

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059512.D
 Acq On : 17 Jul 2018 17:34
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 18 01:43:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	274671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	397936	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	385748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	224711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	88981	21.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.92%		
35) Dibromofluoromethane	4.31	113	68869	19.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	39.86%		
50) Toluene-d8	7.72	98	178905	20.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	41.86%		
62) 4-Bromofluorobenzene	11.52	95	96384	21.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	42.44%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	69844	22.341	ug/l	92
3) Chloromethane	1.09	50	34247	19.433	ug/l #	84
4) Vinyl Chloride	1.15	62	37138	20.232	ug/l	98
5) Bromomethane	1.34	94	27670	21.642	ug/l	96
6) Chloroethane	1.43	64	20155	20.984	ug/l	91
7) Trichlorofluoromethane	1.51	101	95751	22.726	ug/l	96
8) Diethyl Ether	1.71	74	20054	23.757	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.91	101	37404	18.689	ug/l	92
10) Methyl Iodide	1.97	142	68414	20.281	ug/l	95
11) Tert butyl alcohol	2.69	59	19028	98.955	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	41754	21.600	ug/l	97
13) Acrolein	2.09	56	11500	107.047	ug/l #	81
14) Allyl chloride	2.19	41	51024	20.126	ug/l	98
15) Acrylonitrile	3.09	53	37233	104.926	ug/l	99
16) Acetone	2.34	43	69274	98.373	ug/l	95
17) Carbon Disulfide	1.88	76	114564	21.834	ug/l	97
18) Methyl Acetate	2.54	43	46953	32.475	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	129028	20.408	ug/l	100
20) Methylene Chloride	2.32	84	47148	18.701	ug/l #	78
21) trans-1,2-Dichloroethene	2.42	96	39427	22.390	ug/l	97
22) Diisopropyl ether	2.93	45	149771	20.607	ug/l	96
23) Vinyl Acetate	3.34	43	444208	105.175	ug/l	100
24) 1,1-Dichloroethane	3.01	63	90296	21.885	ug/l	98
25) 2-Butanone	4.54	43	99190	96.904	ug/l	96
26) 2,2-Dichloropropane	3.78	77	58249	21.036	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	44282	18.397	ug/l	92
28) Bromochloromethane	3.90	49	39196	20.487	ug/l	93
29) Tetrahydrofuran	4.27	42	46398	105.526	ug/l	96
30) Chloroform	4.04	83	135090	21.800	ug/l	97
31) Cyclohexane	3.87	56	51048	21.906	ug/l #	91
32) 1,1,1-Trichloroethane	4.28	97	89817	20.894	ug/l	98
36) 1,1-Dichloropropene	4.47	75	87044	21.479	ug/l	98
37) Ethyl Acetate	4.31	43	51874	20.913	ug/l #	75
38) Carbon Tetrachloride	4.18	117	98166	20.891	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.63	83	68703	22.512	ug/l	94
40) Benzene	4.82	78	166875	21.193	ug/l	100
41) Methacrylonitrile	4.93	41	22325	18.670	ug/l #	87
42) 1,2-Dichloroethane	5.13	62	109559	21.735	ug/l	98
43) Isopropyl Acetate	7.13	43	58075	19.551	ug/l	98
44) Trichloroethene	5.68	130	62231	21.923	ug/l	93
45) 1,2-Dichloropropane	6.42	63	47776	21.394	ug/l	99
46) Dibromomethane	6.26	93	40202	20.152	ug/l	96
47) Bromodichloromethane	6.56	83	106744	20.940	ug/l	96
48) Methyl methacrylate	6.89	41	37835	17.675	ug/l	94
49) 1,4-Dioxane	6.88	88	4362	450.501	ug/l	86
51) 4-Methyl-2-Pentanone	8.42	43	210460	100.997	ug/l	99
52) Toluene	7.79	92	120626	21.303	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	98819	21.933	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	98454	21.062	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	47006	20.843	ug/l	95
56) Ethyl methacrylate	8.78	69	54665	19.246	ug/l	98
57) 1,3-Dichloropropane	9.01	76	81761	21.309	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	25184	106.181	ug/l	100
59) 2-Hexanone	9.64	43	156585	95.775	ug/l	98
60) Dibromochloromethane	8.87	129	76408	20.876	ug/l	99
61) 1,2-Dibromoethane	9.15	107	56999	20.883	ug/l	98
64) Tetrachloroethene	8.31	164	64868	21.329	ug/l	97
65) Chlorobenzene	9.96	112	157303	21.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	70729	21.532	ug/l	88
67) Ethyl Benzene	10.05	91	289452	22.360	ug/l	96
68) m/p-Xylenes	10.28	106	203920	43.980	ug/l	97
69) o-Xylene	10.84	106	106850	22.175	ug/l	97
70) Styrene	10.92	104	157141	20.613	ug/l	96
71) Bromoform	10.90	173	45980	19.199	ug/l	90
73) Isopropylbenzene	11.24	105	315177	21.987	ug/l	100
74) N-amyl acetate	11.48	43	93690	18.417	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	61014	19.410	ug/l	88
76) 1,2,3-Trichloropropane	11.89	75	53886	20.791	ug/l	92
77) Bromobenzene	11.61	156	87218	21.592	ug/l	96
78) n-propylbenzene	11.69	91	360454	21.719	ug/l	98
79) 2-Chlorotoluene	11.82	91	220298	21.963	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	267567	21.710	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.97	75	32564	26.500	ug/l	85
82) 4-Chlorotoluene	12.00	91	249090	21.433	ug/l	94
83) tert-Butylbenzene	12.23	119	250315	21.698	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	267640	21.738	ug/l	96
85) sec-Butylbenzene	12.39	105	306884	21.062	ug/l	97
86) p-Isopropyltoluene	12.54	119	286199	22.206	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	145882	21.092	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	143120	21.385	ug/l	96
89) n-Butylbenzene	12.93	91	260418	22.007	ug/l	96
90) Hexachloroethane	13.01	117	63322	21.822	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	142593	22.115	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15095	21.628	ug/l	91

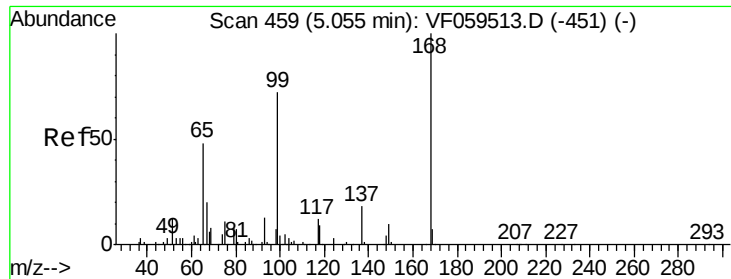
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	85270	21.148	ug/l	96
94) Hexachlorobutadiene	14.27	225	38887	21.792	ug/l	97
95) Naphthalene	14.53	128	162605	18.952	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	70626	20.081	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

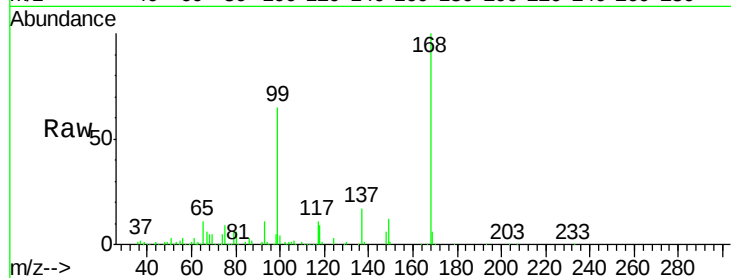
VSTDIC020

Tot Ion:168 Resp: 274671

Ion Ratio Lower Upper

168 100

99 64.5 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

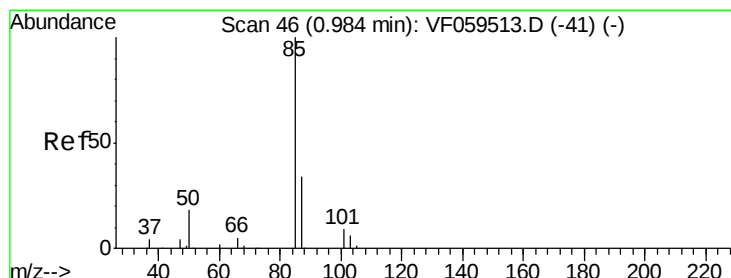
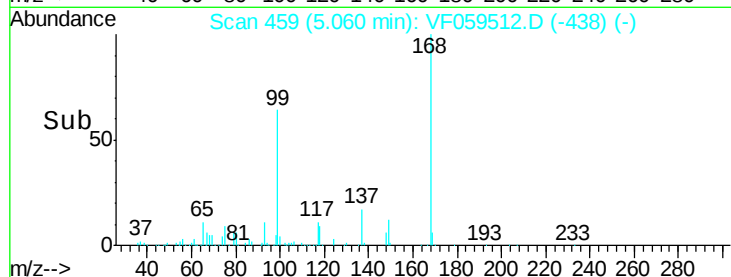
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.341 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059512.D

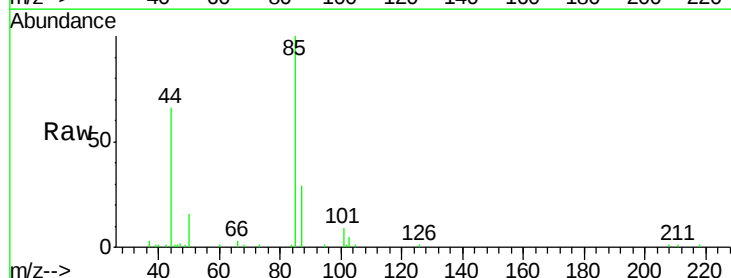
Acq: 17 Jul 2018 17:34

Tgt Ion: 85 Resp: 69844

Ion Ratio Lower Upper

85 100

87 29.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

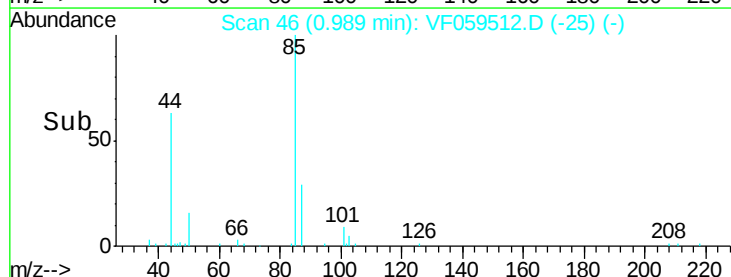
15000

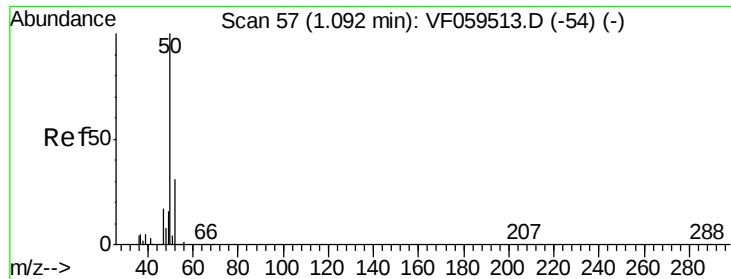
10000

5000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.433 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

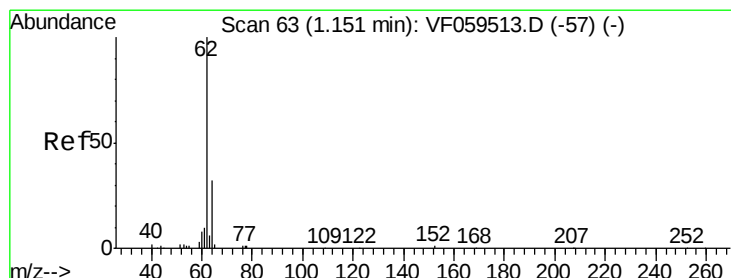
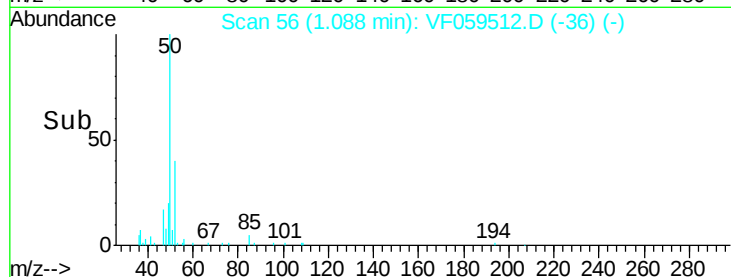
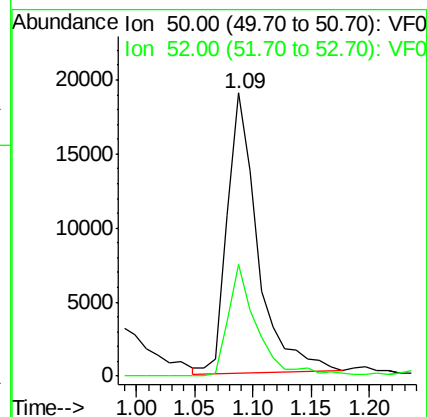
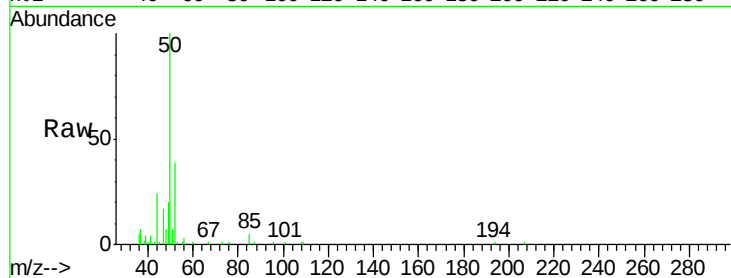
VSTDIC020

Tot Ion: 50 Resp: 34247

Ion Ratio Lower Upper

50 100

52 39.4 24.6 37.0#



#4

Vinyl Chloride

Concen: 20.232 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059512.D

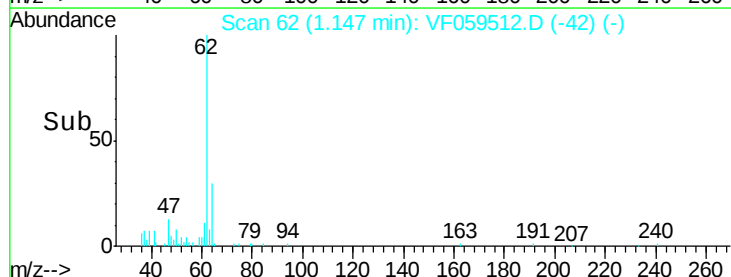
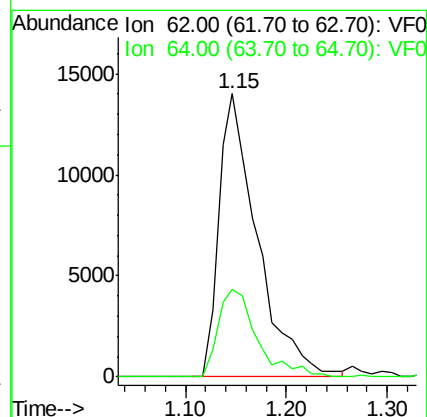
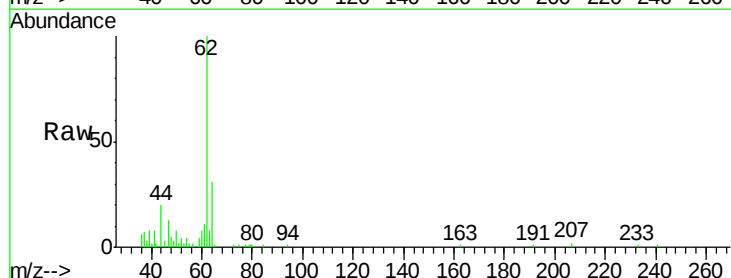
Acq: 17 Jul 2018 17:34

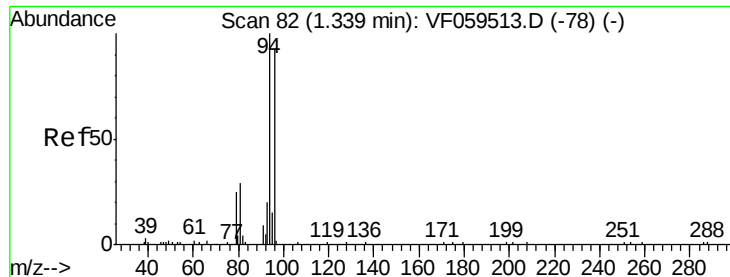
Tgt Ion: 62 Resp: 37138

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5





#5

Bromomethane

Concen: 21.642 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

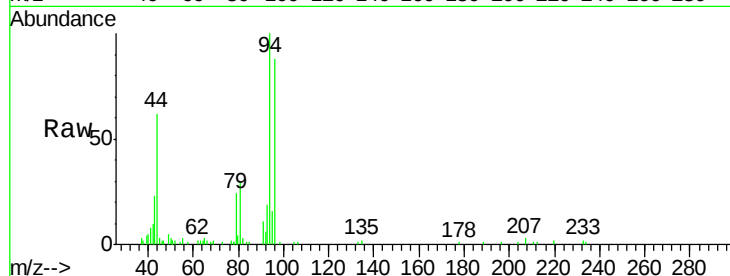
VSTDIC020

Tot Ion: 94 Resp: 27670

Ion Ratio Lower Upper

94 100

96 88.4 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

12000

10000

8000

6000

4000

2000

0

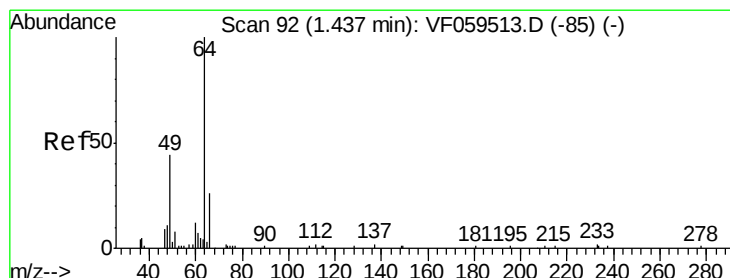
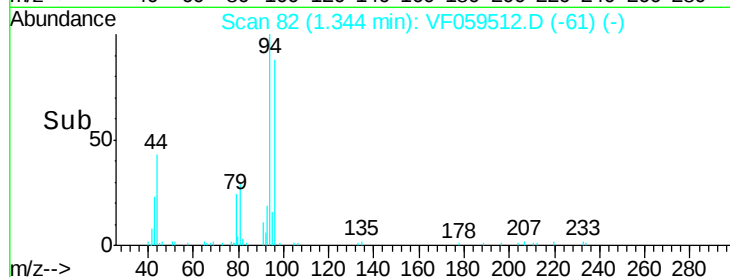
1.20

1.30

1.40

1.50

Time-->



#6

Chloroethane

Concen: 20.984 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059512.D

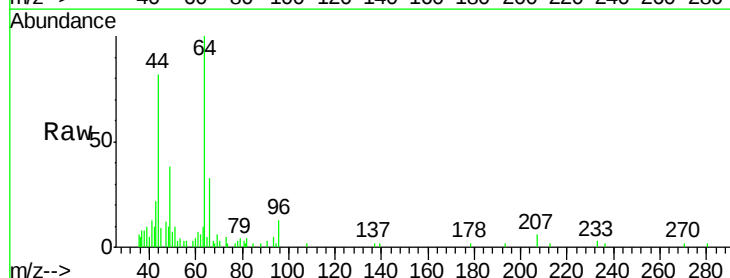
Acq: 17 Jul 2018 17:34

Tgt Ion: 64 Resp: 20155

Ion Ratio Lower Upper

64 100

66 33.4 22.9 34.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

6000

4000

2000

0

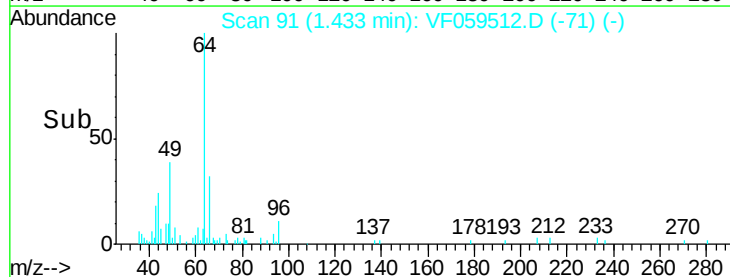
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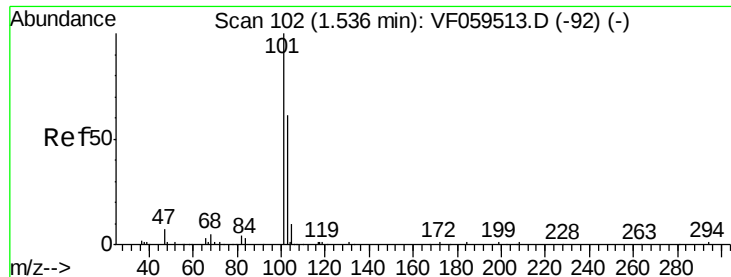
1.40

1.50

1.60

Time-->





#7

Trichlorofluoromethane

Concen: 22.726 ug/l

RT: 1.51 min Scan# 99

Delta R.T. -0.02 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

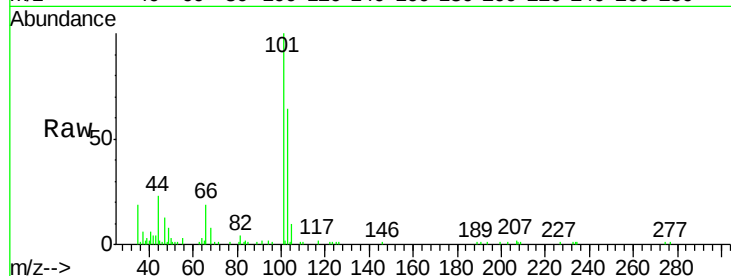
VSTDIC020

Tot Ion:101 Resp: 95751

Ion Ratio Lower Upper

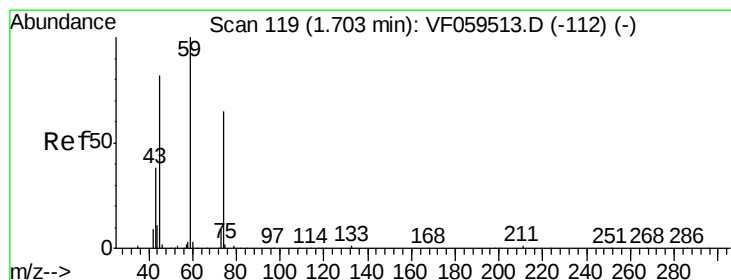
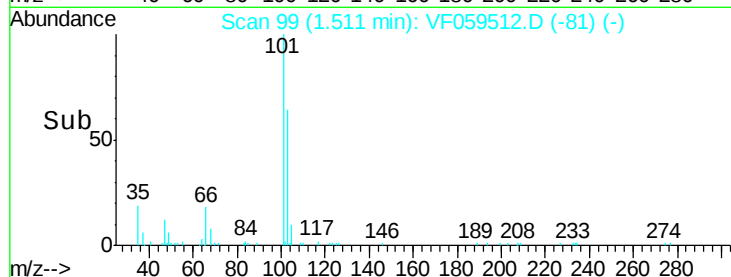
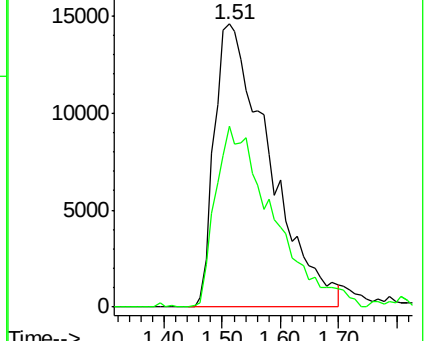
101 100

103 64.0 48.6 72.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 23.757 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF059512.D

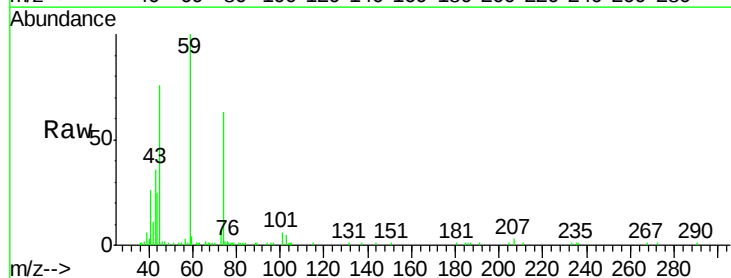
Acq: 17 Jul 2018 17:34

Tgt Ion: 74 Resp: 20054

Ion Ratio Lower Upper

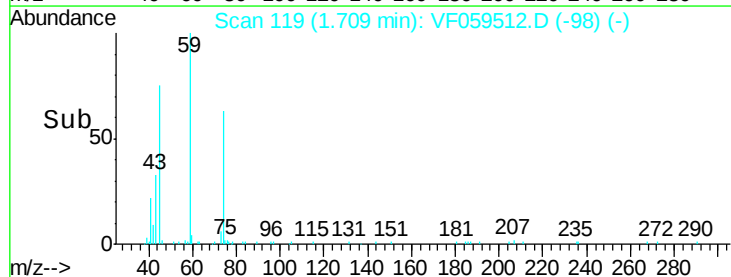
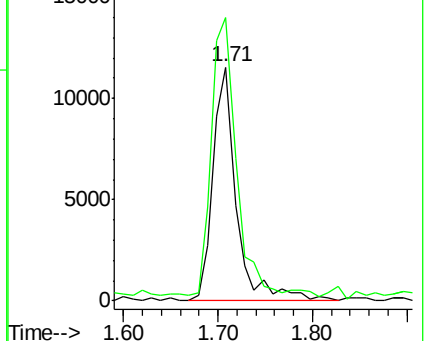
74 100

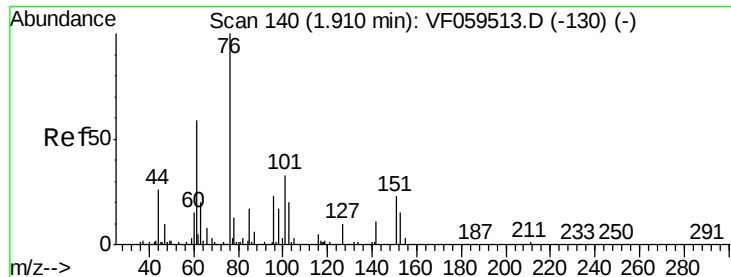
45 121.1 63.6 190.9



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: 18.689 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

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VSTDIC020

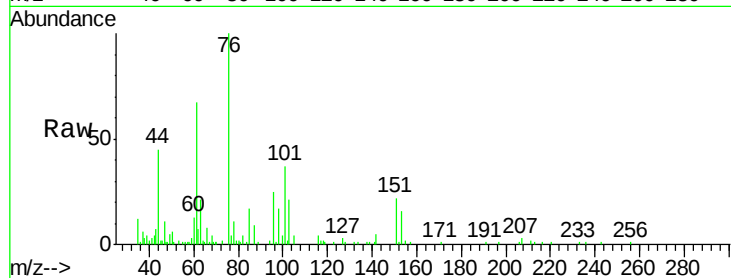
Tot Ion:101 Resp: 37404

Ion Ratio Lower Upper

101 100

85 44.9 39.8 59.6

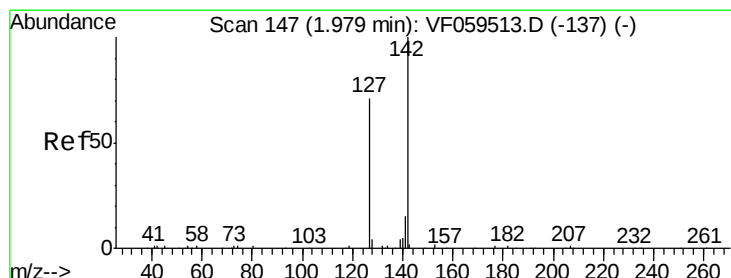
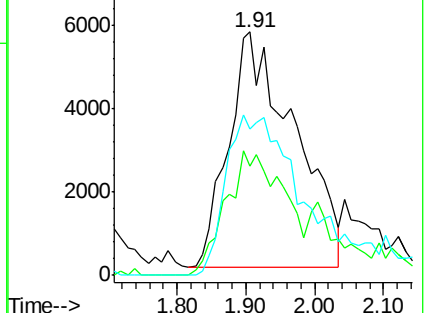
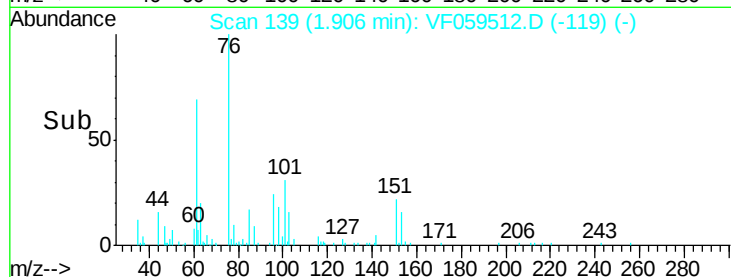
151 60.2 54.2 81.2



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: 20.281 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

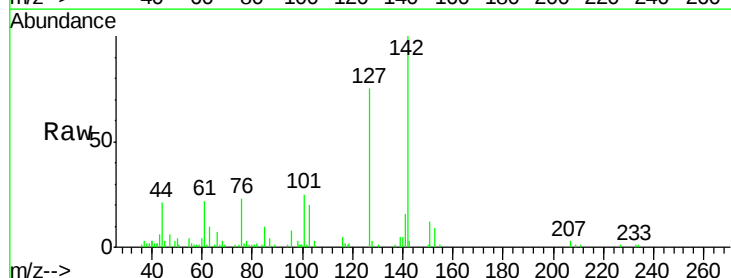
Tgt Ion:142 Resp: 68414

Ion Ratio Lower Upper

142 100

127 74.8 56.4 84.6

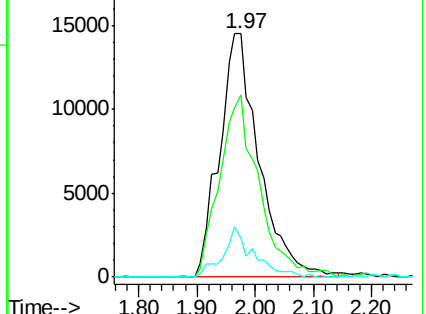
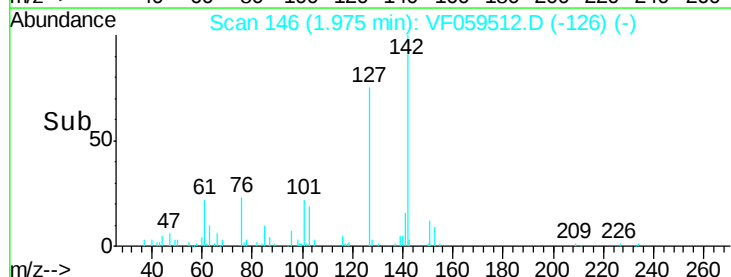
141 15.8 12.0 18.0

