

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059356.D
 Acq On : 28 Jun 2018 13:14
 Operator : VA/AP
 Sample : VF0628SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

Quant Time: Jun 29 03:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	270816	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	427378	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	422680	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	268113	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	165364	47.26	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	4.29	113	148102	47.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	7.71	98	363961	47.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.52	95	206720	47.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	52193	21.094	ug/l	93
3) Chloromethane	1.09	50	33378	20.080	ug/l	95
4) Vinyl Chloride	1.15	62	34597	21.145	ug/l	99
5) Bromomethane	1.34	94	23386	22.958	ug/l	96
6) Chloroethane	1.43	64	14820	17.983	ug/l	97
7) Trichlorofluoromethane	1.48	101	25754	7.960	ug/l	99
8) Diethyl Ether	1.70	74	16135	19.449	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44374	23.495	ug/l	88
10) Methyl Iodide	1.96	142	71407	20.734	ug/l	89
11) Tert butyl alcohol	2.69	59	24496	105.163	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	36611	22.930	ug/l	92
13) Acrolein	2.09	56	13606	111.814	ug/l	98
14) Allyl chloride	2.19	41	69480	23.182	ug/l	90
15) Acrylonitrile	3.07	53	52847	128.834	ug/l	85
16) Acetone	2.34	43	105940	115.758	ug/l	97
17) Carbon Disulfide	1.87	76	78567	20.919	ug/l	96
18) Methyl Acetate	2.45	43	28760	17.454	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	123491	20.736	ug/l #	88
20) Methylene Chloride	2.28	84	22965	5.062	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	38528	22.621	ug/l	90
22) Diisopropyl ether	2.93	45	138942	20.935	ug/l	96
23) Vinyl Acetate	3.33	43	468460	110.831	ug/l	99
24) 1,1-Dichloroethane	3.00	63	90180	21.915	ug/l	97
25) 2-Butanone	4.51	43	123802	115.487	ug/l	99
26) 2,2-Dichloropropane	3.76	77	69176	24.373	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	58847	22.757	ug/l	78
28) Bromochloromethane	3.89	49	42423	24.698	ug/l	88
29) Tetrahydrofuran	4.25	42	49683	105.271	ug/l	98
30) Chloroform	4.03	83	126481	21.232	ug/l	97
31) Cyclohexane	3.87	56	58704	21.777	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	95752	21.965	ug/l	95
36) 1,1-Dichloropropene	4.47	75	78537	21.036	ug/l	98
37) Ethyl Acetate	4.29	43	56037	22.653	ug/l #	83
38) Carbon Tetrachloride	4.17	117	99648	21.149	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	74421	22.494	ug/l	97
40) Benzene	4.80	78	165099	19.944	ug/l	95
41) Methacrylonitrile	4.92	41	23798	18.686	ug/l #	84
42) 1,2-Dichloroethane	5.12	62	98679	20.400	ug/l	98
43) Isopropyl Acetate	7.11	43	60695	19.517	ug/l #	99
44) Trichloroethene	5.67	130	61226	21.561	ug/l	93
45) 1,2-Dichloropropane	6.40	63	50546	21.372	ug/l	92
46) Dibromomethane	6.25	93	42843	20.871	ug/l	94
47) Bromodichloromethane	6.55	83	99657	20.055	ug/l	92
48) Methyl methacrylate	6.87	41	38872	18.650	ug/l	98
49) 1,4-Dioxane	6.86	88	5311	454.360	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	237864	103.244	ug/l	100
52) Toluene	7.78	92	126413	20.408	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	95095	20.995	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	96476	19.609	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	51062	21.232	ug/l	95
56) Ethyl methacrylate	8.76	69	56548	18.981	ug/l	96
57) 1,3-Dichloropropane	9.00	76	85308	20.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	22358	100.062	ug/l	100
59) 2-Hexanone	9.63	43	197960	104.541	ug/l	97
60) Dibromochloromethane	8.86	129	75968	20.460	ug/l	89
61) 1,2-Dibromoethane	9.13	107	58673	20.116	ug/l	93
64) Tetrachloroethene	8.30	164	59453	21.687	ug/l	99
65) Chlorobenzene	9.94	112	164440	20.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	73408	21.670	ug/l	94
67) Ethyl Benzene	10.04	91	287198	21.615	ug/l	98
68) m/p-Xylenes	10.27	106	207704	43.919	ug/l	99
69) o-Xylene	10.83	106	112315	21.233	ug/l	98
70) Styrene	10.90	104	169823	21.076	ug/l	97
71) Bromoform	10.89	173	47852	20.609	ug/l	98
73) Isopropylbenzene	11.23	105	341709	21.877	ug/l	99
74) N-amyl acetate	11.47	43	115351	20.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	79899	20.254	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	60528	20.341	ug/l	97
77) Bromobenzene	11.59	156	88719	20.473	ug/l	96
78) n-propylbenzene	11.69	91	413400	22.038	ug/l	99
79) 2-Chlorotoluene	11.81	91	244042	21.294	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	292558	21.382	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	37435	21.137	ug/l	90
82) 4-Chlorotoluene	11.99	91	267126	21.761	ug/l	91
83) tert-Butylbenzene	12.22	119	305991	22.361	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	308314	21.396	ug/l	96
85) sec-Butylbenzene	12.39	105	402219	22.174	ug/l	99
86) p-Isopropyltoluene	12.54	119	336984	22.137	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	173695	21.671	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	163291	21.099	ug/l	96
89) n-Butylbenzene	12.92	91	306248	19.818	ug/l	96
90) Hexachloroethane	12.99	117	62972	16.598	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	183569	23.334	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15276	17.469	ug/l	67

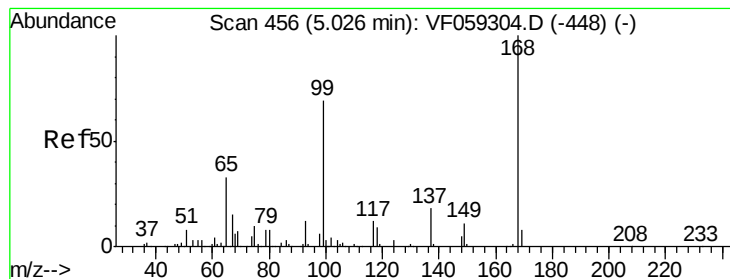
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	123429	21.218	ug/l	94
94) Hexachlorobutadiene	14.26	225	70856	21.807	ug/l	93
95) Naphthalene	14.53	128	236609	19.440	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	112978	20.502	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

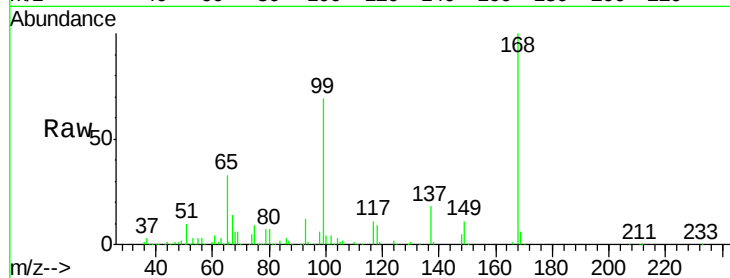
VF0628SBS01

Tot Ion:168 Resp: 270816

Ion Ratio Lower Upper

168 100

99 68.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

60000

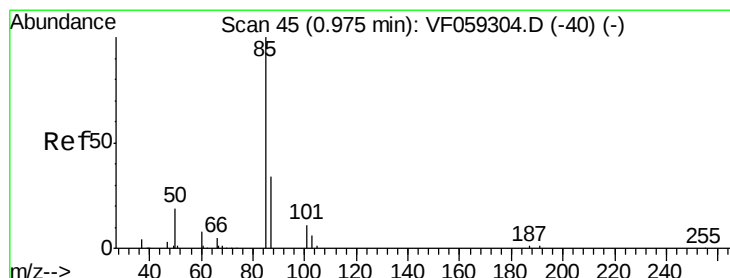
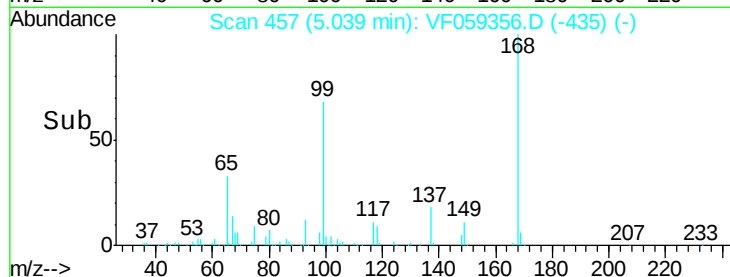
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.094 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059356.D

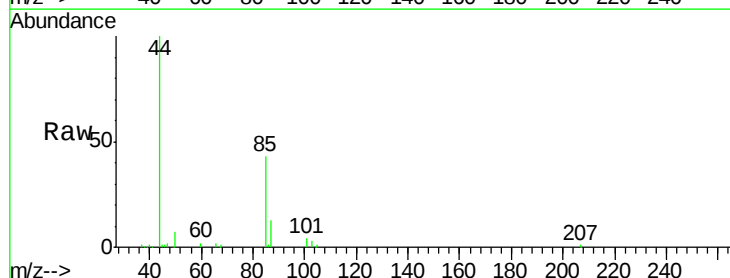
Acq: 28 Jun 2018 13:14

Tgt Ion: 85 Resp: 52193

Ion Ratio Lower Upper

85 100

87 30.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

15000

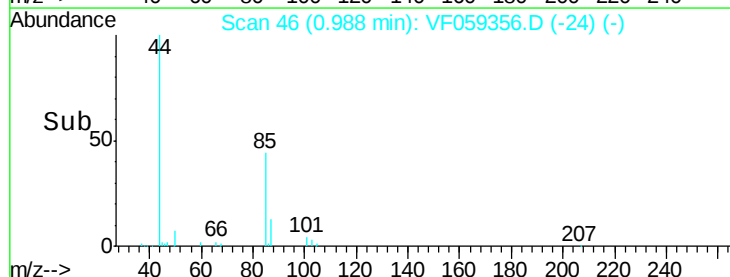
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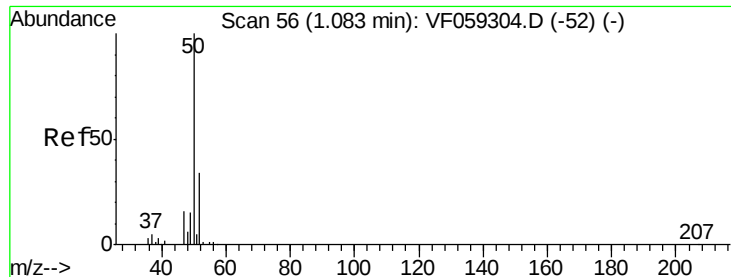
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.080 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

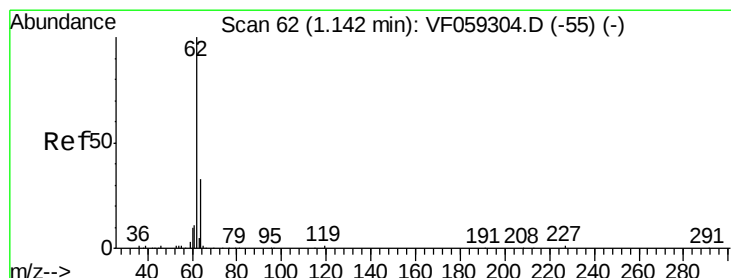
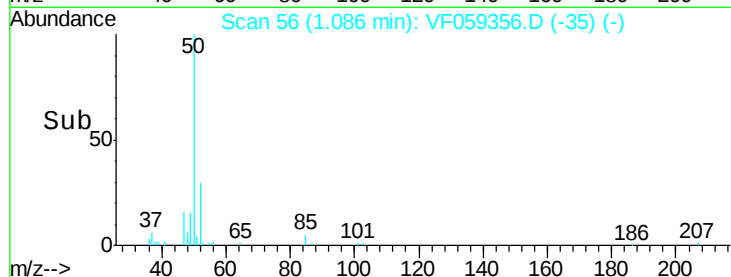
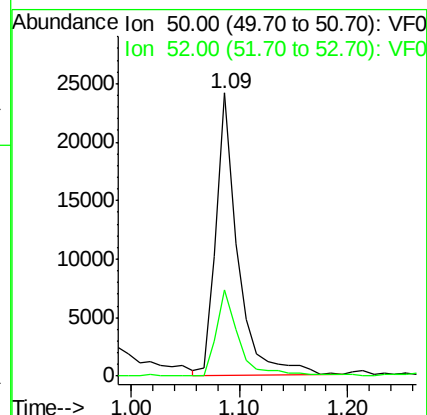
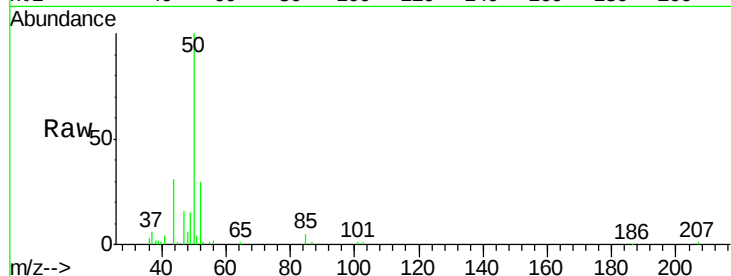
VF0628SBS01

Tot Ion: 50 Resp: 33378

Ion Ratio Lower Upper

50 100

52 30.4 26.7 40.1



#4

Vinyl Chloride

Concen: 21.145 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059356.D

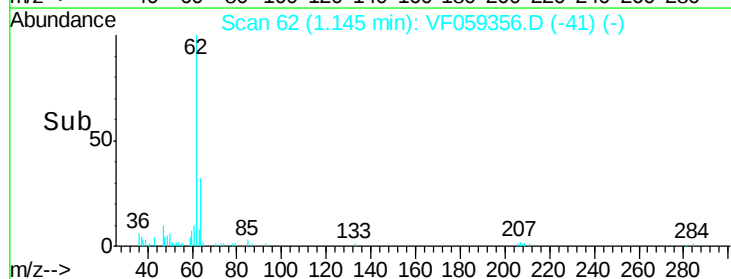
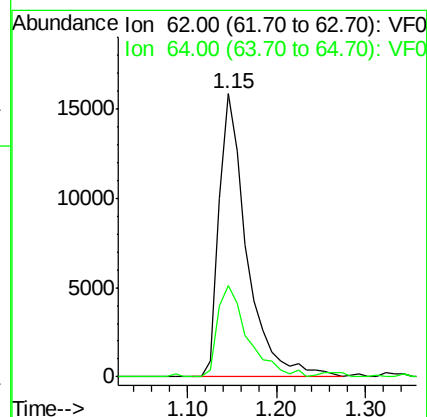
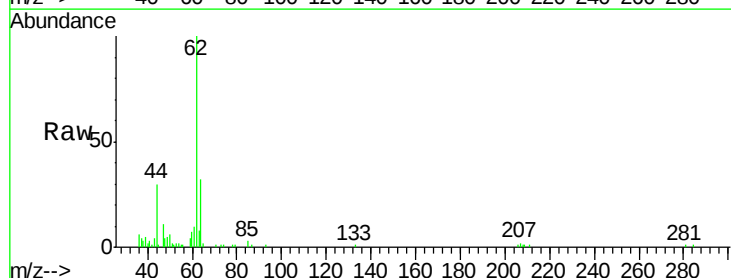
Acq: 28 Jun 2018 13:14

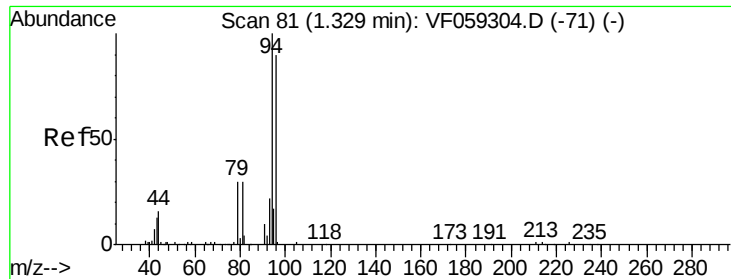
Tgt Ion: 62 Resp: 34597

Ion Ratio Lower Upper

62 100

64 32.4 26.3 39.5





#5

Bromomethane

Concen: 22.958 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

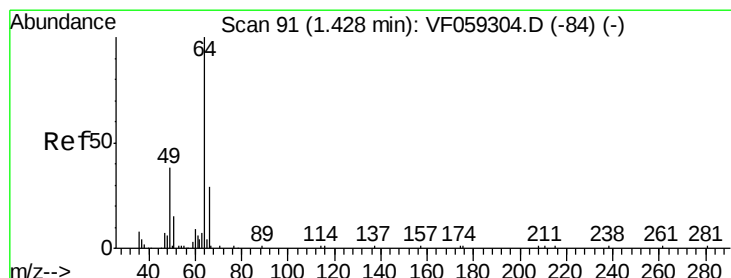
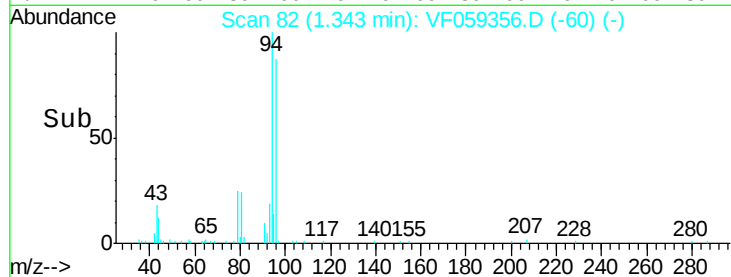
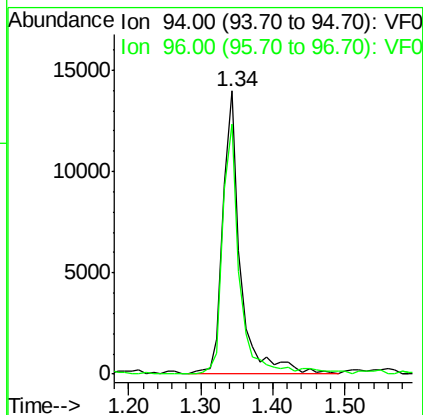
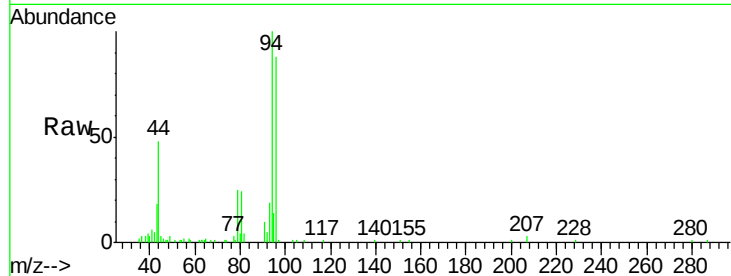
VF0628SBS01

Tot Ion: 94 Resp: 23386

Ion Ratio Lower Upper

94 100

96 88.3 73.4 110.0



#6

Chloroethane

Concen: 17.983 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059356.D

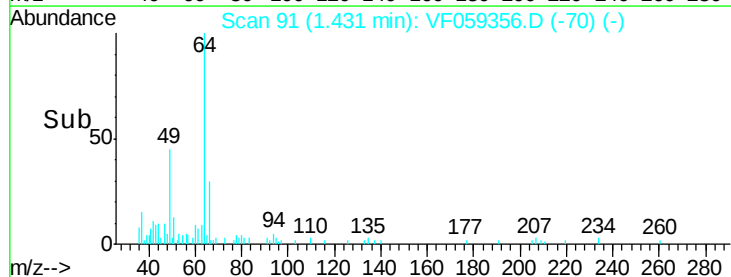
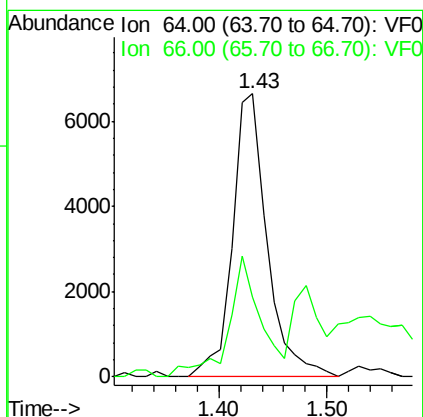
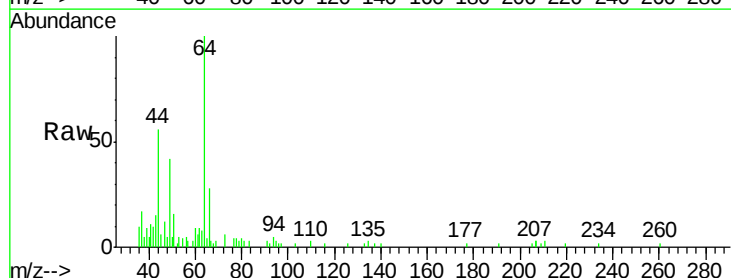
Acq: 28 Jun 2018 13:14

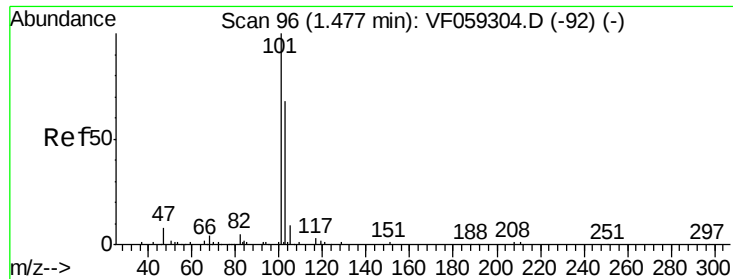
Tgt Ion: 64 Resp: 14820

Ion Ratio Lower Upper

64 100

66 28.2 23.9 35.9





#7

Trichlorofluoromethane

Concen: 7.960 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

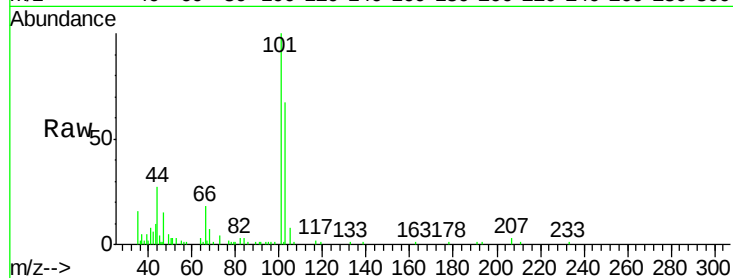
VF0628SBS01

Tot Ion:101 Resp: 25754

Ion Ratio Lower Upper

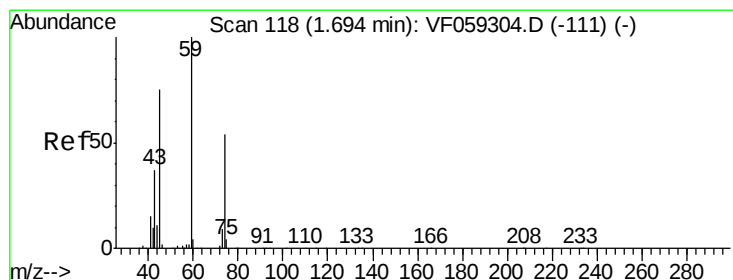
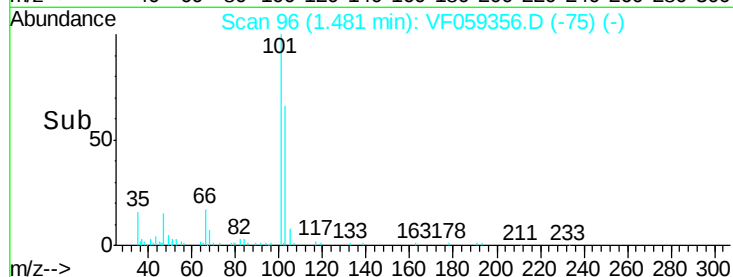
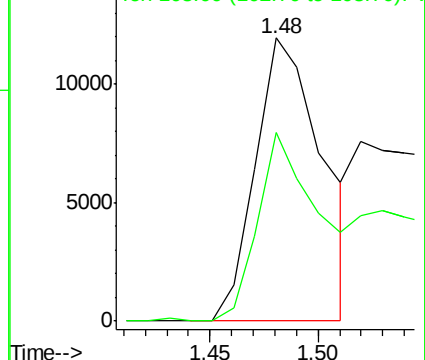
101 100

103 66.8 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.449 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059356.D

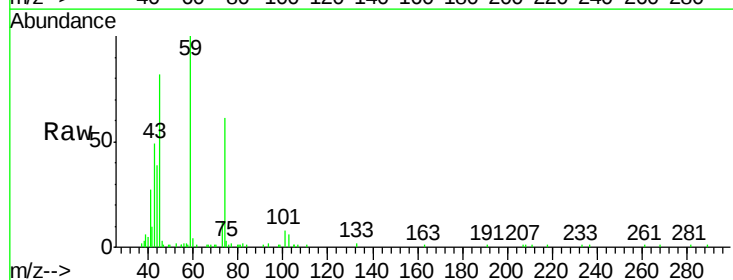
Acq: 28 Jun 2018 13:14

Tgt Ion: 74 Resp: 16135

Ion Ratio Lower Upper

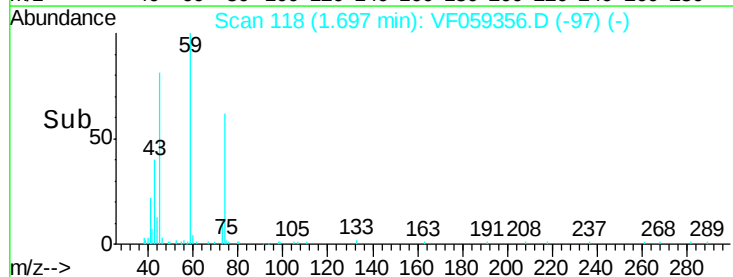
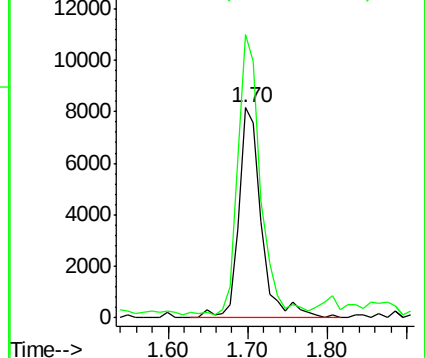
74 100

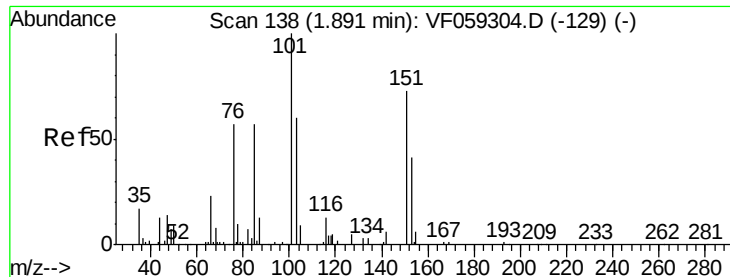
45 134.7 70.0 210.0



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: 23.495 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

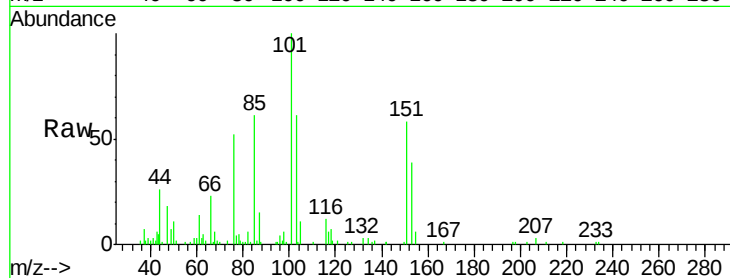
Tot Ion:101 Resp: 44374

Ion Ratio Lower Upper

101 100

85 61.0 44.5 66.7

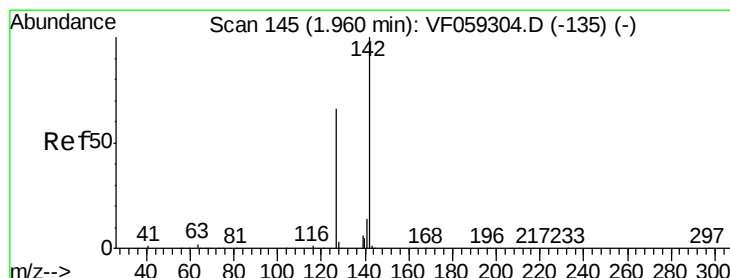
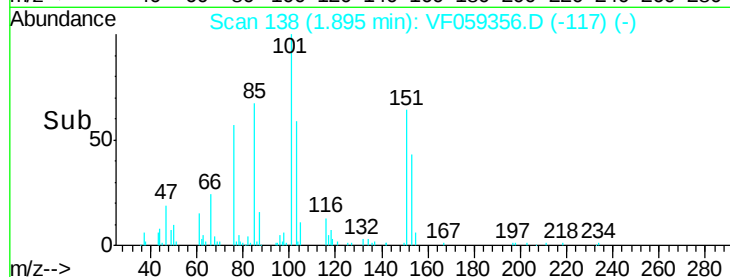
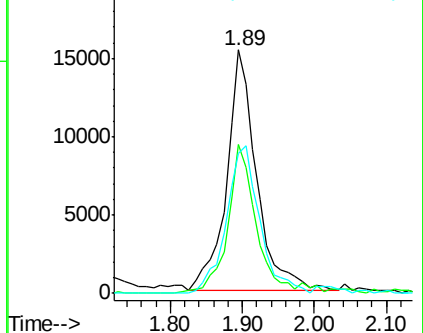
151 57.5 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.734 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

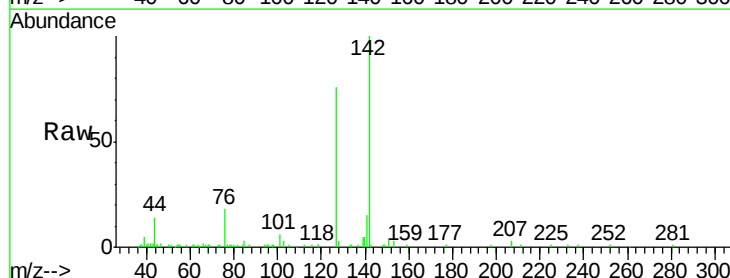
Tgt Ion:142 Resp: 71407

Ion Ratio Lower Upper

142 100

127 76.4 52.5 78.7

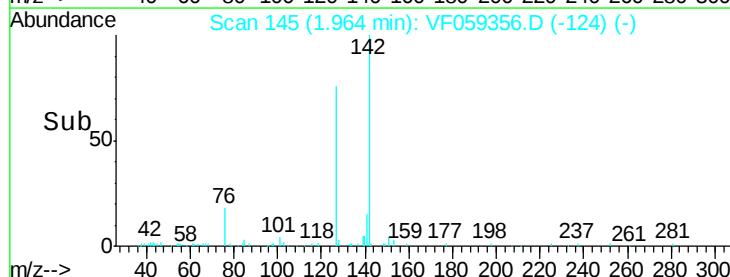
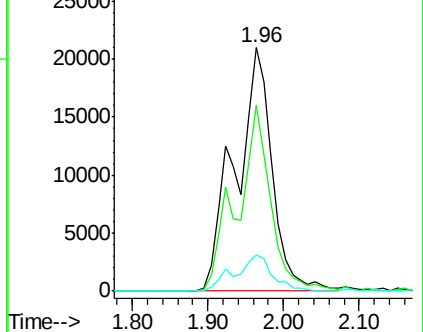
141 15.1 11.5 17.3

