

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059928.D
 Acq On : 8 Aug 2018 13:47
 Operator : VA/AP
 Sample : VF0808SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Quant Time: Aug 09 05:20:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	99432	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	148914	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.94	117	141383	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.65	152	97194	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	101128	56.41	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	4.32	113	78240	52.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	7.73	98	165816	52.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.52	95	96981	54.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	36288	21.36	ug/l	91
3) Chloromethane	1.09	50	17672	22.49	ug/l	91
4) Vinyl Chloride	1.15	62	16391	20.36	ug/l	95
5) Bromomethane	1.35	94	15959	21.00	ug/l	97
6) Chloroethane	1.43	64	11838	23.41	ug/l	90
7) Trichlorofluoromethane	1.54	101	49323	22.39	ug/l	89
8) Diethyl Ether	1.70	74	7631	21.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	26912	22.13	ug/l	95
10) Methyl Iodide	1.97	142	41136	22.02	ug/l	99
11) Tert butyl alcohol	2.68	59	10464	144.72	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	19205	21.62	ug/l	93
13) Acrolein	2.10	56	3226	74.45	ug/l	96
14) Allyl chloride	2.20	41	28966	19.56	ug/l	100
15) Acrylonitrile	3.08	53	12539	94.64	ug/l #	73
16) Acetone	2.35	43	35281	106.61	ug/l	96
17) Carbon Disulfide	1.89	76	51438	21.69	ug/l	96
18) Methyl Acetate	2.54	43	21509	38.53	ug/l	92
19) Methyl tert-butyl Ether	2.55	73	58140	23.12	ug/l	95
20) Methylene Chloride	2.29	84	13702	12.08	ug/l	91
21) trans-1,2-Dichloroethene	2.42	96	19848	22.50	ug/l	97
22) Diisopropyl ether	2.94	45	62717	22.02	ug/l #	95
23) Vinyl Acetate	3.35	43	156906	113.78	ug/l #	95
24) 1,1-Dichloroethane	3.02	63	45654	22.01	ug/l	97
25) 2-Butanone	4.52	43	43236	120.15	ug/l	99
26) 2,2-Dichloropropane	3.78	77	23227	19.23	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	20449	20.61	ug/l	93
28) Bromochloromethane	3.90	49	16488	22.51	ug/l	83
29) Tetrahydrofuran	4.28	42	16256	122.72	ug/l	95
30) Chloroform	4.06	83	60676	21.62	ug/l	94
31) Cyclohexane	3.88	56	23006	22.41	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	49157	21.89	ug/l	98
36) 1,1-Dichloropropene	4.47	75	32862	19.08	ug/l	99
37) Ethyl Acetate	4.32	43	18112	24.49	ug/l #	47
38) Carbon Tetrachloride	4.19	117	57593	23.36	ug/l	95

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Instrument :
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Quant Time: Aug 09 05:20:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	25994	20.12	ug/l	97
40) Benzene	4.83	78	65121	20.22	ug/l	97
41) Methacrylonitrile	4.94	41	7905	20.25	ug/l	88
42) 1,2-Dichloroethane	5.13	62	49287	20.67	ug/l	98
43) Isopropyl Acetate	7.13	43	16045	21.07	ug/l #	99
44) Trichloroethene	5.70	130	24022	20.94	ug/l	89
45) 1,2-Dichloropropane	6.42	63	16111	20.38	ug/l	94
46) Dibromomethane	6.27	93	15951	20.00	ug/l	97
47) Bromodichloromethane	6.56	83	45721	20.96	ug/l	93
48) Methyl methacrylate	6.89	41	13265	22.39	ug/l	92
49) 1,4-Dioxane	6.90	88	2075	528.73	ug/l #	74
51) 4-Methyl-2-Pentanone	8.43	43	89902	115.46	ug/l	95
52) Toluene	7.80	92	46434	21.34	ug/l	91
53) t-1,3-Dichloropropene	8.45	75	36682	22.11	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	34446	20.11	ug/l	91
55) 1,1,2-Trichloroethane	8.65	97	16359	20.89	ug/l	96
56) Ethyl methacrylate	8.78	69	16738	21.54	ug/l	91
57) 1,3-Dichloropropane	9.02	76	30304	22.54	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.80	63	11232	108.41	ug/l	100
59) 2-Hexanone	9.65	43	63733	115.87	ug/l	99
60) Dibromochloromethane	8.88	129	30873	21.01	ug/l	94
61) 1,2-Dibromoethane	9.16	107	21332	22.36	ug/l	86
64) Tetrachloroethene	8.33	164	28712	23.54	ug/l	95
65) Chlorobenzene	9.95	112	62030	21.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	30890	21.64	ug/l	97
67) Ethyl Benzene	10.06	91	115365	23.08	ug/l	95
68) m/p-Xylenes	10.29	106	75941	43.94	ug/l	100
69) o-Xylene	10.84	106	41651	22.75	ug/l	98
70) Styrene	10.92	104	65113	23.83	ug/l	99
71) Bromoform	10.91	173	20008	22.87	ug/l	90
73) Isopropylbenzene	11.25	105	132696	21.92	ug/l	96
74) N-amyl acetate	11.47	43	27596	20.29	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	24963	21.96	ug/l	88
76) 1,2,3-Trichloropropane	11.90	75	20104	20.59	ug/l	87
77) Bromobenzene	11.61	156	36473	22.15	ug/l	99
78) n-propylbenzene	11.70	91	159540	22.32	ug/l	99
79) 2-Chlorotoluene	11.83	91	100217	22.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.93	105	125735	22.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.98	75	10596	30.22	ug/l	86
82) 4-Chlorotoluene	12.01	91	107597	21.91	ug/l	99
83) tert-Butylbenzene	12.23	119	124730	22.79	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	130472	22.57	ug/l	98
85) sec-Butylbenzene	12.40	105	159494	21.94	ug/l	98
86) p-Isopropyltoluene	12.55	119	128171	20.97	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	69676	22.34	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	68328	22.31	ug/l	99
89) n-Butylbenzene	12.93	91	129732	22.28	ug/l	99
90) Hexachloroethane	13.01	117	35129	20.83	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	67817	22.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6643	23.18	ug/l	97

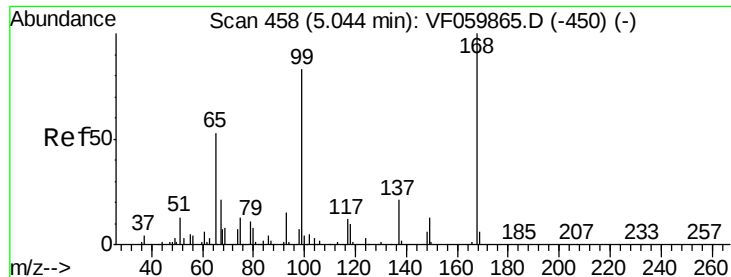
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
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Quant Time: Aug 09 05:20:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	52872	23.20	ug/l	96
94) Hexachlorobutadiene	14.27	225	35457	22.02	ug/l	96
95) Naphthalene	14.54	128	94386	23.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.69	180	52237	23.21	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

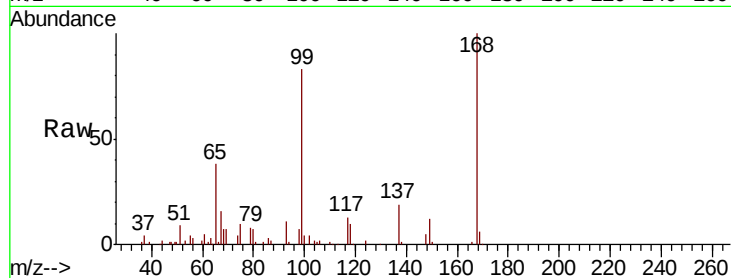
VF0808SBSD01

Tot Ion:168 Resp: 99432

Ion Ratio Lower Upper

168 100

99 82.9 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

40000

30000

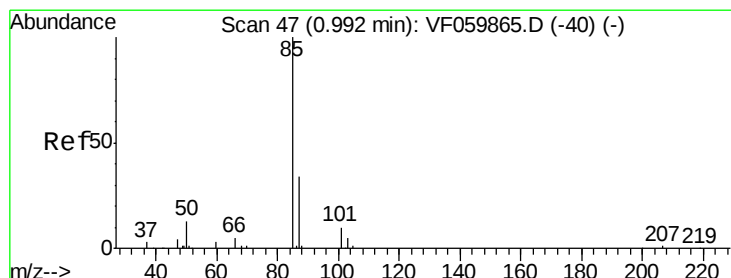
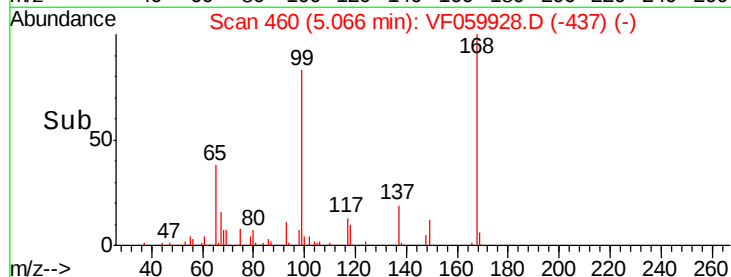
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.36 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059928.D

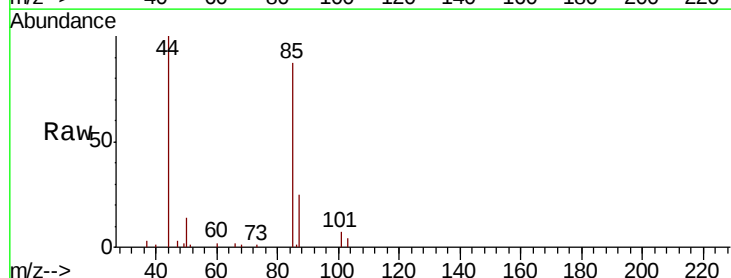
Acq: 8 Aug 2018 13:47

Tgt Ion: 85 Resp: 36288

Ion Ratio Lower Upper

85 100

87 28.9 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

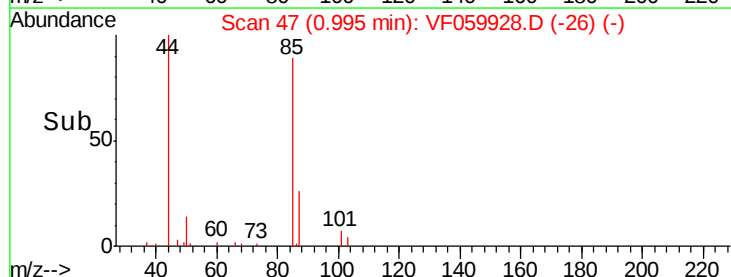
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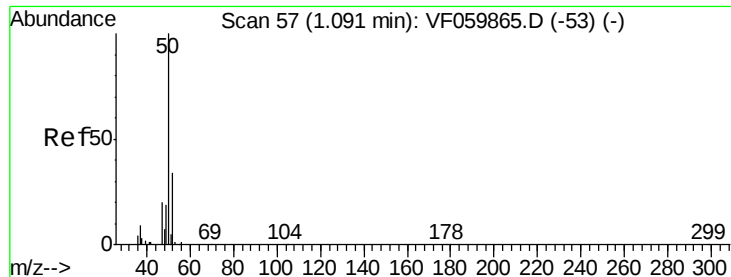
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.49 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

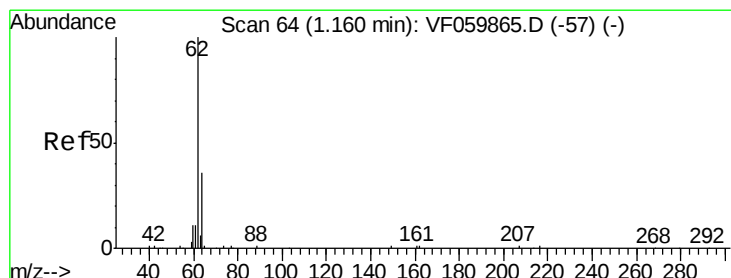
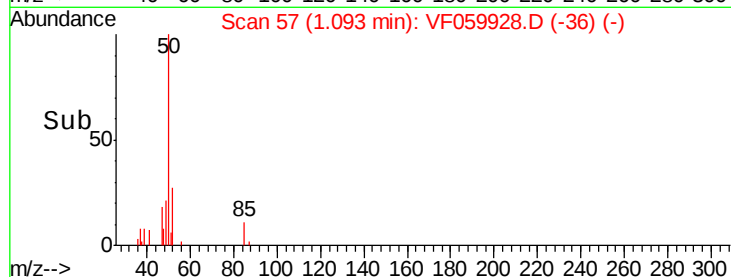
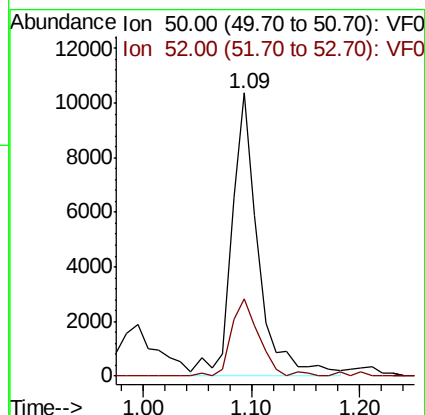
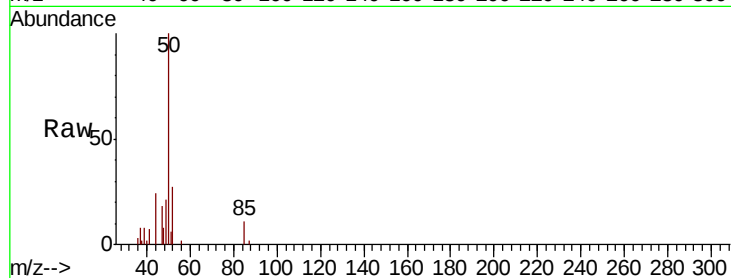
VF0808SBSD01

