

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059357.D
 Acq On : 28 Jun 2018 13:41
 Operator : VA/AP
 Sample : VF0628SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

Quant Time: Jun 29 03:09:37 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	267845	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	414902	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	414946	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	257050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	157895	45.63	ug/l	0.02
Spiked Amount			Recovery	=	91.26%	
35) Dibromofluoromethane	4.30	113	138629	45.73	ug/l	0.02
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	7.72	98	351443	46.82	ug/l	0.02
Spiked Amount			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.51	95	199172	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	52245	21.349	ug/l	88
3) Chloromethane	1.08	50	33202	20.196	ug/l	100
4) Vinyl Chloride	1.15	62	33739	20.849	ug/l	95
5) Bromomethane	1.34	94	24796	25.075	ug/l	94
6) Chloroethane	1.43	64	19300	23.679	ug/l #	86
7) Trichlorofluoromethane	1.49	101	25430	7.947	ug/l	98
8) Diethyl Ether	1.70	74	15670	19.098	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41229	22.072	ug/l	96
10) Methyl Iodide	1.97	142	73379	21.543	ug/l	94
11) Tert butyl alcohol	2.69	59	21597	93.745	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	33571	21.259	ug/l	95
13) Acrolein	2.09	56	12633	103.686	ug/l	82
14) Allyl chloride	2.19	41	62019	20.922	ug/l	97
15) Acrylonitrile	3.07	53	39896	98.340	ug/l	95
16) Acetone	2.34	43	96517	105.793	ug/l	95
17) Carbon Disulfide	1.87	76	75104	20.219	ug/l	95
18) Methyl Acetate	2.45	43	27950	17.130	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	121987	20.711	ug/l	100
20) Methylene Chloride	2.27	84	22338	4.836	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	35517	21.085	ug/l	93
22) Diisopropyl ether	2.92	45	139875	21.309	ug/l	99
23) Vinyl Acetate	3.34	43	436982	104.531	ug/l	100
24) 1,1-Dichloroethane	3.00	63	87733	21.557	ug/l	98
25) 2-Butanone	4.51	43	114792	108.096	ug/l	99
26) 2,2-Dichloropropane	3.76	77	66290	23.615	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	55160	21.568	ug/l	96
28) Bromochloromethane	3.89	49	37827	21.810	ug/l	95
29) Tetrahydrofuran	4.26	42	47548	101.568	ug/l	96
30) Chloroform	4.04	83	121959	20.700	ug/l	95
31) Cyclohexane	3.86	56	54210	20.333	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	95935	22.251	ug/l	96
36) 1,1-Dichloropropene	4.46	75	74539	20.565	ug/l	98
37) Ethyl Acetate	4.30	43	49513	20.481	ug/l	85
38) Carbon Tetrachloride	4.17	117	108852	23.798	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	68632	21.368	ug/l	92
40) Benzene	4.81	78	163709	20.371	ug/l	98
41) Methacrylonitrile	4.93	41	22036	17.823	ug/l	94
42) 1,2-Dichloroethane	5.12	62	95431	20.322	ug/l	99
43) Isopropyl Acetate	7.11	43	60859	20.158	ug/l #	99
44) Trichloroethene	5.68	130	57920	21.010	ug/l	98
45) 1,2-Dichloropropane	6.40	63	48529	21.136	ug/l	99
46) Dibromomethane	6.26	93	40685	20.416	ug/l	88
47) Bromodichloromethane	6.55	83	97845	20.283	ug/l	100
48) Methyl methacrylate	6.88	41	36961	18.267	ug/l	92
49) 1,4-Dioxane	6.87	88	4208	362.653	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	220363	98.523	ug/l	99
52) Toluene	7.78	92	124287	20.668	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	91486	20.806	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	94963	19.882	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	48734	20.873	ug/l	91
56) Ethyl methacrylate	8.76	69	55678	19.251	ug/l	93
57) 1,3-Dichloropropane	9.01	76	84726	21.159	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	23365	107.714	ug/l	100
59) 2-Hexanone	9.63	43	194189	105.822	ug/l	96
60) Dibromochloromethane	8.87	129	74392	20.638	ug/l	95
61) 1,2-Dibromoethane	9.13	107	56769	20.049	ug/l	100
64) Tetrachloroethene	8.31	164	57021	21.188	ug/l	90
65) Chlorobenzene	9.94	112	157559	20.491	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	69647	20.943	ug/l	92
67) Ethyl Benzene	10.04	91	292421	22.418	ug/l	99
68) m/p-Xylenes	10.27	106	211466	45.548	ug/l	99
69) o-Xylene	10.83	106	114067	21.966	ug/l	99
70) Styrene	10.90	104	173347	21.914	ug/l	99
71) Bromoform	10.89	173	44834	19.669	ug/l	98
73) Isopropylbenzene	11.23	105	336458	22.468	ug/l	97
74) N-amyl acetate	11.46	43	110462	20.327	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	76371	20.193	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	58427	20.480	ug/l	95
77) Bromobenzene	11.60	156	84317	20.294	ug/l	84
78) n-propylbenzene	11.69	91	396973	22.073	ug/l	95
79) 2-Chlorotoluene	11.82	91	237134	21.582	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	288415	21.987	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	34529	20.335	ug/l	88
82) 4-Chlorotoluene	11.99	91	253845	21.569	ug/l	95
83) tert-Butylbenzene	12.22	119	298270	22.734	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	302824	21.919	ug/l	98
85) sec-Butylbenzene	12.39	105	389961	22.424	ug/l	96
86) p-Isopropyltoluene	12.54	119	329598	22.584	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	163591	21.199	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	156369	21.074	ug/l	99
89) n-Butylbenzene	12.92	91	352266	23.776	ug/l	97
90) Hexachloroethane	13.00	117	82864	22.781	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	160436	21.271	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15612	18.621	ug/l	78

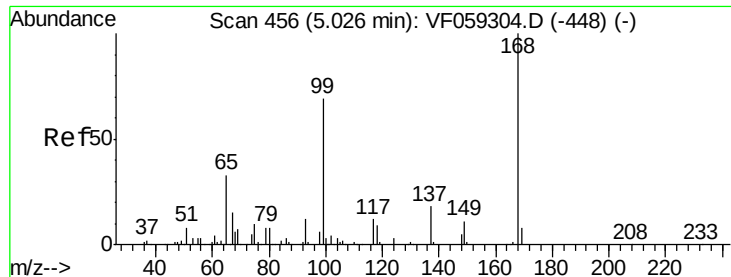
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	124683	22.356	ug/l	98
94) Hexachlorobutadiene	14.26	225	72784	23.364	ug/l	96
95) Naphthalene	14.53	128	238965	20.479	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	115304	21.824	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

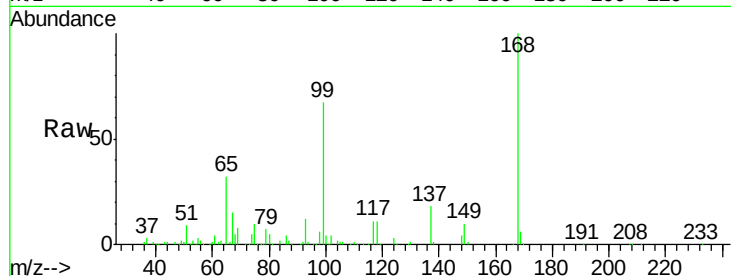
VF0628SBSD01

Tot Ion:168 Resp: 267845

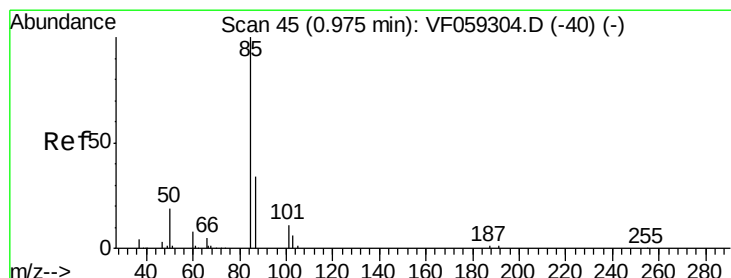
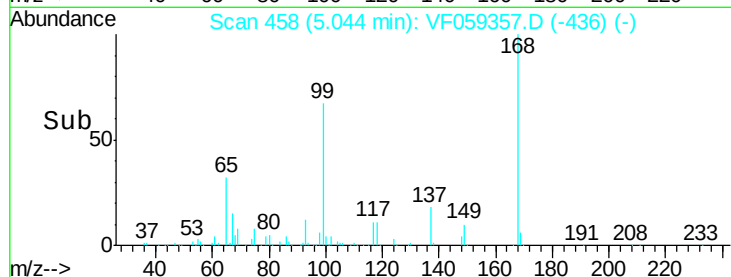
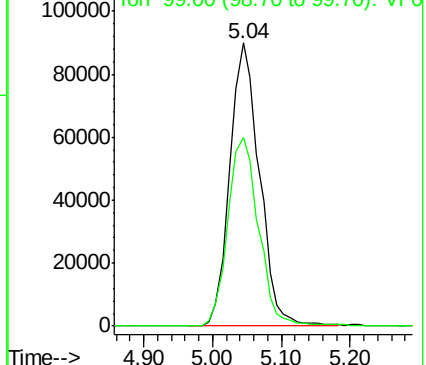
Ion Ratio Lower Upper

168 100

99 66.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.349 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059357.D

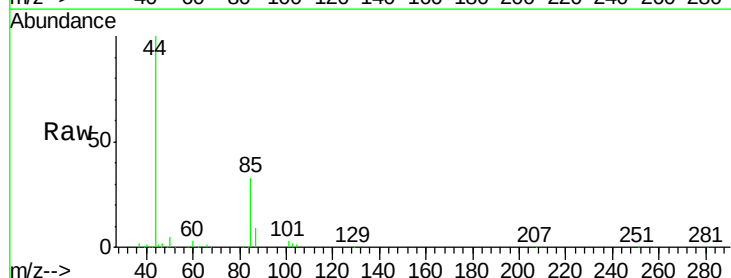
Acq: 28 Jun 2018 13:41

Tgt Ion: 85 Resp: 52245

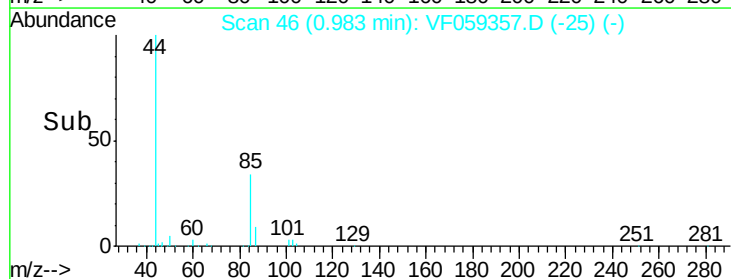
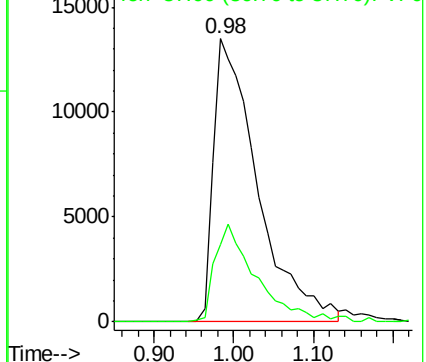
Ion Ratio Lower Upper

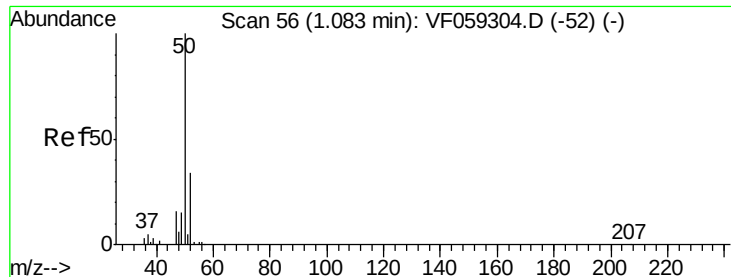
85 100

87 27.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 20.196 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

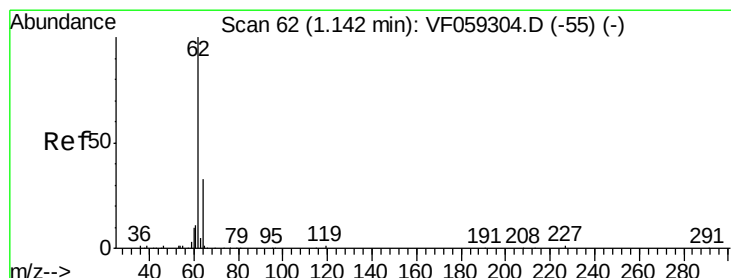
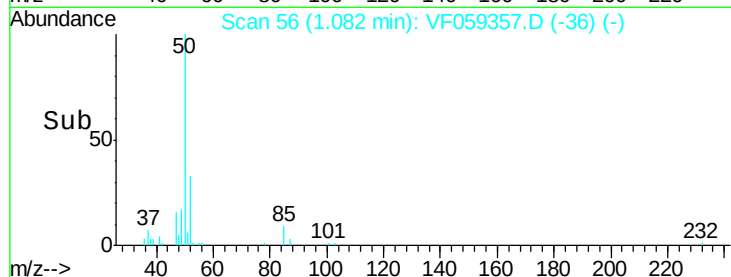
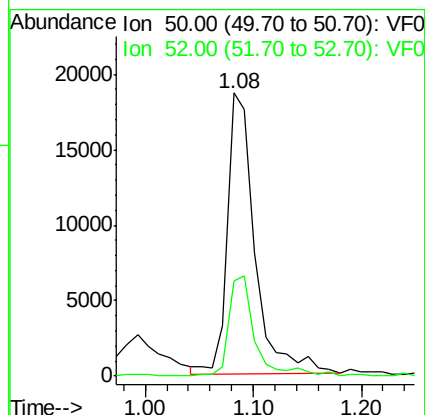
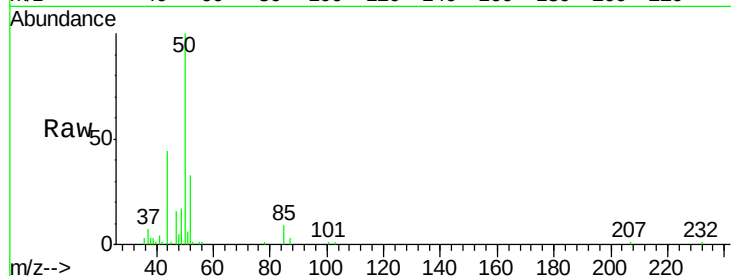
VF0628SBS01

Tot Ion: 50 Resp: 33202

Ion Ratio Lower Upper

50 100

52 33.5 26.7 40.1



#4

Vinyl Chloride

Concen: 20.849 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059357.D

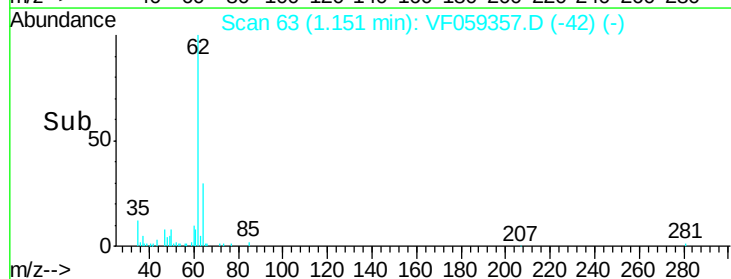
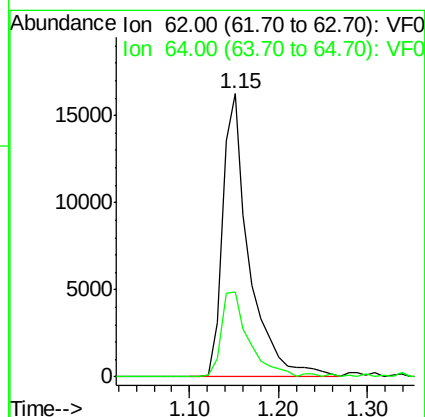
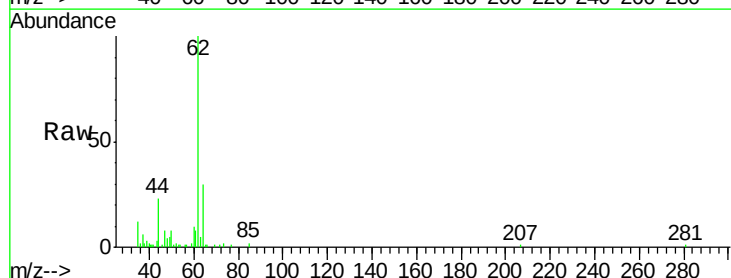
Acq: 28 Jun 2018 13:41

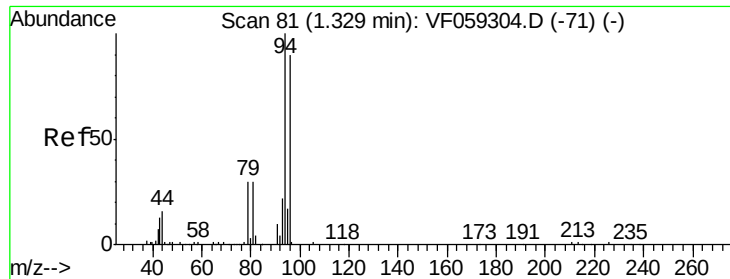
Tgt Ion: 62 Resp: 33739

Ion Ratio Lower Upper

62 100

64 29.9 26.3 39.5





#5

Bromomethane

Concen: 25.075 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

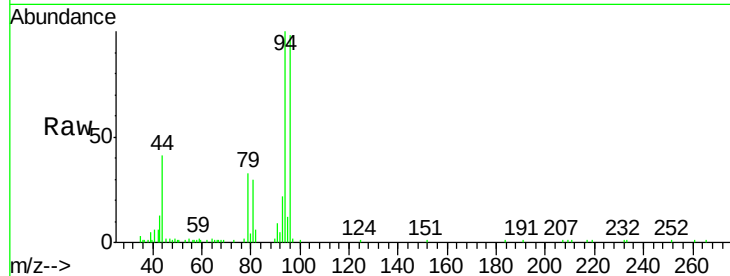
VF0628SBSD01

Tot Ion: 94 Resp: 24796

Ion Ratio Lower Upper

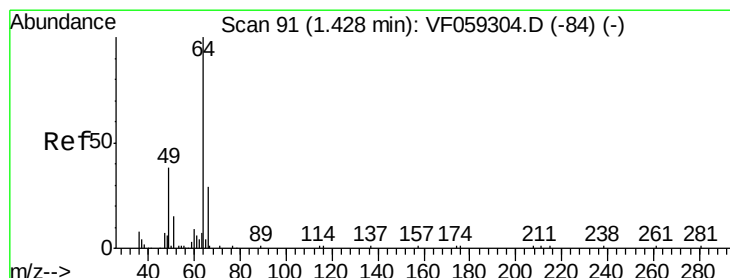
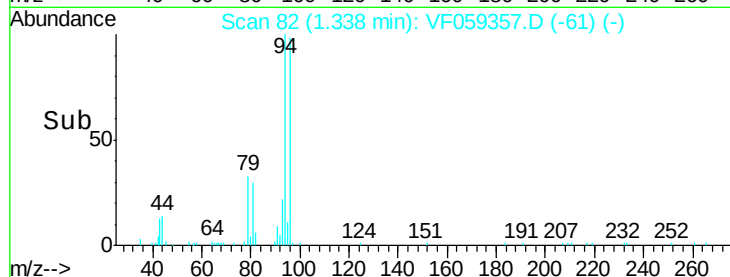
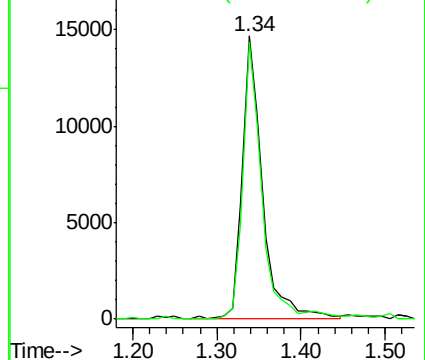
94 100

96 97.7 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.679 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059357.D

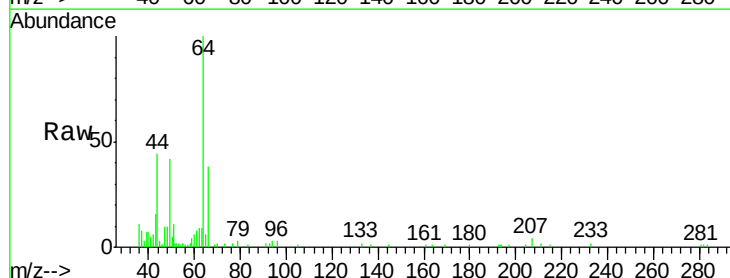
Acq: 28 Jun 2018 13:41

Tgt Ion: 64 Resp: 19300

Ion Ratio Lower Upper

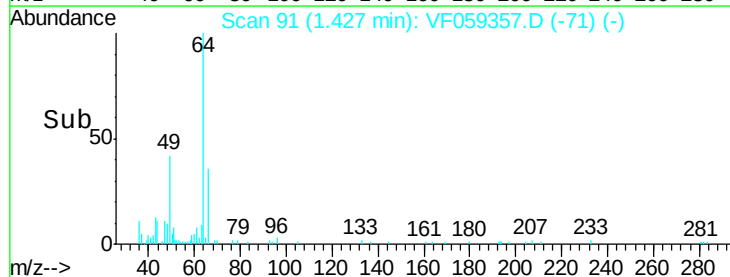
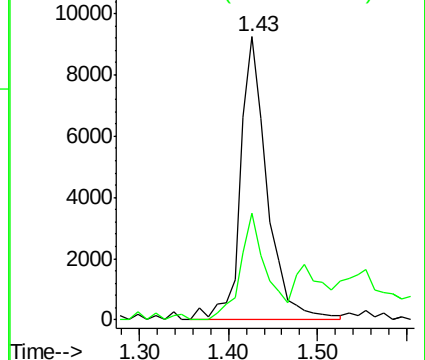
64 100

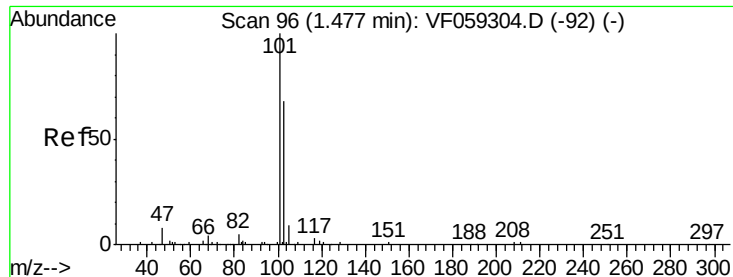
66 37.5 23.9 35.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 7.947 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

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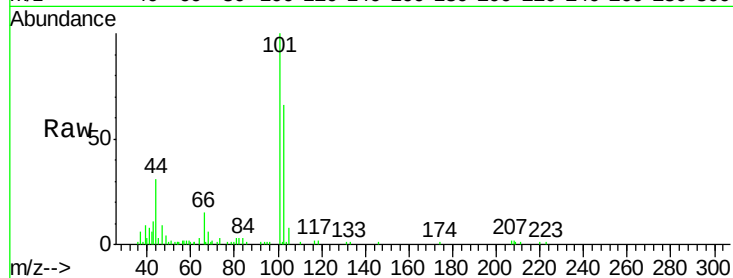
VF0628SBSD01

Tot Ion:101 Resp: 25430

Ion Ratio Lower Upper

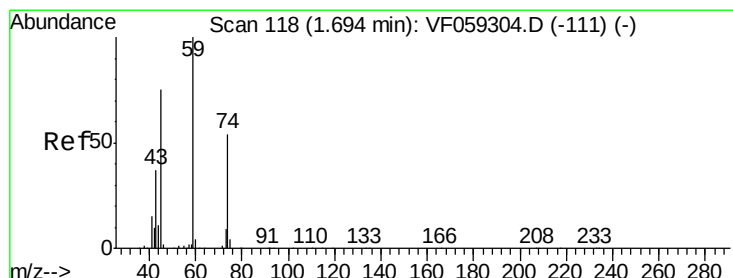
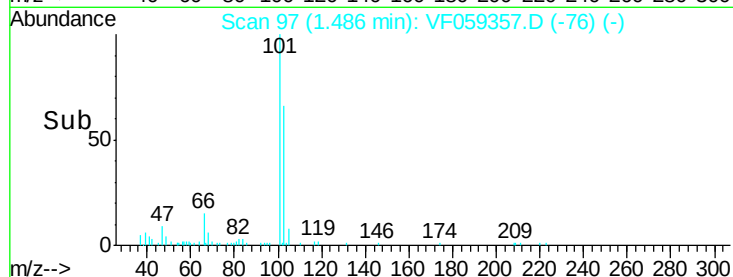
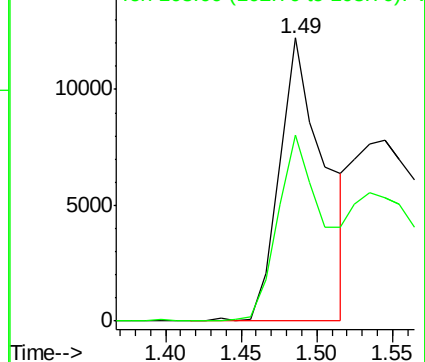
101 100

103 65.9 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: 19.098 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.01 min

Lab File: VF059357.D

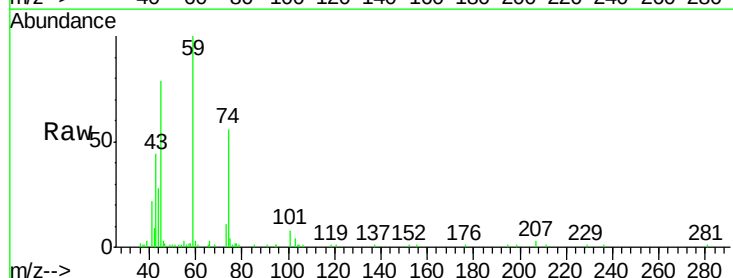
Acq: 28 Jun 2018 13:41

Tgt Ion: 74 Resp: 15670

Ion Ratio Lower Upper

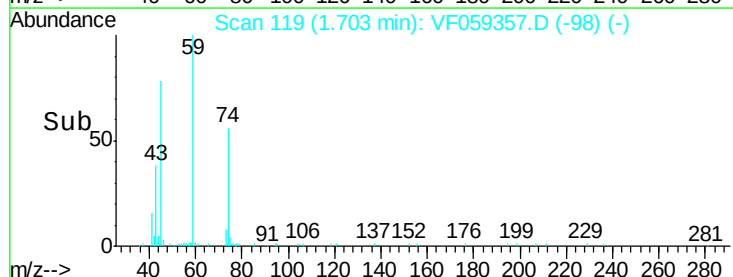
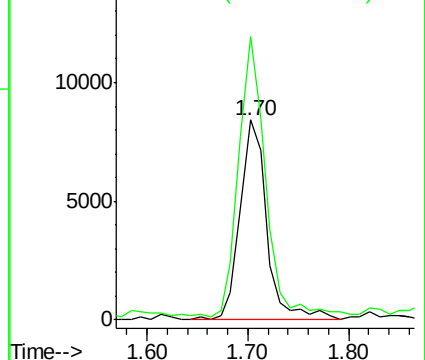
74 100

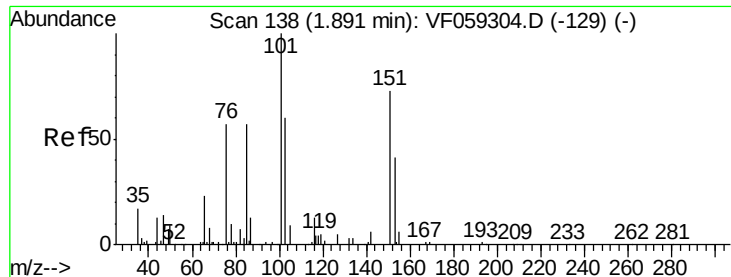
45 141.7 70.0 210.0



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: 22.072 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

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ClientSampleId :

VF0628SBSD01

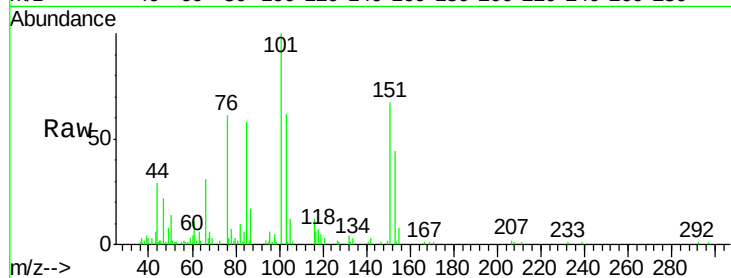
Tot Ion:101 Resp: 41229

Ion Ratio Lower Upper

101 100

85 58.1 44.5 66.7

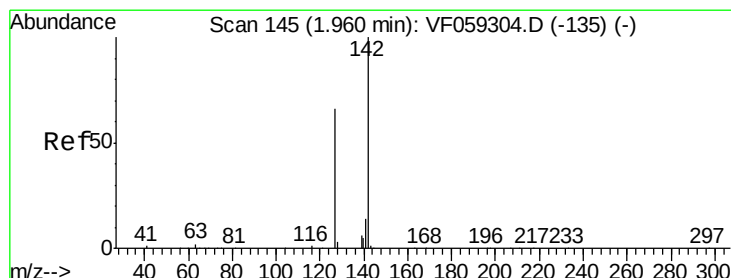
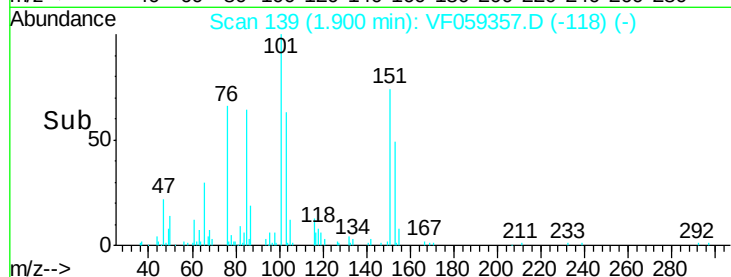
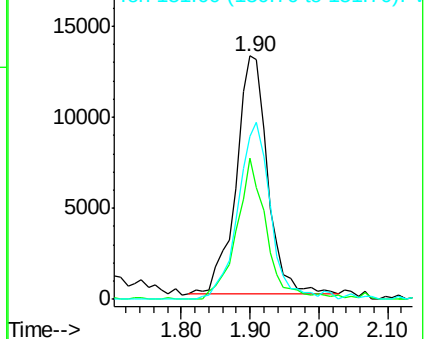
151 66.9 56.8 85.2



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: 21.543 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

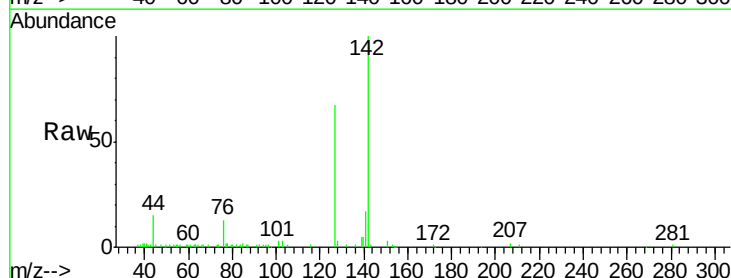
Tgt Ion:142 Resp: 73379

Ion Ratio Lower Upper

142 100

127 70.2 52.5 78.7

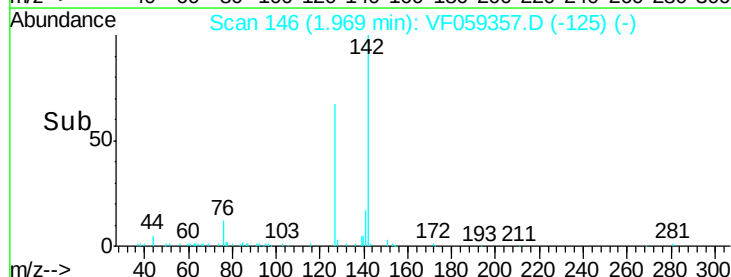
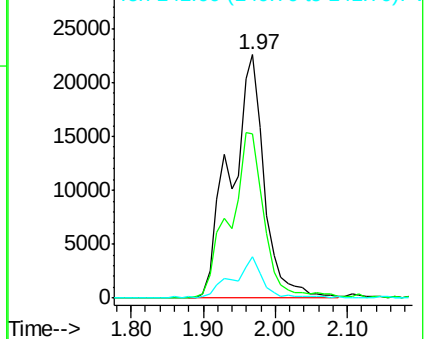
141 16.9 11.5 17.3