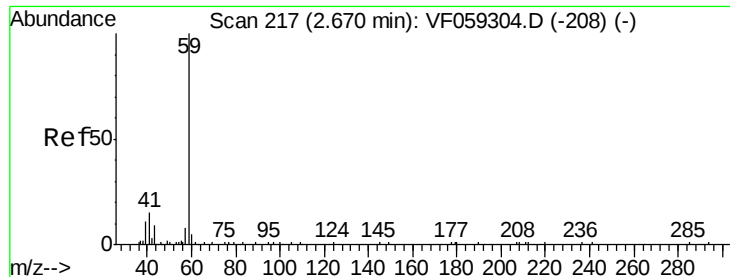


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



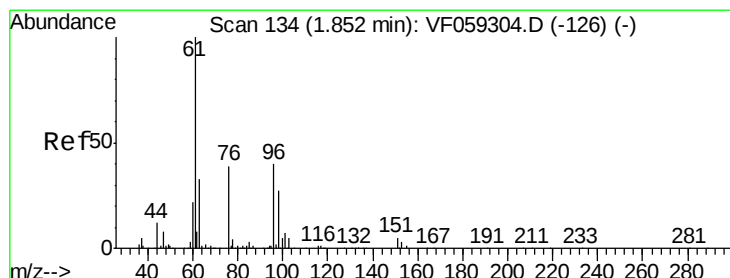
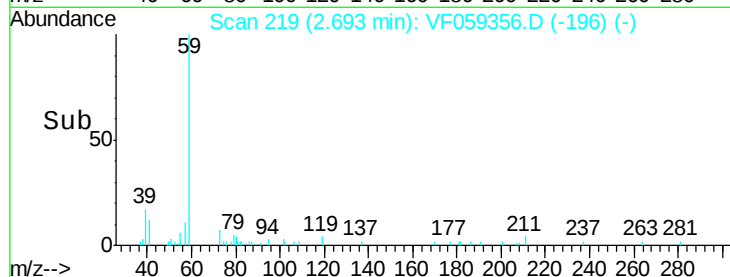
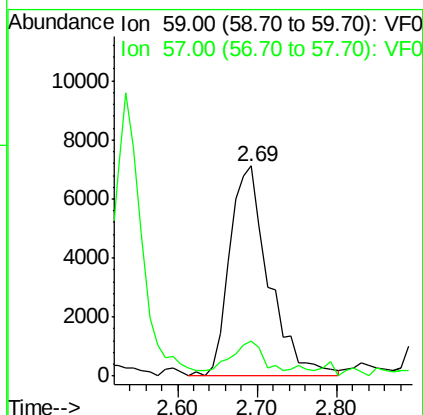
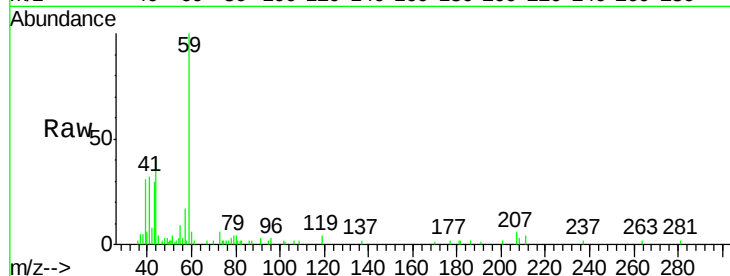


#11

Tert butyl alcohol
 Concen: 105.163 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.02 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampled :
 VF0628SBS01

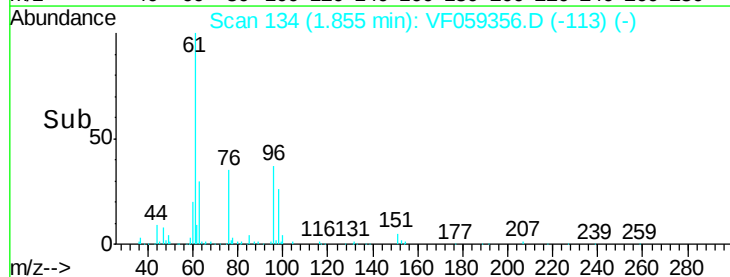
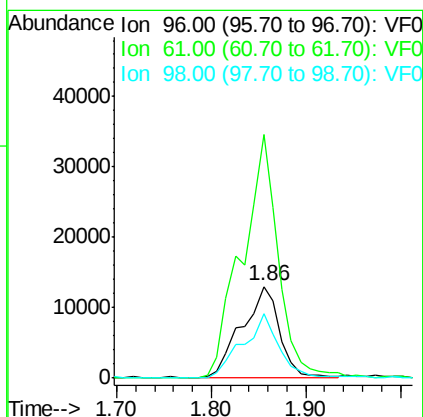
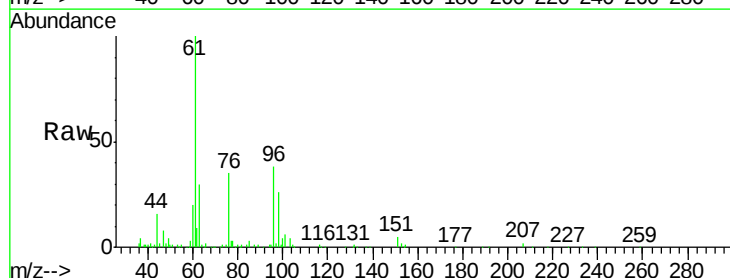
Tot Ion: 59 Resp: 24496
 Ion Ratio Lower Upper
 59 100
 57 16.6 11.0 16.4#

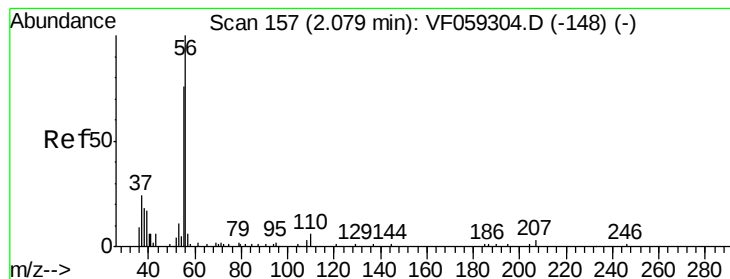


#12

1,1-Dichloroethene
 Concen: 22.930 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion: 96 Resp: 36611
 Ion Ratio Lower Upper
 96 100
 61 266.5 201.1 301.7
 98 70.2 53.9 80.9





#13

Acrolein

Concen: 111.814 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

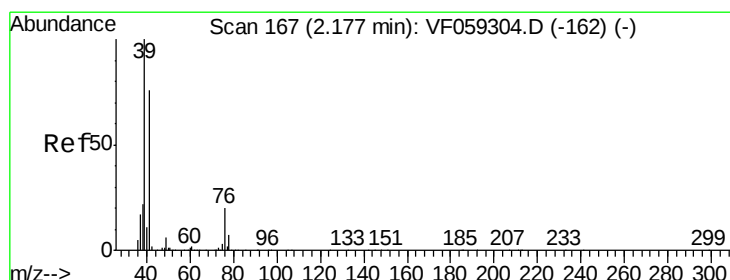
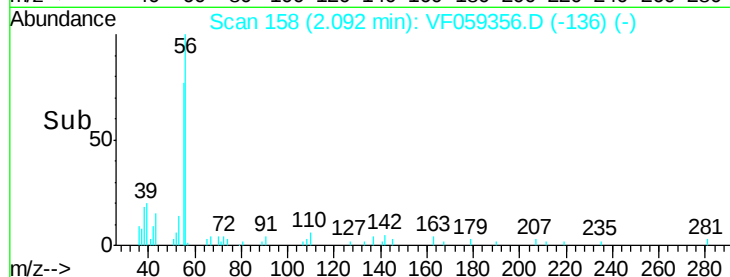
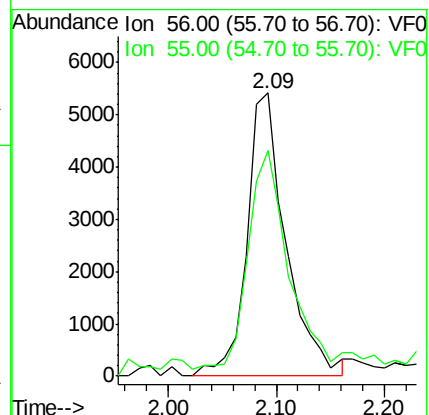
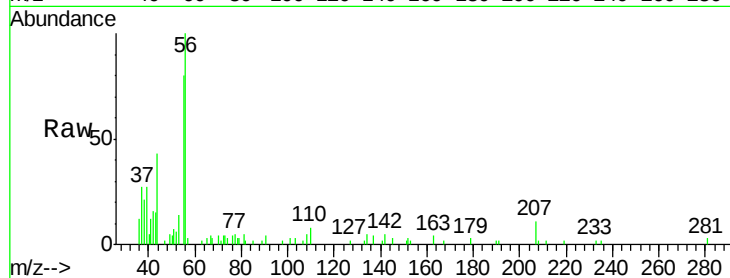
VF0628SBS01

Tot Ion: 56 Resp: 13606

Ion Ratio Lower Upper

56 100

55 80.0 62.4 93.6



#14

Allyl chloride

Concen: 23.182 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

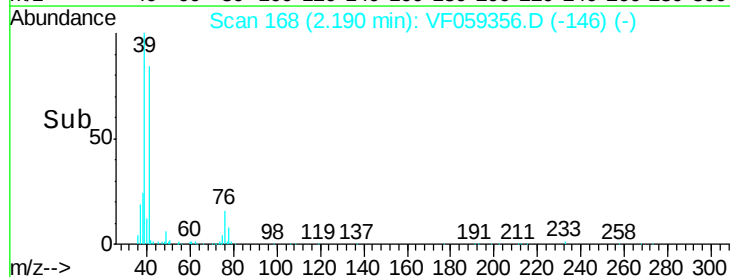
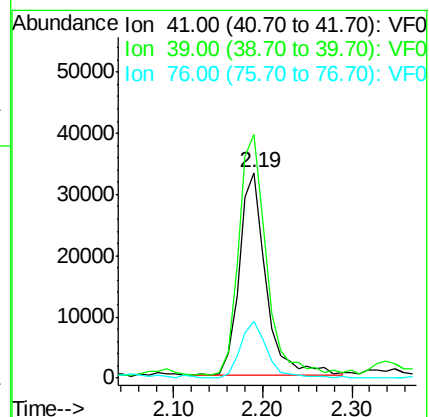
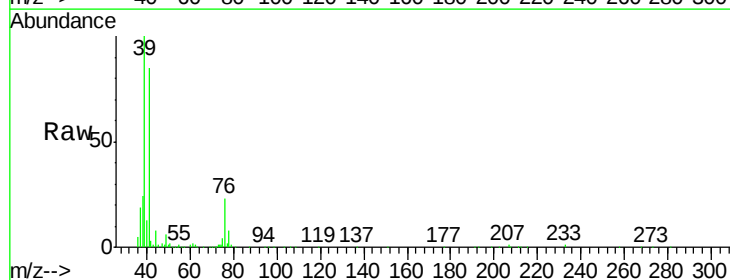
Tgt Ion: 41 Resp: 69480

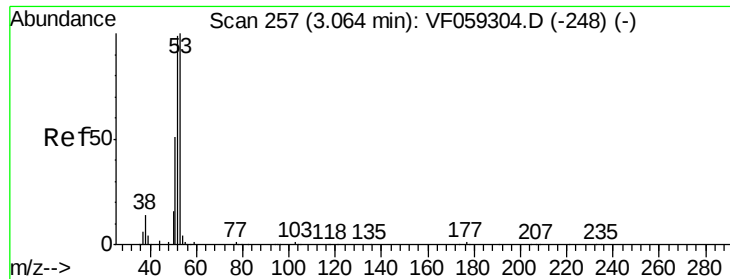
Ion Ratio Lower Upper

41 100

39 118.3 105.6 158.4

76 27.7 21.6 32.4





#15

Acrylonitrile

Concen: 128.834 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

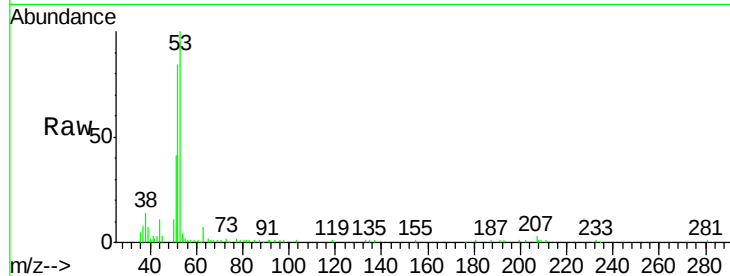
Tot Ion: 53 Resp: 52847

Ion Ratio Lower Upper

53 100

52 84.0 79.2 118.8

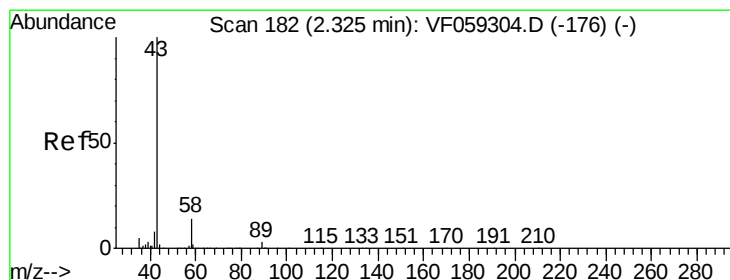
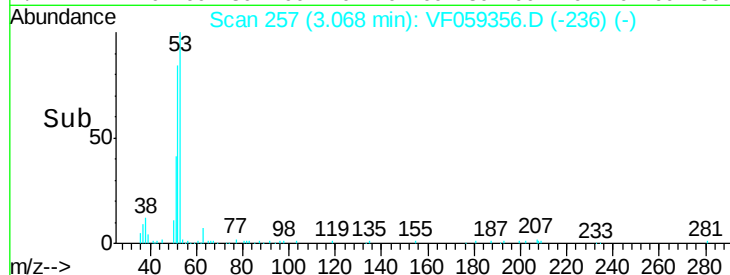
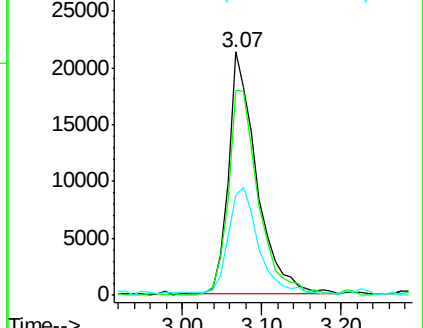
51 41.2 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 115.758 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059356.D

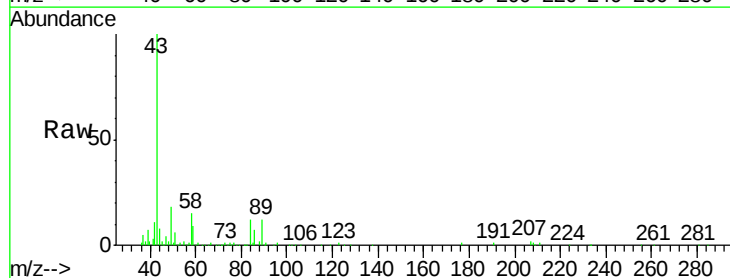
Acq: 28 Jun 2018 13:14

Tgt Ion: 43 Resp: 105940

Ion Ratio Lower Upper

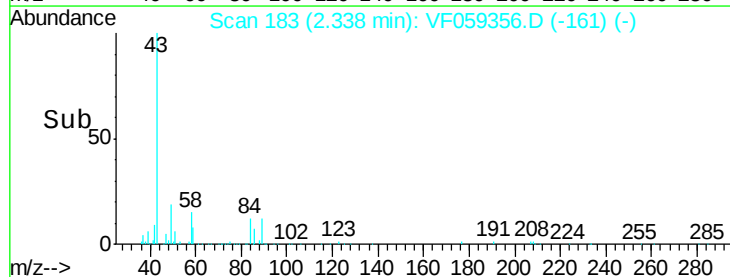
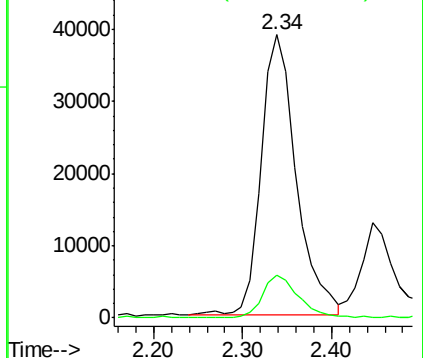
43 100

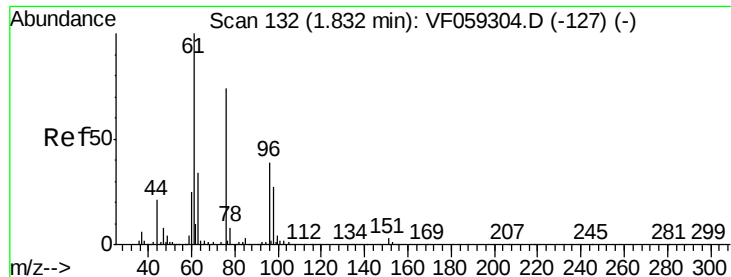
58 15.2 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 20.919 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.04 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

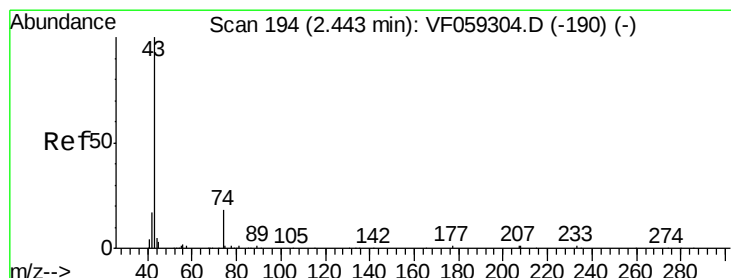
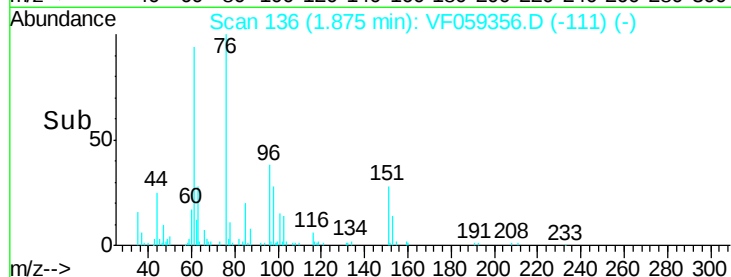
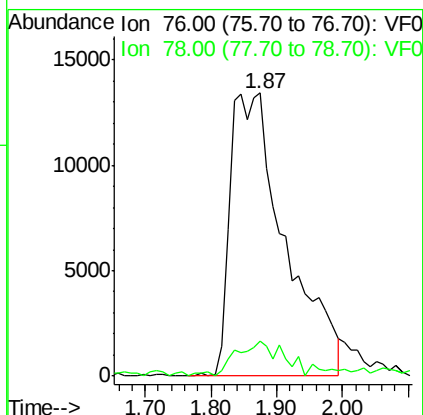
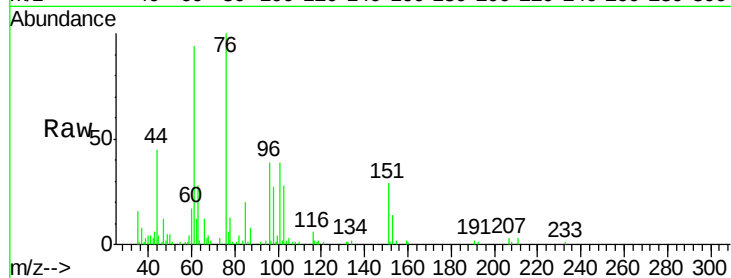
VF0628SBS01

Tot Ion: 76 Resp: 78567

Ion Ratio Lower Upper

76 100

78 12.5 8.9 13.3



#18

Methyl Acetate

Concen: 17.454 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059356.D

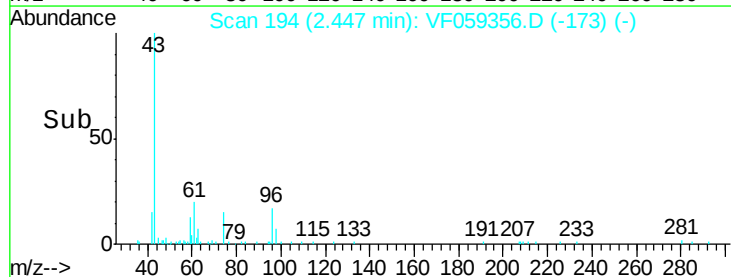
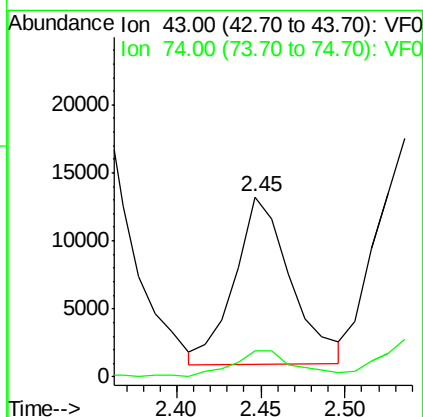
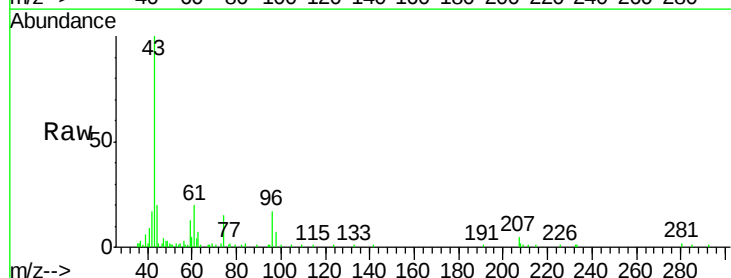
Acq: 28 Jun 2018 13:14

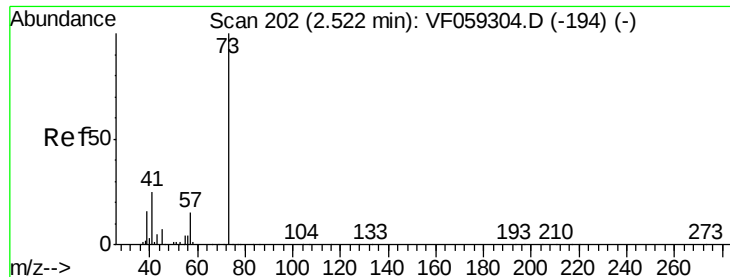
Tgt Ion: 43 Resp: 28760

Ion Ratio Lower Upper

43 100

74 14.6 13.3 19.9

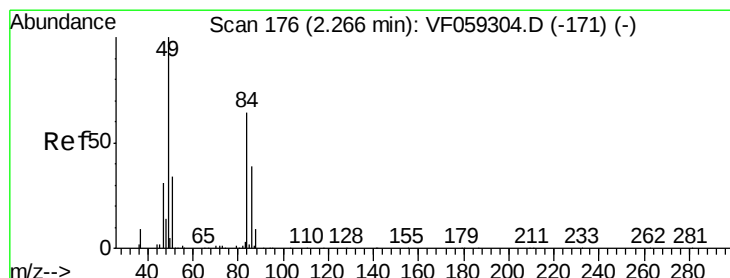
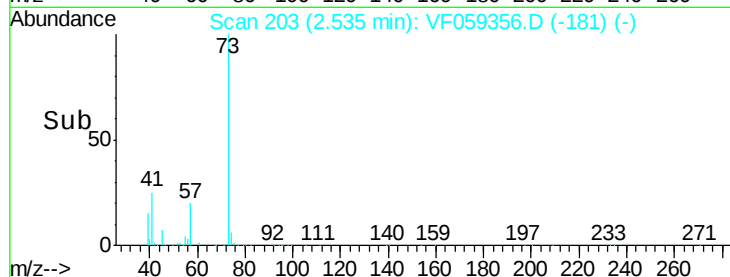
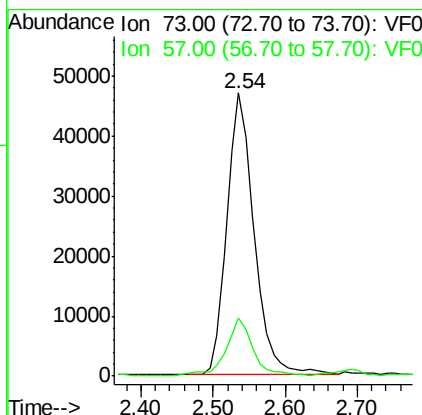
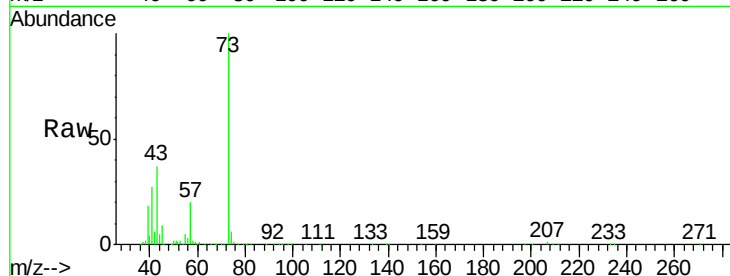




#19
Methvl tert-butvl Ether
Concen: 20.736 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

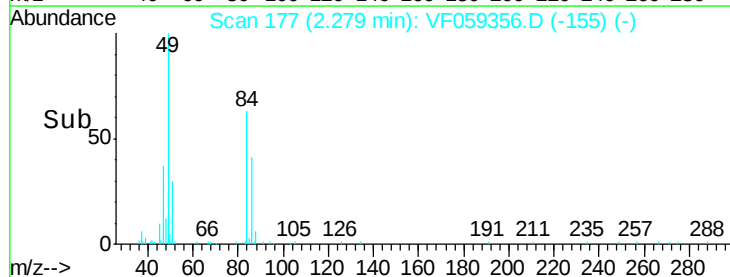
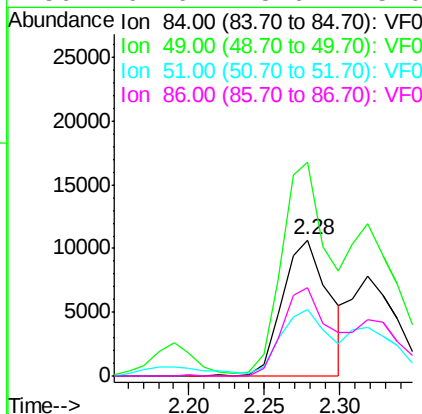
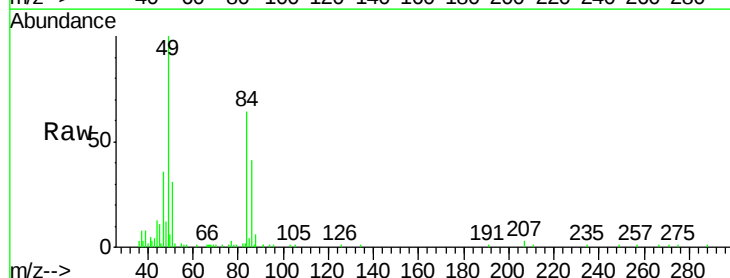
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

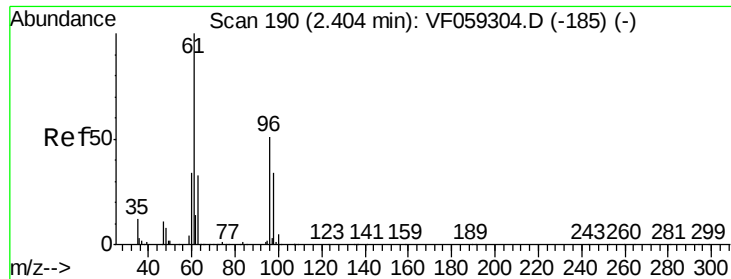
Tot Ion: 73 Resp: 123491
Ion Ratio Lower Upper
73 100
57 20.3 12.3 18.5#



#20
Methylene Chloride
Concen: 5.062 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion: 84 Resp: 22965
Ion Ratio Lower Upper
84 100
49 156.9 126.5 189.7
51 49.0 42.9 64.3
86 64.6 48.6 73.0

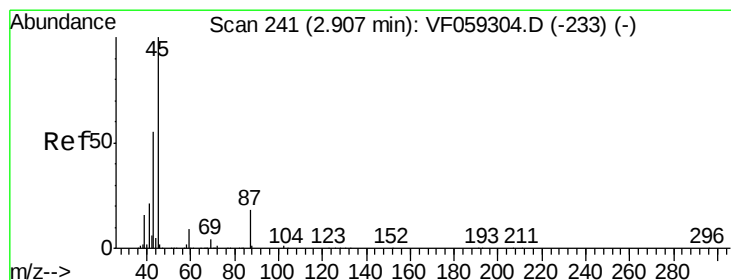
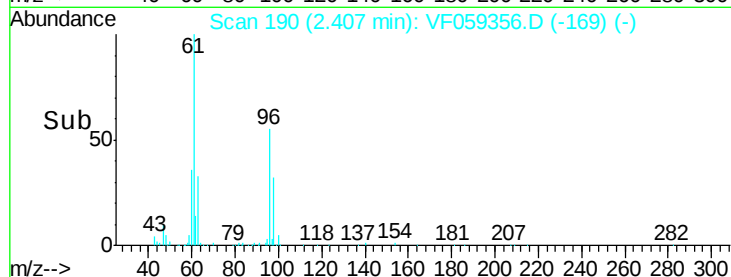
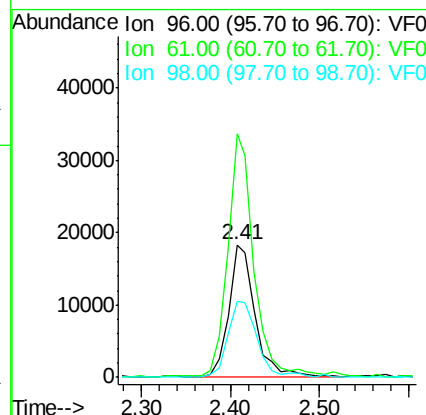
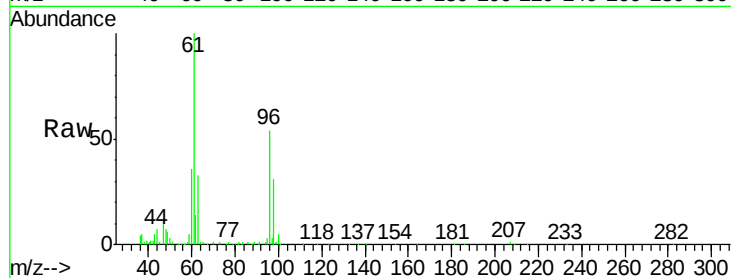




#21
trans-1,2-Dichloroethene
Concen: 22.621 ug/l
RT: 2.41 min Scan# 190
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

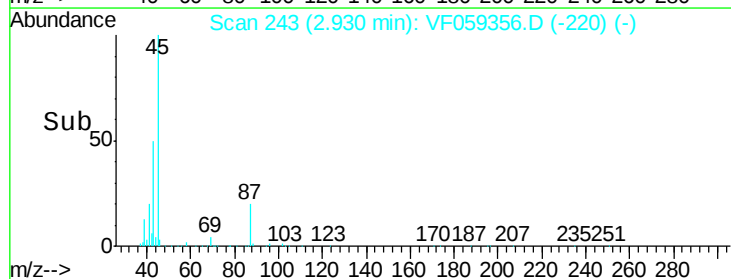
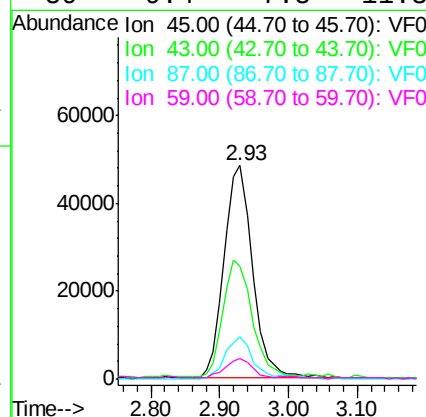
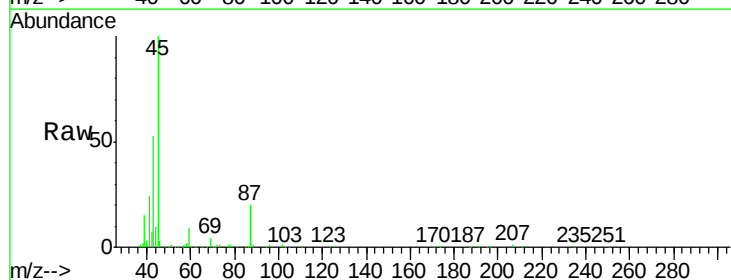
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

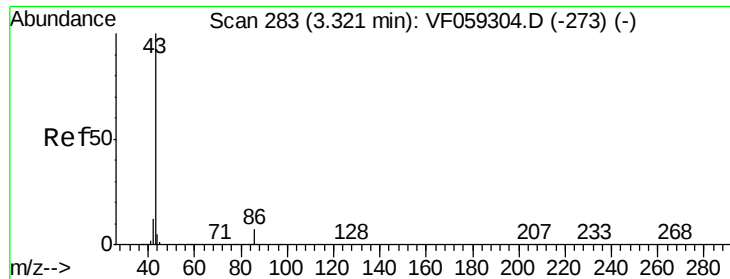
Tot Ion: 96 Resp: 38528
Ion Ratio Lower Upper
96 100
61 183.8 157.4 236.2
98 57.3 53.7 80.5