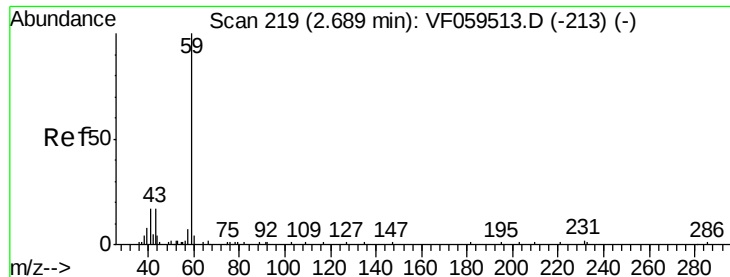


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



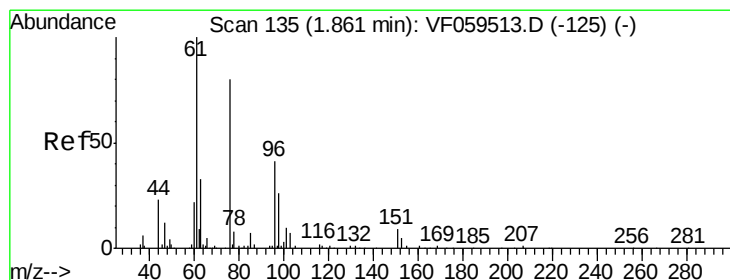
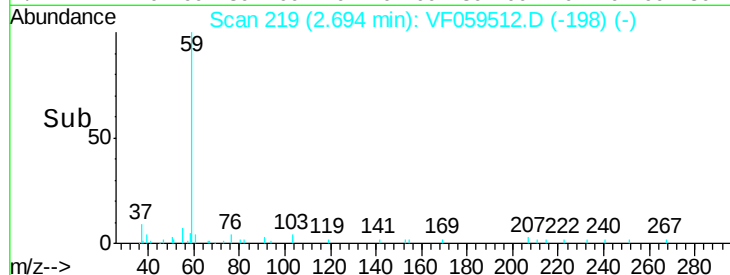
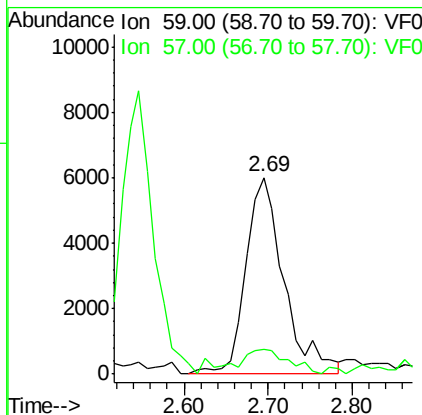
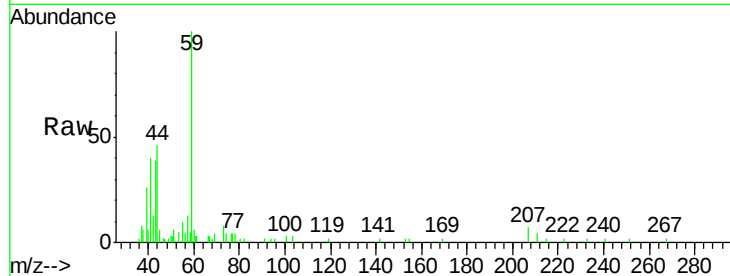


#11

Tert butyl alcohol
 Concen: 98.955 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

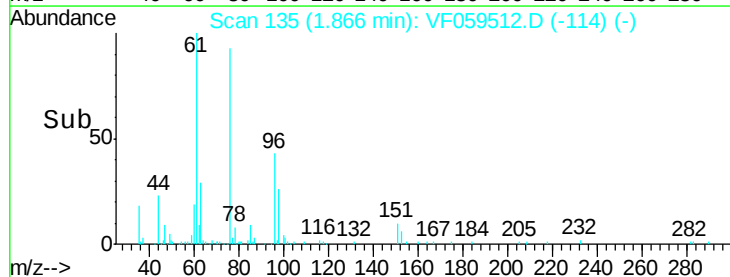
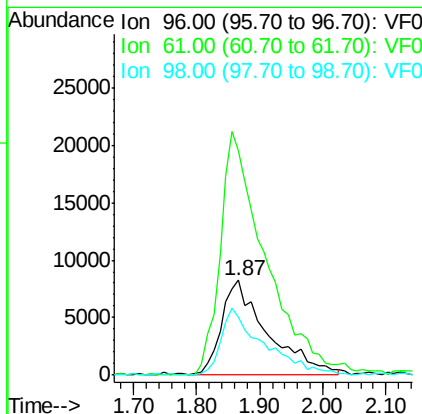
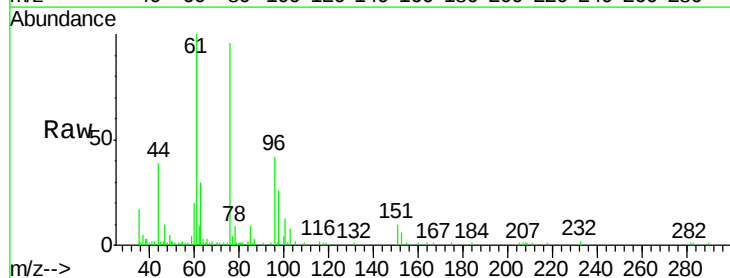
Tot Ion: 59 Resp: 19028
 Ion Ratio Lower Upper
 59 100
 57 12.8 7.7 11.5#

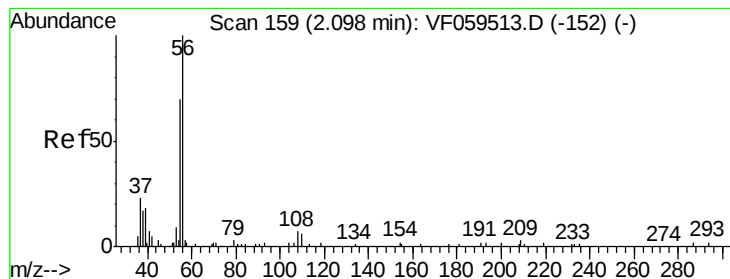


#12

1,1-Dichloroethene
 Concen: 21.600 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion: 96 Resp: 41754
 Ion Ratio Lower Upper
 96 100
 61 236.9 194.3 291.5
 98 60.5 50.3 75.5





#13

Acrolein

Concen: 107.047 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

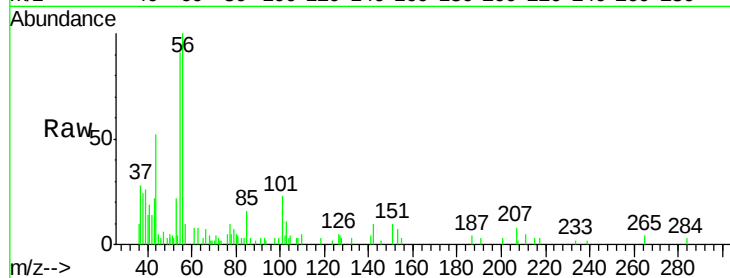
VSTDIC020

Tot Ion: 56 Resp: 11500

Ion Ratio Lower Upper

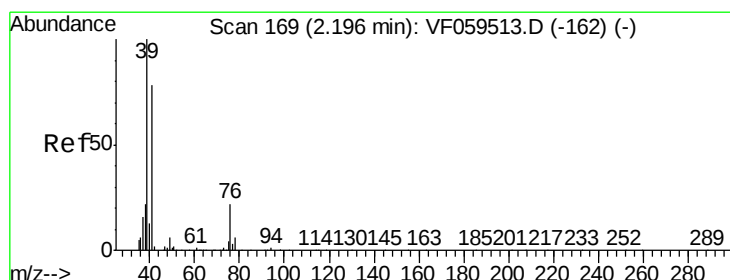
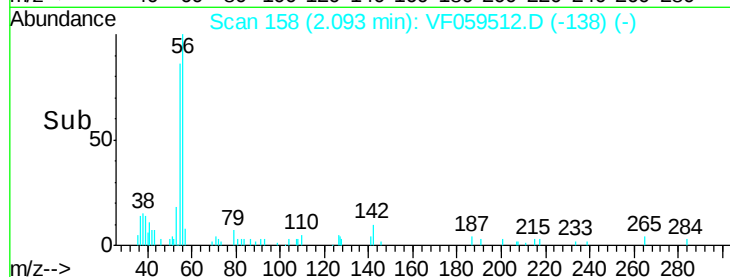
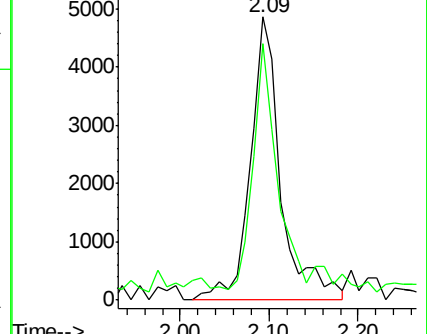
56 100

55 90.7 59.4 89.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.126 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

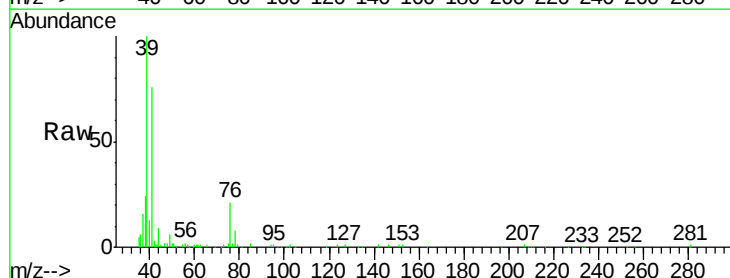
Tgt Ion: 41 Resp: 51024

Ion Ratio Lower Upper

41 100

39 131.7 103.0 154.4

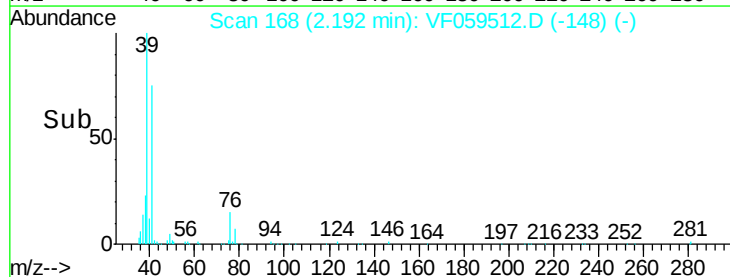
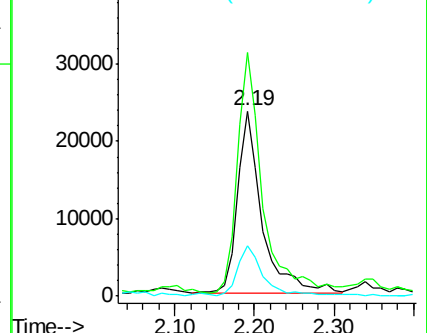
76 27.3 22.6 34.0

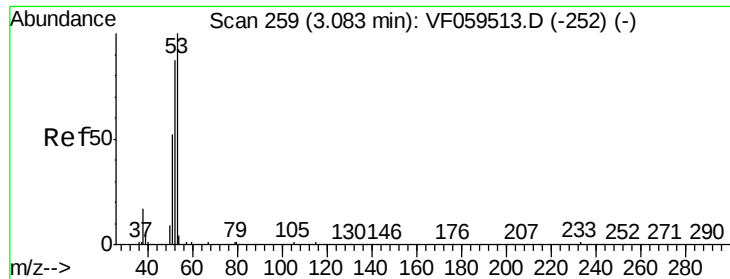


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

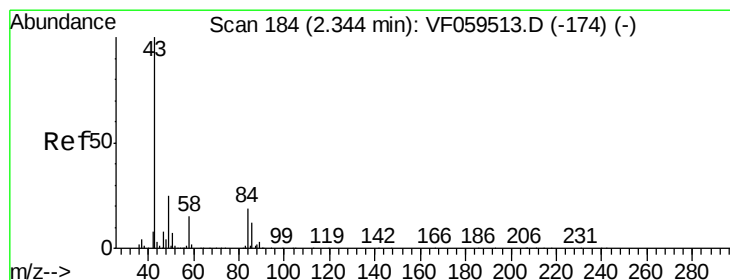
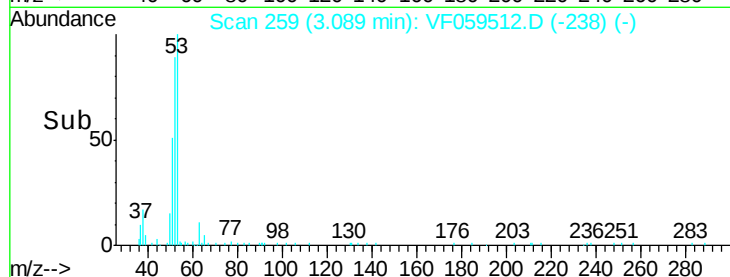
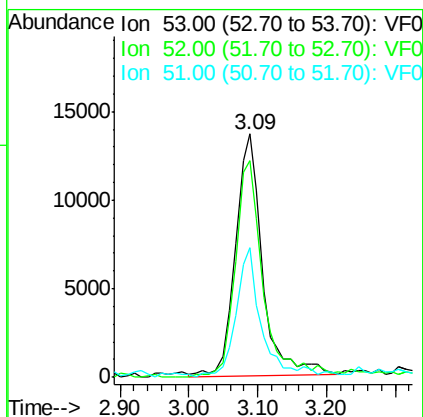
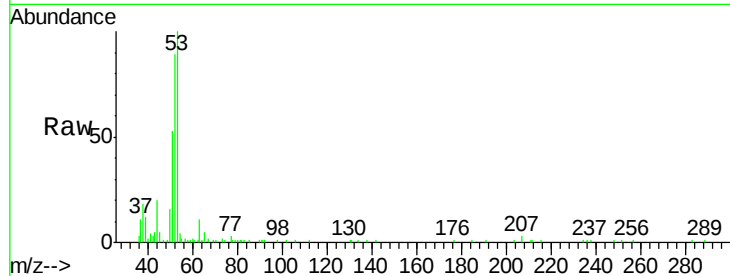




#15
 Acrylonitrile
 Concen: 104.926 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

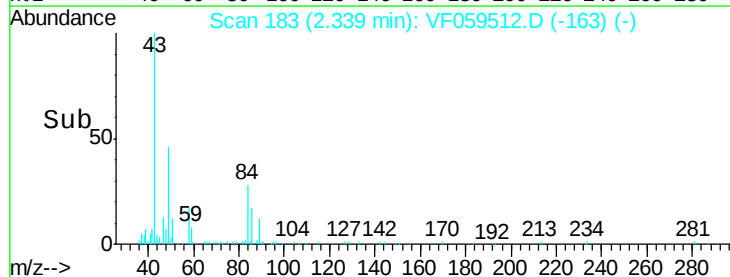
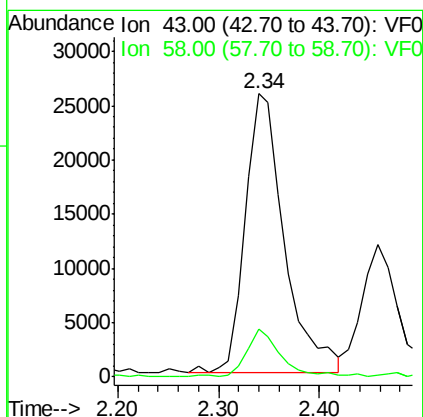
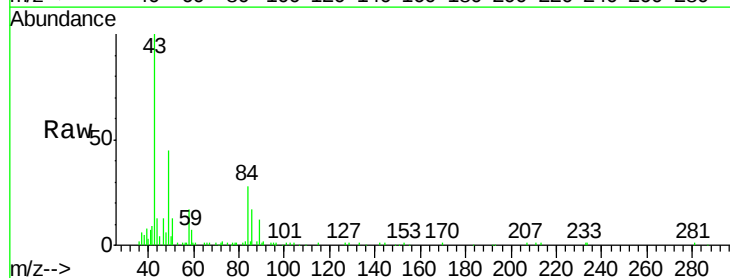
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

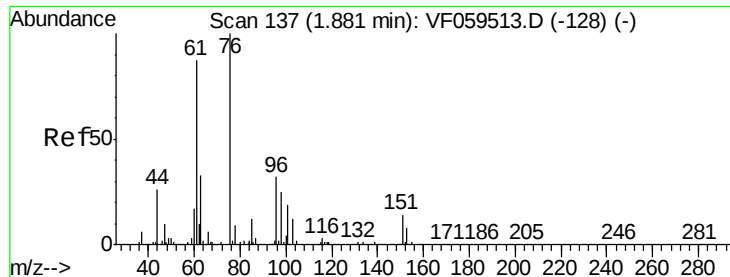
Tot Ion: 53 Resp: 37233
 Ion Ratio Lower Upper
 53 100
 52 88.9 70.1 105.1
 51 53.2 42.5 63.7



#16
 Acetone
 Concen: 98.373 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion: 43 Resp: 69274
 Ion Ratio Lower Upper
 43 100
 58 16.7 11.8 17.6





#17

Carbon Disulfide

Concen: 21.834 ug/l

RT: 1.88 min Scan# 136

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

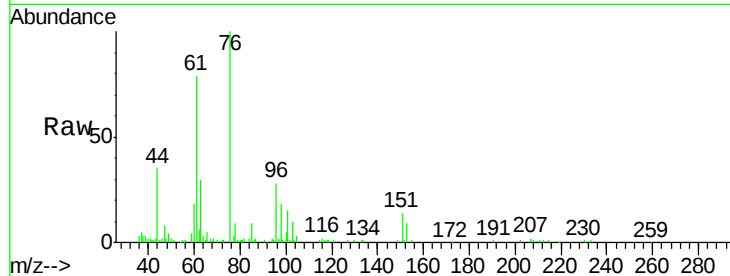
VSTDIC020

Tot Ion: 76 Resp: 114564

Ion Ratio Lower Upper

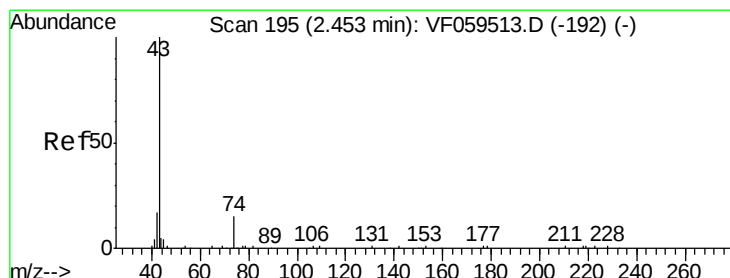
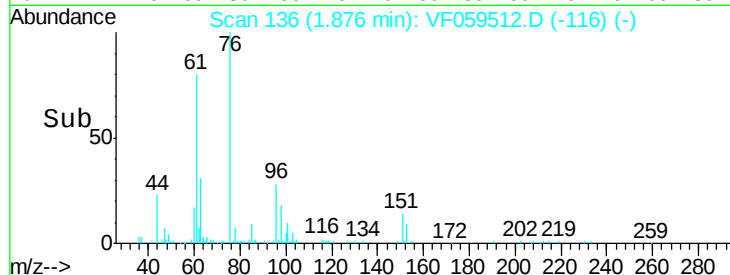
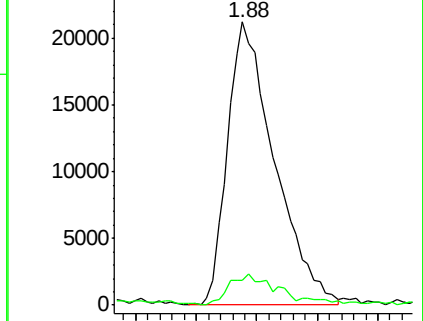
76 100

78 8.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 32.475 ug/l

RT: 2.54 min Scan# 203

Delta R.T. 0.08 min

Lab File: VF059512.D

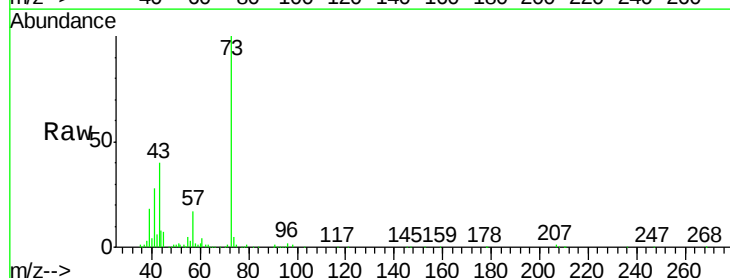
Acq: 17 Jul 2018 17:34

Tgt Ion: 43 Resp: 46953

Ion Ratio Lower Upper

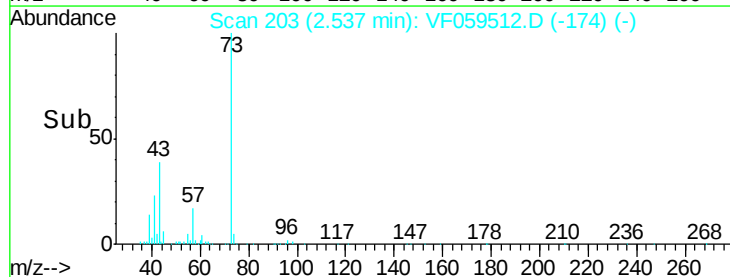
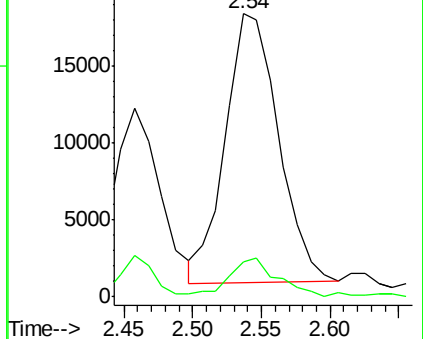
43 100

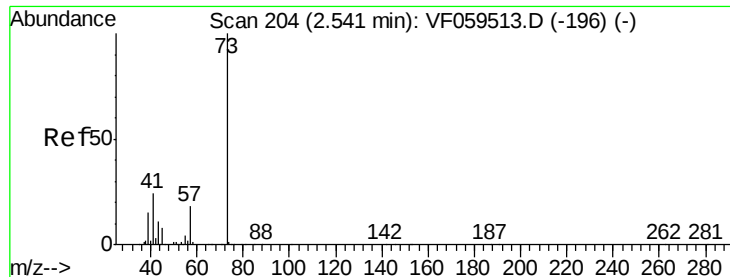
74 12.5 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



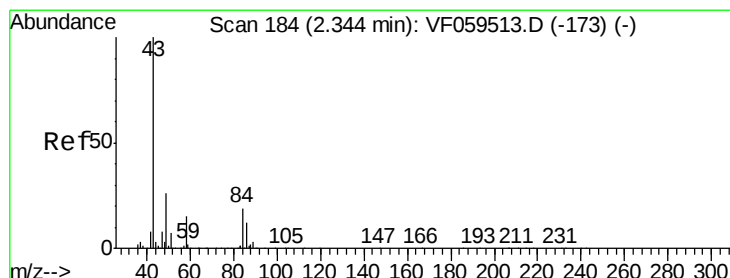
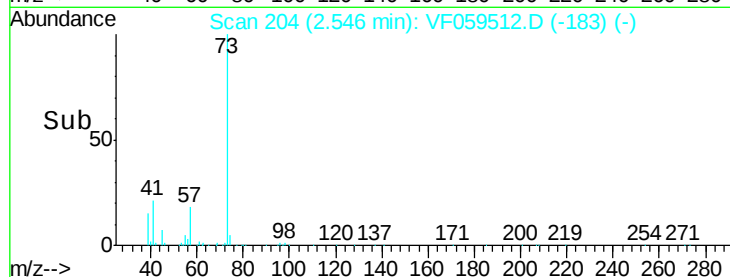
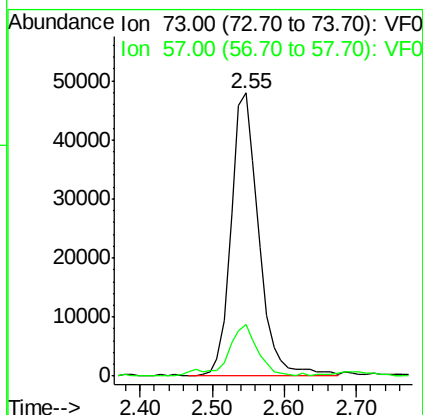
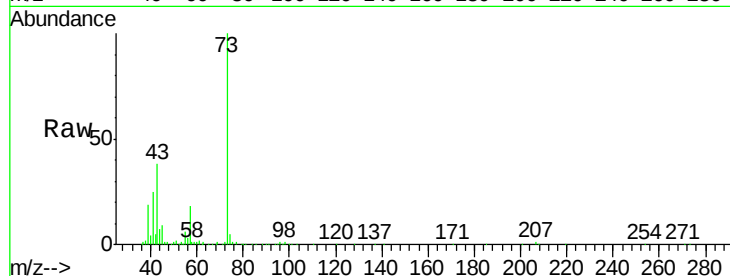


#19

Methyl tert-butyl Ether
 Concen: 20.408 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

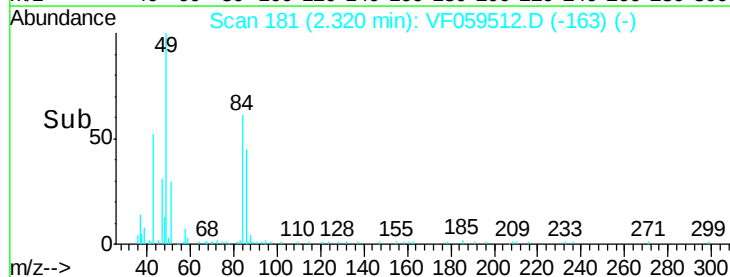
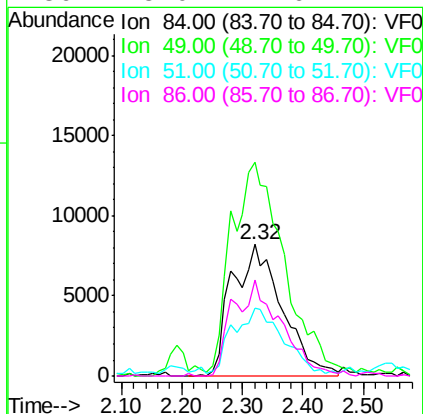
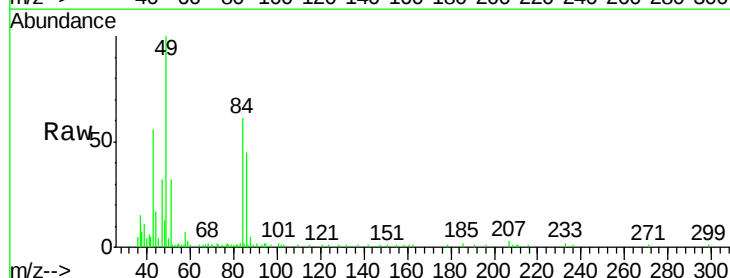
Tot Ion: 73 Resp: 129028
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.3 21.5

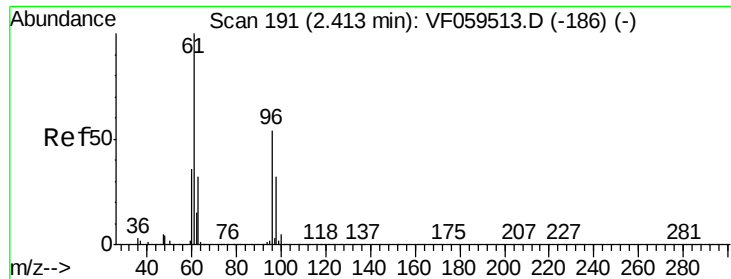


#20

Methylene Chloride
 Concen: 18.701 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion: 84 Resp: 47148
 Ion Ratio Lower Upper
 84 100
 49 162.7 109.4 164.2
 51 52.2 30.5 45.7#
 86 75.0 47.6 71.4#





#21

trans-1,2-Dichloroethene

Concen: 22.390 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

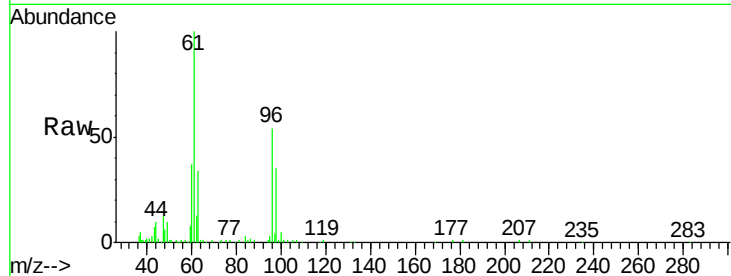
Tot Ion: 96 Resp: 39427

Ion Ratio Lower Upper

96 100

61 183.6 149.8 224.8

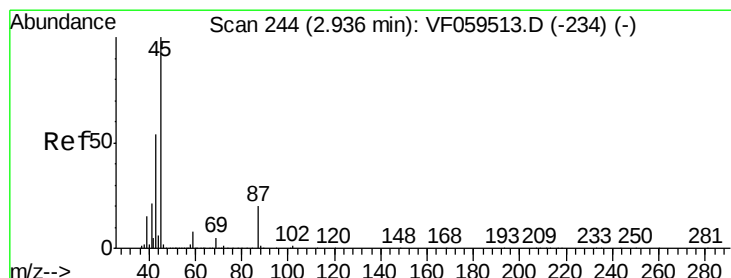
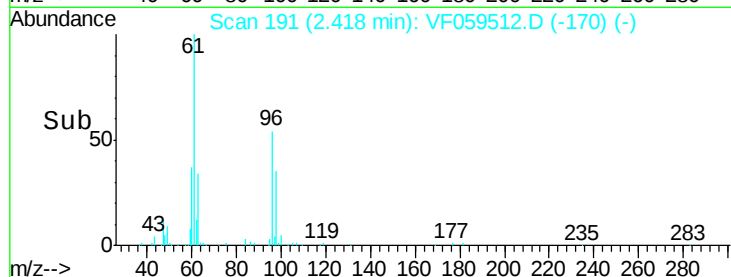
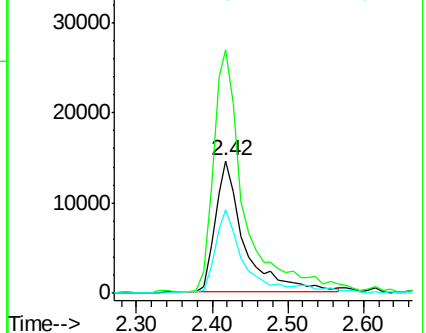
98 63.5 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.607 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Tgt Ion: 45 Resp: 149771

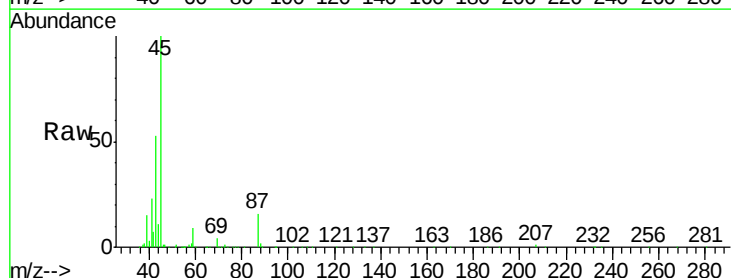
Ion Ratio Lower Upper

45 100

43 52.6 43.6 65.4

87 16.0 15.6 23.4

59 8.8 6.4 9.6

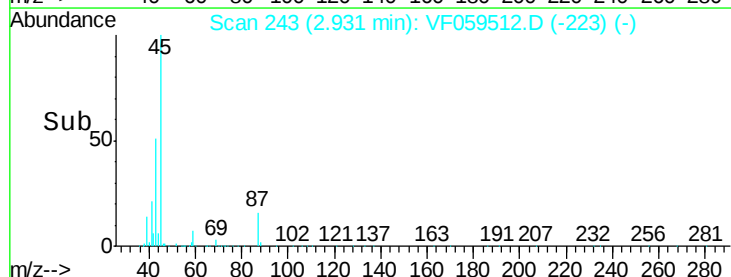
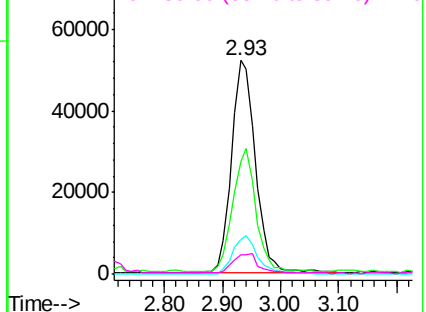


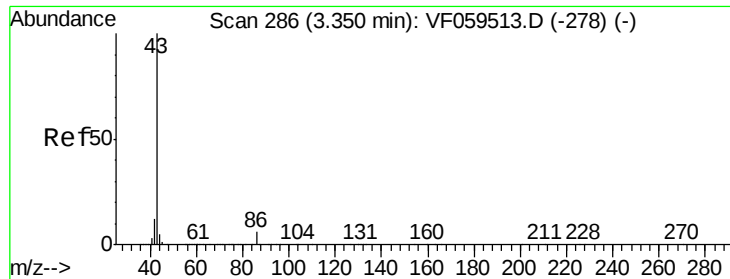
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 105.175 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