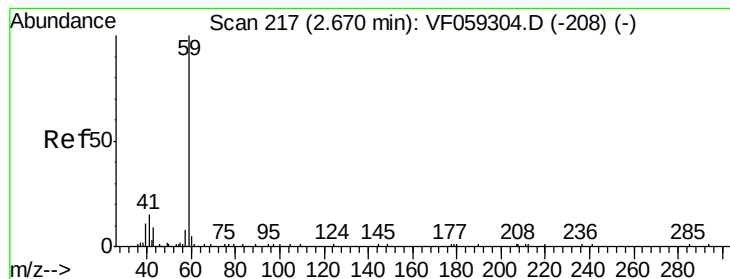


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



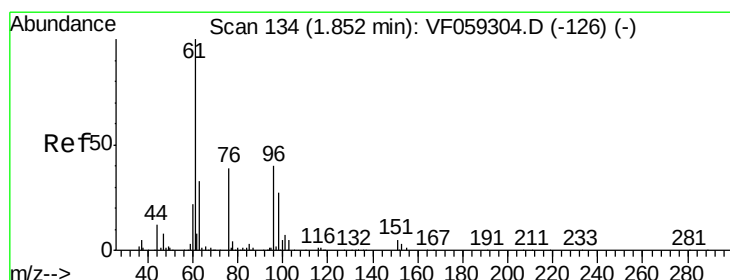
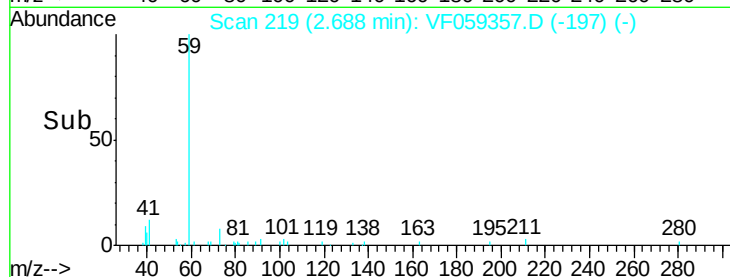
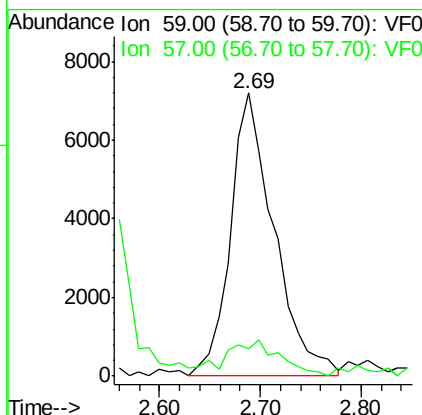
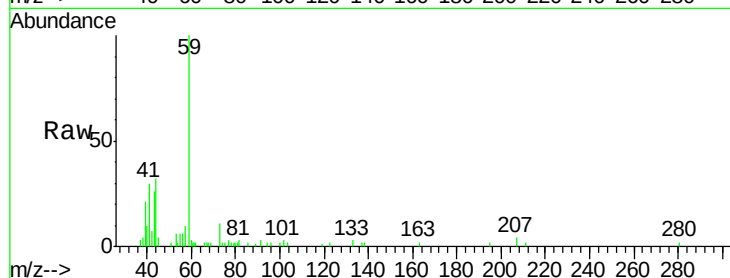


#11

Tert butyl alcohol
 Concen: 93.745 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

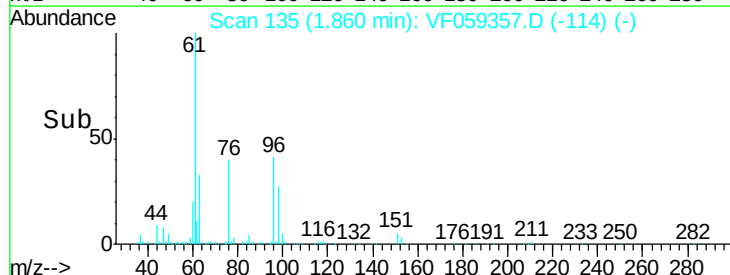
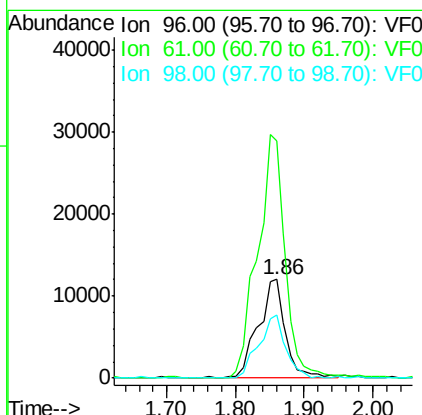
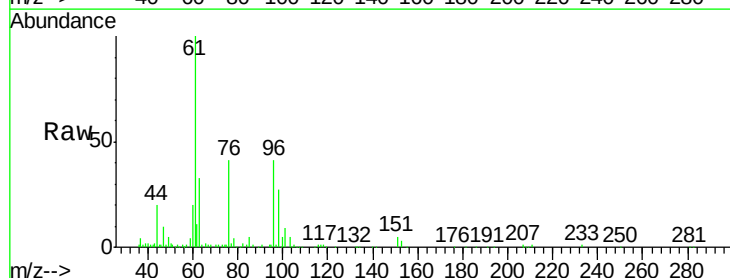
Tot Ion: 59 Resp: 21597
 Ion Ratio Lower Upper
 59 100
 57 9.6 11.0 16.4#

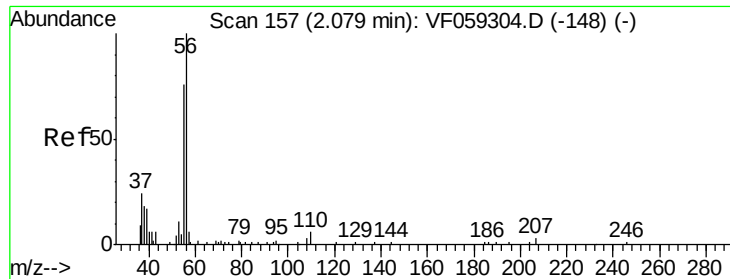


#12

1,1-Dichloroethene
 Concen: 21.259 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion: 96 Resp: 33571
 Ion Ratio Lower Upper
 96 100
 61 241.1 201.1 301.7
 98 64.7 53.9 80.9





#13

Acrolein

Concen: 103.686 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

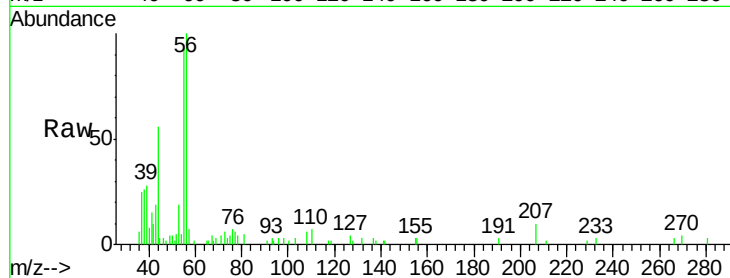
VF0628SBSD01

Tot Ion: 56 Resp: 12633

Ion Ratio Lower Upper

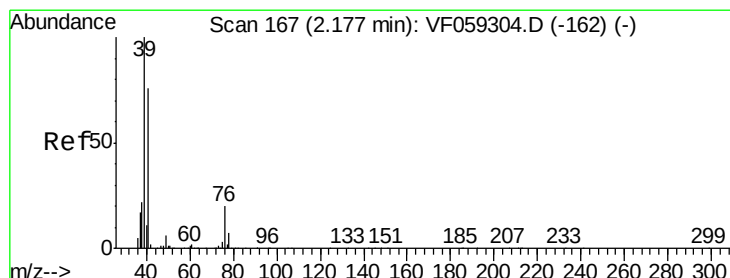
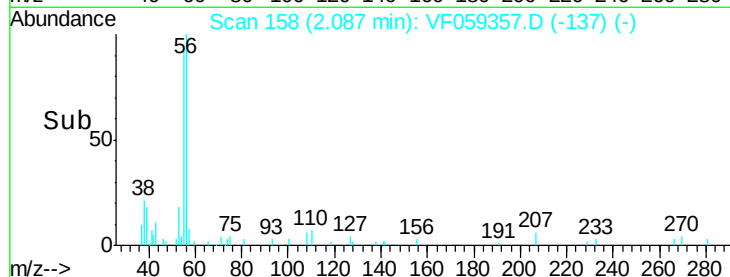
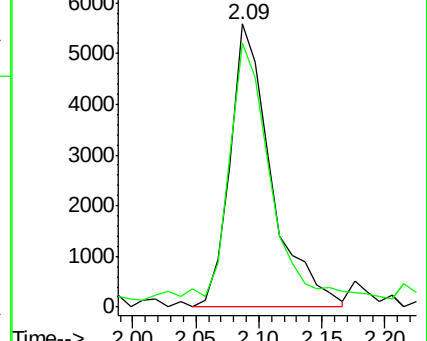
56 100

55 93.3 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.922 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

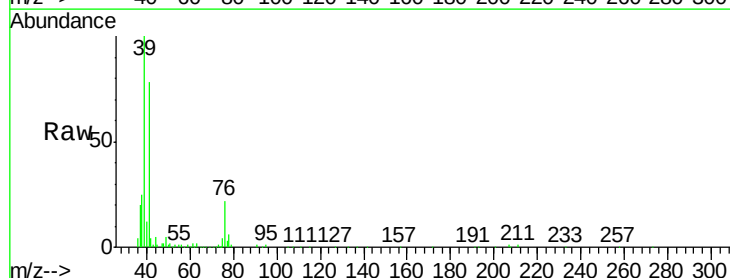
Tgt Ion: 41 Resp: 62019

Ion Ratio Lower Upper

41 100

39 128.3 105.6 158.4

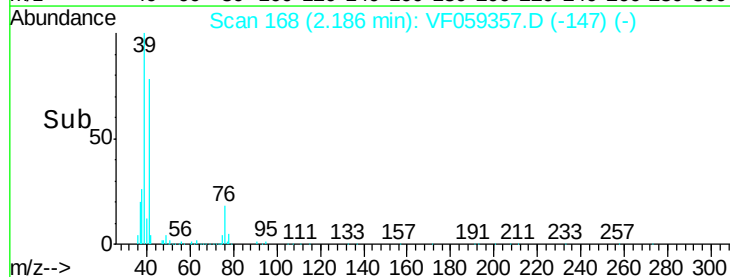
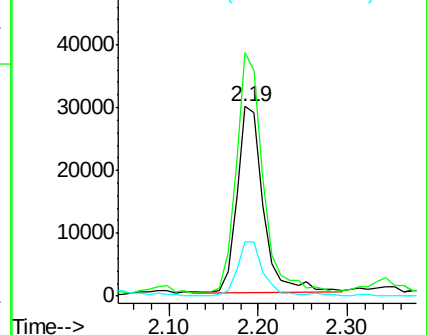
76 28.4 21.6 32.4

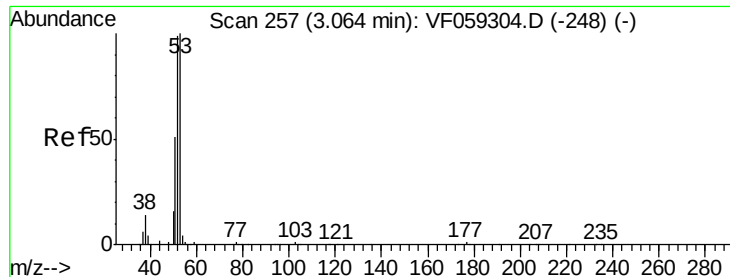


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 98.340 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

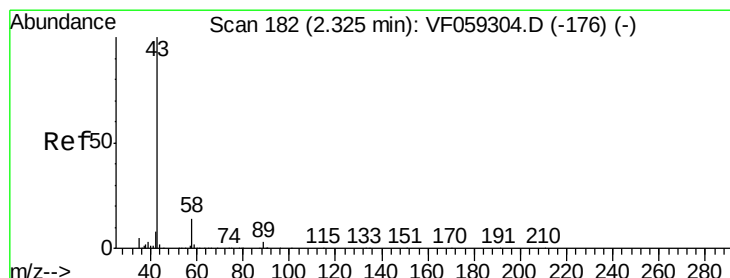
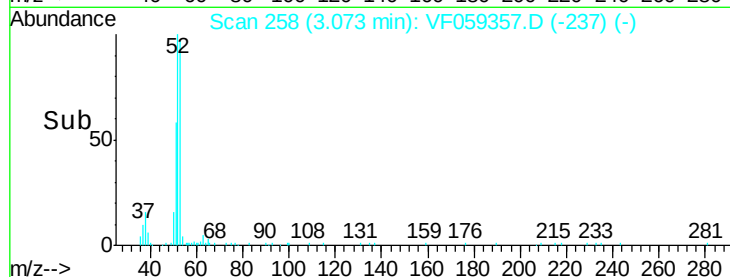
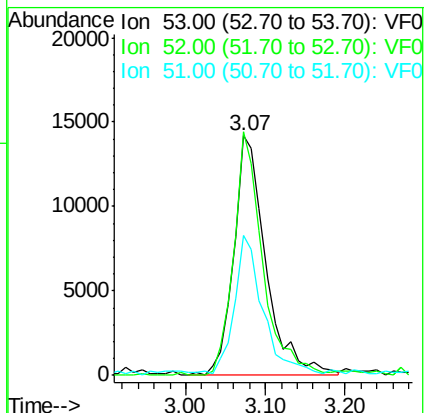
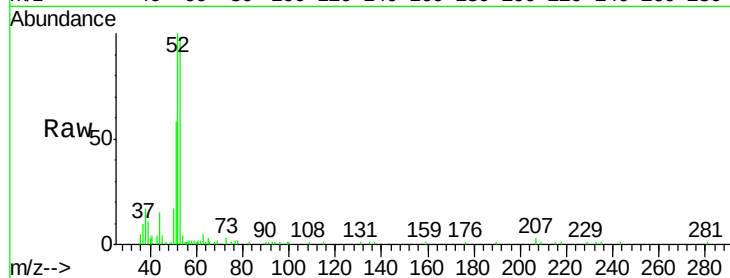
Tot Ion: 53 Resp: 39896

Ion Ratio Lower Upper

53 100

52 101.6 79.2 118.8

51 58.6 40.9 61.3



#16

Acetone

Concen: 105.793 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF059357.D

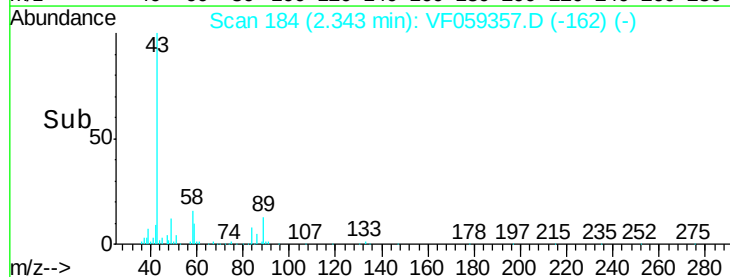
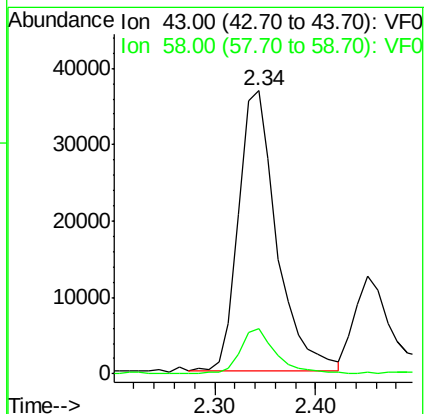
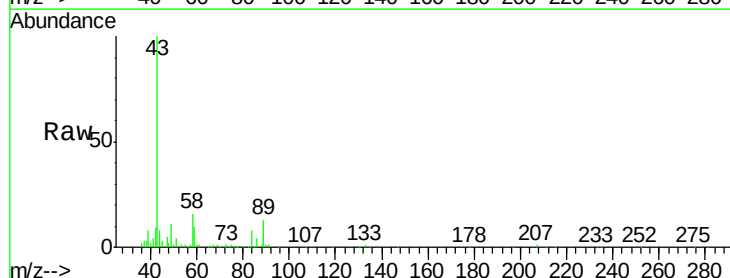
Acq: 28 Jun 2018 13:41

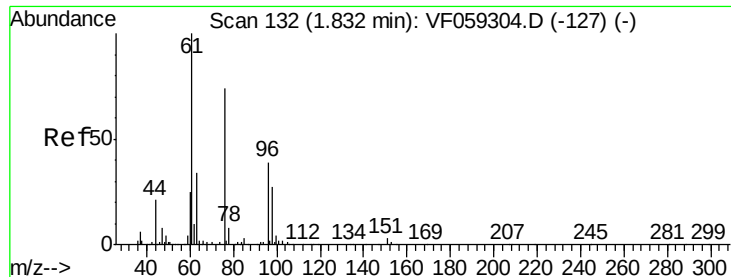
Tgt Ion: 43 Resp: 96517

Ion Ratio Lower Upper

43 100

58 16.1 11.4 17.0





#17

Carbon Disulfide

Concen: 20.219 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.04 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

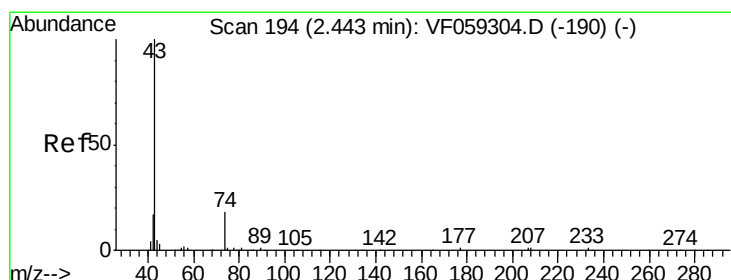
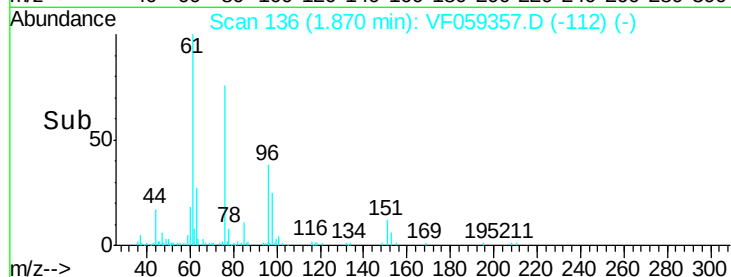
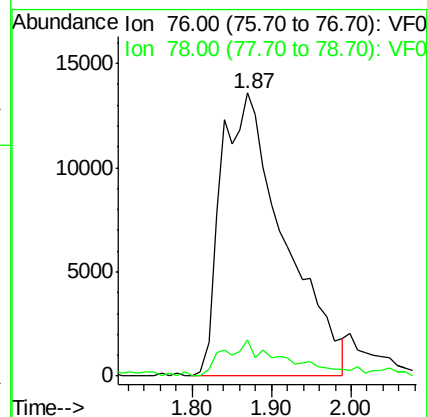
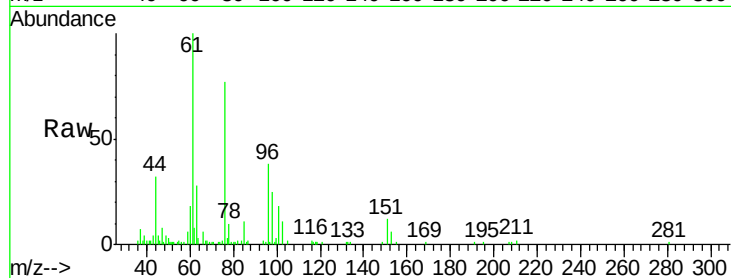
VF0628SBSD01

Tot Ion: 76 Resp: 75104

Ion Ratio Lower Upper

76 100

78 12.9 8.9 13.3



#18

Methyl Acetate

Concen: 17.130 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059357.D

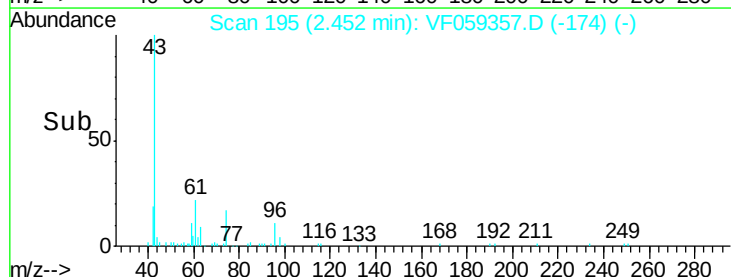
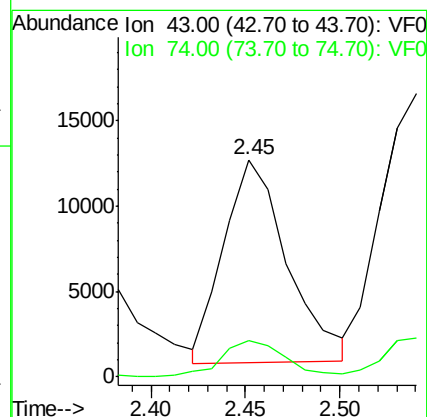
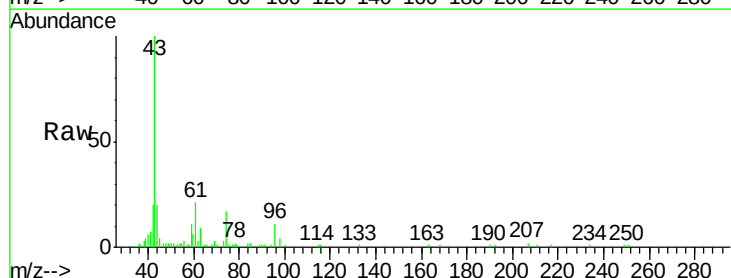
Acq: 28 Jun 2018 13:41

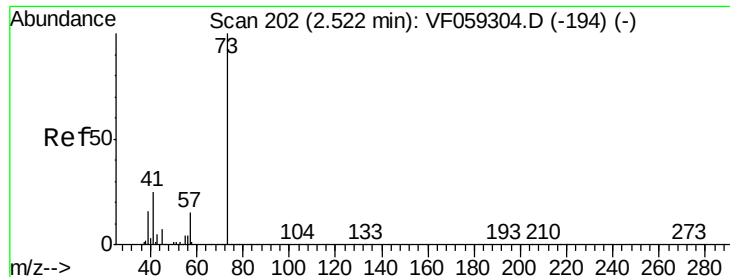
Tgt Ion: 43 Resp: 27950

Ion Ratio Lower Upper

43 100

74 16.7 13.3 19.9



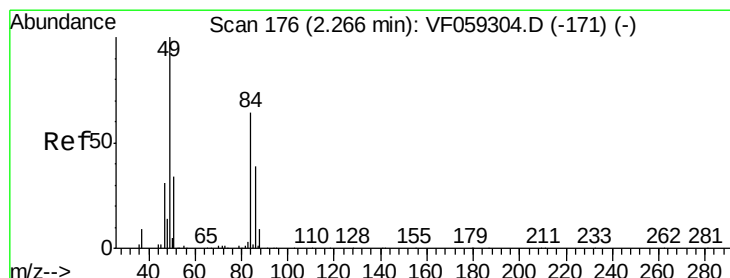
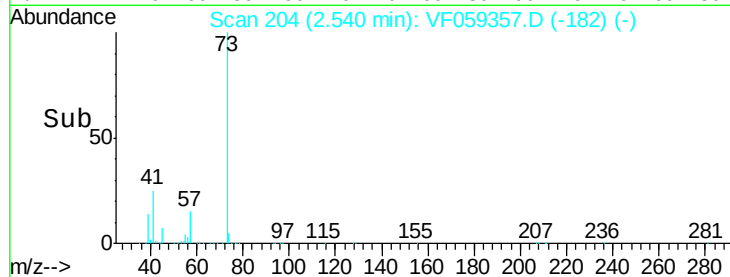
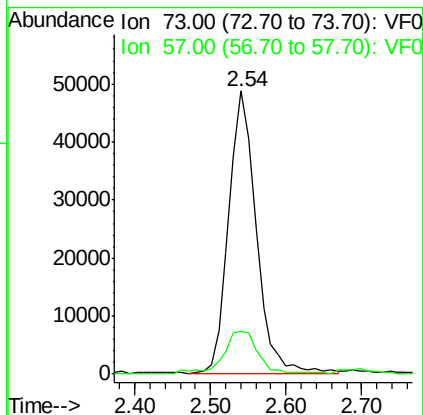
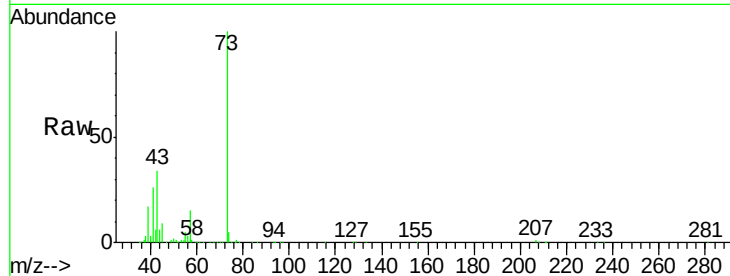


#19

Methyl tert-butyl Ether
 Concen: 20.711 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

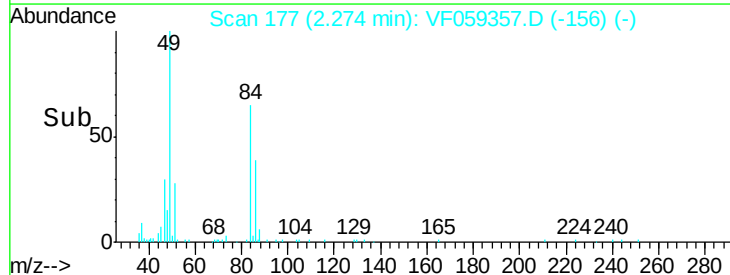
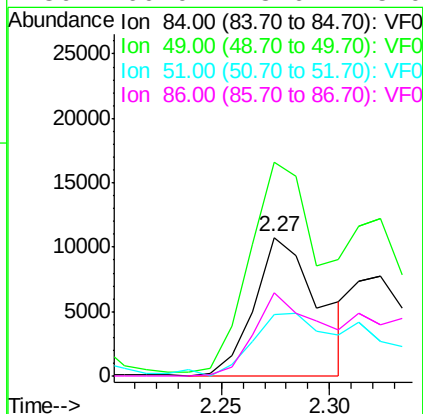
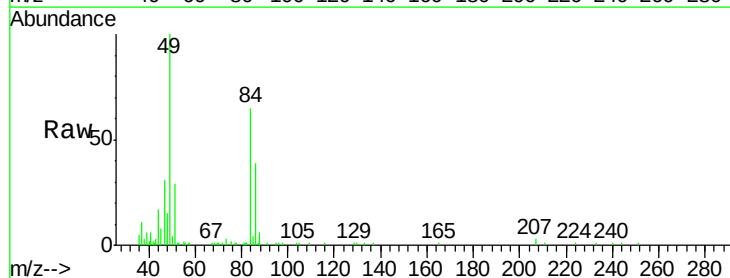
Tot Ion: 73 Resp: 121987
 Ion Ratio Lower Upper
 73 100
 57 15.3 12.3 18.5

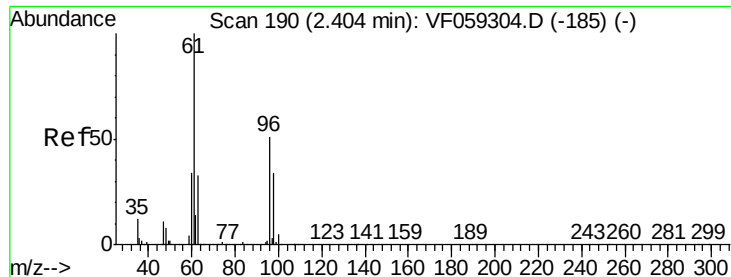


#20

Methylene Chloride
 Concen: 4.836 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion: 84 Resp: 22338
 Ion Ratio Lower Upper
 84 100
 49 154.4 126.5 189.7
 51 44.0 42.9 64.3
 86 60.0 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 21.085 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

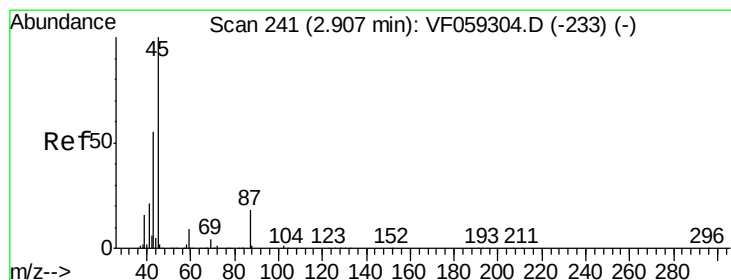
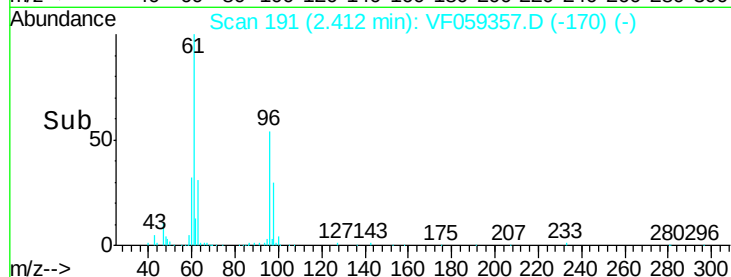
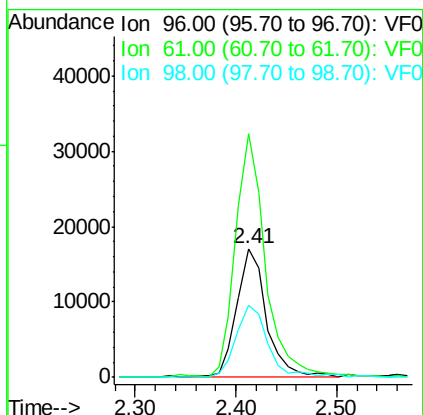
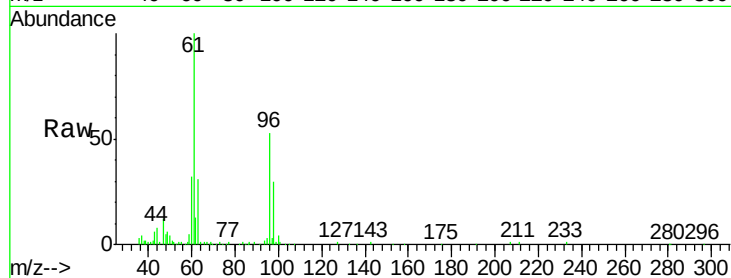
Tot Ion: 96 Resp: 35517

Ion Ratio Lower Upper

96 100

61 189.1 157.4 236.2

98 56.1 53.7 80.5



#22

Diisopropyl ether

Concen: 21.309 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion: 45 Resp: 139875

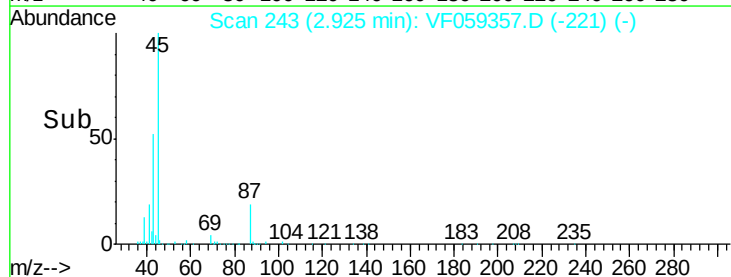
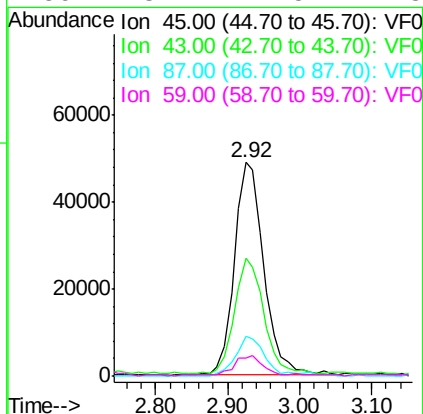
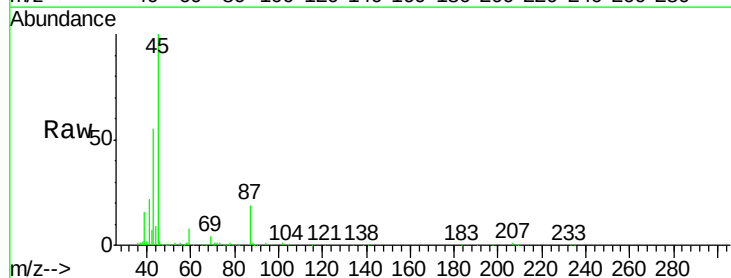
Ion Ratio Lower Upper