#22
Diisopropyl ether
Concen: 20.935 ug/l
RT: 2.93 min Scan# 243
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion: 45 Resp: 138942
Ion Ratio Lower Upper
45 100
43 52.6 44.6 66.8
87 20.0 14.3 21.5
59 9.4 7.5 11.3





#23

Vinyl Acetate

Concen: 110.831 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

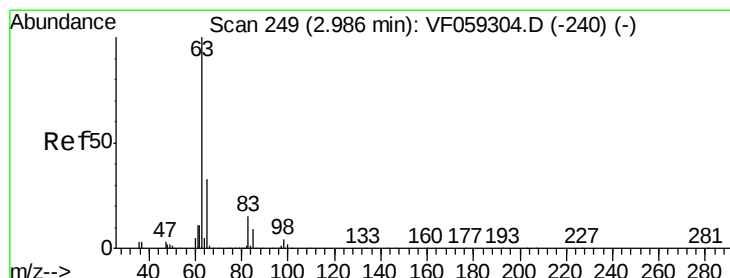
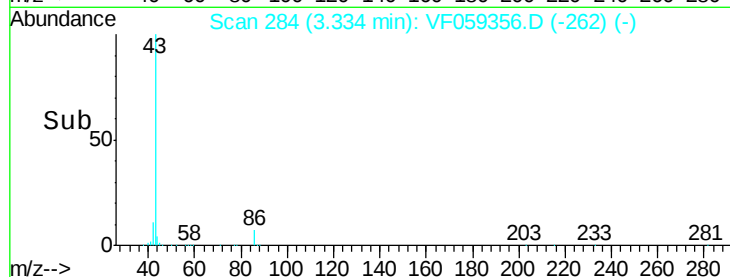
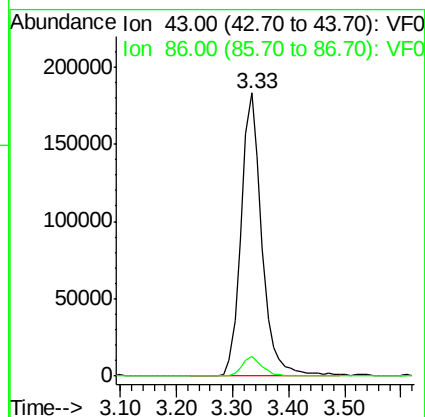
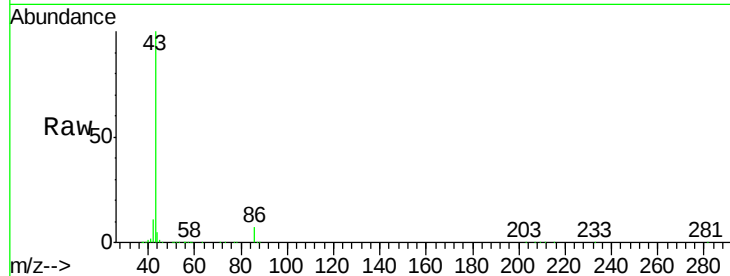
VF0628SBS01

Tot Ion: 43 Resp: 468460

Ion Ratio Lower Upper

43 100

86 6.9 5.8 8.6



#24

1,1-Dichloroethane

Concen: 21.915 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

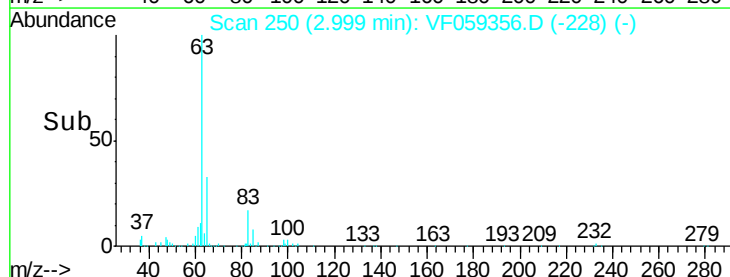
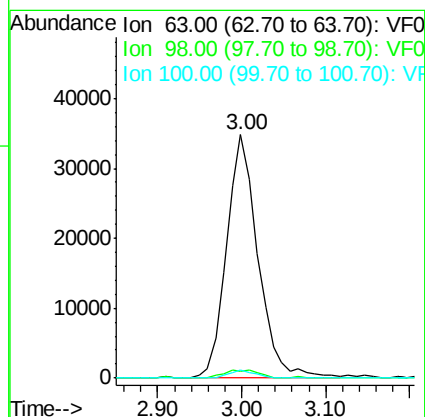
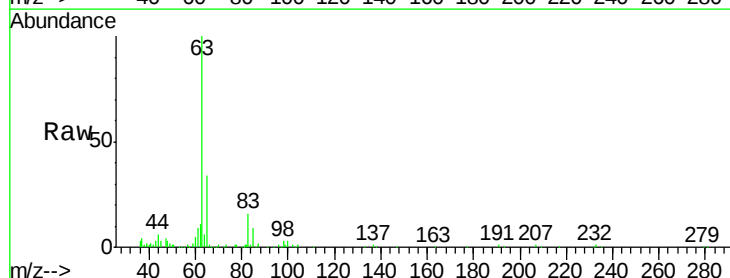
Tgt Ion: 63 Resp: 90180

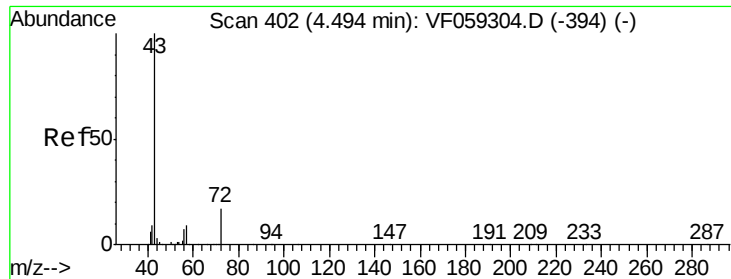
Ion Ratio Lower Upper

63 100

98 2.8 2.0 6.0

100 3.4 1.3 3.9





#25

2-Butanone

Concen: 115.487 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

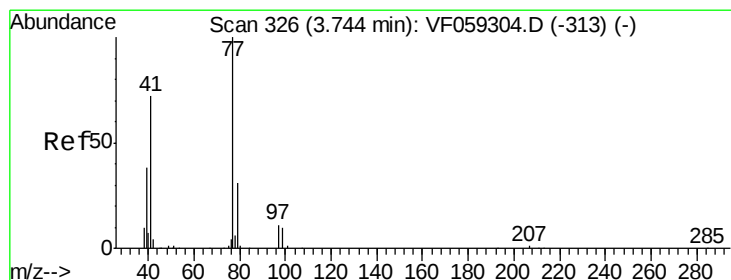
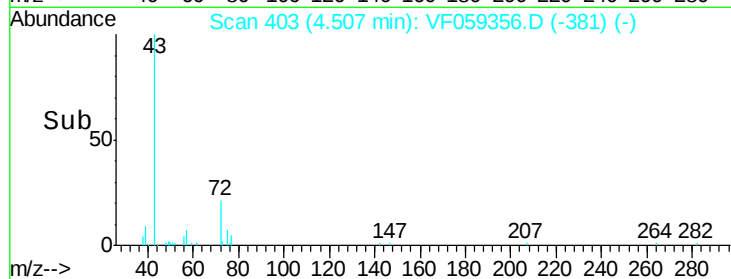
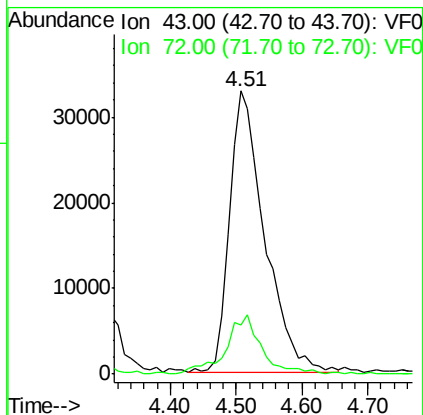
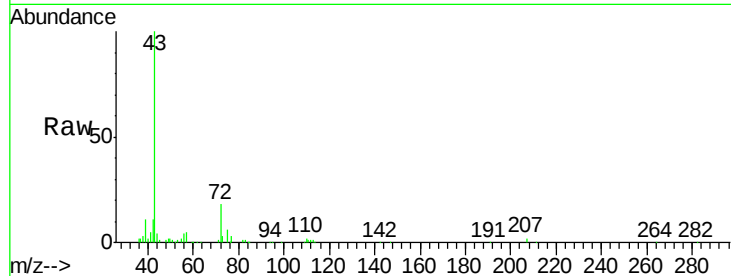
VF0628SBS01

Tot Ion: 43 Resp: 123802

Ion Ratio Lower Upper

43 100

72 17.5 14.4 21.6



#26

2,2-Dichloropropane

Concen: 24.373 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059356.D

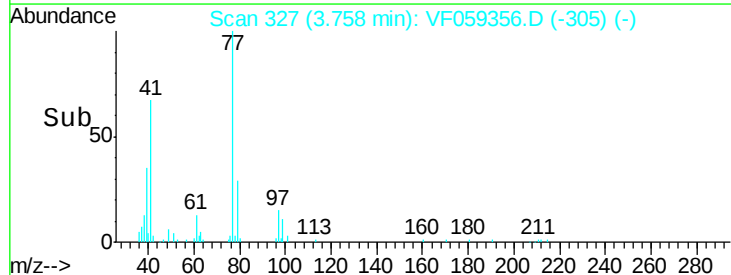
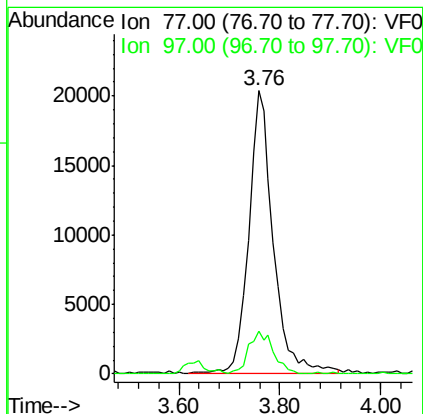
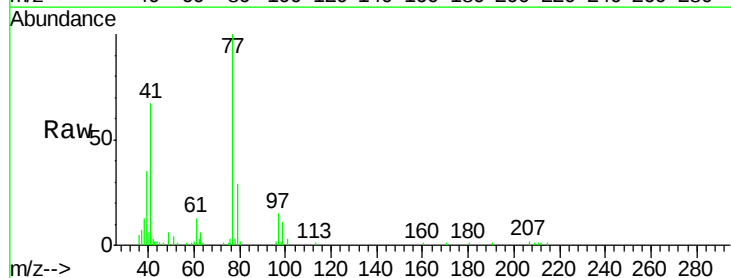
Acq: 28 Jun 2018 13:14

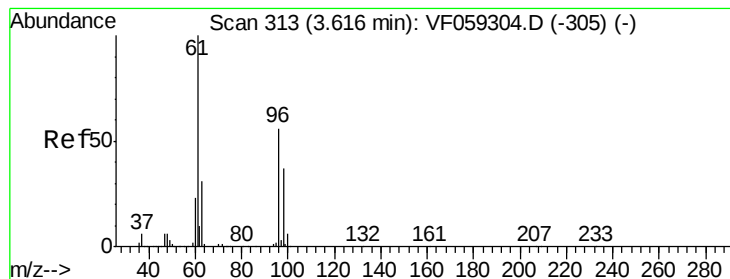
Tgt Ion: 77 Resp: 69176

Ion Ratio Lower Upper

77 100

97 15.2 8.0 23.8



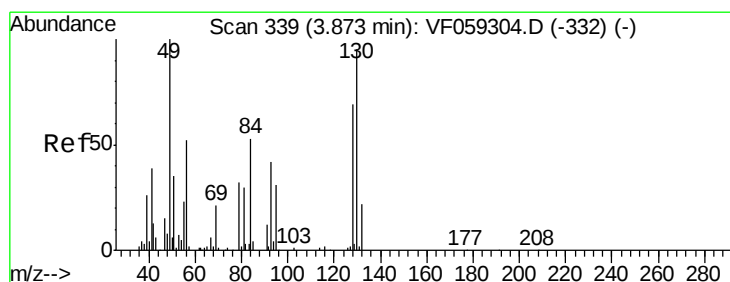
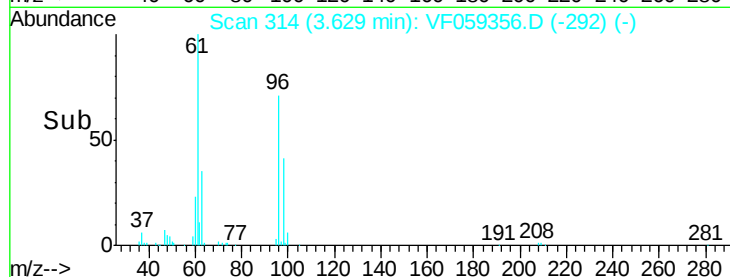
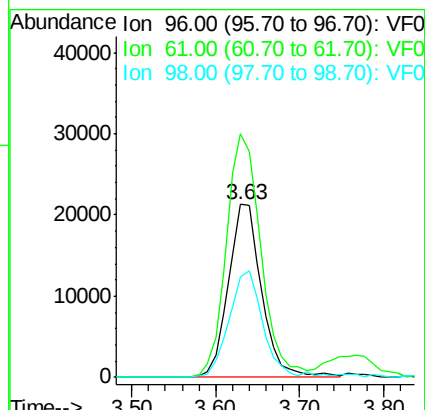
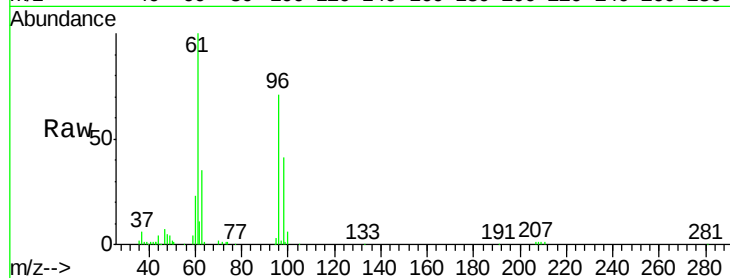


#27

cis-1,2-Dichloroethene
Concen: 22.757 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

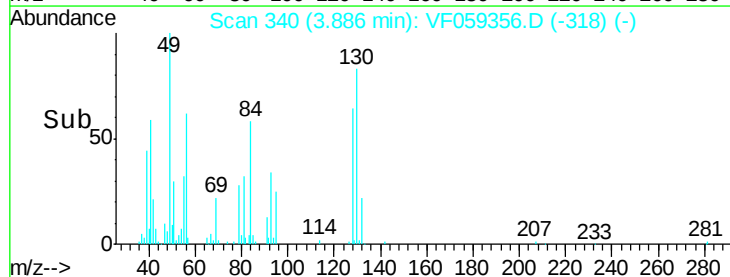
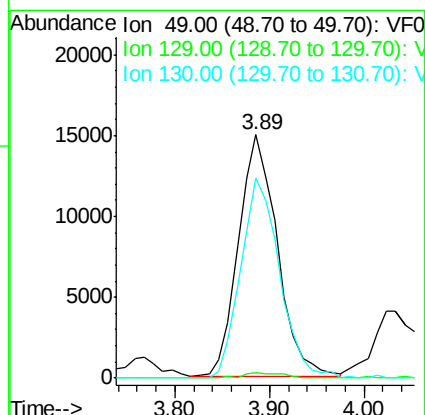
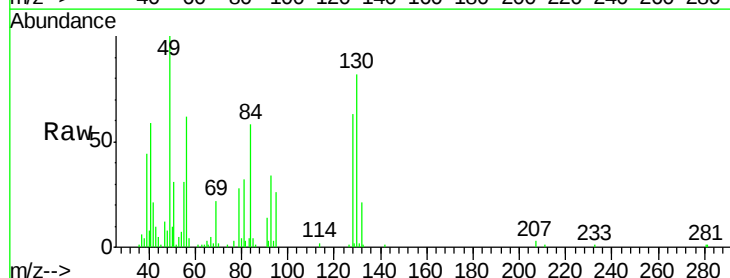
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	355.4
98	58.1	0.0	131.0

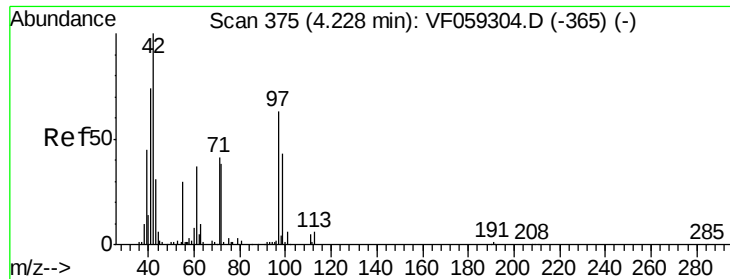


#28

Bromochloromethane
Concen: 24.698 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	6.4
130	82.3	75.1	112.7

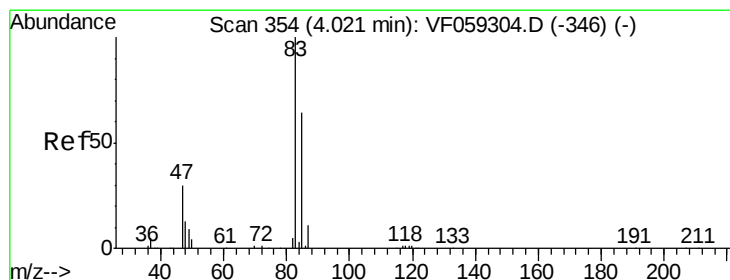
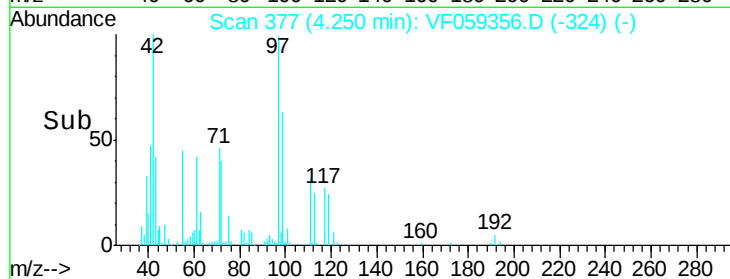
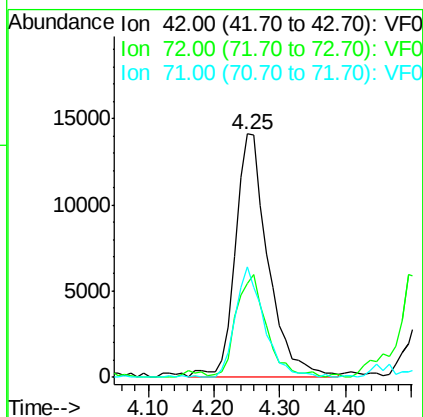
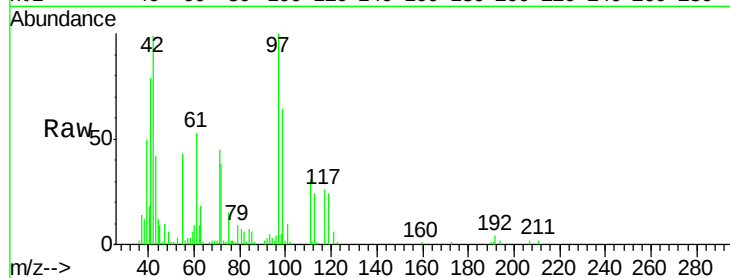




#29
Tetrahydrofuran
Concen: 105.271 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

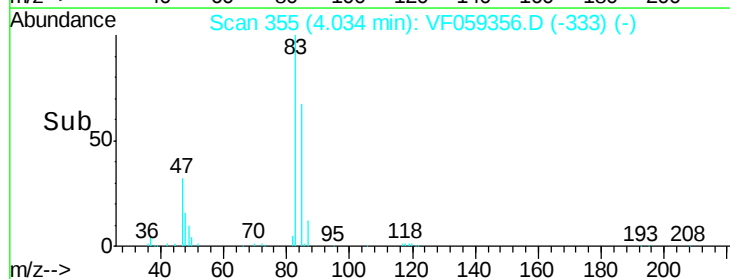
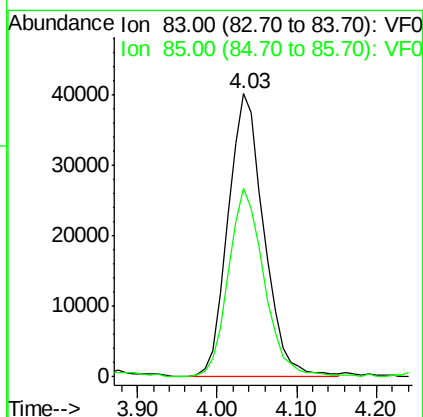
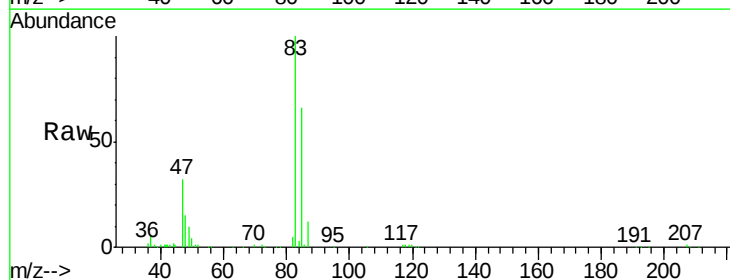
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

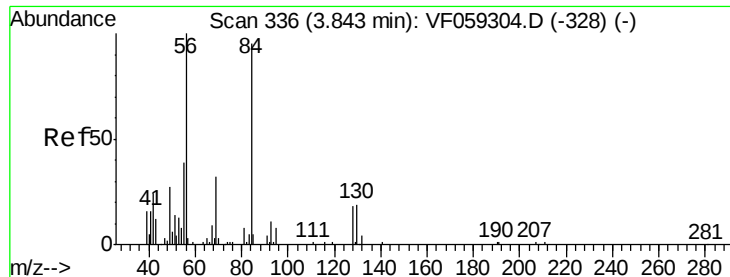
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	30.5	45.7
71	39.3	32.5	48.7



#30
Chloroform
Concen: 21.232 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9

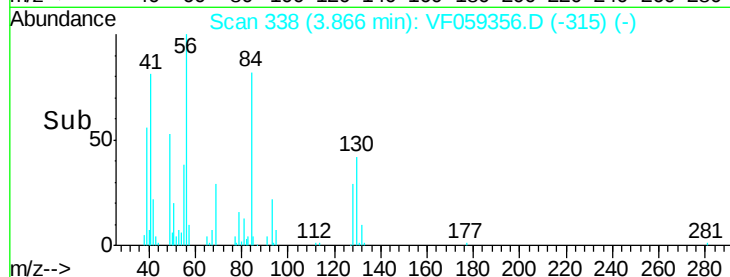
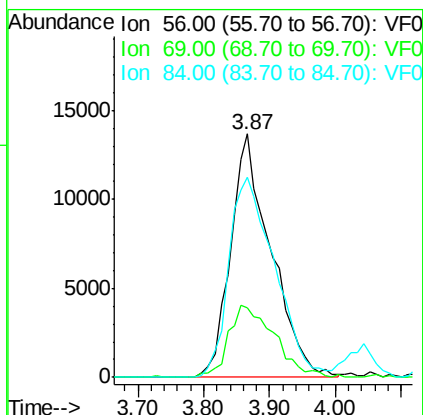
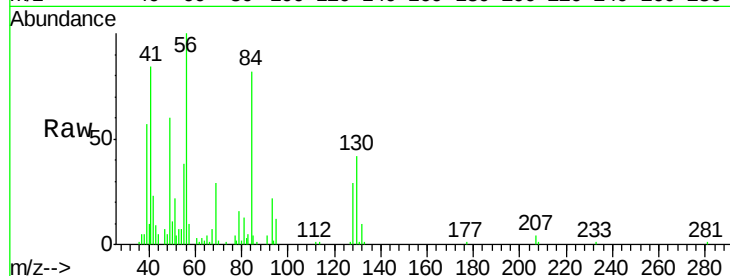




#31
Cyclohexane
Concen: 21.777 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

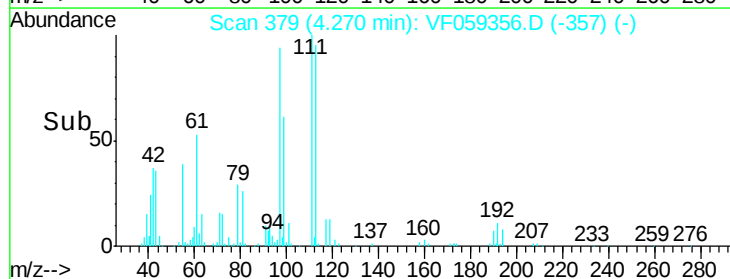
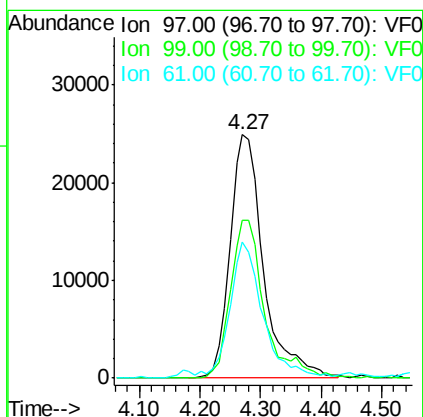
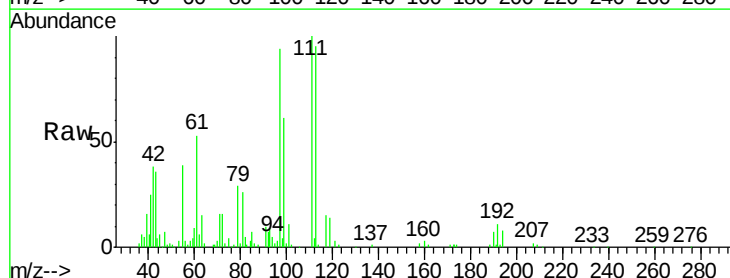
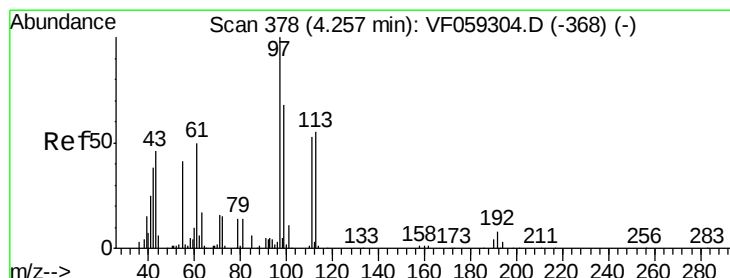
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

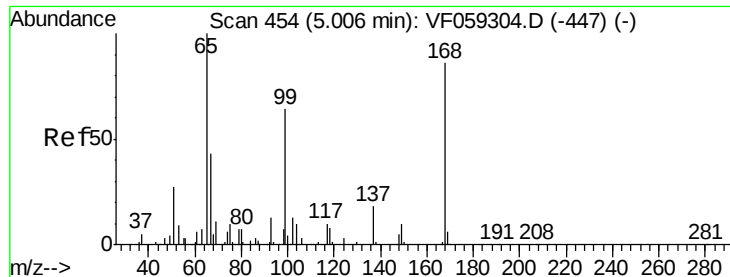
Tot Ion: 56 Resp: 58704
Ion Ratio Lower Upper
56 100
69 28.5 25.8 38.8
84 82.1 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 21.965 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion: 97 Resp: 95752
Ion Ratio Lower Upper
97 100
99 64.9 54.1 81.1
61 55.8 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 47.262 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

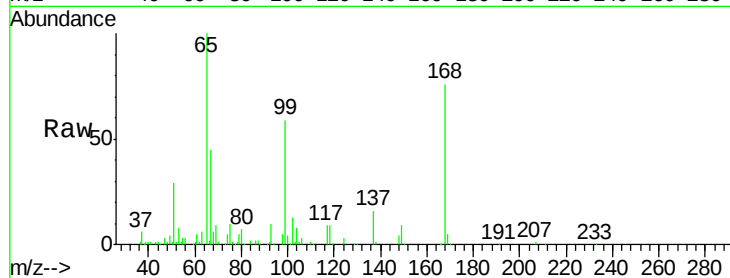
VF0628SBS01

Tot Ion: 65 Resp: 165364

Ion Ratio Lower Upper

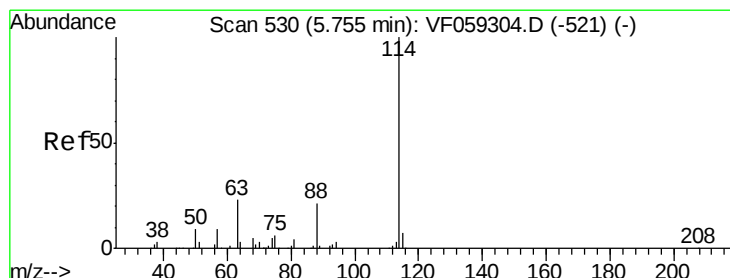
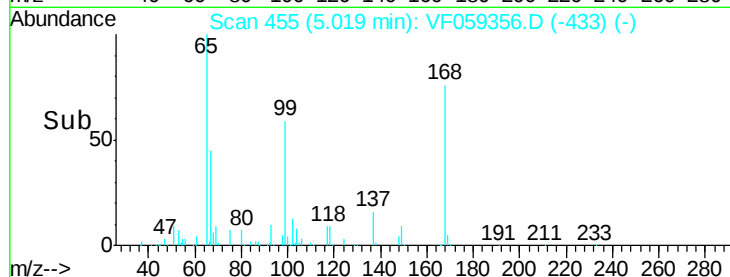
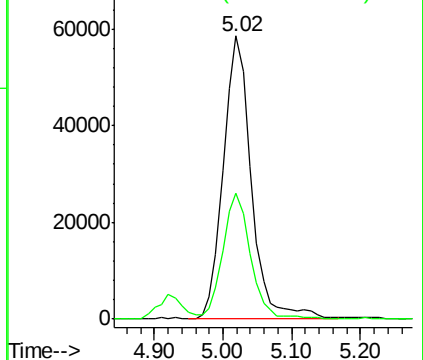
65 100

67 44.7 0.0 96.8



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: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

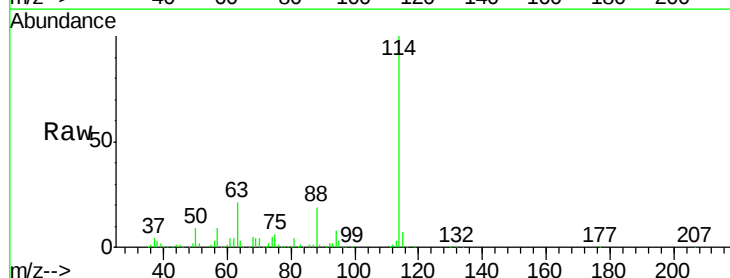
Tgt Ion: 114 Resp: 427378

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.8

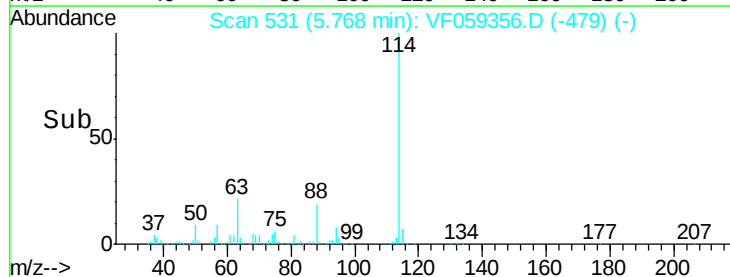
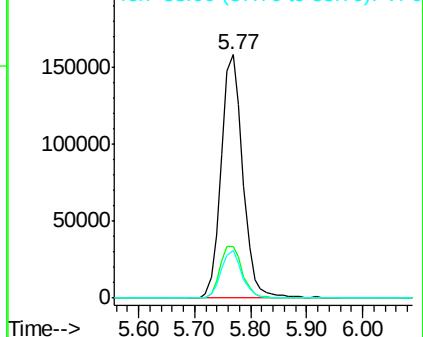
88 19.4 0.0 41.2