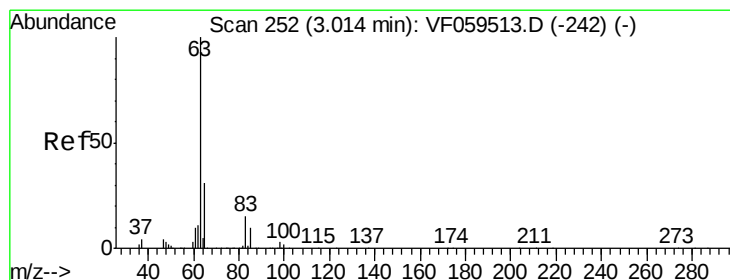
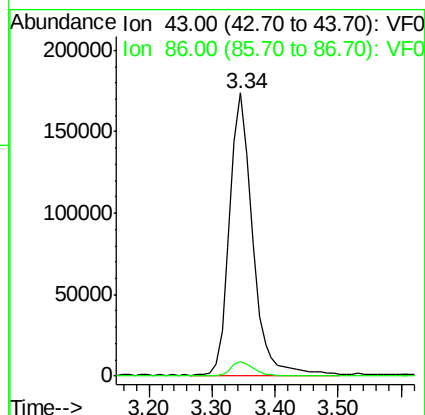
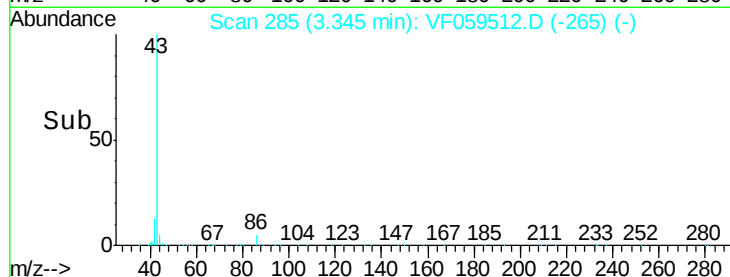
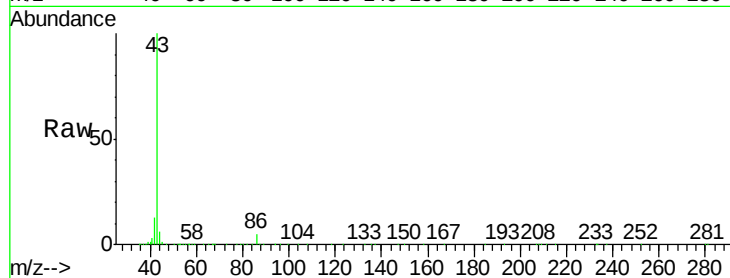
VSTDIC020

Tot Ion: 43 Resp: 444208

Ion Ratio Lower Upper

43 100

86 5.4 4.4 6.6



#24

1,1-Dichloroethane

Concen: 21.885 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

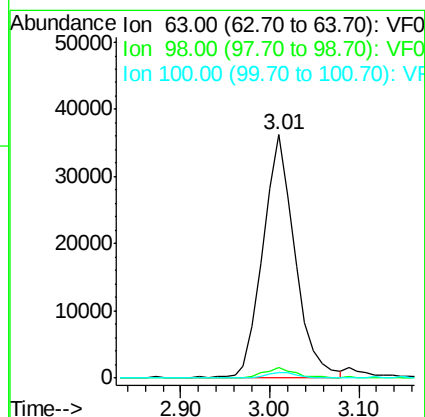
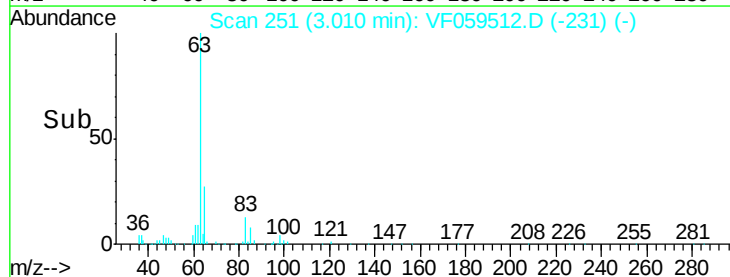
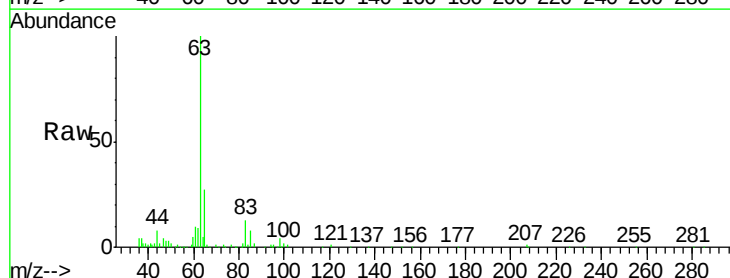
Tgt Ion: 63 Resp: 90296

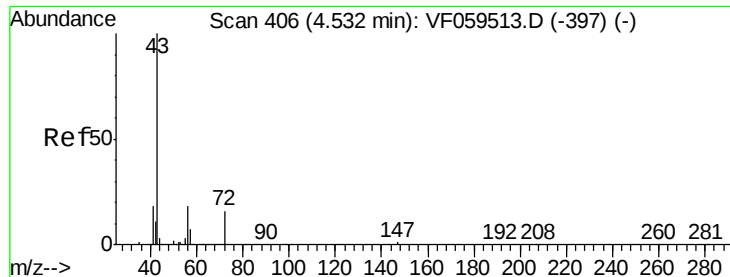
Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.4

100 2.0 1.3 3.8





#25

2-Butanone

Concen: 96.904 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

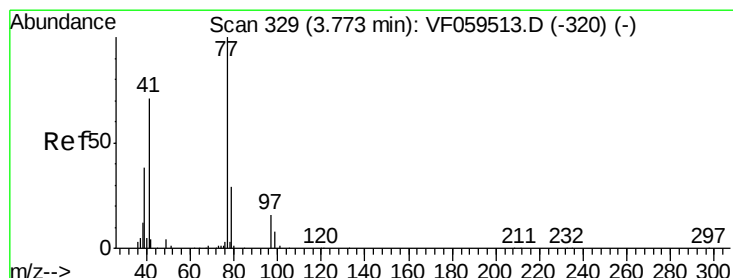
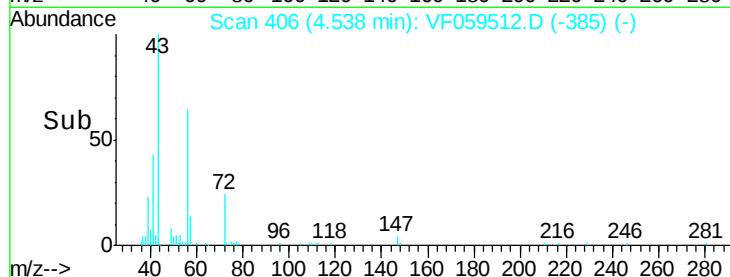
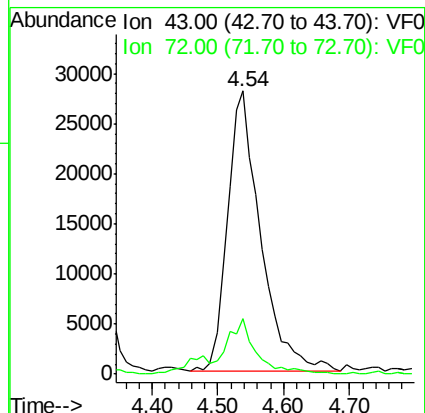
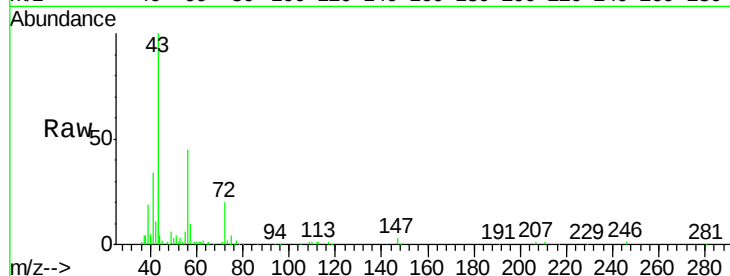
VSTDIC020

Tot Ion: 43 Resp: 99190

Ion Ratio Lower Upper

43 100

72 19.6 14.2 21.4



#26

2,2-Dichloropropane

Concen: 21.036 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059512.D

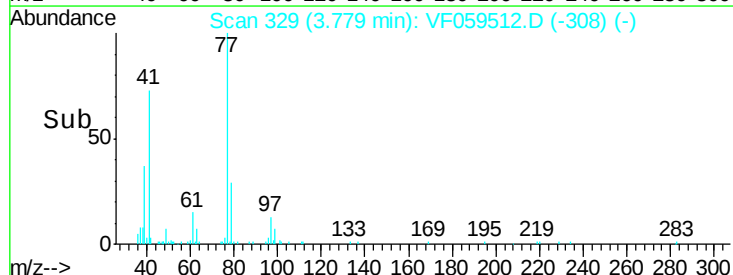
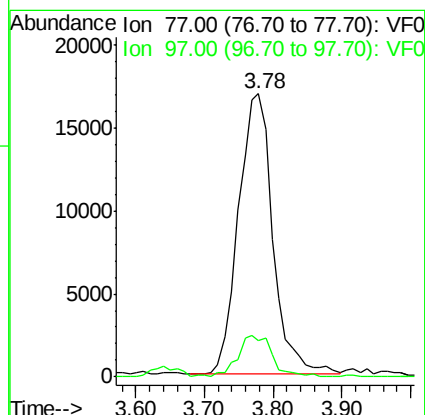
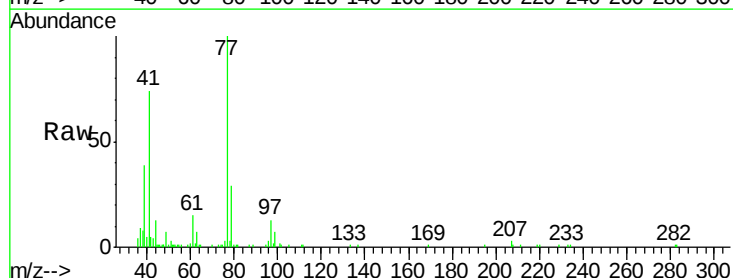
Acq: 17 Jul 2018 17:34

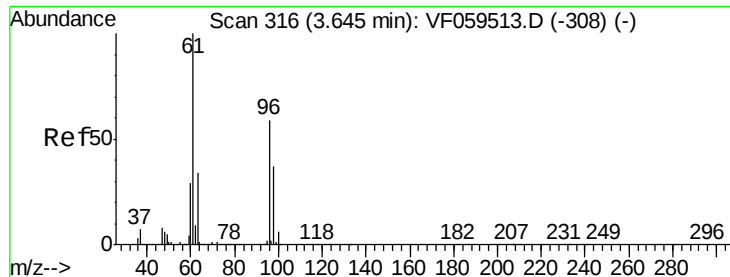
Tgt Ion: 77 Resp: 58249

Ion Ratio Lower Upper

77 100

97 13.0 8.1 24.3



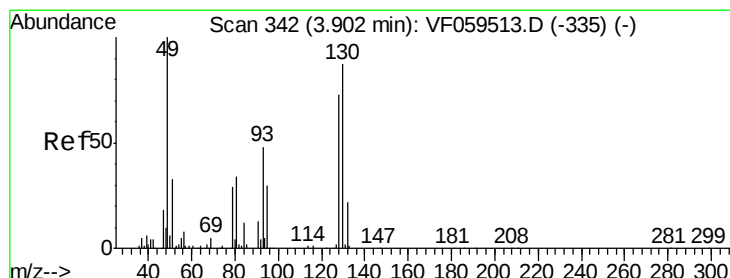
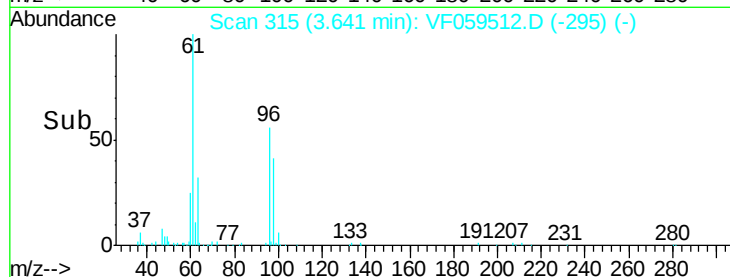
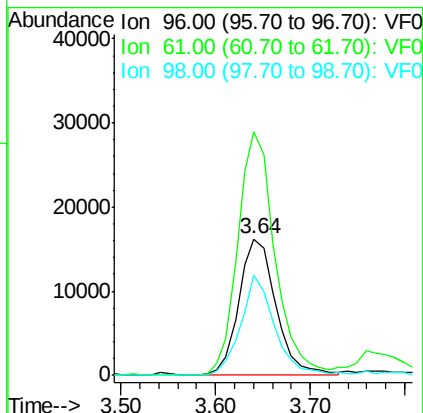
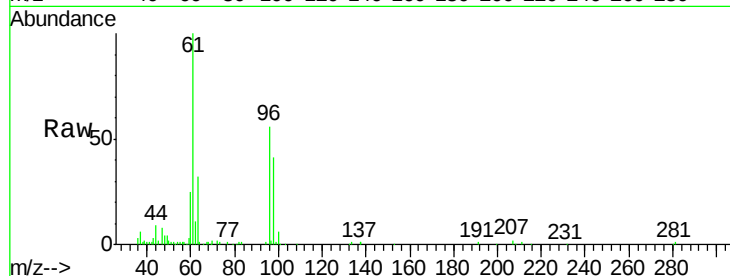


#27

cis-1,2-Dichloroethene
 Concen: 18.397 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

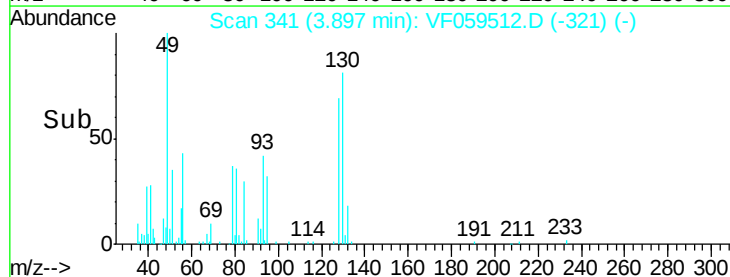
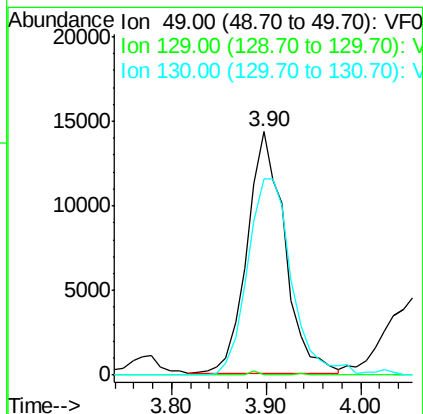
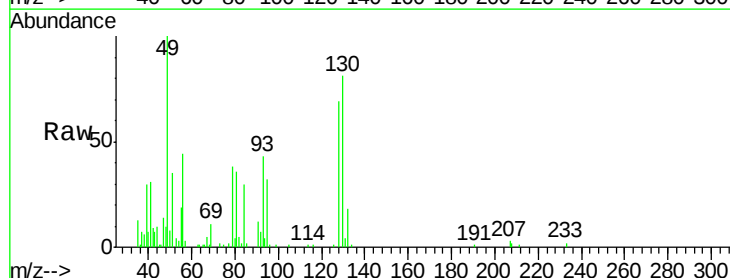
Tot Ion	Ratio	Lower	Upper
96	100		
61	178.1	0.0	339.0
98	73.0	0.0	125.4

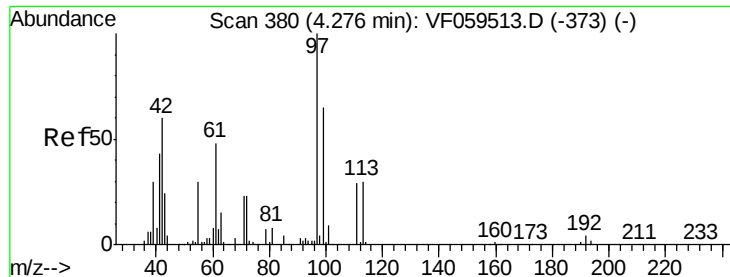


#28

Bromochloromethane
 Concen: 20.487 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	80.6	69.8	104.6

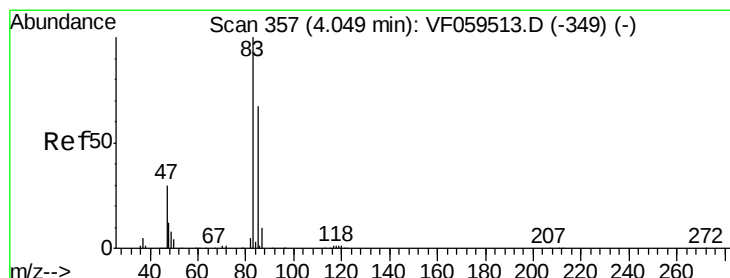
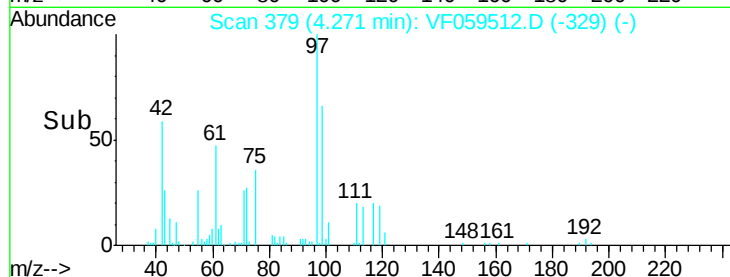
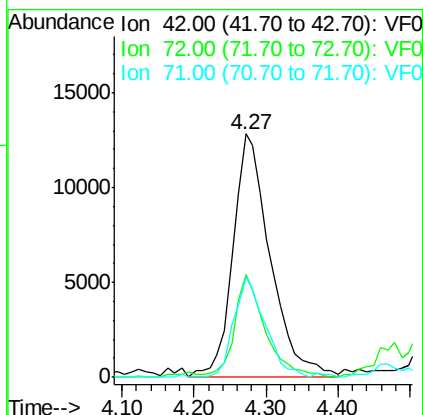
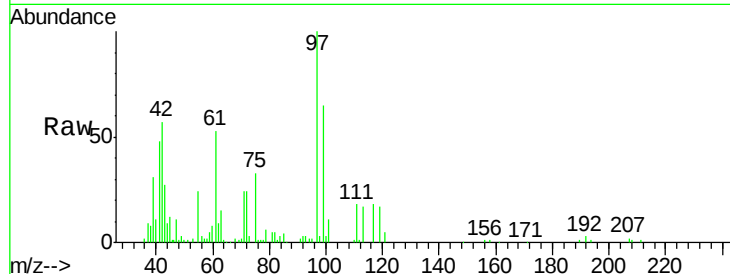




#29
Tetrahydrofuran
Concen: 105.526 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

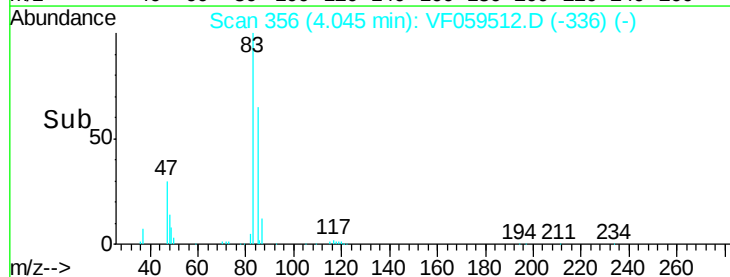
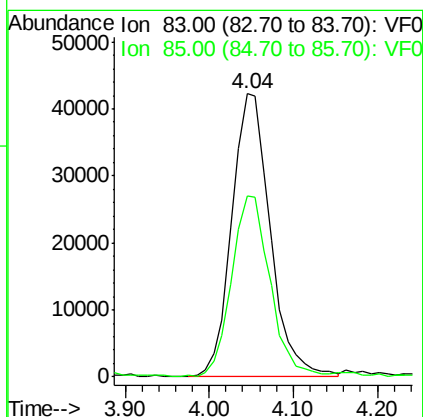
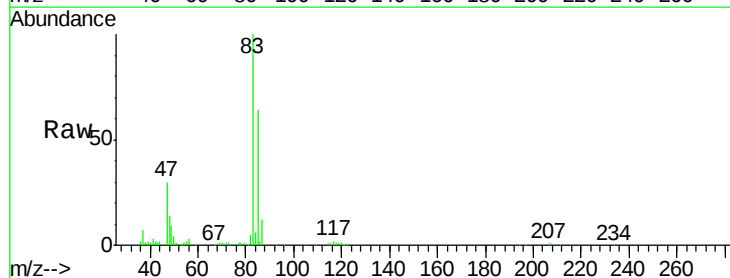
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

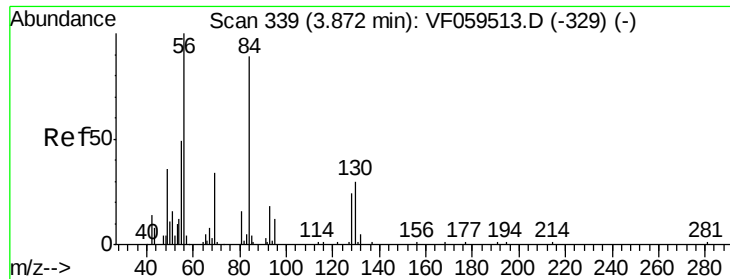
Tot Ion	42	Resp	46398
Ion Ratio	Lower	Upper	
42	100		
72	34.7	28.7	43.1
71	34.6	30.8	46.2



#30
Chloroform
Concen: 21.800 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion	83	Resp	135090
Ion Ratio	Lower	Upper	
83	100		
85	64.1	53.2	79.8

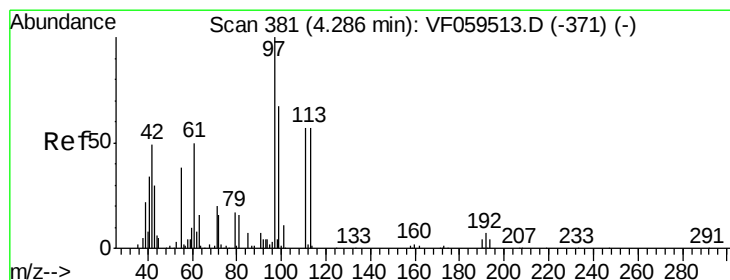
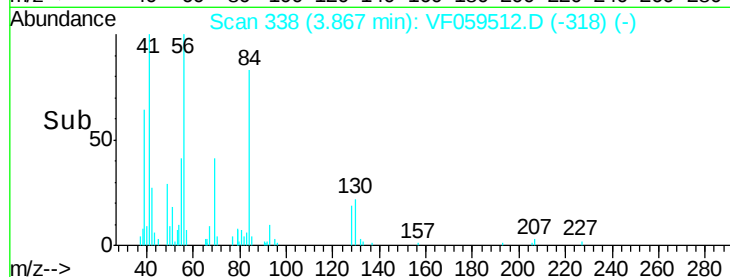
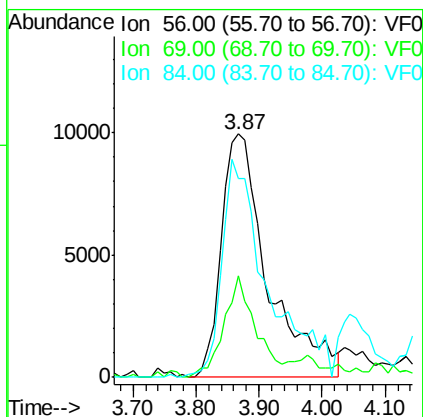
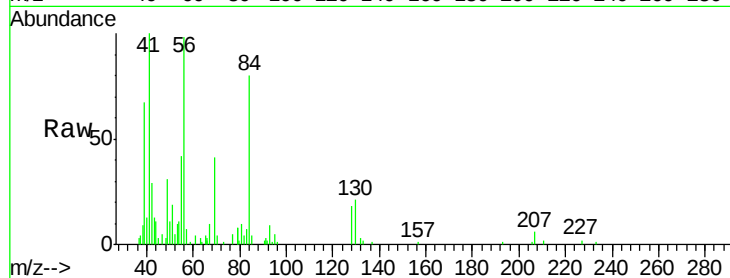




#31
Cyclohexane
Concen: 21.906 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

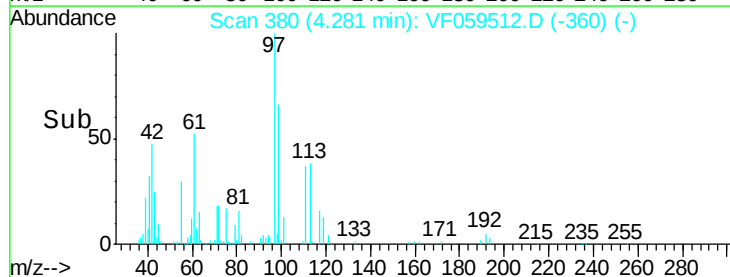
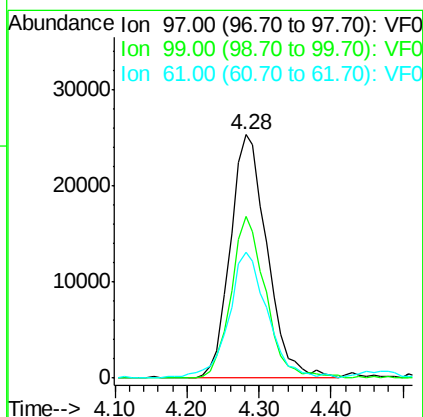
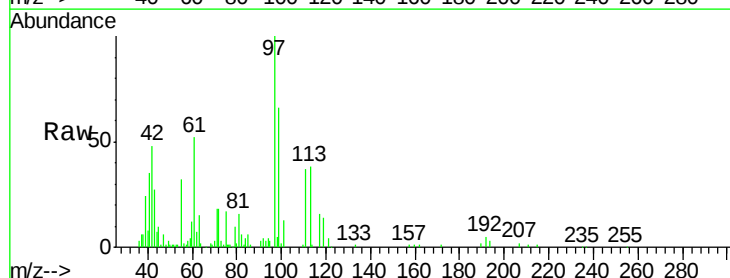
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

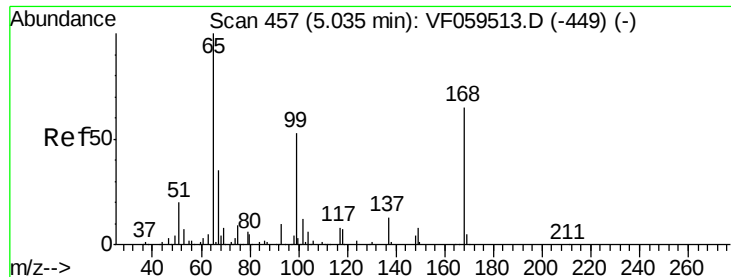
Tot Ion: 56 Resp: 51048
Ion Ratio Lower Upper
56 100
69 41.8 27.6 41.4#
84 81.8 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 20.894 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion: 97 Resp: 89817
Ion Ratio Lower Upper
97 100
99 66.4 53.5 80.3
61 51.7 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 21.462 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

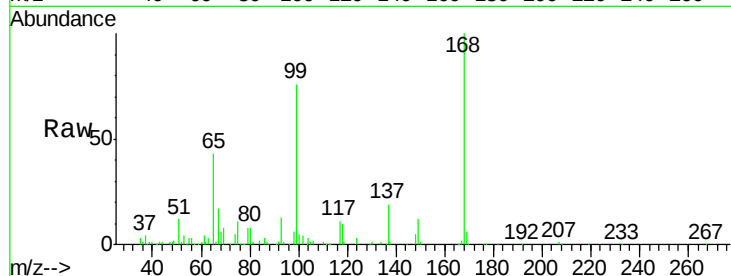
VSTDIC020

Tot Ion: 65 Resp: 88981

Ion Ratio Lower Upper

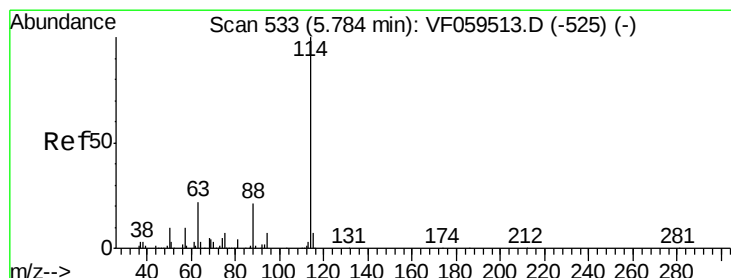
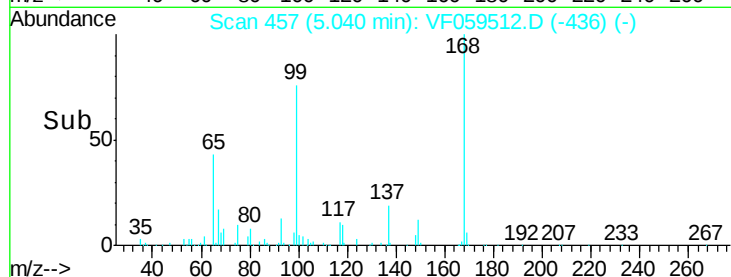
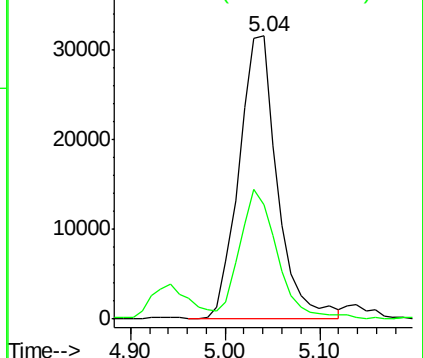
65 100

67 40.4 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

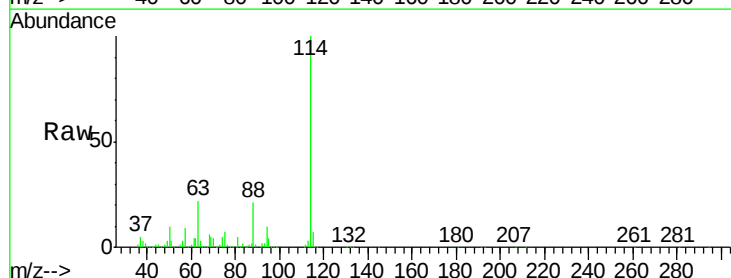
Tgt Ion: 114 Resp: 397936

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.8

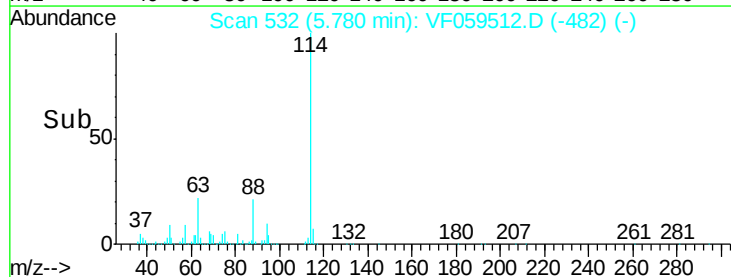
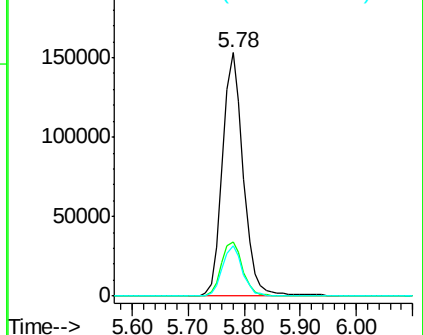
88 20.9 0.0 42.6

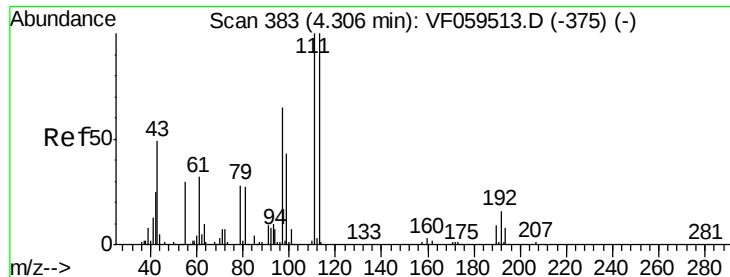


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 19.927 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