Tot Ion: 50 Resp: 17672

Ion Ratio Lower Upper

50 100

52 27.3 25.8 38.8



#4

Vinyl Chloride

Concen: 20.36 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059928.D

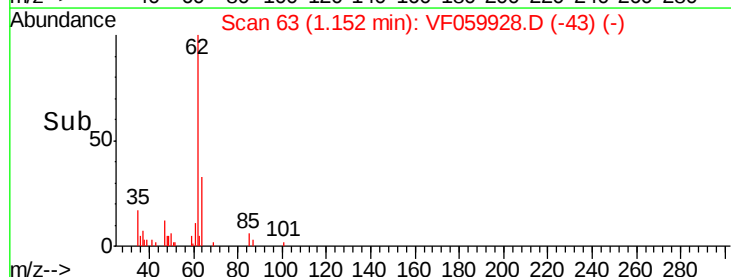
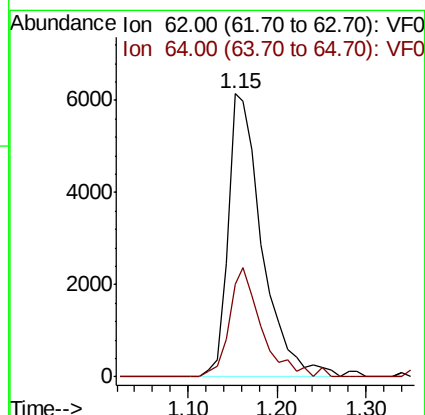
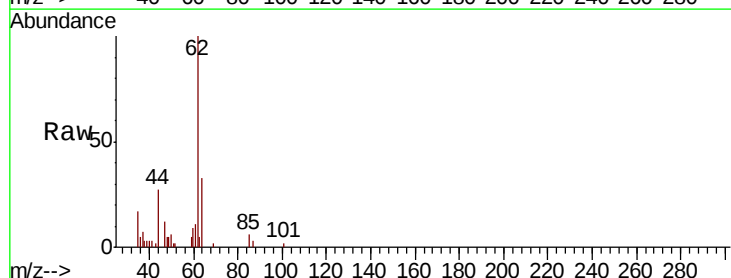
Acq: 8 Aug 2018 13:47

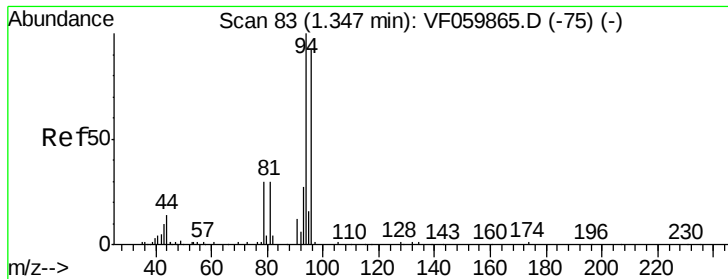
Tgt Ion: 62 Resp: 16391

Ion Ratio Lower Upper

62 100

64 32.6 28.5 42.7





#5

Bromomethane

Concen: 21.00 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

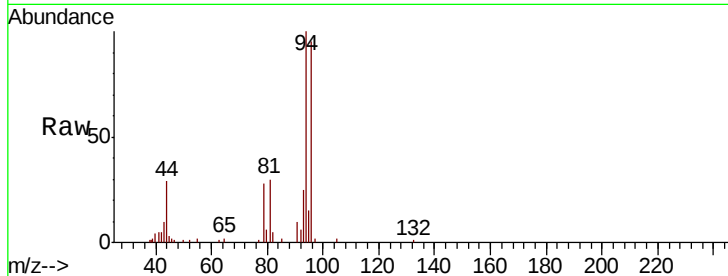
VF0808SBSD01

Tot Ion: 94 Resp: 15959

Ion Ratio Lower Upper

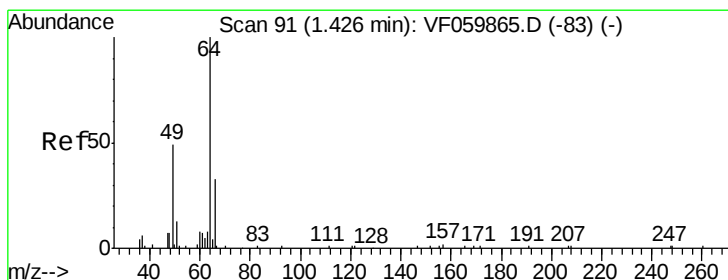
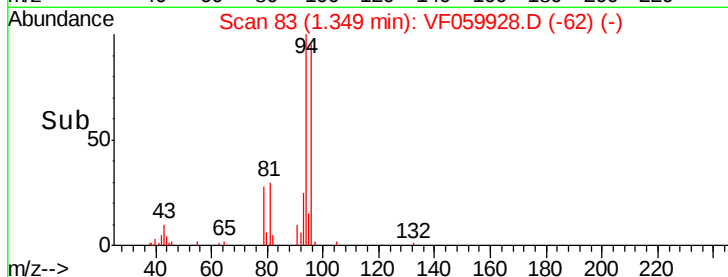
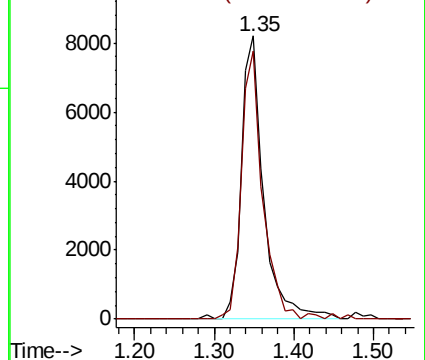
94 100

96 94.8 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.41 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059928.D

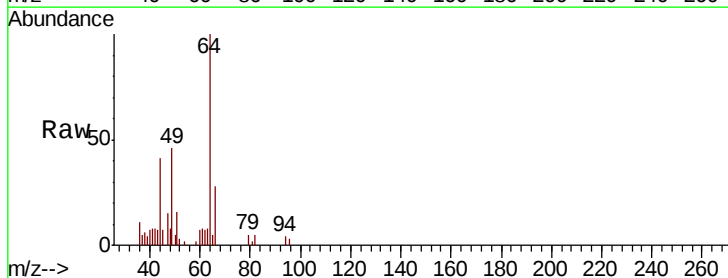
Acq: 8 Aug 2018 13:47

Tgt Ion: 64 Resp: 11838

Ion Ratio Lower Upper

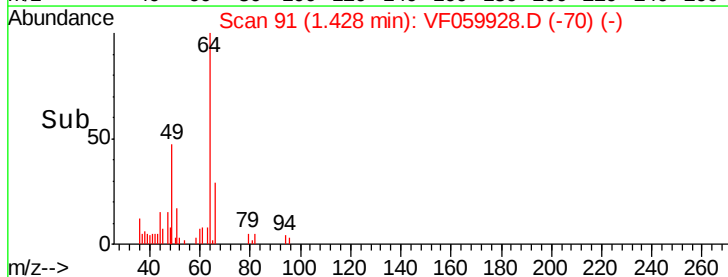
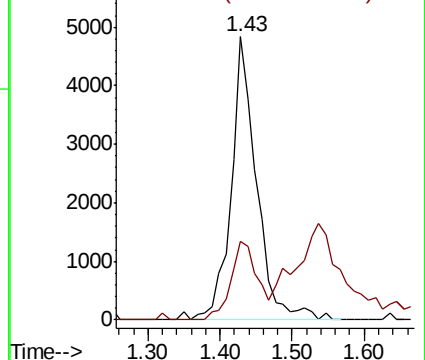
64 100

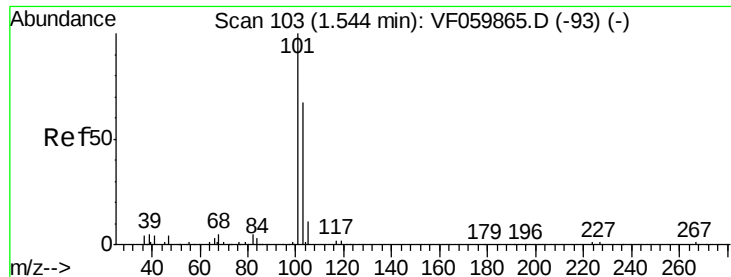
66 27.9 26.9 40.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



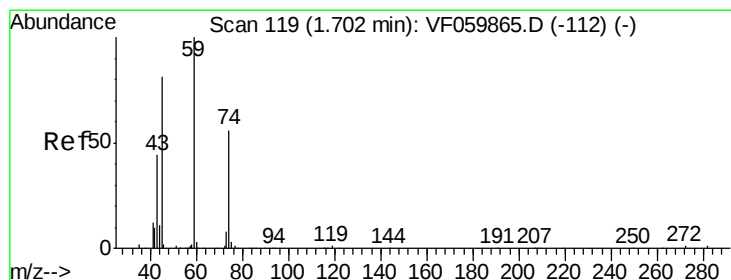
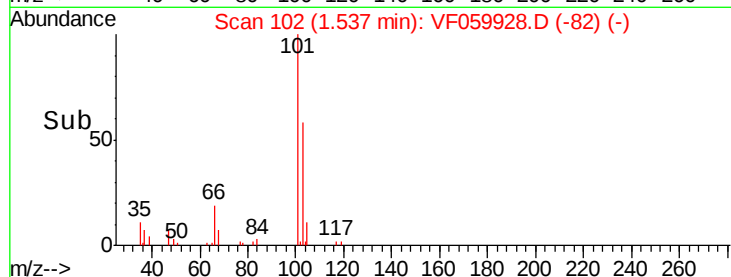
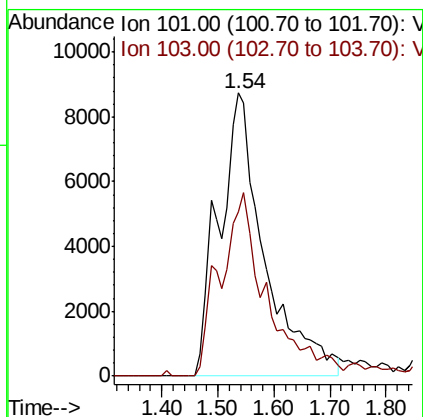
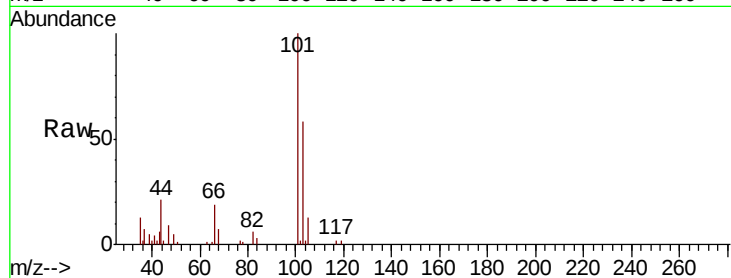


#7

Trichlorofluoromethane
 Concen: 22.39 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

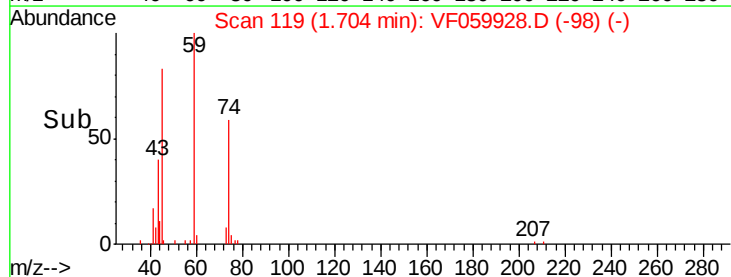
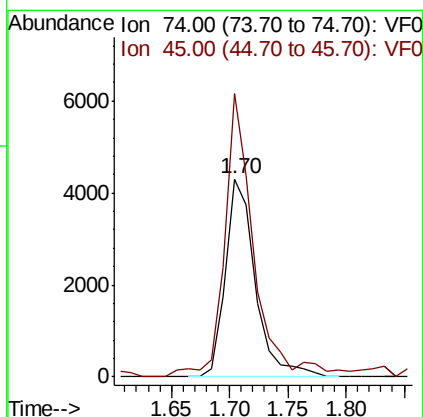
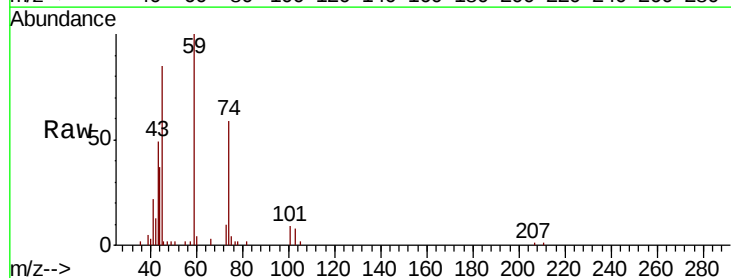
Tot Ion:101 Resp: 49323
 Ion Ratio Lower Upper
 101 100
 103 58.2 53.6 80.4

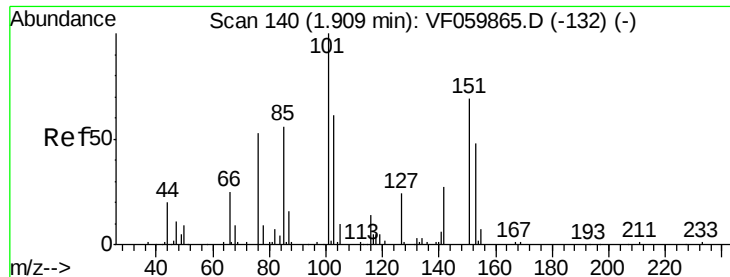


#8

Diethyl Ether
 Concen: 21.82 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion: 74 Resp: 7631
 Ion Ratio Lower Upper
 74 100
 45 142.8 73.6 220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.13 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

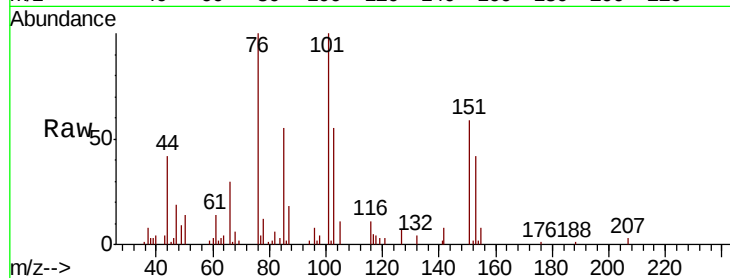
Tot Ion:101 Resp: 26912

Ion Ratio Lower Upper

101 100

85 55.6 44.5 66.7

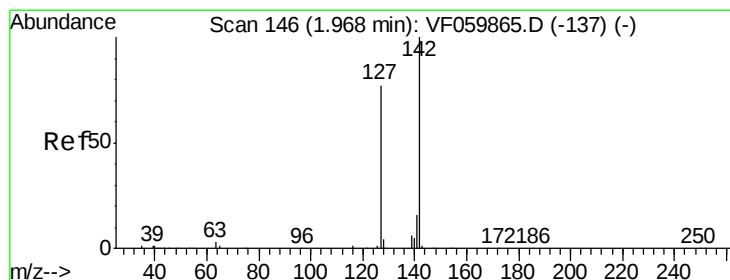
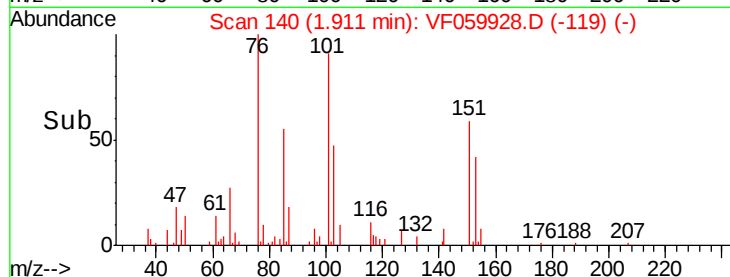
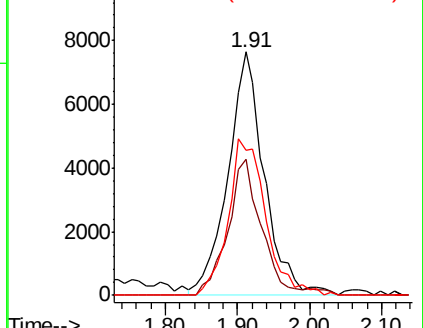
151 59.5 53.8 80.8