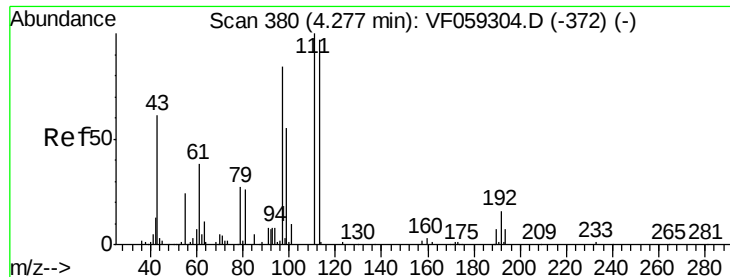


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

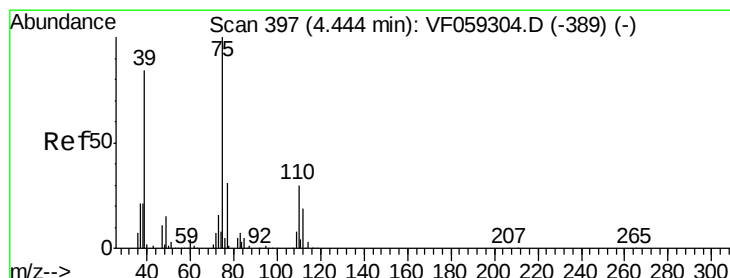
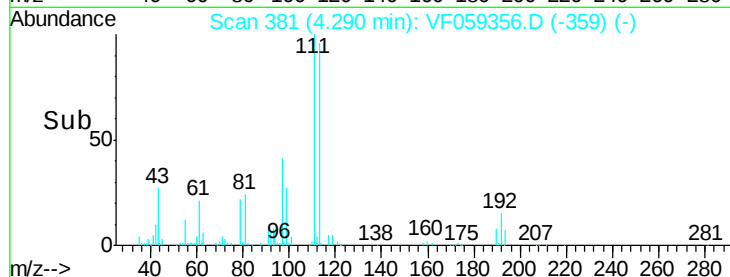
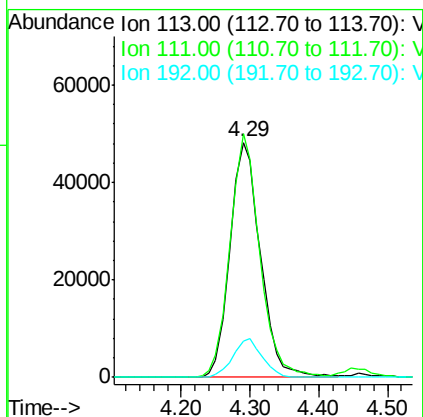
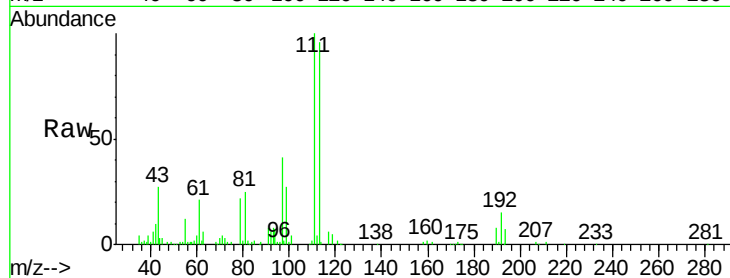




#35
 Dibromofluoromethane
 Concen: 47.427 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

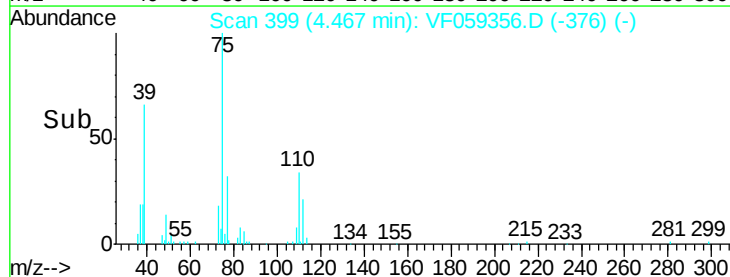
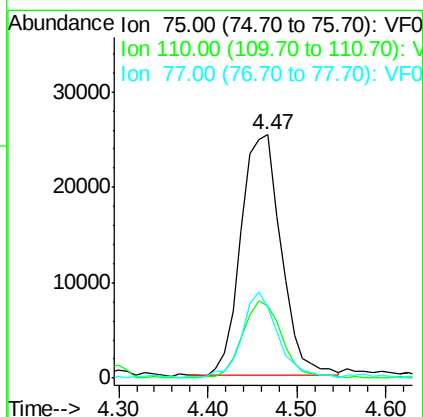
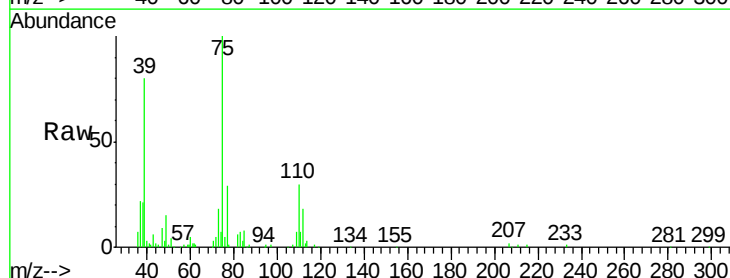
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

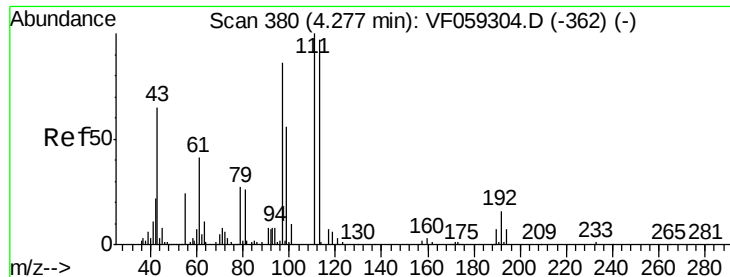
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	15.2	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 21.036 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.02 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.8	14.8	44.4
77	29.2	25.2	37.8





#37

Ethyl Acetate

Concen: 22.653 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

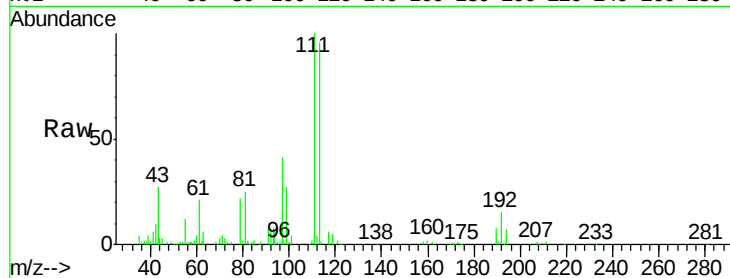
Tot Ion: 43 Resp: 56037

Ion Ratio Lower Upper

43 100

61 77.0 50.1 75.1#

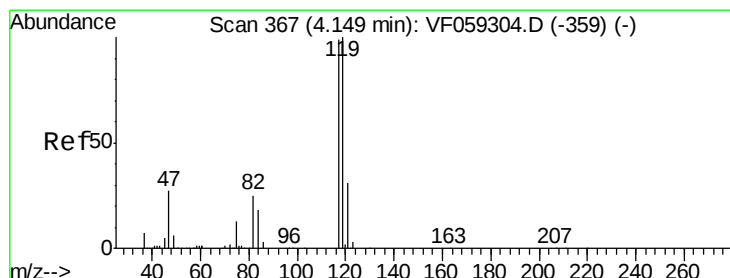
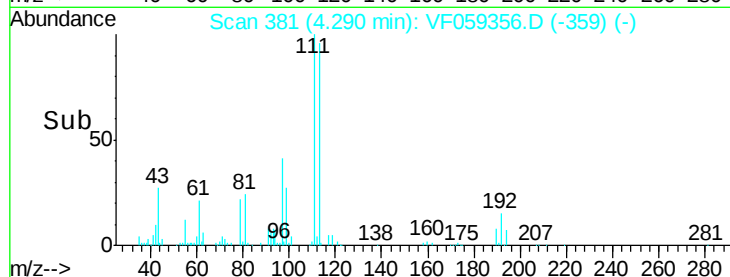
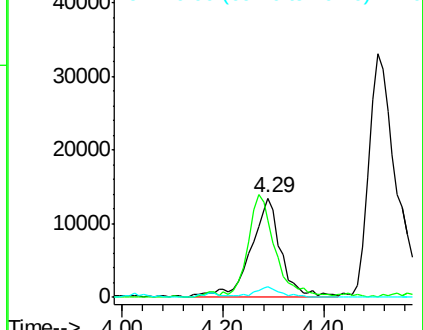
70 10.2 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.149 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.02 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

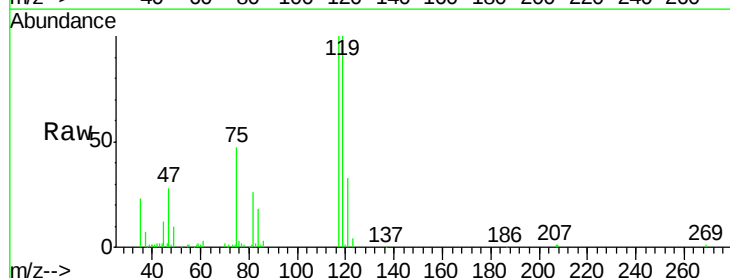
Tgt Ion: 117 Resp: 99648

Ion Ratio Lower Upper

117 100

119 99.7 81.0 121.4

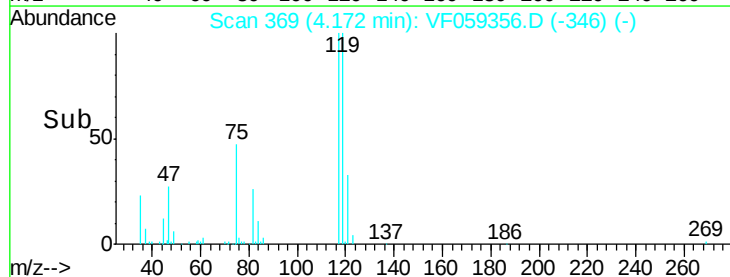
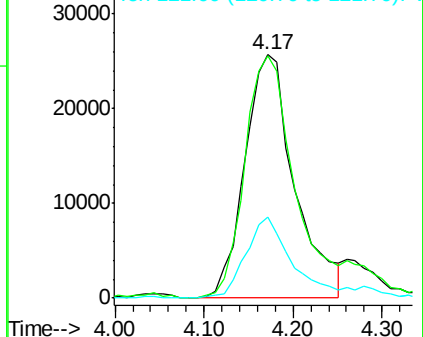
121 33.2 24.7 37.1

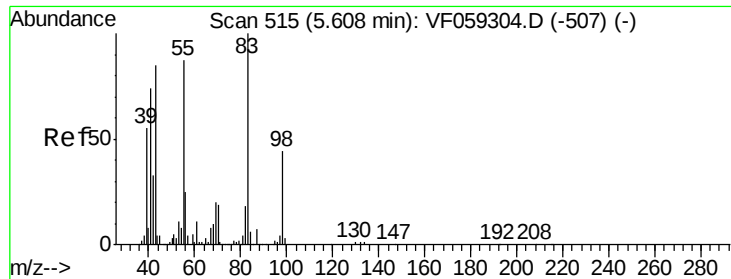


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

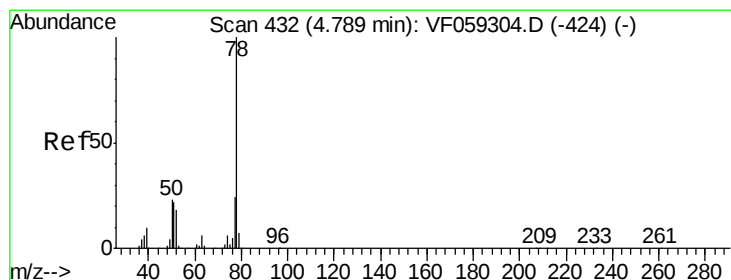
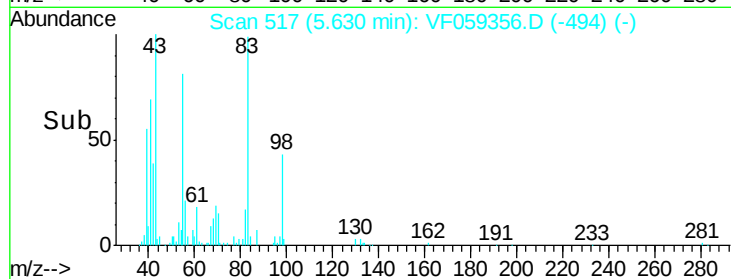
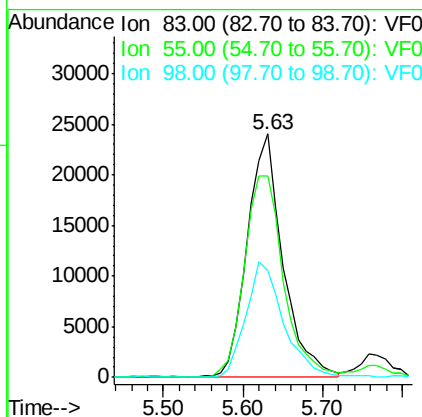
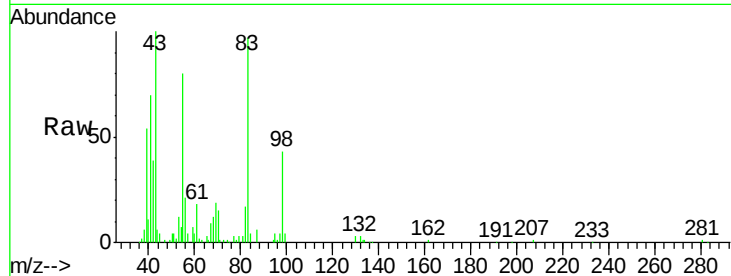




#39
Methvlcvclohexane
Concen: 22.494 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

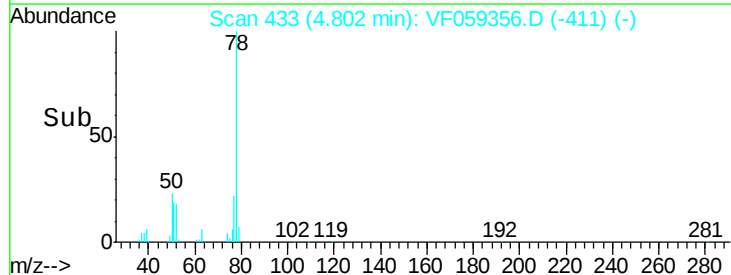
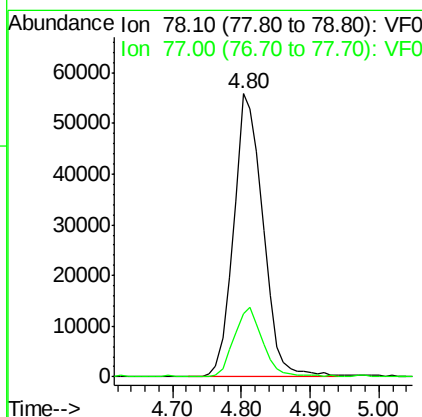
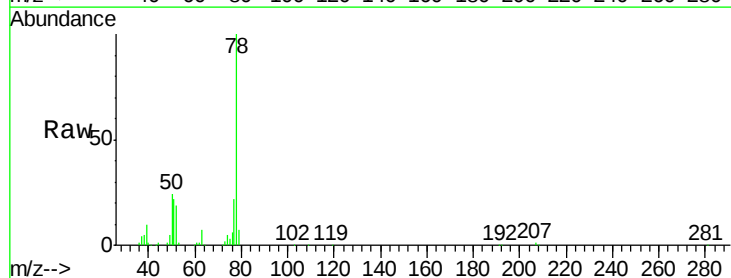
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion: 83 Resp: 74421
Ion Ratio Lower Upper
83 100
55 82.8 69.2 103.8
98 43.8 35.0 52.6



#40
Benzene
Concen: 19.944 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion: 78 Resp: 165099
Ion Ratio Lower Upper
78 100
77 22.1 19.6 29.4





#41

Methacrylonitrile

Concen: 18.686 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 41 Resp: 23798

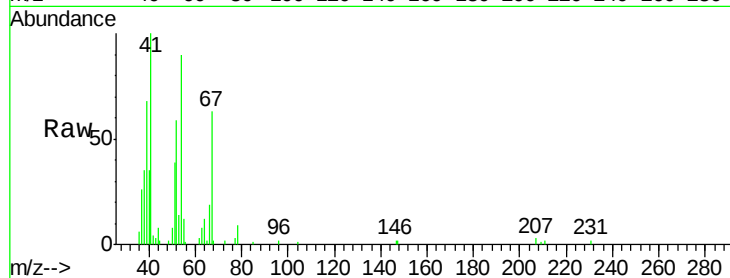
Ion Ratio Lower Upper

41 100

39 68.4 50.0 75.0

67 62.8 37.0 55.6#

52 59.1 37.1 55.7#

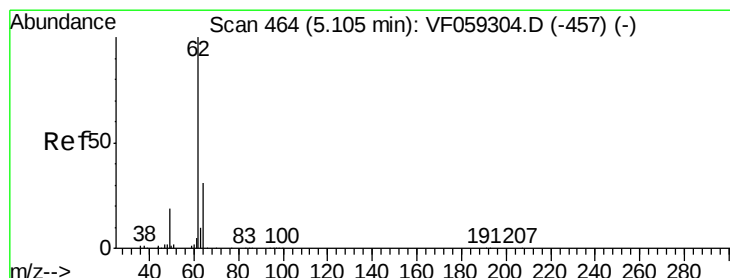
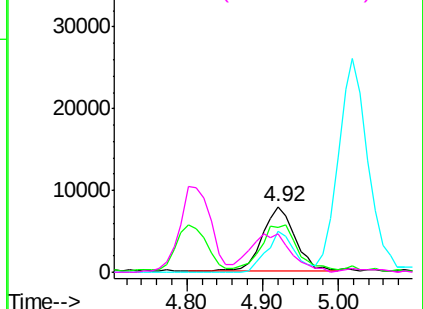
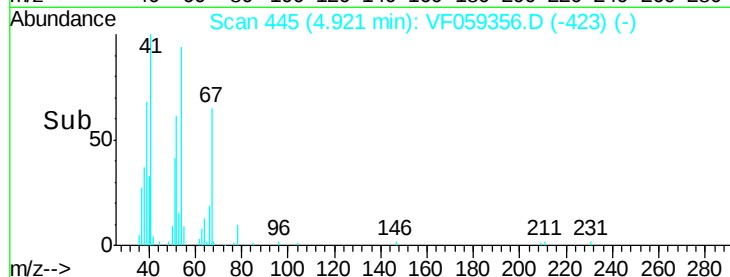


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.400 ug/l

RT: 5.12 min Scan# 465

Delta R.T. 0.01 min

Lab File: VF059356.D

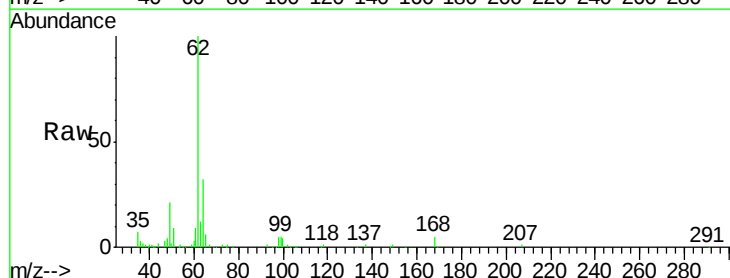
Acq: 28 Jun 2018 13:14

Tgt Ion: 62 Resp: 98679

Ion Ratio Lower Upper

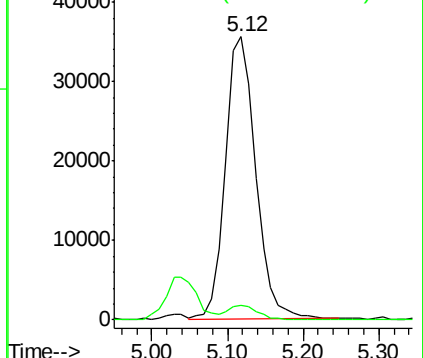
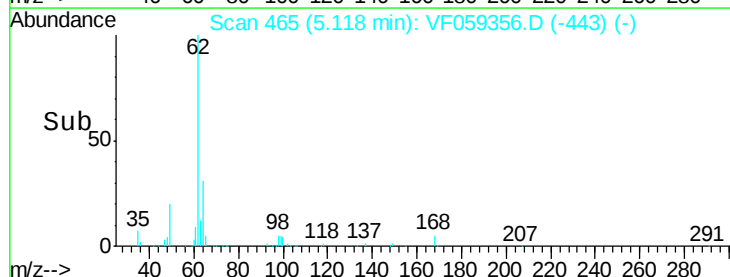
62 100

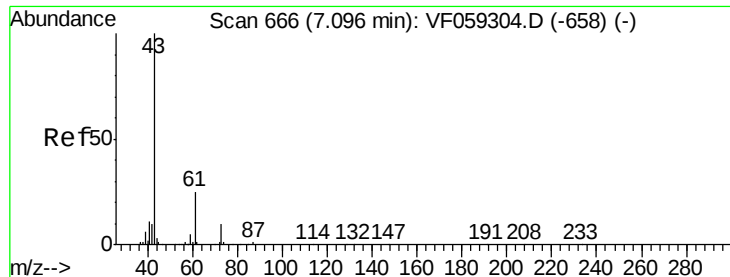
98 5.2 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



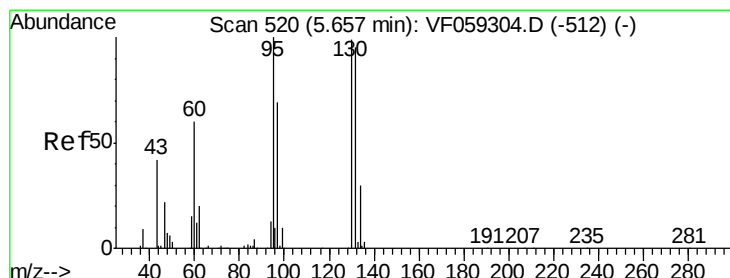
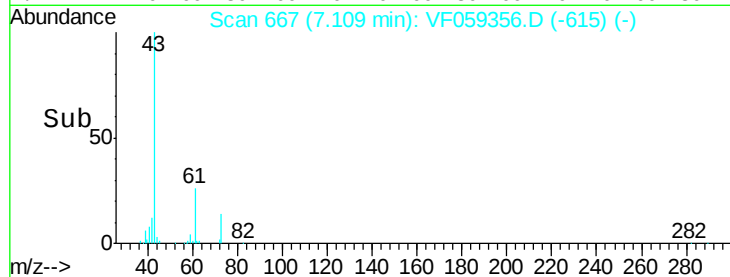
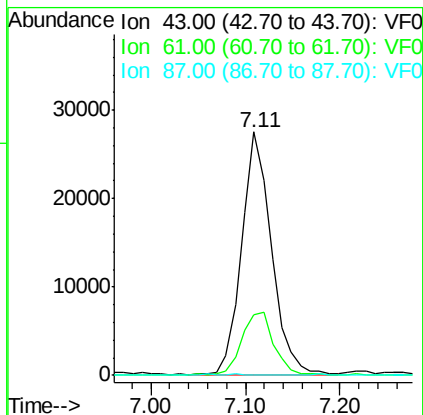
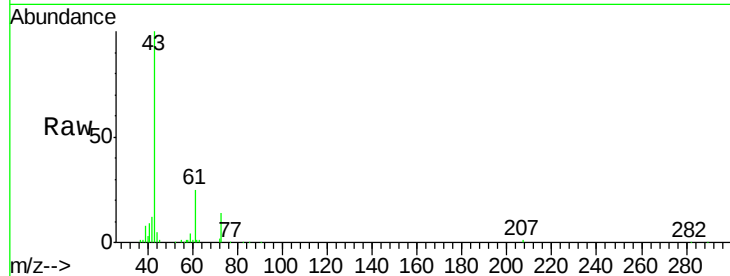


#43

Isopropyl Acetate
 Concen: 19.517 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

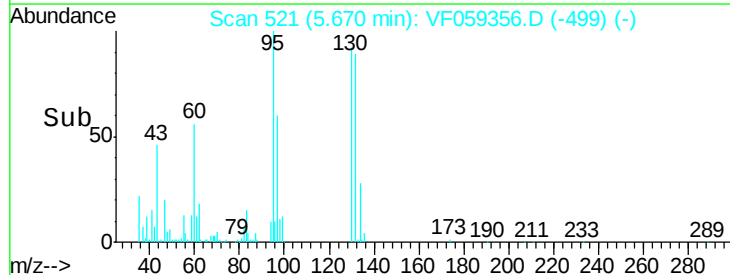
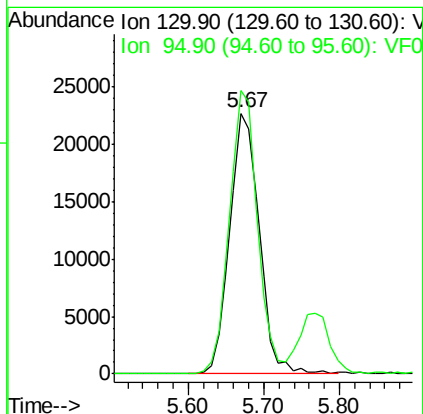
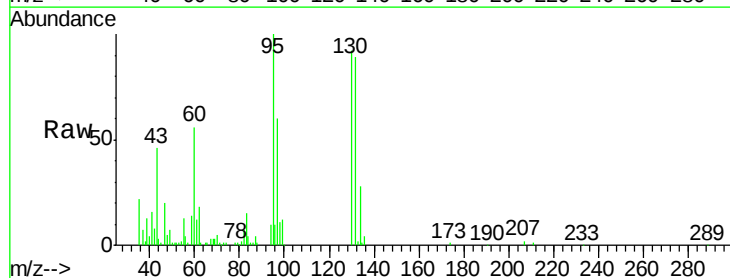
Tot Ion	43	Resp	60695
Ion Ratio	Lower	Upper	
43	100		
61	25.1	19.7	29.5
87	0.0	0.5	0.7#

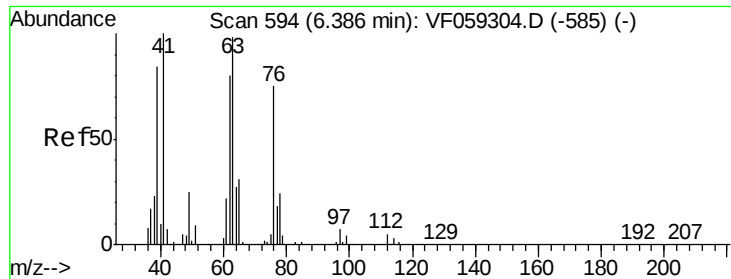


#44

Trichloroethene
 Concen: 21.561 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	130	Resp	61226
Ion Ratio	Lower	Upper	
130	100		
95	108.5	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.372 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

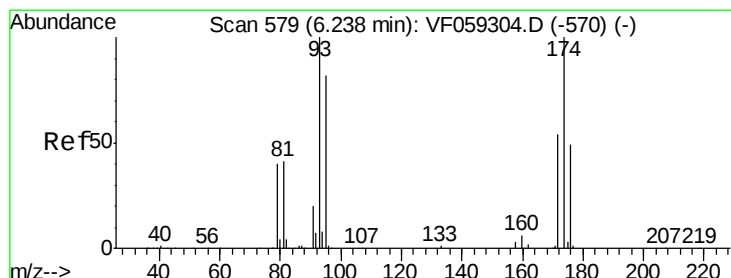
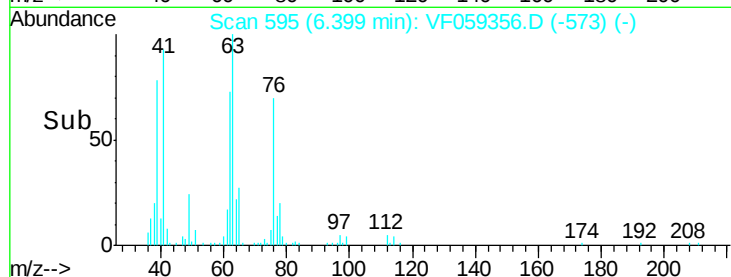
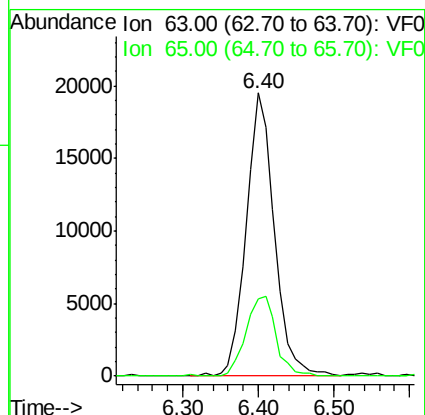
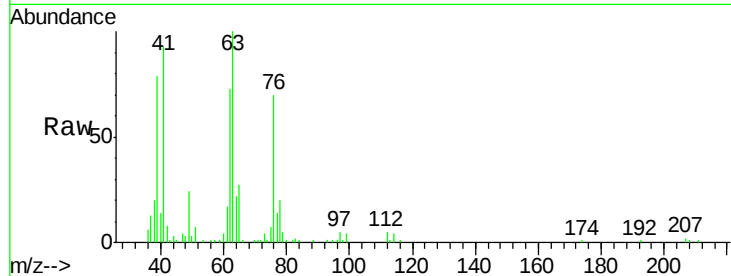
VF0628SBS01

Tot Ion: 63 Resp: 50546

Ion Ratio Lower Upper

63 100

65 27.2 25.3 37.9



#46

Dibromomethane

Concen: 20.871 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

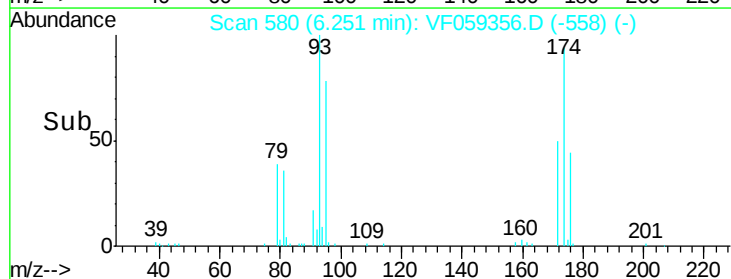
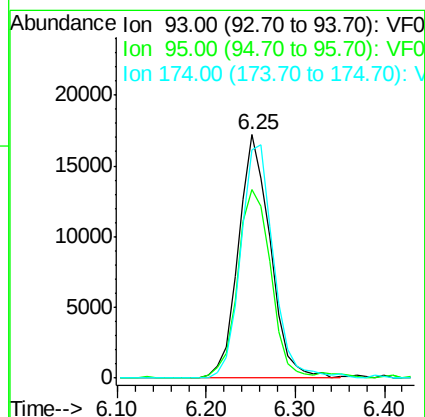
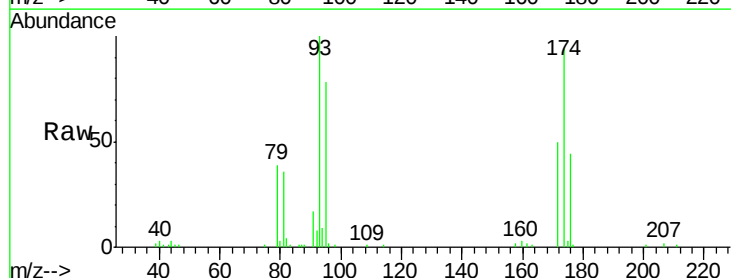
Tgt Ion: 93 Resp: 42843