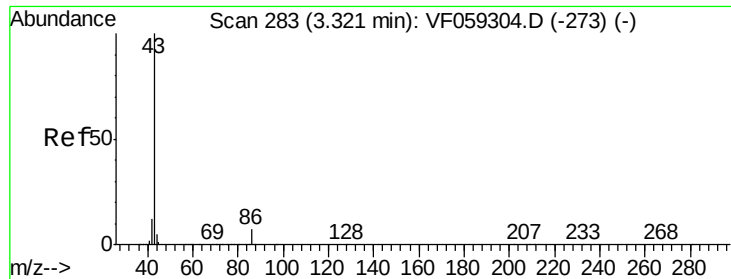
45 100

43 55.0 44.6 66.8

87 18.8 14.3 21.5

59 8.4 7.5 11.3





#23

Vinyl Acetate

Concen: 104.531 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

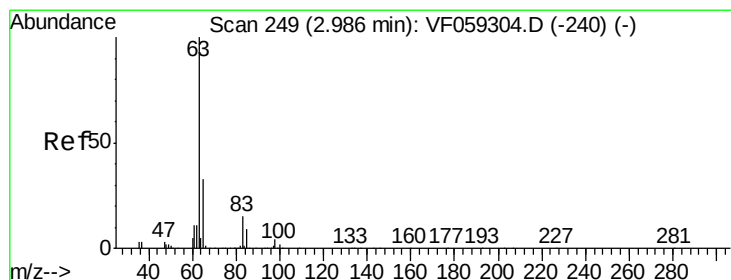
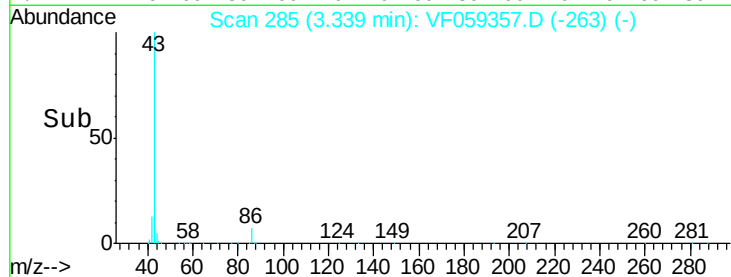
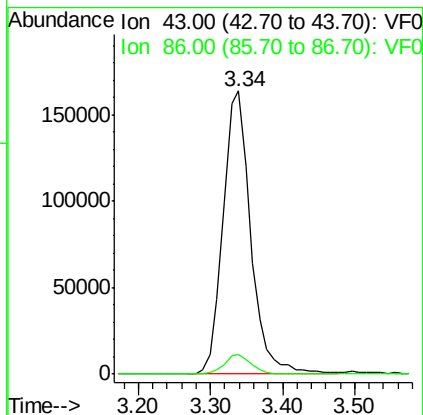
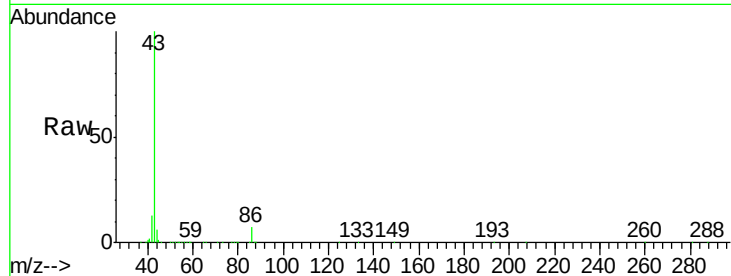
VF0628SBSD01

Tot Ion: 43 Resp: 436982

Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.6



#24

1,1-Dichloroethane

Concen: 21.557 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

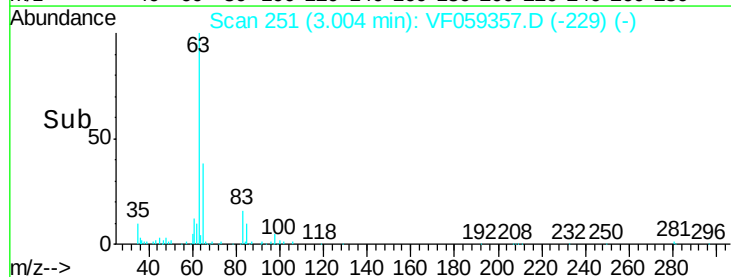
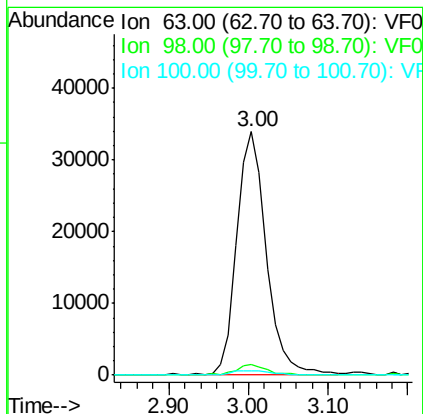
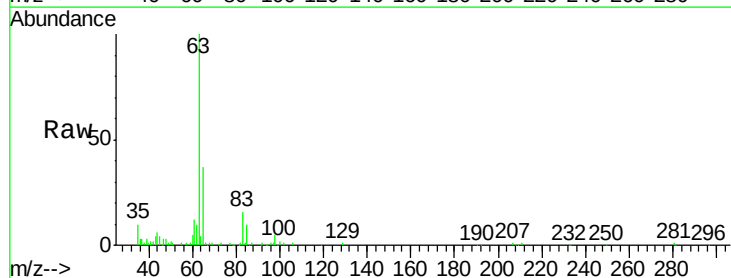
Tgt Ion: 63 Resp: 87733

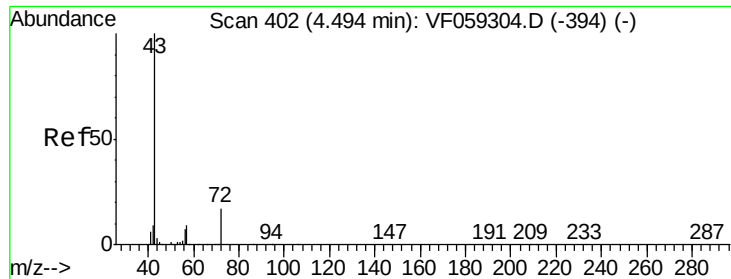
Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

100 1.7 1.3 3.9





#25

2-Butanone

Concen: 108.096 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

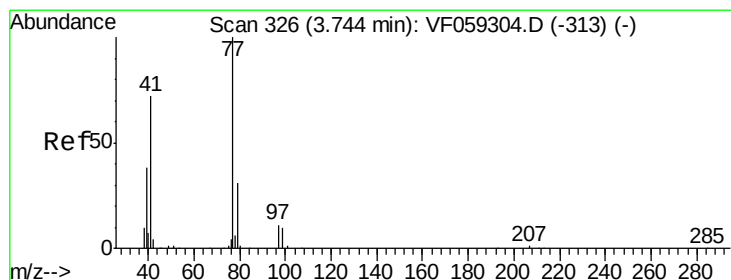
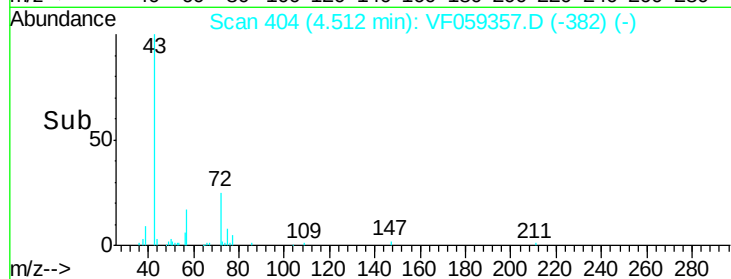
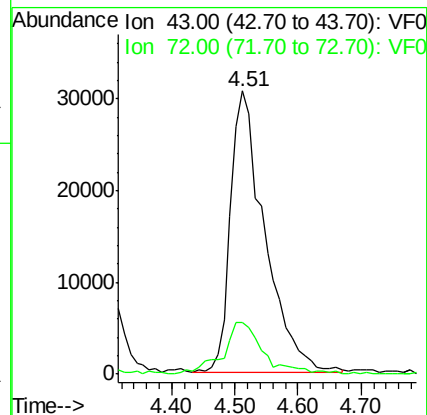
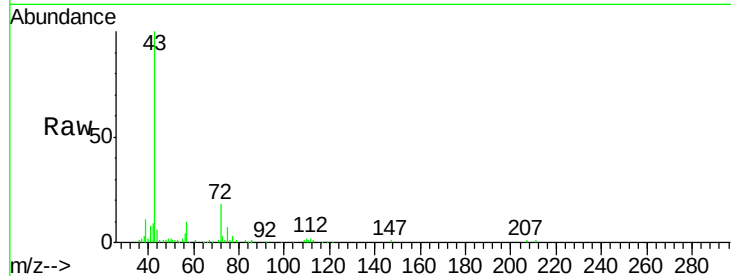
VF0628SBSD01

Tot Ion: 43 Resp: 114792

Ion Ratio Lower Upper

43 100

72 18.3 14.4 21.6



#26

2,2-Dichloropropane

Concen: 23.615 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.02 min

Lab File: VF059357.D

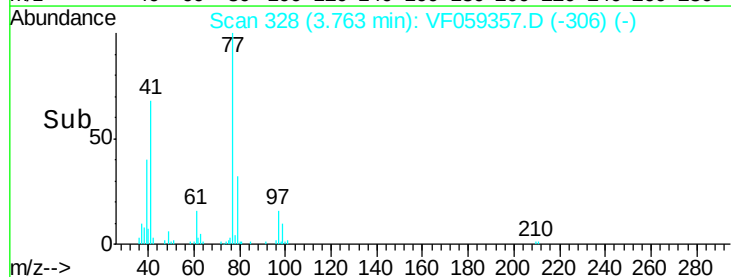
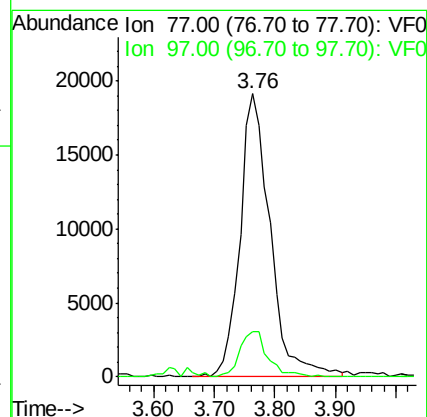
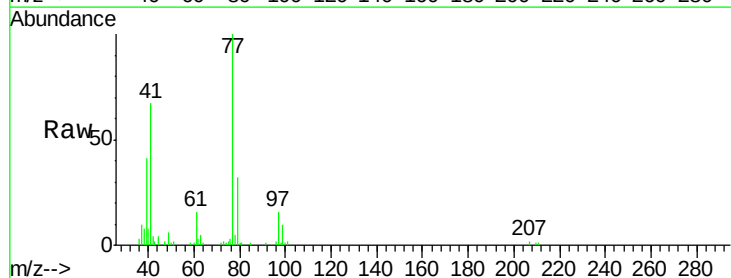
Acq: 28 Jun 2018 13:41

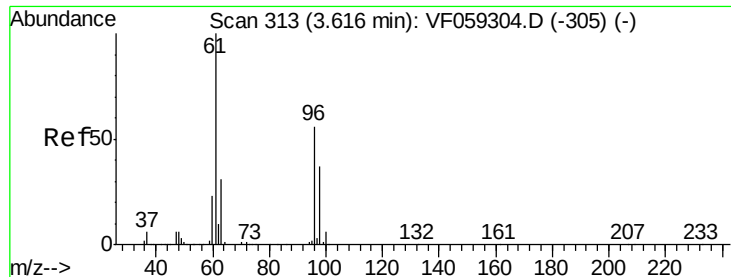
Tgt Ion: 77 Resp: 66290

Ion Ratio Lower Upper

77 100

97 15.8 8.0 23.8



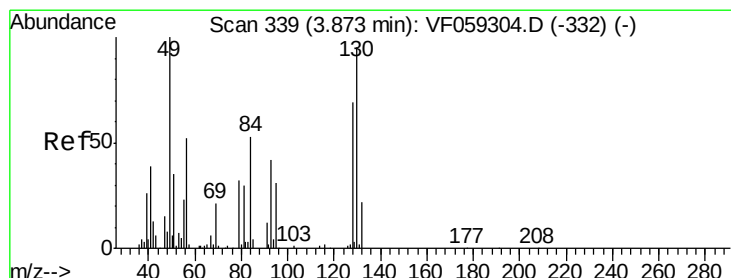
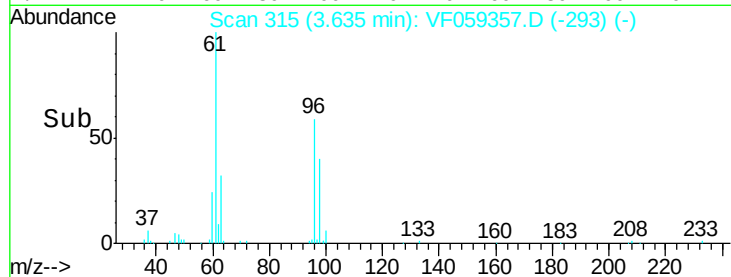
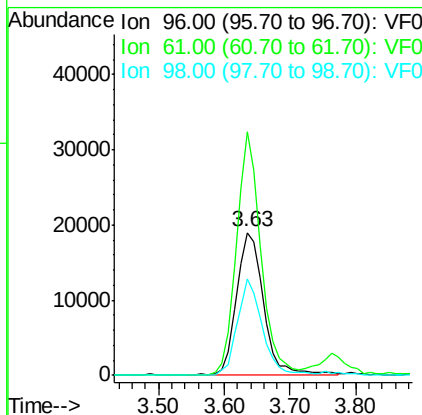
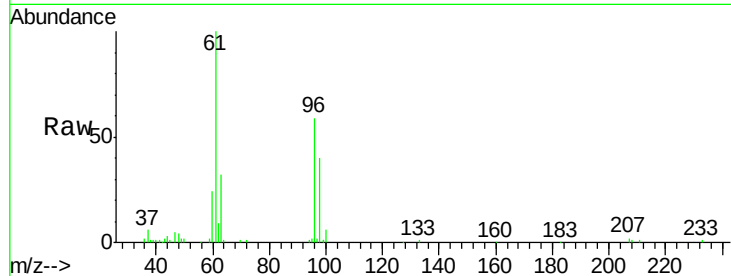


#27

cis-1,2-Dichloroethene
 Concen: 21.568 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

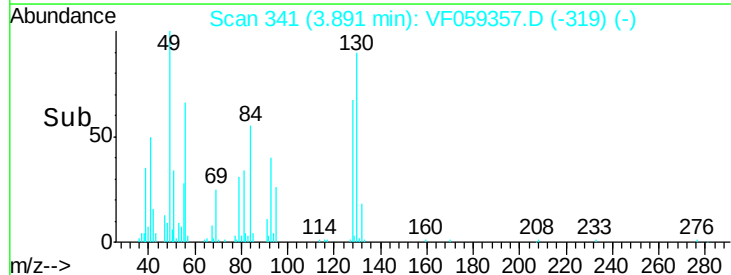
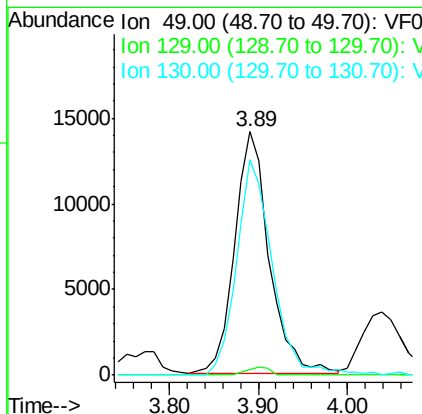
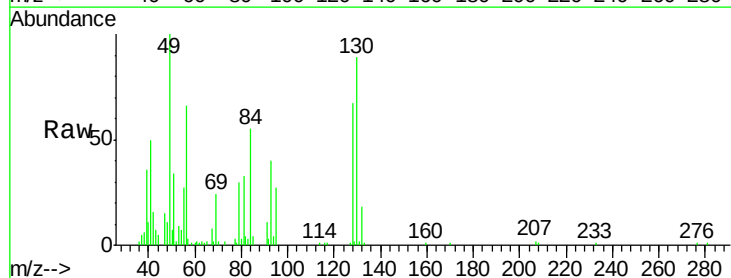
Tot Ion	96	Resp	55160
Ion	Ratio	Lower	Upper
96	100		
61	170.7	0.0	355.4
98	67.5	0.0	131.0

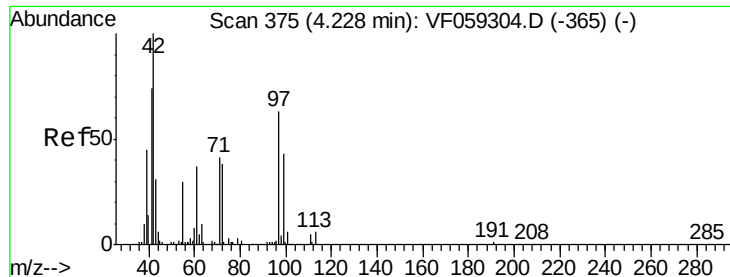


#28

Bromochloromethane
 Concen: 21.810 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	49	Resp	37827
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	6.4
130	88.7	75.1	112.7





#29

Tetrahydrofuran

Concen: 101.568 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

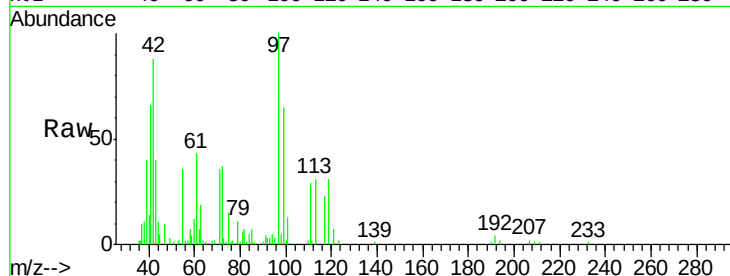
Tot Ion: 42 Resp: 47548

Ion Ratio Lower Upper

42 100

72 38.6 30.5 45.7

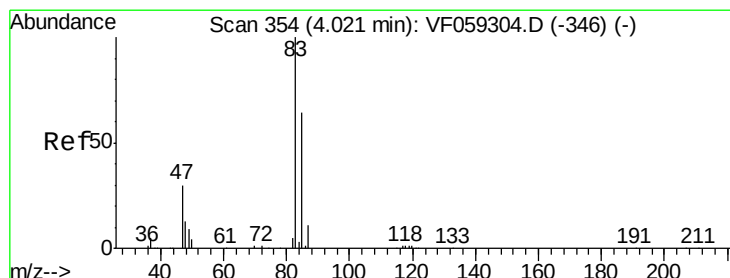
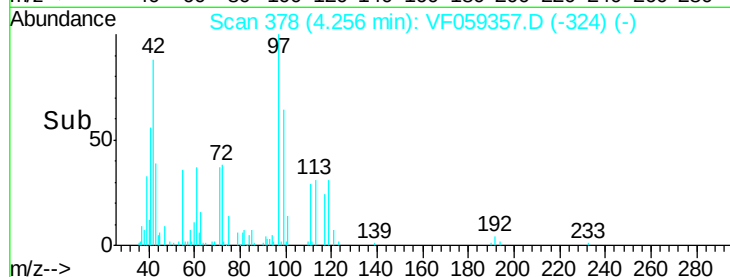
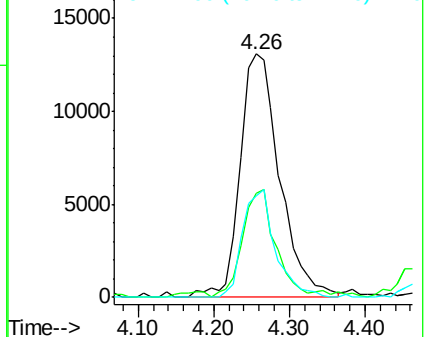
71 36.5 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.700 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF059357.D

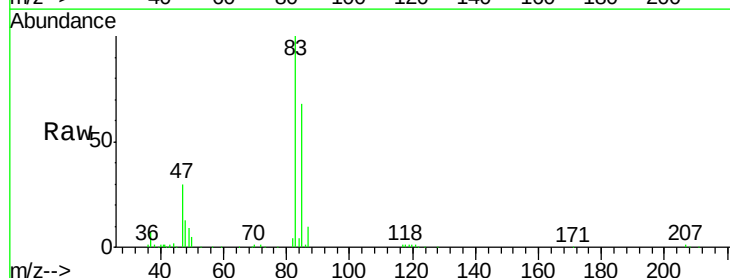
Acq: 28 Jun 2018 13:41

Tgt Ion: 83 Resp: 121959

Ion Ratio Lower Upper

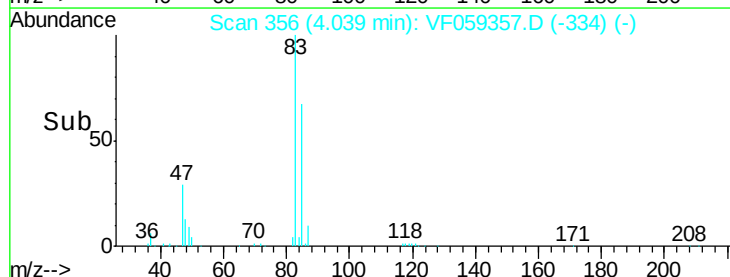
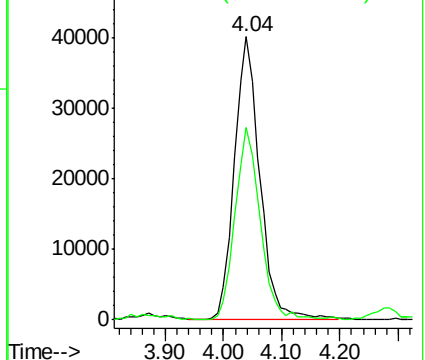
83 100

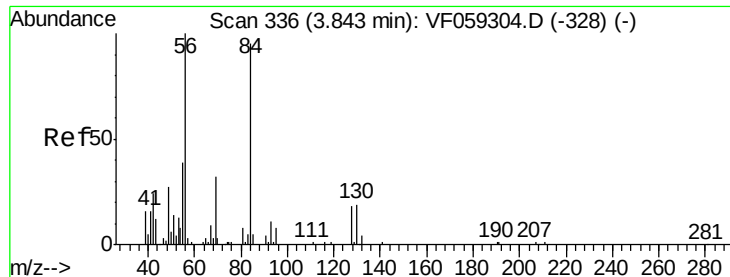
85 68.0 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

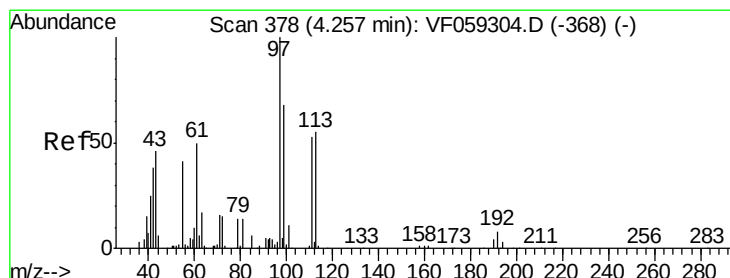
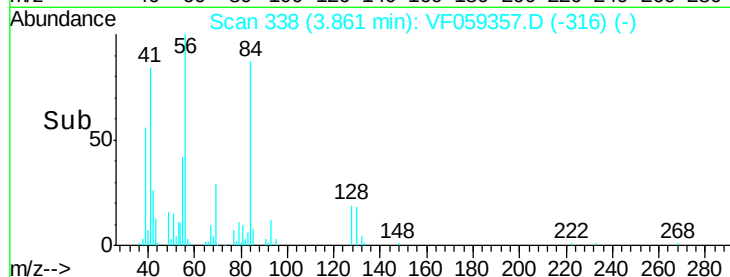
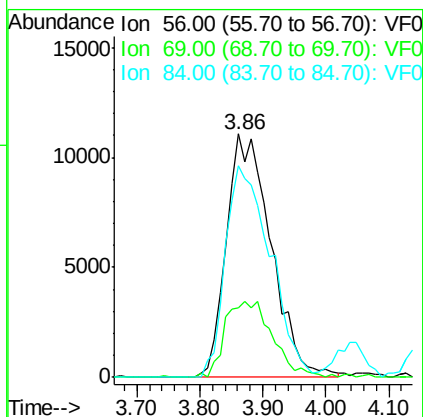
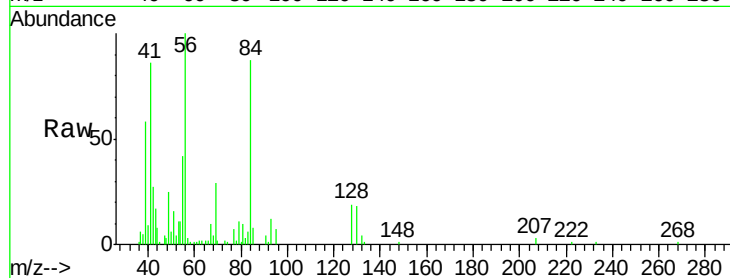




#31
Cyclohexane
Concen: 20.333 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

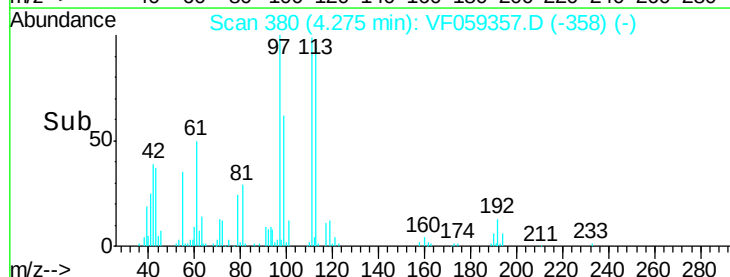
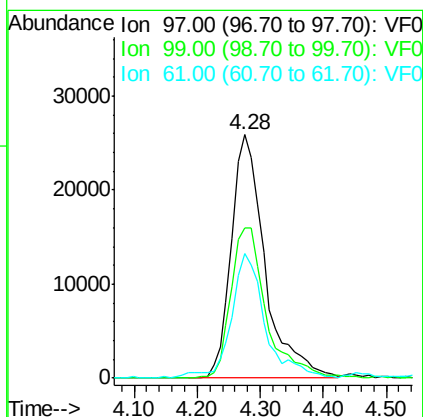
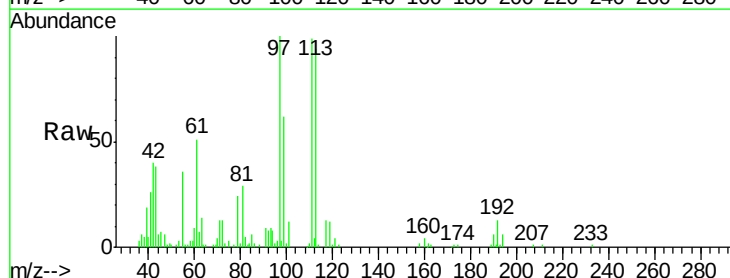
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

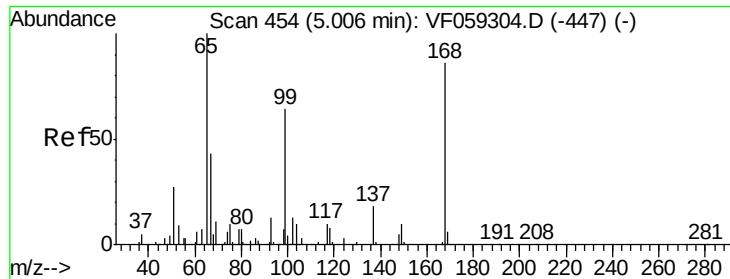
Tot Ion: 56 Resp: 54210
Ion Ratio Lower Upper
56 100
69 28.7 25.8 38.8
84 86.8 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 22.251 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion: 97 Resp: 95935
Ion Ratio Lower Upper
97 100
99 61.9 54.1 81.1
61 50.9 41.2 61.8

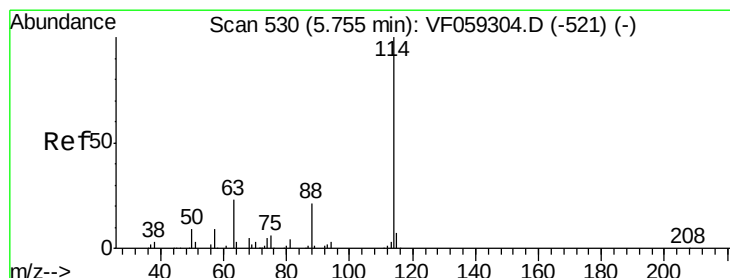
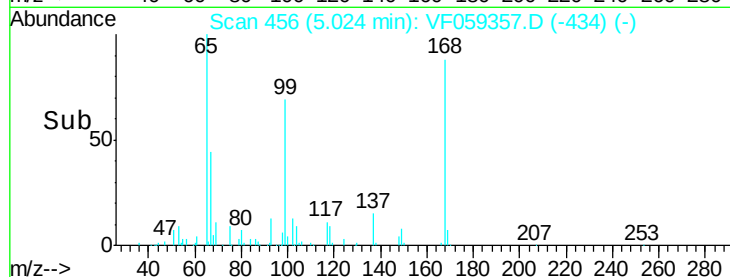
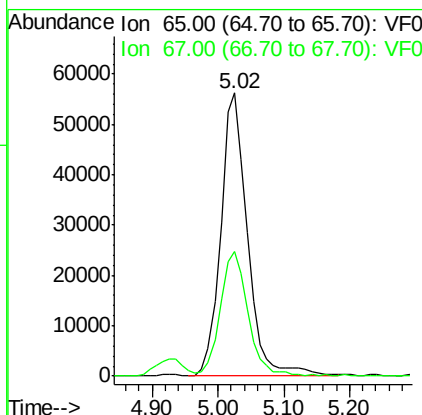
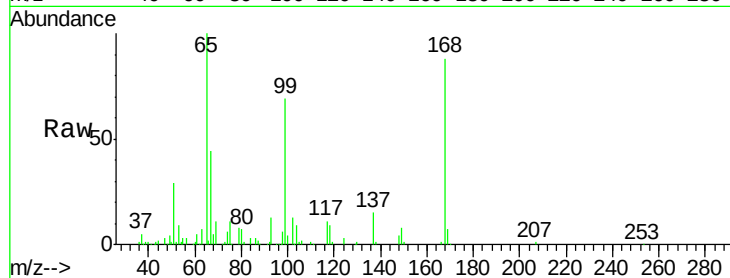




#33
 1,2-Dichloroethane-d4
 Concen: 45.628 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

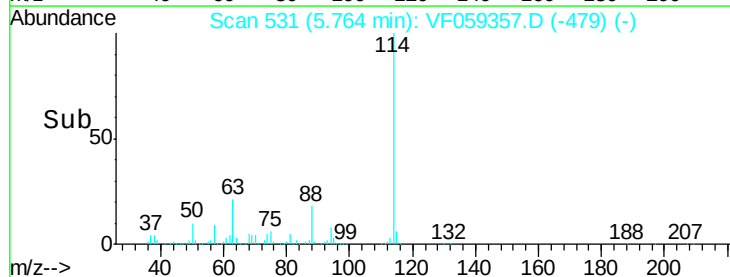
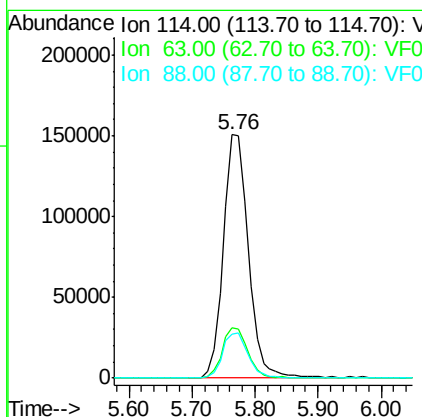
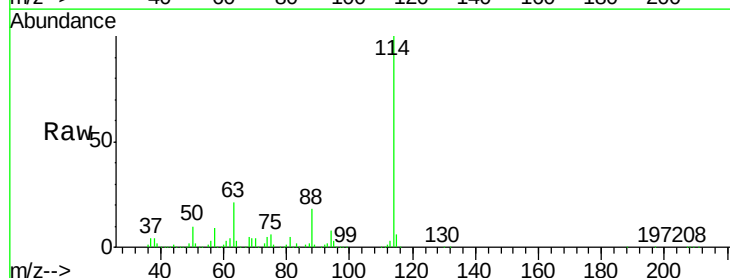
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