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: 22.02 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

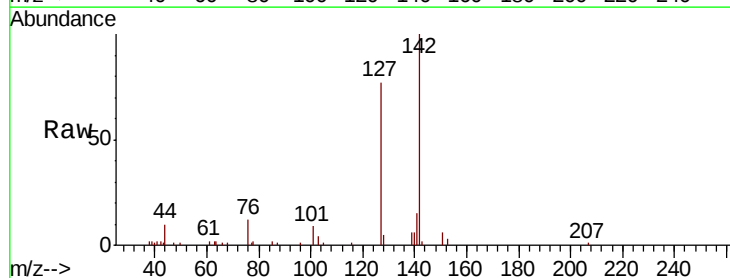
Tgt Ion:142 Resp: 41136

Ion Ratio Lower Upper

142 100

127 76.6 61.5 92.3

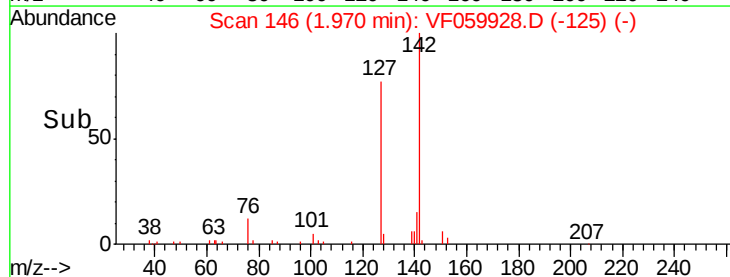
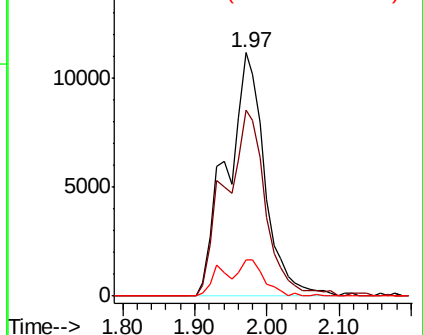
141 14.8 13.0 19.4

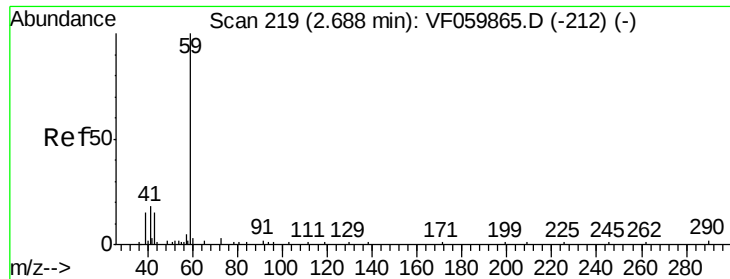


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

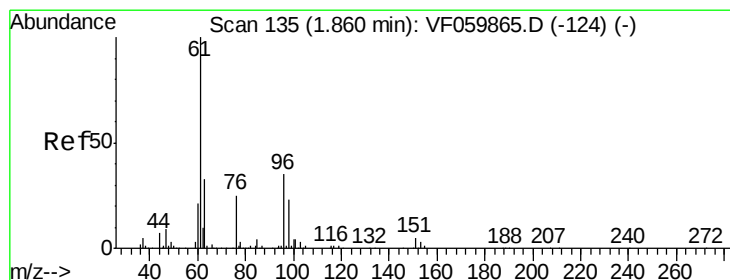
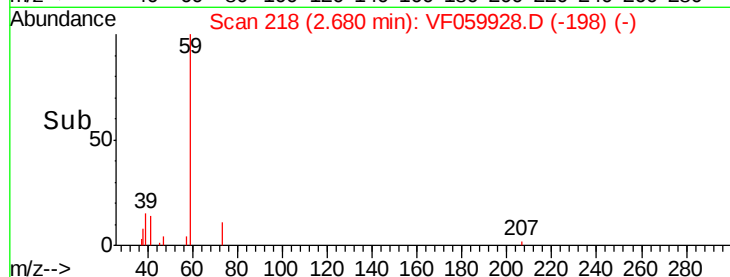
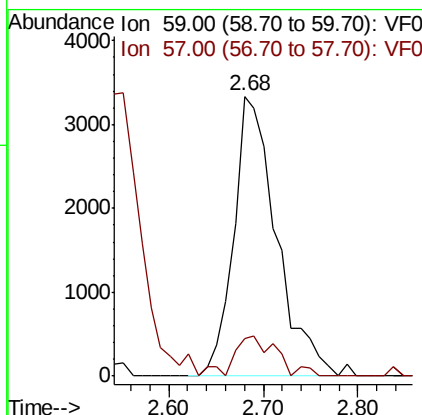
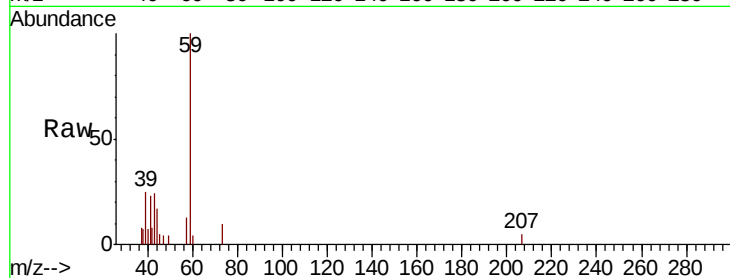




#11
Tert butyl alcohol
Concen: 144.72 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

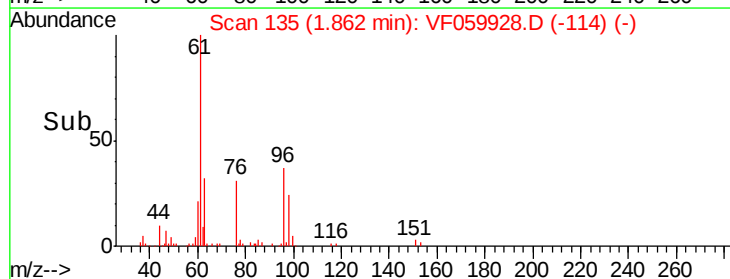
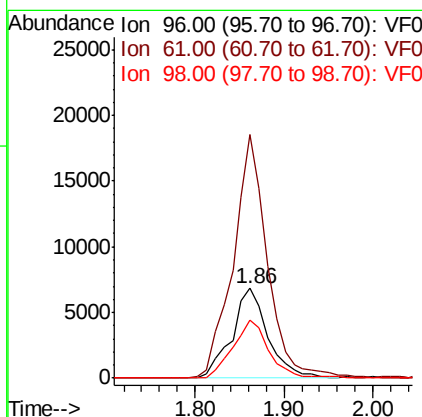
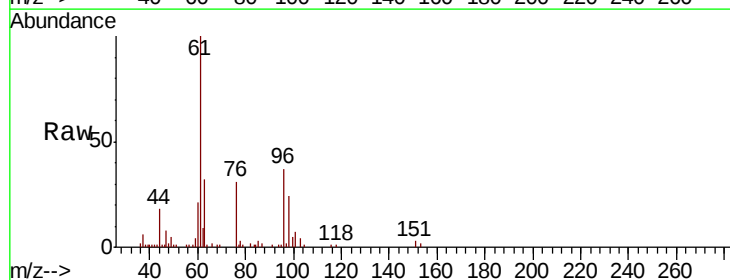
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

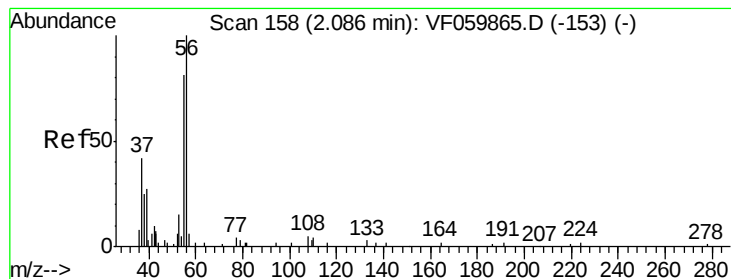
Tot Ion: 59 Resp: 10464
Ion Ratio Lower Upper
59 100
57 13.5 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 21.62 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 96 Resp: 19205
Ion Ratio Lower Upper
96 100
61 271.3 230.2 345.2
98 64.5 52.7 79.1





#13

Acrolein

Concen: 74.45 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

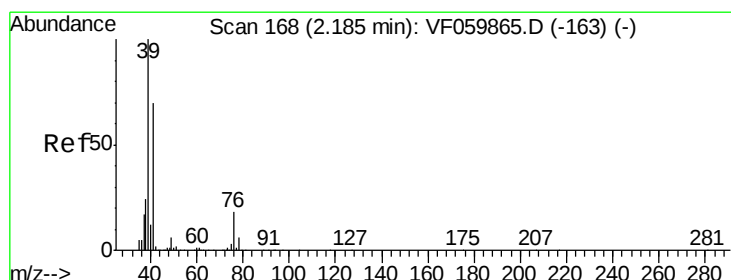
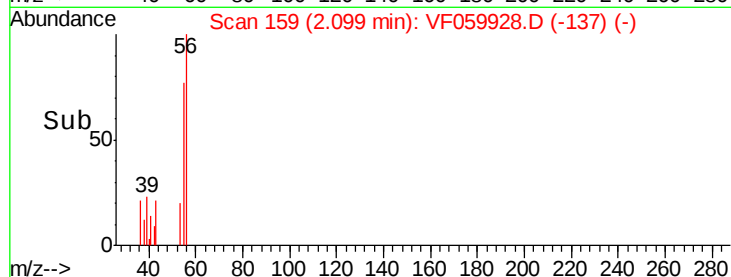
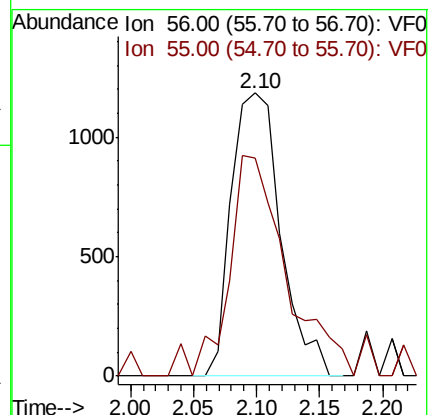
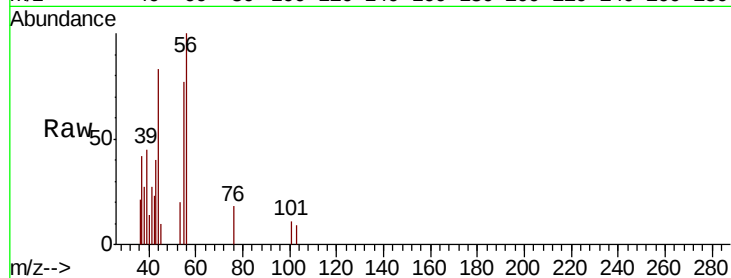
VF0808SBSD01

Tot Ion: 56 Resp: 3226

Ion Ratio Lower Upper

56 100

55 76.9 64.6 96.8



#14

Allyl chloride

Concen: 19.56 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

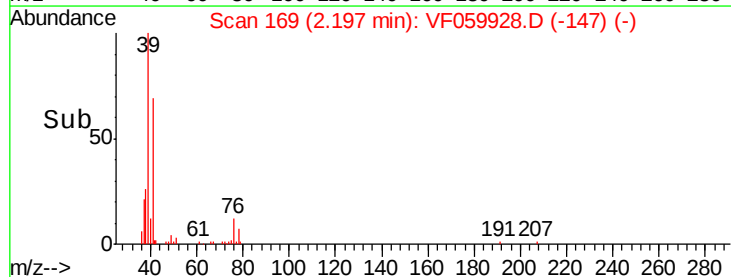
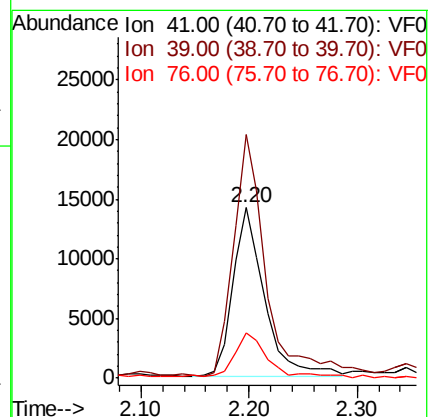
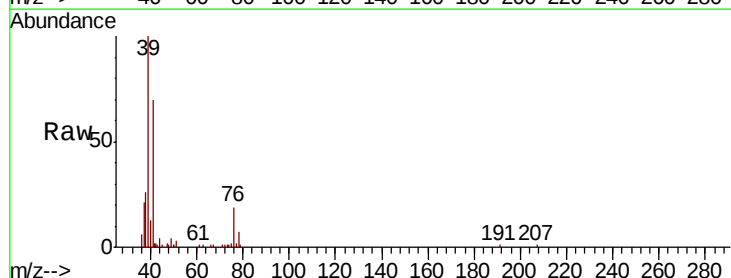
Tgt Ion: 41 Resp: 28966