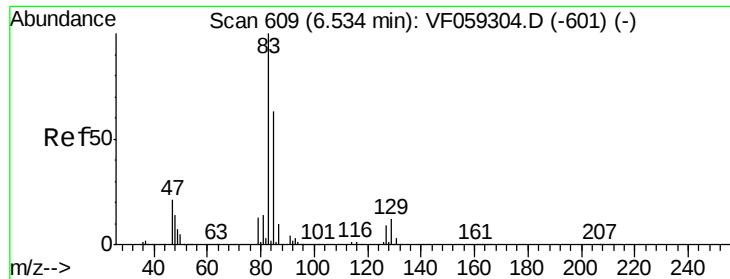
Ion Ratio Lower Upper

93 100

95 77.7 65.6 98.4

174 93.6 80.0 120.0





#47

Bromodichloromethane

Concen: 20.055 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

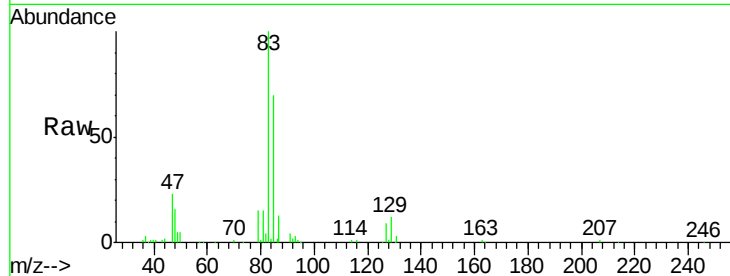
Tot Ion: 83 Resp: 99657

Ion Ratio Lower Upper

83 100

85 69.5 50.2 75.2

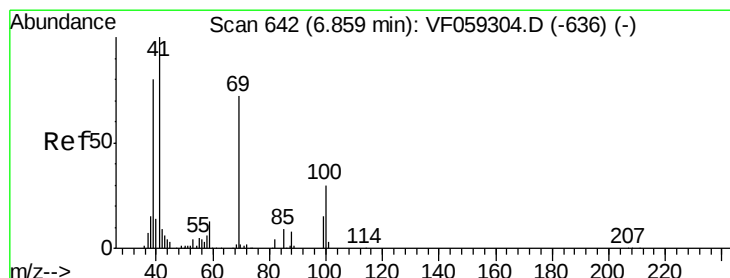
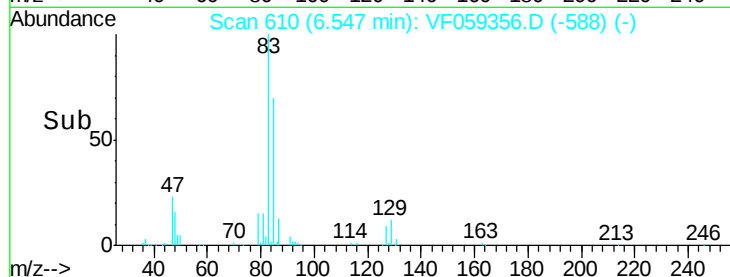
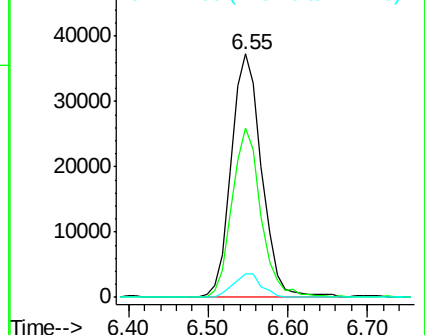
127 9.4 7.0 10.4



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: 18.650 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

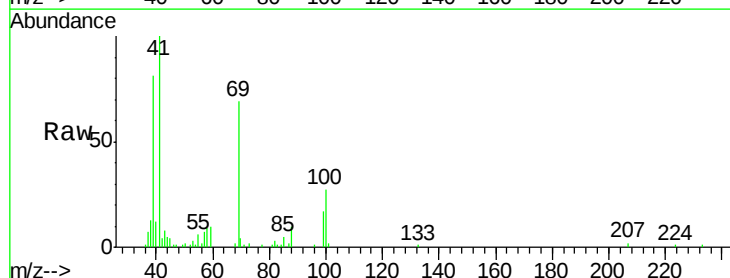
Tgt Ion: 41 Resp: 38872

Ion Ratio Lower Upper

41 100

69 68.7 57.3 85.9

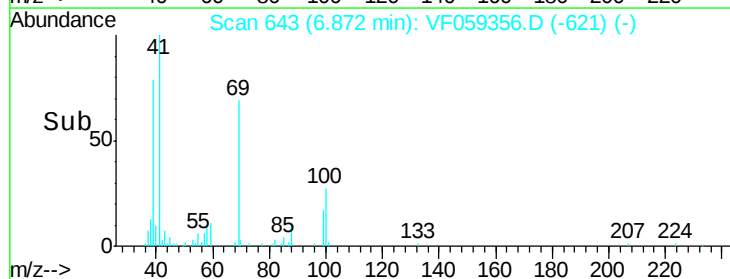
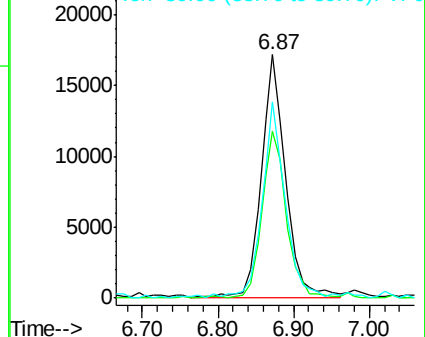
39 80.7 64.4 96.6

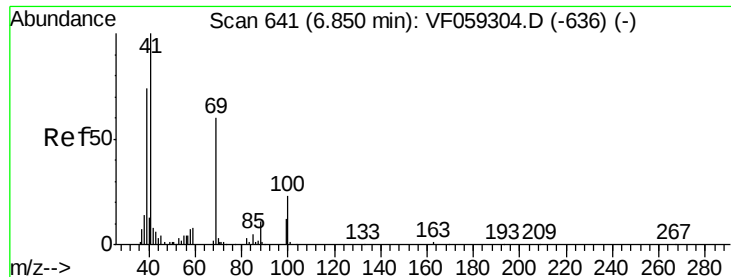


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 454.360 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

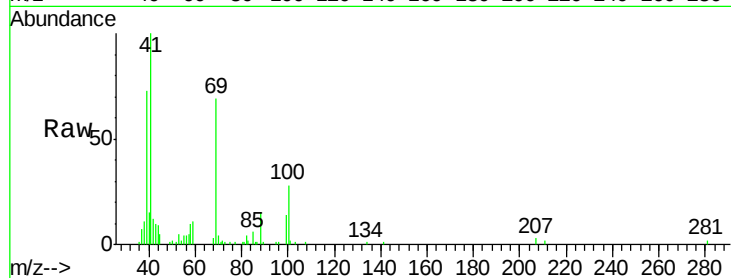
Tot Ion: 88 Resp: 5311

Ion Ratio Lower Upper

88 100

43 71.1 50.6 75.8

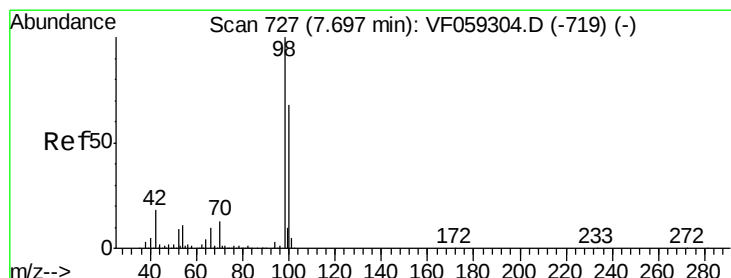
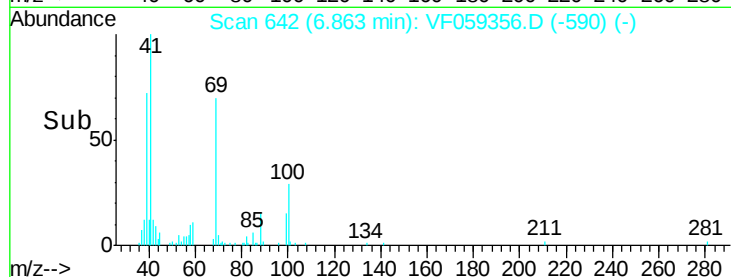
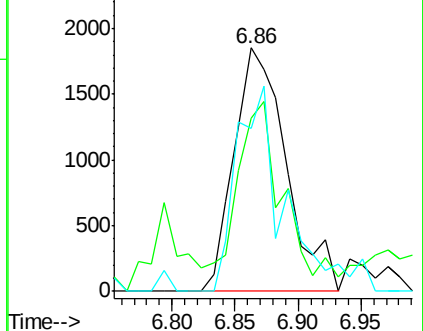
58 66.7 46.6 69.8



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: 47.075 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059356.D

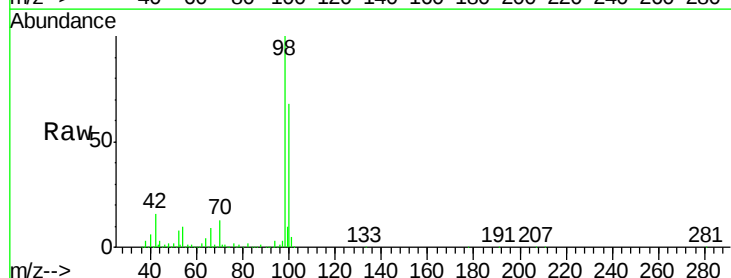
Acq: 28 Jun 2018 13:14

Tgt Ion: 98 Resp: 363961

Ion Ratio Lower Upper

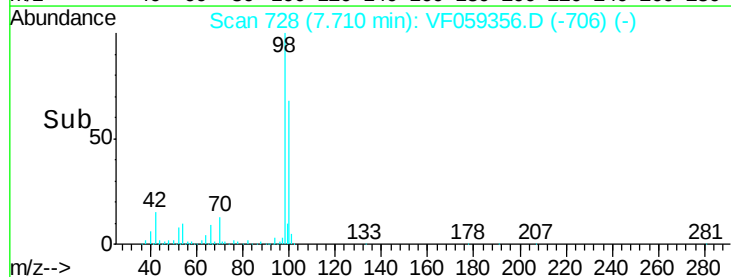
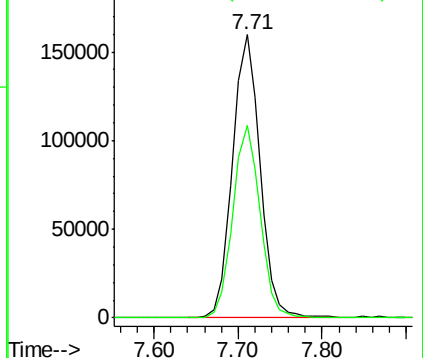
98 100

100 67.9 54.6 82.0



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: 103.244 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

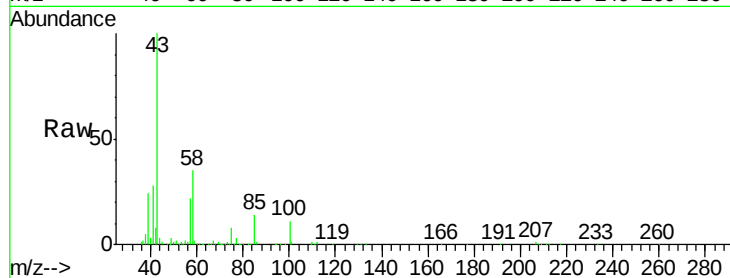
VF0628SBS01

Tot Ion: 43 Resp: 237864

Ion Ratio Lower Upper

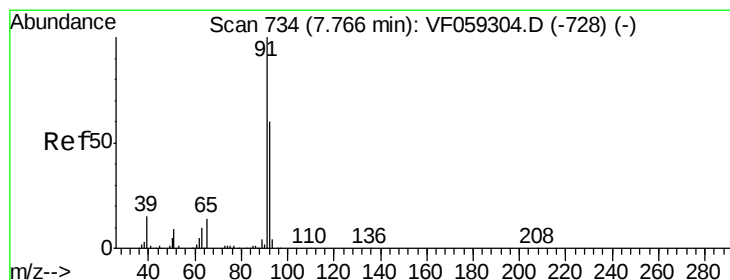
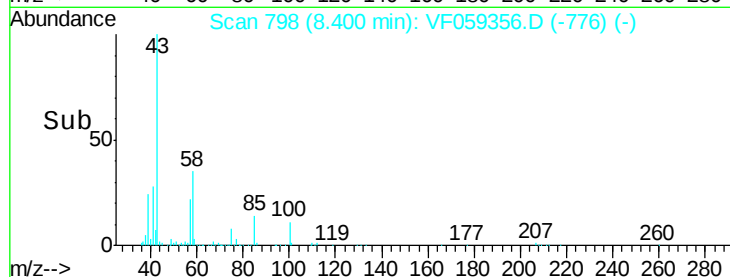
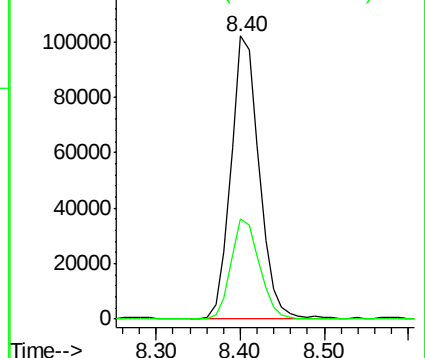
43 100

58 35.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.408 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059356.D

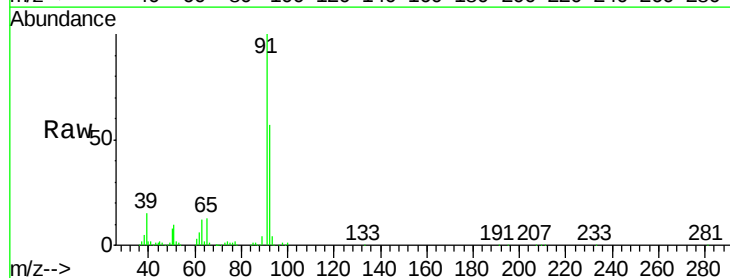
Acq: 28 Jun 2018 13:14

Tgt Ion: 92 Resp: 126413

Ion Ratio Lower Upper

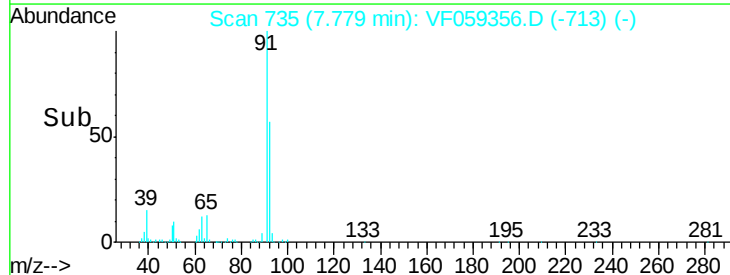
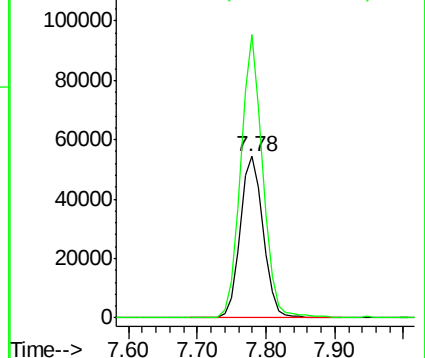
92 100

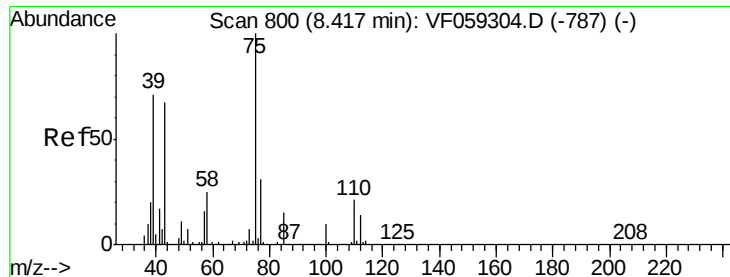
91 175.3 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

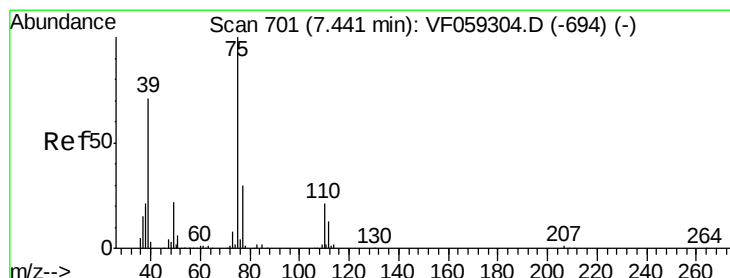
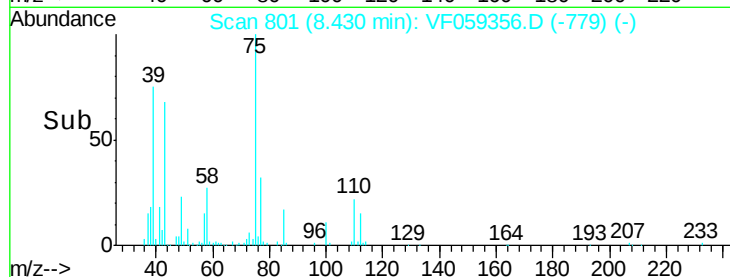
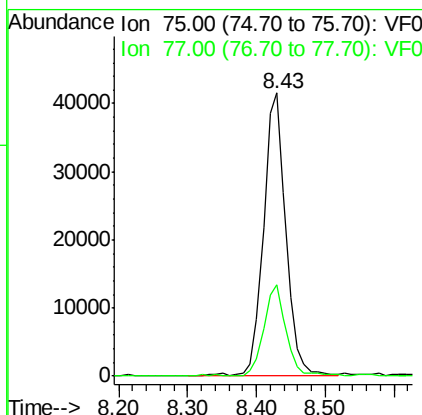
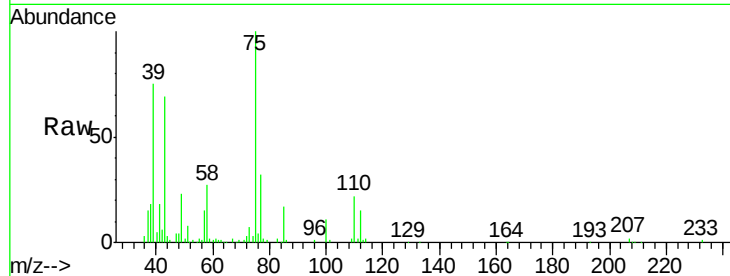




#53
 t-1,3-Dichloropropene
 Concen: 20.995 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

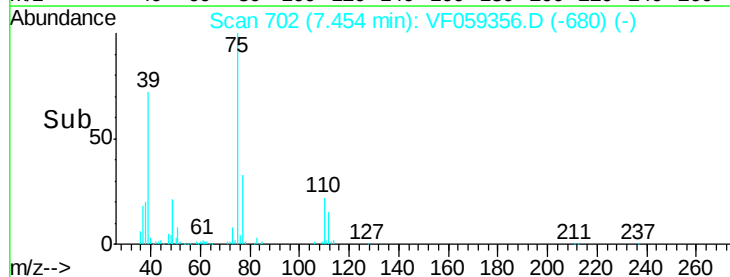
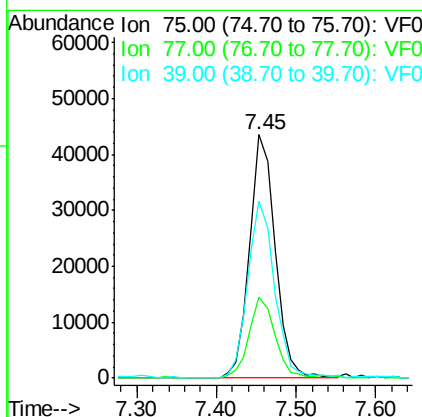
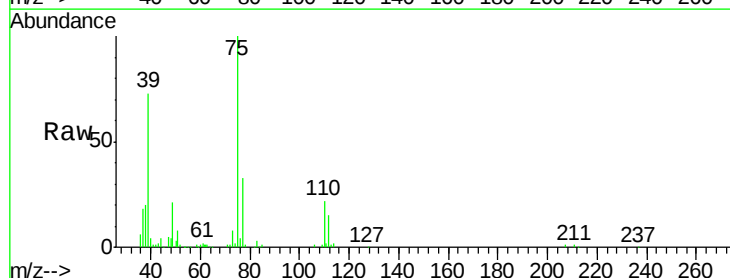
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

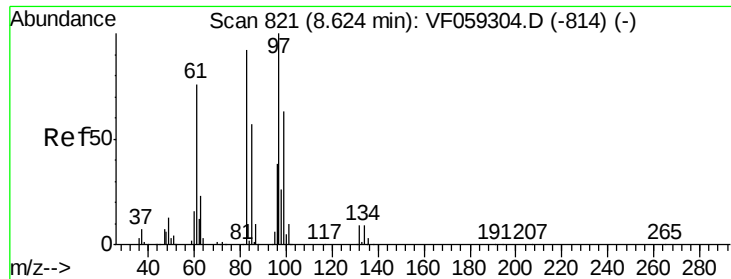
Tot Ion: 75 Resp: 95095
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 19.609 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion: 75 Resp: 96476
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.3 36.5
 39 72.7 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.232 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

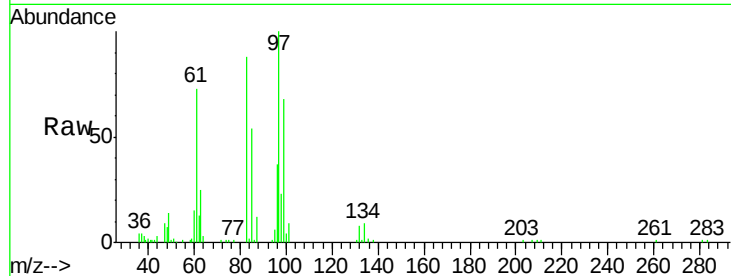
MSVOA_F

ClientSampleId :

VF0628SBS01

Tot Ion: 97 Resp: 51062

Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.8	110.8
85	53.9	45.5	68.3
99	67.9	50.7	76.1

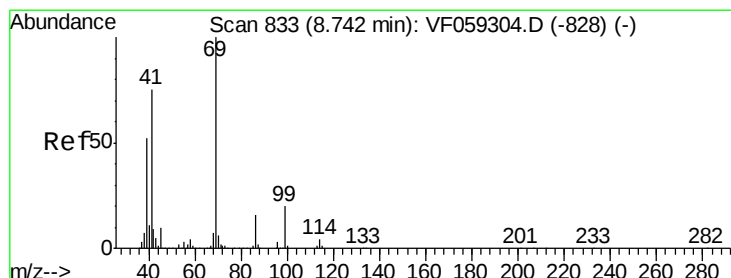
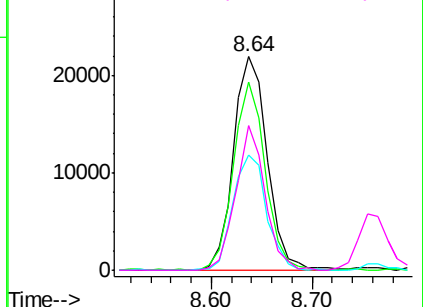
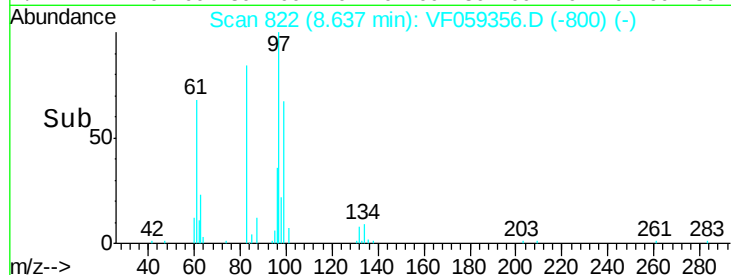


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.981 ug/l

RT: 8.76 min Scan# 834

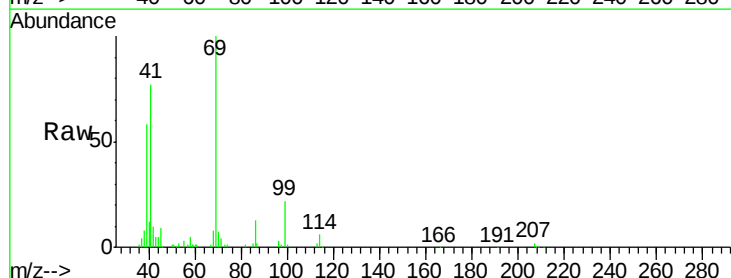
Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion: 69 Resp: 56548

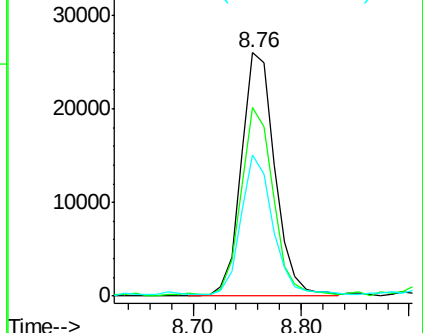
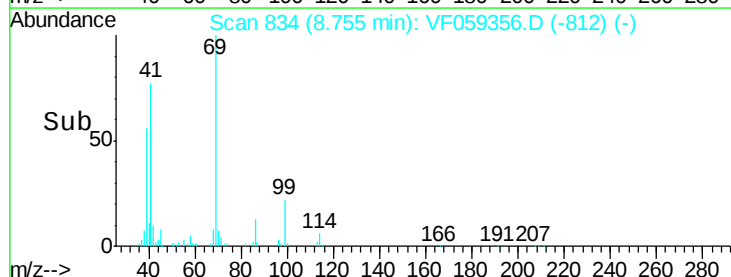
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.3	90.5
39	58.0	42.2	63.4

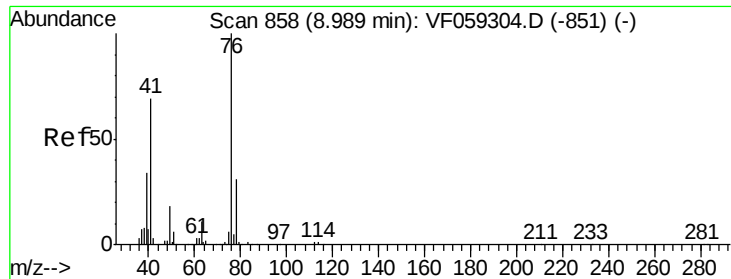


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.682 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

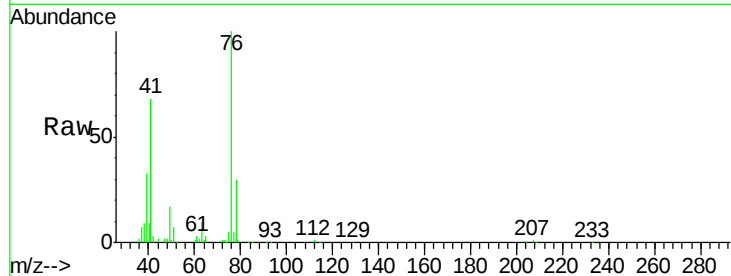
VF0628SBS01

Tot Ion: 76 Resp: 85308

Ion Ratio Lower Upper

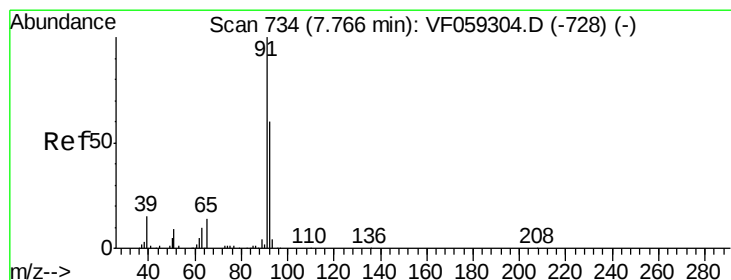
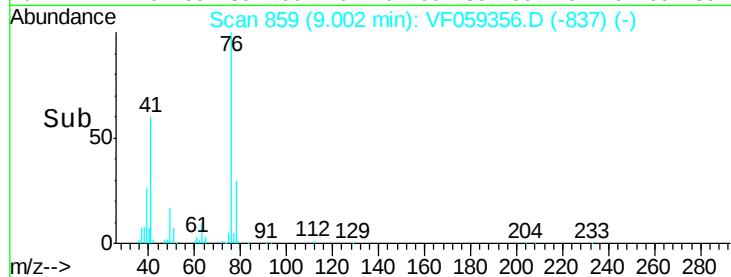
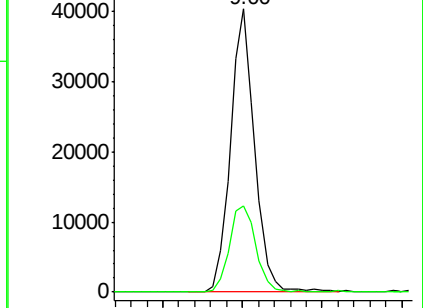
76 100

78 30.4 24.9 37.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 100.062 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059356.D

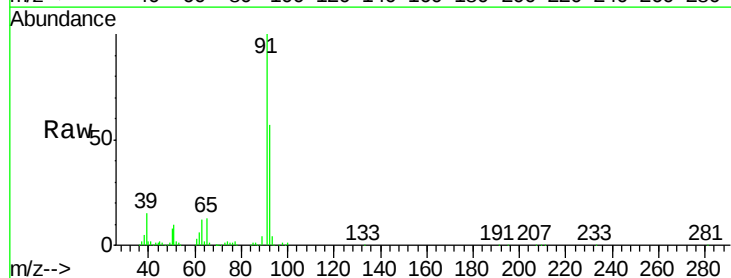
Acq: 28 Jun 2018 13:14

Tgt Ion: 63 Resp: 22358

Ion Ratio Lower Upper

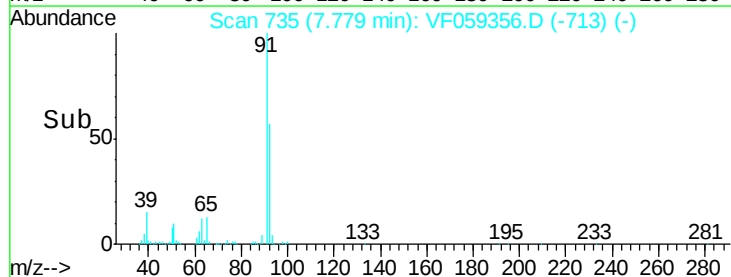
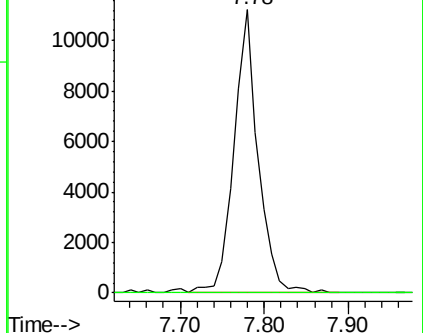
63 100

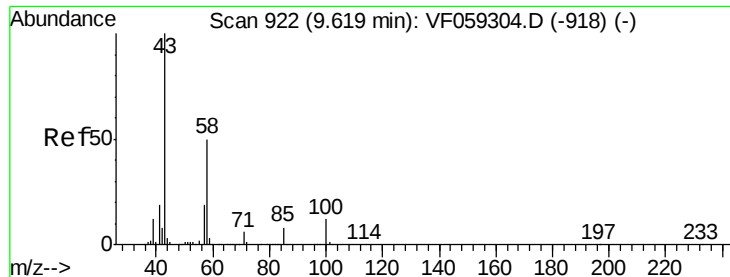
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