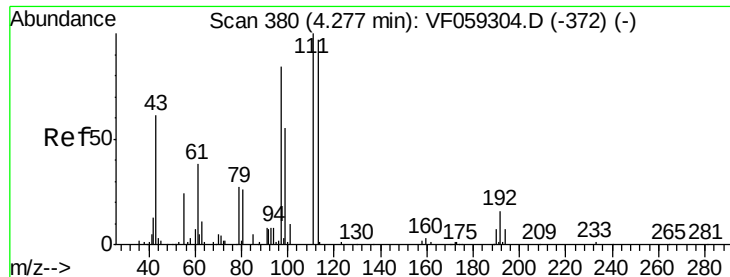
Tot Ion: 65 Resp: 157895
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion: 114 Resp: 414902
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.8
 88 18.1 0.0 41.2





#35

Dibromofluoromethane

Concen: 45.729 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

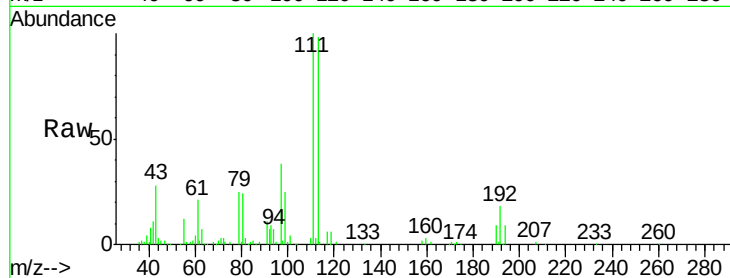
Tot Ion:113 Resp: 138629

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

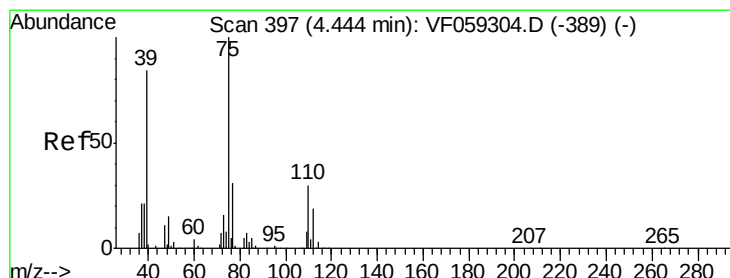
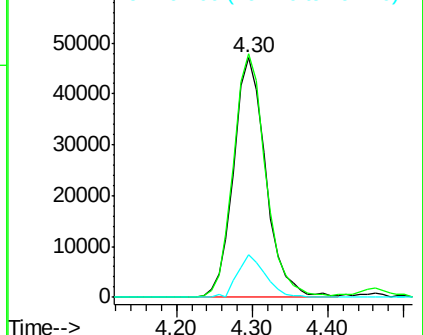
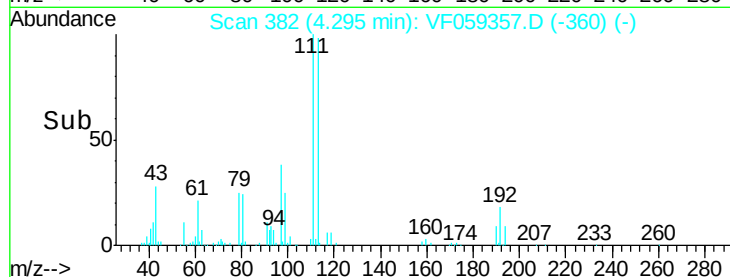
192 18.0 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.565 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

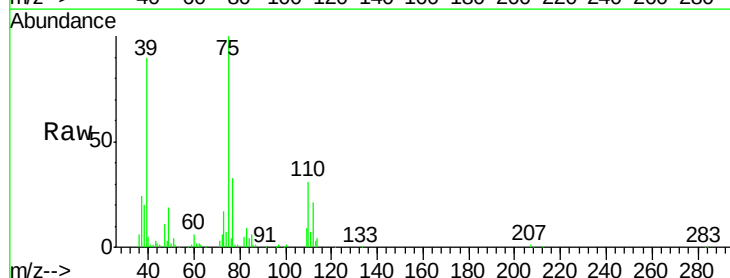
Tgt Ion: 75 Resp: 74539

Ion Ratio Lower Upper

75 100

110 30.6 14.8 44.4

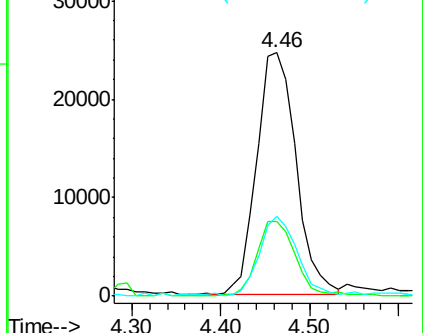
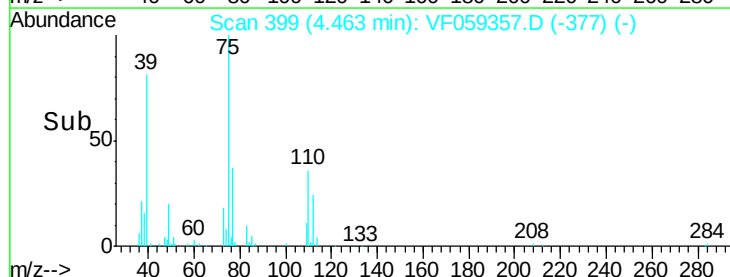
77 33.0 25.2 37.8

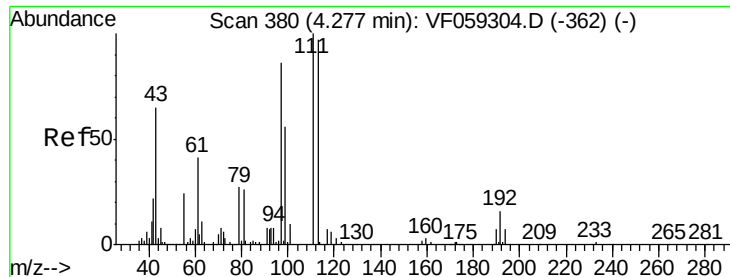


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

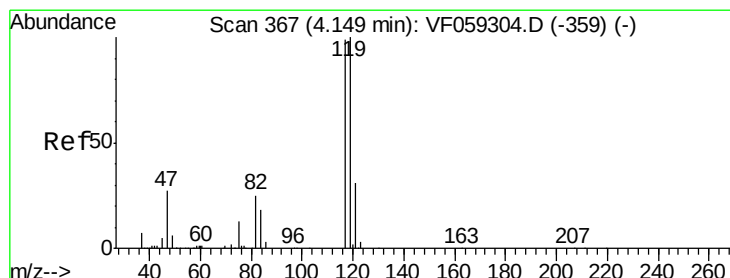
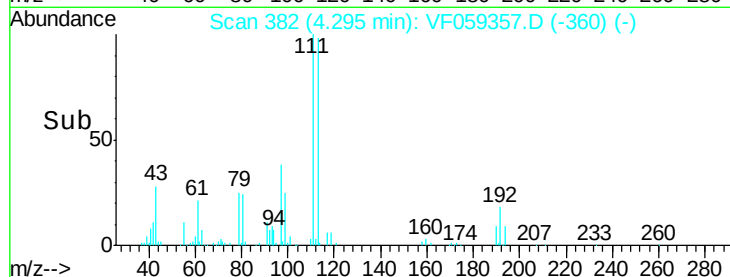
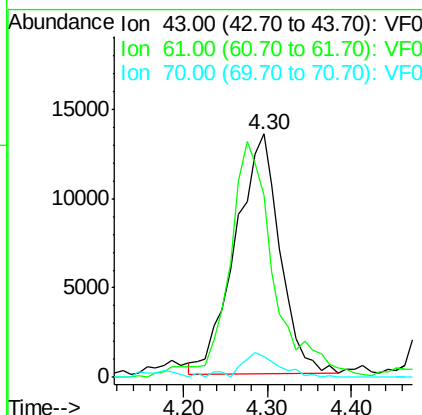
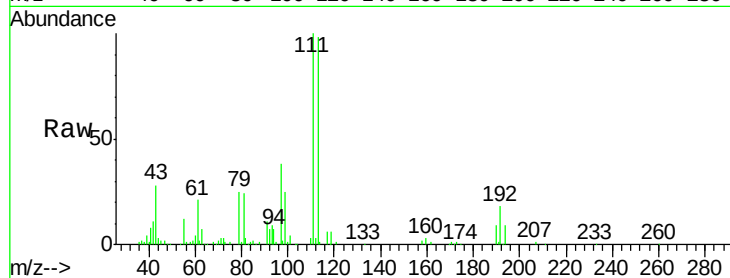




#37
Ethyl Acetate
Concen: 20.481 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

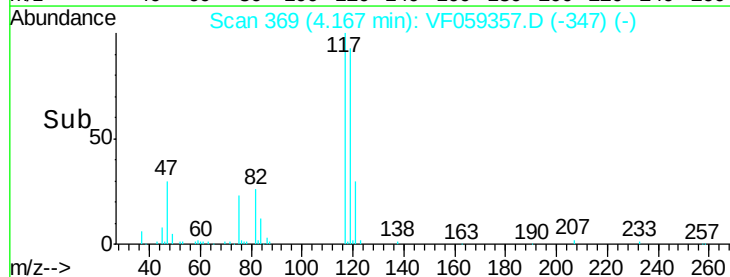
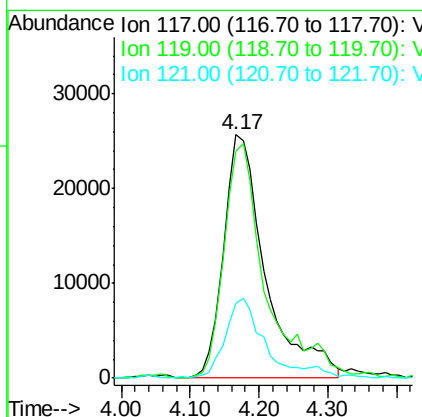
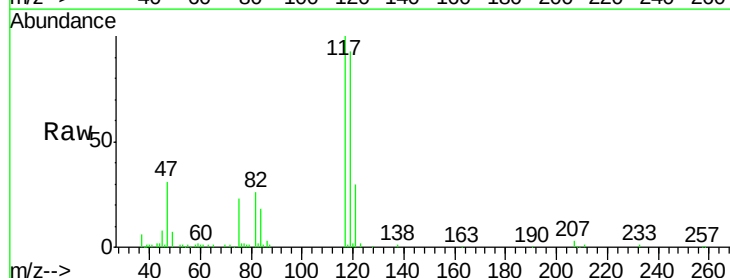
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

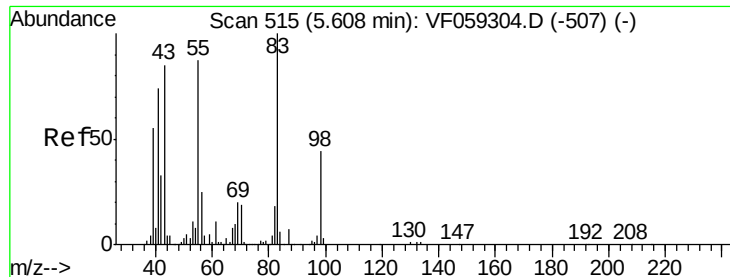
Tot Ion: 43 Resp: 49513
Ion Ratio Lower Upper
43 100
61 75.0 50.1 75.1
70 8.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 23.798 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion: 117 Resp: 108852
Ion Ratio Lower Upper
117 100
119 93.0 81.0 121.4
121 30.5 24.7 37.1

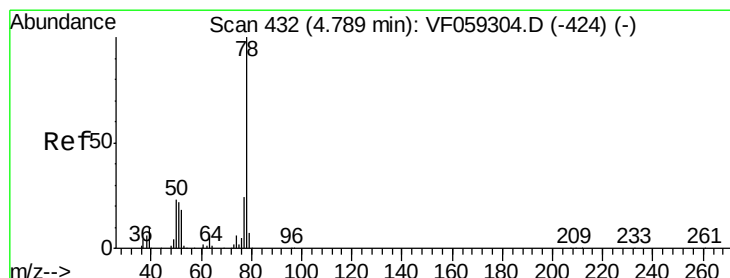
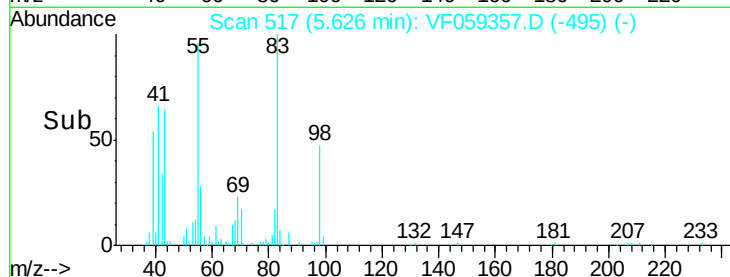
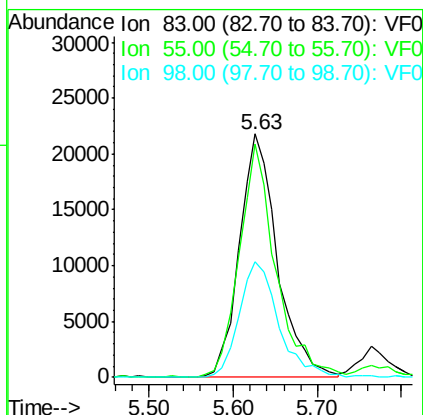
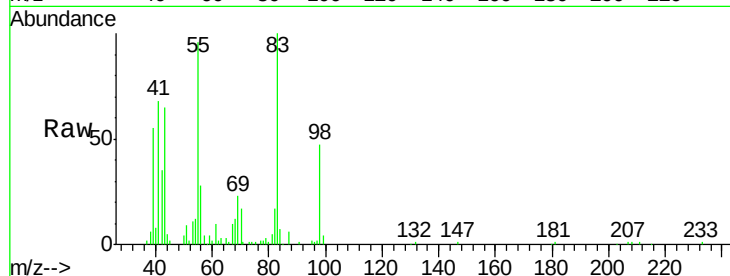




#39
Methylvlcyclohexane
Concen: 21.368 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

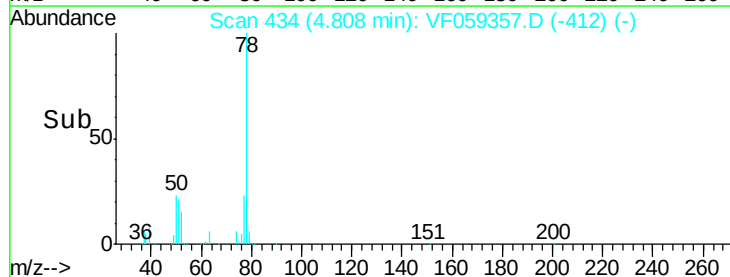
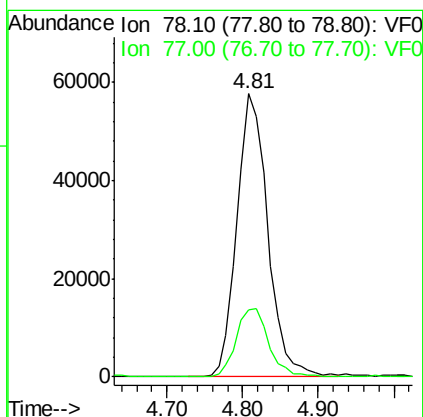
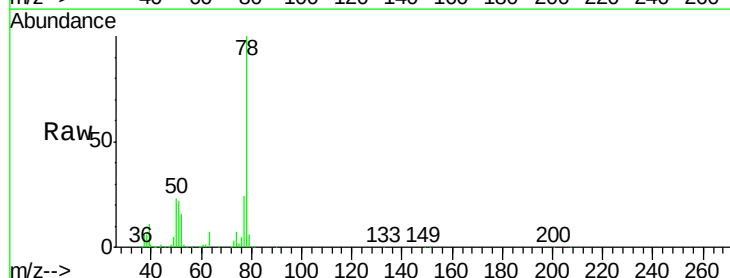
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

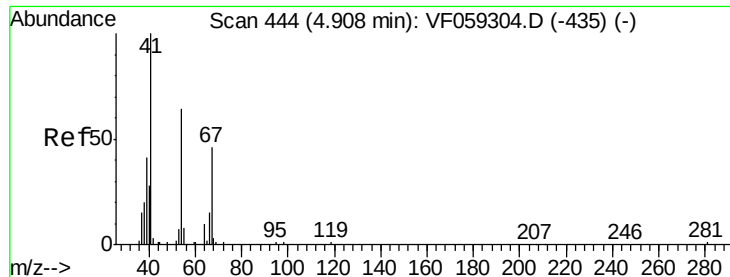
Tot Ion: 83 Resp: 68632
Ion Ratio Lower Upper
83 100
55 95.6 69.2 103.8
98 47.3 35.0 52.6



#40
Benzene
Concen: 20.371 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion: 78 Resp: 163709
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4

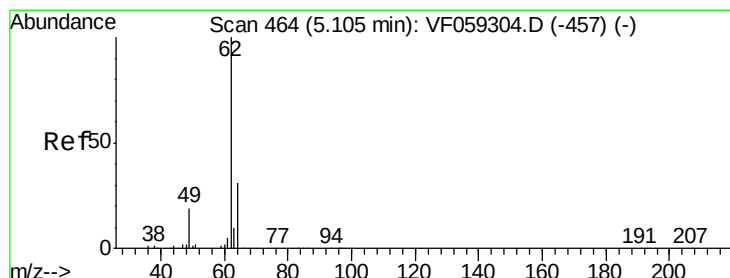
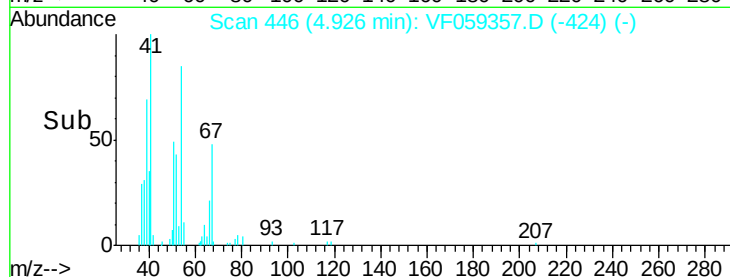
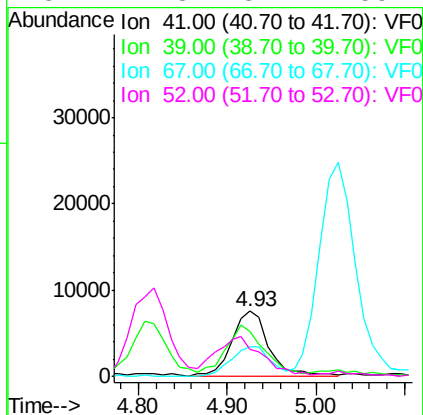
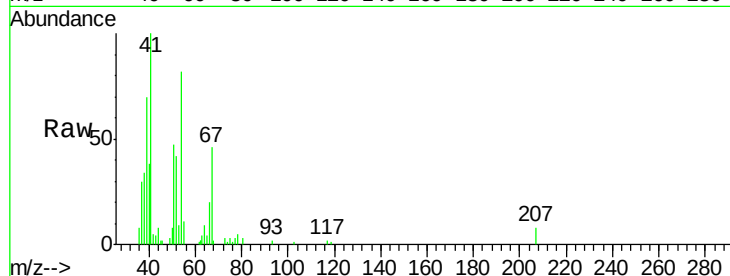




#41
Methacrylonitrile
Concen: 17.823 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

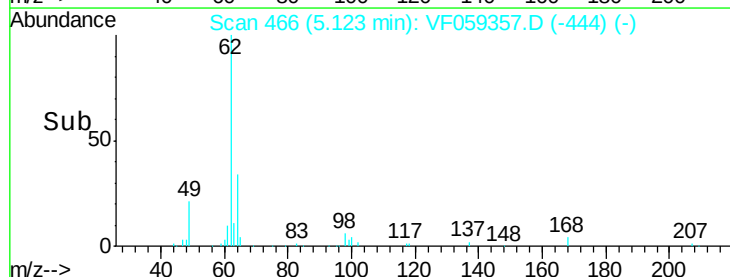
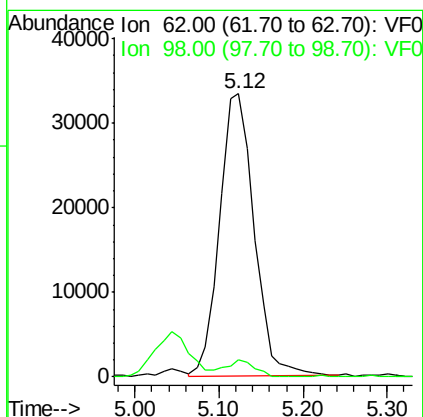
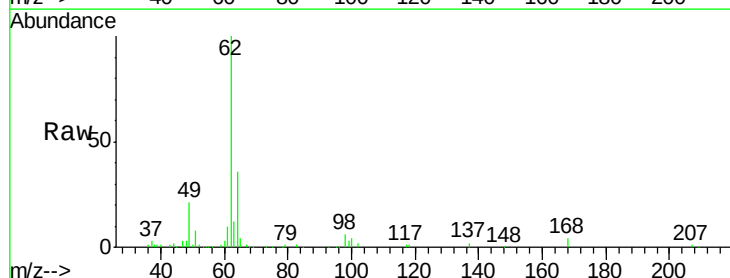
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

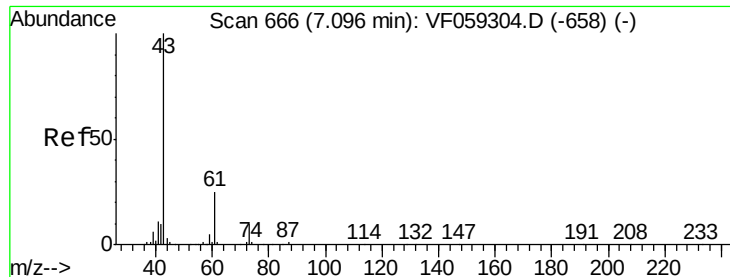
Tot Ion:	41	Resp:	22036
Ion	Ratio	Lower	Upper
41	100		
39	70.0	50.0	75.0
67	45.8	37.0	55.6
52	41.8	37.1	55.7



#42
1,2-Dichloroethane
Concen: 20.322 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion:	62	Resp:	95431
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.4



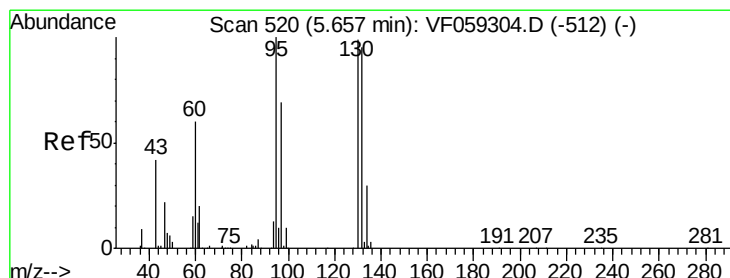
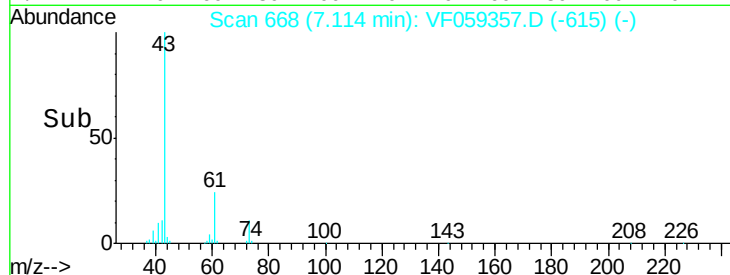
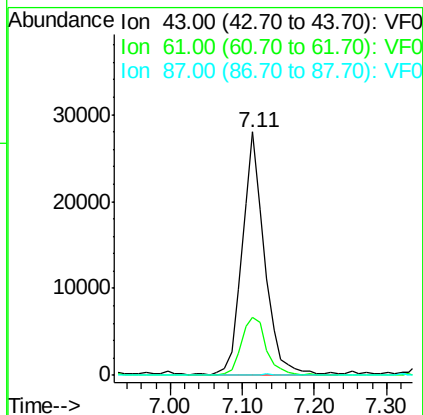
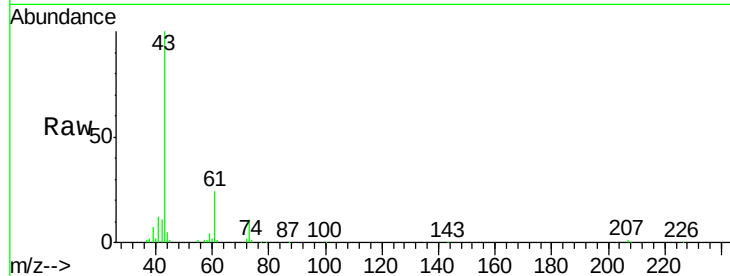


#43

Isopropyl Acetate
 Concen: 20.158 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

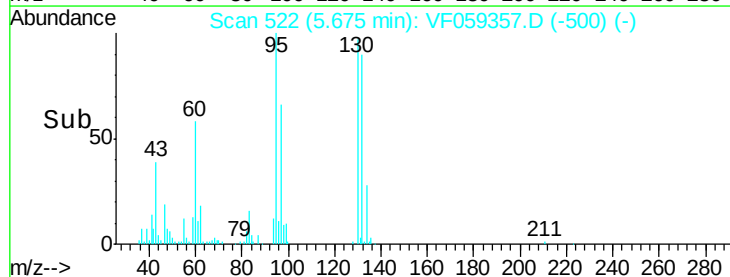
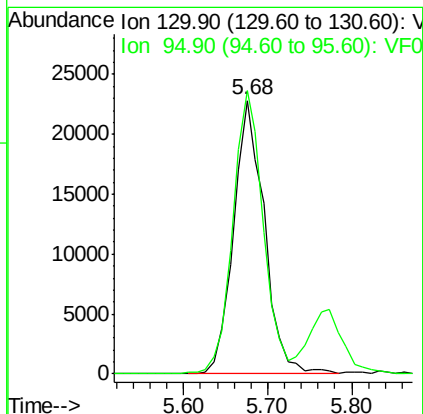
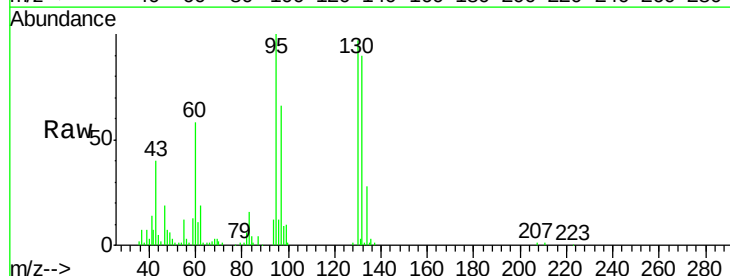
Tot Ion: 43 Resp: 60859
 Ion Ratio Lower Upper
 43 100
 61 23.9 19.7 29.5
 87 0.4 0.5 0.7#

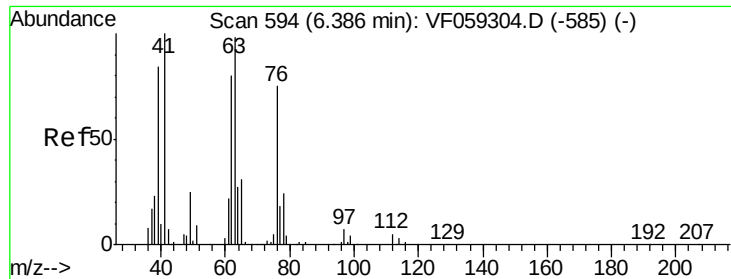


#44

Trichloroethene
 Concen: 21.010 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion:130 Resp: 57920
 Ion Ratio Lower Upper
 130 100
 95 103.5 0.0 202.4

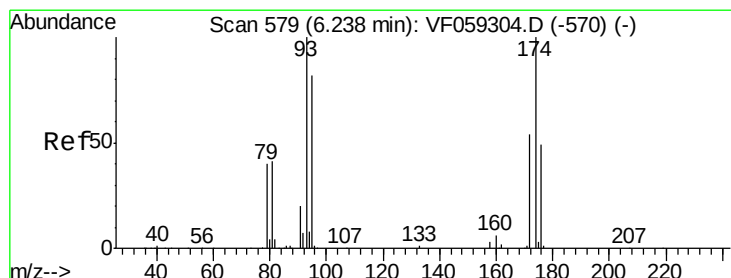
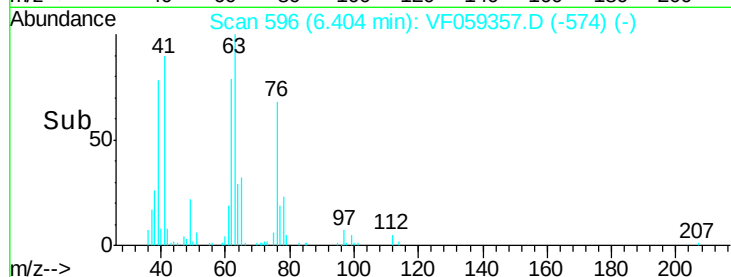
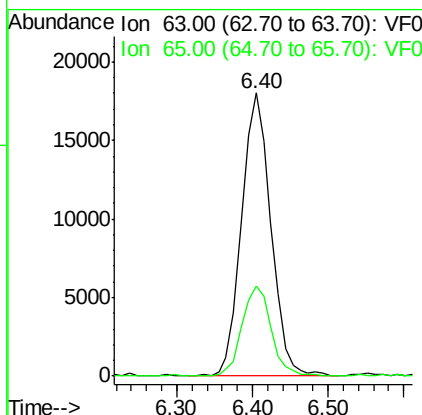
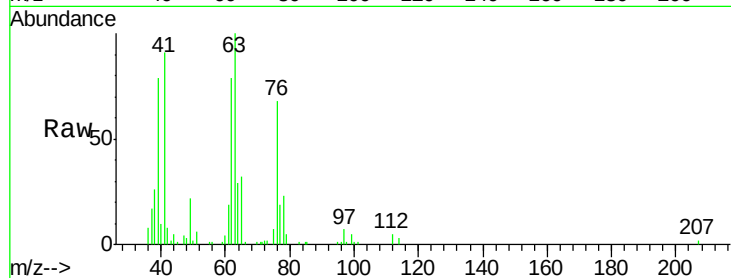




#45
 1,2-Dichloropropane
 Concen: 21.136 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

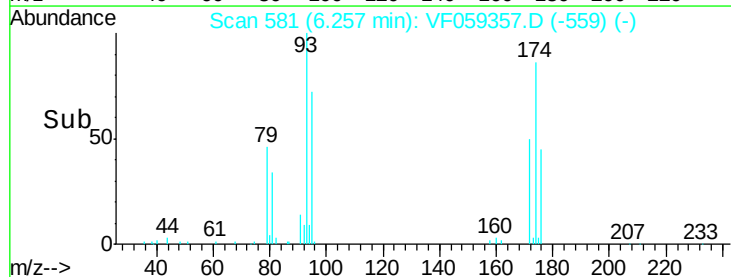
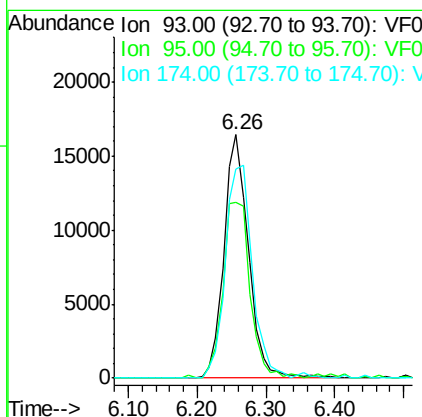
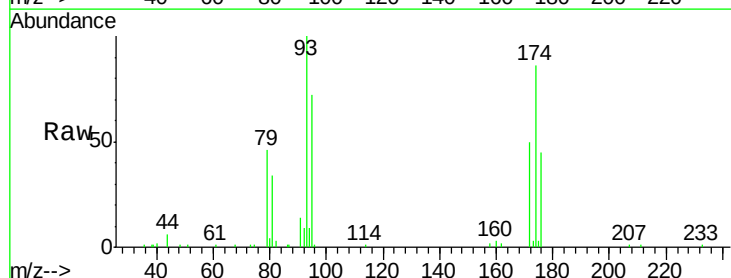
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