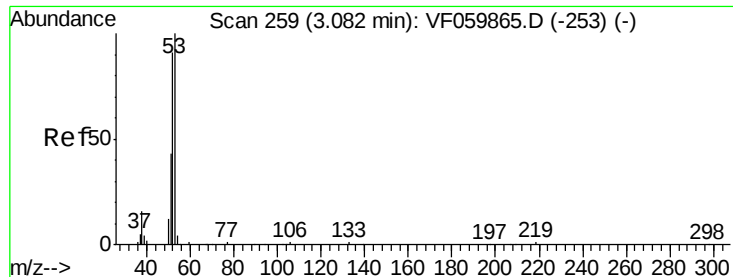
Ion Ratio Lower Upper

41 100

39 143.2 114.6 171.8

76 26.9 21.0 31.4





#15

Acrylonitrile

Concen: 94.64 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

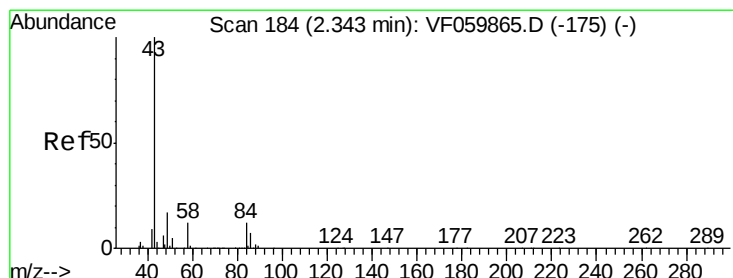
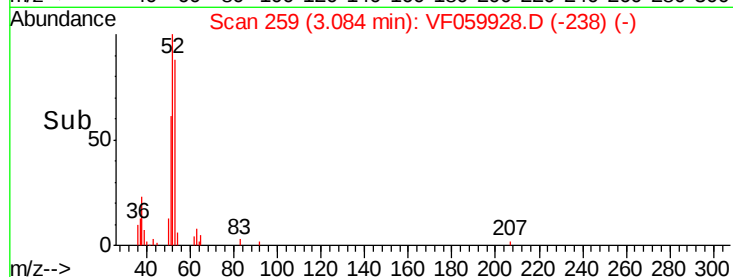
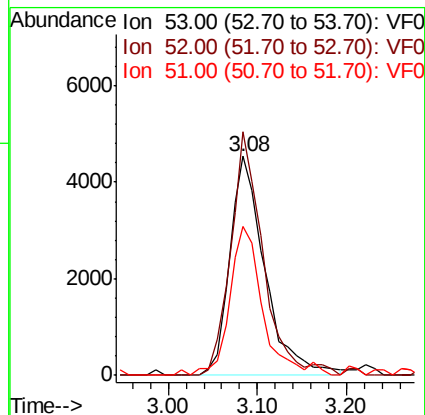
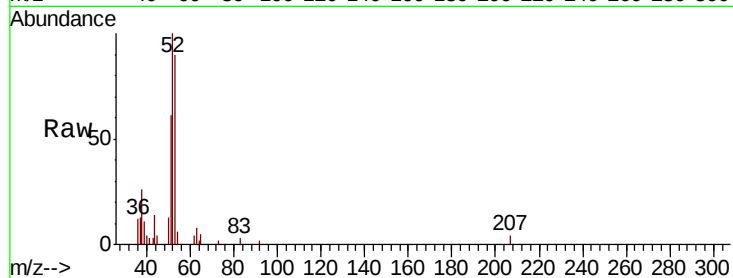
Tot Ion: 53 Resp: 12539

Ion Ratio Lower Upper

53 100

52 111.1 72.9 109.3#

51 68.1 34.5 51.7#



#16

Acetone

Concen: 106.61 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059928.D

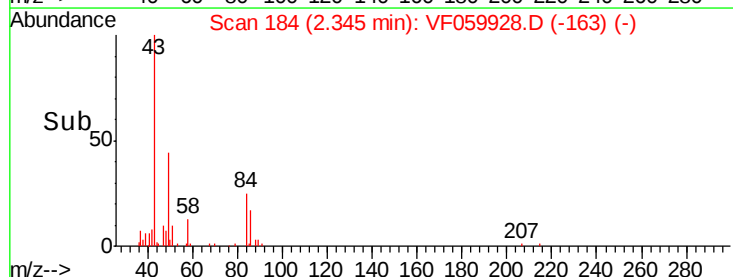
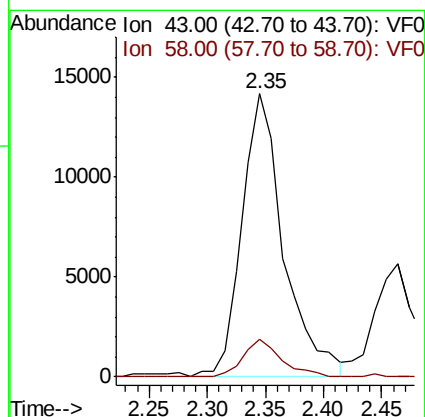
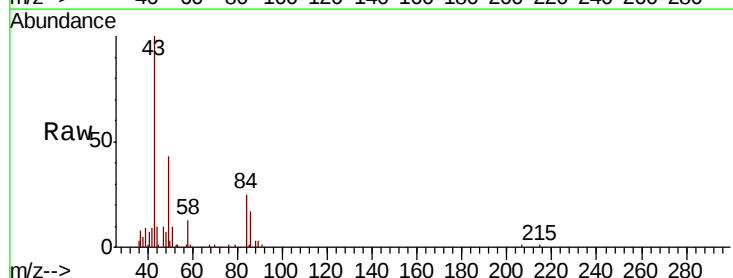
Acq: 8 Aug 2018 13:47

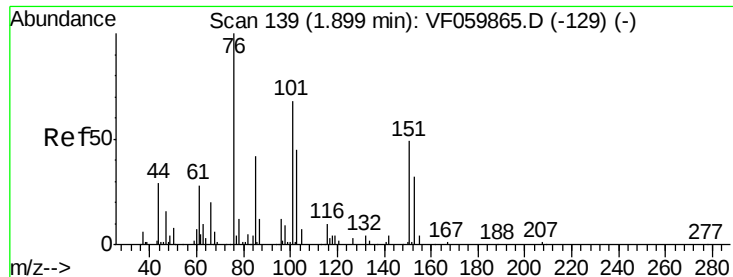
Tgt Ion: 43 Resp: 35281

Ion Ratio Lower Upper

43 100

58 13.1 9.4 14.0

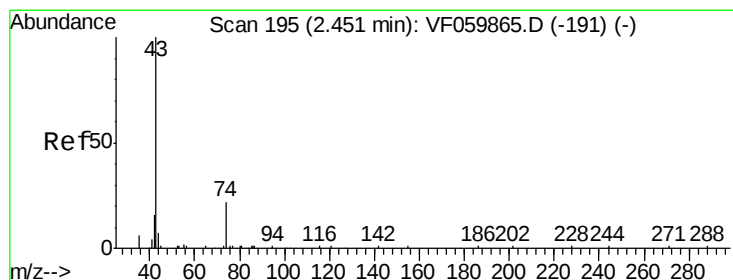
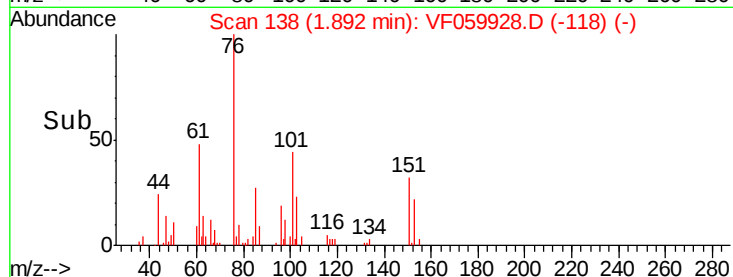
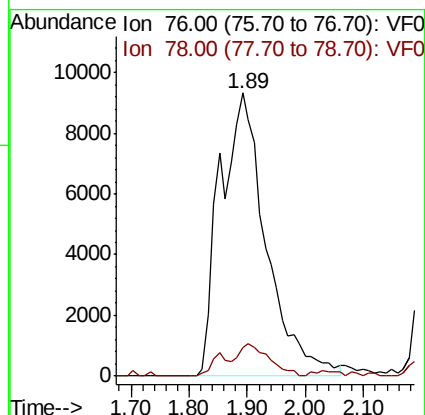
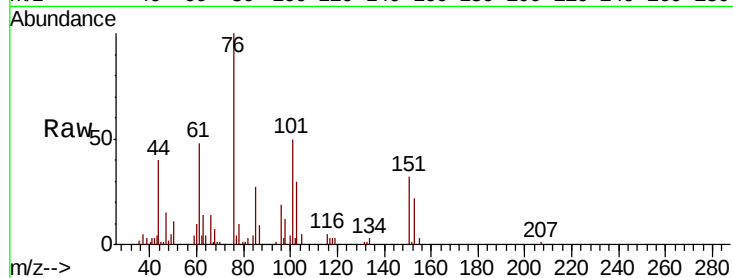




#17
Carbon Disulfide
Concen: 21.69 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

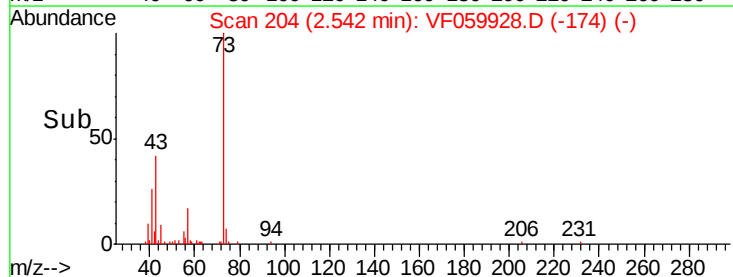
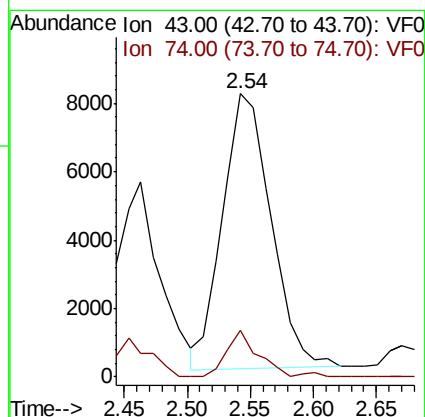
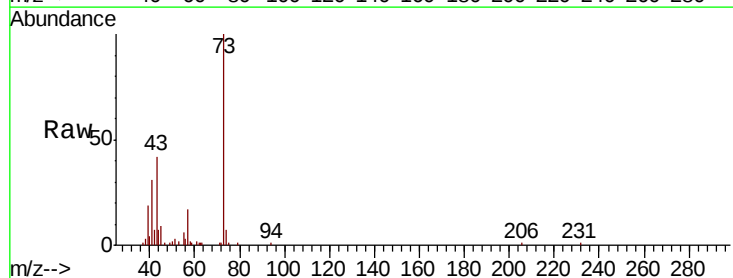
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

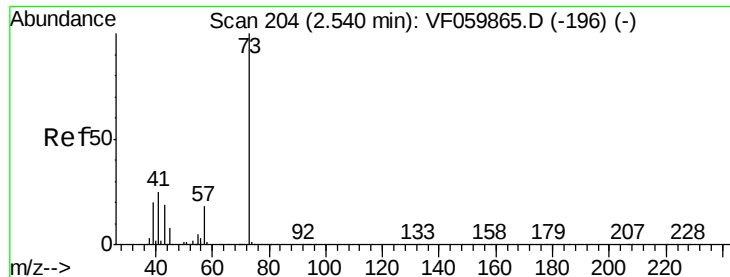
Tot Ion: 76 Resp: 51438
Ion Ratio Lower Upper
76 100
78 10.0 9.3 13.9



#18
Methyl Acetate
Concen: 38.53 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.09 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 43 Resp: 21509
Ion Ratio Lower Upper
43 100
74 16.7 16.3 24.5



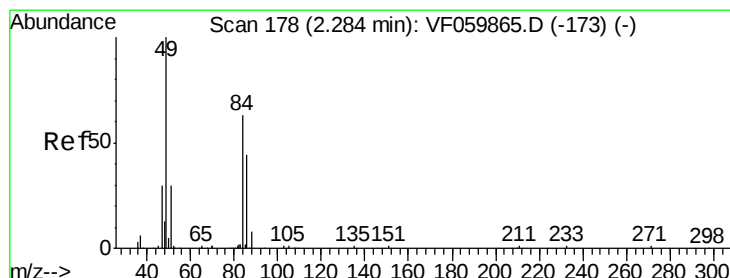
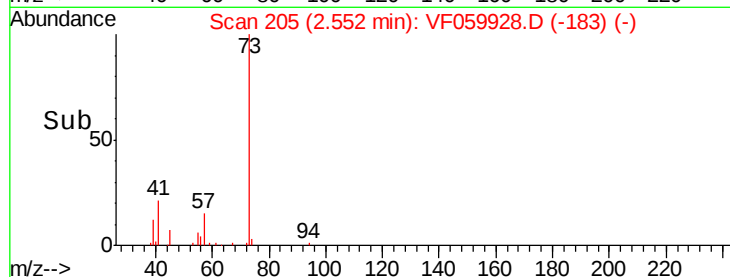
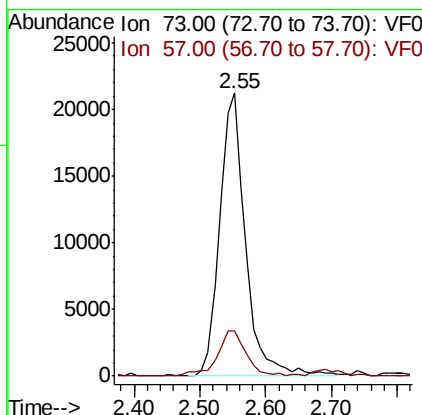
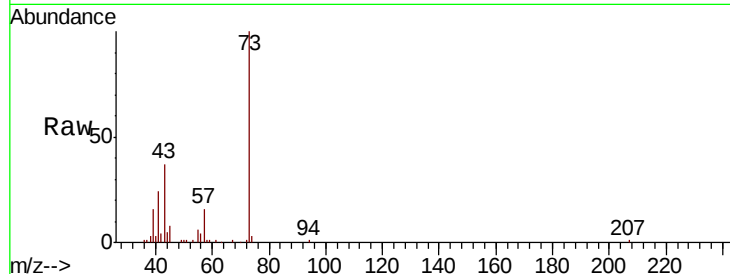


#19

Methyl tert-butyl Ether
 Concen: 23.12 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