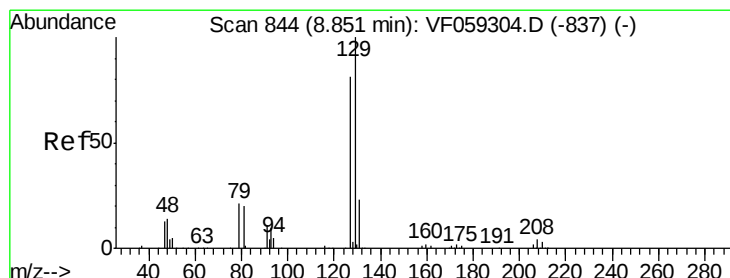
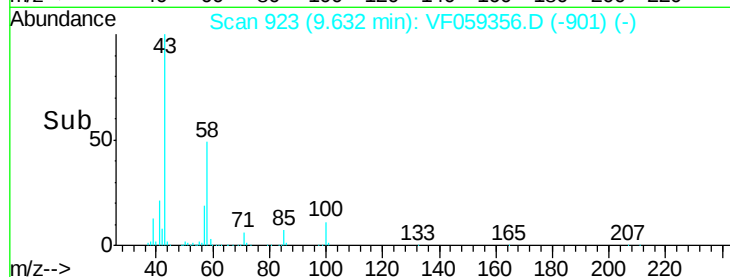
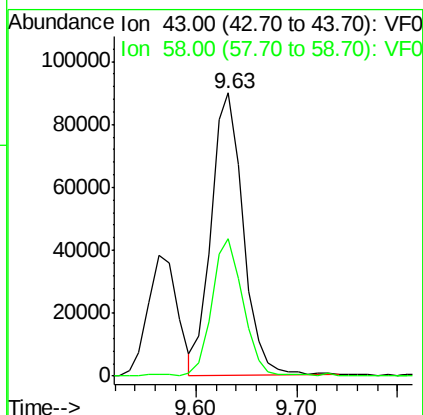
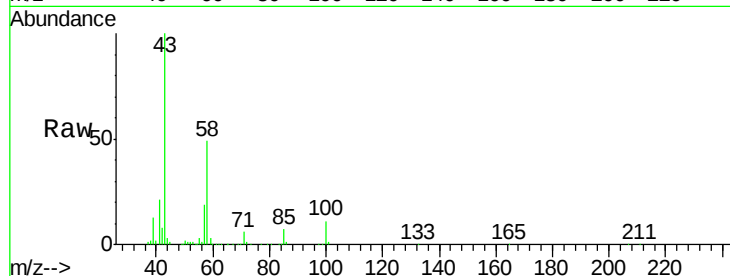




#59
2-Hexanone
Concen: 104.541 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

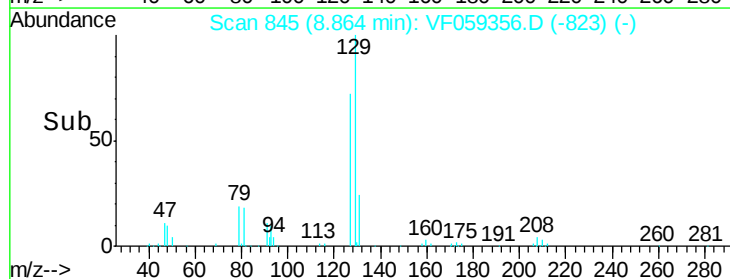
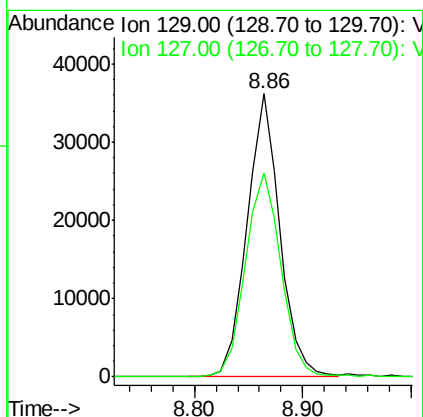
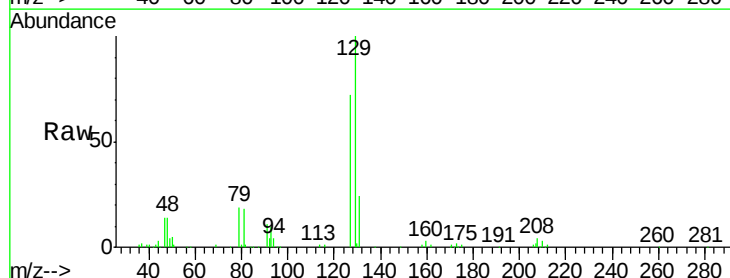
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

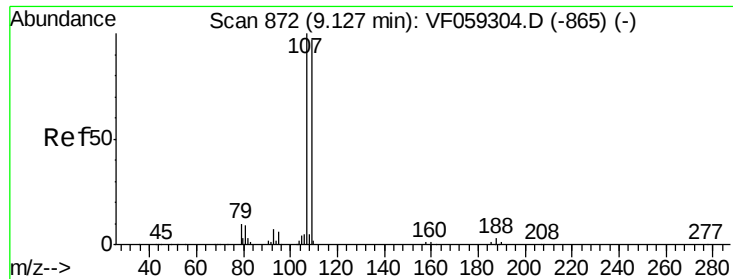
Tot Ion: 43 Resp: 197960
Ion Ratio Lower Upper
43 100
58 48.8 23.3 69.9



#60
Dibromochloromethane
Concen: 20.460 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion: 129 Resp: 75968
Ion Ratio Lower Upper
129 100
127 71.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.116 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

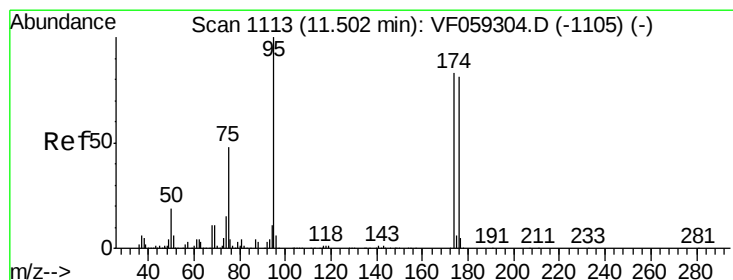
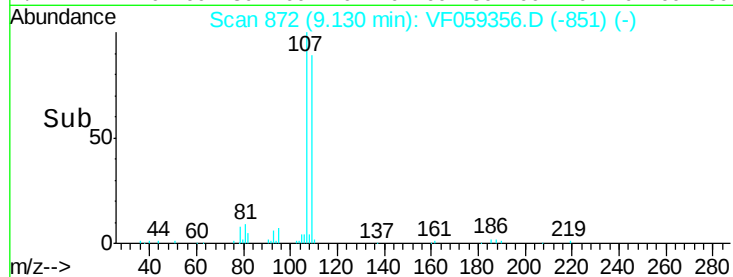
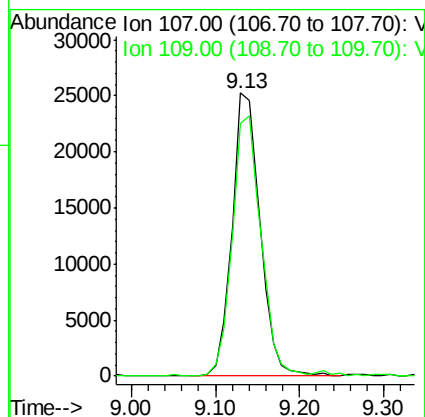
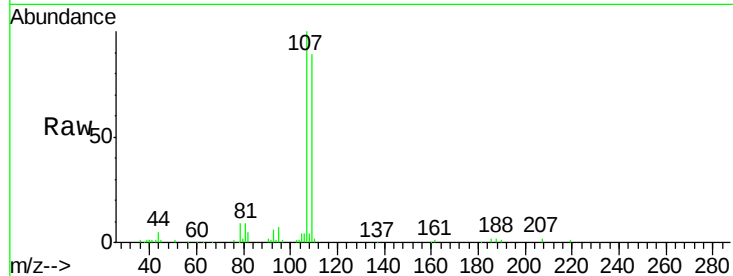
VF0628SBS01

Tot Ion:107 Resp: 58673

Ion Ratio Lower Upper

107 100

109 89.3 77.3 115.9



#62

4-Bromofluorobenzene

Concen: 47.399 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

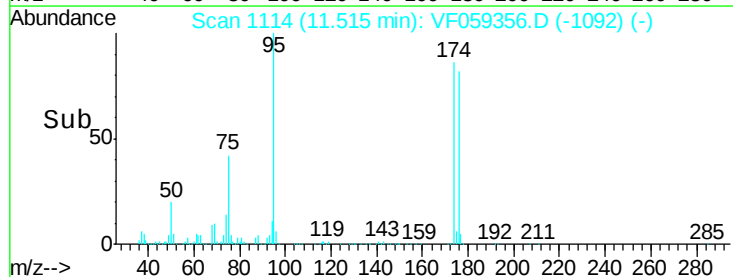
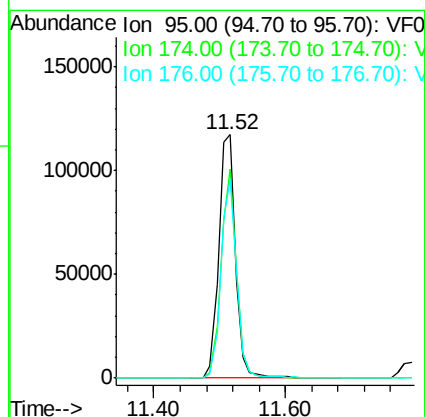
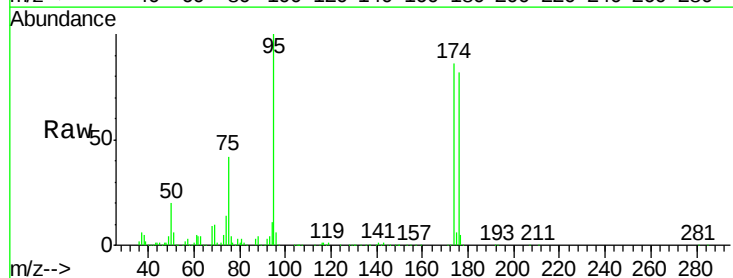
Tgt Ion: 95 Resp: 206720

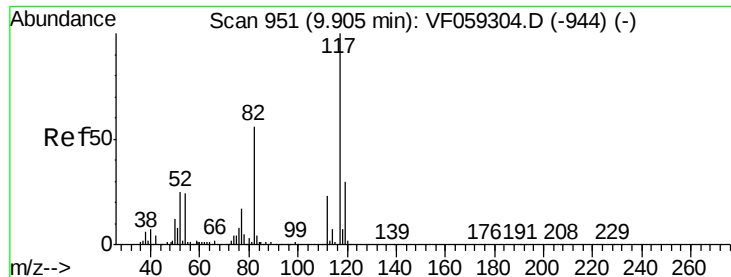
Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.2

176 81.7 0.0 161.0

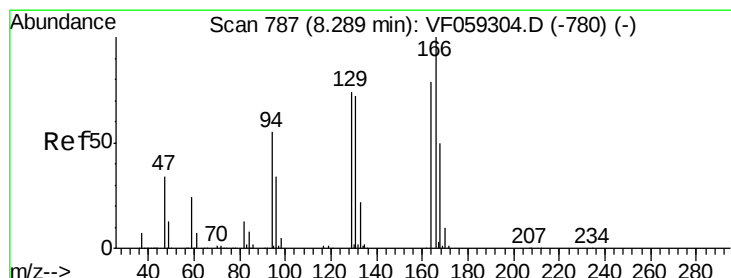
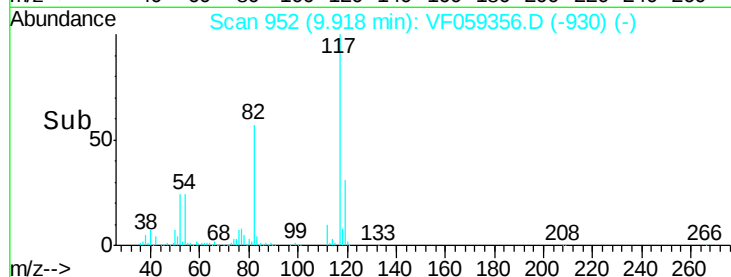
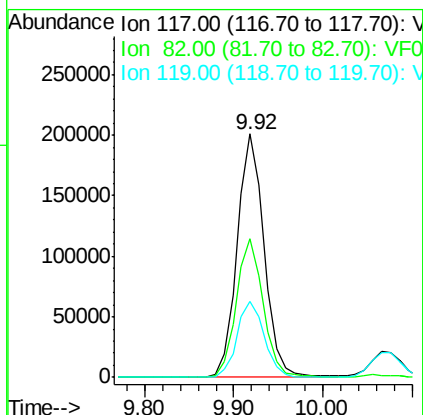
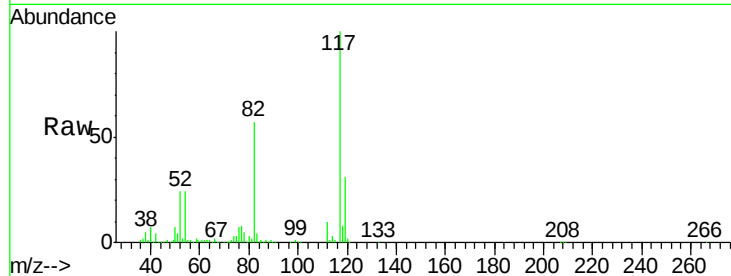




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

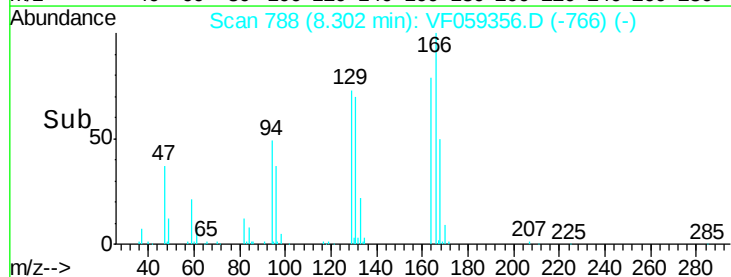
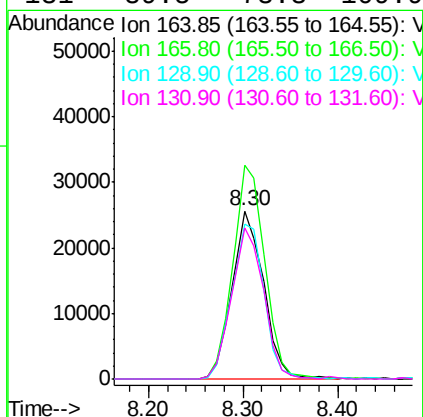
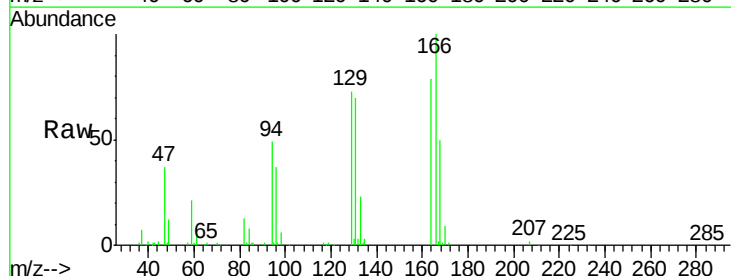
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

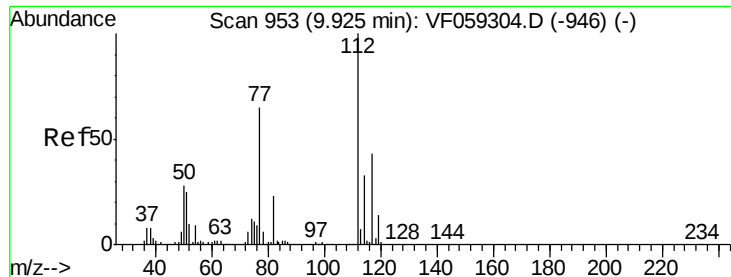
Tot Ion:117 Resp: 422680
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 31.1 24.1 36.1



#64
Tetrachloroethene
Concen: 21.687 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion:164 Resp: 59453
Ion Ratio Lower Upper
164 100
166 127.0 101.1 151.7
129 92.5 75.0 112.4
131 89.5 73.3 109.9

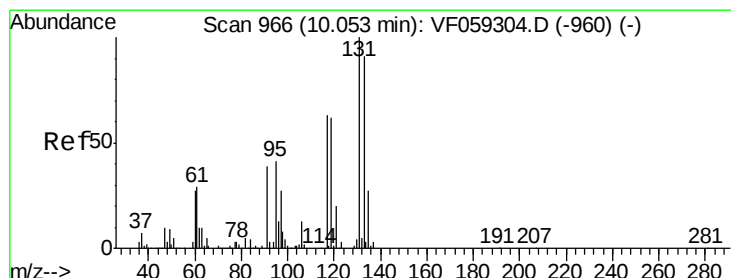
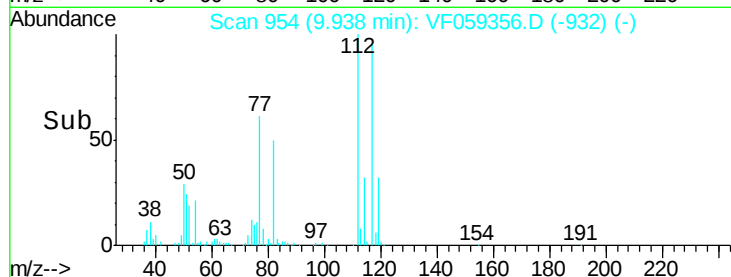
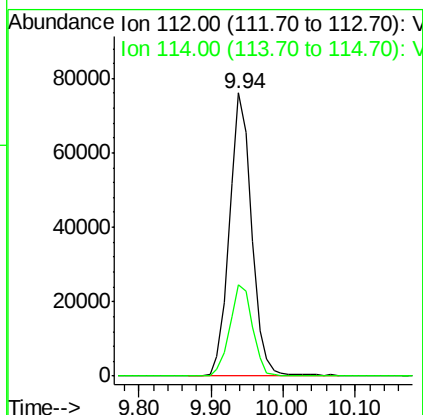
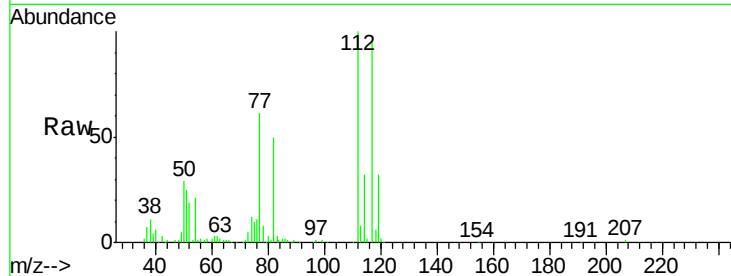




#65
Chlorobenzene
Concen: 20.995 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

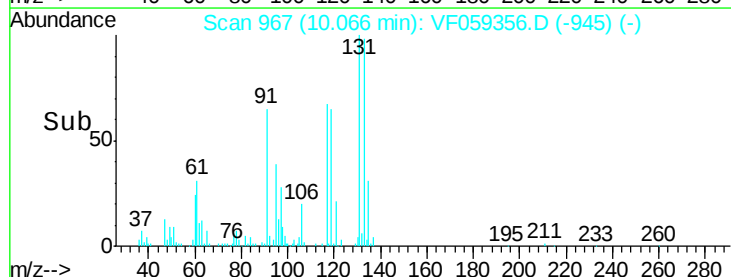
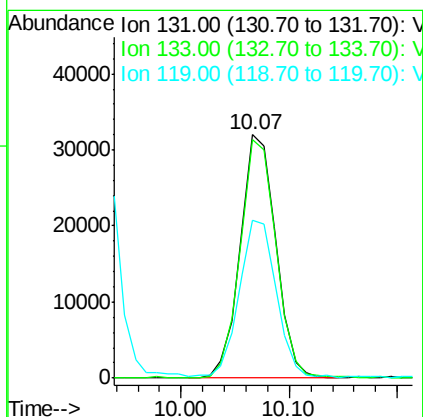
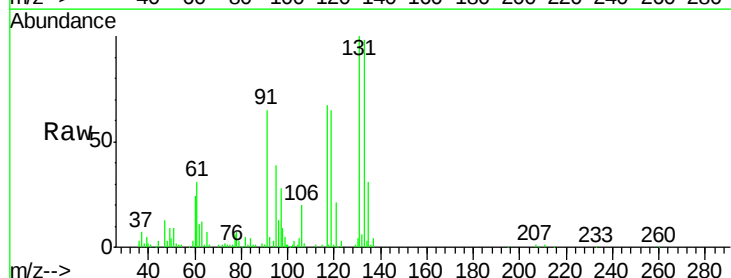
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

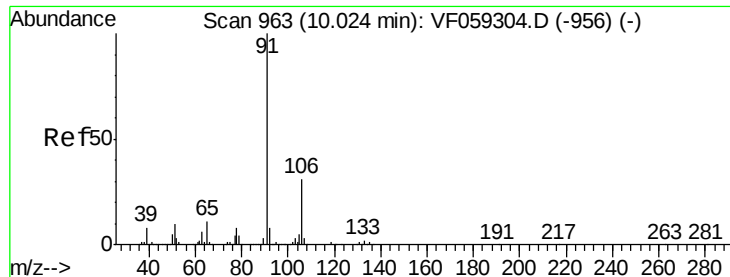
Tot Ion:112 Resp: 164440
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.670 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion:131 Resp: 73408
Ion Ratio Lower Upper
131 100
133 98.2 45.3 135.9
119 64.6 31.3 93.9





#67

Ethyl Benzene

Concen: 21.615 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

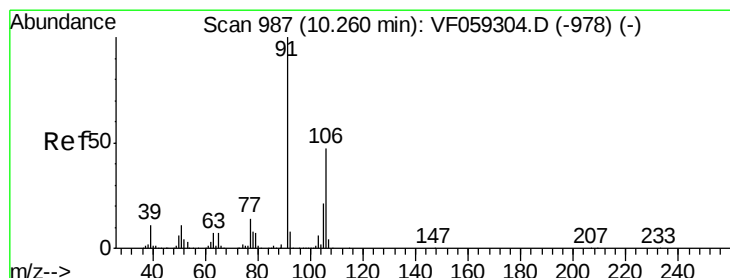
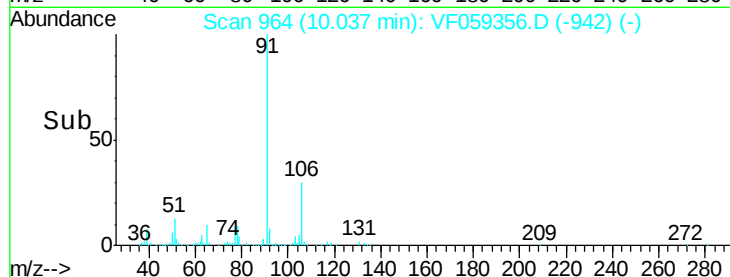
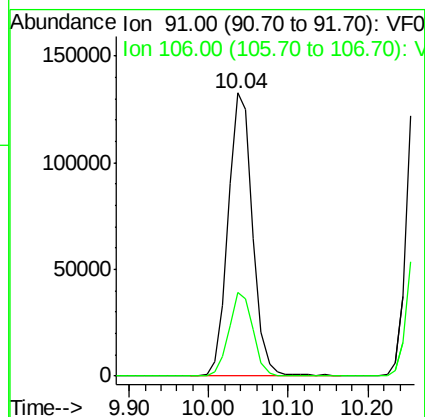
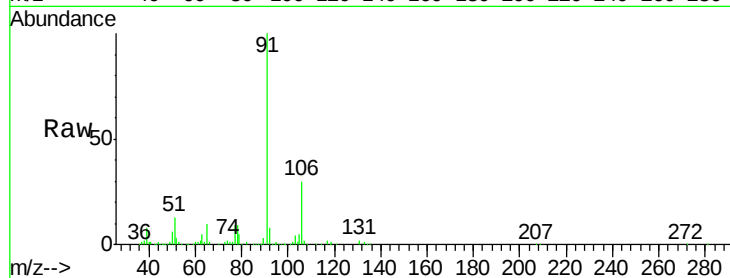
VF0628SBS01

Tot Ion: 91 Resp: 287198

Ion Ratio Lower Upper

91 100

106 29.7 24.8 37.2



#68

m/p-Xylenes

Concen: 43.919 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059356.D

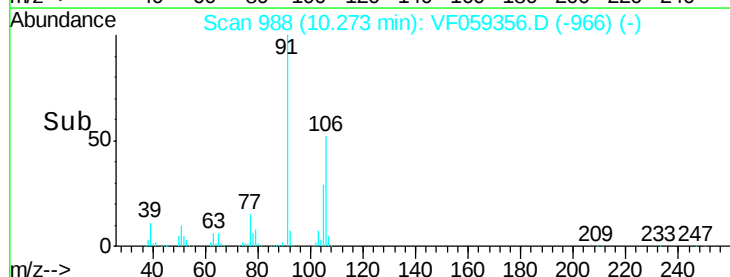
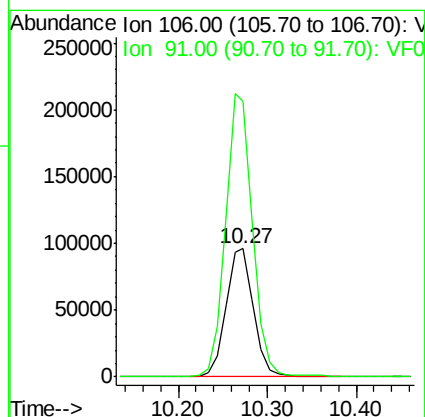
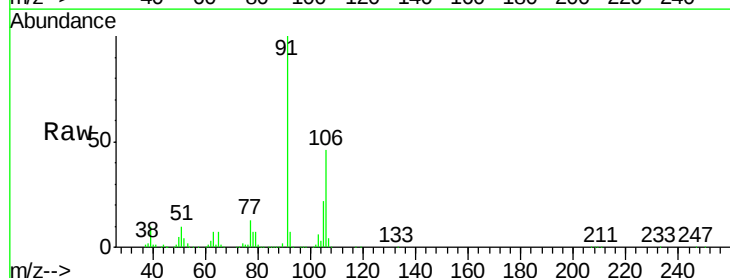
Acq: 28 Jun 2018 13:14

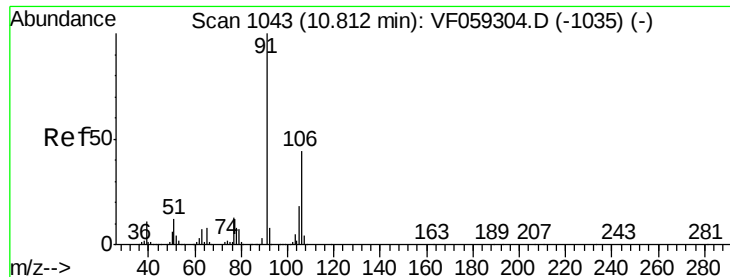
Tgt Ion: 106 Resp: 207704

Ion Ratio Lower Upper

106 100

91 215.1 170.8 256.2

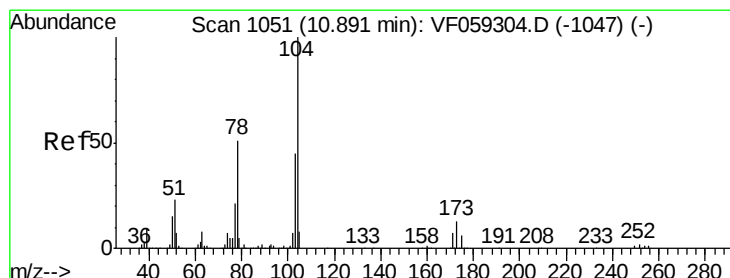
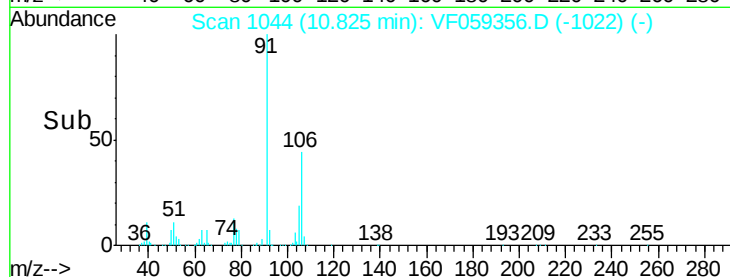
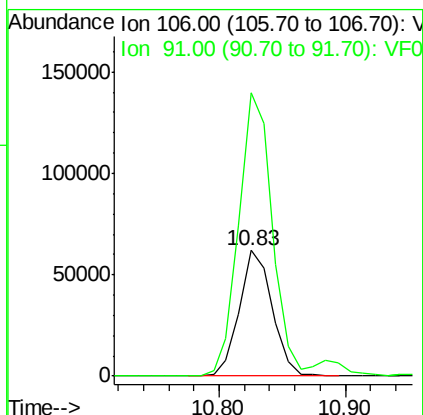
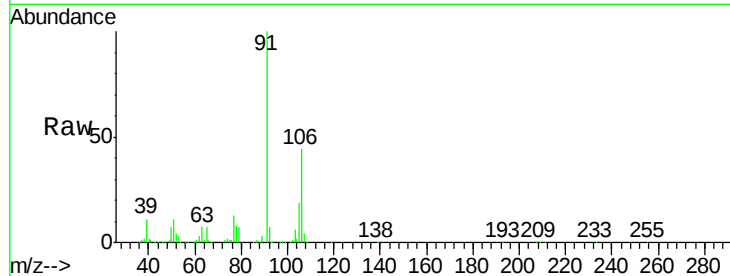




#69
o-Xylene
Concen: 21.233 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

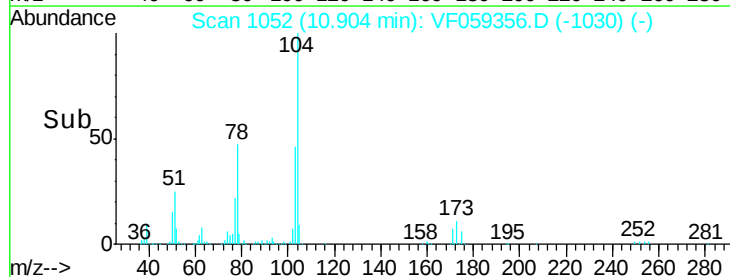
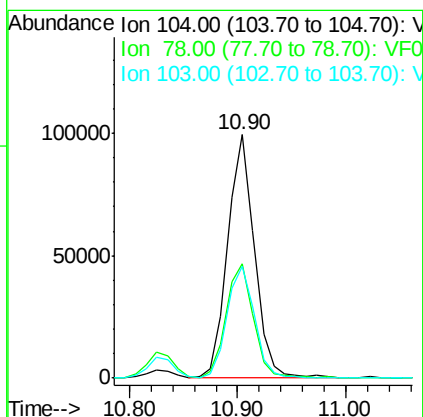
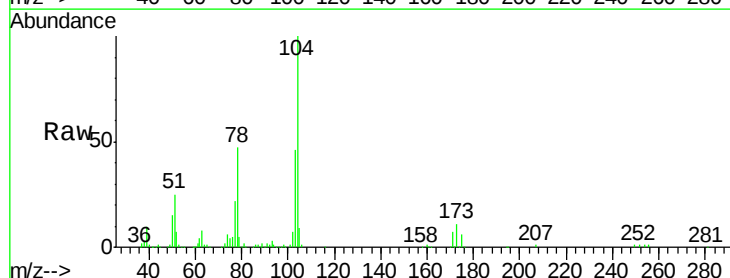
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

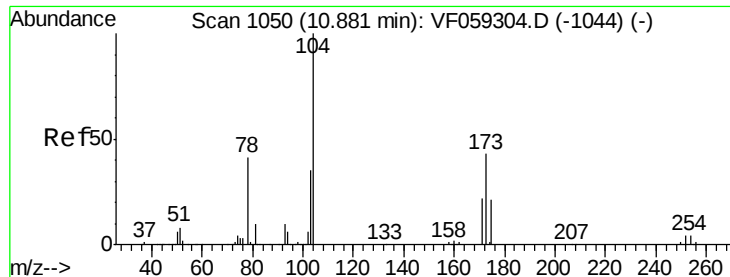
Tot Ion:106 Resp: 112315
Ion Ratio Lower Upper
106 100
91 225.8 114.6 343.6



#70
Styrene
Concen: 21.076 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion:104 Resp: 169823
Ion Ratio Lower Upper
104 100
78 47.2 40.9 61.3
103 46.0 36.5 54.7