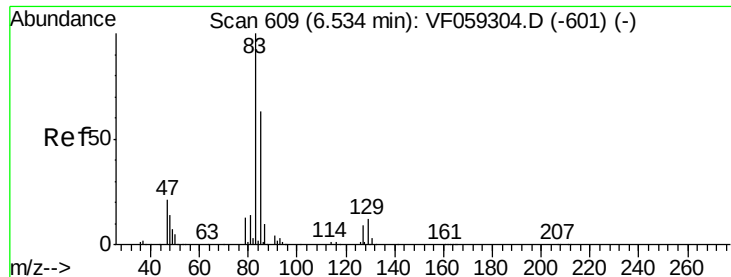
Tot Ion: 63 Resp: 48529
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.3 37.9



#46
 Dibromomethane
 Concen: 20.416 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion: 93 Resp: 40685
 Ion Ratio Lower Upper
 93 100
 95 73.3 65.6 98.4
 174 85.7 80.0 120.0





#47

Bromodichloromethane

Concen: 20.283 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

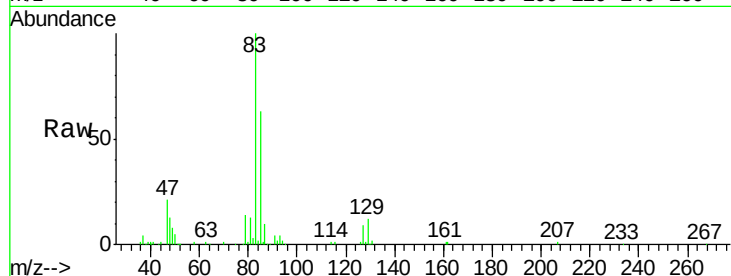
Tot Ion: 83 Resp: 97845

Ion Ratio Lower Upper

83 100

85 62.9 50.2 75.2

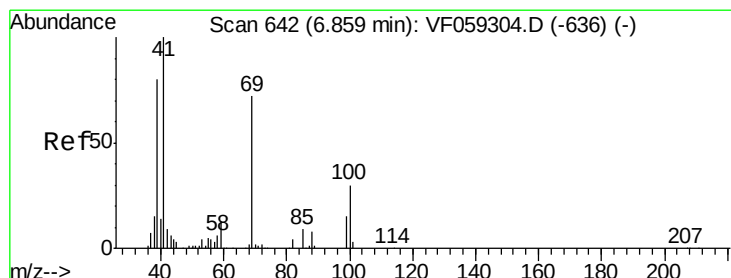
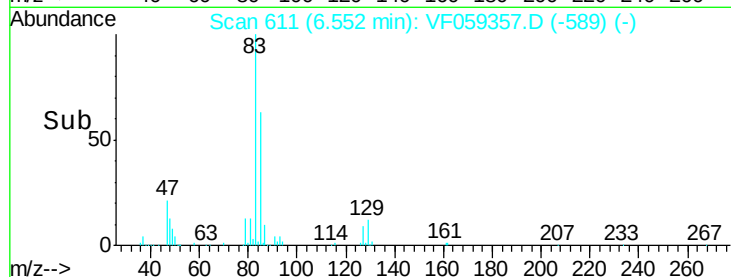
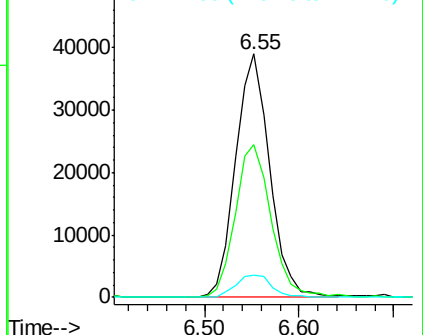
127 9.0 7.0 10.4



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: 18.267 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

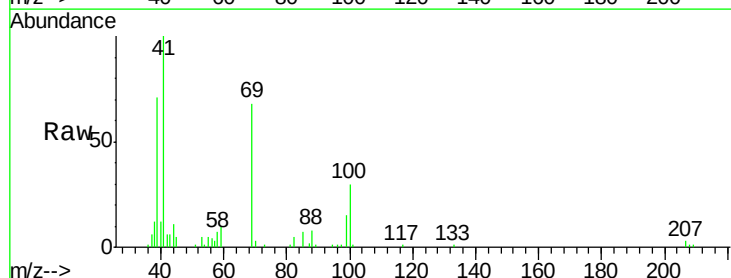
Tgt Ion: 41 Resp: 36961

Ion Ratio Lower Upper

41 100

69 67.7 57.3 85.9

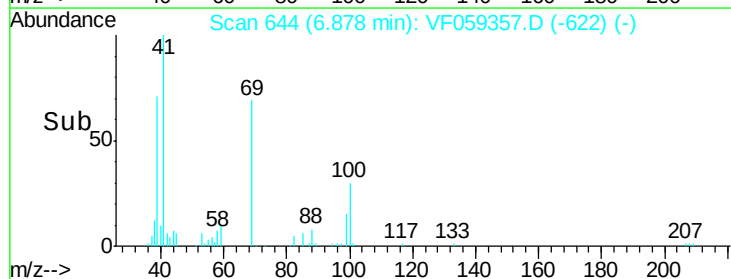
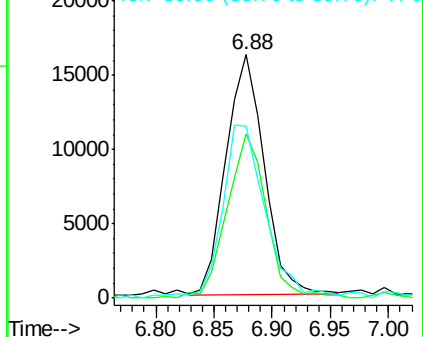
39 70.6 64.4 96.6

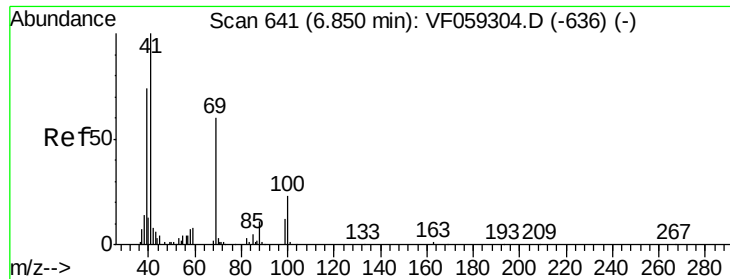


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 362.653 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

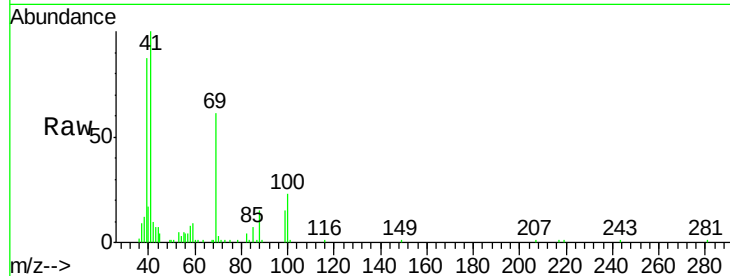
Tot Ion: 88 Resp: 4208

Ion Ratio Lower Upper

88 100

43 44.7 50.6 75.8#

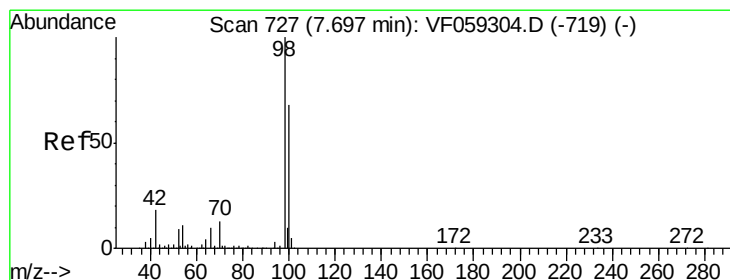
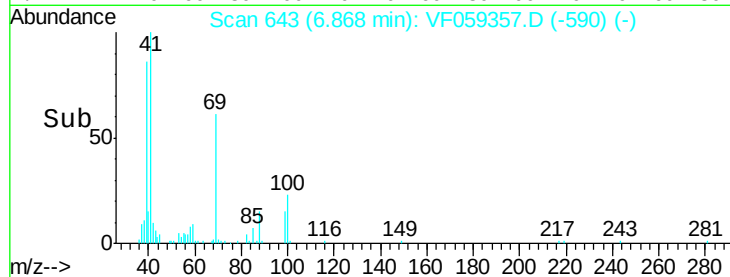
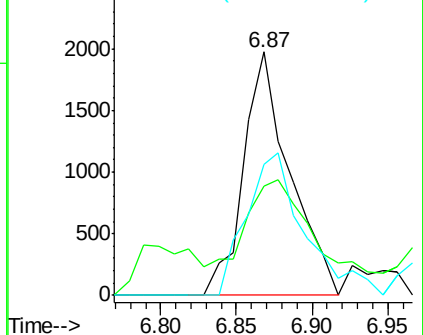
58 53.8 46.6 69.8



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: 46.823 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF059357.D

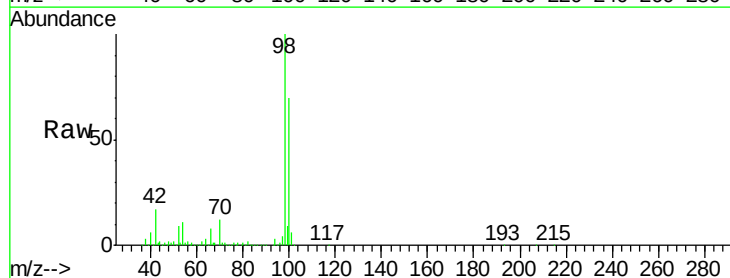
Acq: 28 Jun 2018 13:41

Tgt Ion: 98 Resp: 351443

Ion Ratio Lower Upper

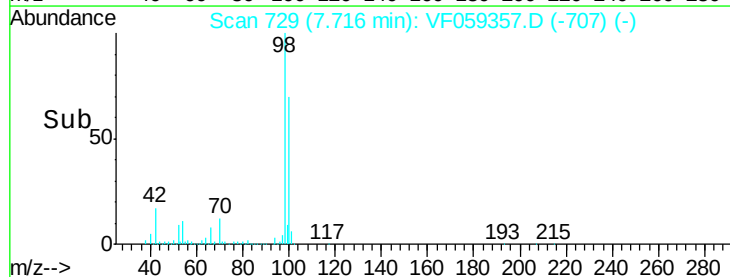
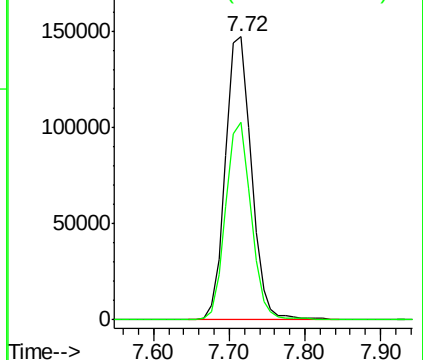
98 100

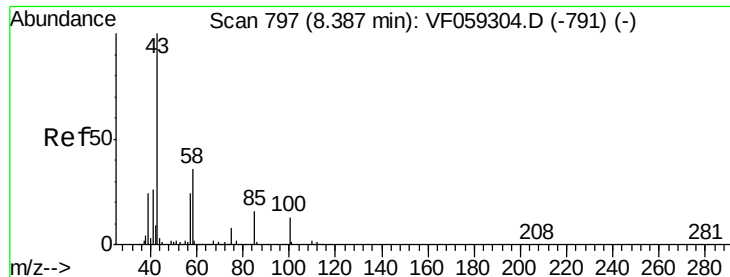
100 69.7 54.6 82.0



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: 98.523 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

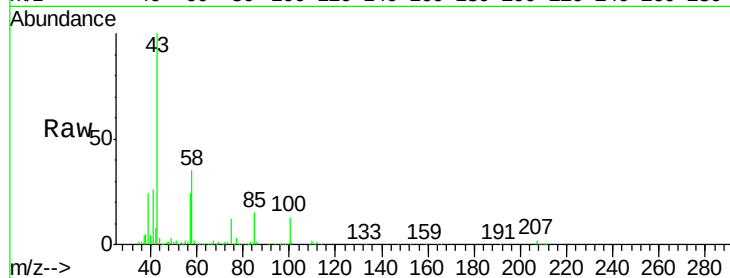
VF0628SBSD01

Tot Ion: 43 Resp: 220363

Ion Ratio Lower Upper

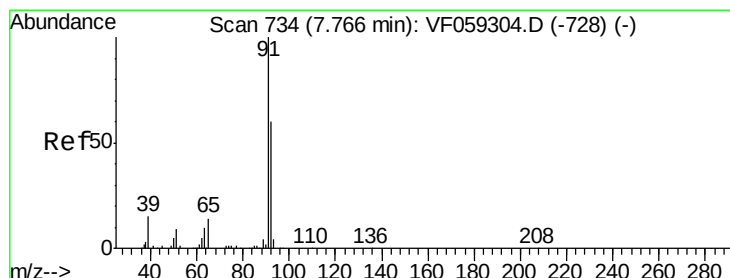
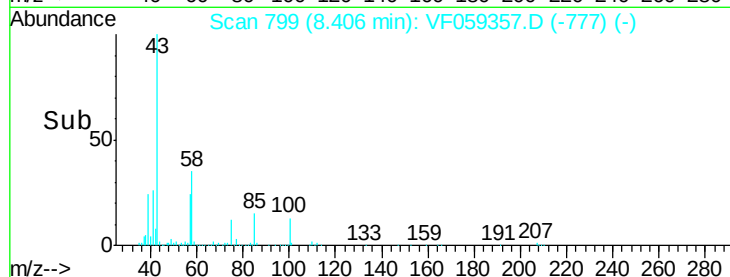
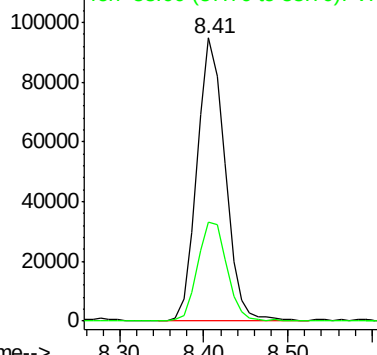
43 100

58 35.0 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: 20.668 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF059357.D

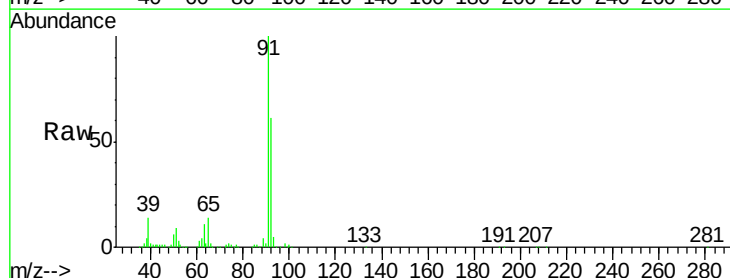
Acq: 28 Jun 2018 13:41

Tgt Ion: 92 Resp: 124287

Ion Ratio Lower Upper

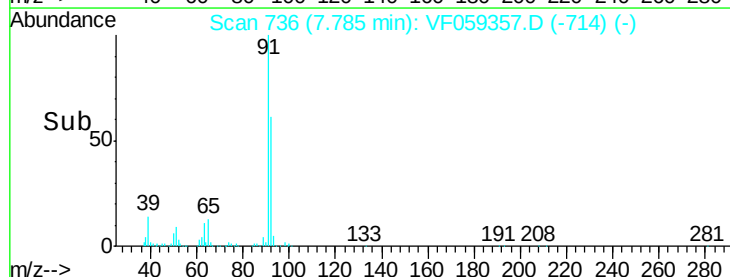
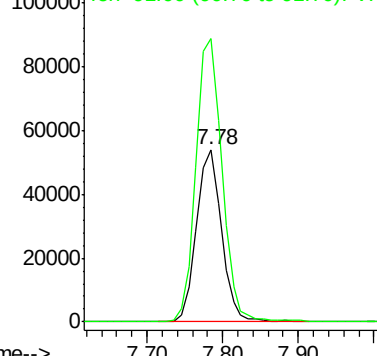
92 100

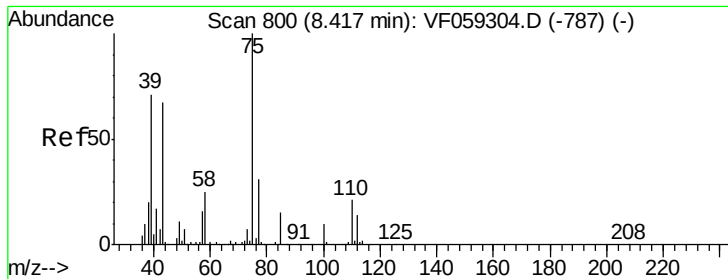
91 164.5 132.8 199.2



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: 20.806 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

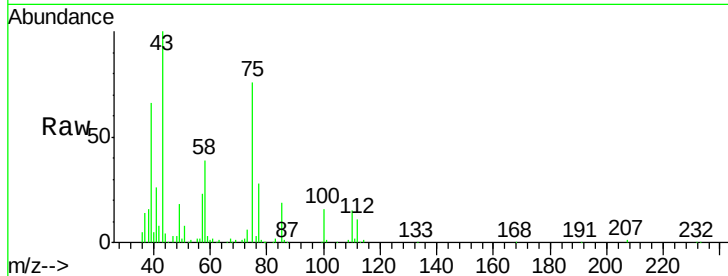
VF0628SBSD01

Tot Ion: 75 Resp: 91486

Ion Ratio Lower Upper

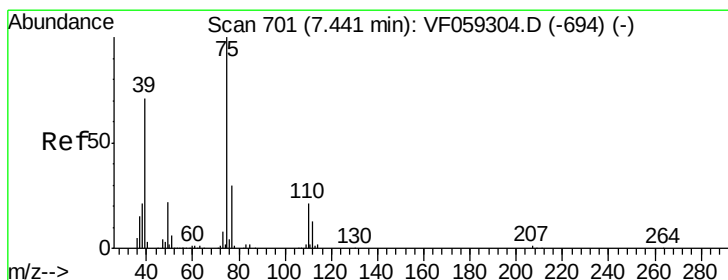
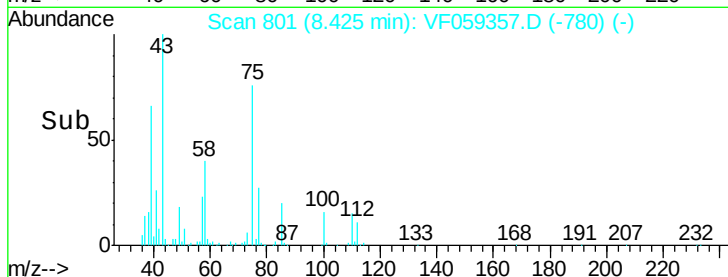
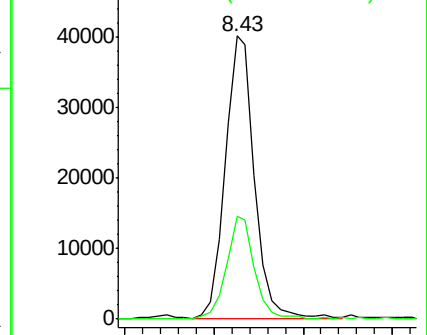
75 100

77 36.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.882 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

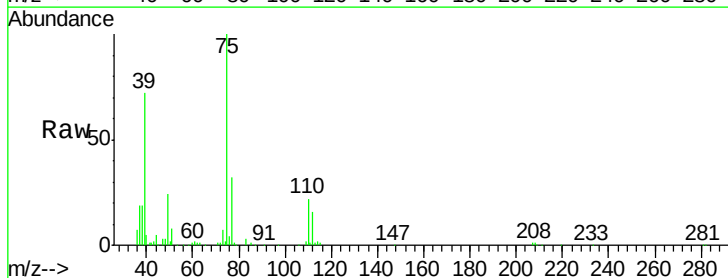
Tgt Ion: 75 Resp: 94963

Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

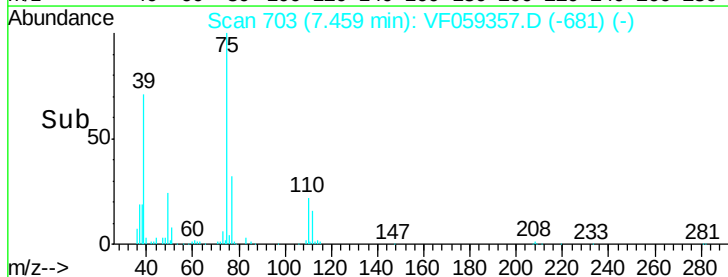
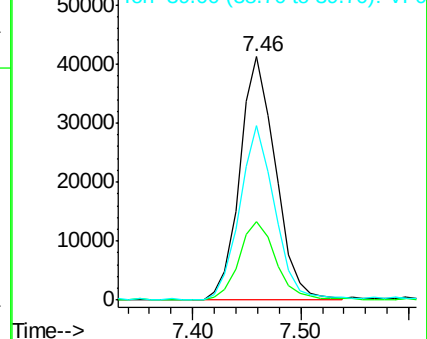
39 71.8 57.2 85.8

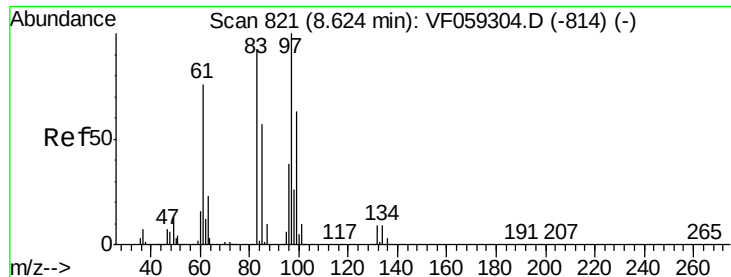


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.873 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

Tot Ion: 97 Resp: 48734

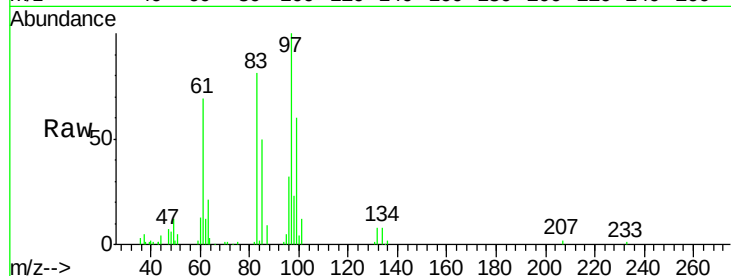
Ion Ratio Lower Upper

97 100

83 80.7 73.8 110.8

85 49.9 45.5 68.3

99 60.0 50.7 76.1

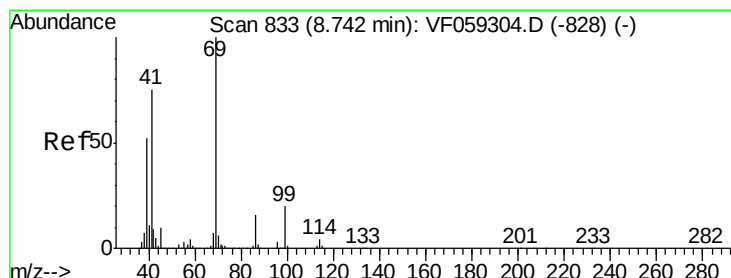
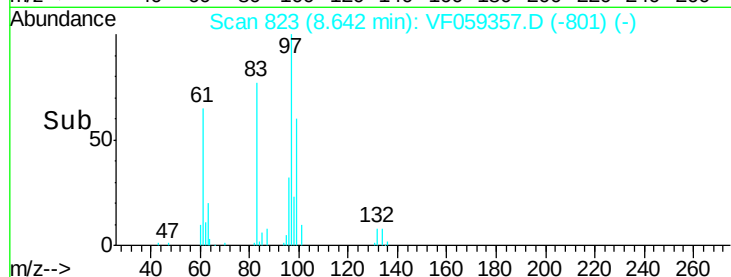
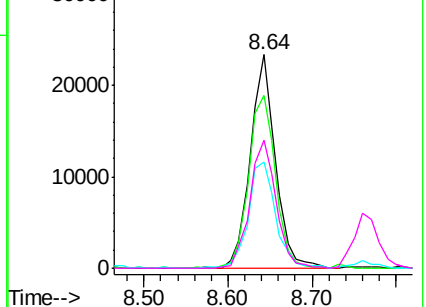


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.251 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

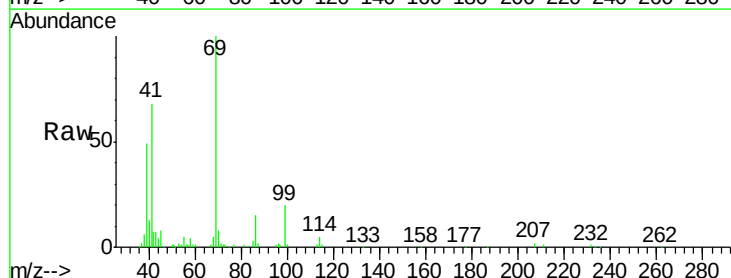
Tgt Ion: 69 Resp: 55678

Ion Ratio Lower Upper

69 100

41 68.1 60.3 90.5

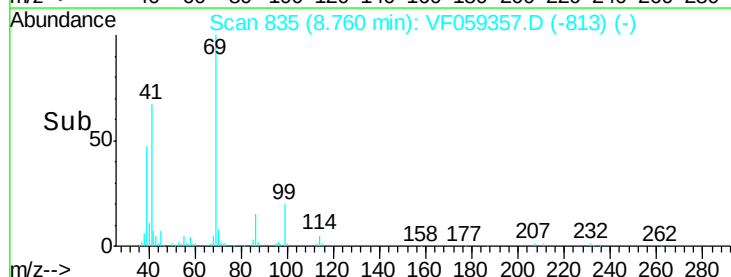
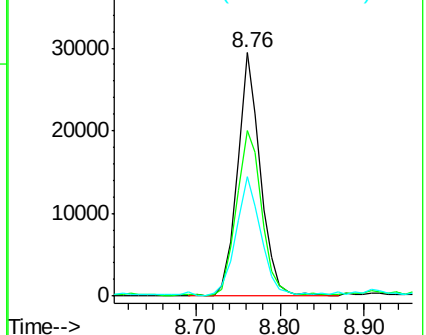
39 48.9 42.2 63.4

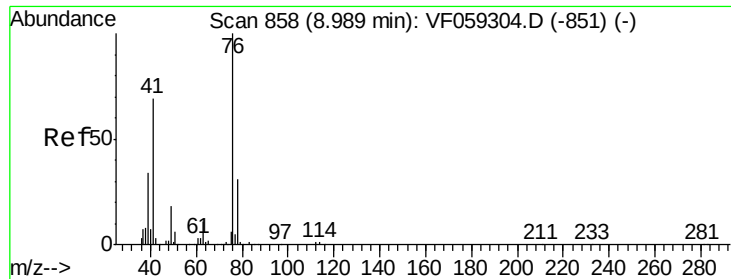


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.159 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

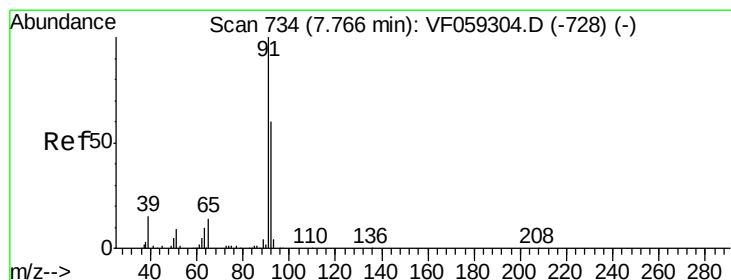
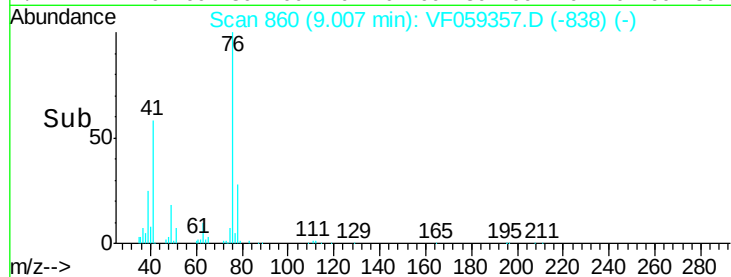
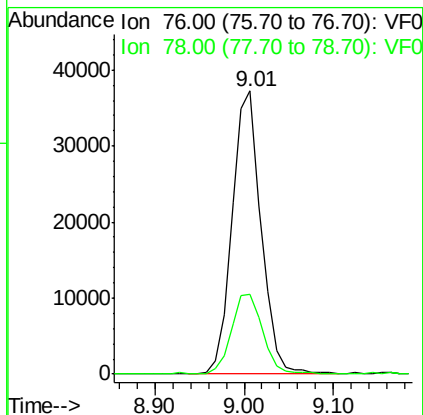
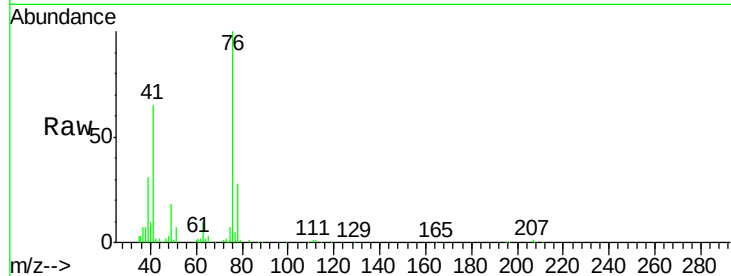
VF0628SBS01

Tot Ion: 76 Resp: 84726

Ion Ratio Lower Upper

76 100

78 28.3 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 107.714 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF059357.D

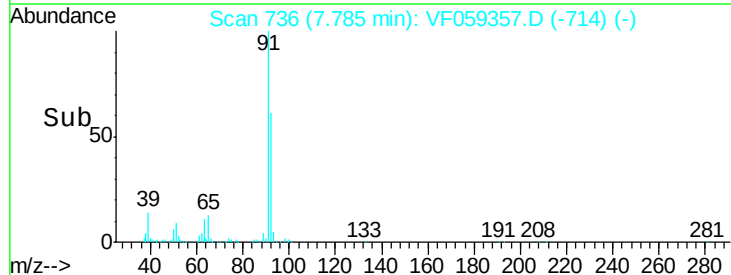
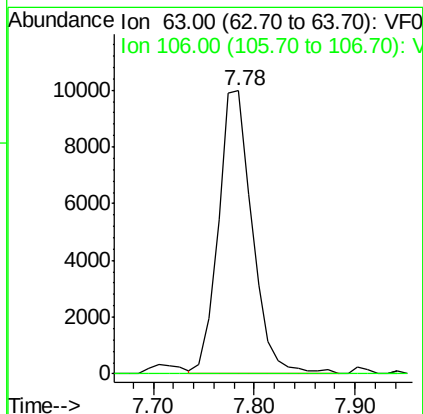
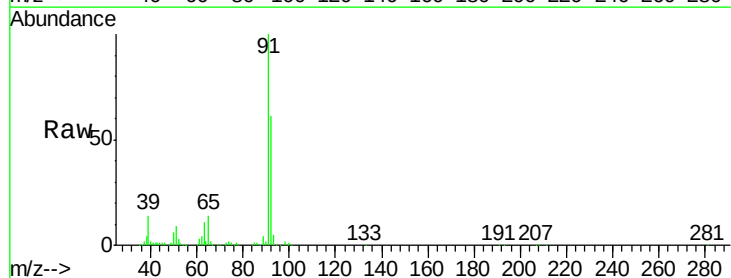
Acq: 28 Jun 2018 13:41