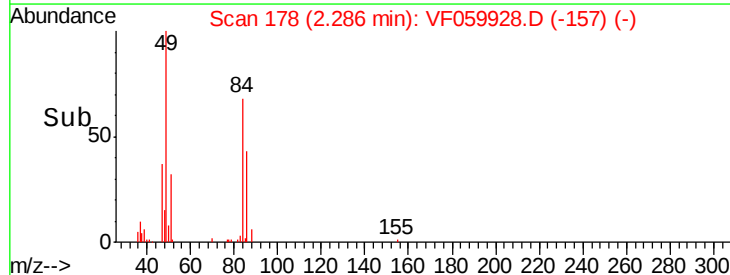
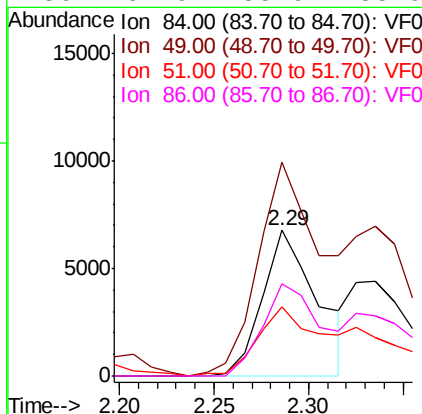
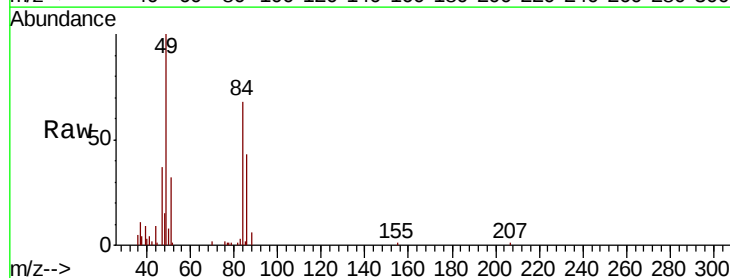
Tot Ion: 73 Resp: 58140
 Ion Ratio Lower Upper
 73 100
 57 15.9 14.3 21.5

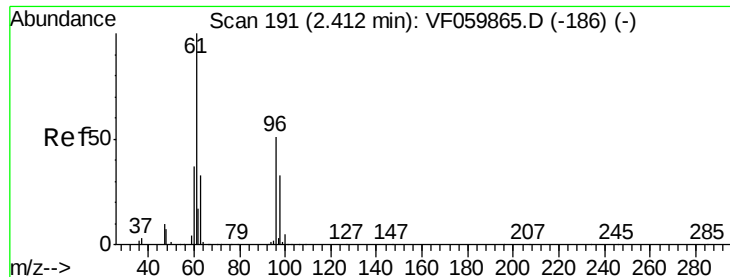


#20

Methylene Chloride
 Concen: 12.08 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion: 84 Resp: 13702
 Ion Ratio Lower Upper
 84 100
 49 146.7 128.7 193.1
 51 47.2 39.3 58.9
 86 62.9 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 22.50 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

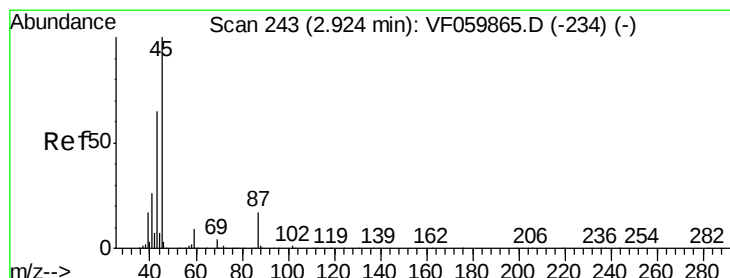
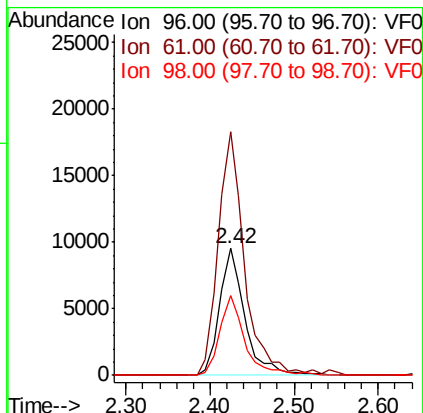
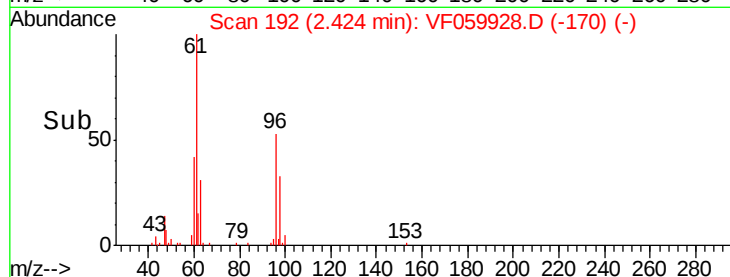
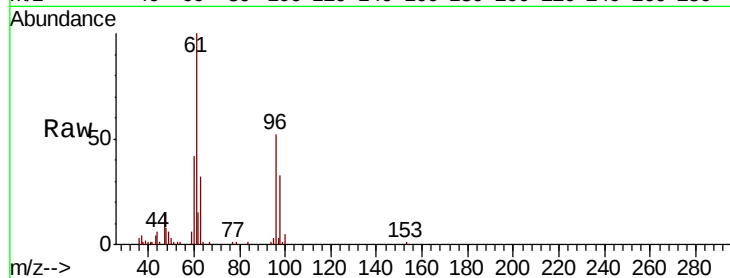
Tot Ion: 96 Resp: 19848

Ion Ratio Lower Upper

96 100

61 192.4 158.2 237.4

98 62.9 52.0 78.0



#22

Diisopropyl ether

Concen: 22.02 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion: 45 Resp: 62717

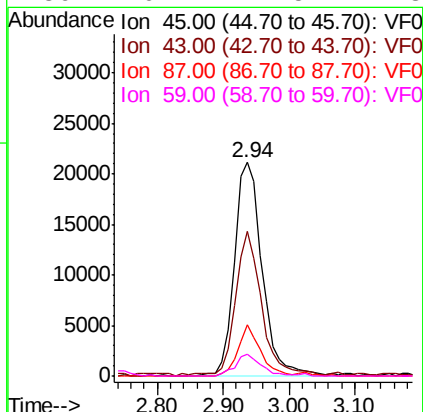
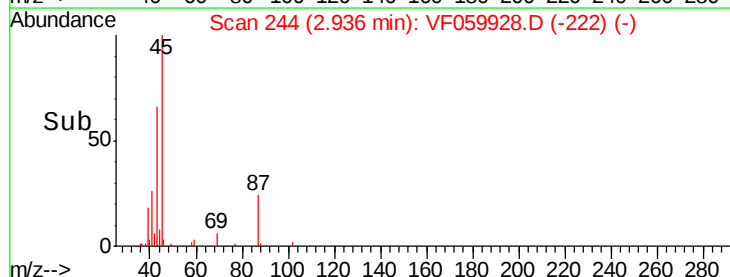
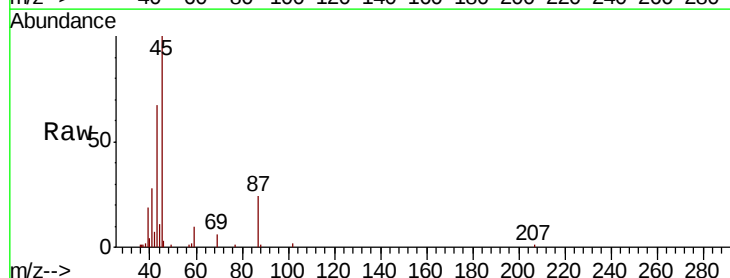
Ion Ratio Lower Upper

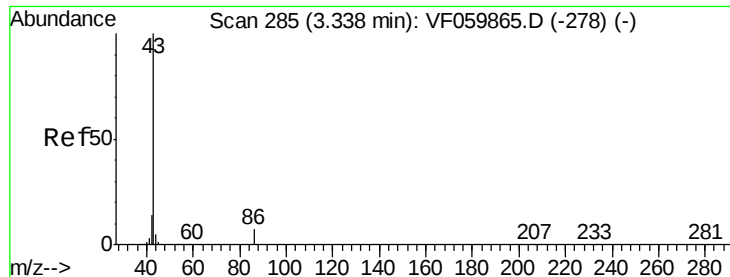
45 100

43 67.5 52.1 78.1

87 24.1 13.8 20.8#

59 10.4 7.5 11.3





#23

Vinyl Acetate

Concen: 113.78 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

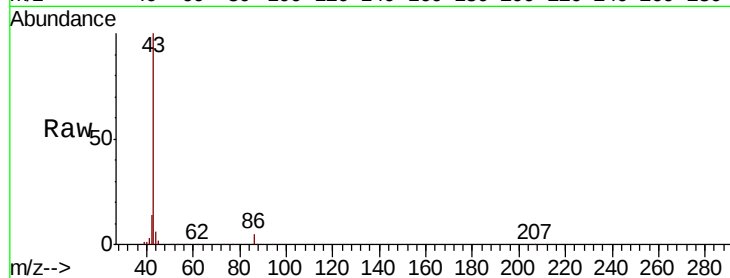
VF0808SBSD01

Tot Ion: 43 Resp: 156906

Ion Ratio Lower Upper

43 100

86 5.3 5.6 8.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

60000

50000

40000

30000

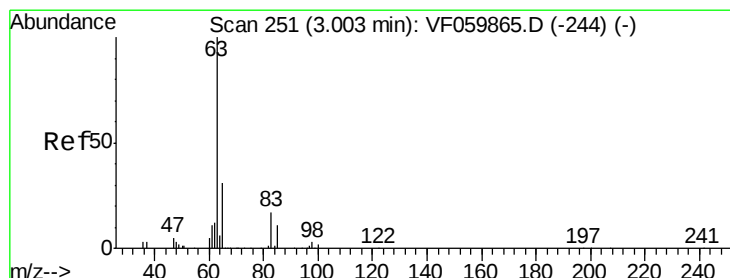
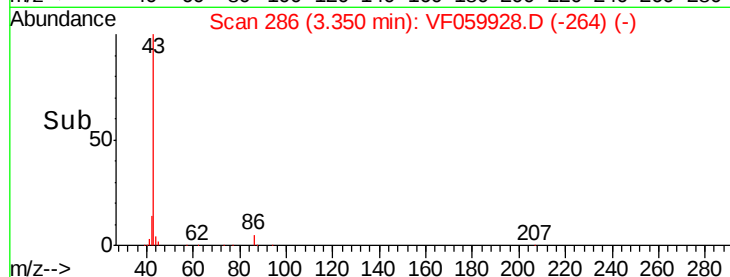
20000

10000

0

3.20 3.30 3.40 3.50 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 22.01 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

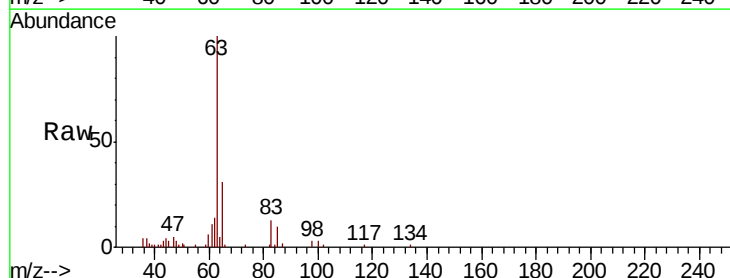
Tgt Ion: 63 Resp: 45654

Ion Ratio Lower Upper

63 100

98 2.7 1.9 5.7

100 2.8 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

20000

15000

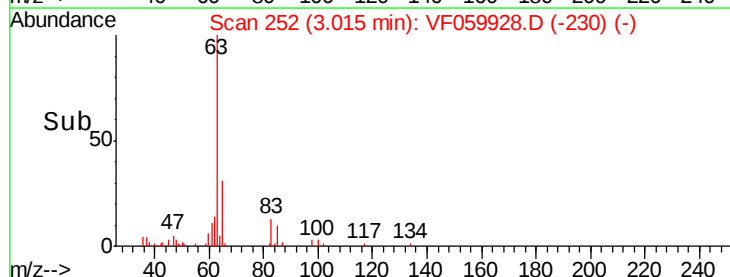
10000

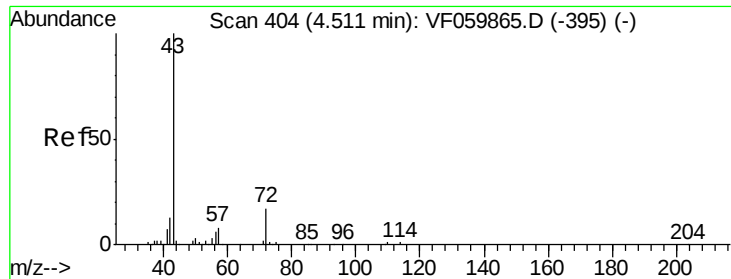
5000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 120.15 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

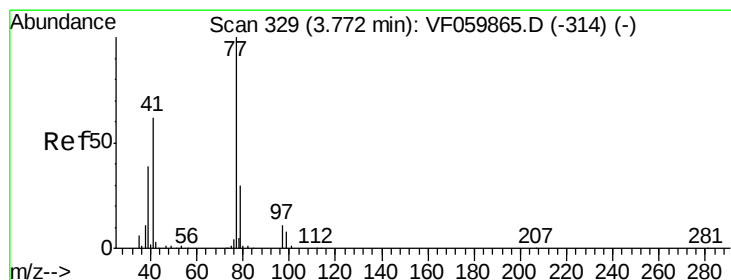
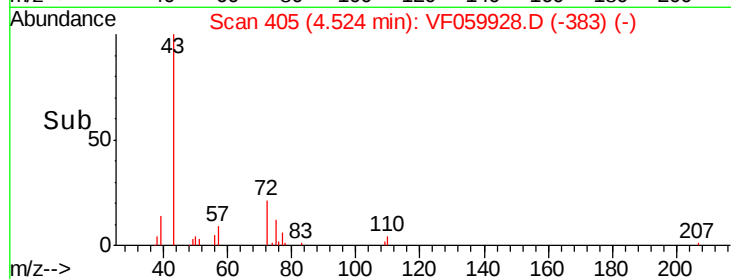
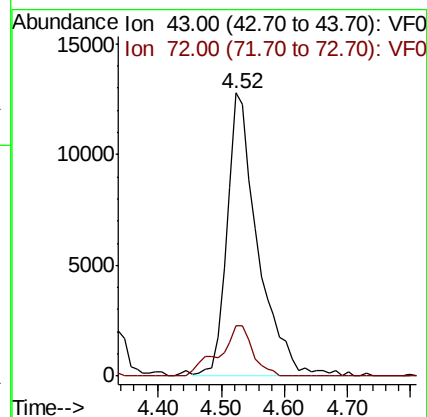
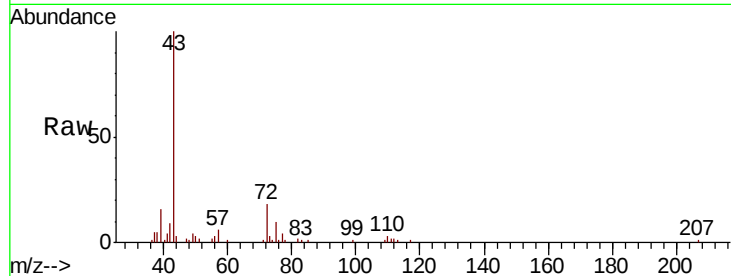
VF0808SBSD01

