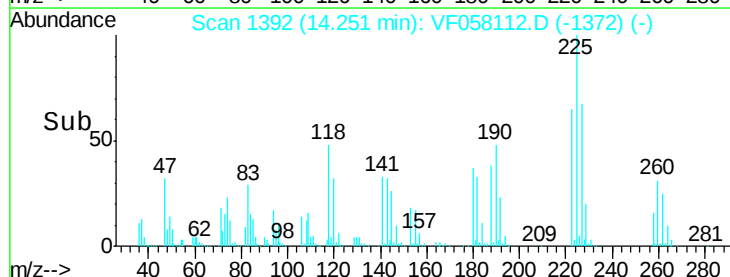


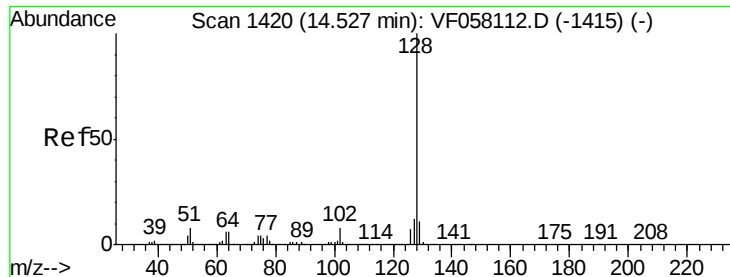
#94
 Hexachlorobutadiene
 Concen: 51.55 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion:225 Resp: 199977
 Ion Ratio Lower Upper
 225 100
 223 65.5 32.8 98.3
 227 66.6 33.3 99.9



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

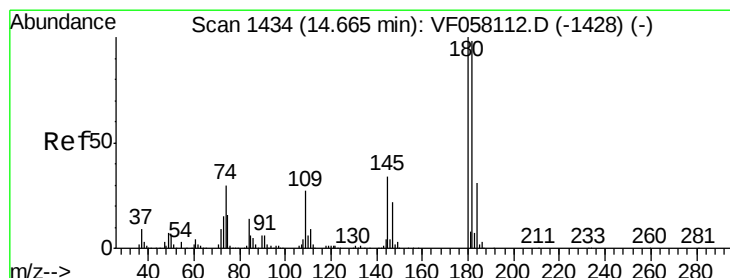
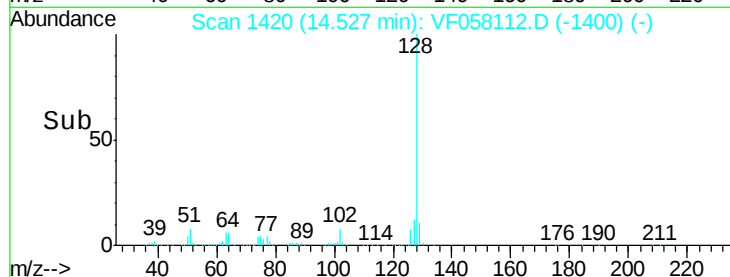
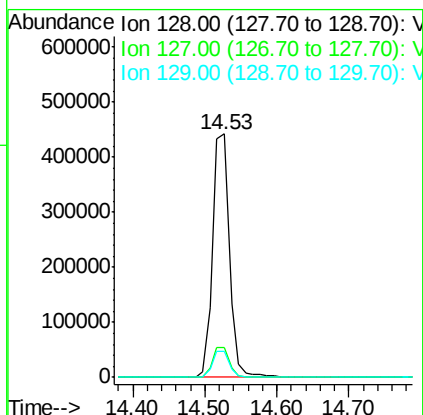
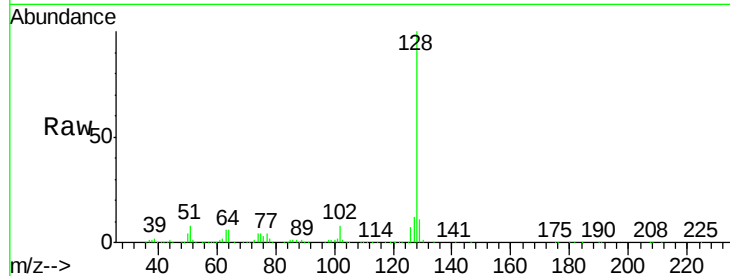




#95
Naphthalene
Concen: 49.47 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 709546
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.84 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion:180 Resp: 321827
Ion Ratio Lower Upper
180 100
182 97.7 48.9 146.6
145 34.5 17.3 51.7