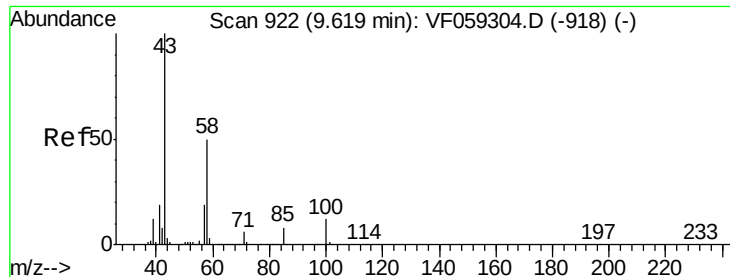
Tgt Ion: 63 Resp: 23365

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

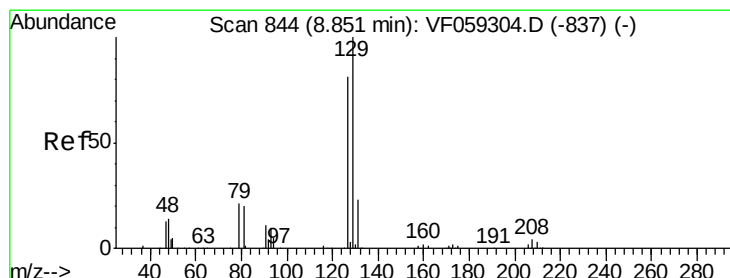
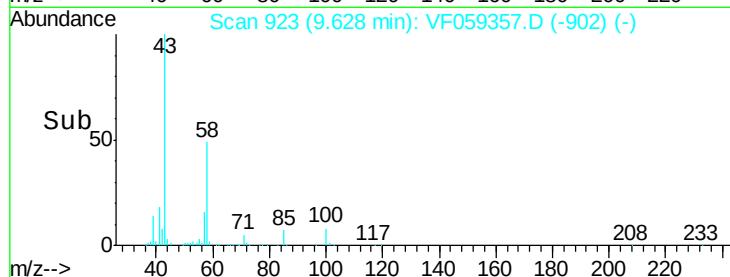
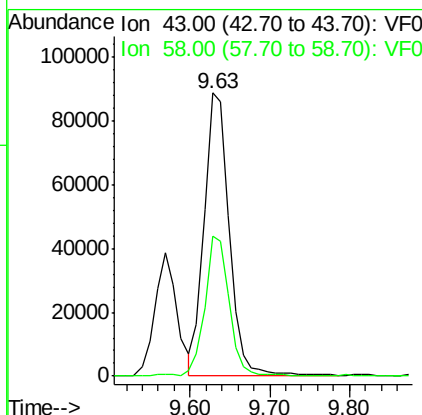
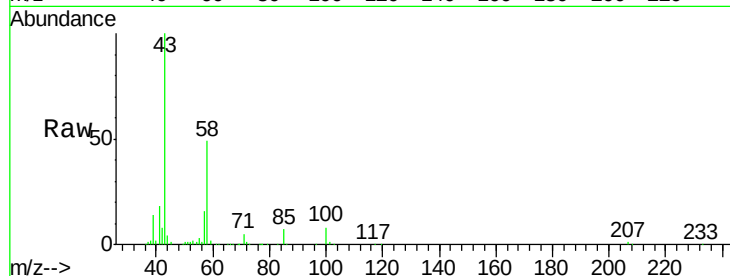




#59
2-Hexanone
Concen: 105.822 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

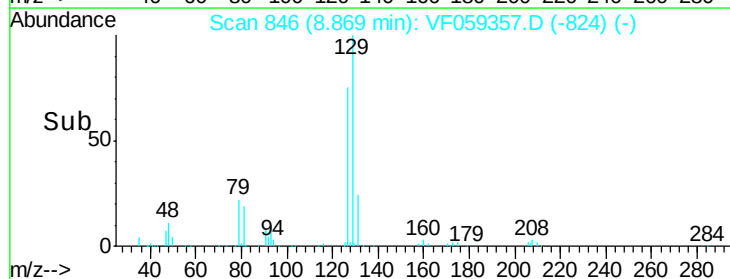
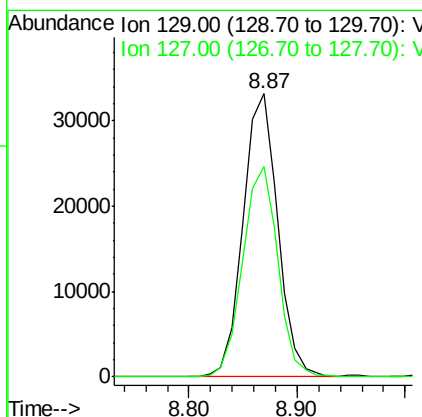
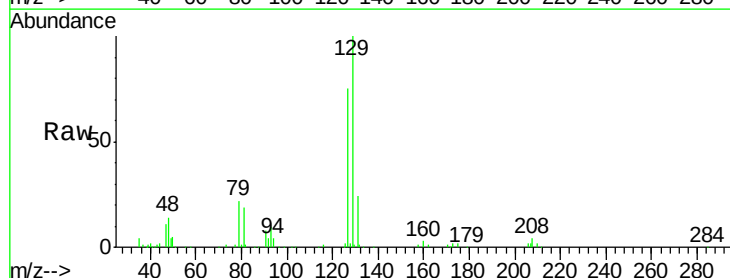
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

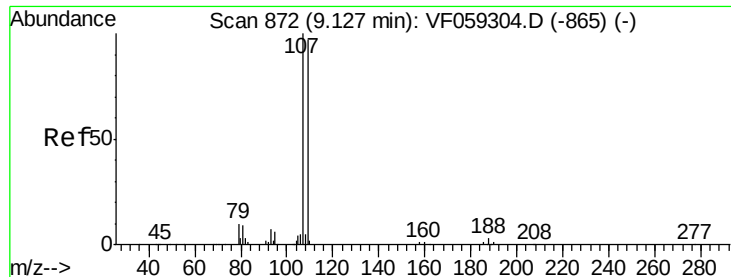
Tot Ion: 43 Resp: 194189
Ion Ratio Lower Upper
43 100
58 49.5 23.3 69.9



#60
Dibromochloromethane
Concen: 20.638 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion: 129 Resp: 74392
Ion Ratio Lower Upper
129 100
127 76.7 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.049 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

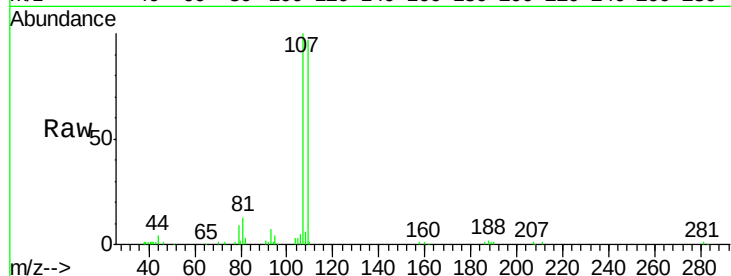
VF0628SBSD01

Tot Ion:107 Resp: 56769

Ion Ratio Lower Upper

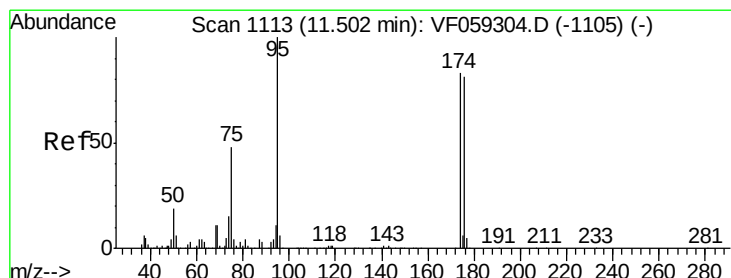
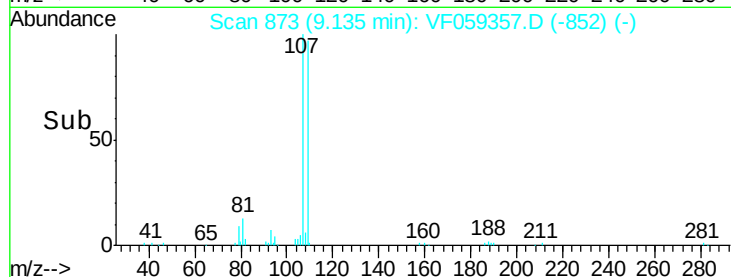
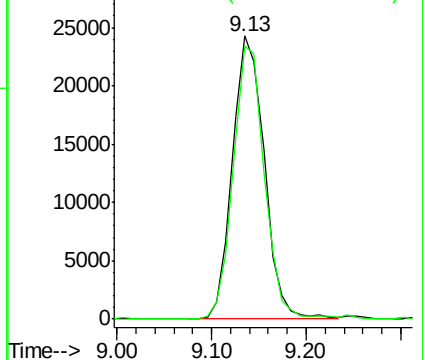
107 100

109 96.6 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.041 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

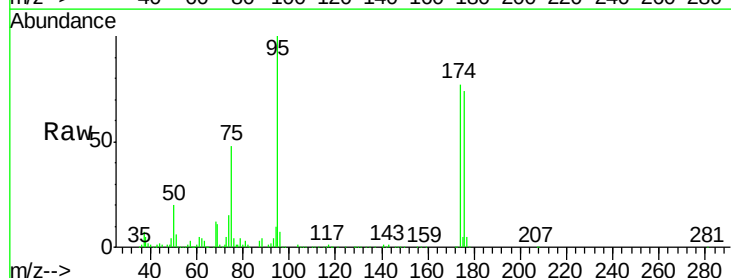
Tgt Ion: 95 Resp: 199172

Ion Ratio Lower Upper

95 100

174 76.9 0.0 165.2

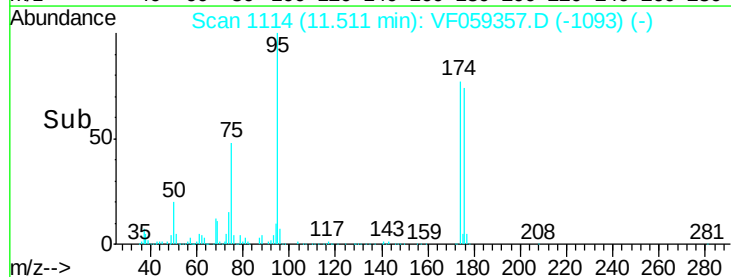
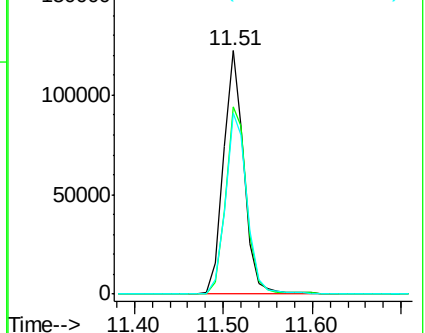
176 74.1 0.0 161.0

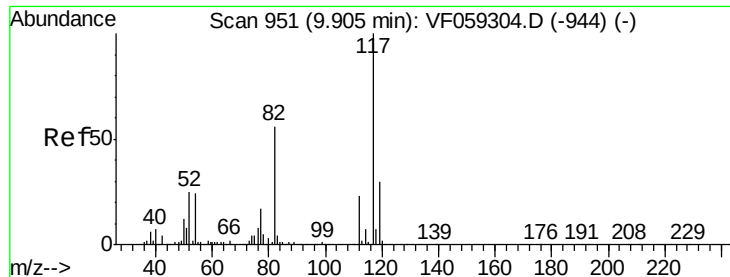


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

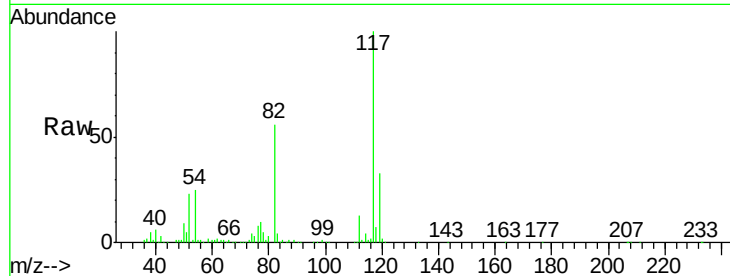




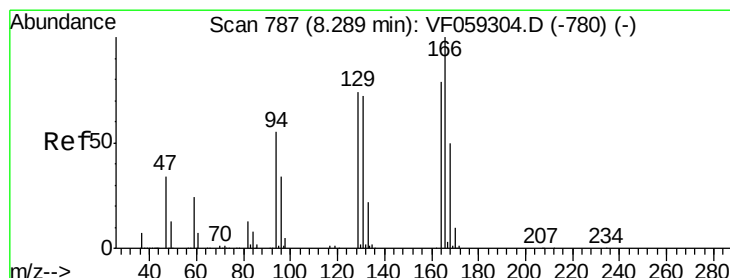
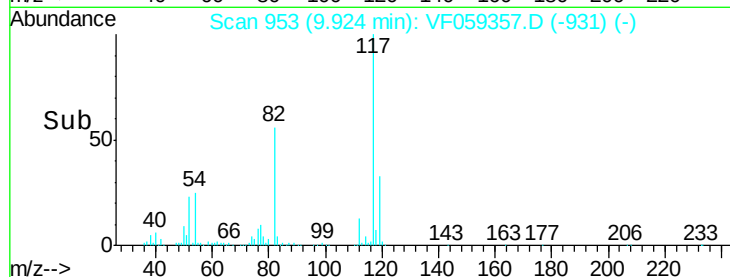
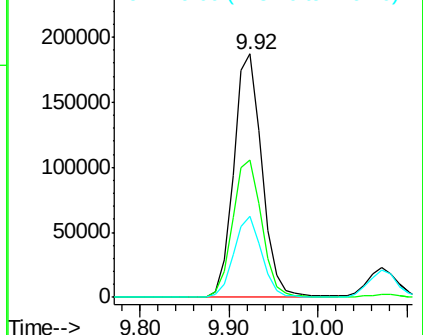
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

Tot Ion:117 Resp: 414946
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 33.2 24.1 36.1

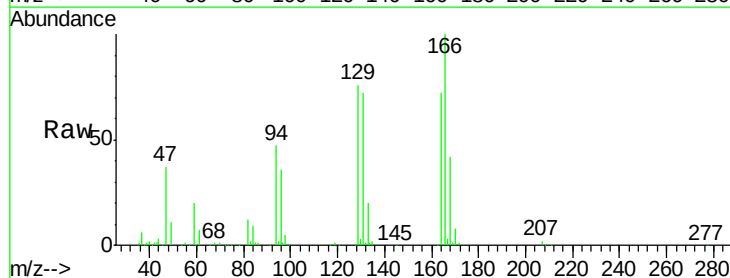


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

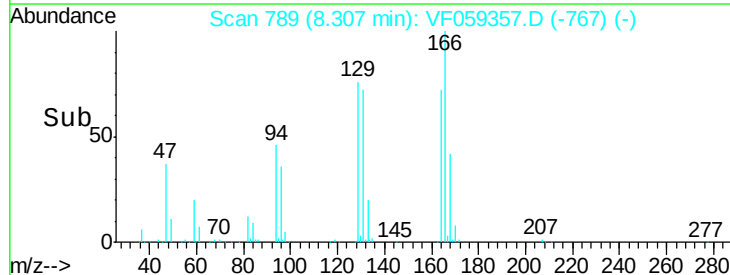
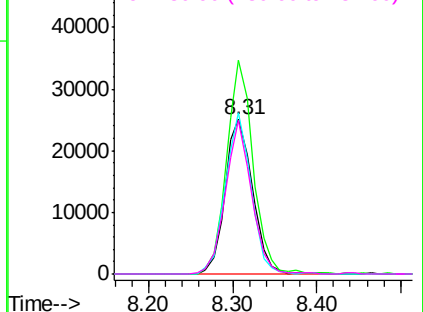


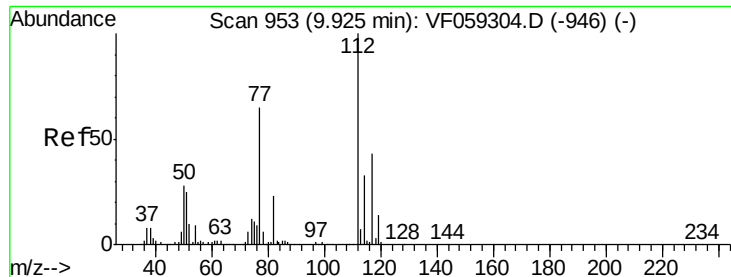
#64
Tetrachloroethene
Concen: 21.188 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion:164 Resp: 57021
Ion Ratio Lower Upper
164 100
166 138.1 101.1 151.7
129 104.6 75.0 112.4
131 99.6 73.3 109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

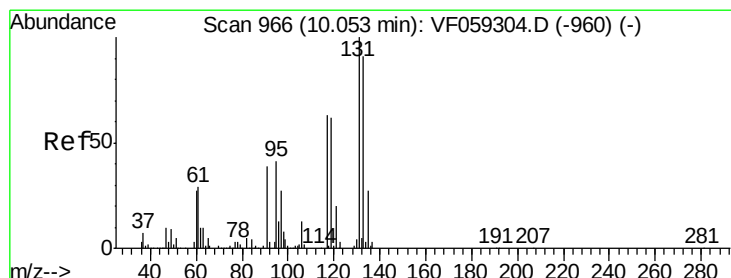
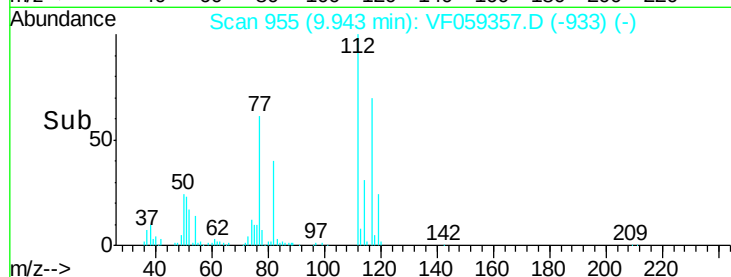
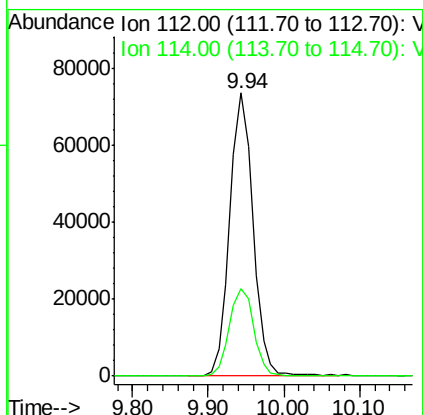
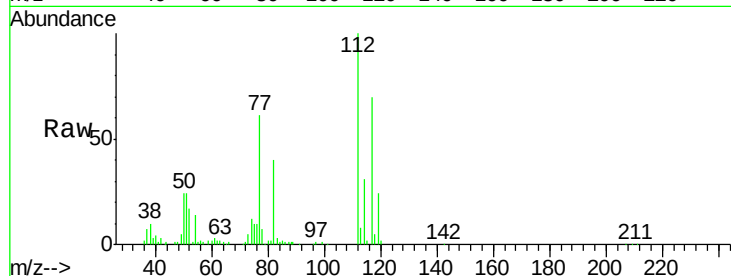




#65
Chlorobenzene
Concen: 20.491 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

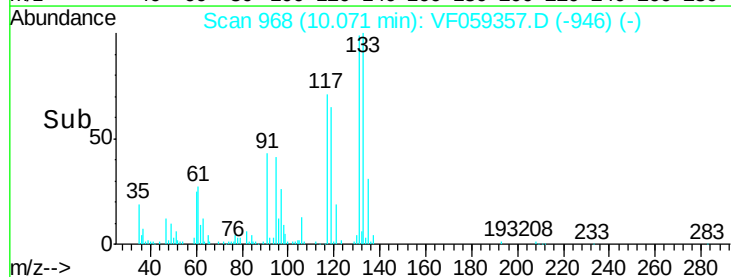
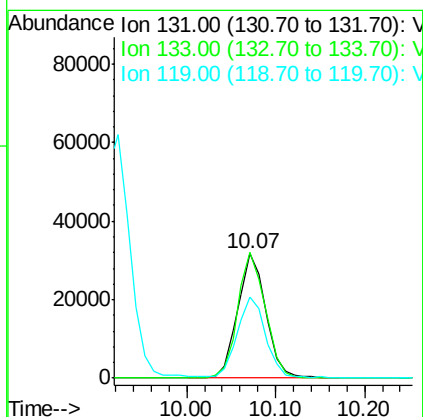
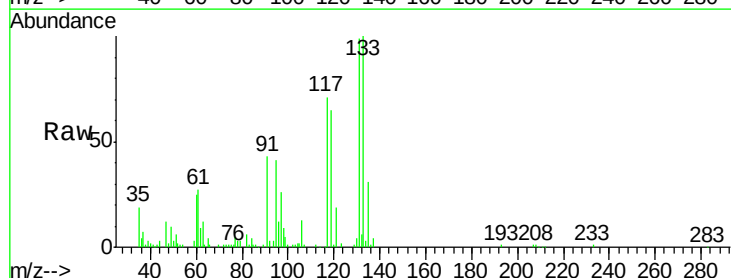
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

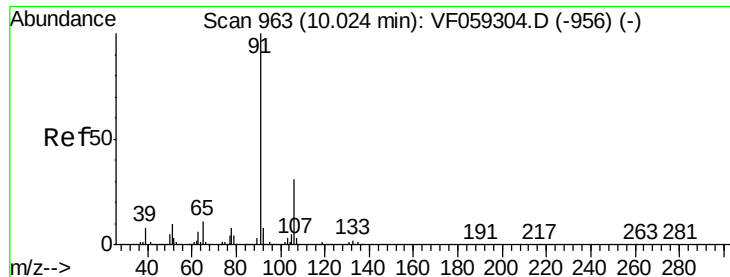
Tot Ion:112 Resp: 157559
Ion Ratio Lower Upper
112 100
114 31.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.943 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion:131 Resp: 69647
Ion Ratio Lower Upper
131 100
133 101.3 45.3 135.9
119 65.4 31.3 93.9

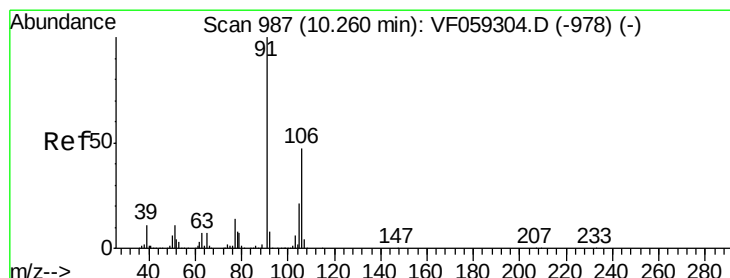
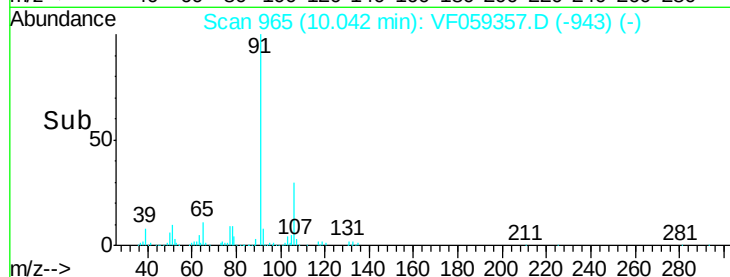
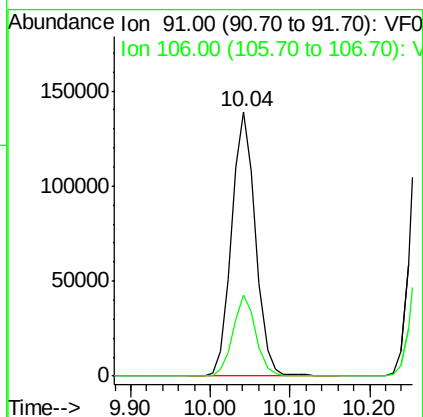
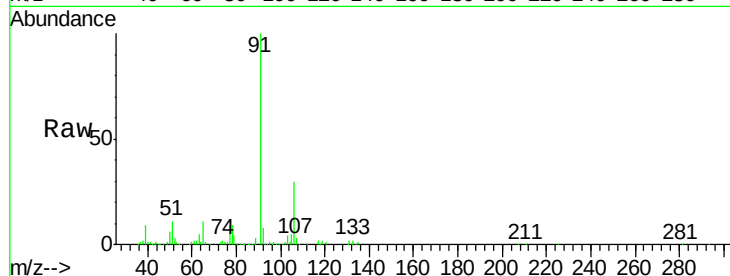




#67
Ethyl Benzene
Concen: 22.418 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

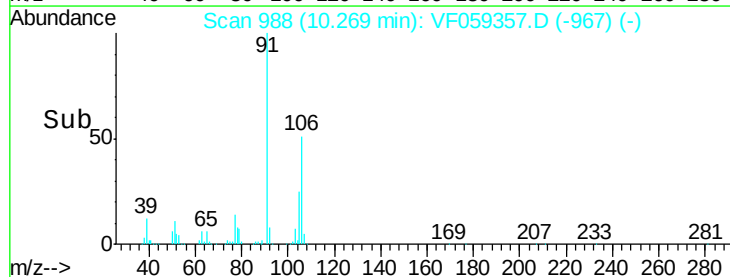
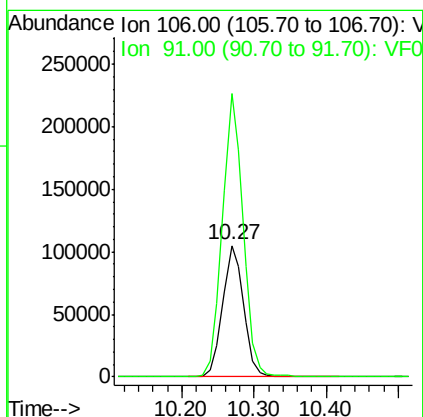
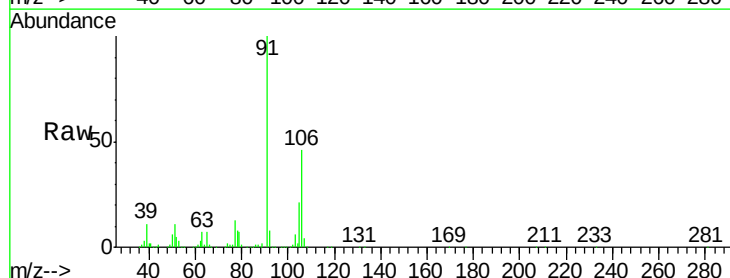
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

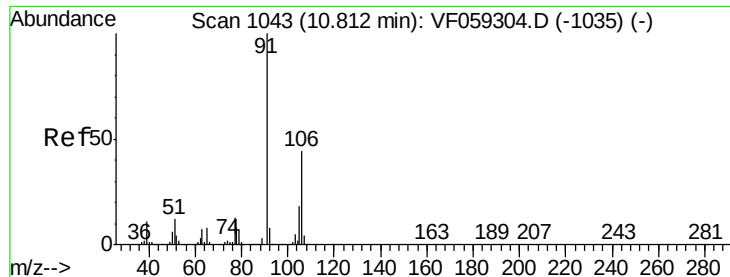
Tot Ion: 91 Resp: 292421
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2



#68
m/p-Xylenes
Concen: 45.548 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion: 106 Resp: 211466
Ion Ratio Lower Upper
106 100
91 215.7 170.8 256.2

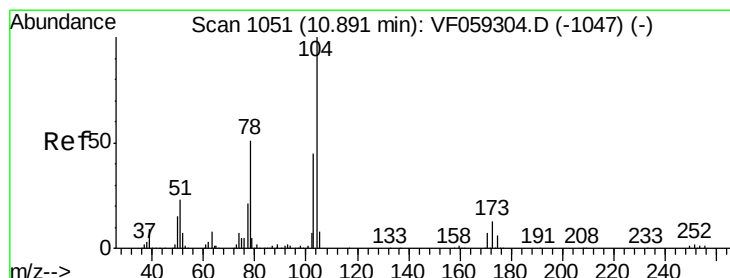
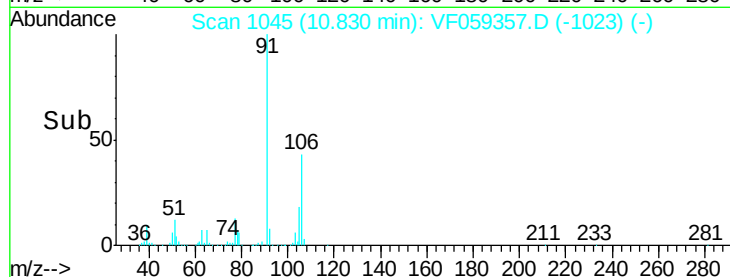
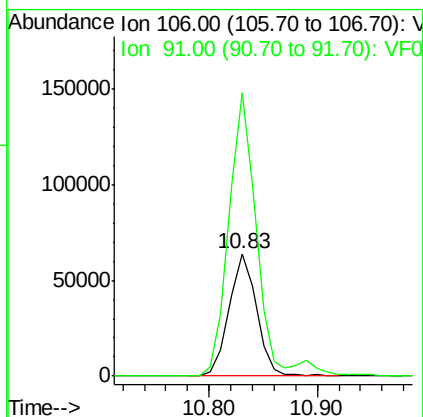
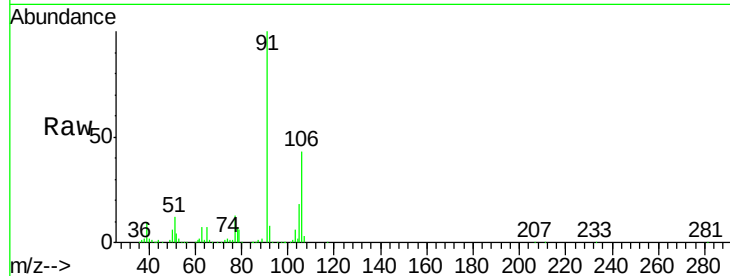




#69
o-Xylene
Concen: 21.966 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

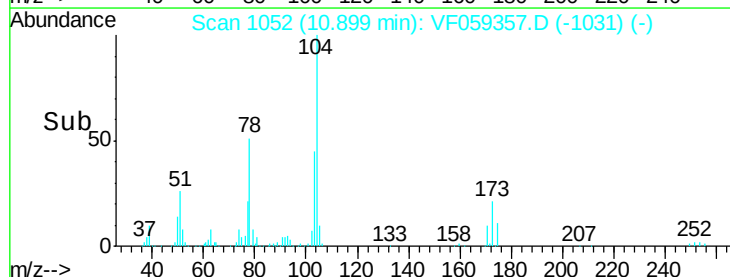
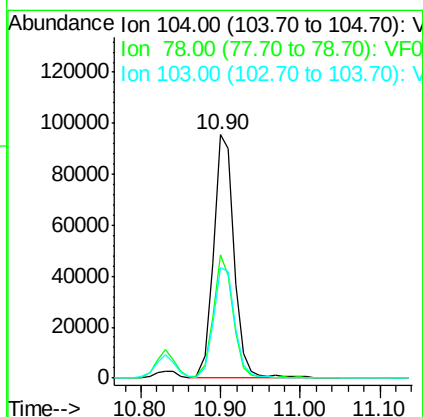
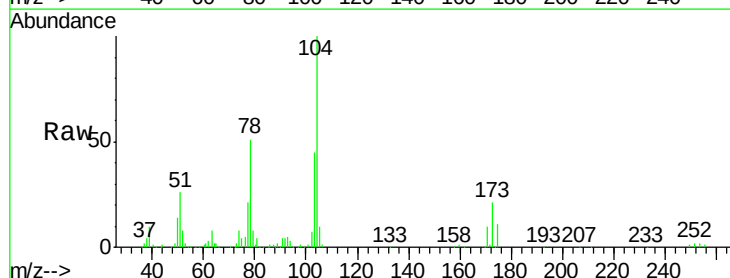
Instrument :
MSVOA_F
ClientSampleId :
VF0628SBSD01

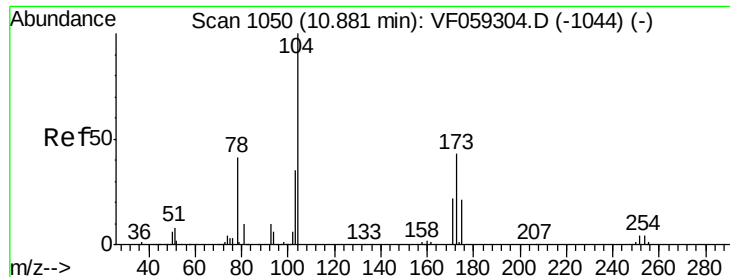
Tot Ion:106 Resp: 114067
Ion Ratio Lower Upper
106 100
91 231.2 114.6 343.6



#70
Styrene
Concen: 21.914 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion:104 Resp: 173347
Ion Ratio Lower Upper
104 100
78 50.8 40.9 61.3
103 45.1 36.5 54.7