Tot Ion: 43 Resp: 43236

Ion Ratio Lower Upper

43 100

72 17.9 13.9 20.9



#26

2,2-Dichloropropane

Concen: 19.23 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059928.D

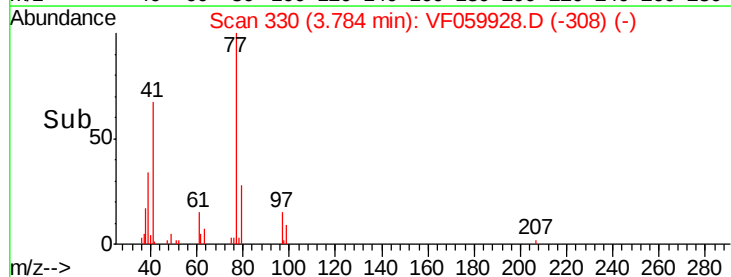
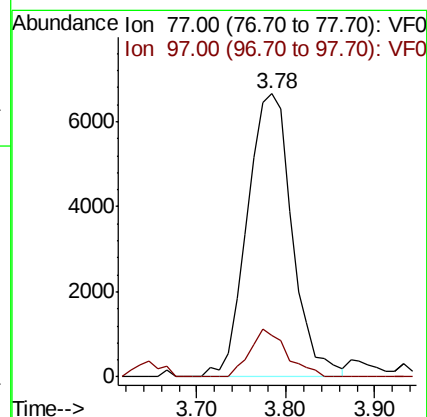
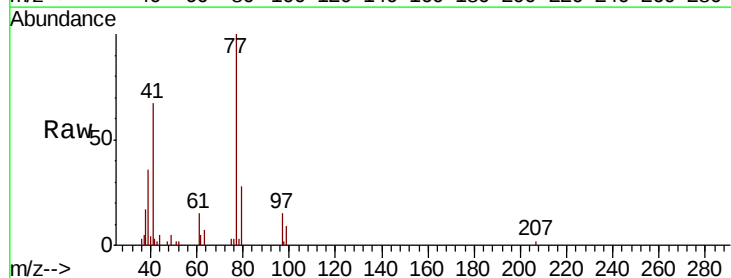
Acq: 8 Aug 2018 13:47

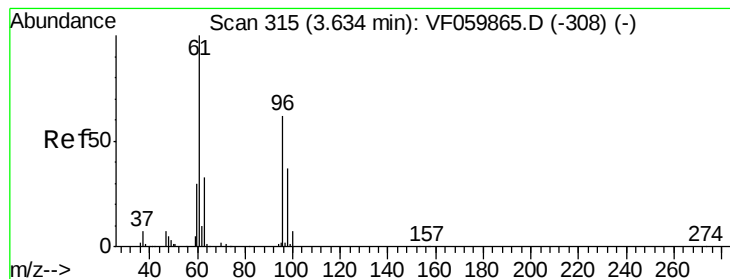
Tgt Ion: 77 Resp: 23227

Ion Ratio Lower Upper

77 100

97 14.6 6.8 20.3



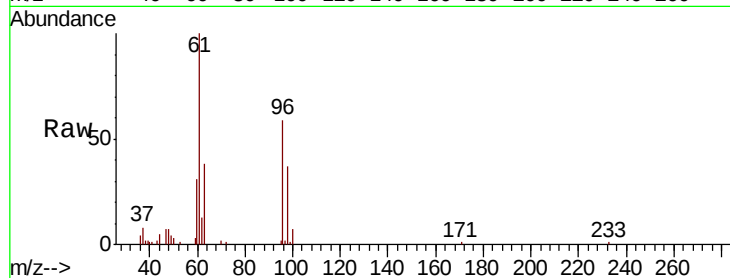


#27

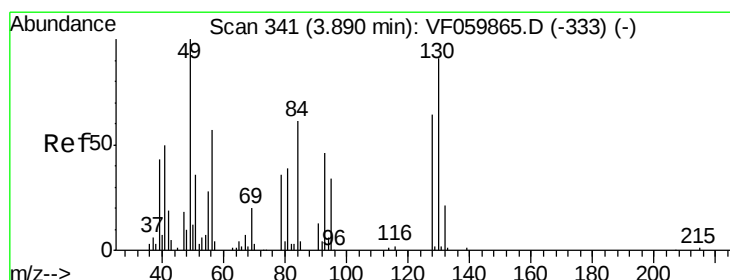
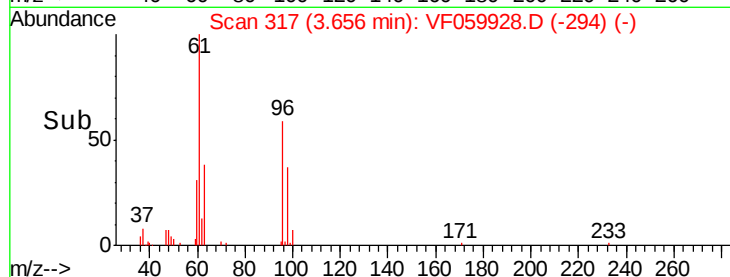
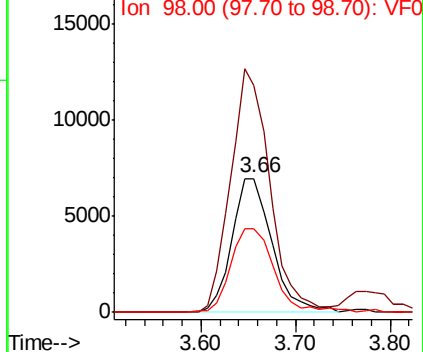
cis-1,2-Dichloroethene
Concen: 20.61 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion: 96 Resp: 20449
Ion Ratio Lower Upper
96 100
61 169.9 0.0 320.8
98 62.6 0.0 117.6



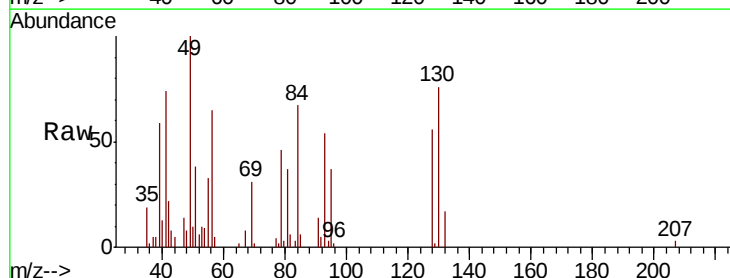
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



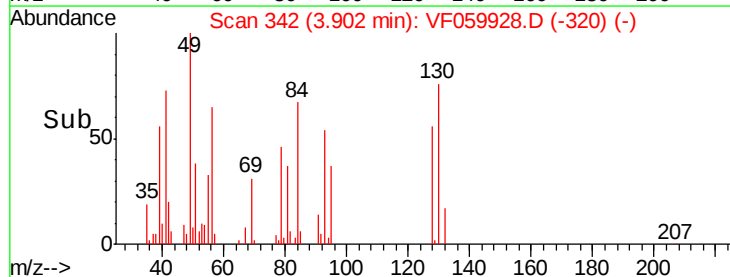
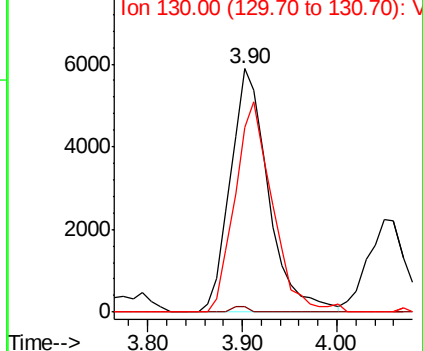
#28

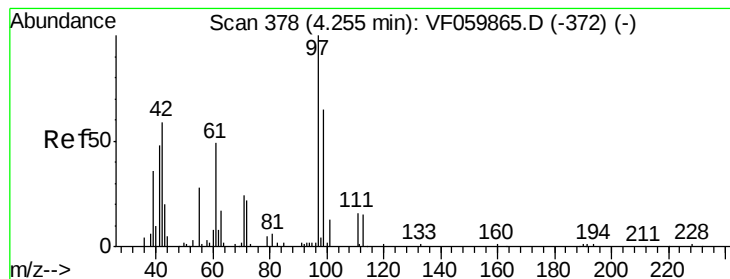
Bromochloromethane
Concen: 22.51 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 49 Resp: 16488
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.6
130 75.8 73.8 110.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 122.72 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

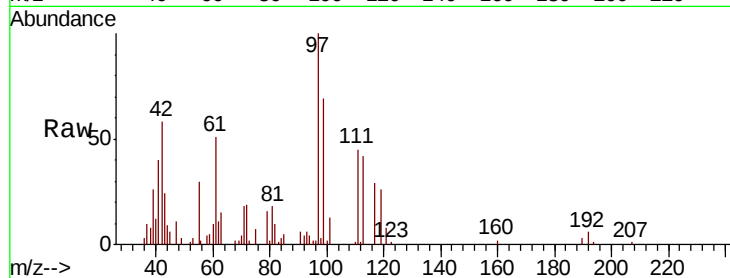
Tot Ion: 42 Resp: 16256

Ion Ratio Lower Upper

42 100

72 34.0 29.3 43.9

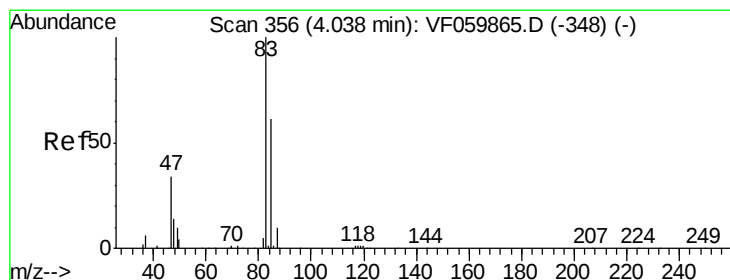
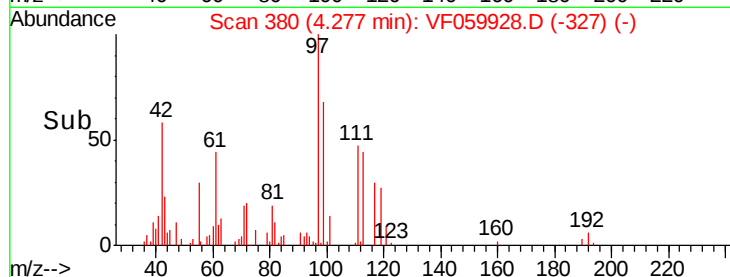
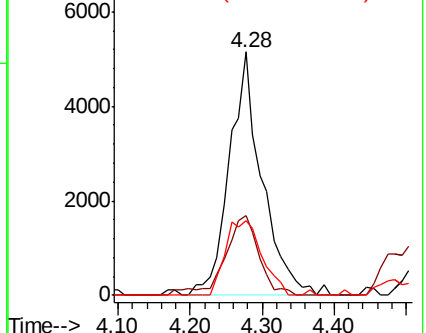
71 34.1 30.0 45.0



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: 21.62 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF059928.D

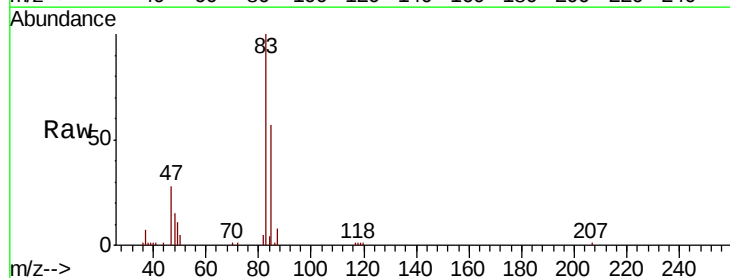
Acq: 8 Aug 2018 13:47

Tgt Ion: 83 Resp: 60676

Ion Ratio Lower Upper

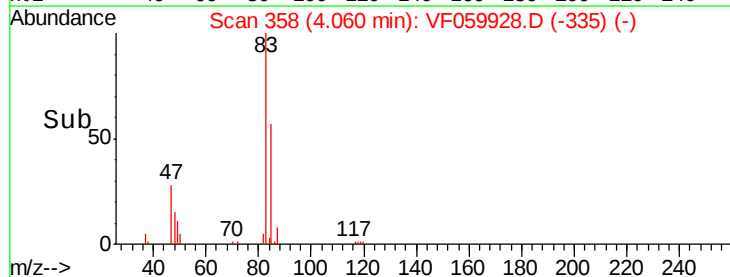
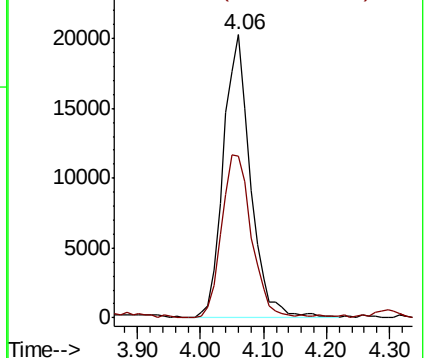
83 100

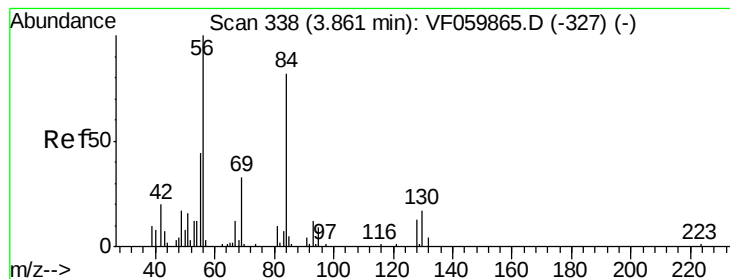
85 57.3 49.3 73.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.41 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