#71

Bromoform

Concen: 20.609 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

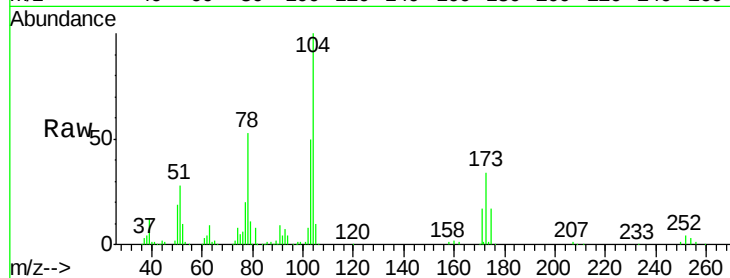
Tot Ion:173 Resp: 47852

Ion Ratio Lower Upper

173 100

175 50.7 24.8 74.3

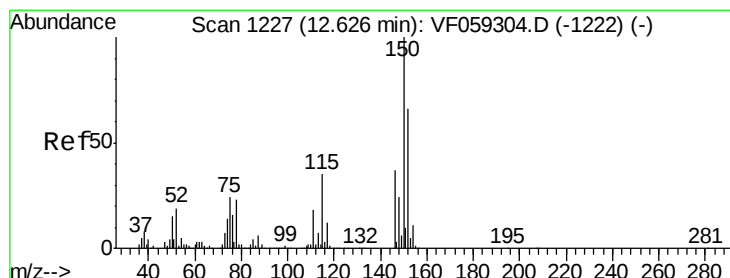
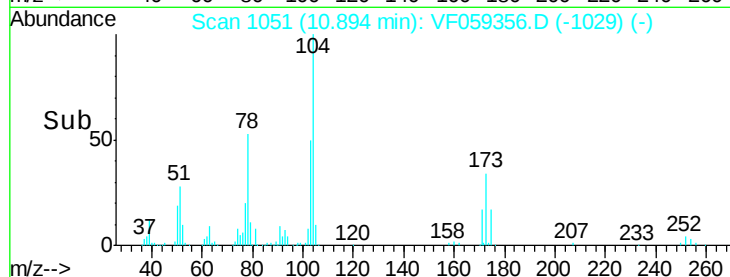
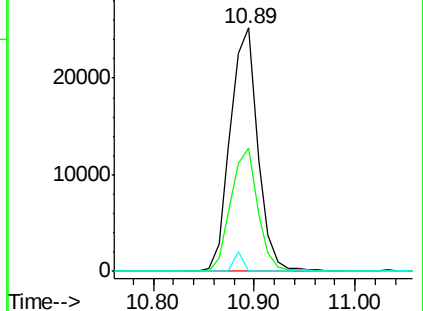
254 0.0 0.0 0.0



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: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

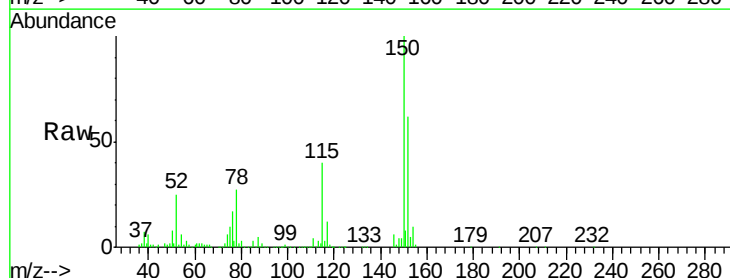
Tgt Ion:152 Resp: 268113

Ion Ratio Lower Upper

152 100

115 65.0 27.1 81.3

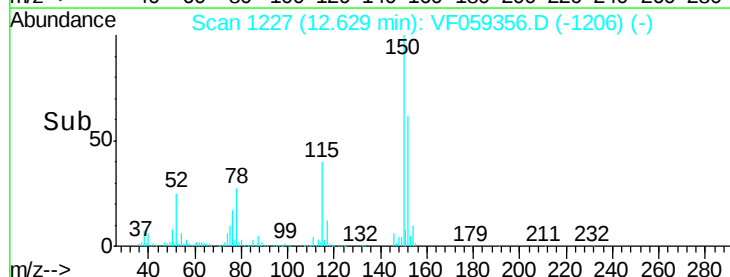
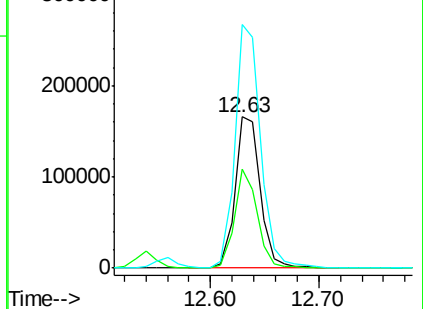
150 160.9 0.0 305.2

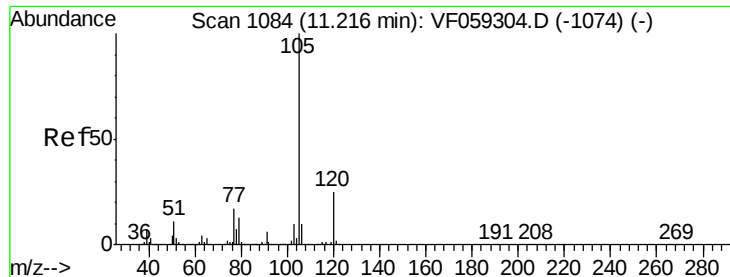


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.877 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

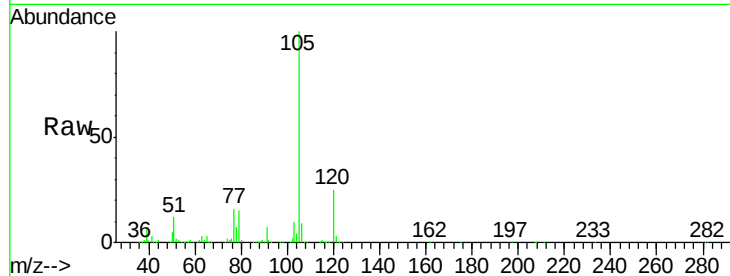
VF0628SBS01

Tot Ion:105 Resp: 341709

Ion Ratio Lower Upper

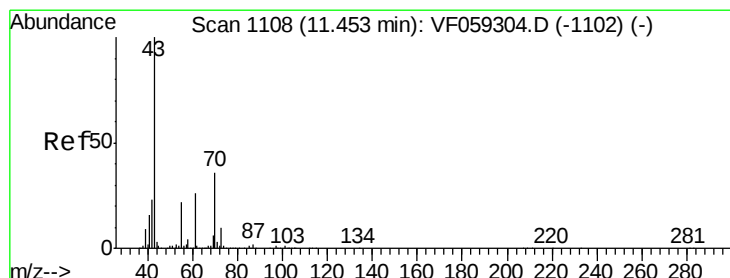
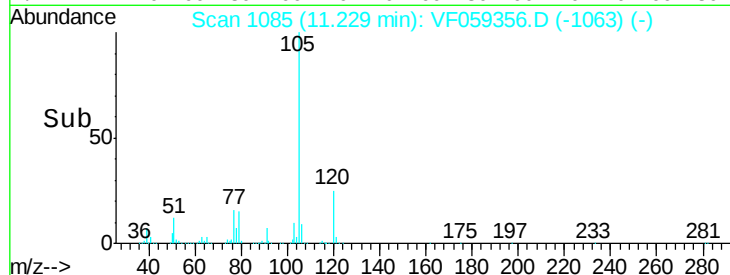
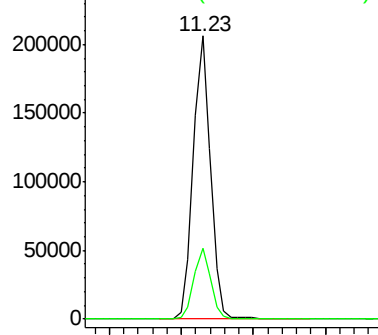
105 100

120 25.1 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.351 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Tgt Ion: 43 Resp: 115351

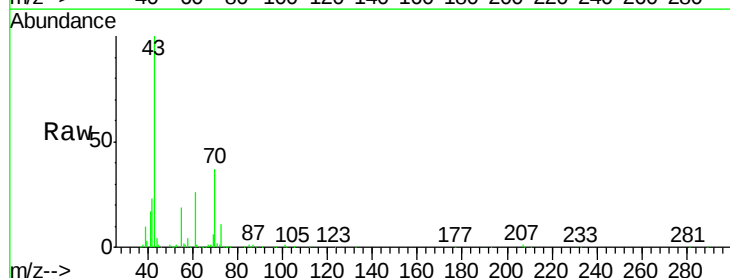
Ion Ratio Lower Upper

43 100

70 36.7 28.8 43.2

55 18.6 17.4 26.0

61 25.6 21.1 31.7

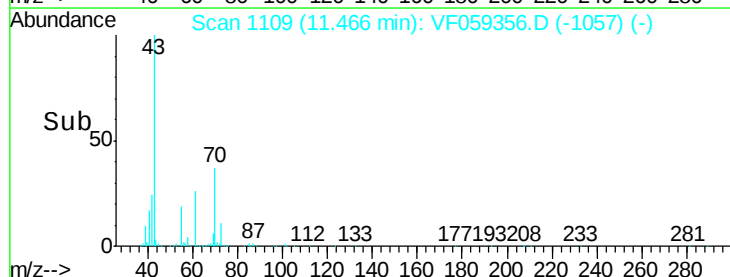
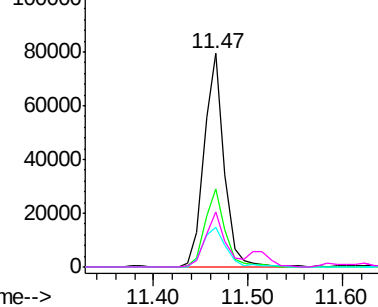


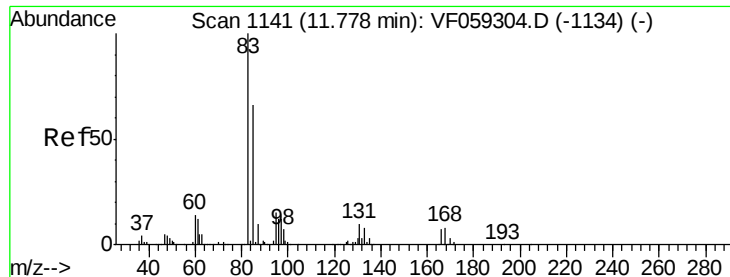
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.254 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

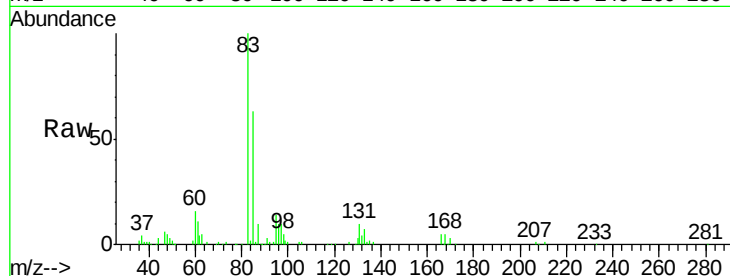
Tot Ion: 83 Resp: 79899

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

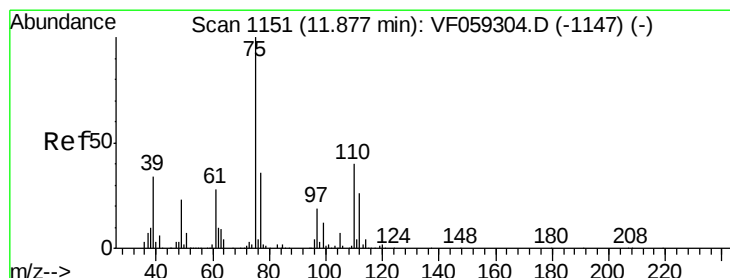
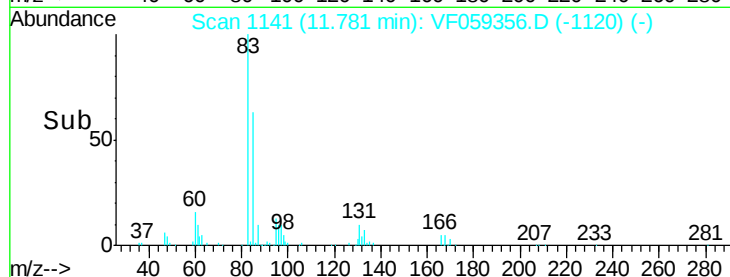
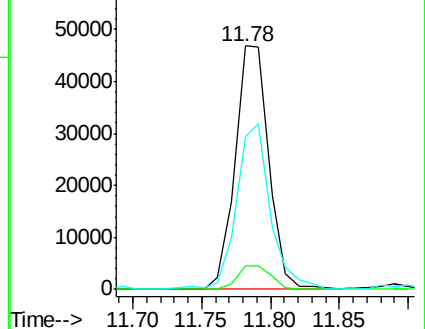
85 62.9 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.341 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059356.D

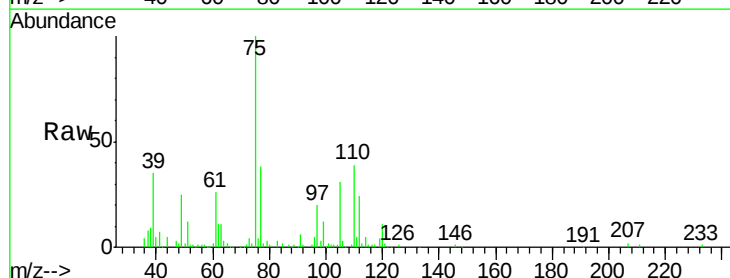
Acq: 28 Jun 2018 13:14

Tgt Ion: 75 Resp: 60528

Ion Ratio Lower Upper

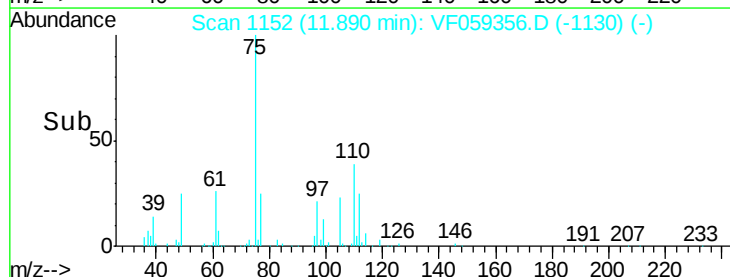
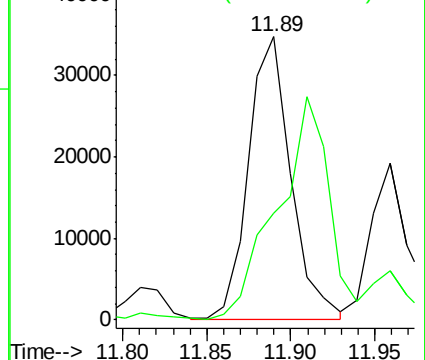
75 100

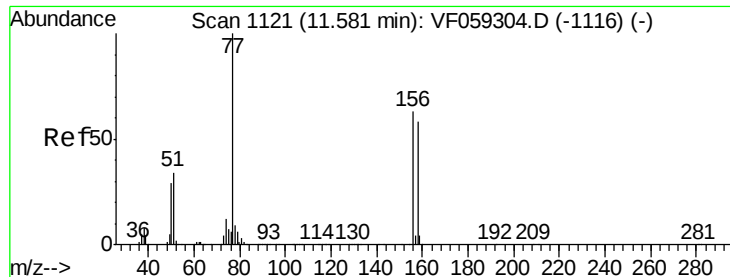
77 37.6 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.473 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

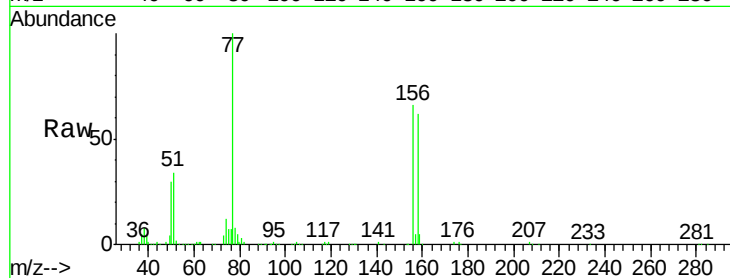
Tot Ion:156 Resp: 88719

Ion Ratio Lower Upper

156 100

77 152.5 79.7 238.9

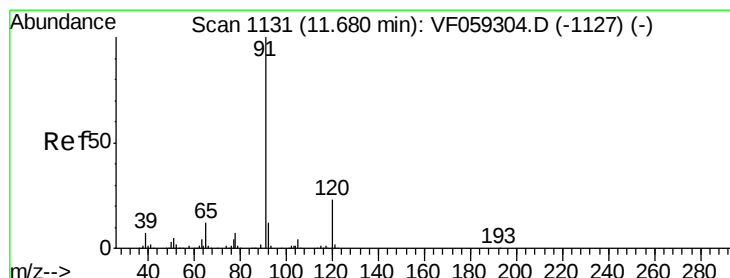
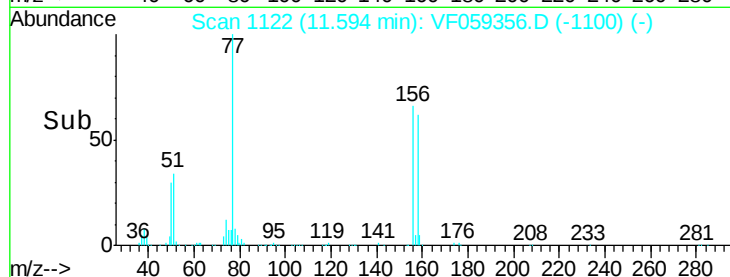
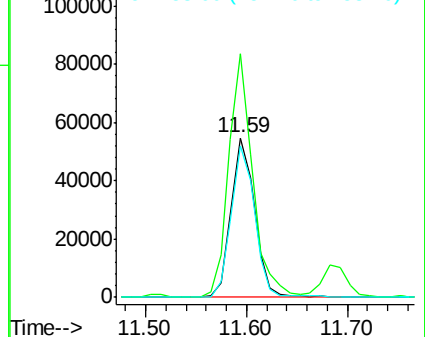
158 94.6 46.2 138.6



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: 22.038 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059356.D

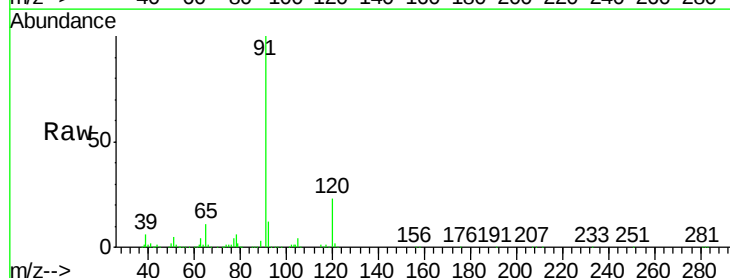
Acq: 28 Jun 2018 13:14

Tgt Ion: 91 Resp: 413400

Ion Ratio Lower Upper

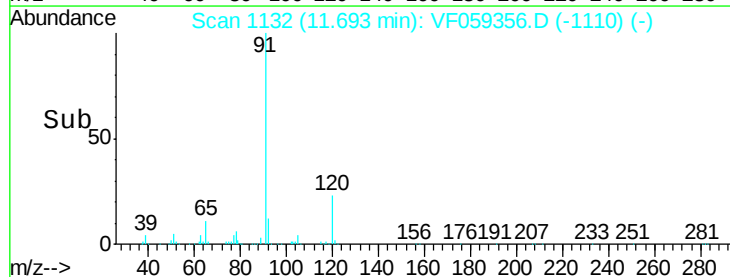
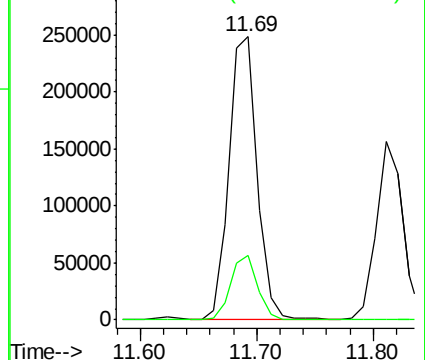
91 100

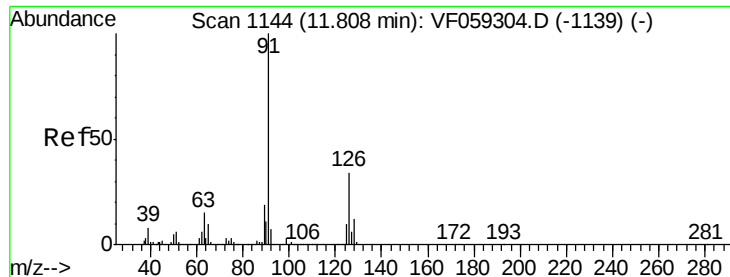
120 22.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

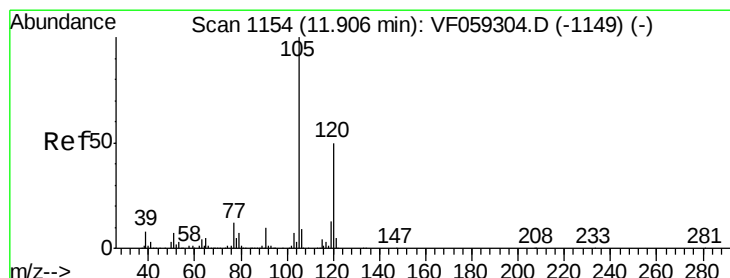
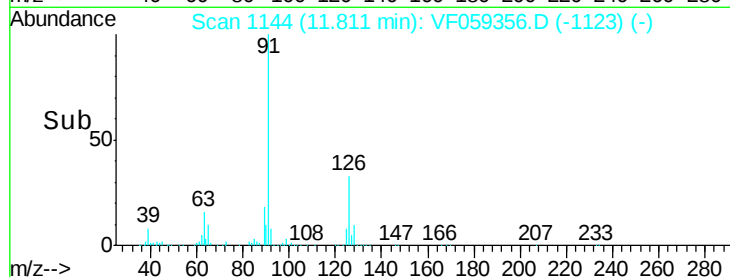
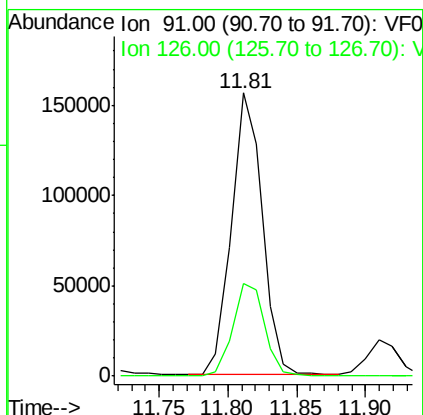
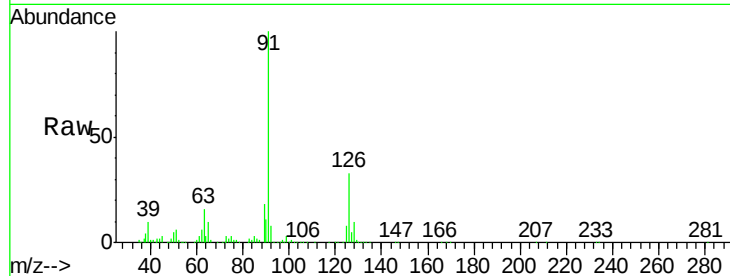




#79
2-Chlorotoluene
Concen: 21.294 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

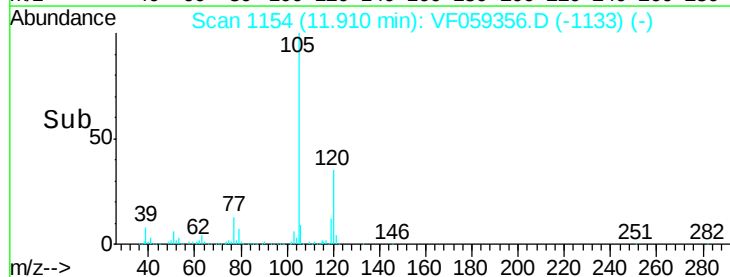
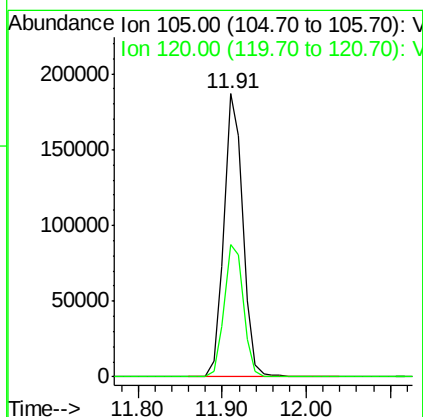
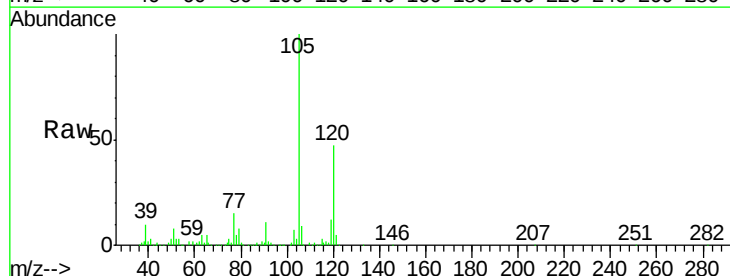
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

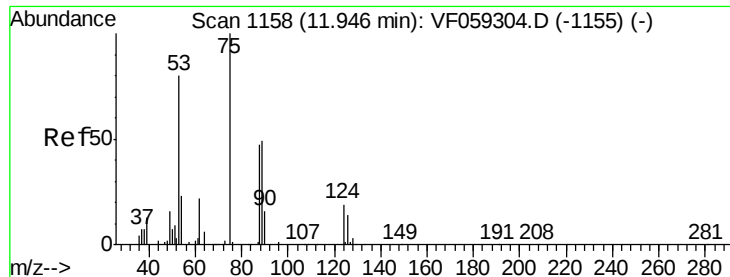
Tot Ion: 91 Resp: 244042
Ion Ratio Lower Upper
91 100
126 32.9 17.2 51.5



#80
1,3,5-Trimethylbenzene
Concen: 21.382 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion:105 Resp: 292558
Ion Ratio Lower Upper
105 100
120 46.8 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.137 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

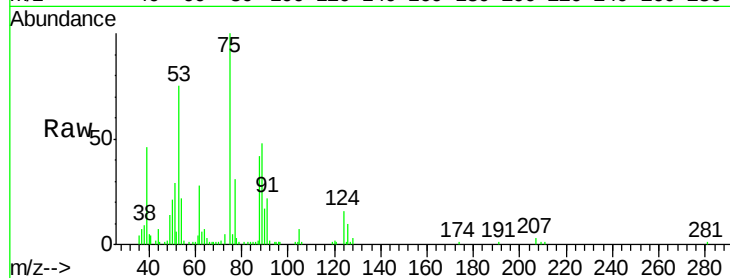
Tot Ion: 75 Resp: 37435

Ion Ratio Lower Upper

75 100

53 74.5 68.8 103.2

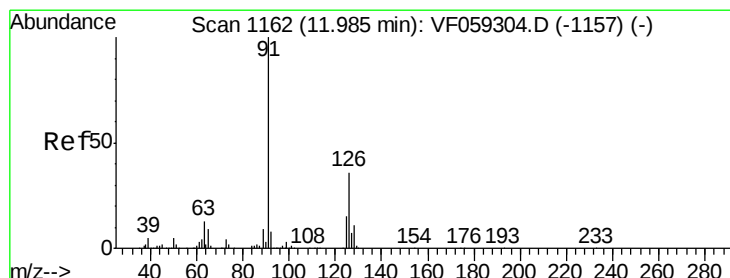
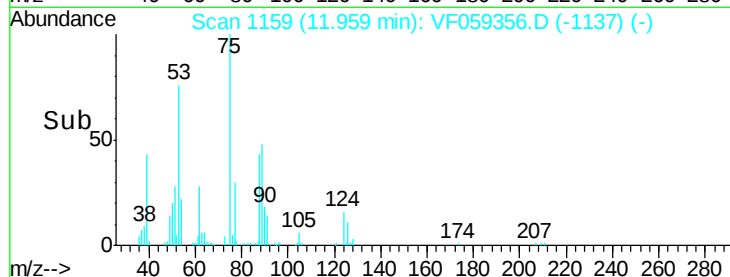
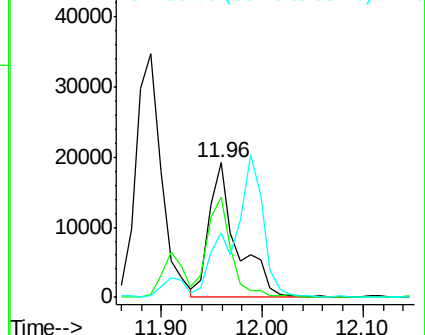
89 47.5 42.0 63.0



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: 21.761 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059356.D

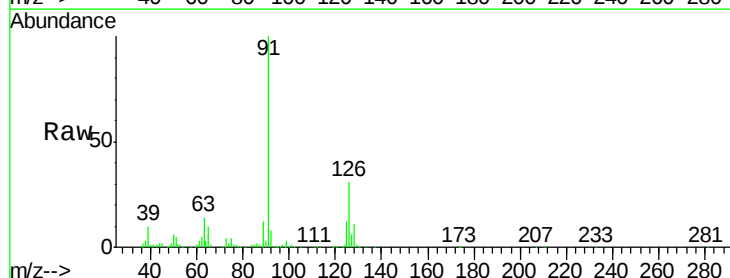
Acq: 28 Jun 2018 13:14

Tgt Ion: 91 Resp: 267126

Ion Ratio Lower Upper

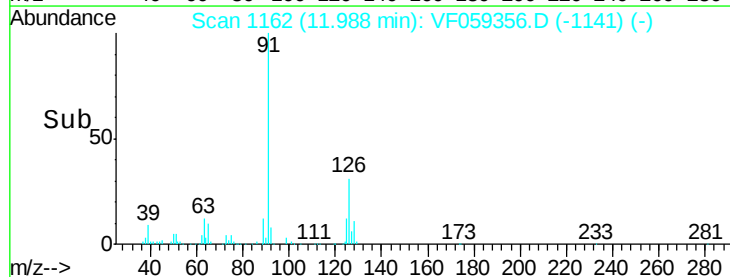
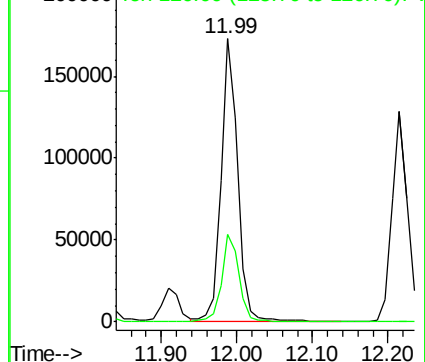
91 100

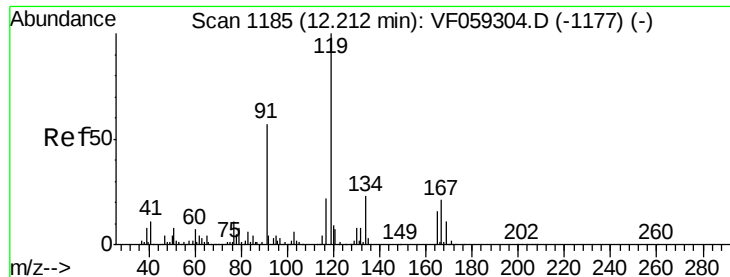
126 30.8 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.361 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

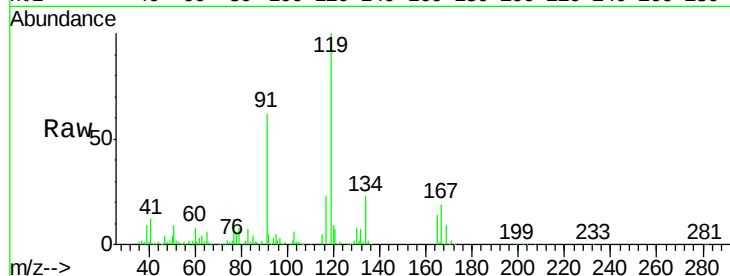
Tot Ion:119 Resp: 305991

Ion Ratio Lower Upper

119 100

91 62.0 28.4 85.2

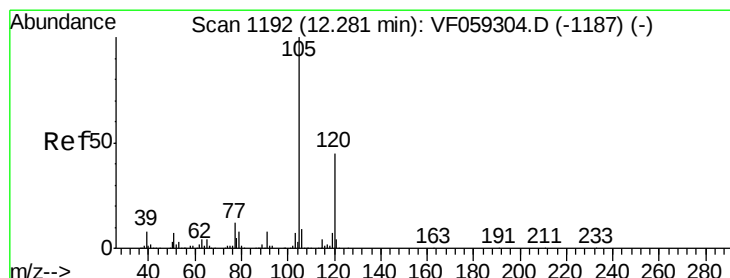
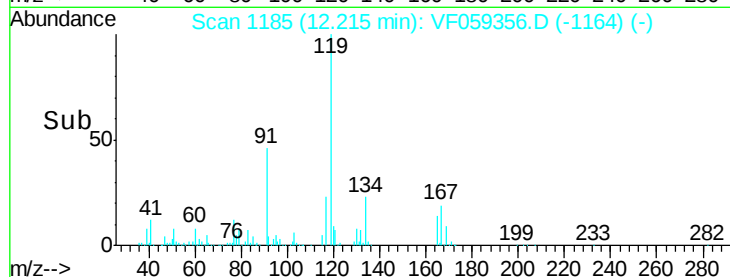
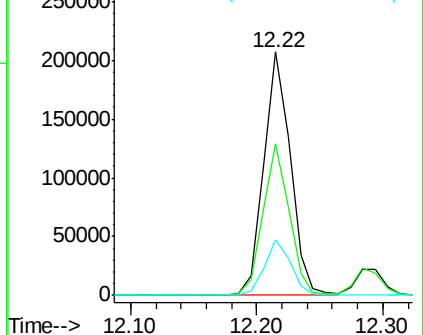
134 22.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.396 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF059356.D