#71

Bromoform

Concen: 19.669 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

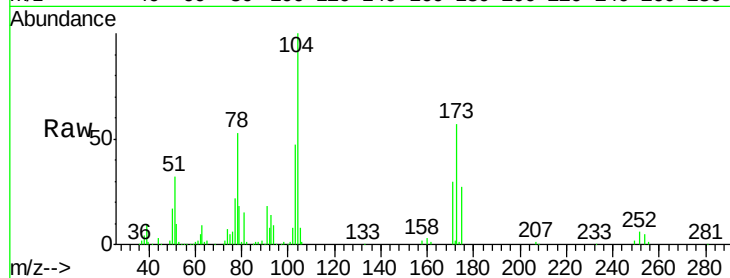
Tot Ion:173 Resp: 44834

Ion Ratio Lower Upper

173 100

175 48.1 24.8 74.3

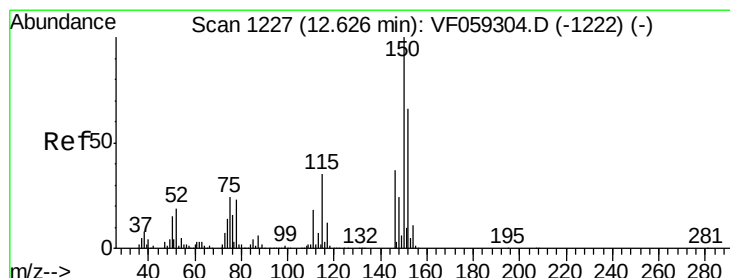
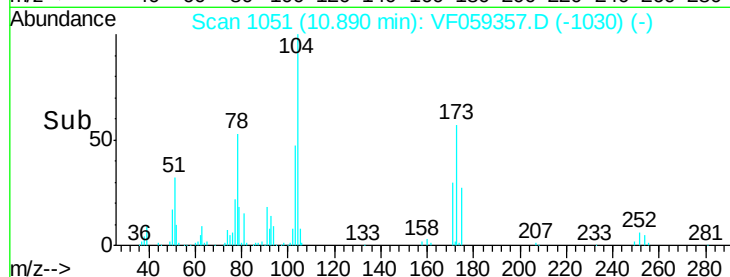
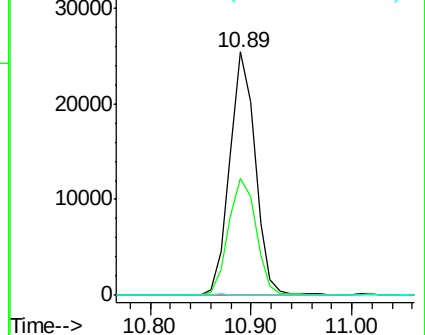
254 0.0 0.0 0.0



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# 1228

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

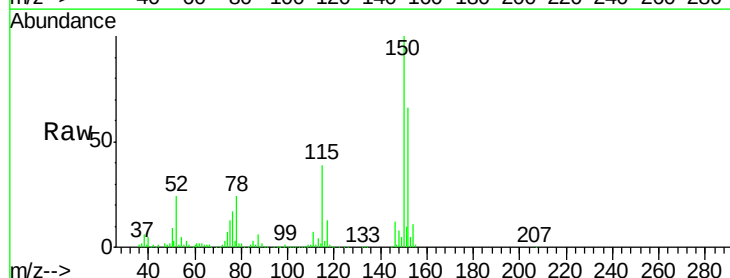
Tgt Ion:152 Resp: 257050

Ion Ratio Lower Upper

152 100

115 59.2 27.1 81.3

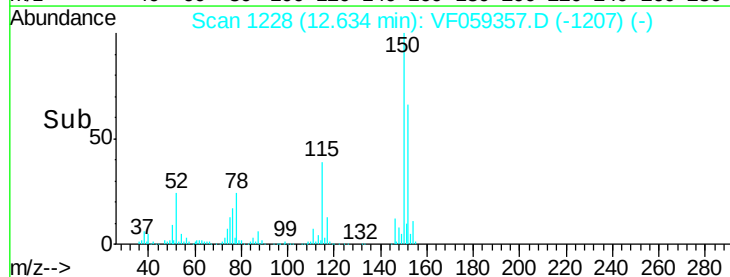
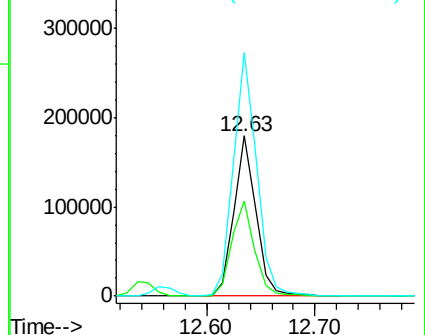
150 151.9 0.0 305.2

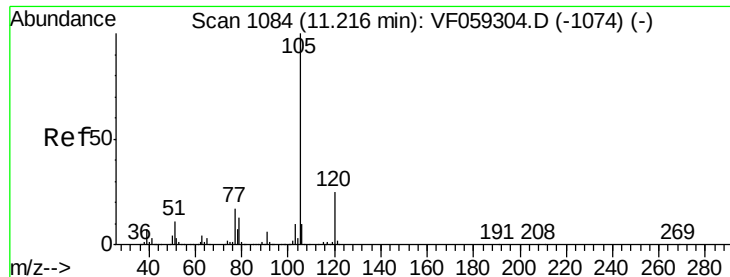


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.468 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

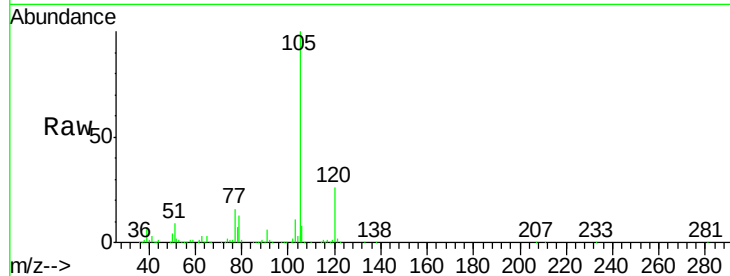
VF0628SBSD01

Tot Ion:105 Resp: 336458

Ion Ratio Lower Upper

105 100

120 25.9 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

200000

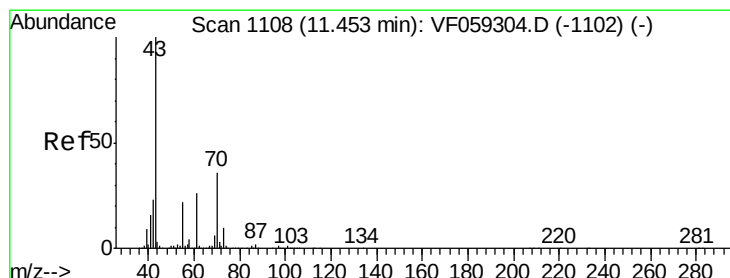
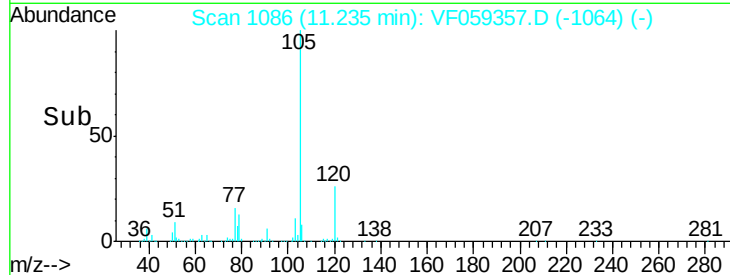
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 20.327 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Tgt Ion: 43 Resp: 110462

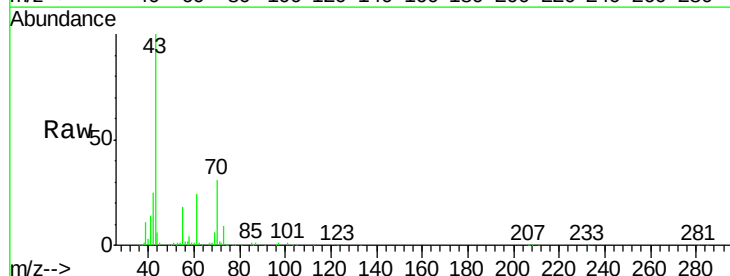
Ion Ratio Lower Upper

43 100

70 31.1 28.8 43.2

55 18.4 17.4 26.0

61 23.9 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

100000

80000

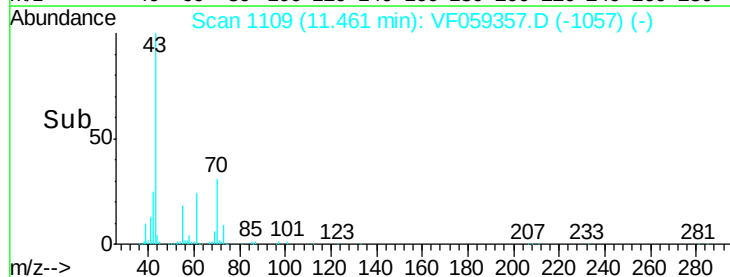
60000

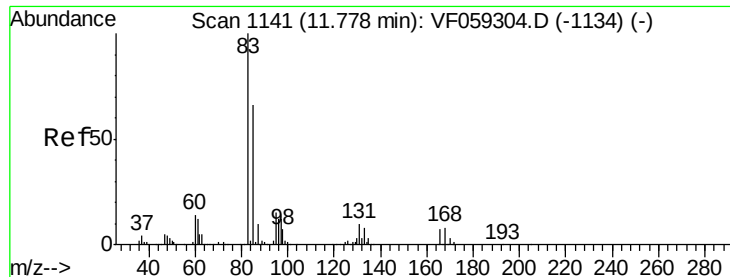
40000

20000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 20.193 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

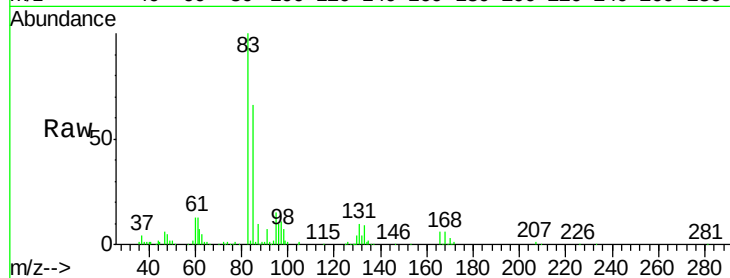
Tot Ion: 83 Resp: 76371

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

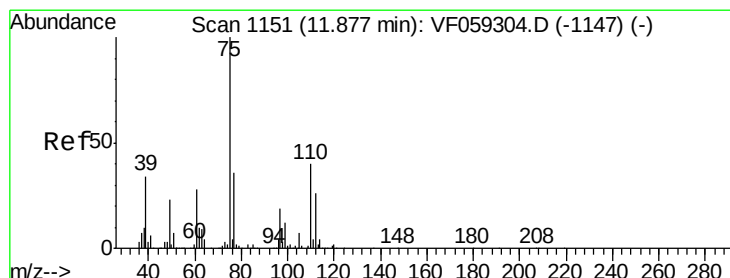
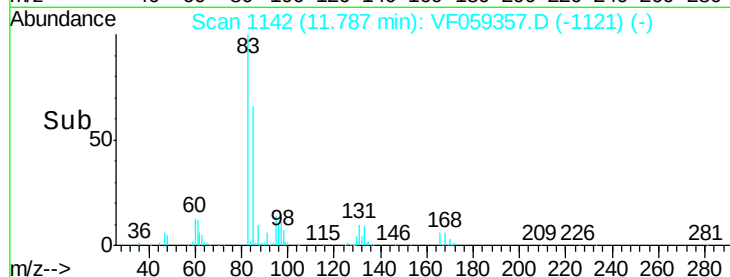
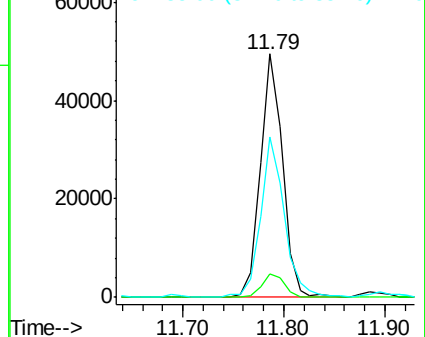
85 65.9 32.8 98.4



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: 20.480 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059357.D

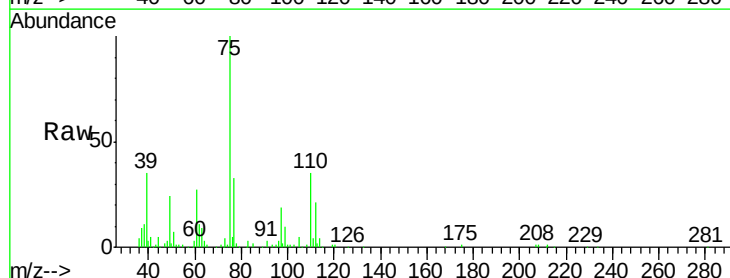
Acq: 28 Jun 2018 13:41

Tgt Ion: 75 Resp: 58427

Ion Ratio Lower Upper

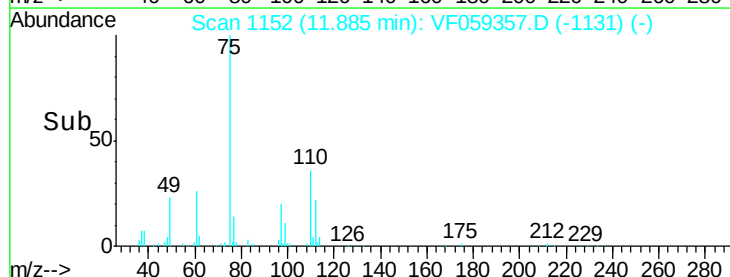
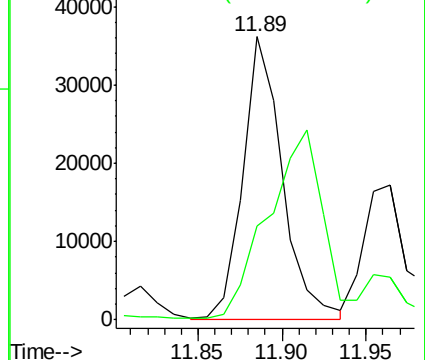
75 100

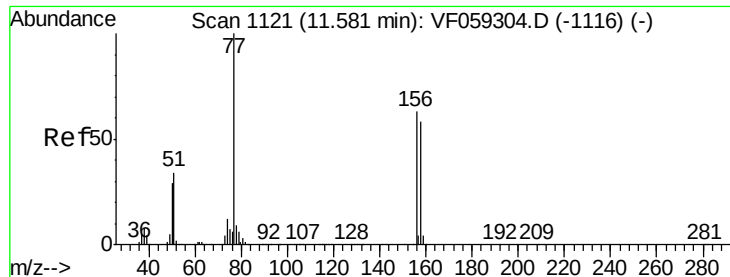
77 33.2 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.294 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

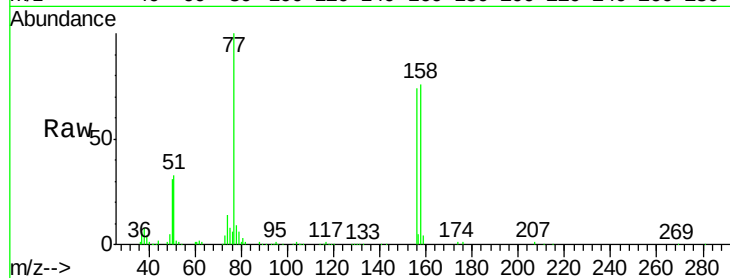
Tot Ion:156 Resp: 84317

Ion Ratio Lower Upper

156 100

77 134.3 79.7 238.9

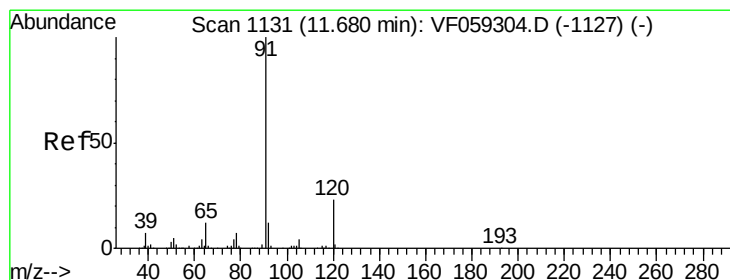
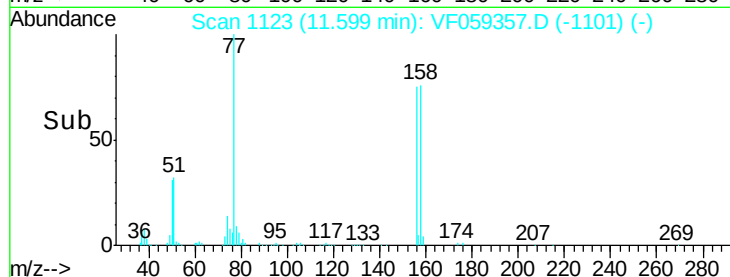
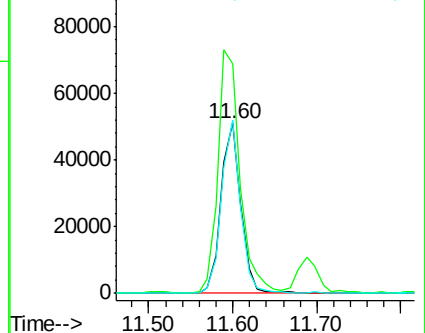
158 101.8 46.2 138.6



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: 22.073 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059357.D

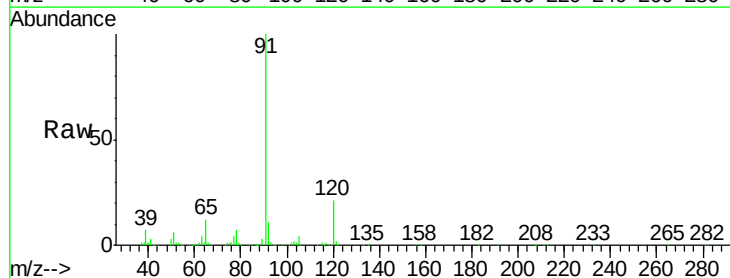
Acq: 28 Jun 2018 13:41

Tgt Ion: 91 Resp: 396973

Ion Ratio Lower Upper

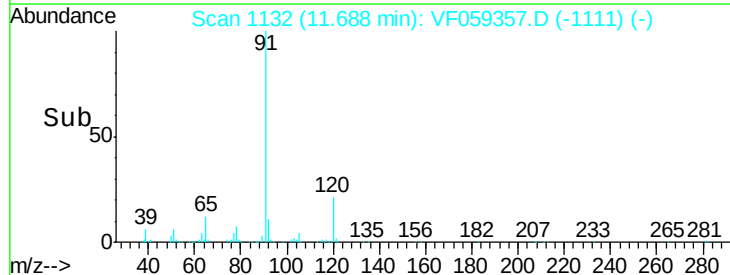
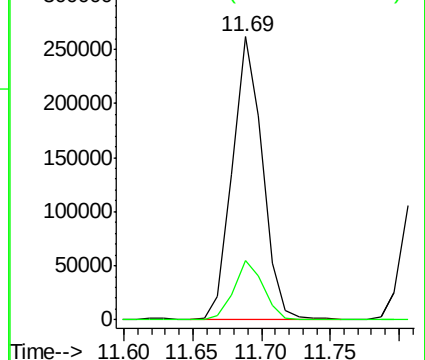
91 100

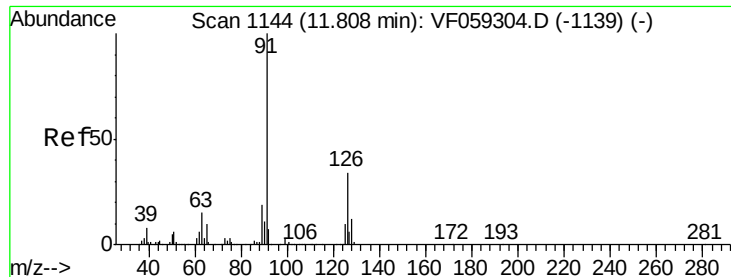
120 20.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.582 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

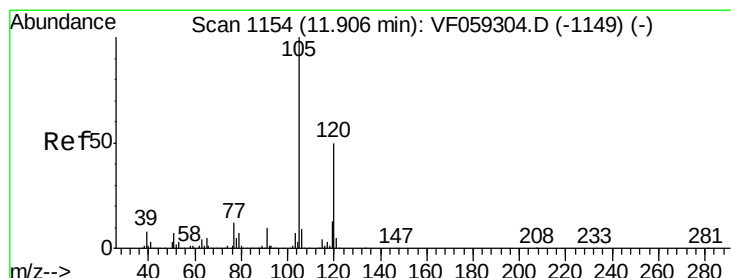
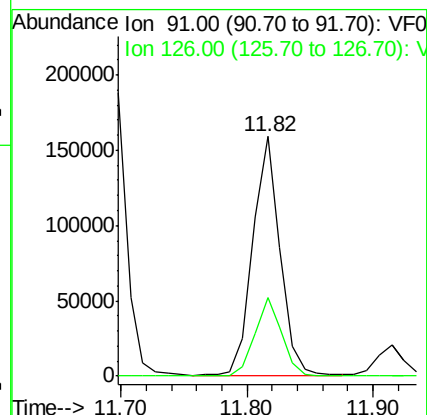
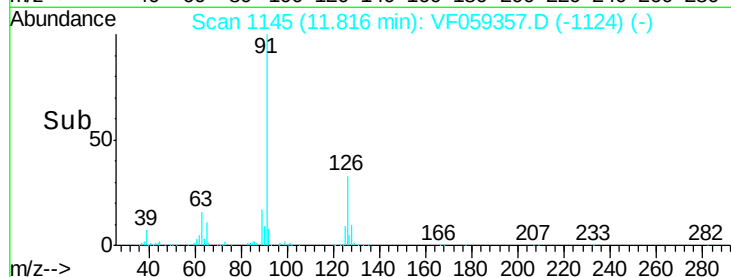
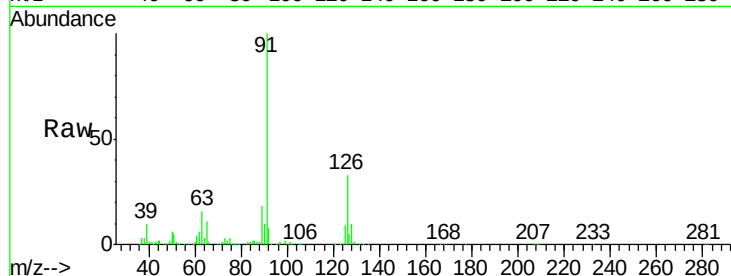
VF0628SBSD01

Tot Ion: 91 Resp: 237134

Ion Ratio Lower Upper

91 100

126 32.7 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 21.987 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059357.D

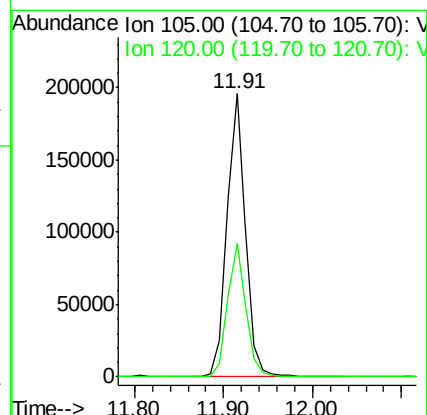
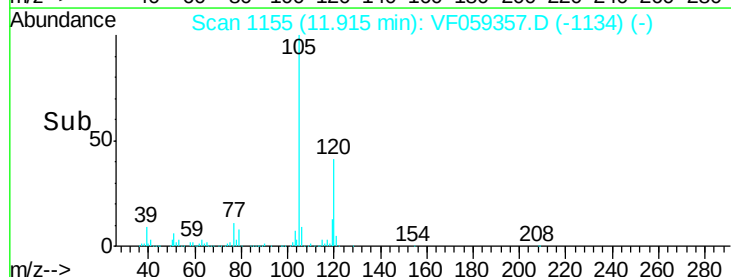
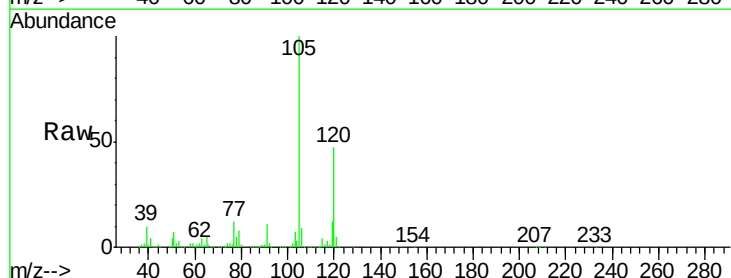
Acq: 28 Jun 2018 13:41

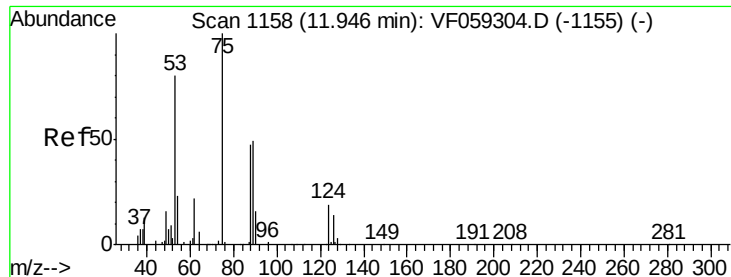
Tgt Ion: 105 Resp: 288415

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.335 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.02 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

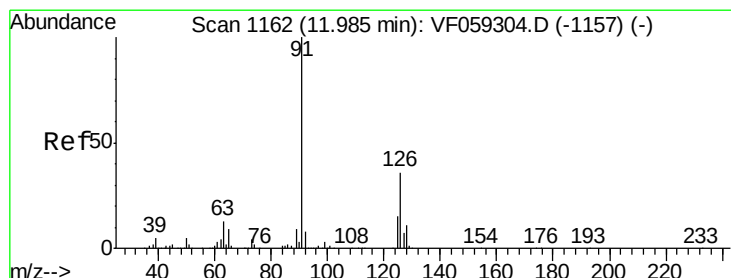
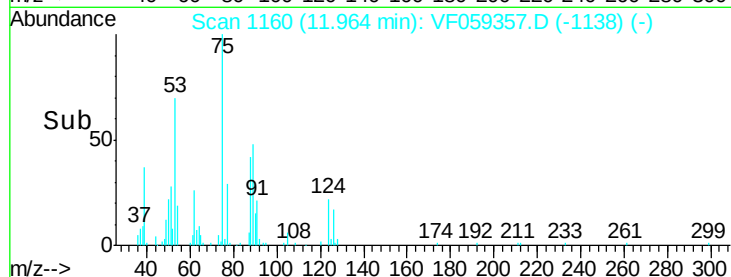
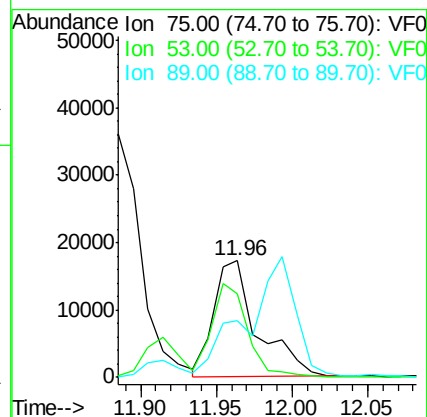
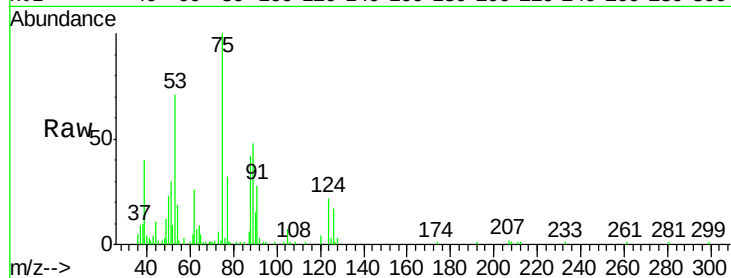
Tot Ion: 75 Resp: 34529

Ion Ratio Lower Upper

75 100

53 71.5 68.8 103.2

89 48.3 42.0 63.0



#82

4-Chlorotoluene

Concen: 21.569 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059357.D

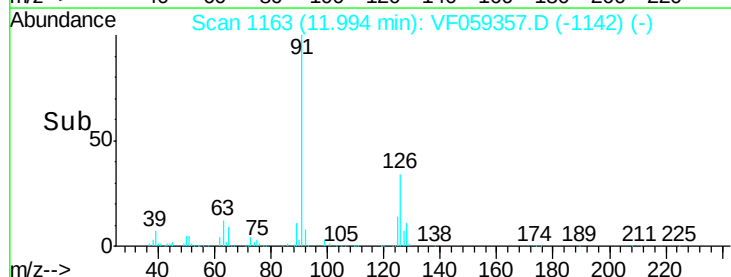
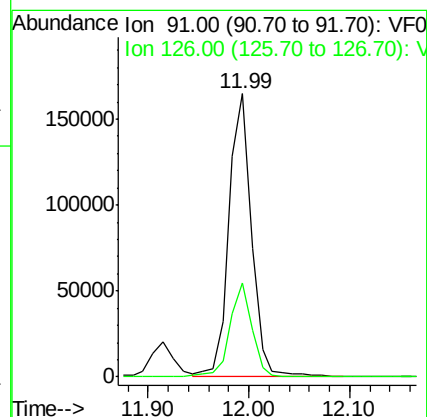
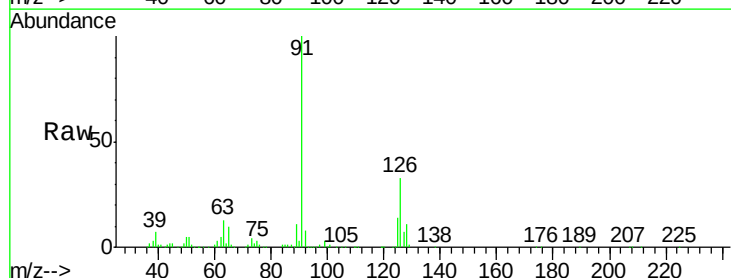
Acq: 28 Jun 2018 13:41

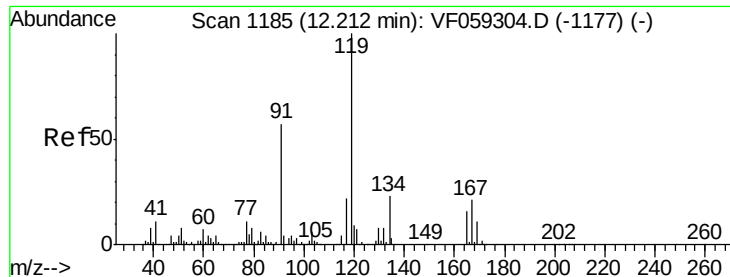
Tgt Ion: 91 Resp: 253845

Ion Ratio Lower Upper

91 100

126 33.4 18.2 54.6

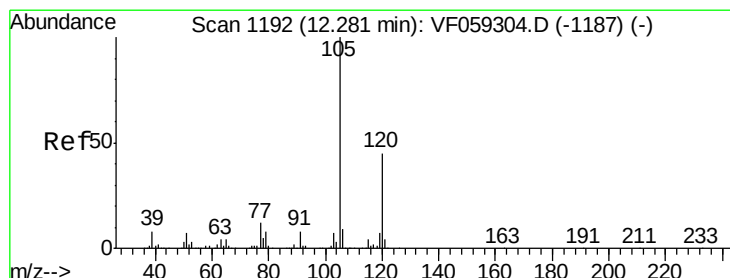
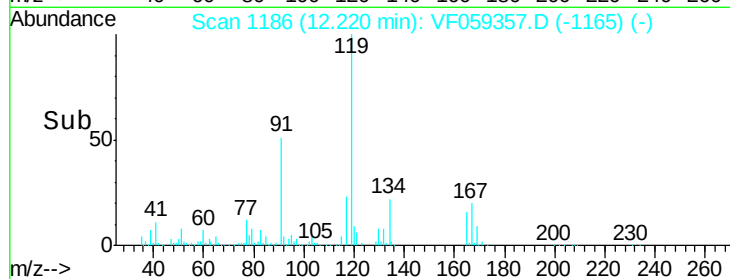
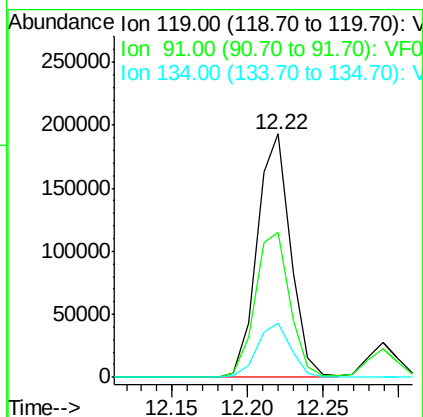
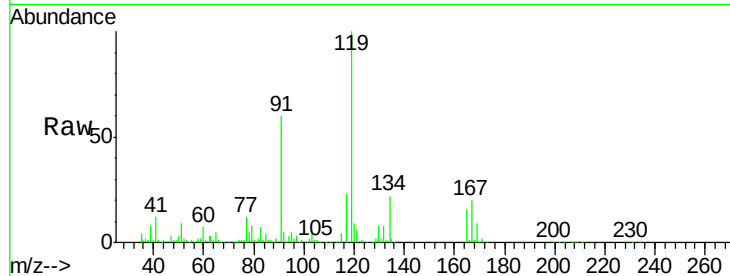




#83
 tert-Butylbenzene
 Concen: 22.734 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