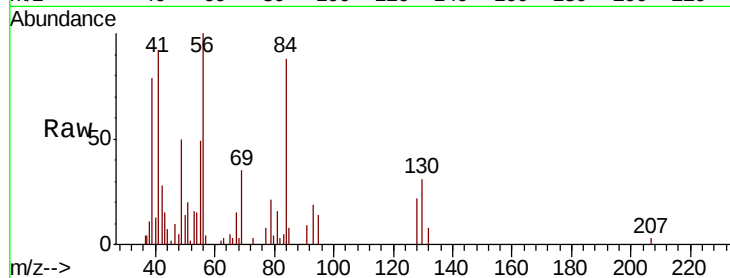
Tot Ion: 56 Resp: 23006

Ion Ratio Lower Upper

56 100

69 34.7 26.7 40.1

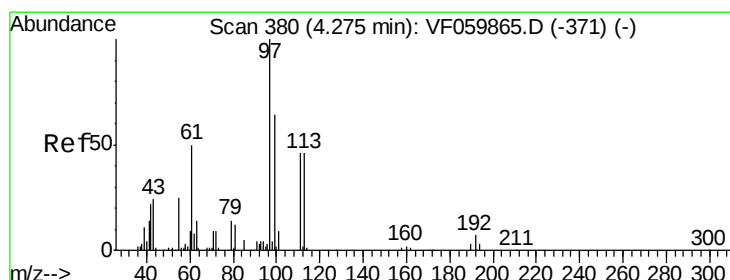
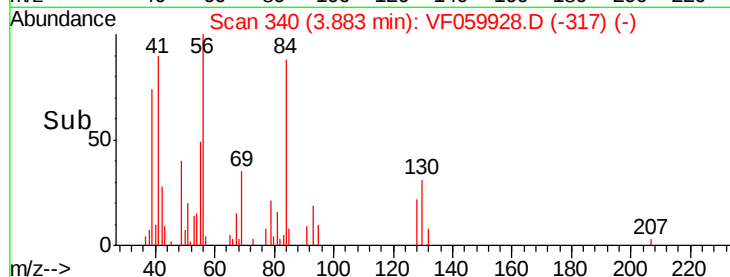
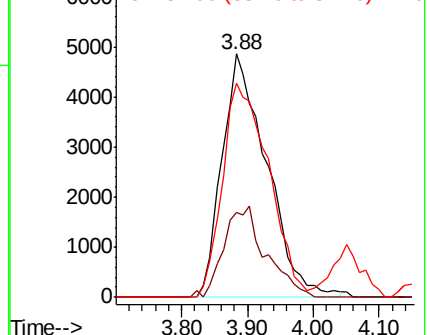
84 88.0 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.89 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

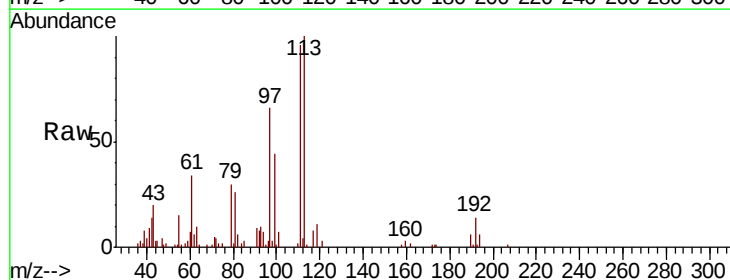
Tgt Ion: 97 Resp: 49157

Ion Ratio Lower Upper

97 100

99 66.7 51.4 77.2

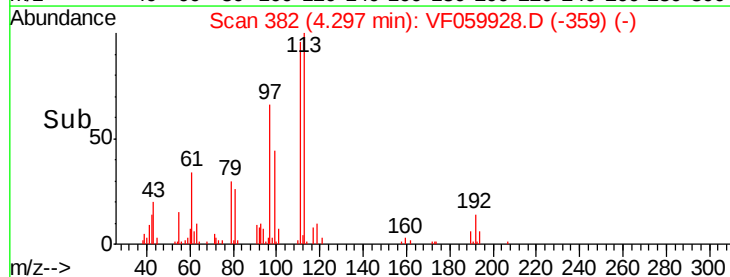
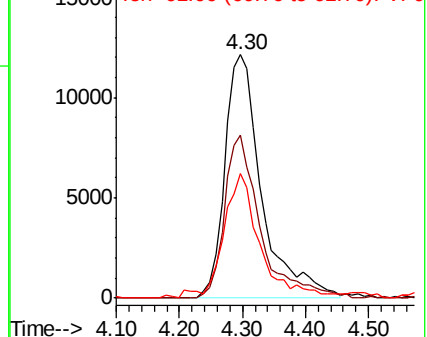
61 51.0 40.8 61.2

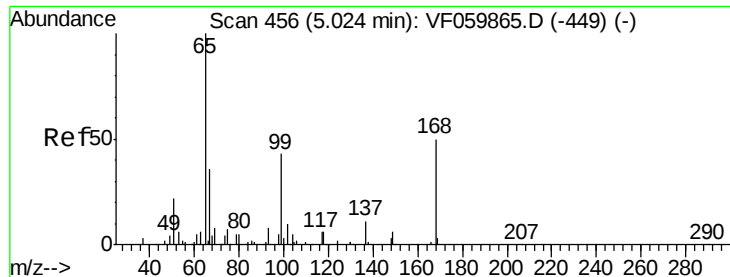


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

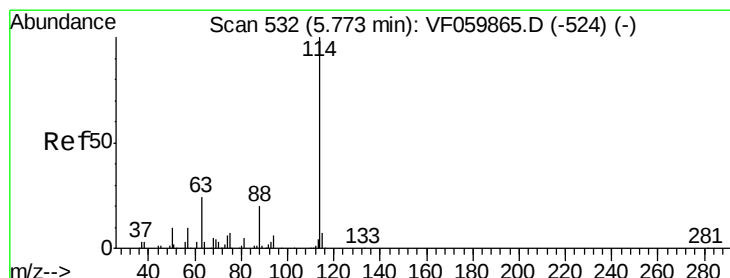
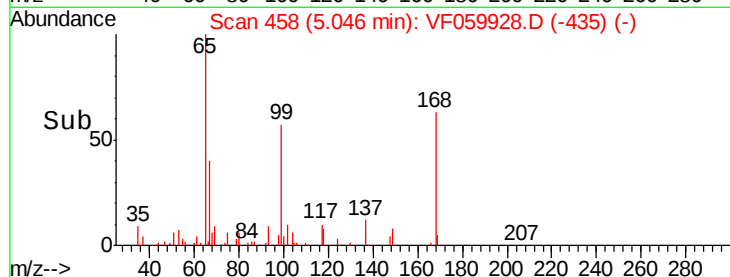
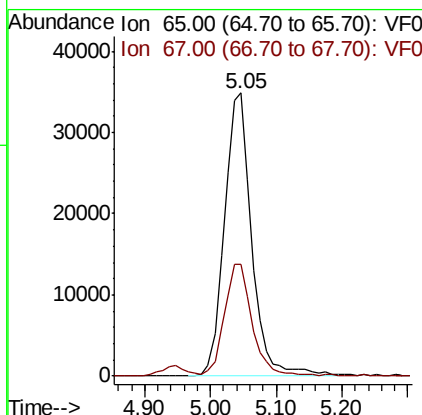
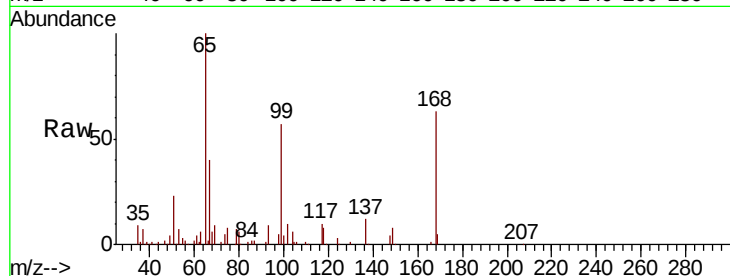




#33
 1,2-Dichloroethane-d4
 Concen: 56.41 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

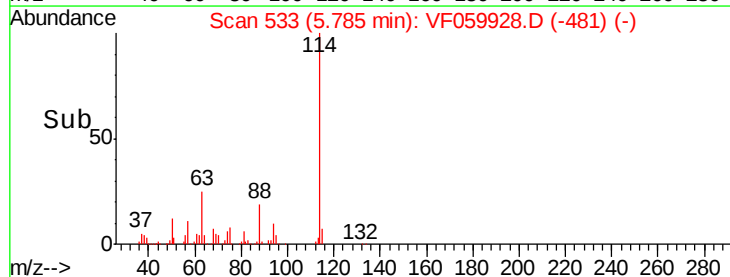
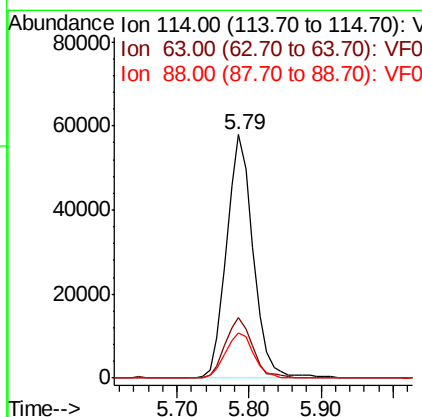
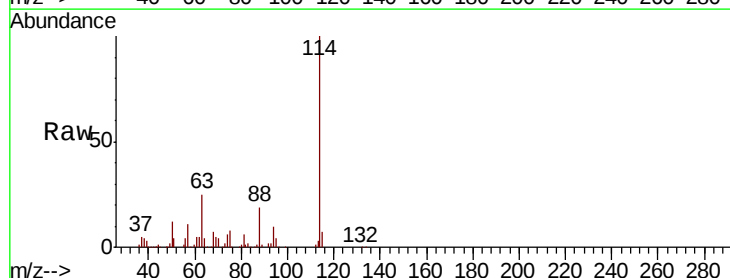
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

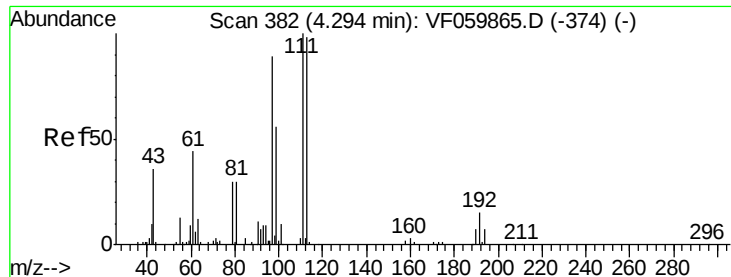
Tot Ion: 65 Resp: 101128
 Ion Ratio Lower Upper
 65 100
 67 39.5 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion: 114 Resp: 148914
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.0
 88 18.6 0.0 39.4





#35

Dibromofluoromethane

Concen: 52.81 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

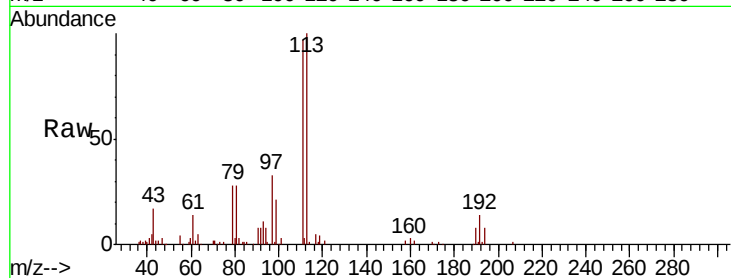
Tot Ion:113 Resp: 78240

Ion Ratio Lower Upper

113 100

111 97.0 81.8 122.8

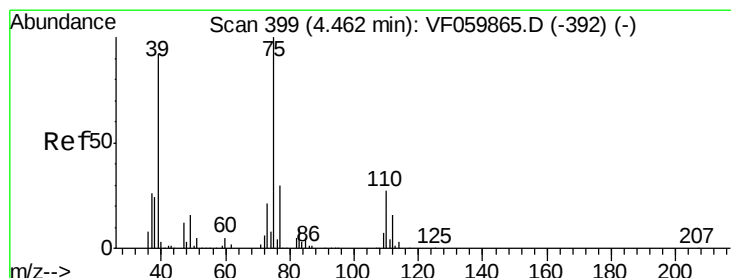
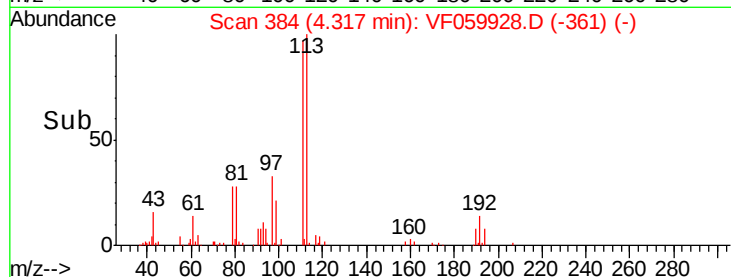
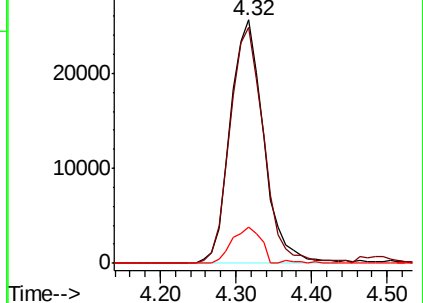
192 14.9 12.4 18.6



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: 19.08 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

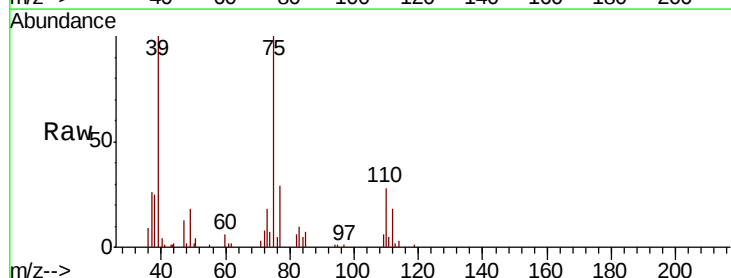
Tgt Ion: 75 Resp: 32862

Ion Ratio Lower Upper

75 100

110 27.9 13.6 40.7

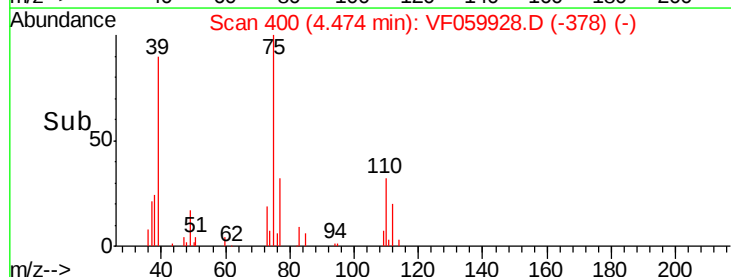
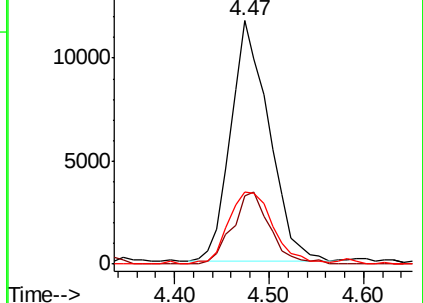
77 29.4 23.7 35.5