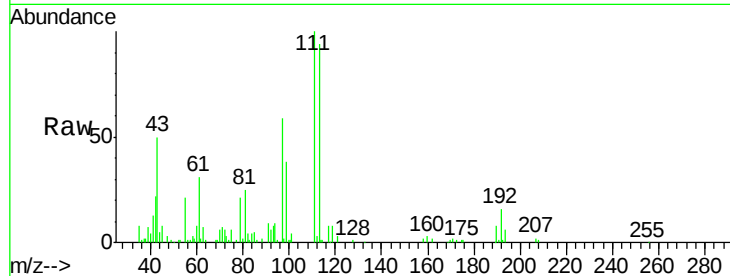
Tot Ion:113 Resp: 68869

Ion Ratio Lower Upper

113 100

111 106.3 80.3 120.5

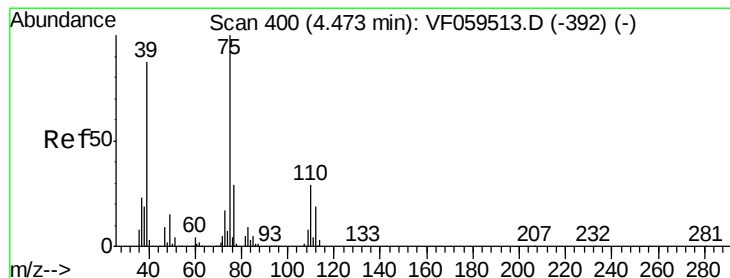
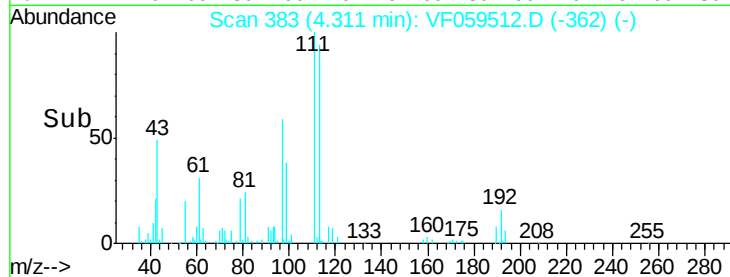
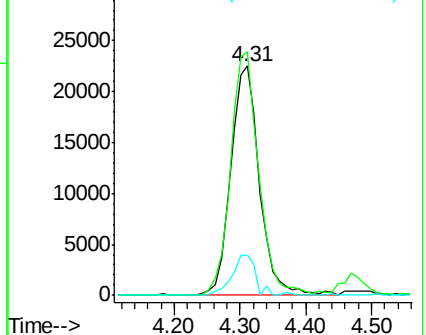
192 17.3 13.1 19.7



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: 21.479 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

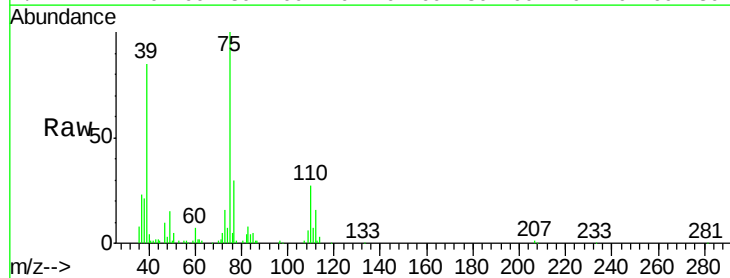
Tgt Ion: 75 Resp: 87044

Ion Ratio Lower Upper

75 100

110 27.3 14.6 43.8

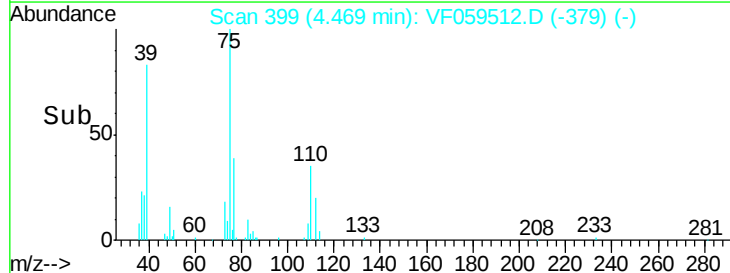
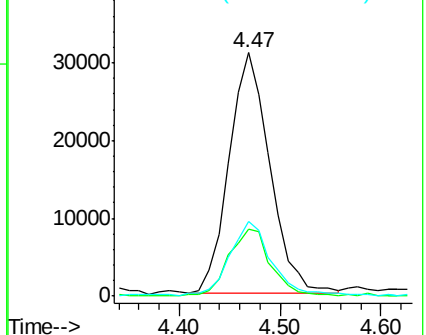
77 30.4 23.7 35.5

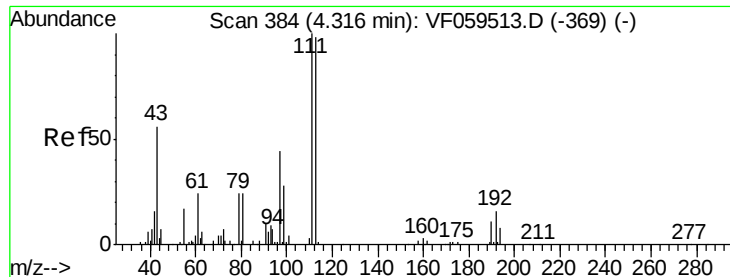


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

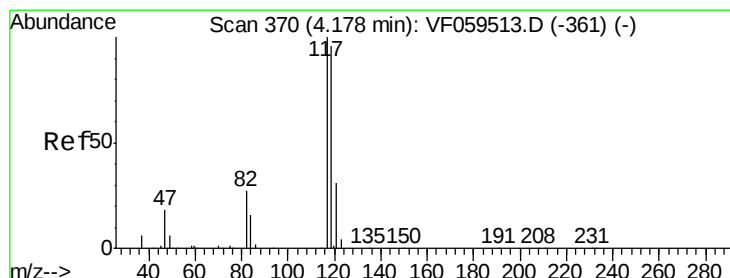
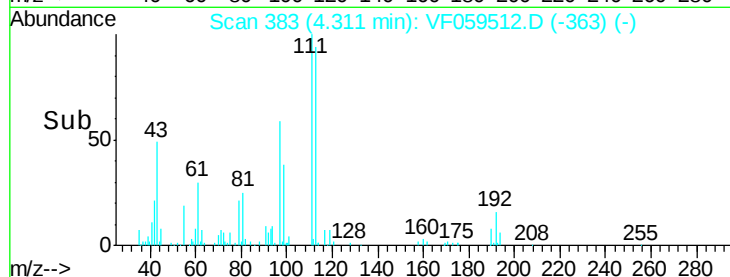
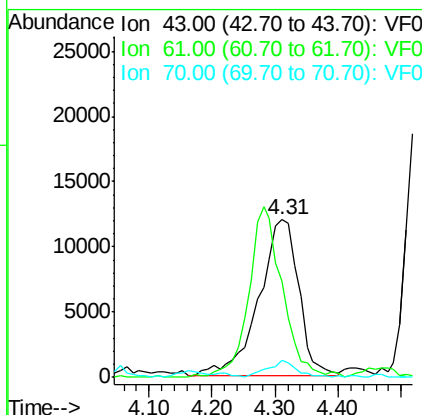
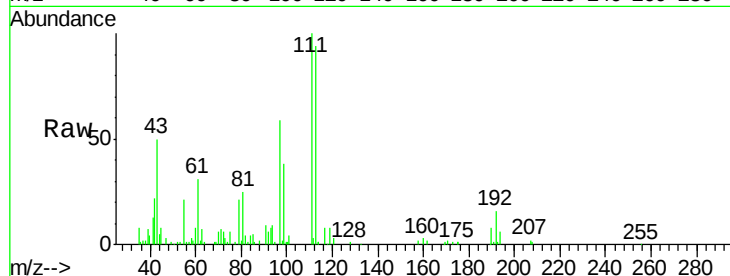




#37
Ethyl Acetate
Concen: 20.913 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

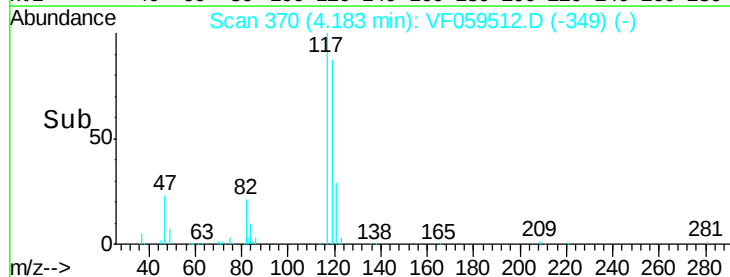
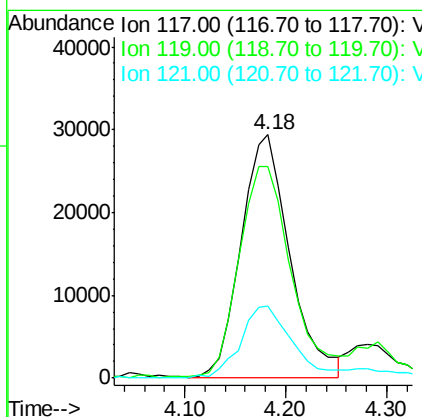
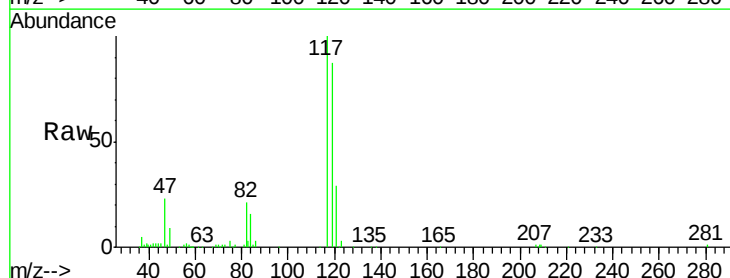
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

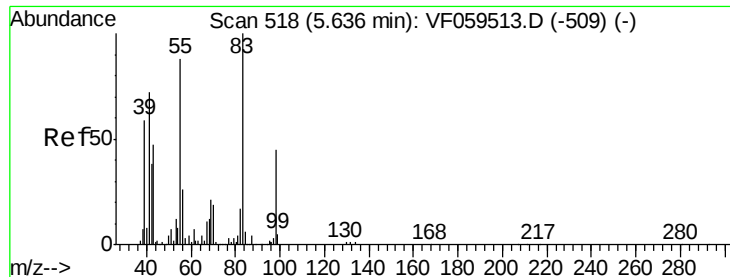
Tot Ion: 43 Resp: 51874
Ion Ratio Lower Upper
43 100
61 61.0 33.7 50.5#
70 10.9 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.891 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion: 117 Resp: 98166
Ion Ratio Lower Upper
117 100
119 87.0 77.6 116.4
121 29.5 24.9 37.3

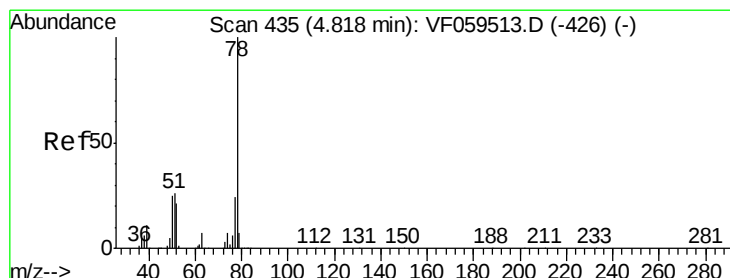
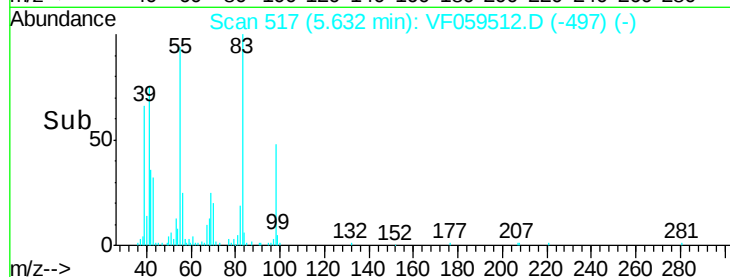
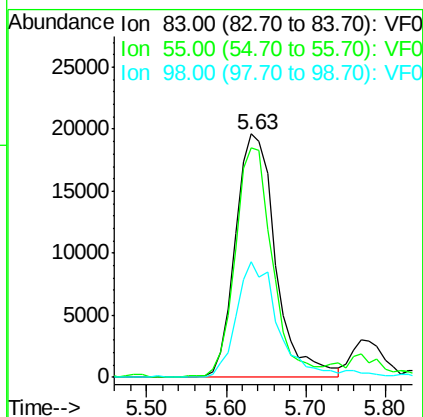
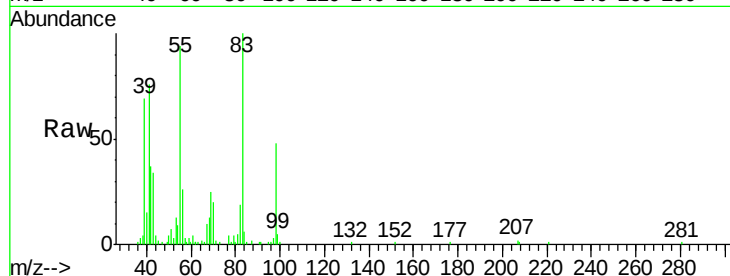




#39
Methvlcvclohexane
Concen: 22.512 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

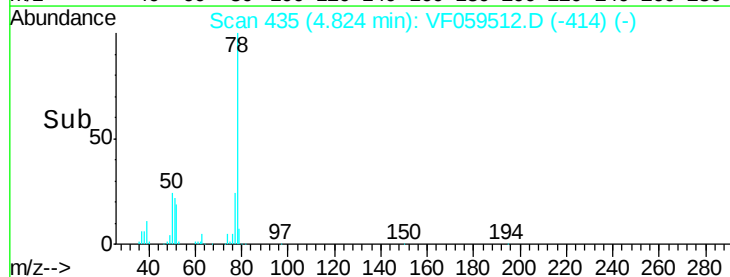
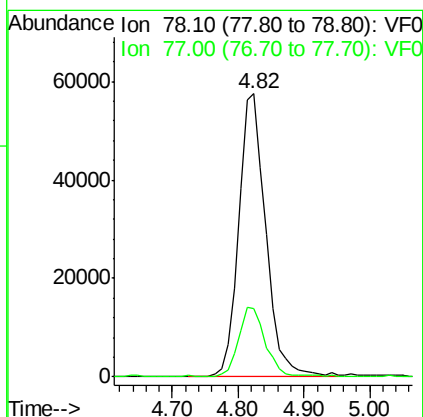
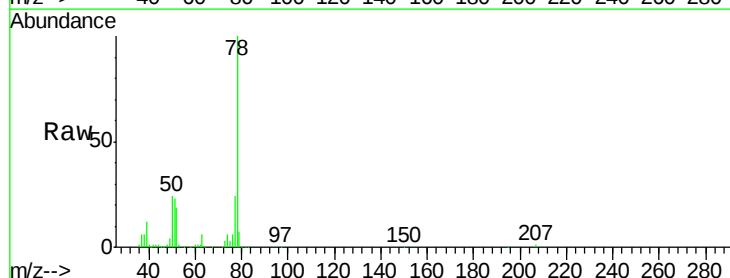
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

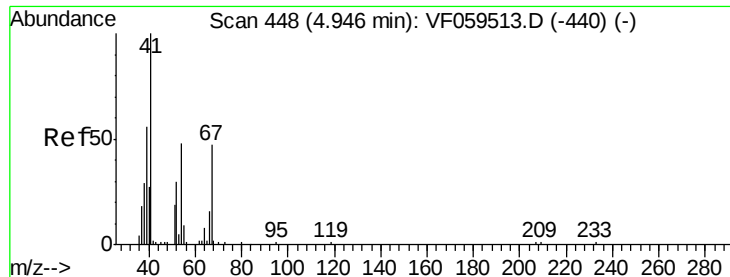
Tot Ion: 83 Resp: 68703
Ion Ratio Lower Upper
83 100
55 94.2 70.2 105.4
98 47.6 36.2 54.2



#40
Benzene
Concen: 21.193 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion: 78 Resp: 166875
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0

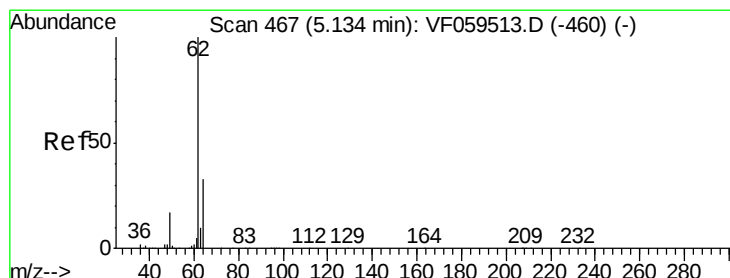
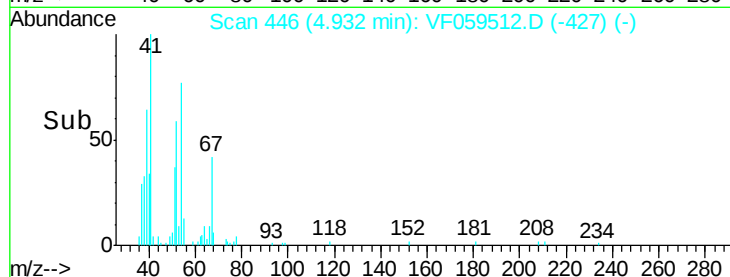
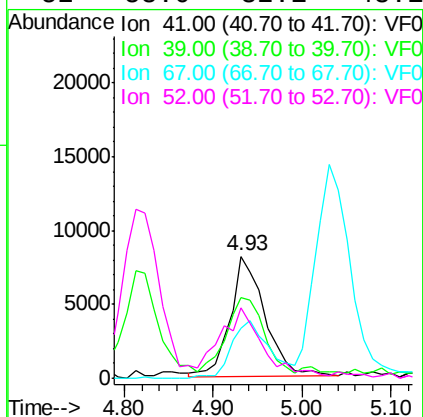
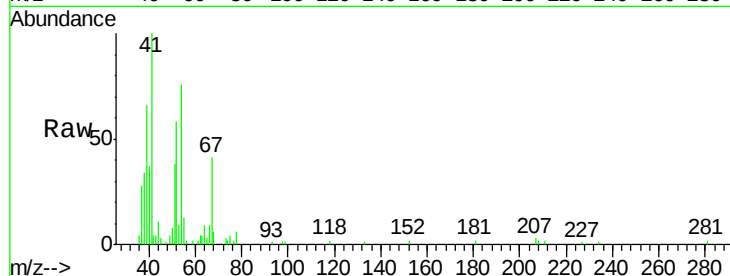




#41
Methacrylonitrile
Concen: 18.670 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

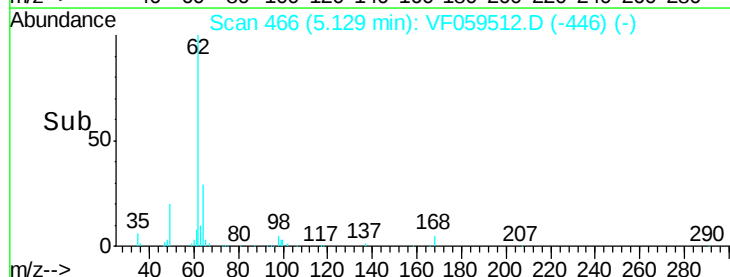
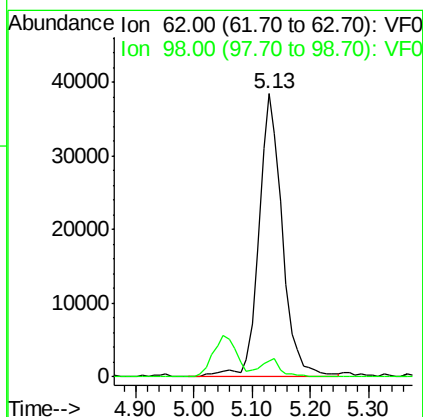
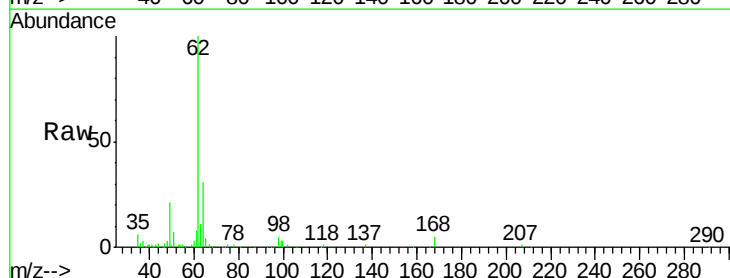
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

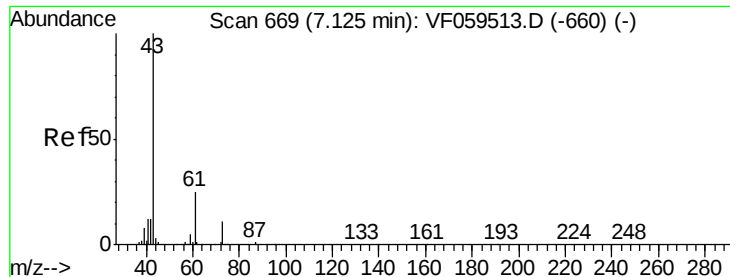
Tot Ion:	41	Resp:	22325
Ion	Ratio	Lower	Upper
41	100		
39	66.4	49.4	74.0
67	41.2	37.4	56.2
52	58.0	32.1	48.1#



#42
1,2-Dichloroethane
Concen: 21.735 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion:	62	Resp:	109559
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	9.6



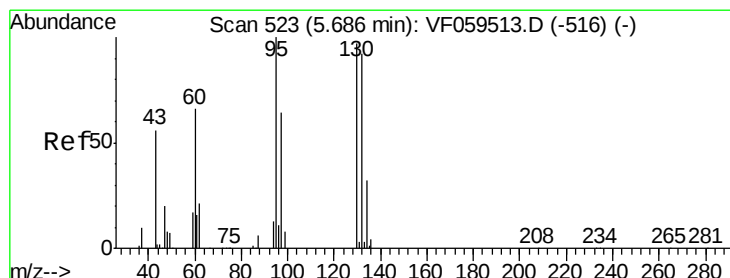
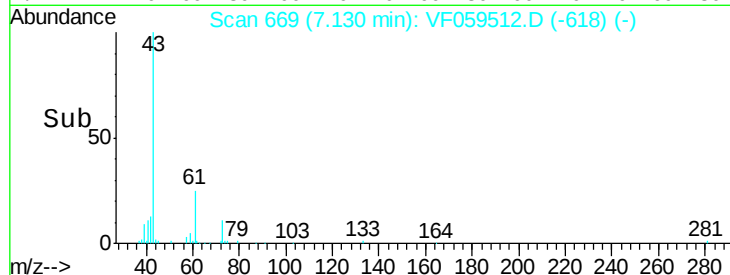
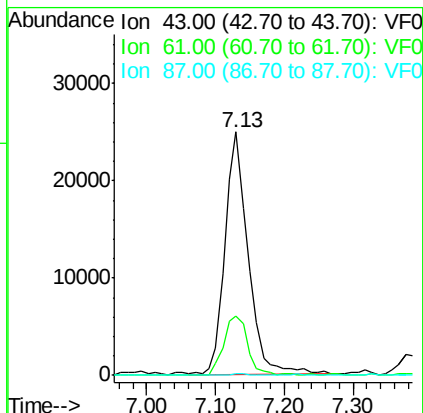
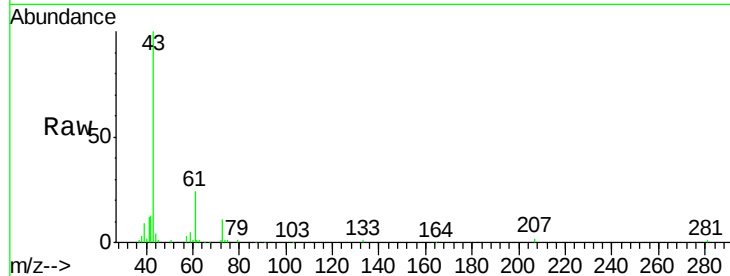


#43

Isopropyl Acetate
 Concen: 19.551 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

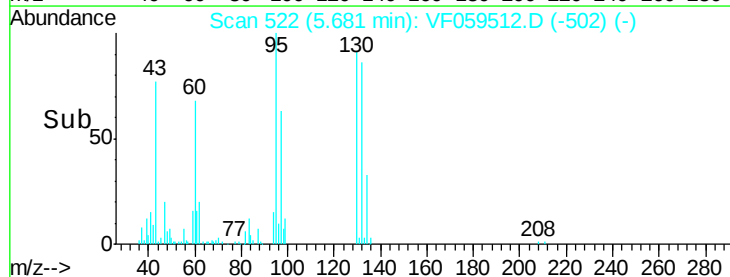
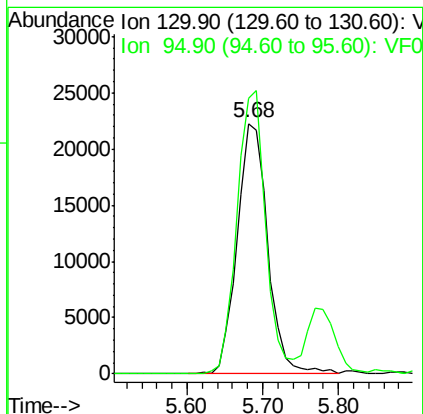
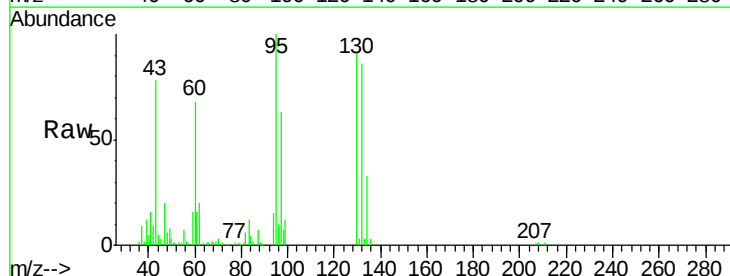
Tot Ion	43	Resp	58075
Ion Ratio	Lower	Upper	
43	100		
61	24.4	20.3	30.5
87	0.5	0.4	0.6

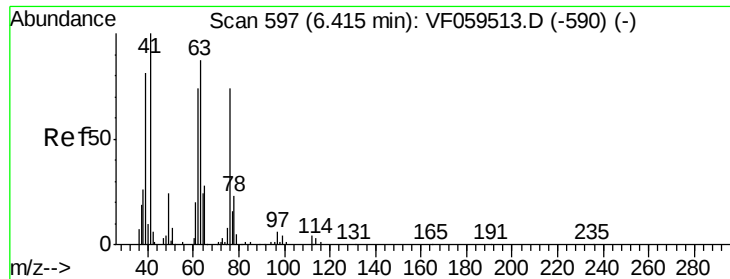


#44

Trichloroethene
 Concen: 21.923 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion	130	Resp	62231
Ion Ratio	Lower	Upper	
130	100		
95	110.1	0.0	206.6





#45

1,2-Dichloropropane

Concen: 21.394 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

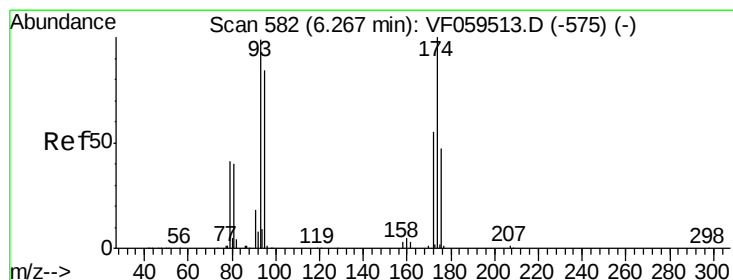
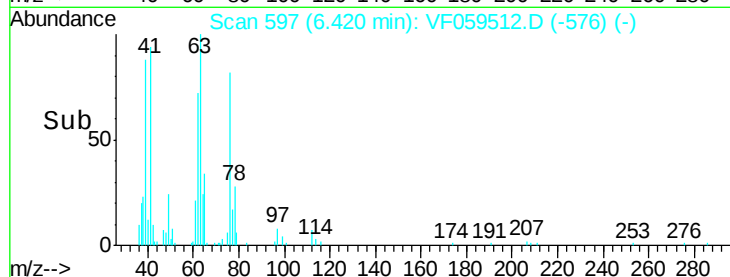
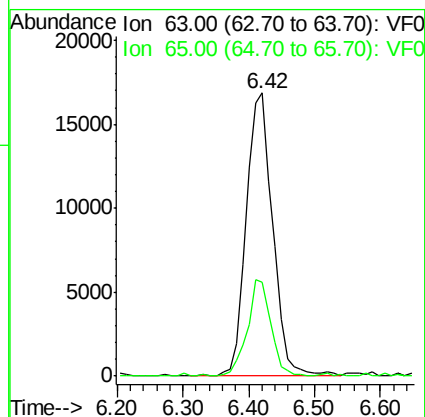
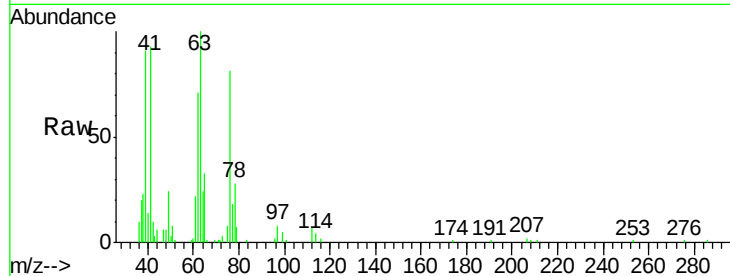
VSTDIC020

Tot Ion: 63 Resp: 47776

Ion Ratio Lower Upper

63 100

65 33.4 26.1 39.1



#46

Dibromomethane

Concen: 20.152 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

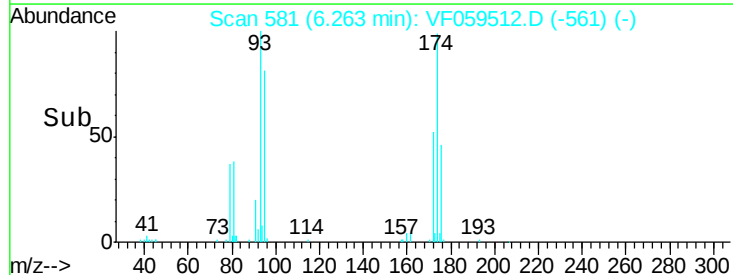
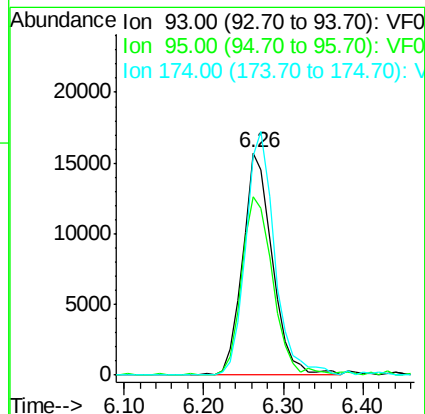
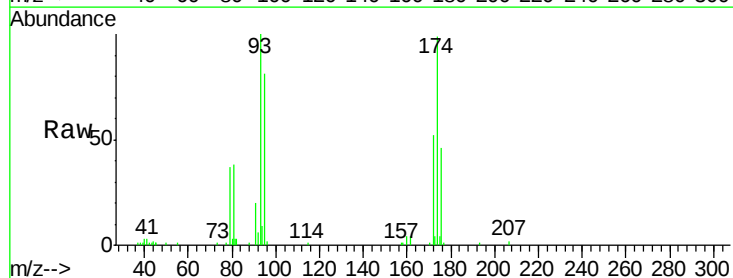
Tgt Ion: 93 Resp: 40202