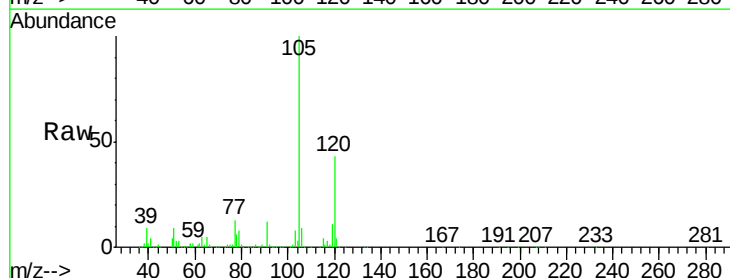
Acq: 28 Jun 2018 13:14

Tgt Ion:105 Resp: 308314

Ion Ratio Lower Upper

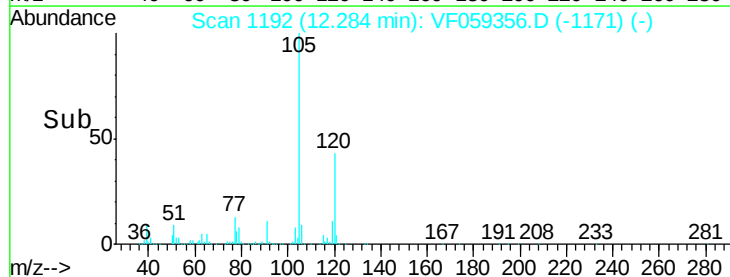
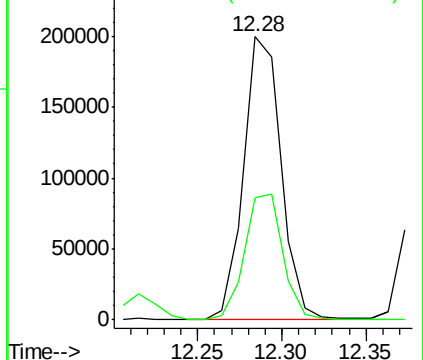
105 100

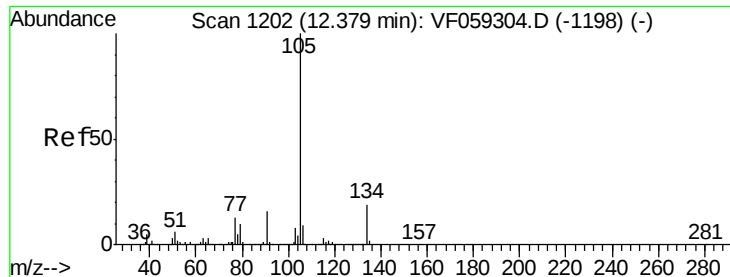
120 43.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

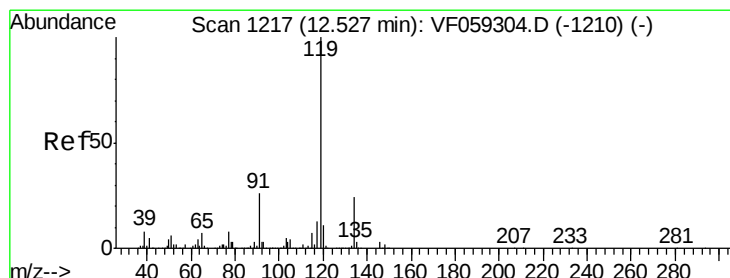
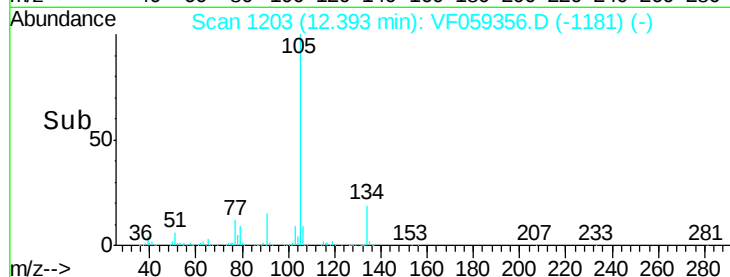
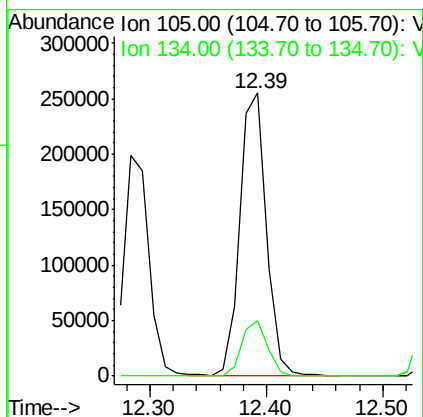
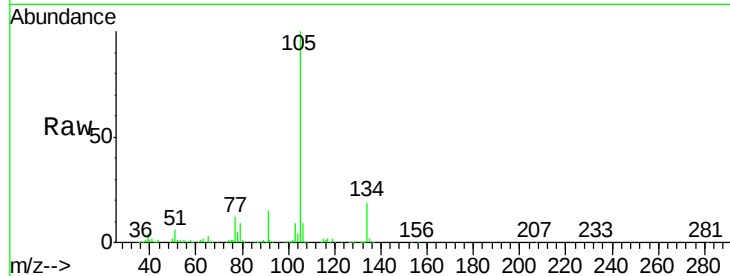




#85
 sec-Butylbenzene
 Concen: 22.174 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

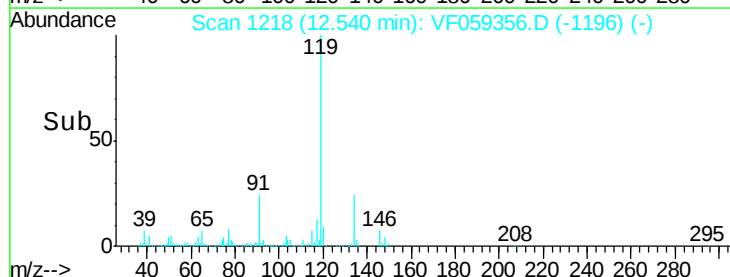
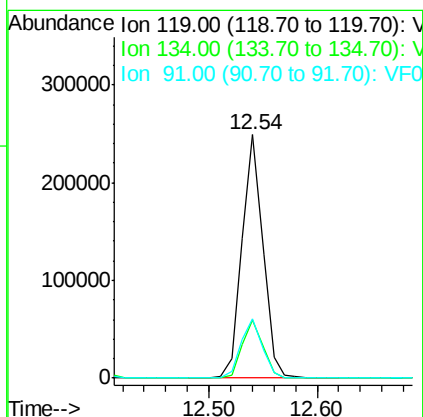
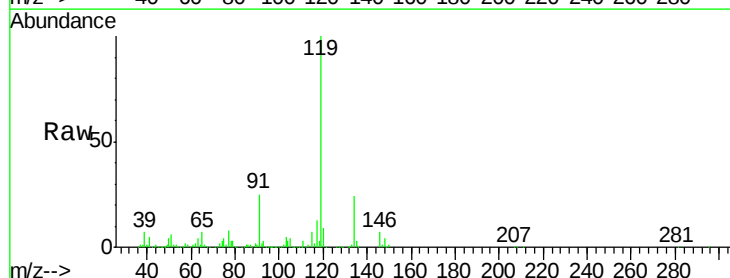
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0628SBS01

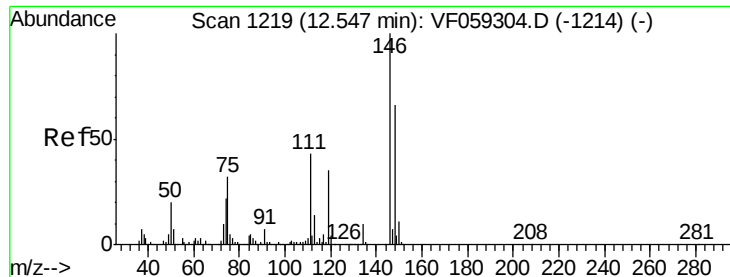
Tot Ion:105 Resp: 402219
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 22.137 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion:119 Resp: 336984
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.2 36.4
 91 24.5 12.9 38.6

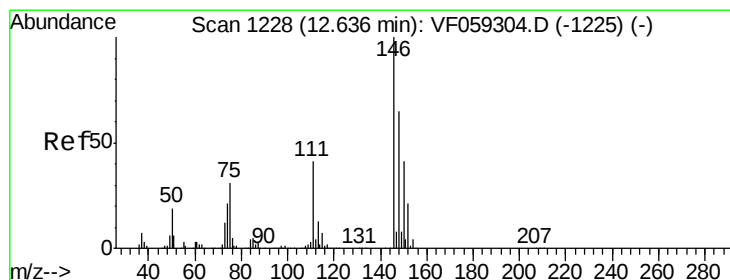
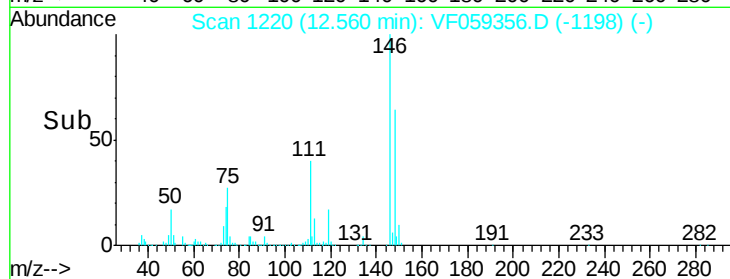
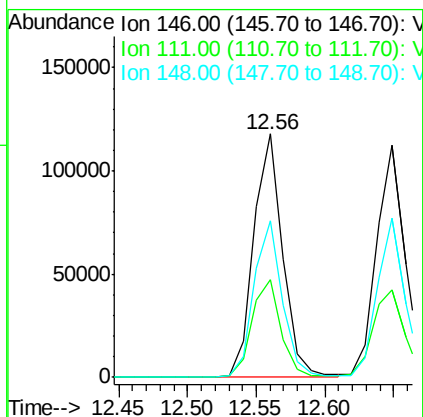
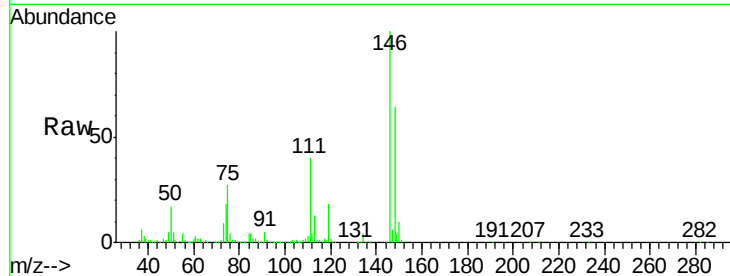




#87
 1,3-Dichlorobenzene
 Concen: 21.671 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

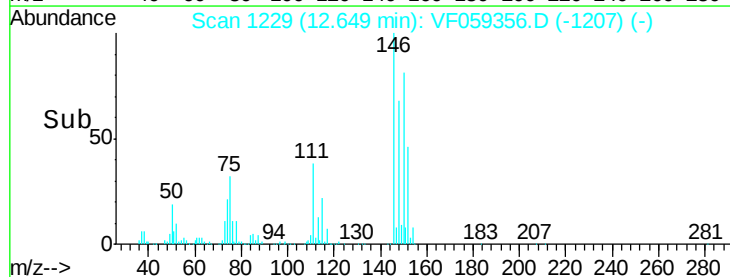
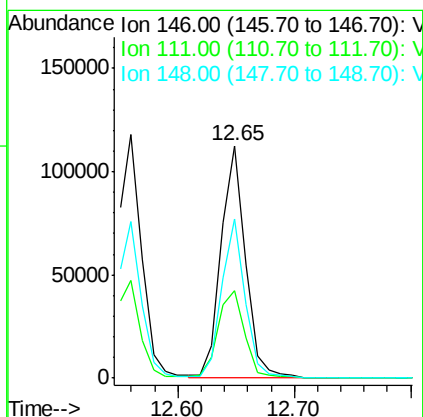
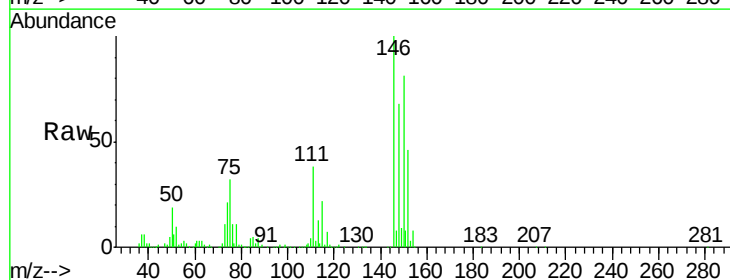
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

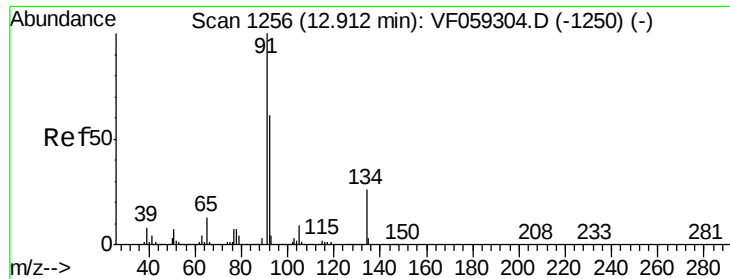
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.4	64.2
148	64.3	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.099 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.7	62.1
148	68.1	32.8	98.3





#89

n-Butylbenzene

Concen: 19.818 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

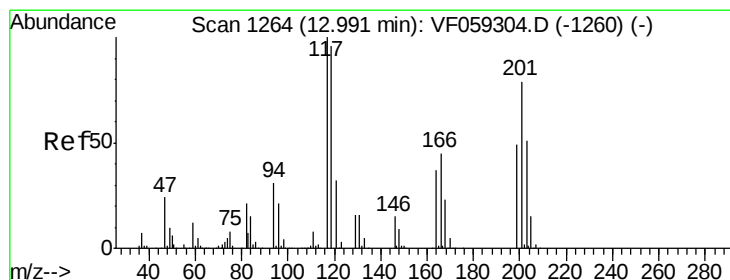
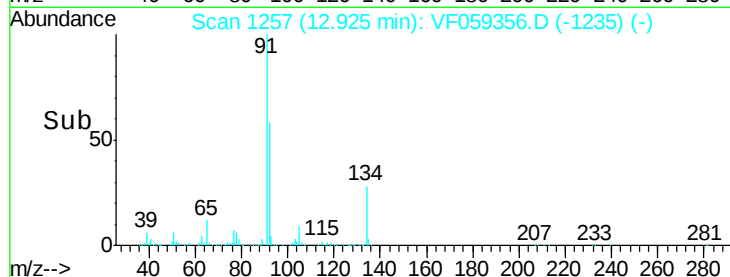
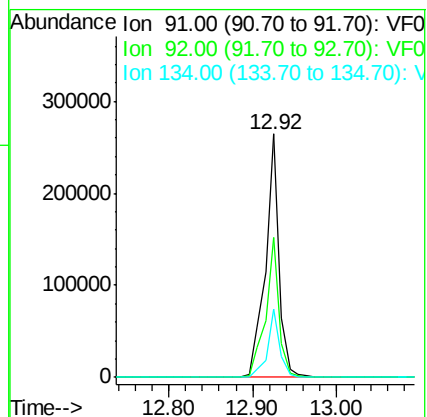
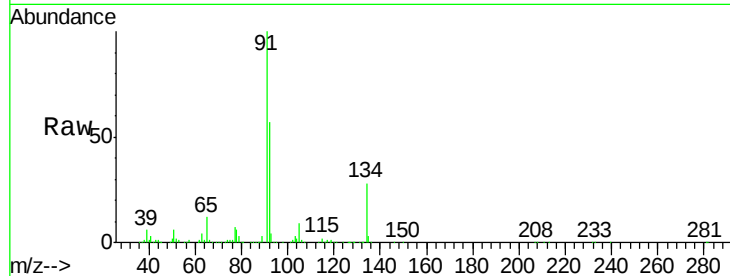
Tot Ion: 91 Resp: 306248

Ion Ratio Lower Upper

91 100

92 57.5 30.3 91.0

134 27.9 12.9 38.7



#90

Hexachloroethane

Concen: 16.598 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059356.D

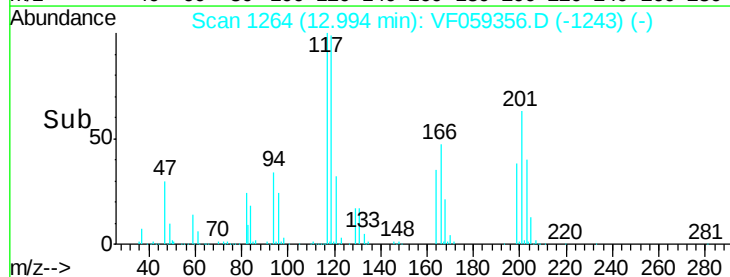
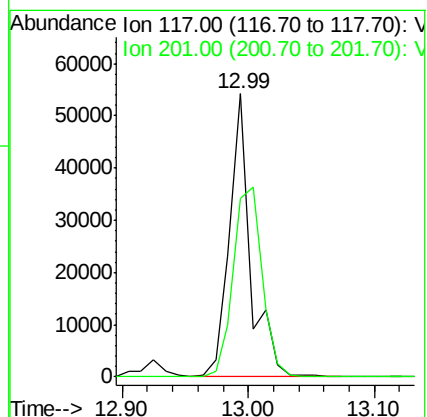
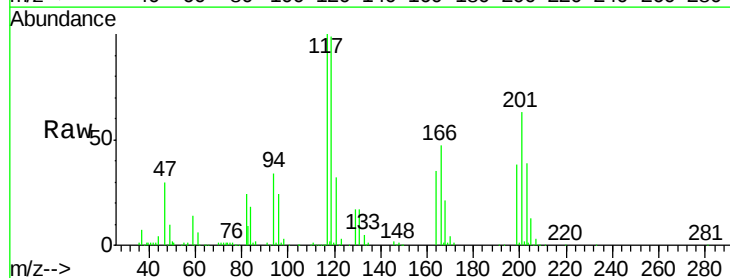
Acq: 28 Jun 2018 13:14

Tgt Ion: 117 Resp: 62972

Ion Ratio Lower Upper

117 100

201 63.1 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 23.334 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

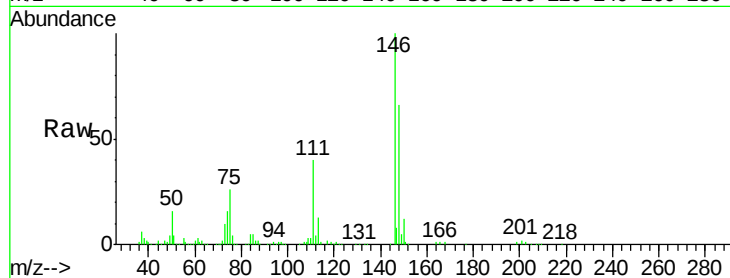
Tot Ion:146 Resp: 183569

Ion Ratio Lower Upper

146 100

111 39.8 22.7 68.0

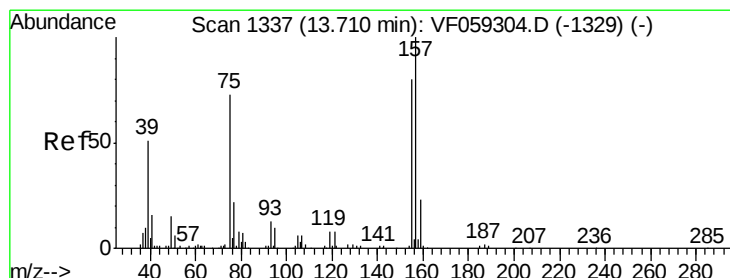
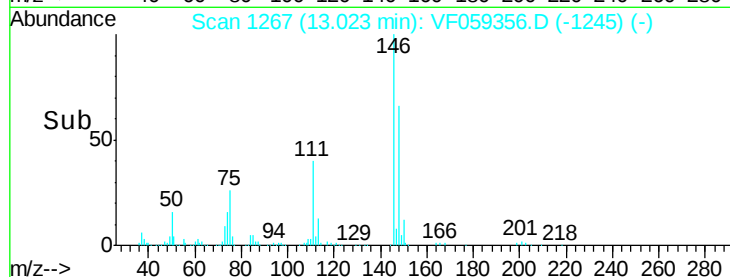
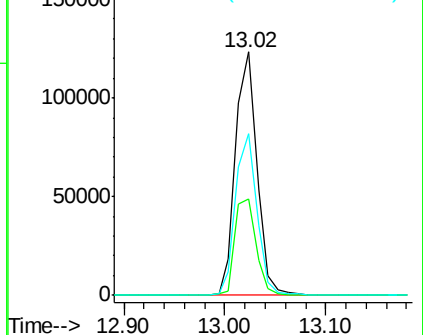
148 66.2 33.5 100.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.469 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059356.D

Acq: 28 Jun 2018 13:14

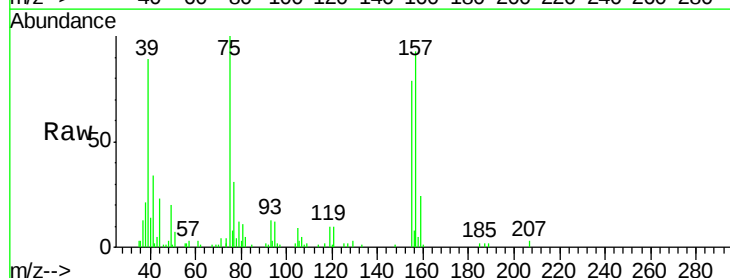
Tgt Ion: 75 Resp: 15276

Ion Ratio Lower Upper

75 100

155 79.3 54.6 163.8

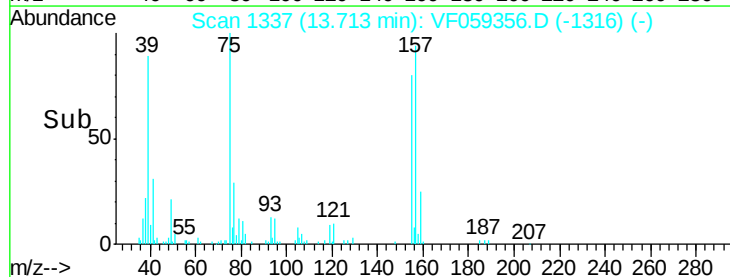
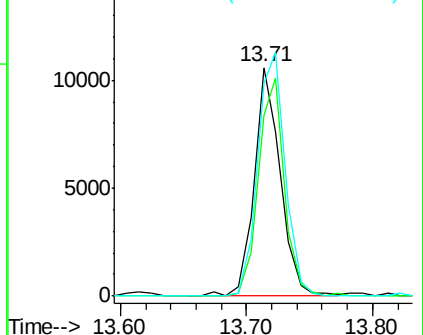
157 93.0 68.7 205.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

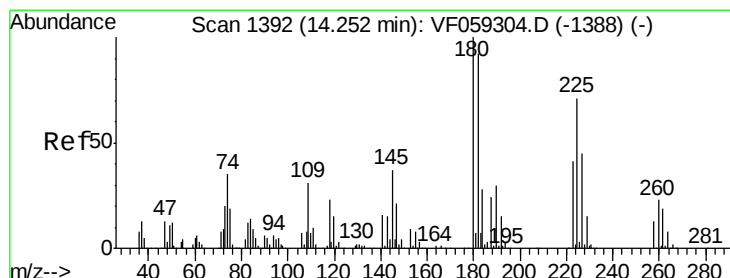
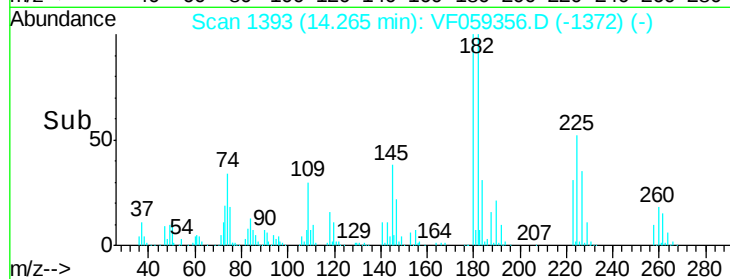
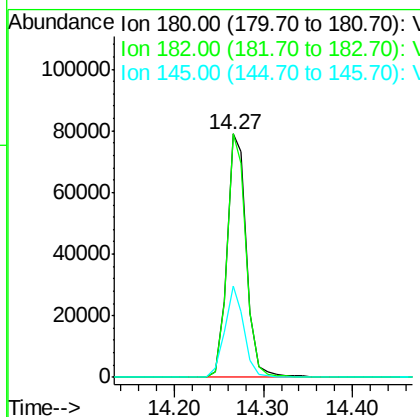
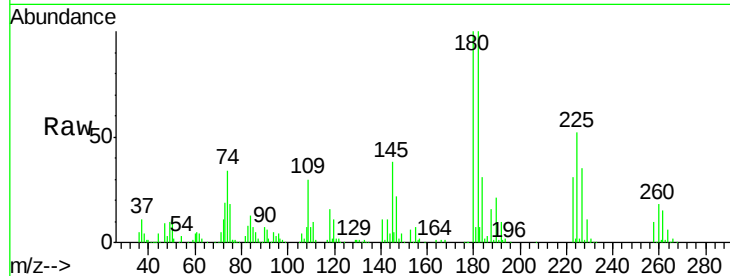




#93
 1,2,4-Trichlorobenzene
 Concen: 21.218 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

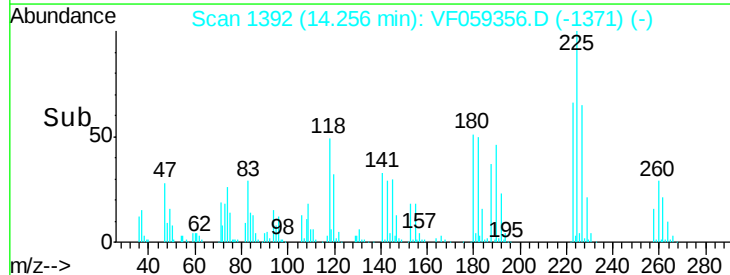
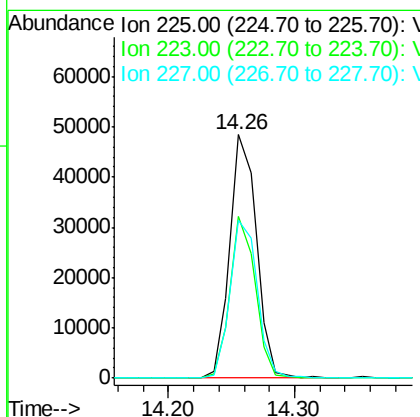
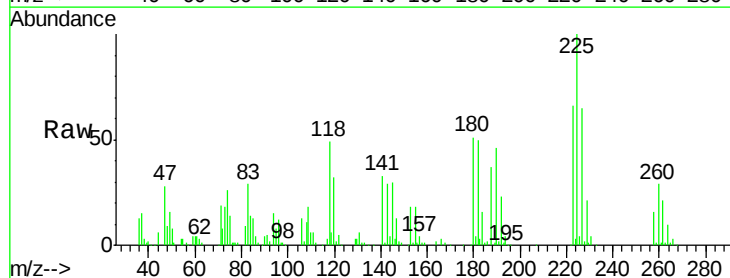
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

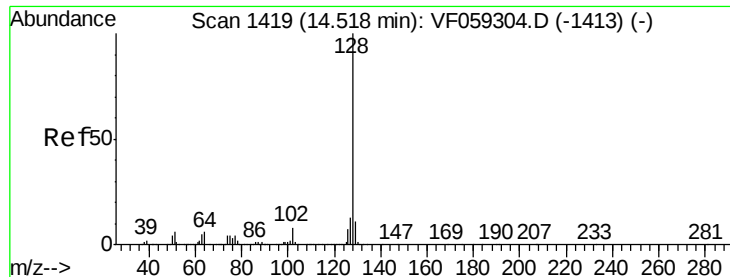
Tot Ion:180 Resp: 123429
 Ion Ratio Lower Upper
 180 100
 182 100.0 48.1 144.3
 145 37.7 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 21.807 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059356.D
 Acq: 28 Jun 2018 13:14

Tgt Ion:225 Resp: 70856
 Ion Ratio Lower Upper
 225 100
 223 66.2 28.9 86.8
 227 64.8 31.3 93.8

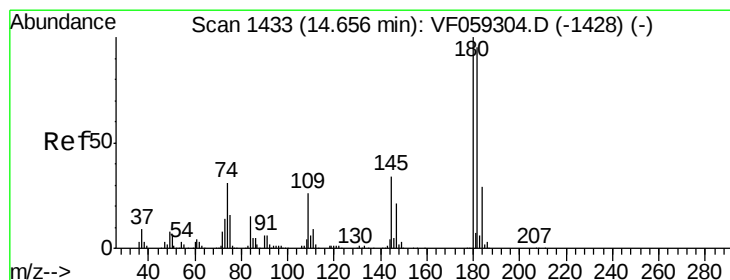
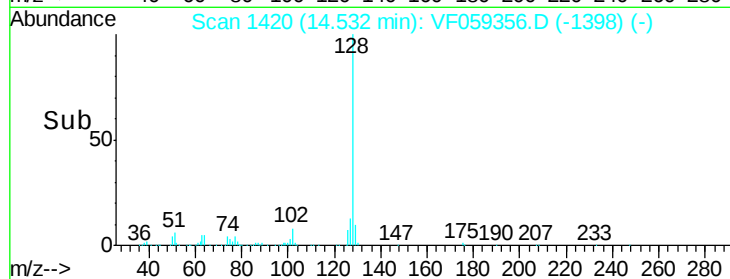
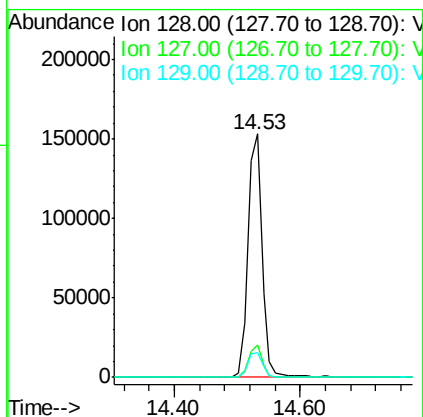
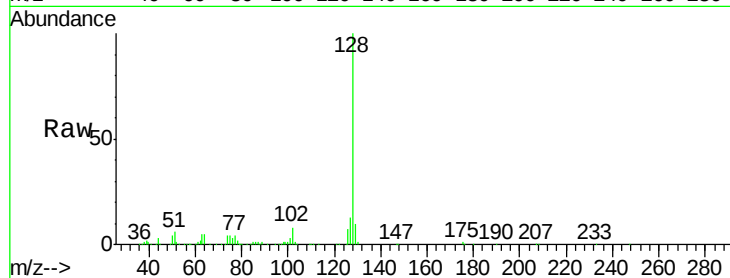




#95
Naphthalene
Concen: 19.440 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion:128 Resp: 236609
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.502 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VF059356.D
Acq: 28 Jun 2018 13:14

Tgt Ion:180 Resp: 112978
Ion Ratio Lower Upper
180 100
182 96.9 47.5 142.5
145 29.0 17.0 50.9