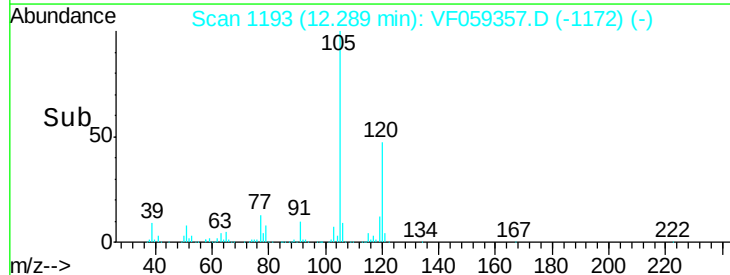
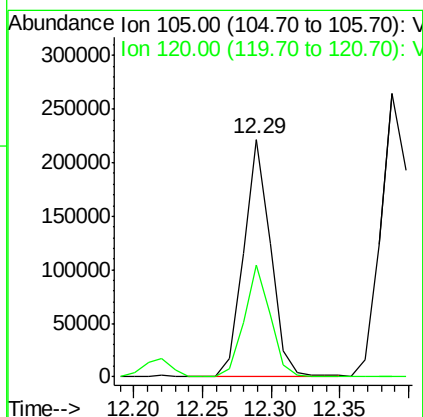
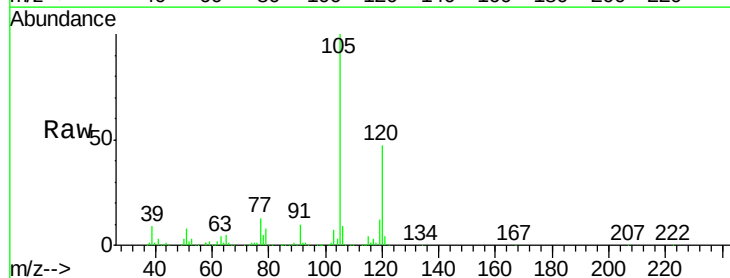
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

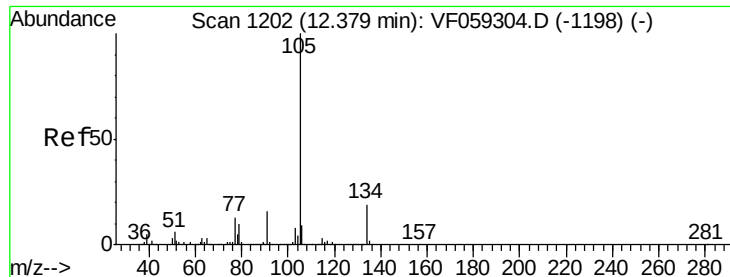
Tot Ion:119 Resp: 298270
 Ion Ratio Lower Upper
 119 100
 91 59.5 28.4 85.2
 134 22.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.919 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion:105 Resp: 302824
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.424 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

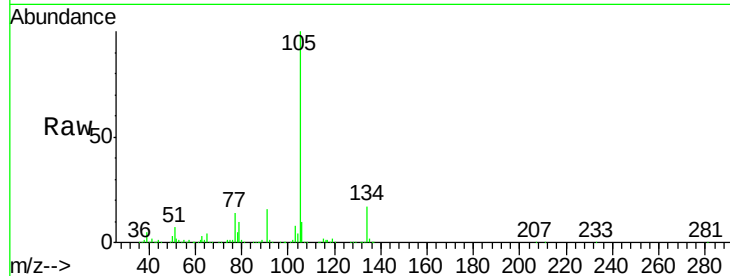
VF0628SBSD01

Tot Ion:105 Resp: 389961

Ion Ratio Lower Upper

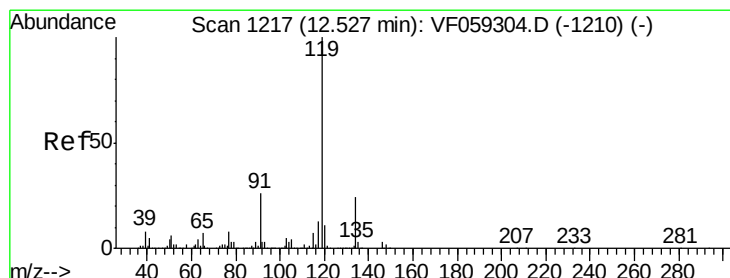
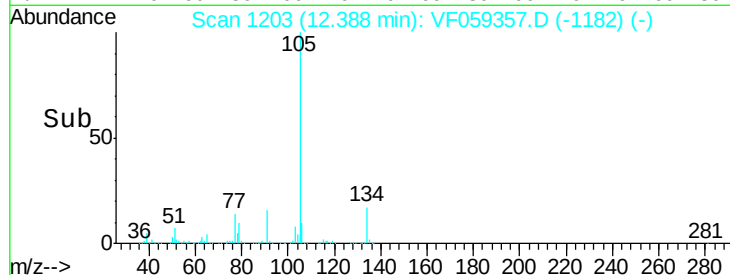
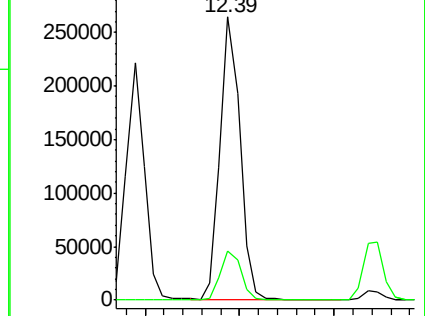
105 100

134 17.2 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.584 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

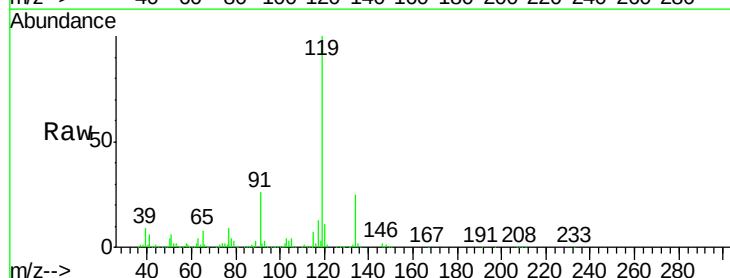
Tgt Ion:119 Resp: 329598

Ion Ratio Lower Upper

119 100

134 25.1 12.2 36.4

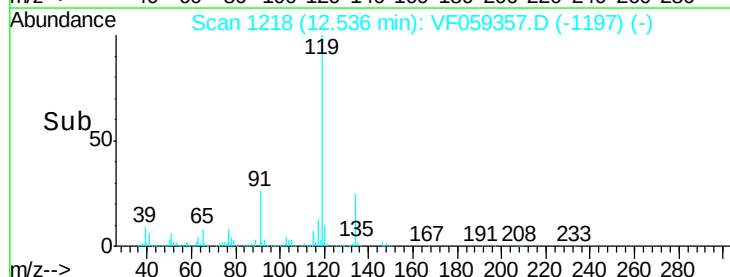
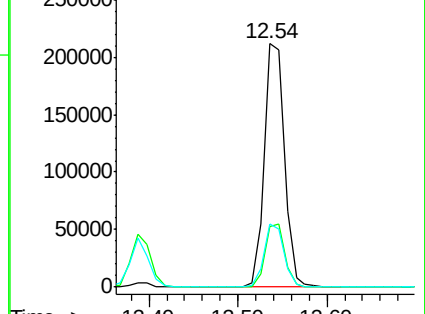
91 25.9 12.9 38.6

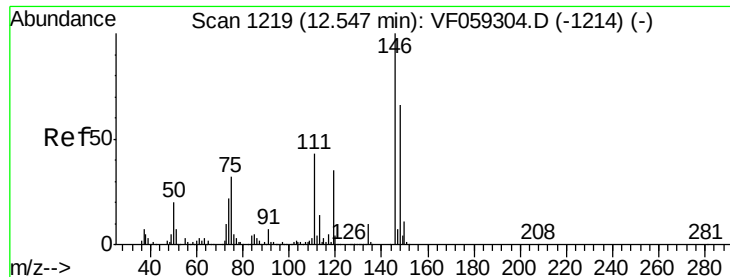


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

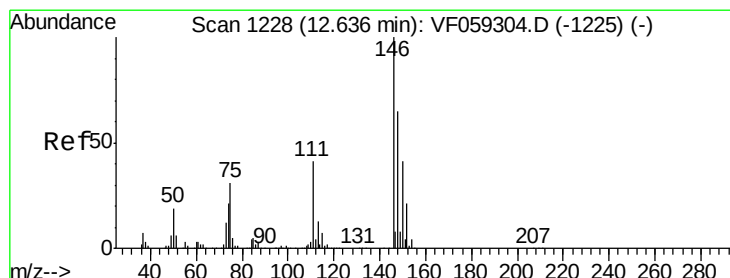
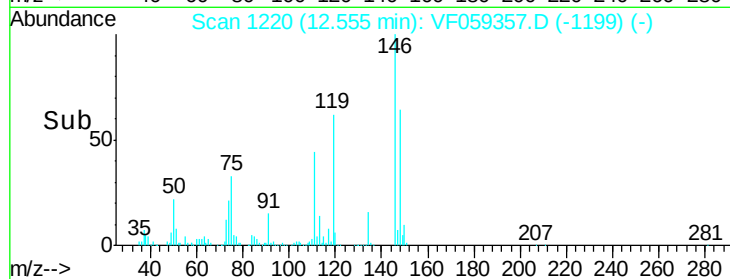
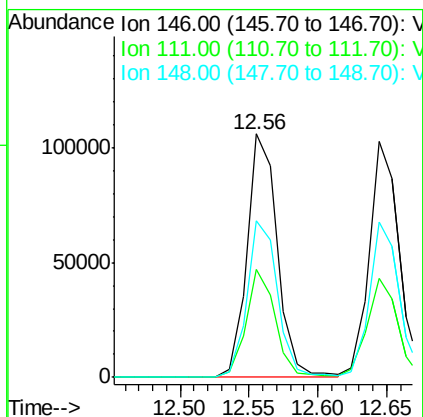
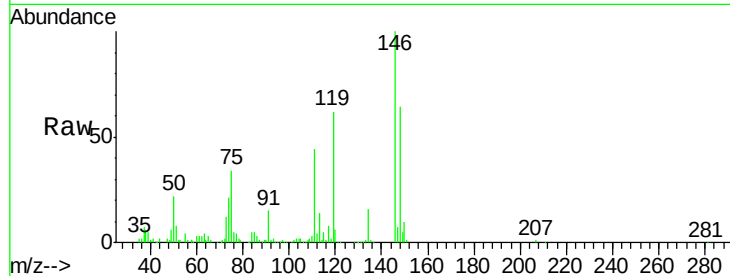




#87
 1,3-Dichlorobenzene
 Concen: 21.199 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

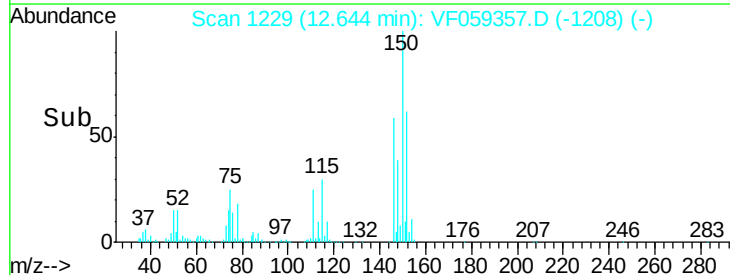
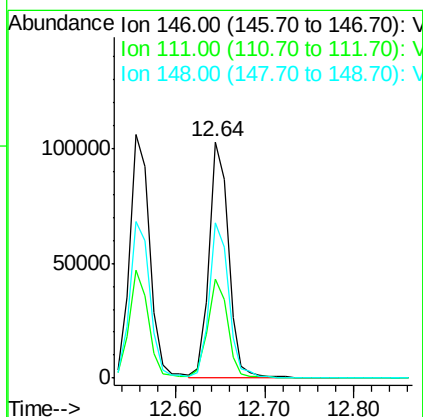
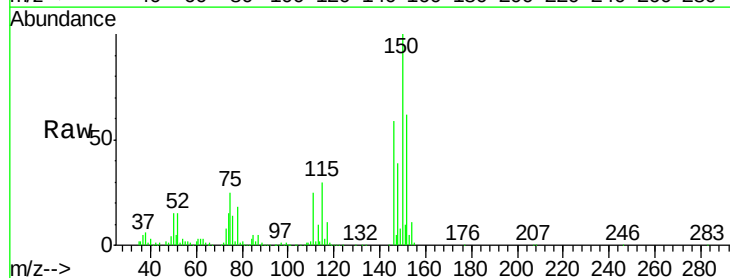
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBS01

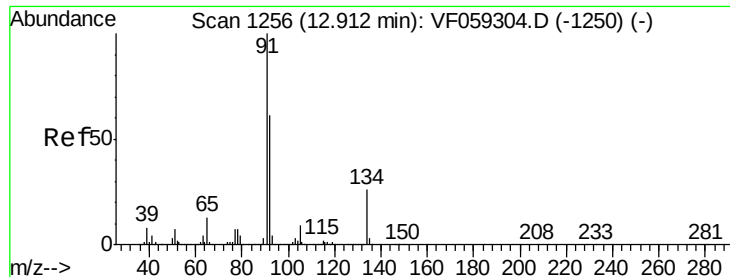
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.4	64.2
148	64.4	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.074 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	65.9	32.8	98.3





#89

n-Butylbenzene

Concen: 23.776 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBSD01

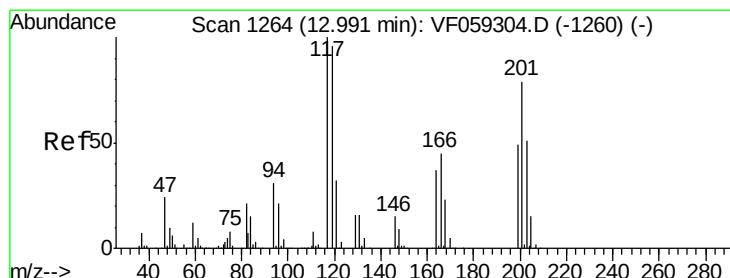
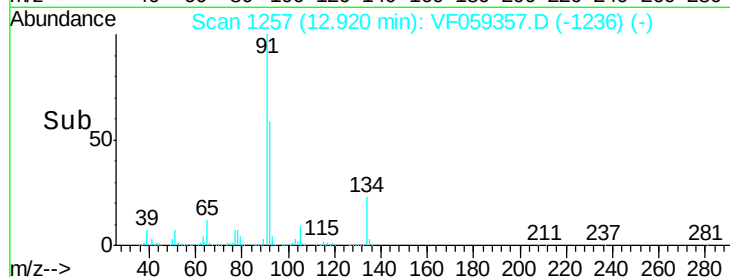
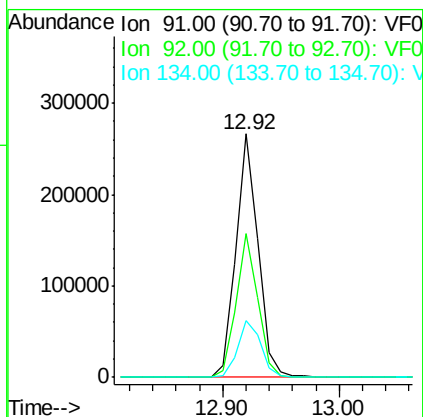
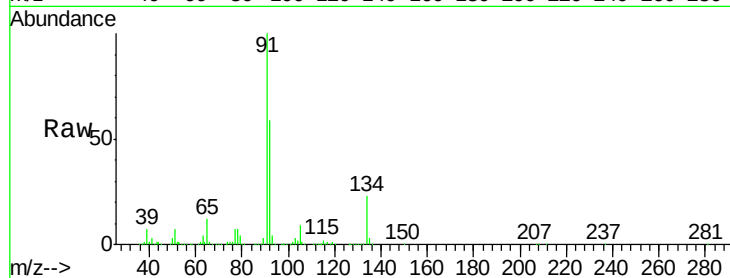
Tot Ion: 91 Resp: 352266

Ion Ratio Lower Upper

91 100

92 58.9 30.3 91.0

134 23.1 12.9 38.7



#90

Hexachloroethane

Concen: 22.781 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059357.D

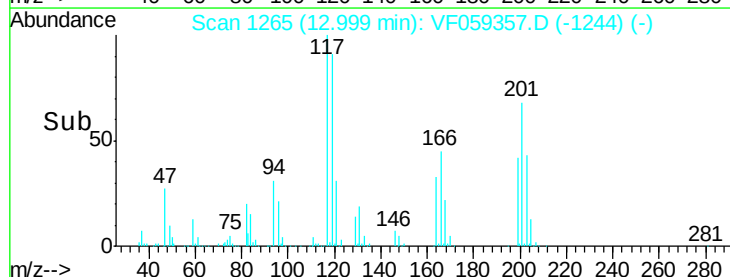
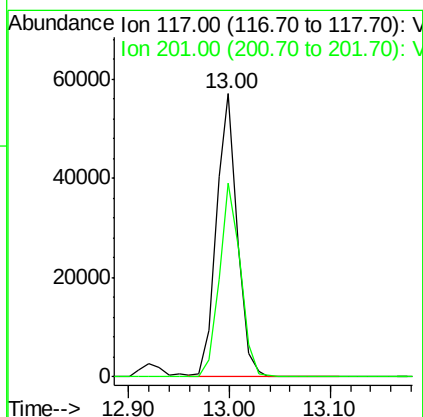
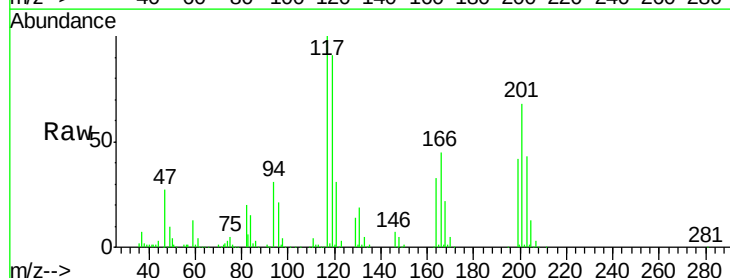
Acq: 28 Jun 2018 13:41

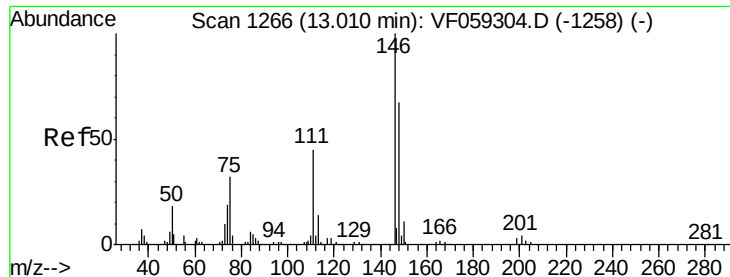
Tgt Ion: 117 Resp: 82864

Ion Ratio Lower Upper

117 100

201 68.3 39.5 118.5

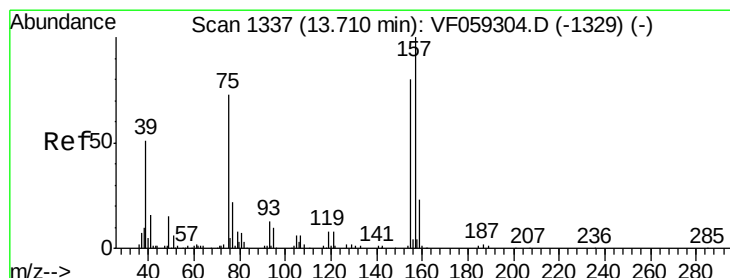
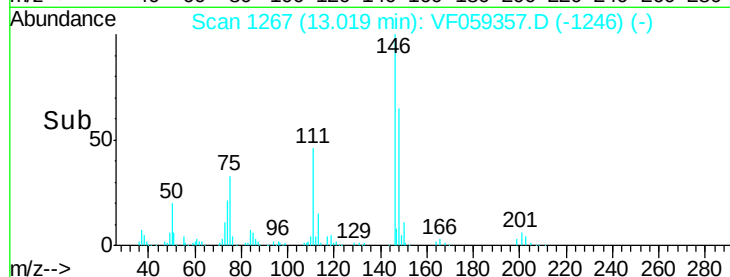
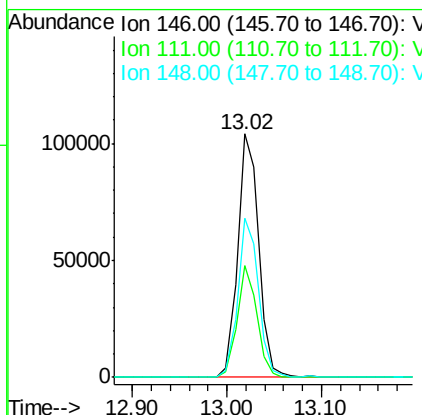
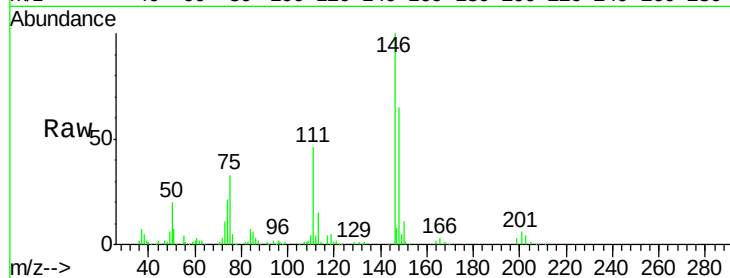




#91
 1,2-Dichlorobenzene
 Concen: 21.271 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

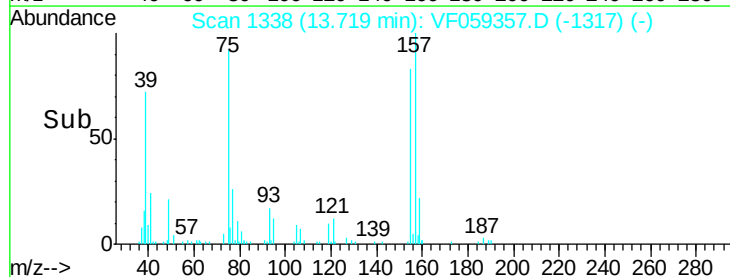
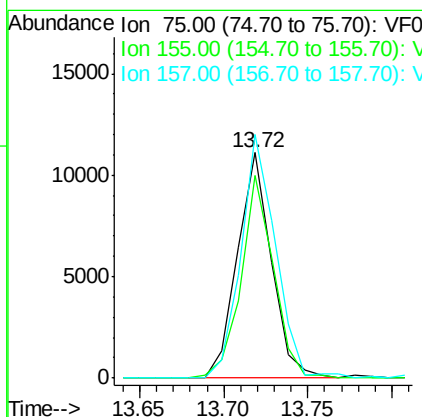
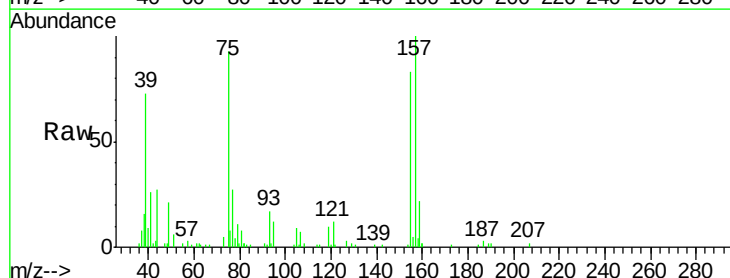
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0628SBSD01

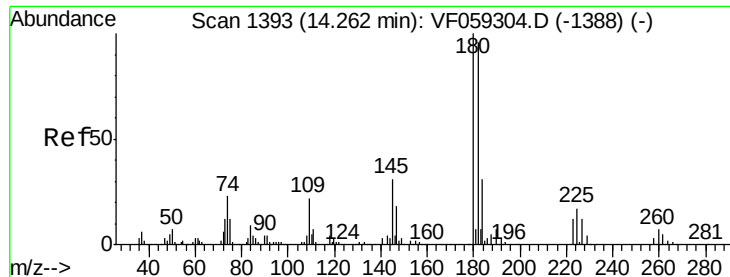
Tot Ion:146 Resp: 160436
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.7 68.0
 148 65.1 33.5 100.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.621 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059357.D
 Acq: 28 Jun 2018 13:41

Tgt Ion: 75 Resp: 15612
 Ion Ratio Lower Upper
 75 100
 155 89.7 54.6 163.8
 157 108.1 68.7 205.9





#93

1,2,4-Trichlorobenzene

Concen: 22.356 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA_F

ClientSampleId :

VF0628SBS01

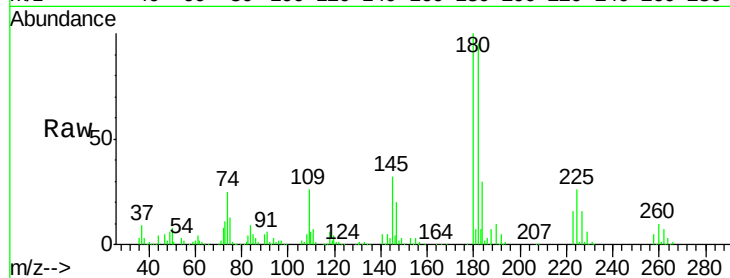
Tot Ion:180 Resp: 124683

Ion Ratio Lower Upper

180 100

182 94.6 48.1 144.3

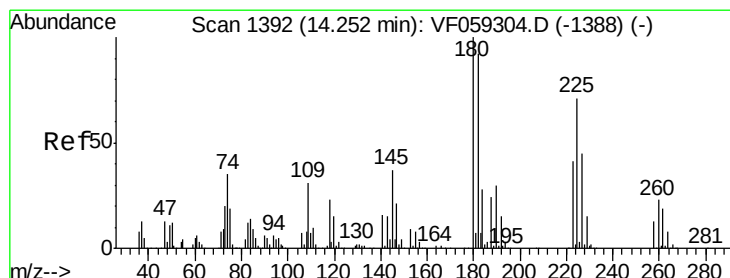
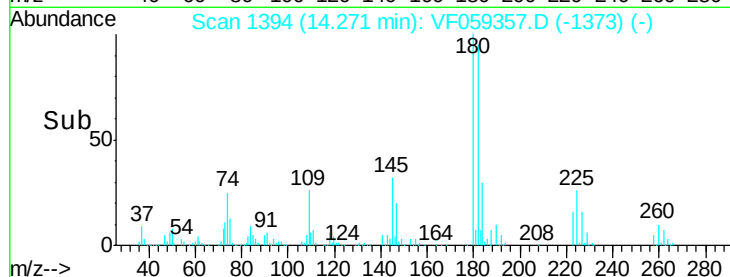
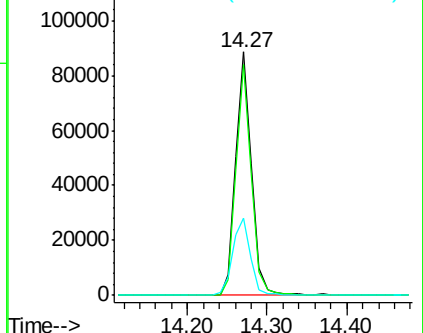
145 31.7 15.3 45.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 23.364 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VF059357.D

Acq: 28 Jun 2018 13:41

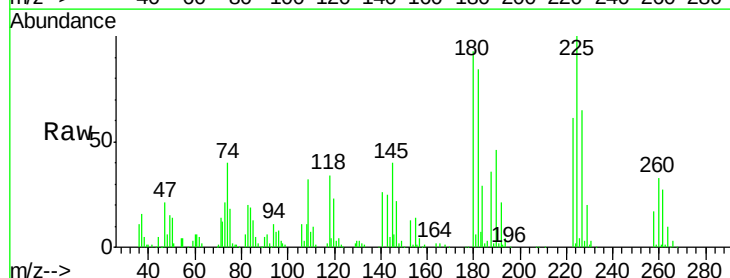
Tgt Ion:225 Resp: 72784

Ion Ratio Lower Upper

225 100

223 61.2 28.9 86.8

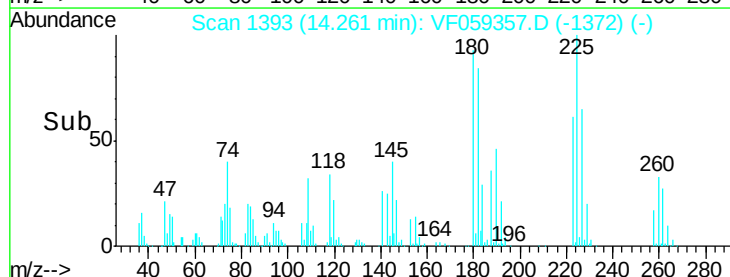
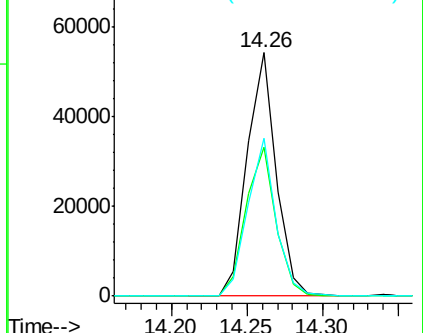
227 65.0 31.3 93.8

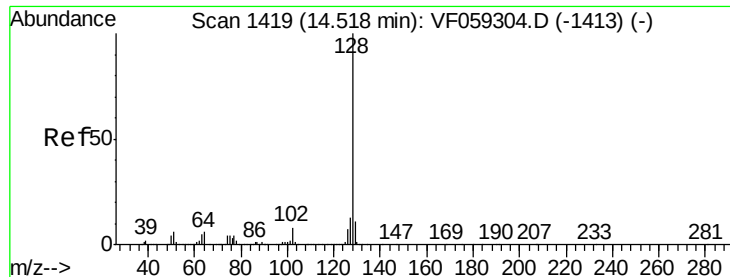


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

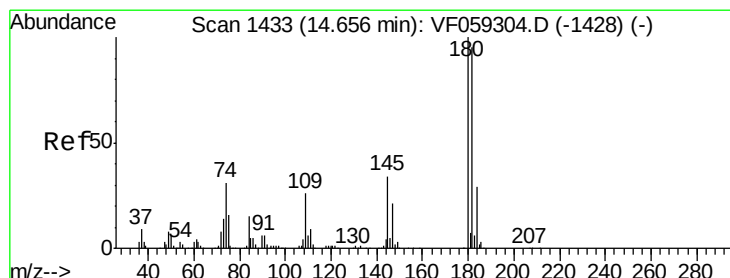
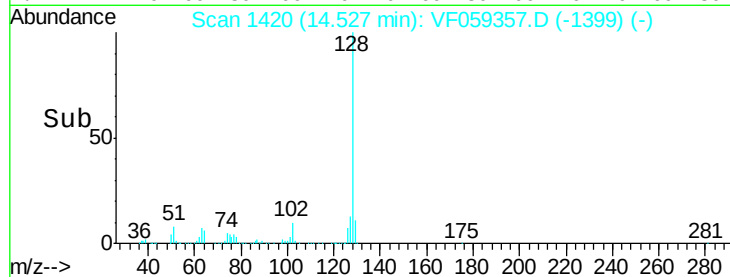
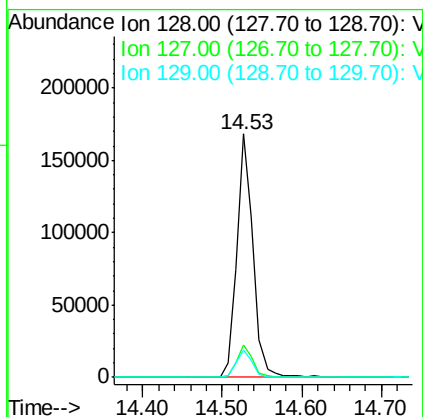
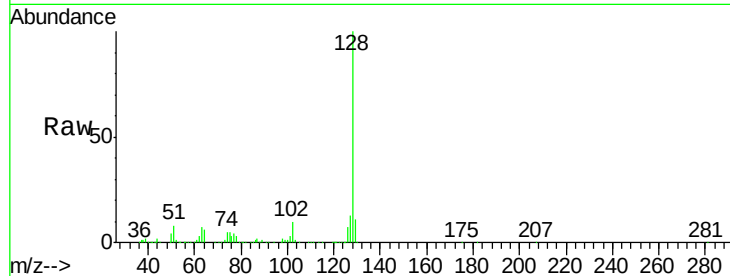




#95
Naphthalene
Concen: 20.479 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Instrument :
MSVOA_F
ClientSampleId :
VF0628SBS01

Tot Ion:128 Resp: 238965
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.824 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VF059357.D
Acq: 28 Jun 2018 13:41

Tgt Ion:180 Resp: 115304
Ion Ratio Lower Upper
180 100
182 95.8 47.5 142.5
145 33.1 17.0 50.9