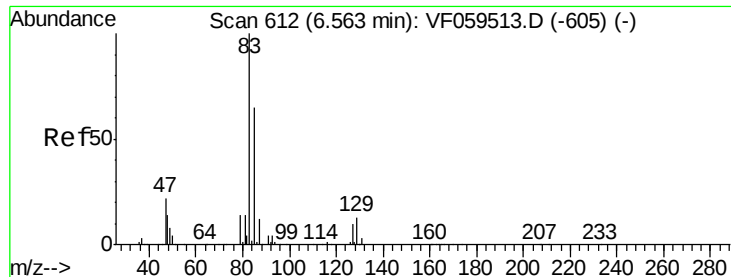
Ion Ratio Lower Upper

93 100

95 80.6 68.3 102.5

174 99.1 81.2 121.8





#47

Bromodichloromethane

Concen: 20.940 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

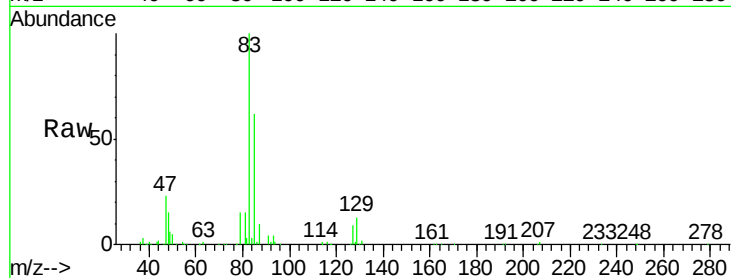
Tot Ion: 83 Resp: 106744

Ion Ratio Lower Upper

83 100

85 62.0 52.4 78.6

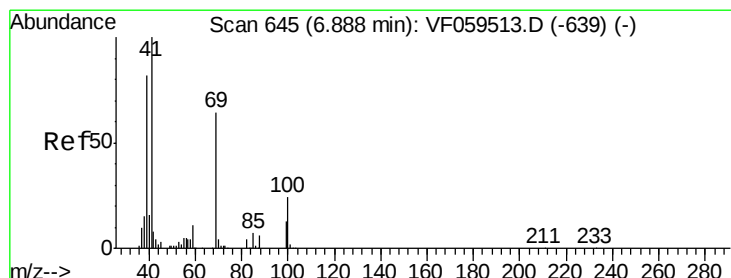
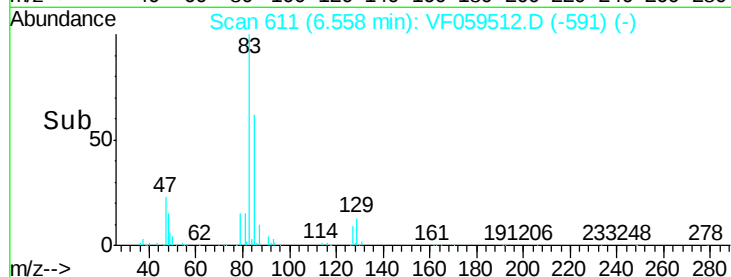
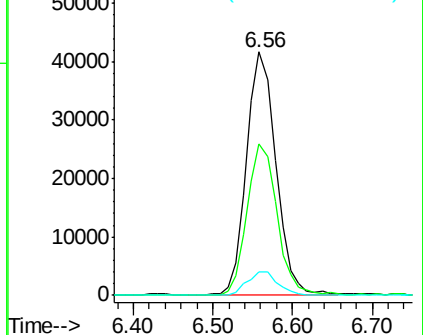
127 9.4 8.2 12.4



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: 17.675 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

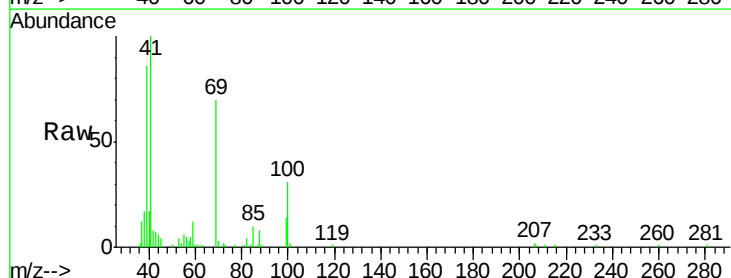
Tgt Ion: 41 Resp: 37835

Ion Ratio Lower Upper

41 100

69 70.3 51.3 76.9

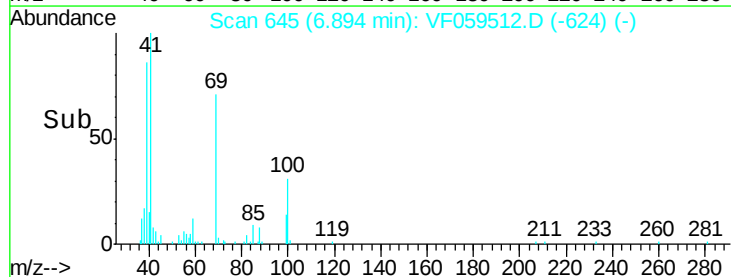
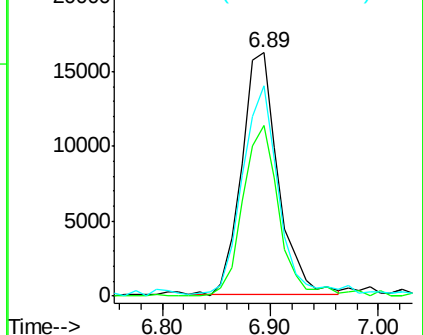
39 86.3 65.3 97.9

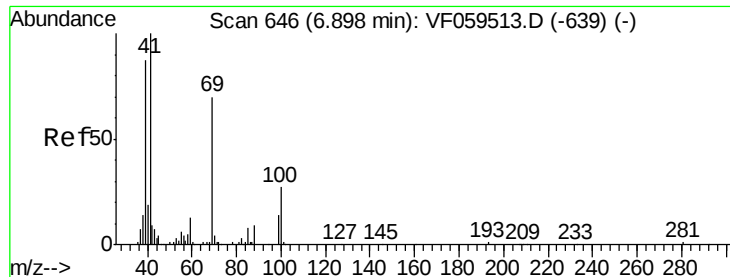


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 450.501 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

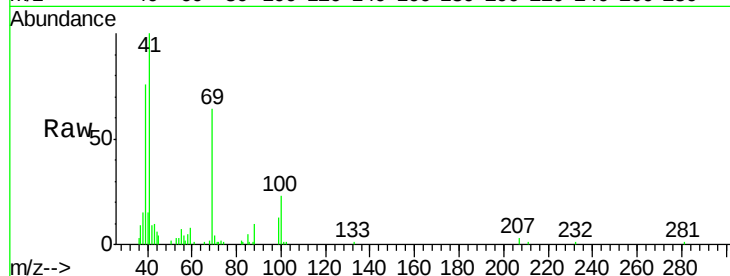
Tot Ion: 88 Resp: 4362

Ion Ratio Lower Upper

88 100

43 94.1 64.8 97.2

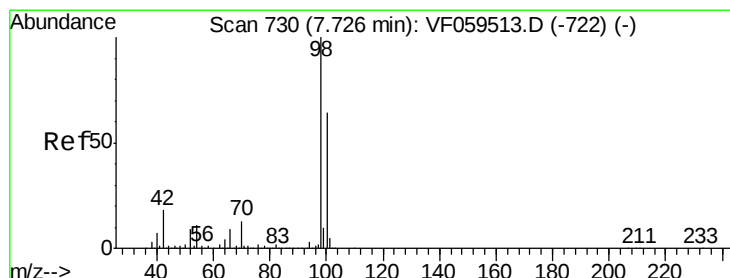
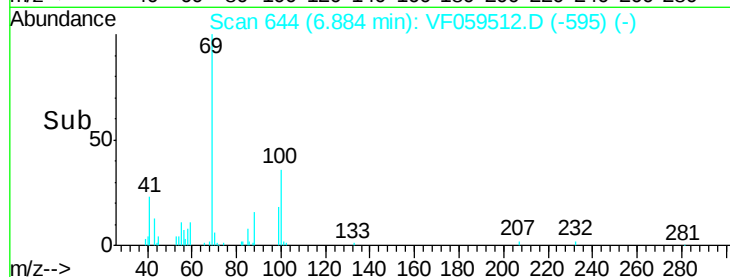
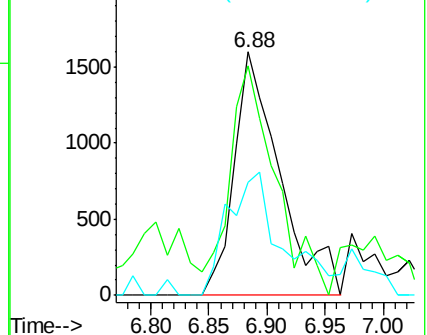
58 46.6 44.1 66.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 20.931 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF059512.D

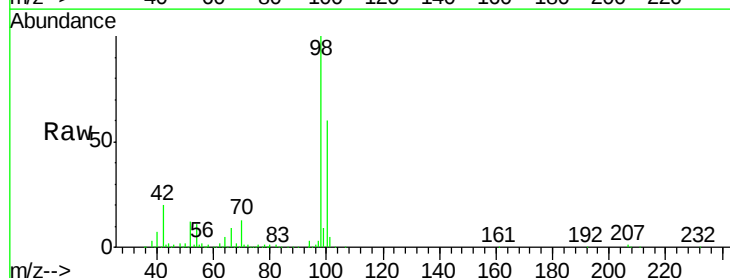
Acq: 17 Jul 2018 17:34

Tgt Ion: 98 Resp: 178905

Ion Ratio Lower Upper

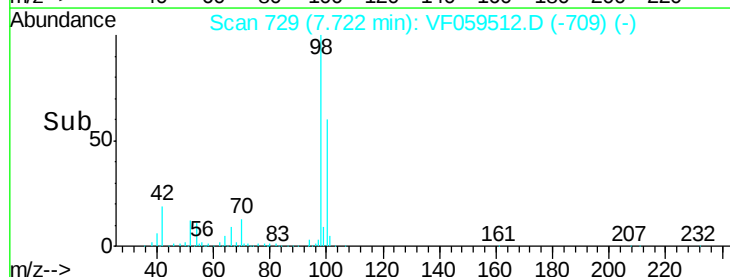
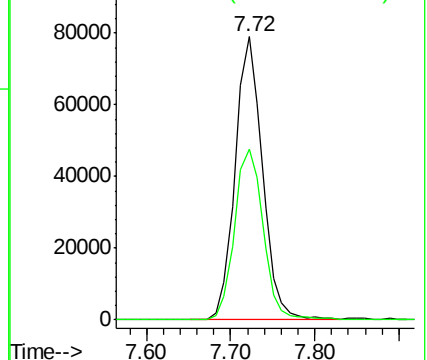
98 100

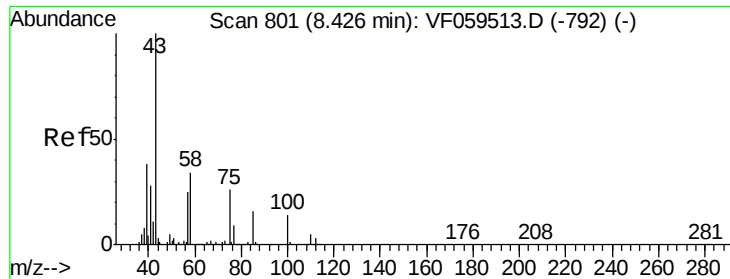
100 60.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 100.997 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

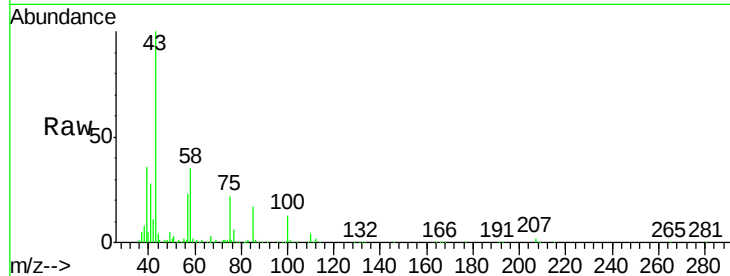
VSTDIC020

Tot Ion: 43 Resp: 210460

Ion Ratio Lower Upper

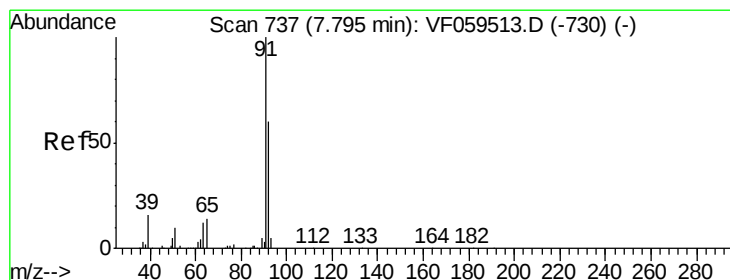
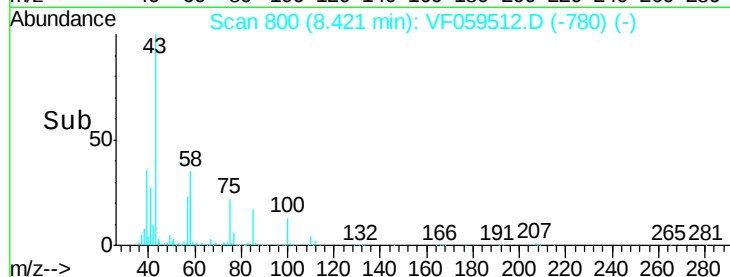
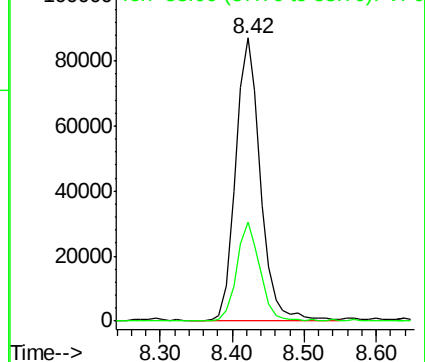
43 100

58 35.0 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.303 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF059512.D

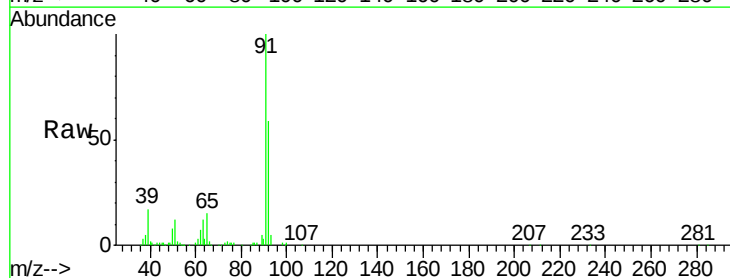
Acq: 17 Jul 2018 17:34

Tgt Ion: 92 Resp: 120626

Ion Ratio Lower Upper

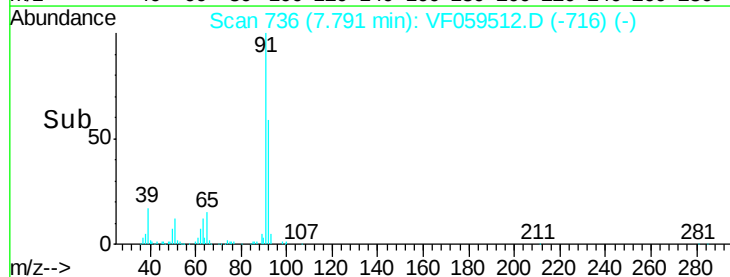
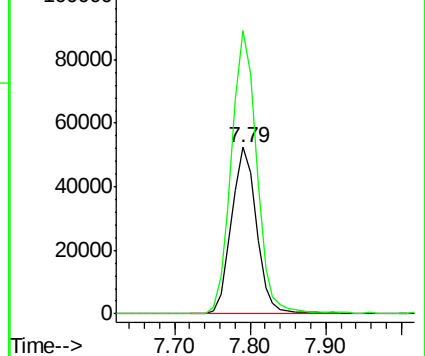
92 100

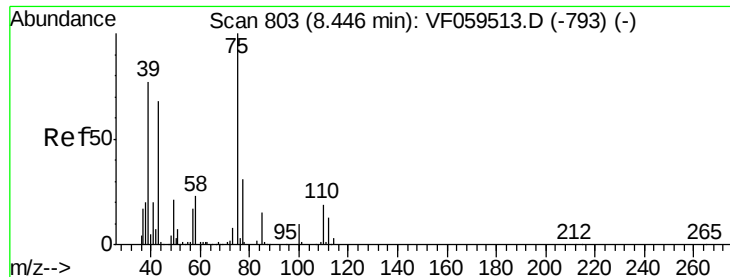
91 170.0 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

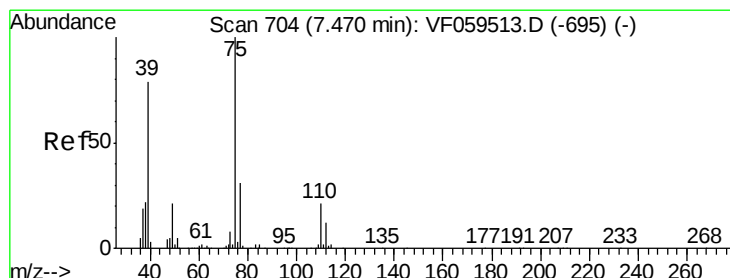
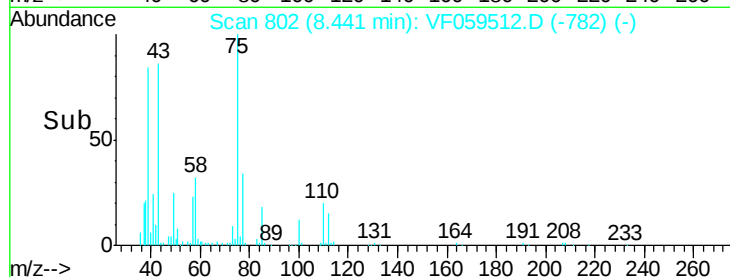
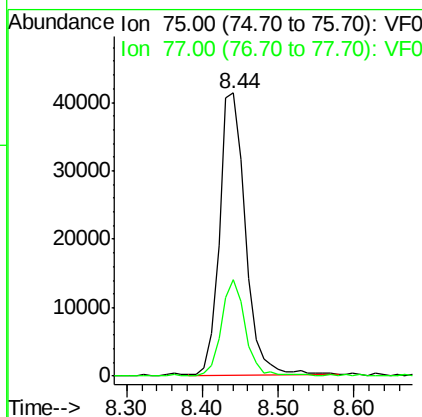
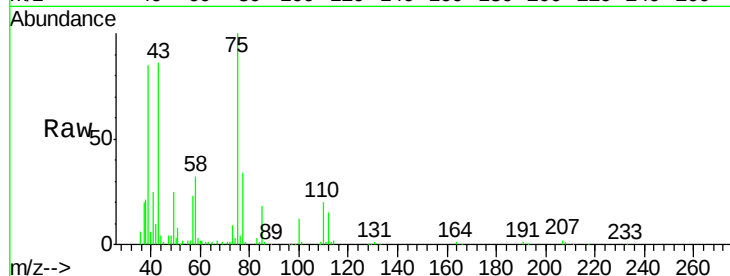




#53
 t-1,3-Dichloropropene
 Concen: 21.933 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

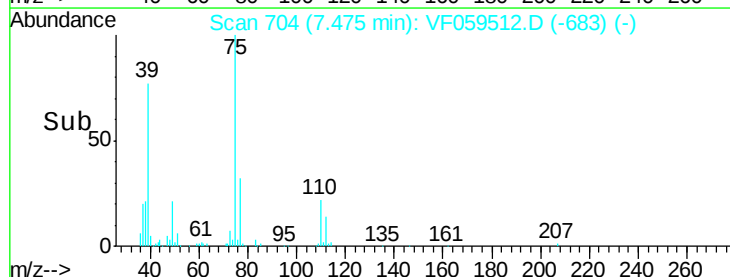
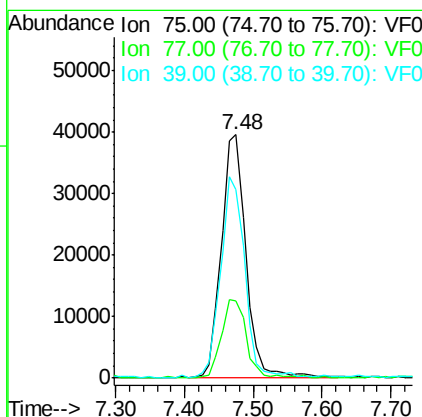
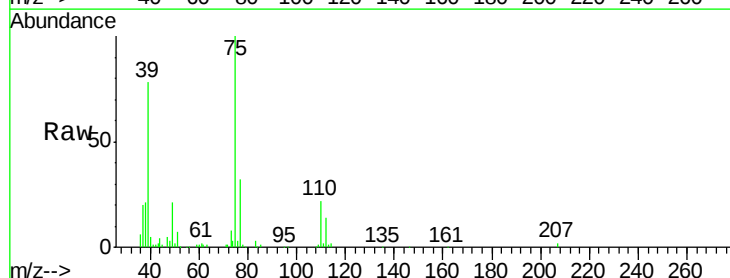
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

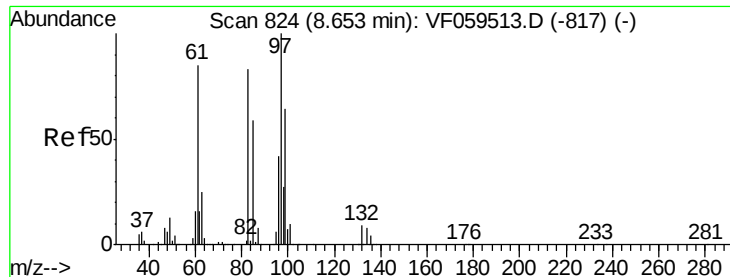
Tot Ion: 75 Resp: 98819
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 21.062 ug/l
 RT: 7.48 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion: 75 Resp: 98454
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.6
 39 77.5 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 20.843 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 47006

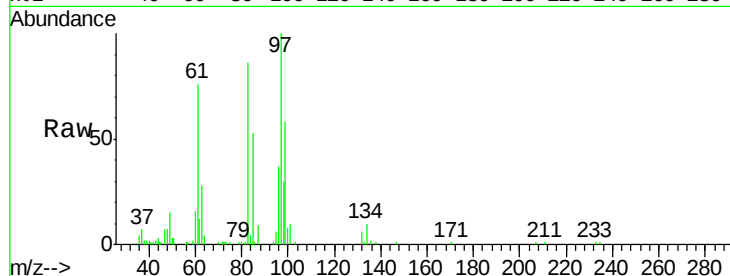
Ion Ratio Lower Upper

97 100

83 85.7 66.9 100.3

85 53.5 46.9 70.3

99 58.2 51.5 77.3

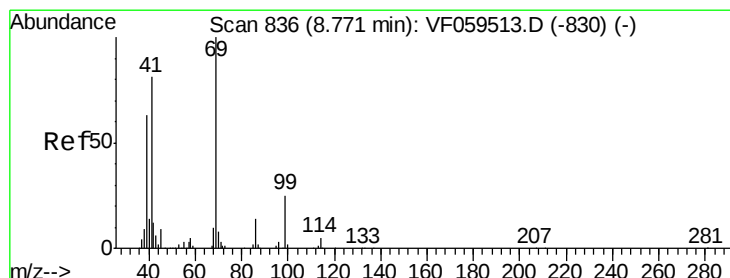
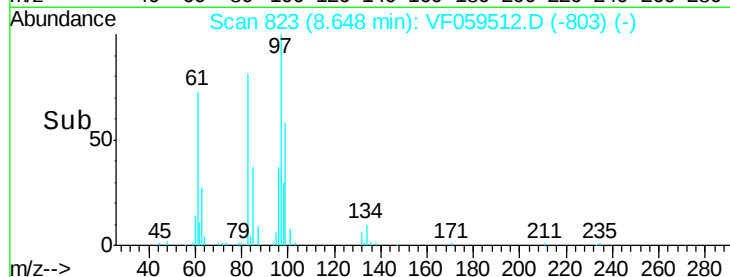
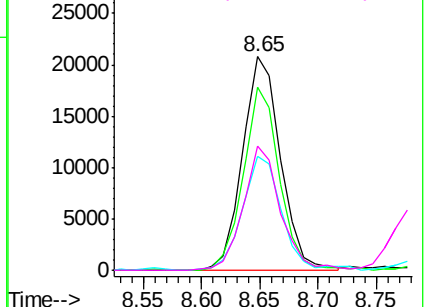


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.246 ug/l

RT: 8.78 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

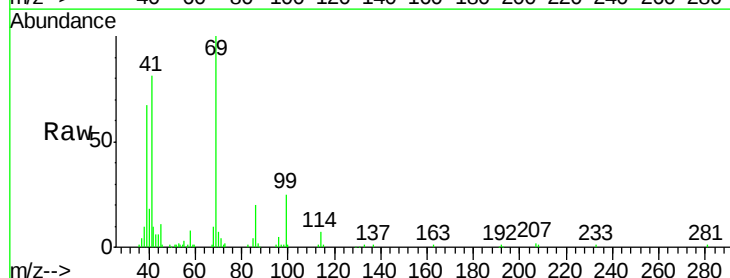
Tgt Ion: 69 Resp: 54665

Ion Ratio Lower Upper

69 100

41 80.9 65.4 98.2

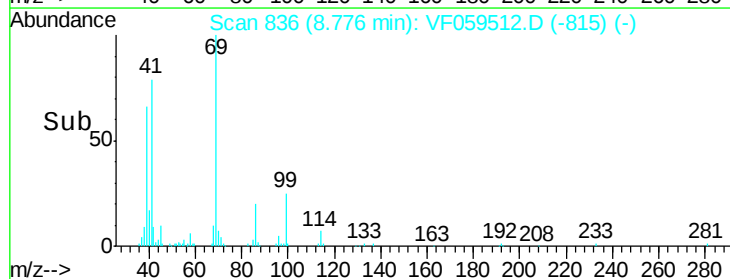
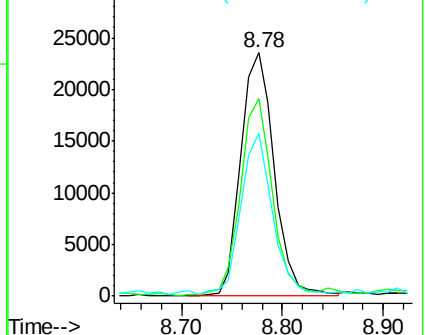
39 66.9 51.0 76.4

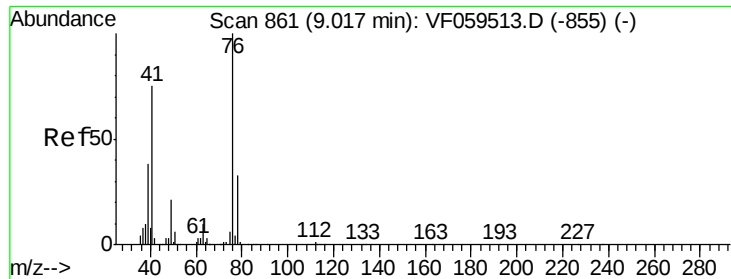


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.309 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

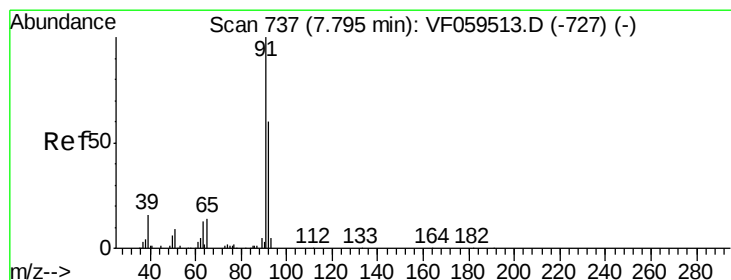
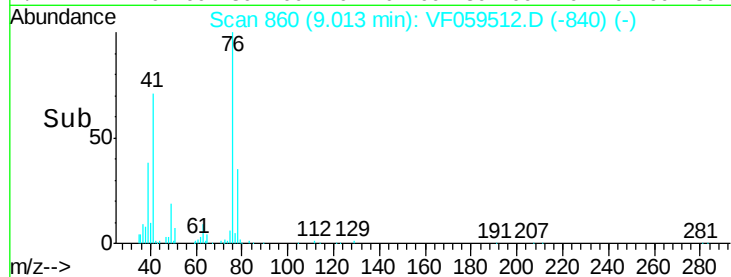
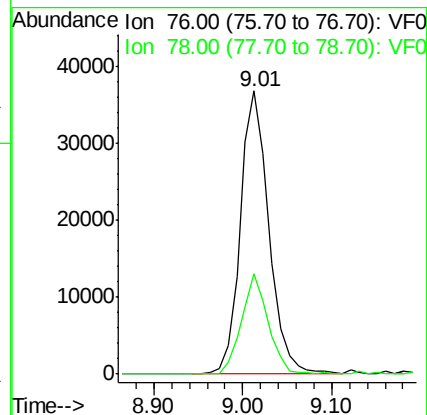
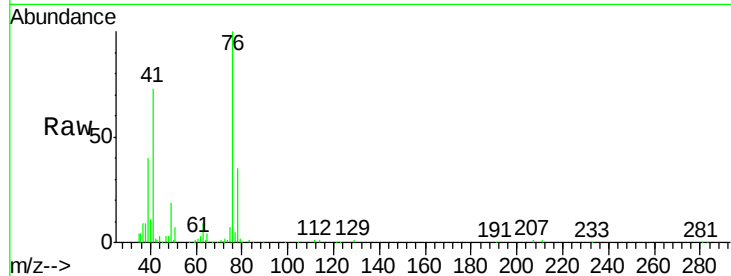
VSTDIC020

Tot Ion: 76 Resp: 81761

Ion Ratio Lower Upper

76 100

78 35.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 106.181 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF059512.D

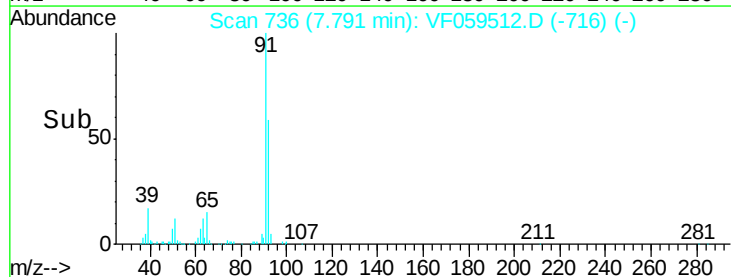
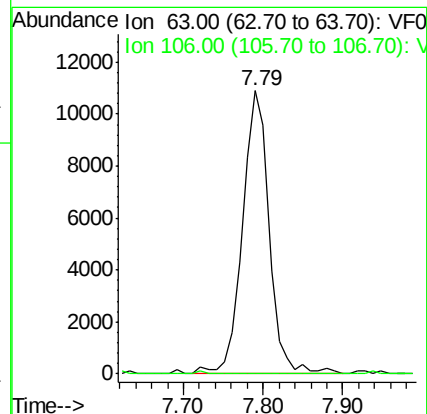
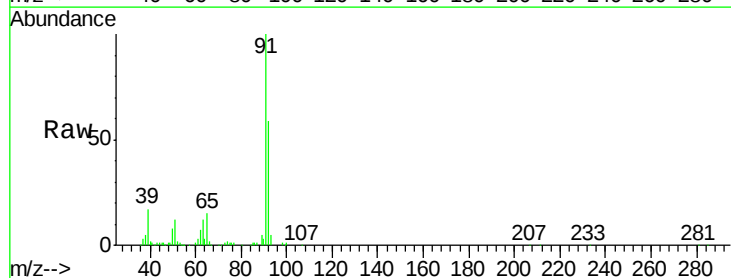
Acq: 17 Jul 2018 17:34

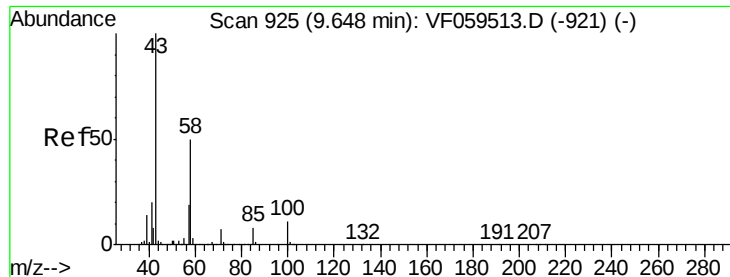
Tgt Ion: 63 Resp: 25184

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

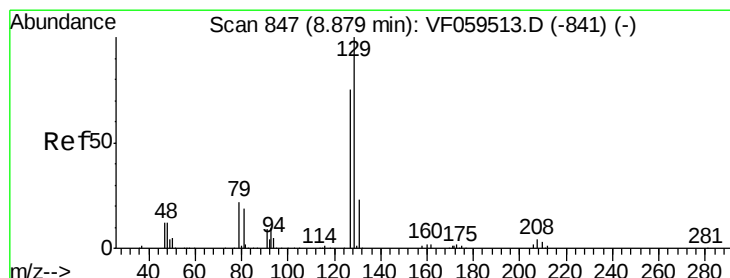
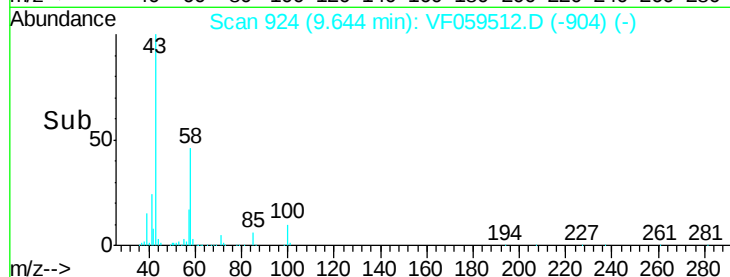
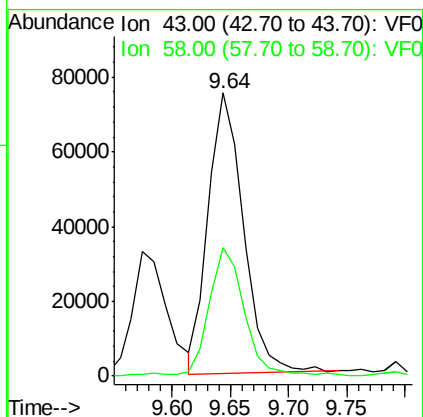
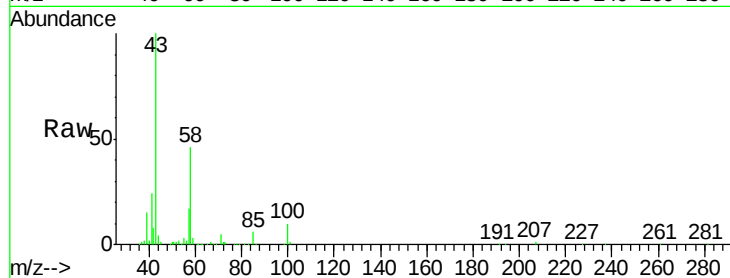




#59
2-Hexanone
Concen: 95.775 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

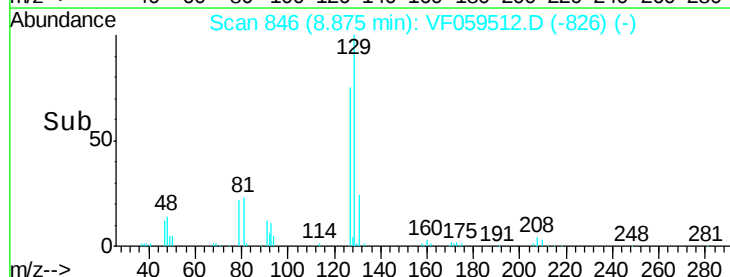
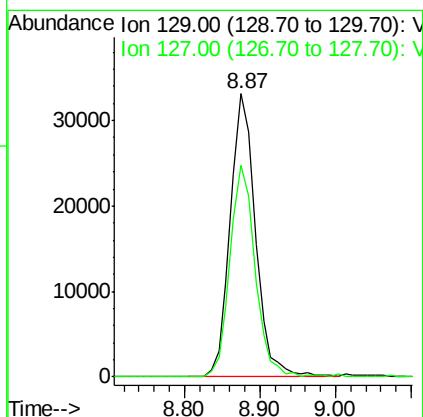
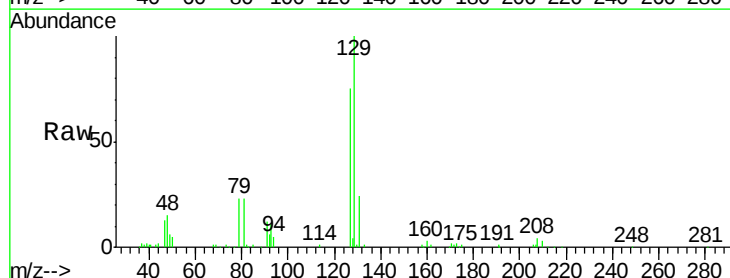
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

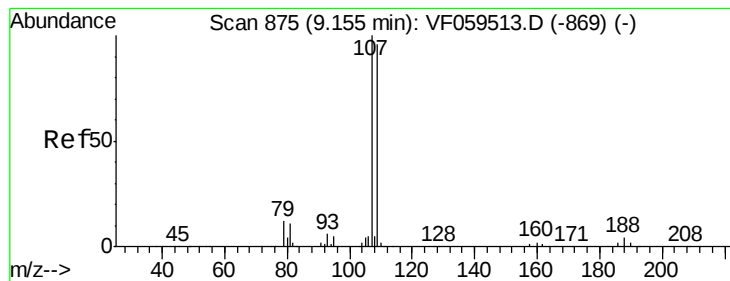
Tot Ion: 43 Resp: 156585
Ion Ratio Lower Upper
43 100
58 45.5 23.3 69.9



#60
Dibromochloromethane
Concen: 20.876 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion: 129 Resp: 76408
Ion Ratio Lower Upper
129 100
127 74.6 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.883 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

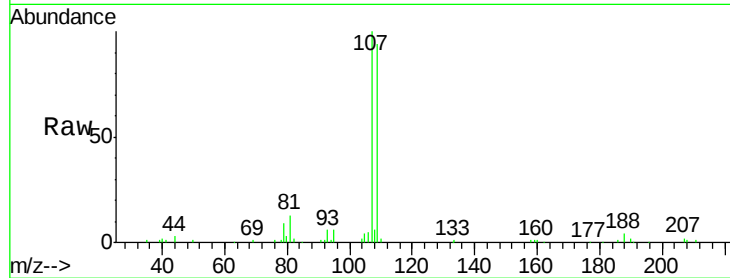
VSTDIC020

Tot Ion:107 Resp: 56999

Ion Ratio Lower Upper

107 100

109 93.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

25000

20000

15000

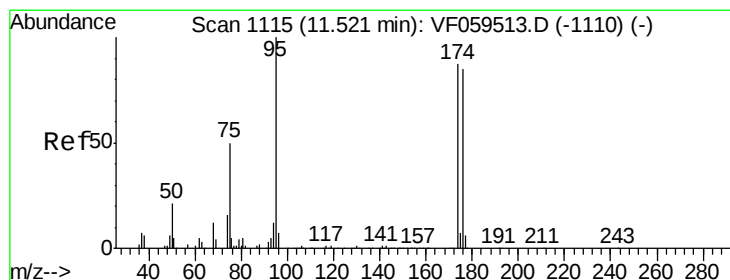
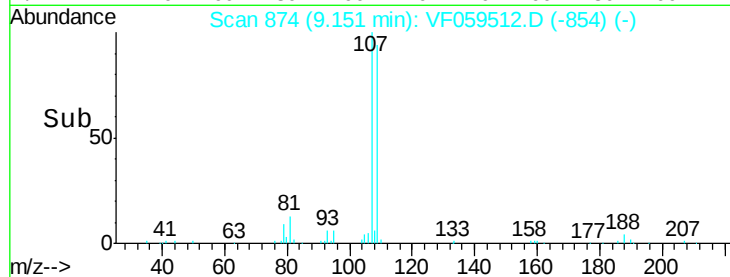
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 21.224 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

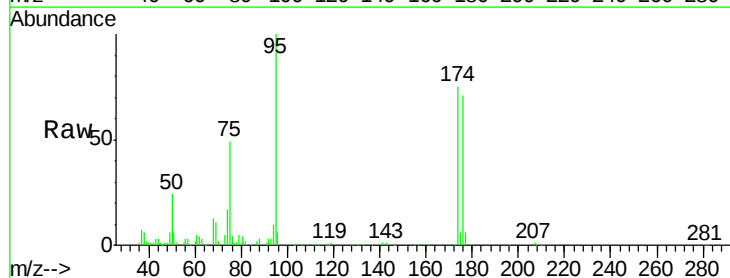
Tgt Ion: 95 Resp: 96384

Ion Ratio Lower Upper

95 100

174 75.3 0.0 174.4

176 70.5 0.0 169.4



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

11.52

80000

60000

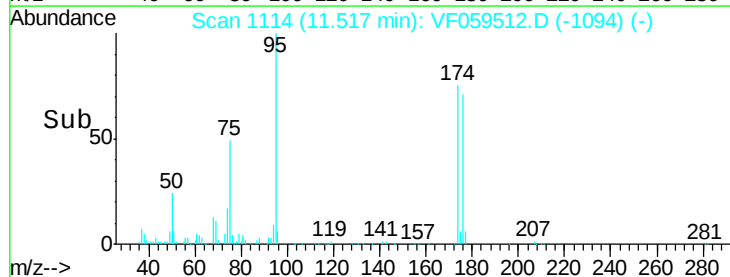
40000

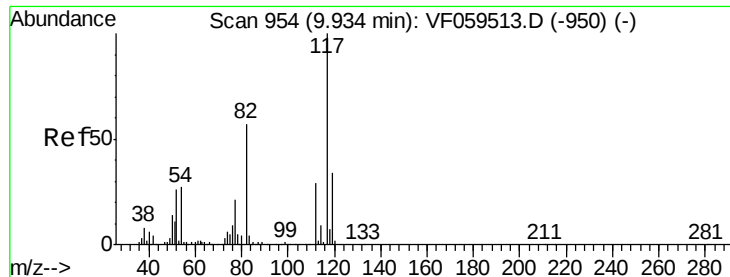
20000

0

Time-->

11.40 11.50 11.60 11.70

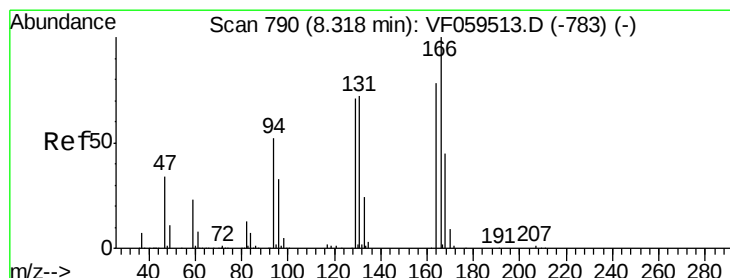
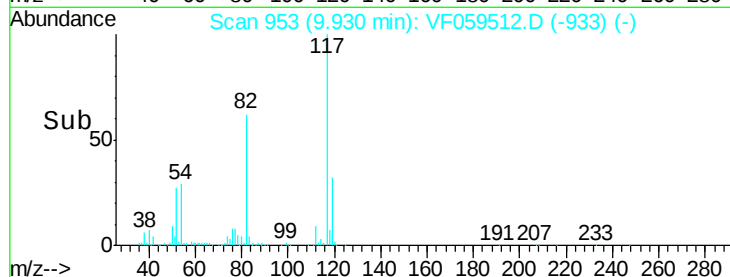
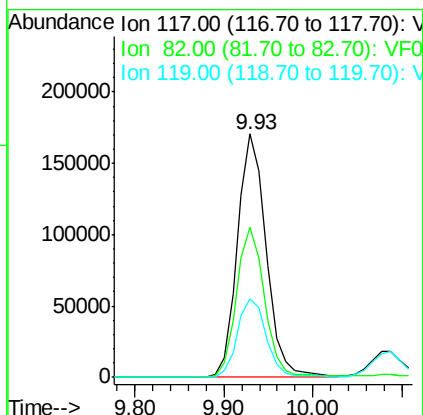
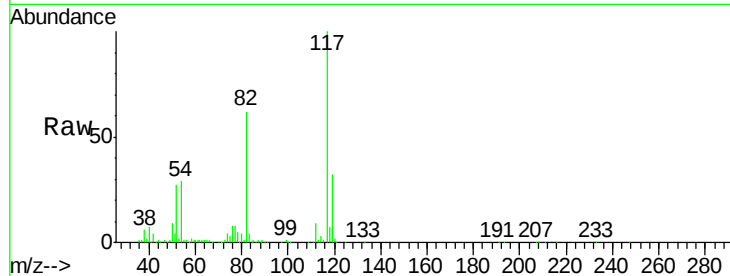




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

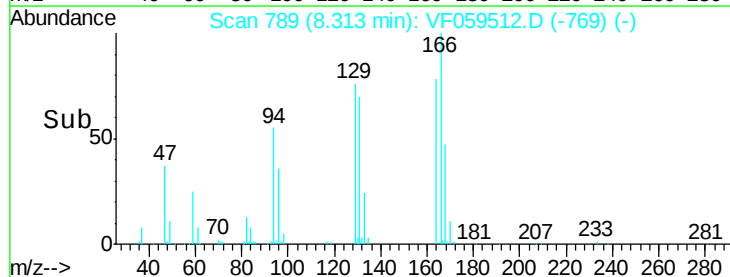
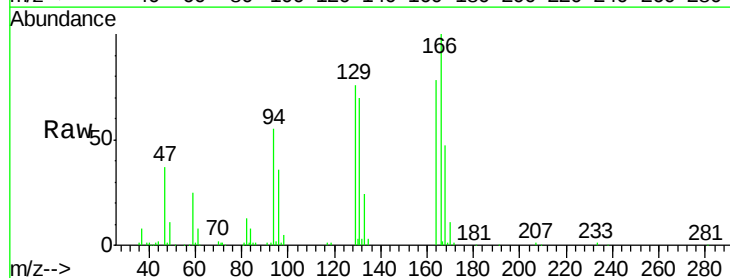
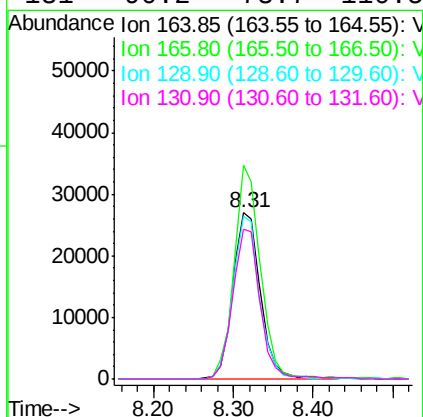
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

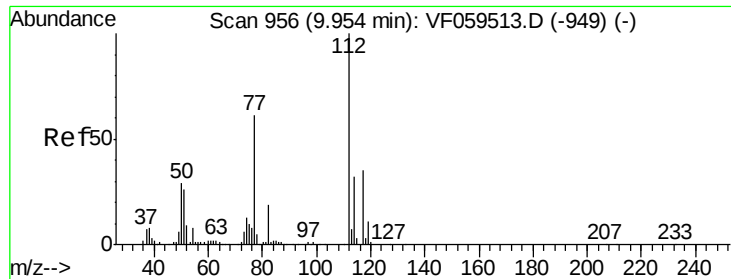
Tot Ion:117 Resp: 385748
Ion Ratio Lower Upper
117 100
82 61.6 46.1 69.1
119 32.5 27.2 40.8



#64
Tetrachloroethene
Concen: 21.329 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion:164 Resp: 64868
Ion Ratio Lower Upper
164 100
166 128.6 102.3 153.5
129 98.0 72.4 108.6
131 90.2 73.7 110.5





#65

Chlorobenzene

Concen: 21.680 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

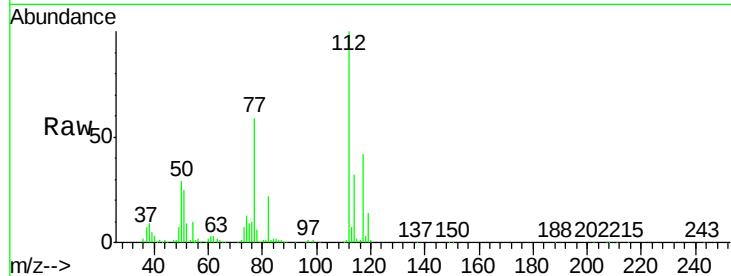
VSTDIC020

Tot Ion:112 Resp: 157303

Ion Ratio Lower Upper

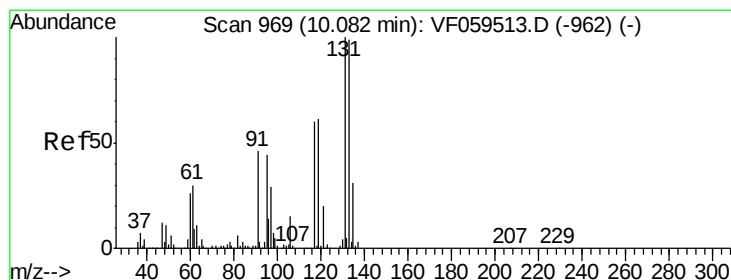
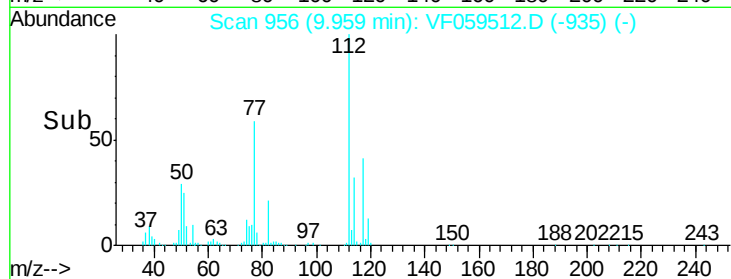
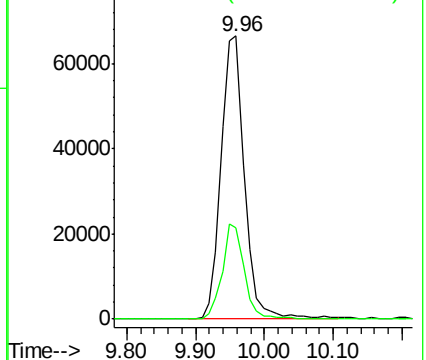
112 100

114 32.1 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.532 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

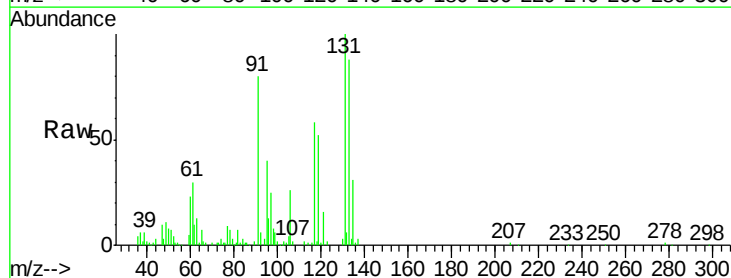
Tgt Ion:131 Resp: 70729

Ion Ratio Lower Upper

131 100

133 87.8 49.6 148.8

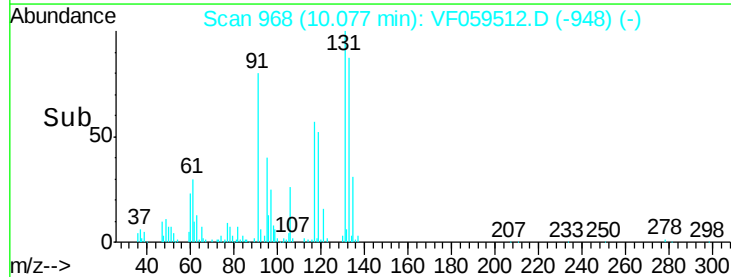
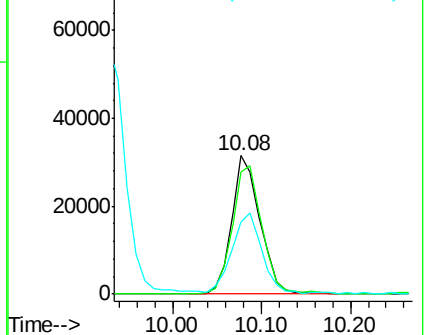
119 52.5 31.4 94.3

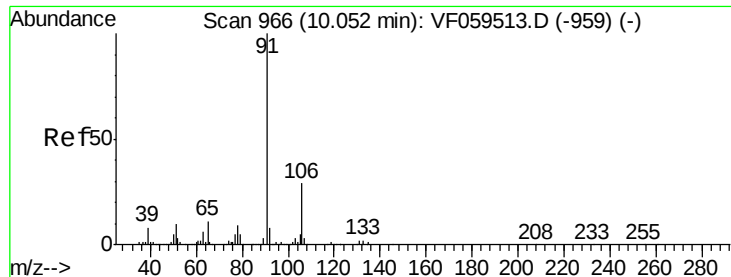


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.360 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

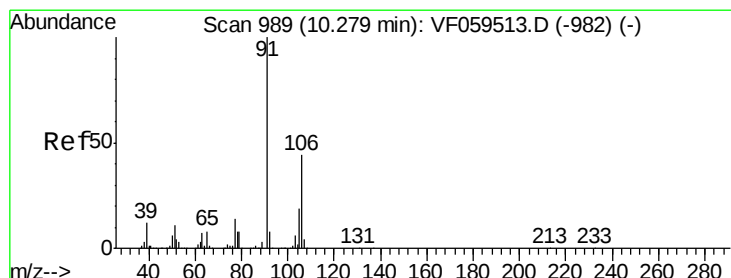
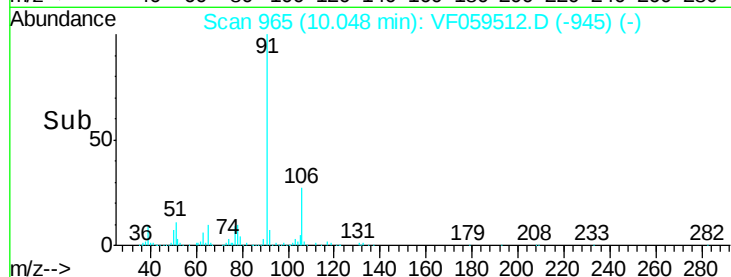
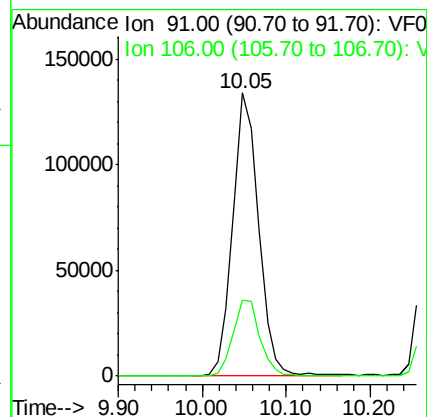
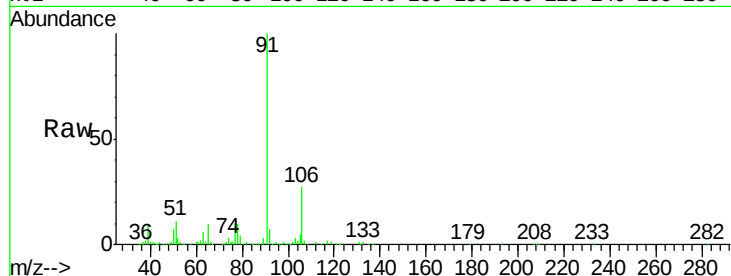
VSTDIC020

Tot Ion: 91 Resp: 289452

Ion Ratio Lower Upper

91 100

106 26.9 23.4 35.2



#68

m/p-Xylenes

Concen: 43.980 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059512.D

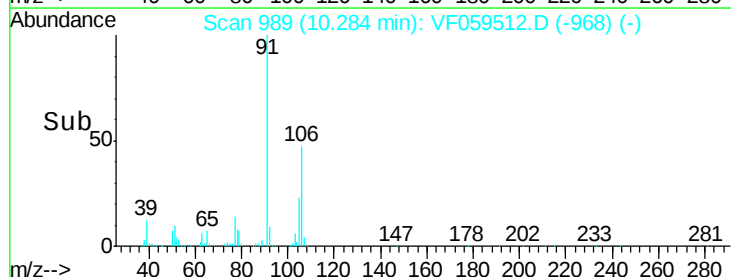
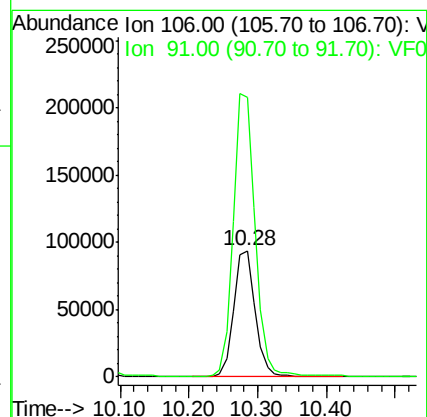
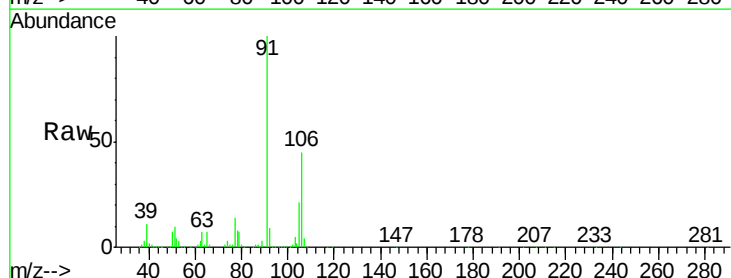
Acq: 17 Jul 2018 17:34

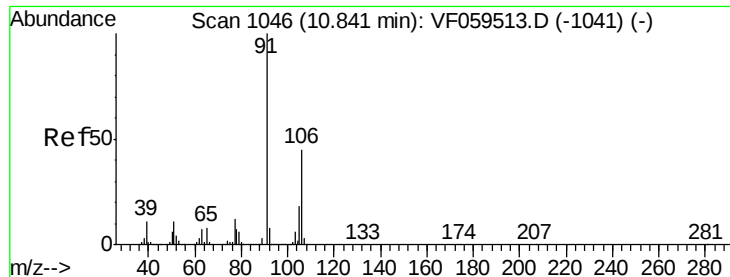
Tgt Ion: 106 Resp: 203920

Ion Ratio Lower Upper

106 100

91 222.1 181.0 271.4

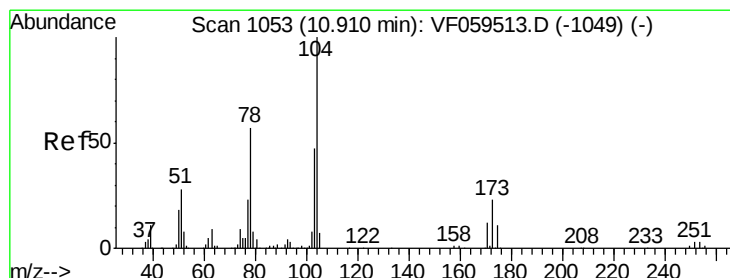
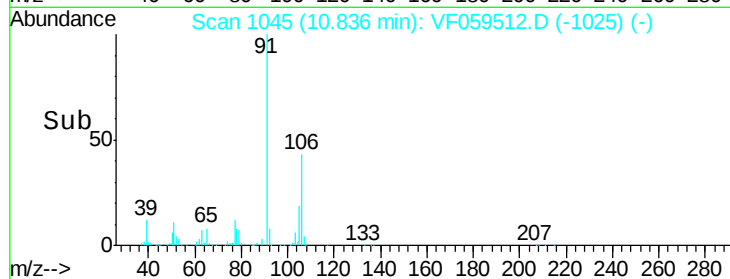
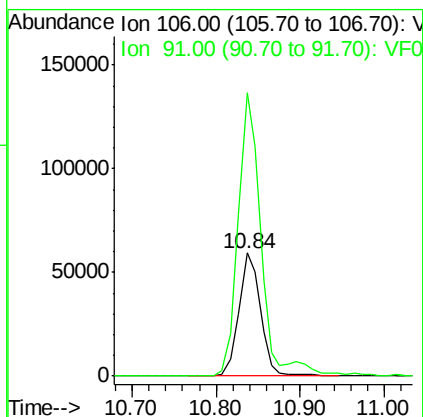
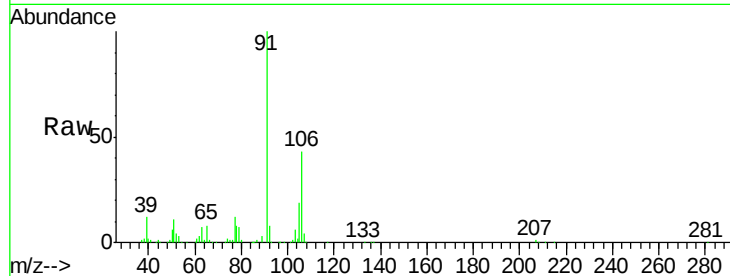




#69
o-Xylene
Concen: 22.175 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

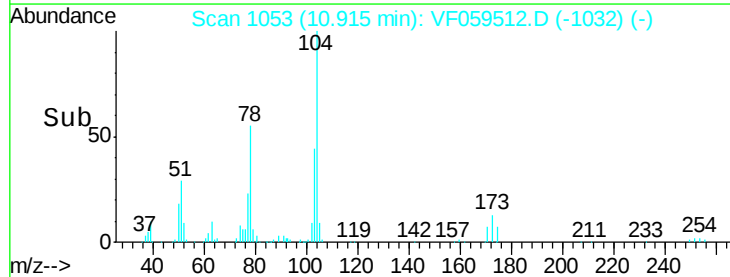
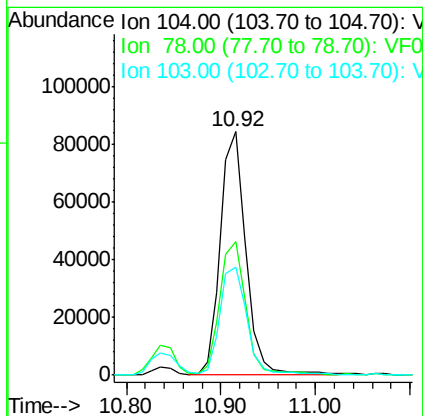
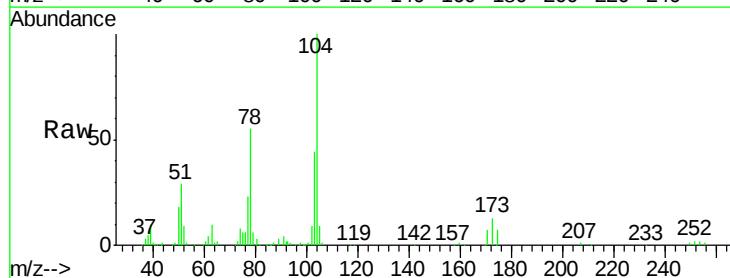
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

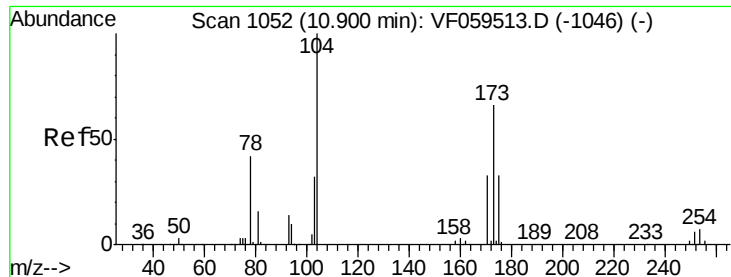
Tot Ion:106 Resp: 106850
Ion Ratio Lower Upper
106 100
91 230.1 112.3 336.9



#70
Styrene
Concen: 20.613 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion:104 Resp: 157141
Ion Ratio Lower Upper
104 100
78 54.6 45.7 68.5
103 44.2 38.1 57.1





#71

Bromoform

Concen: 19.199 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

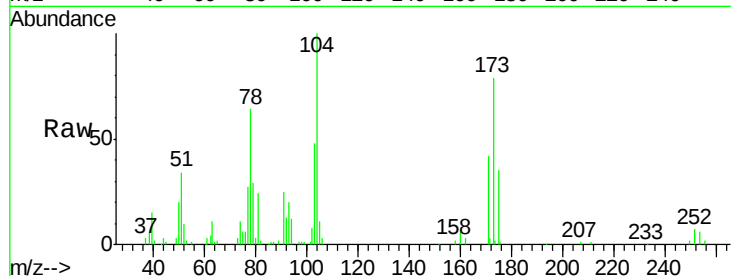
Tot Ion:173 Resp: 45980

Ion Ratio Lower Upper

173 100

175 43.5 25.3 75.8

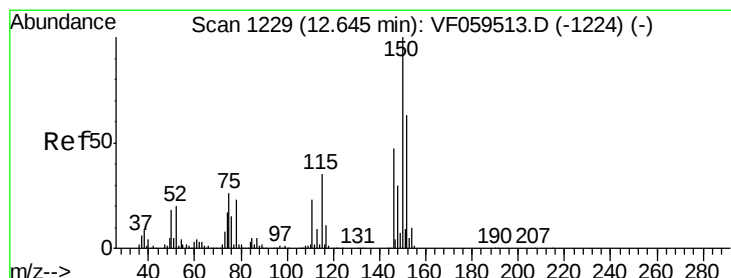
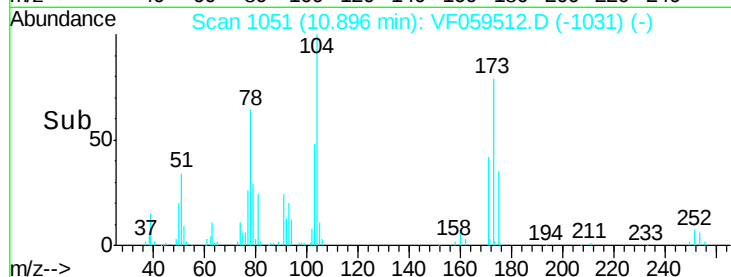
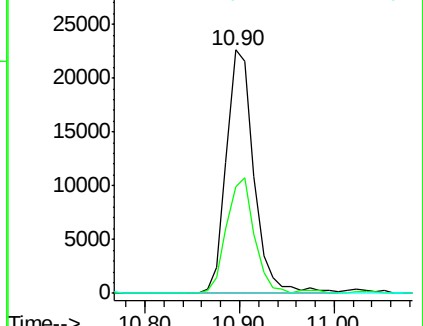
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

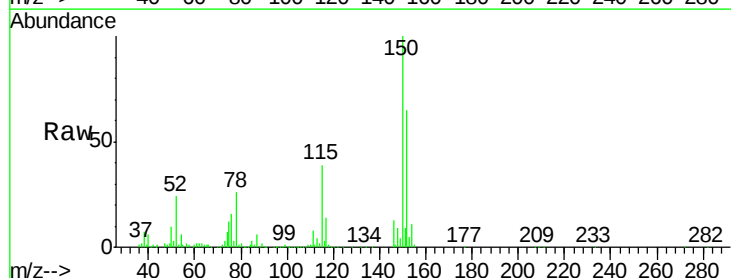
Tgt Ion:152 Resp: 224711

Ion Ratio Lower Upper

152 100

115 60.3 27.8 83.3

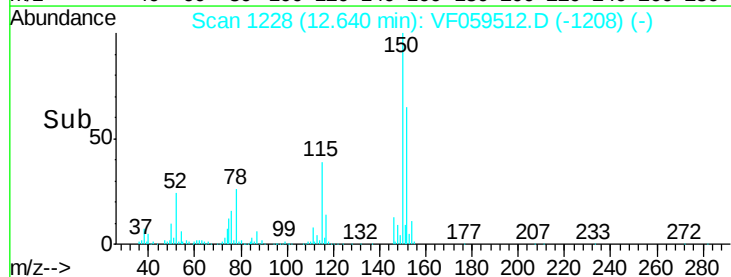
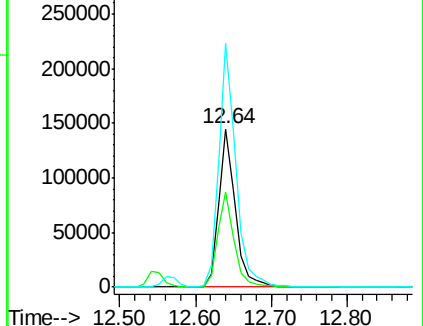
150 154.3 0.0 318.4

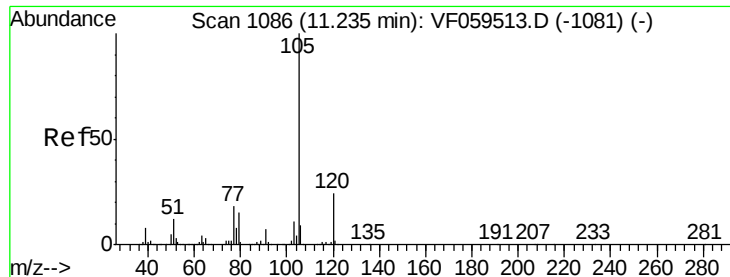


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.987 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

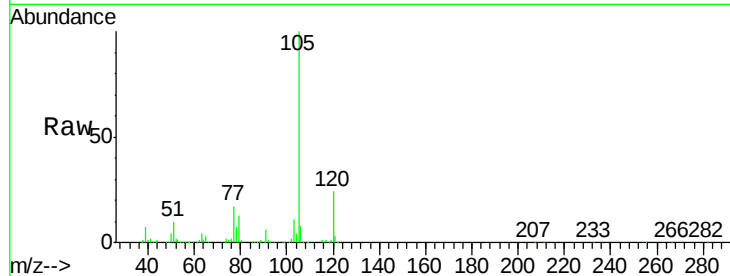
VSTDIC020

Tot Ion:105 Resp: 315177

Ion Ratio Lower Upper

105 100

120 24.1 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

200000

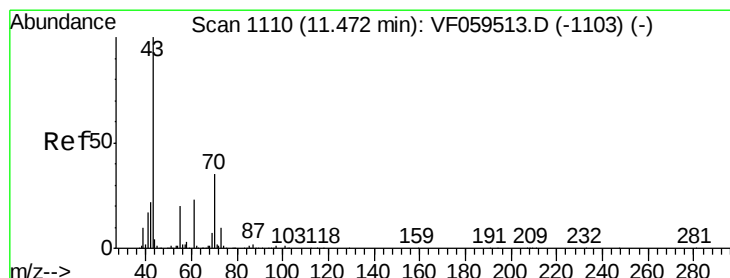
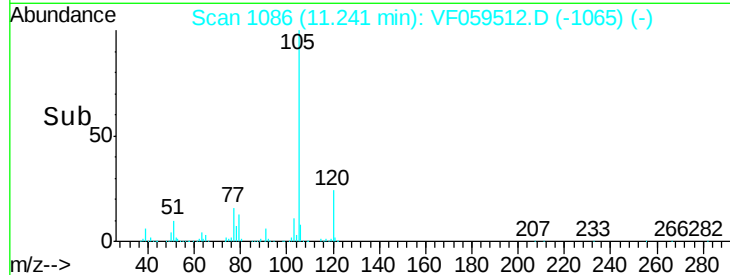
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.417 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Tgt Ion: 43 Resp: 93690

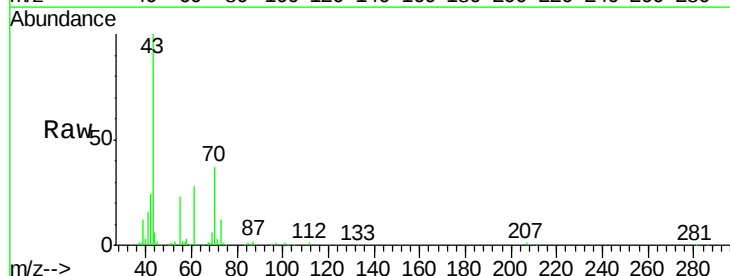
Ion Ratio Lower Upper

43 100

70 36.5 27.9 41.9

55 23.2 16.2 24.2

61 27.5 18.6 27.8



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

80000

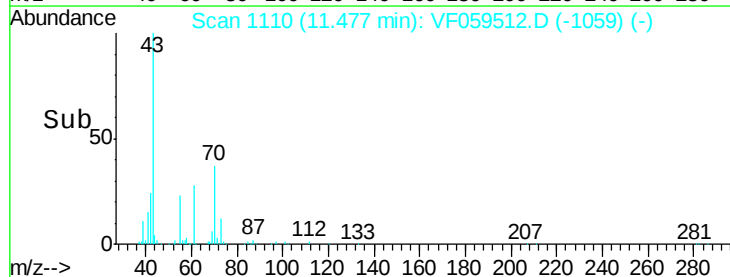
60000

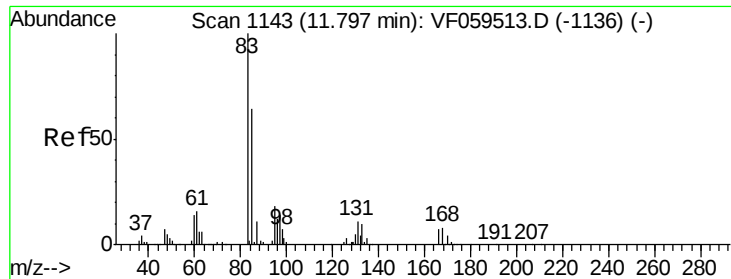
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.410 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

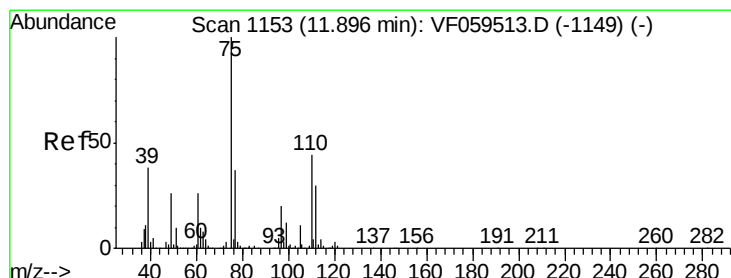
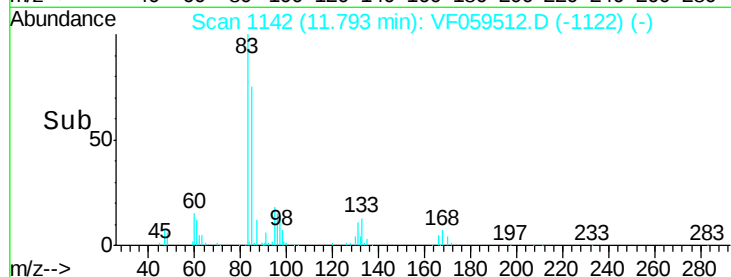
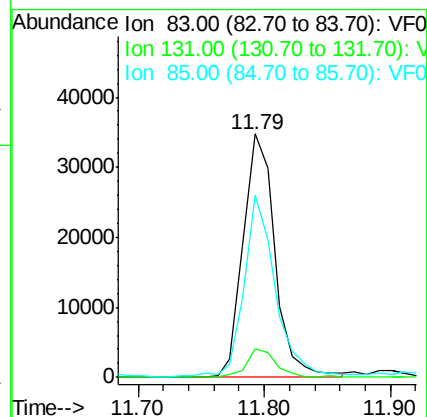
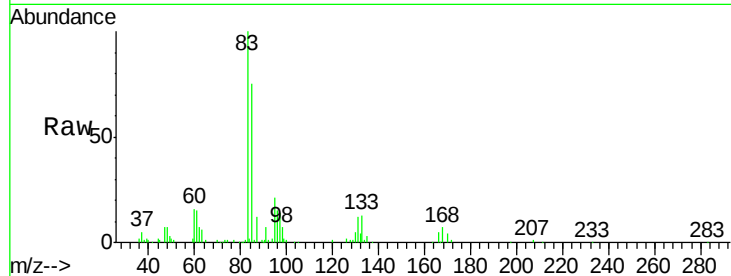
Tot Ion: 83 Resp: 61014

Ion Ratio Lower Upper

83 100

131 12.0 5.7 17.1

85 75.0 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 20.791 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059512.D

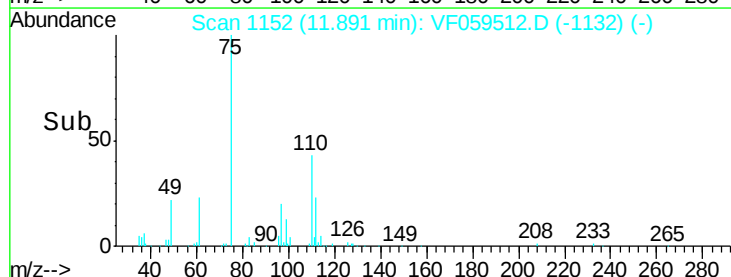
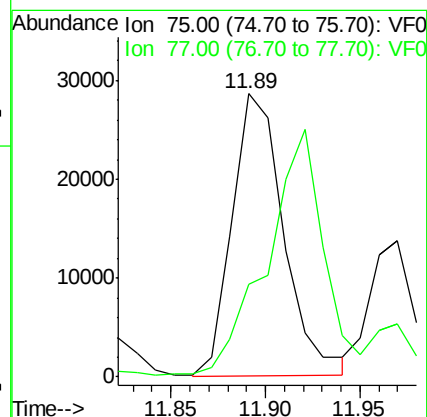
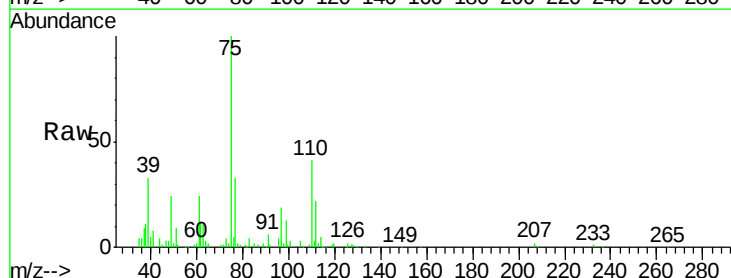
Acq: 17 Jul 2018 17:34

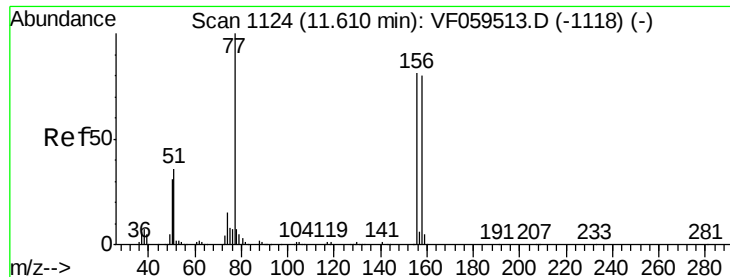
Tgt Ion: 75 Resp: 53886

Ion Ratio Lower Upper

75 100

77 32.6 18.7 56.1





#77

Bromobenzene

Concen: 21.592 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

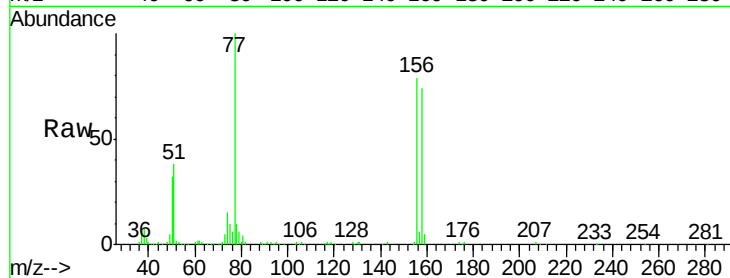
Tot Ion:156 Resp: 87218

Ion Ratio Lower Upper

156 100

77 127.2 62.0 186.0

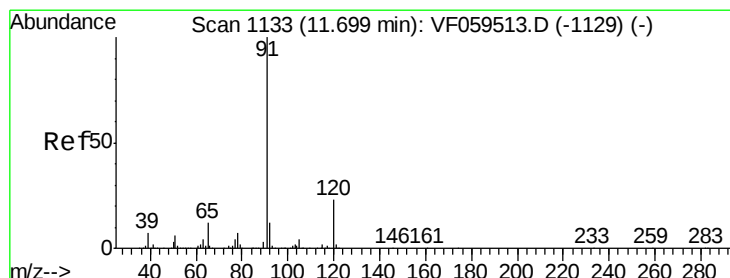
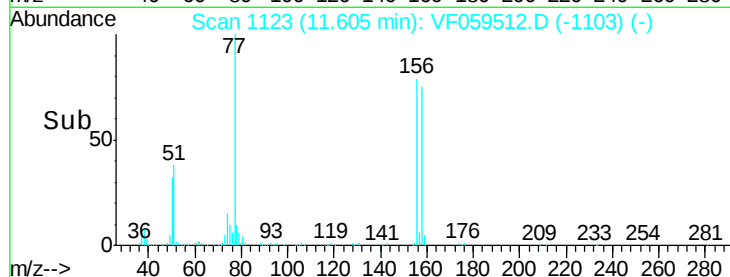
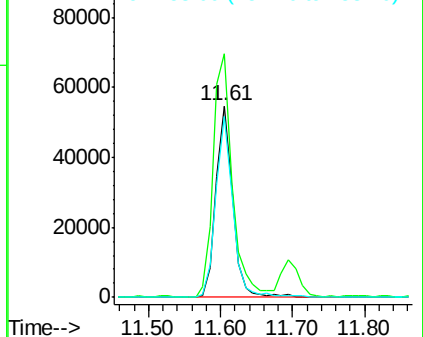
158 94.7 49.8 149.3



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: 21.719 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059512.D

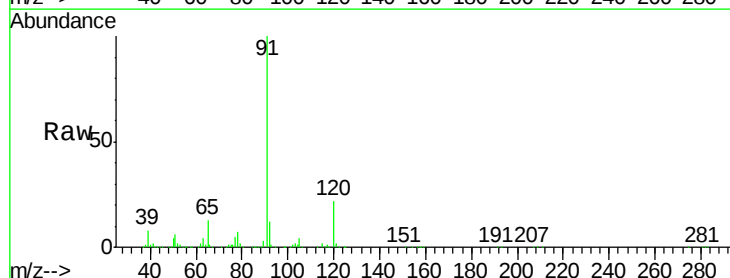
Acq: 17 Jul 2018 17:34

Tgt Ion: 91 Resp: 360454

Ion Ratio Lower Upper

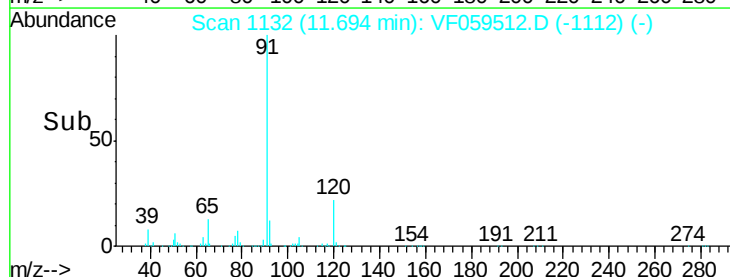
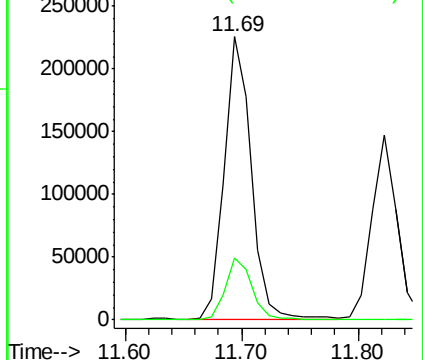
91 100

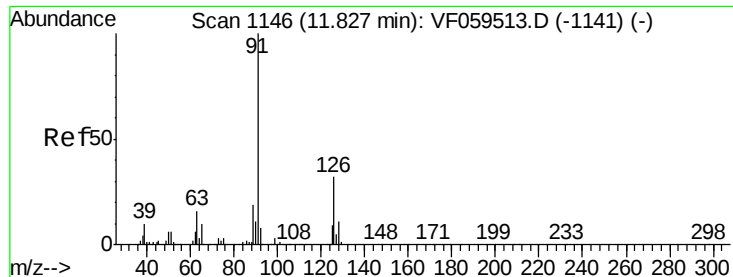
120 21.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

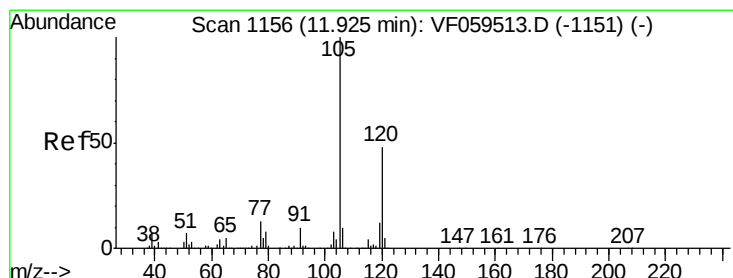
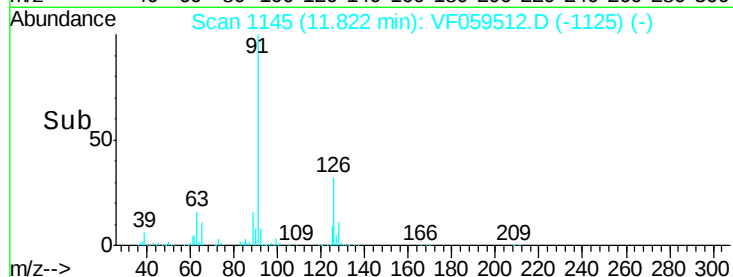
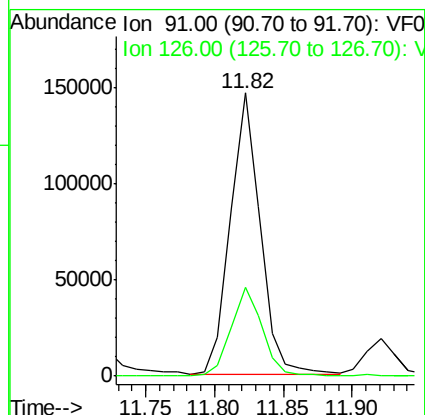
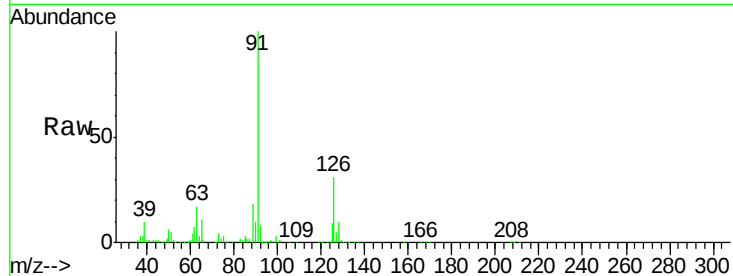




#79
 2-Chlorotoluene
 Concen: 21.963 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

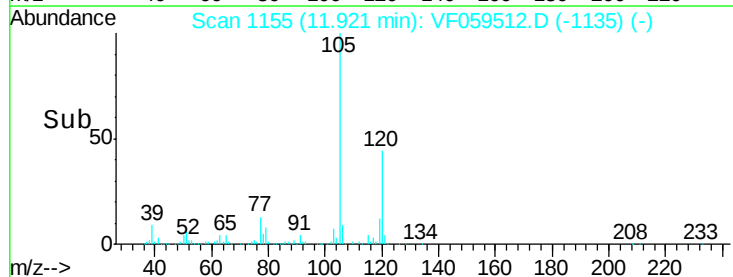
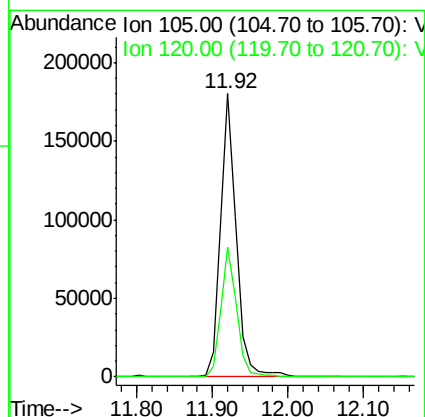
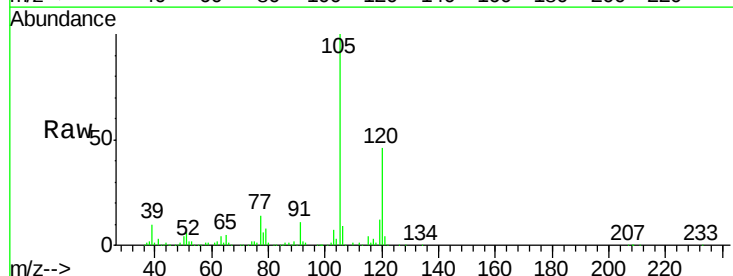
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

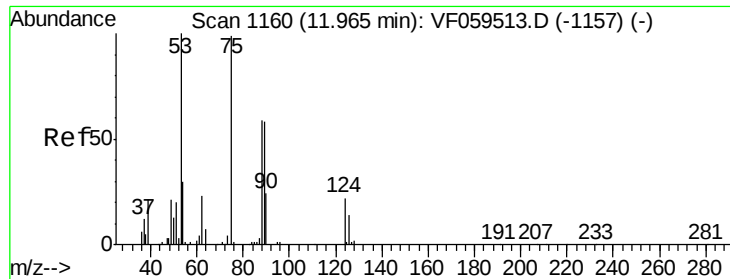
Tot Ion: 91 Resp: 220298
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.710 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion: 105 Resp: 267567
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 26.500 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

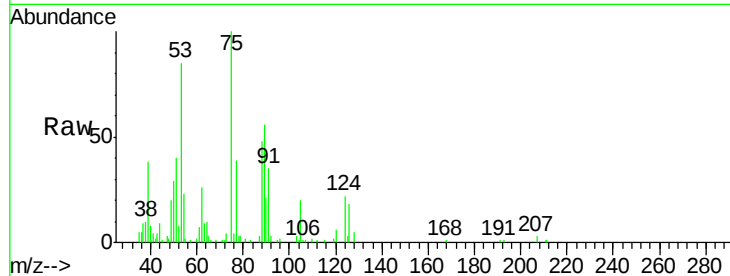
Tot Ion: 75 Resp: 32564

Ion Ratio Lower Upper

75 100

53 84.9 84.6 127.0

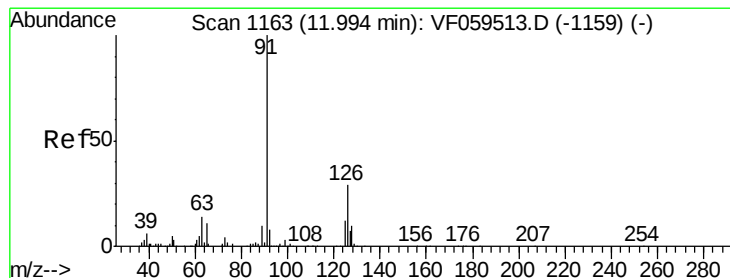
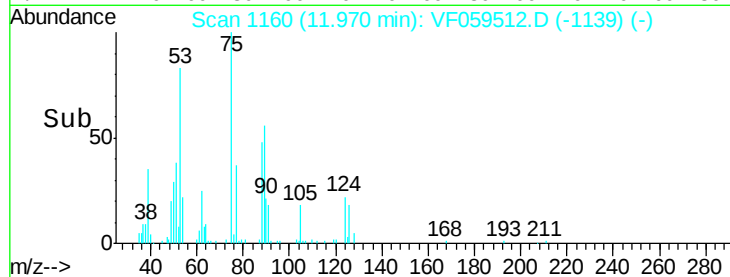
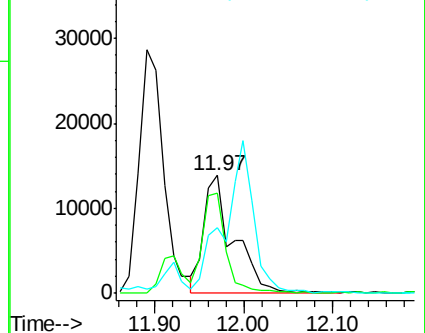
89 56.2 48.2 72.4



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: 21.433 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059512.D

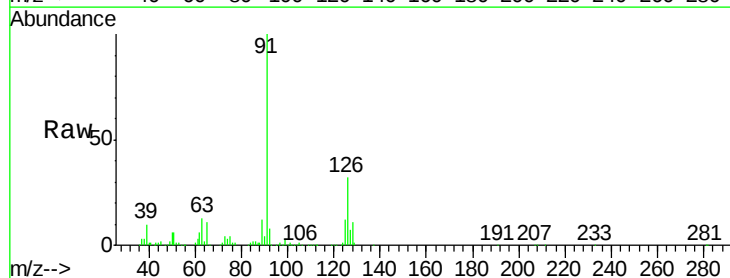
Acq: 17 Jul 2018 17:34

Tgt Ion: 91 Resp: 249090

Ion Ratio Lower Upper

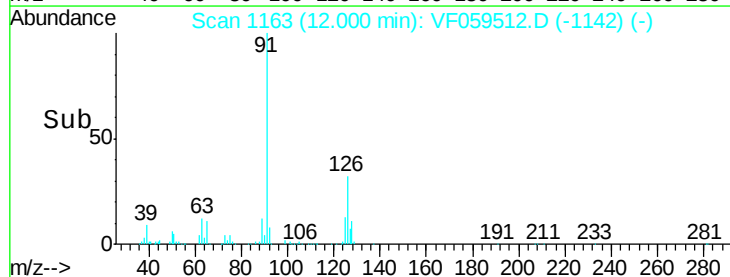
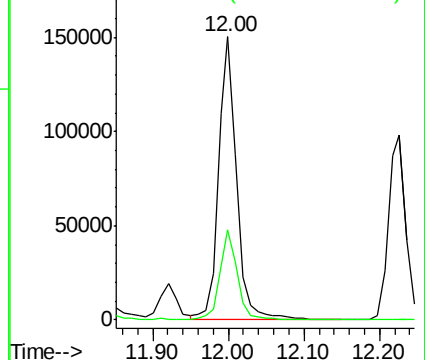
91 100

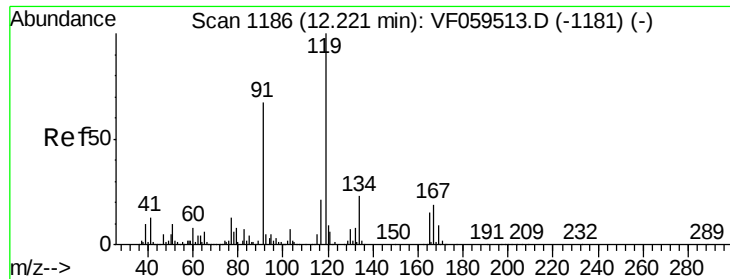
126 32.0 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

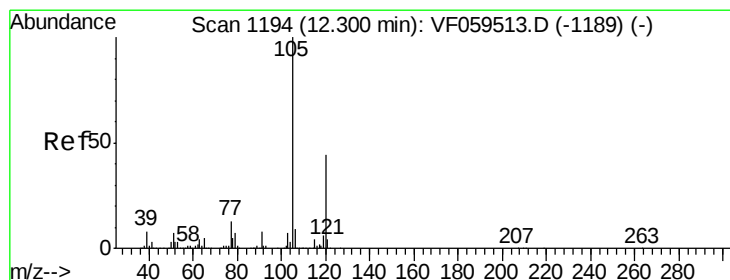
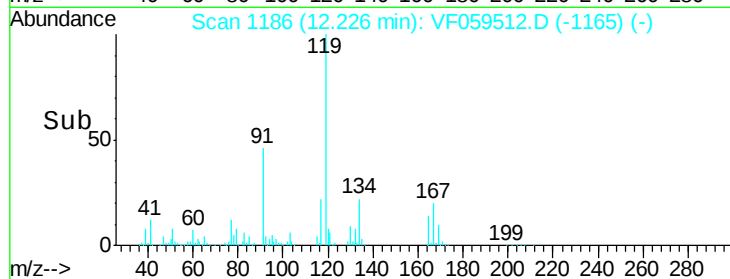
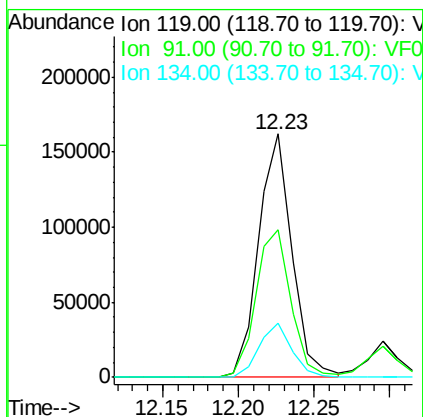
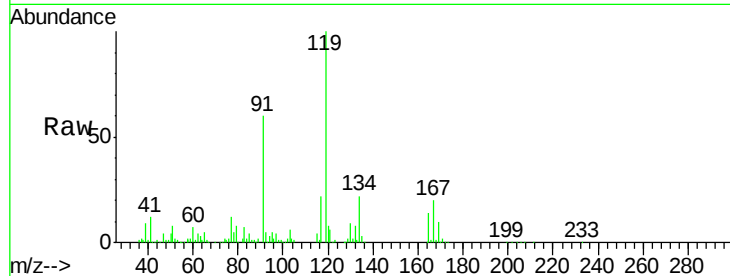




#83
tert-Butylbenzene
Concen: 21.698 ug/l
RT: 12.23 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

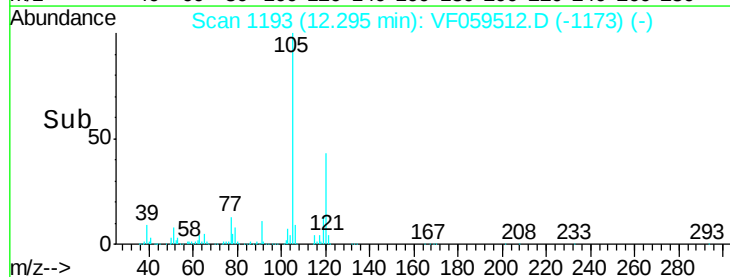
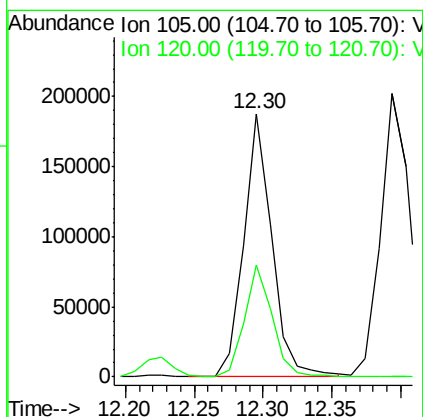
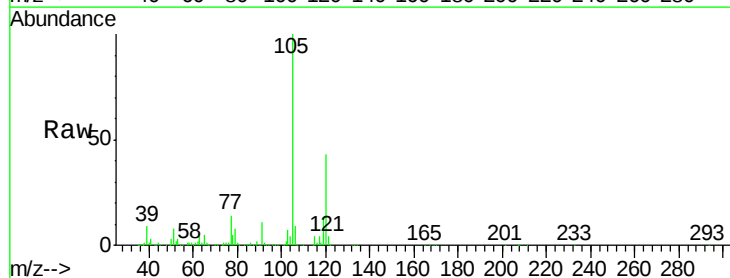
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

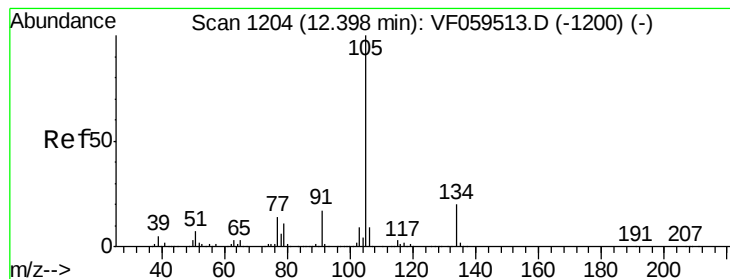
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	33.5	100.5
134	22.2	11.3	33.8



#84
1,2,4-Trimethylbenzene
Concen: 21.738 ug/l
RT: 12.30 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF059512.D
Acq: 17 Jul 2018 17:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.5	67.5





#85

sec-Butylbenzene

Concen: 21.062 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

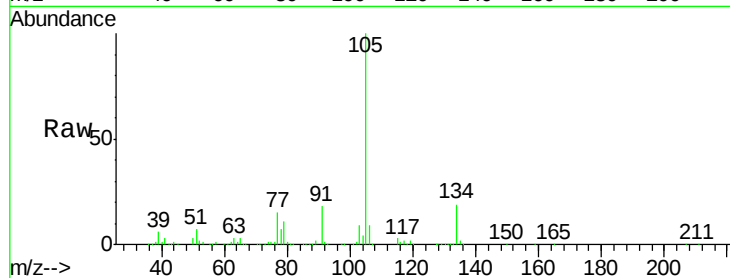
VSTDIC020

Tot Ion:105 Resp: 306884

Ion Ratio Lower Upper

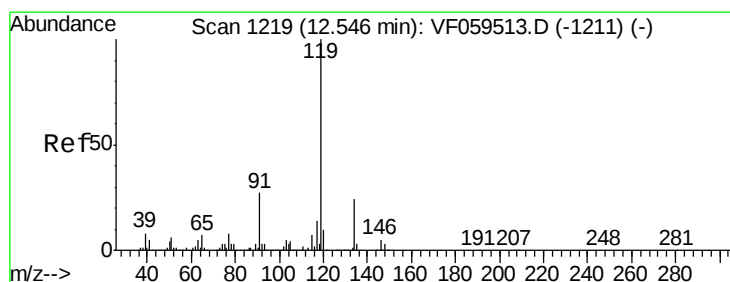
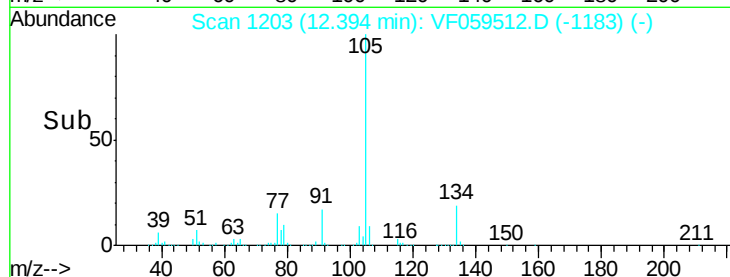
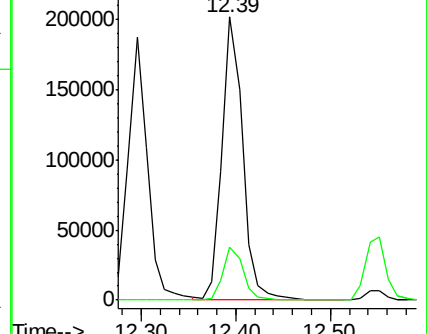
105 100

134 18.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.206 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

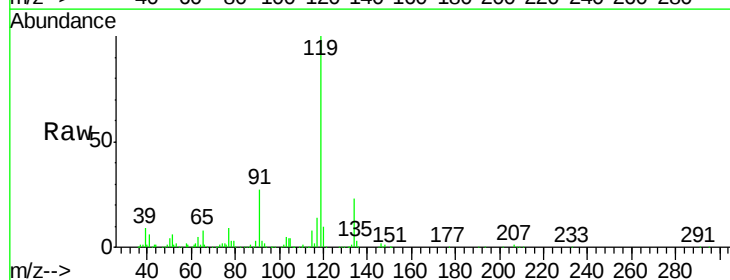
Tgt Ion:119 Resp: 286199

Ion Ratio Lower Upper

119 100

134 23.2 12.0 36.0

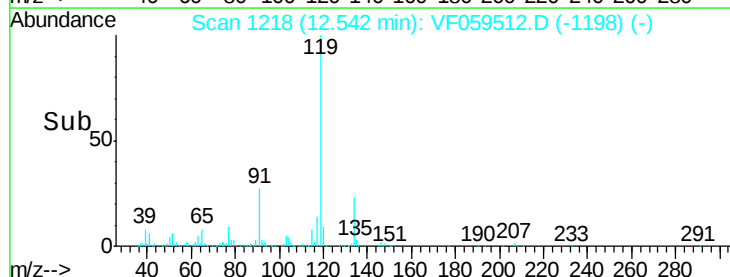
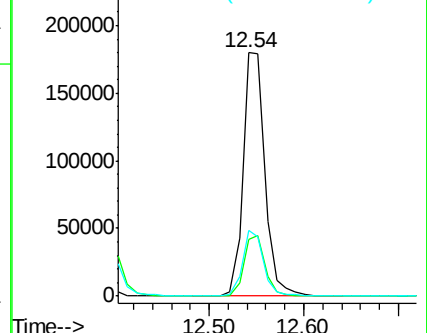
91 27.0 13.5 40.4

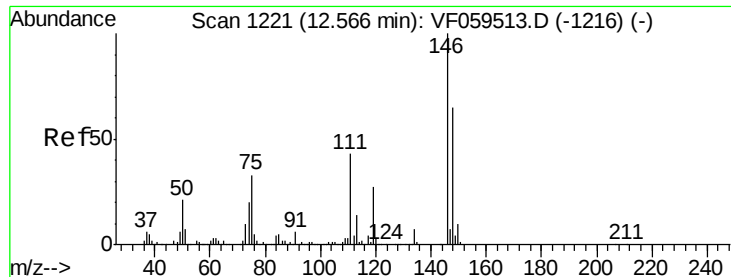


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 21.092 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

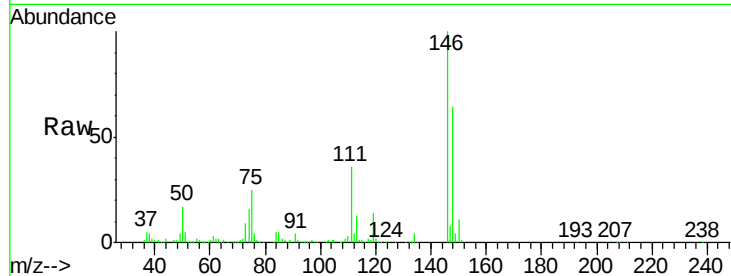
Tot Ion:146 Resp: 145882

Ion Ratio Lower Upper

146 100

111 35.8 21.4 64.3

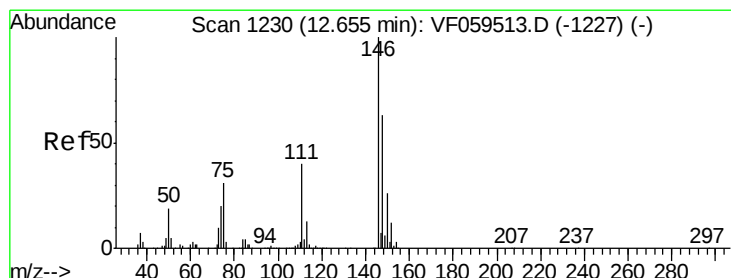
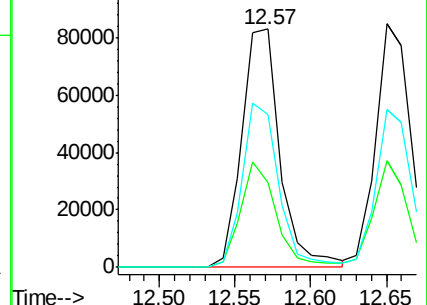
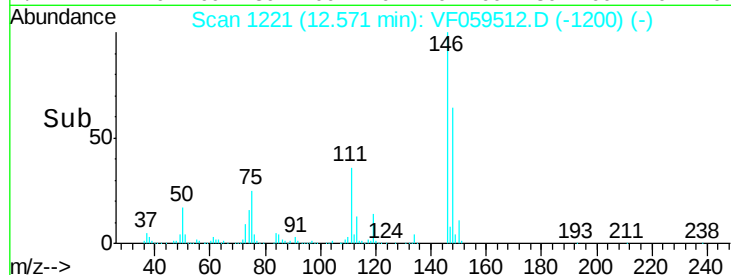
148 64.0 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.385 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

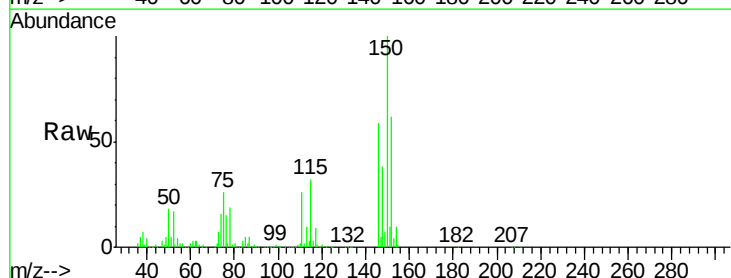
Tgt Ion:146 Resp: 143120

Ion Ratio Lower Upper

146 100

111 44.0 20.0 59.9

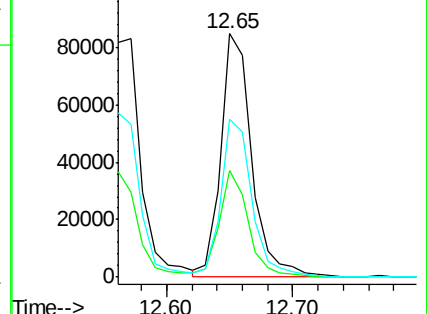
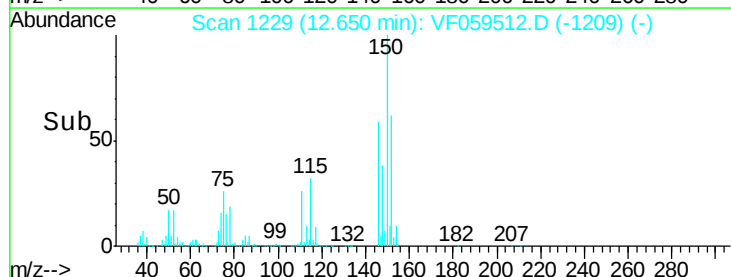
148 65.0 31.5 94.5

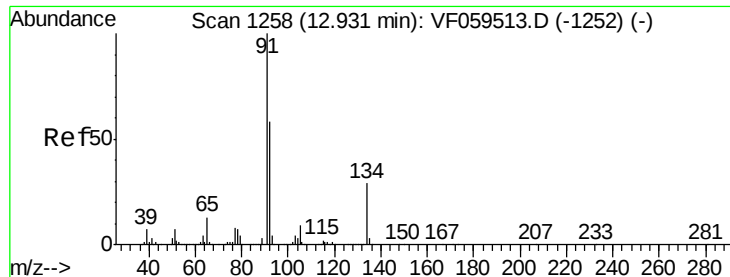


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.007 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

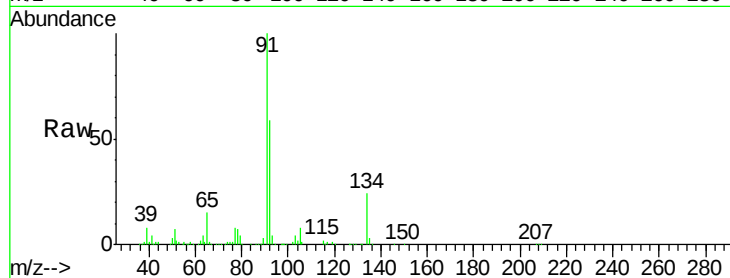
Tot Ion: 91 Resp: 260418

Ion Ratio Lower Upper

91 100

92 59.1 29.1 87.3

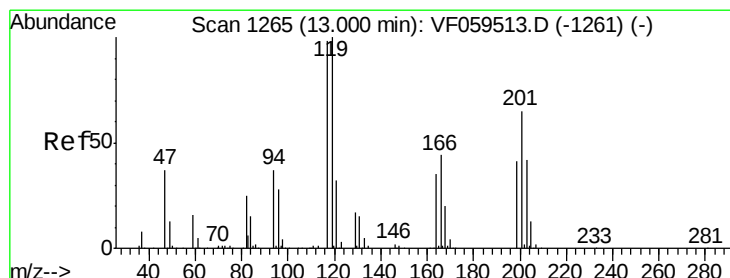
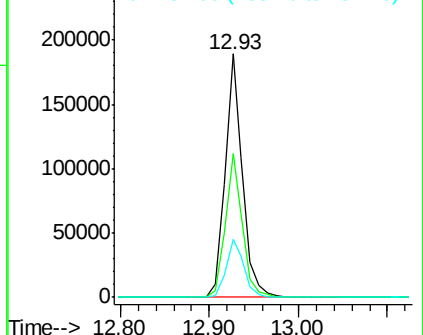
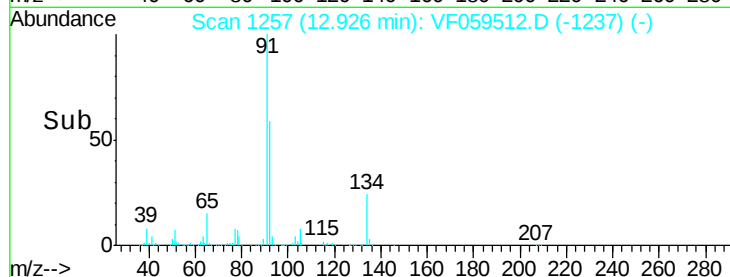
134 23.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.822 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059512.D

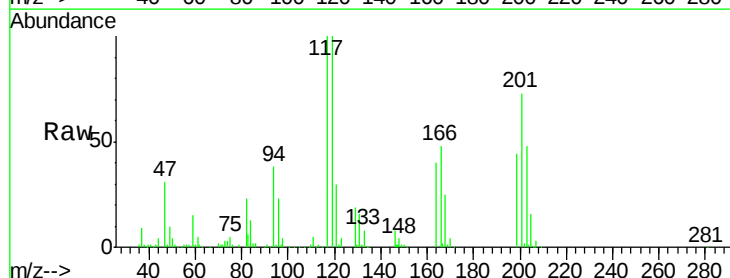
Acq: 17 Jul 2018 17:34

Tgt Ion: 117 Resp: 63322

Ion Ratio Lower Upper

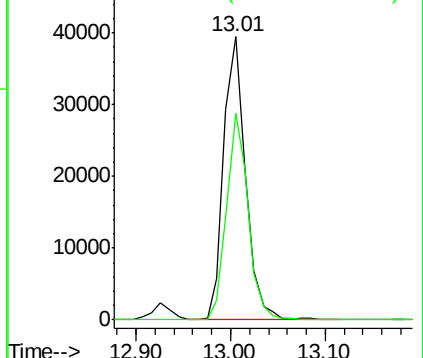
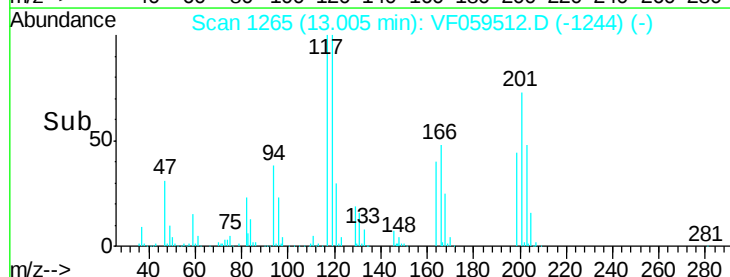
117 100

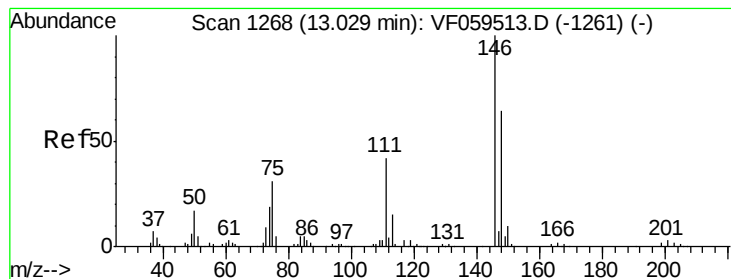
201 72.8 32.6 98.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.115 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

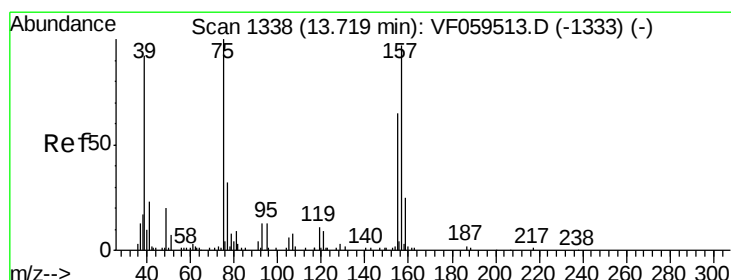
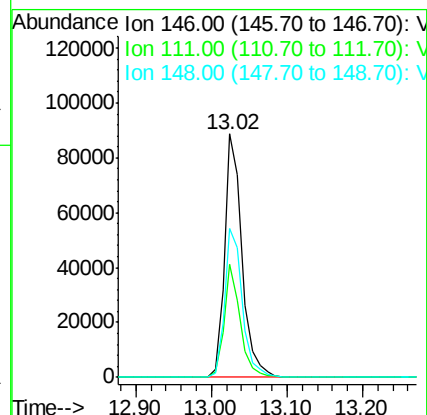
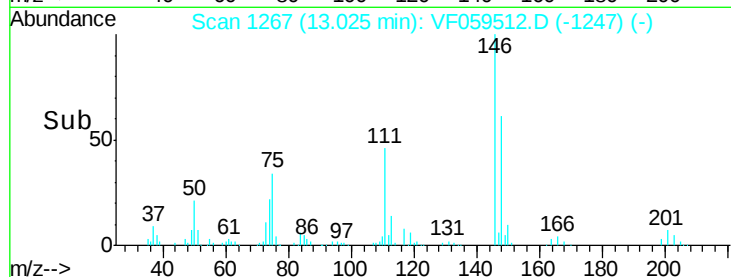
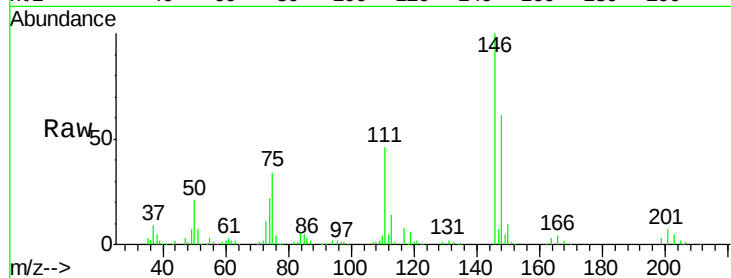
Tot Ion:146 Resp: 142593

Ion Ratio Lower Upper

146 100

111 46.3 21.1 63.1

148 61.3 32.3 96.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.628 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

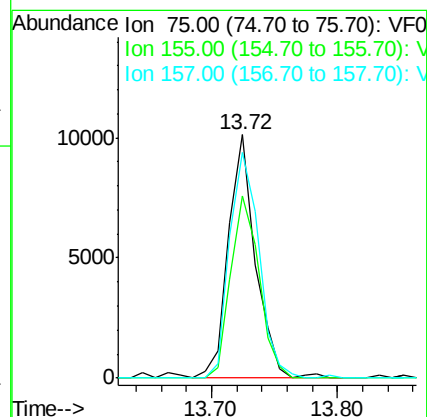
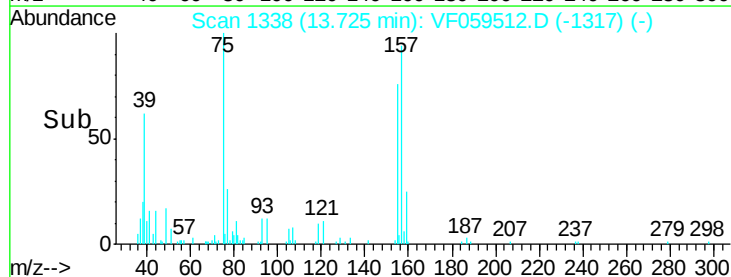
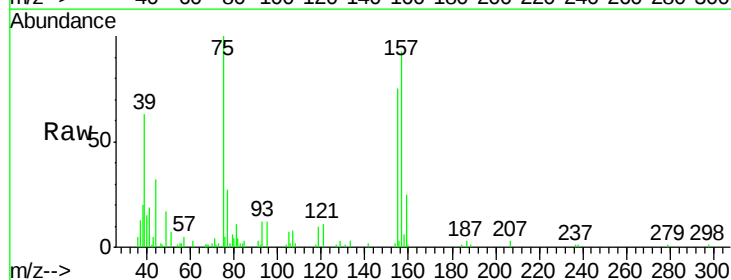
Tgt Ion: 75 Resp: 15095

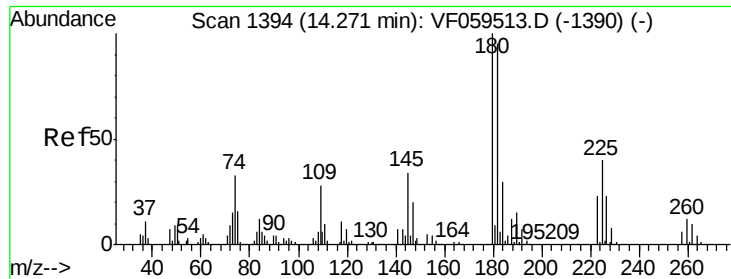
Ion Ratio Lower Upper

75 100

155 78.4 32.8 98.3

157 92.8 48.5 145.5

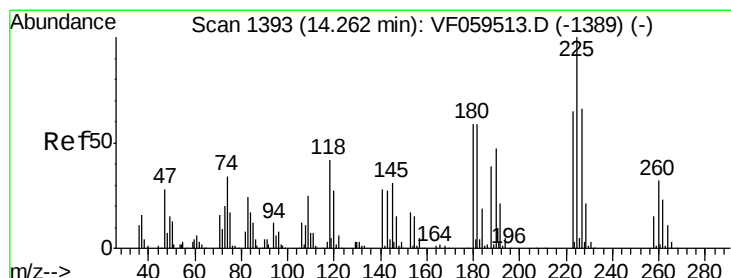
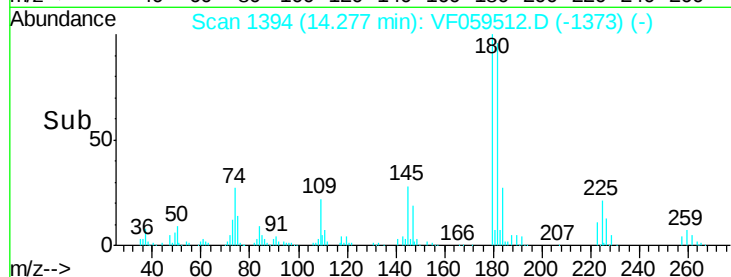
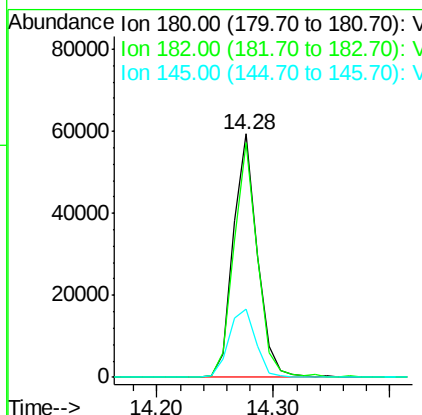
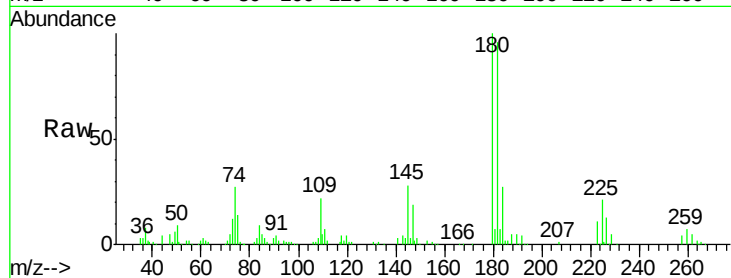




#93
 1,2,4-Trichlorobenzene
 Concen: 21.148 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

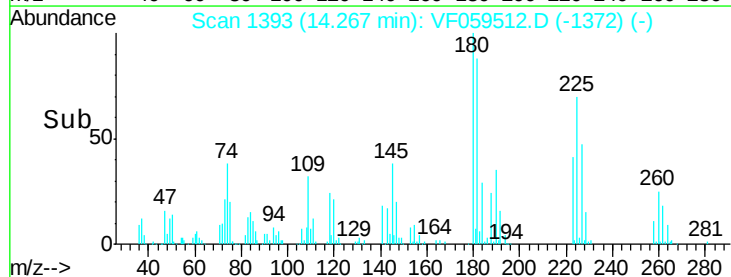
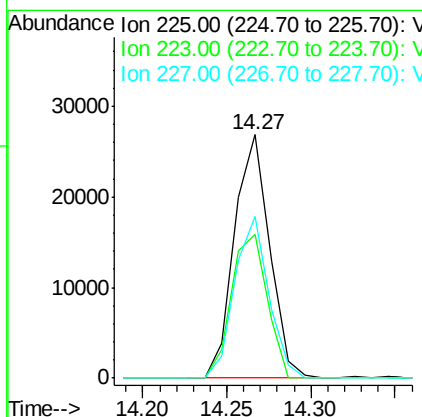
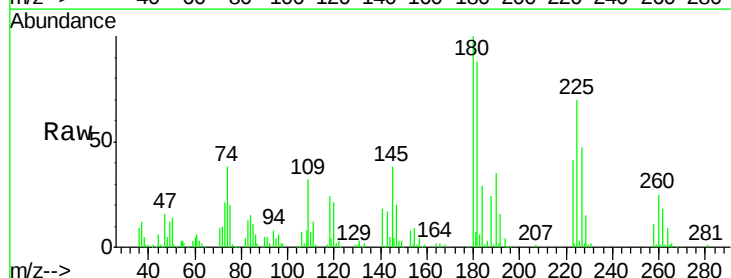
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

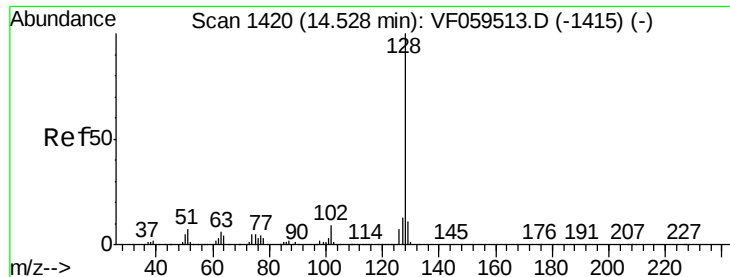
Tot Ion:180 Resp: 85270
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.5 142.5
 145 28.2 17.3 51.7



#94
 Hexachlorobutadiene
 Concen: 21.792 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059512.D
 Acq: 17 Jul 2018 17:34

Tgt Ion:225 Resp: 38887
 Ion Ratio Lower Upper
 225 100
 223 59.1 32.3 96.8
 227 66.6 33.2 99.6





#95

Naphthalene

Concen: 18.952 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

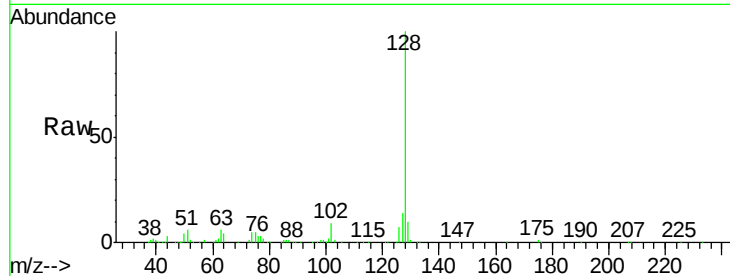
Tot Ion:128 Resp: 162605

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

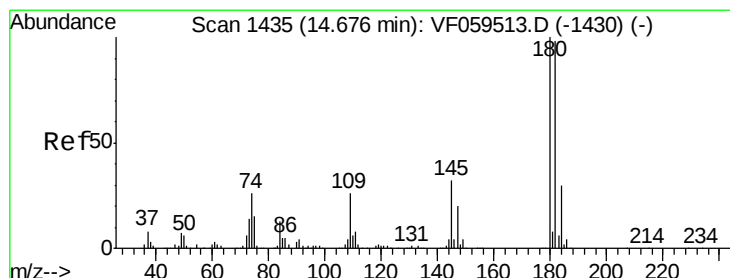
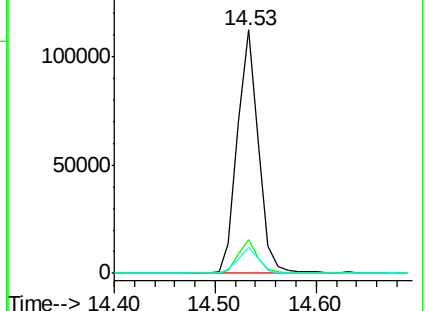
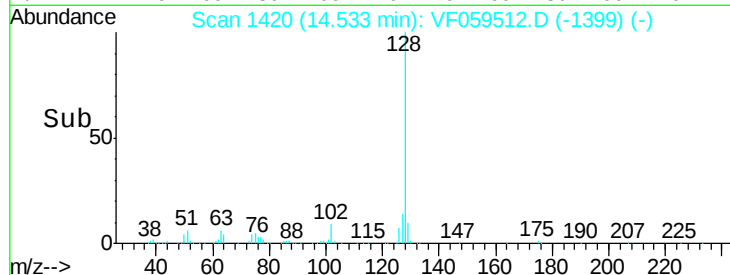
129 10.5 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.081 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059512.D

Acq: 17 Jul 2018 17:34

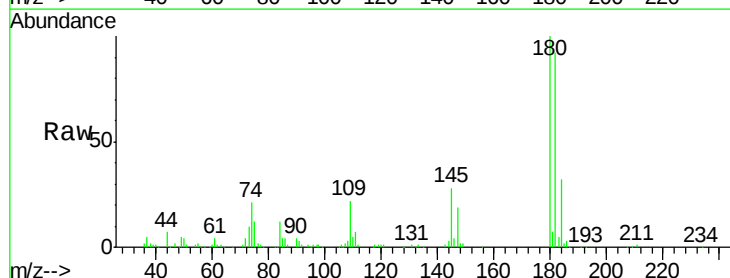
Tgt Ion:180 Resp: 70626

Ion Ratio Lower Upper

180 100

182 92.0 48.8 146.4

145 28.1 16.2 48.6



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