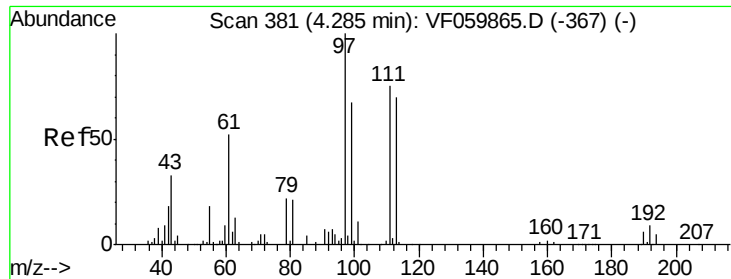


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

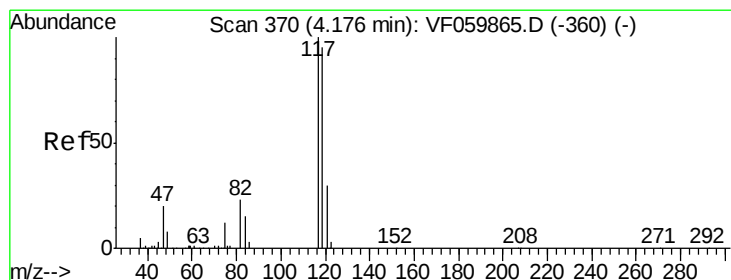
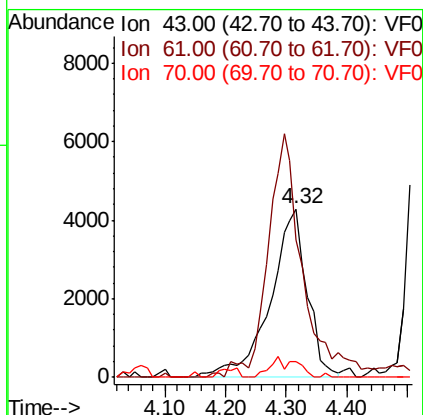
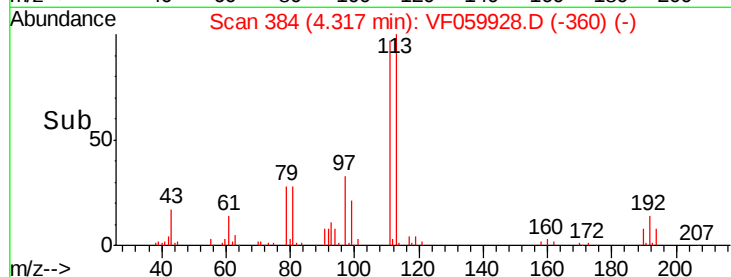
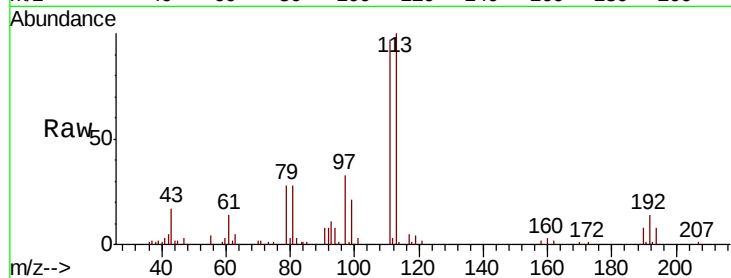




#37
Ethyl Acetate
Concen: 24.49 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

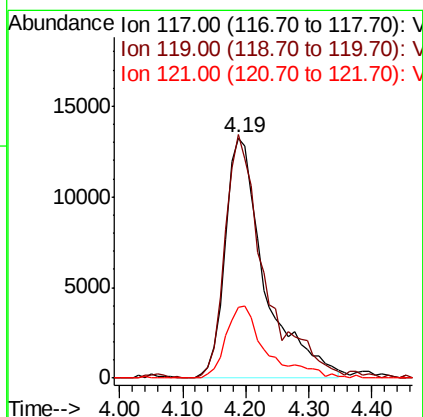
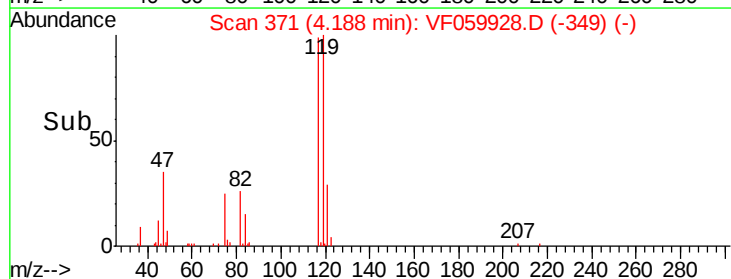
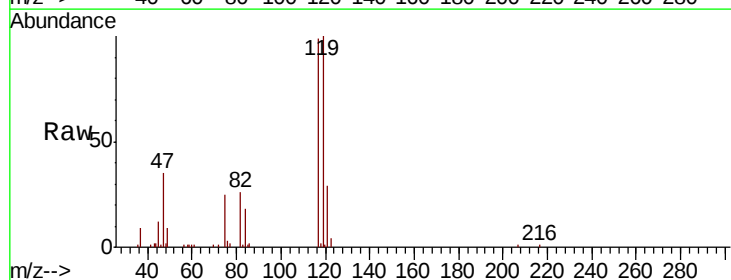
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

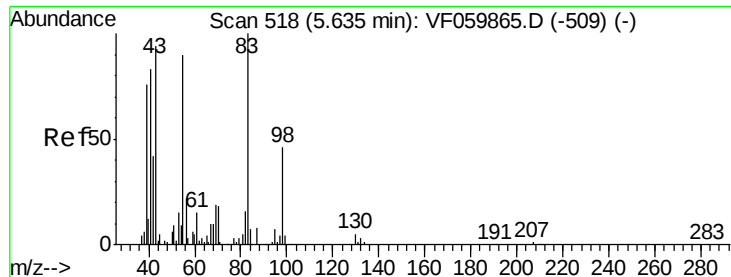
Tot Ion: 43 Resp: 18112
Ion Ratio Lower Upper
43 100
61 81.9 123.7 185.5#
70 9.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 23.36 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 117 Resp: 57593
Ion Ratio Lower Upper
117 100
119 101.4 76.5 114.7
121 29.7 23.8 35.8

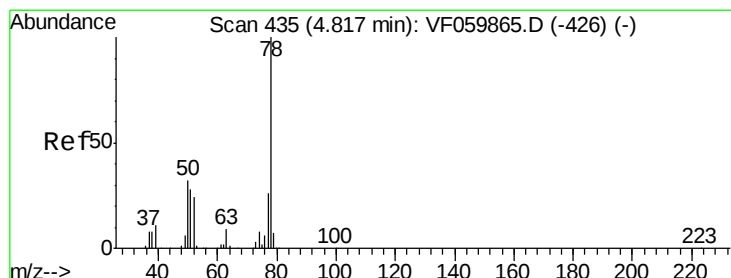
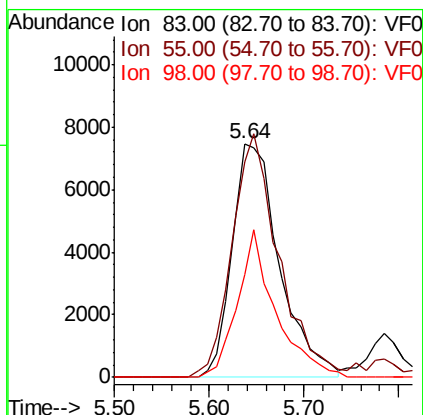
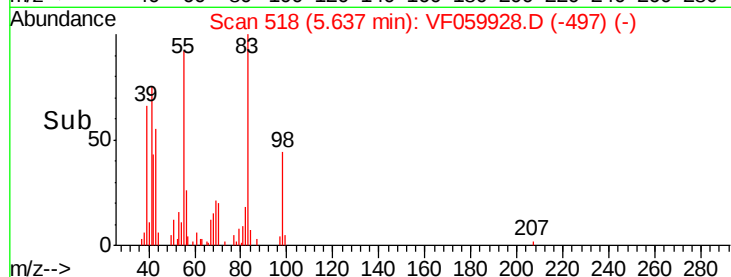
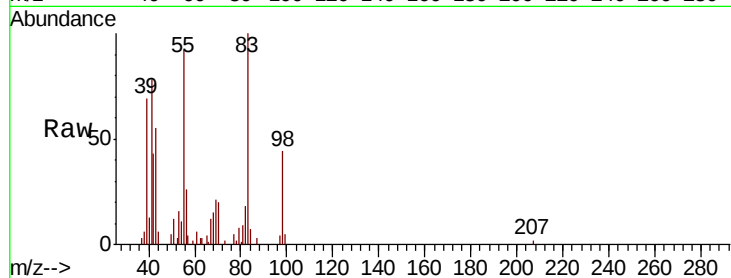




#39
Methvlcvclohexane
Concen: 20.12 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

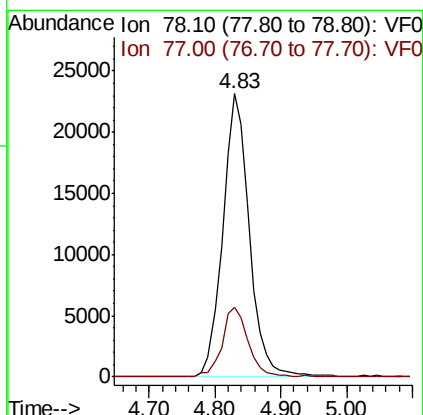
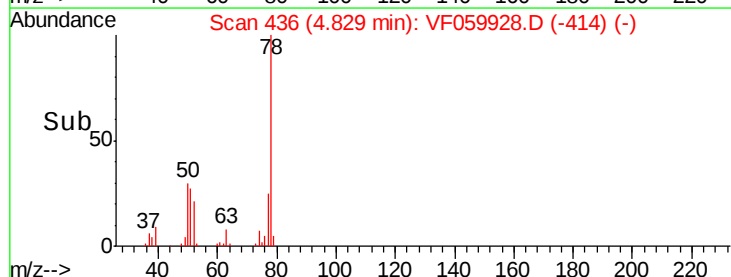
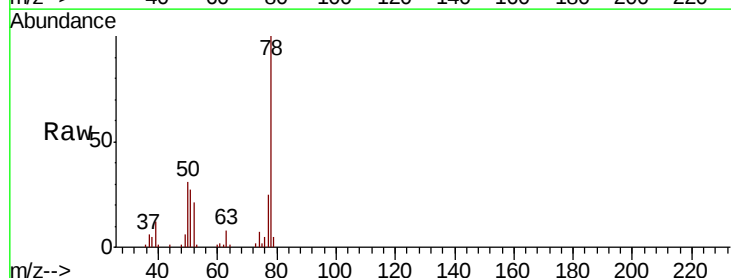
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

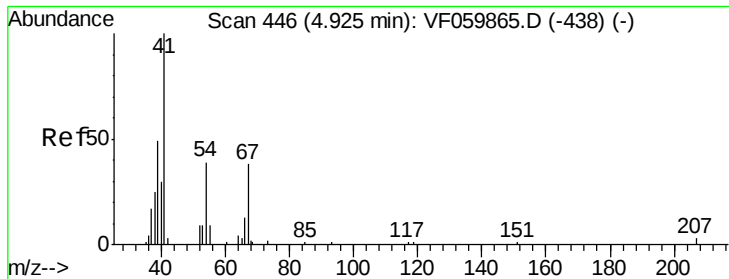
Tot Ion: 83 Resp: 25994
Ion Ratio Lower Upper
83 100
55 92.3 72.0 108.0
98 43.8 36.6 54.8



#40
Benzene
Concen: 20.22 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 78 Resp: 65121
Ion Ratio Lower Upper
78 100
77 24.6 20.7 31.1





#41

Methacrylonitrile

Concen: 20.25 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 41 Resp: 7905

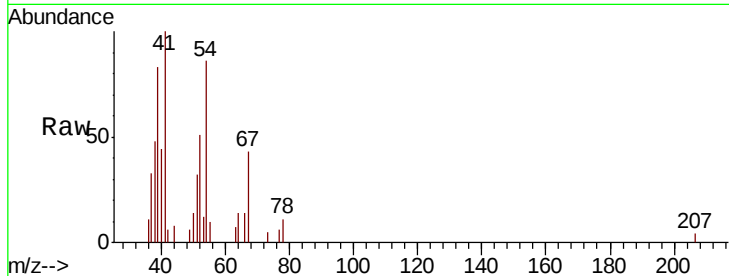
Ion Ratio Lower Upper

41 100

39 82.7 55.1 82.7

67 42.8 30.3 45.5

52 51.1 36.0 54.0

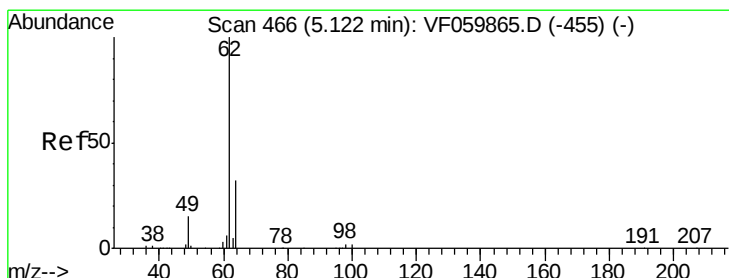
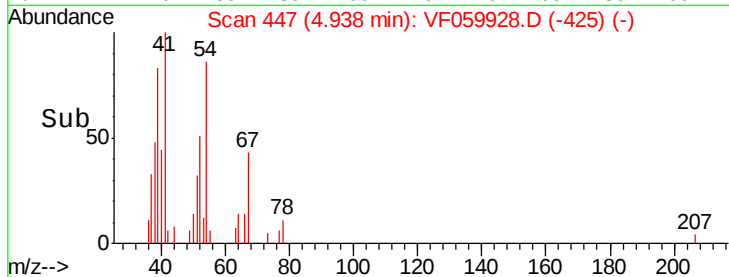
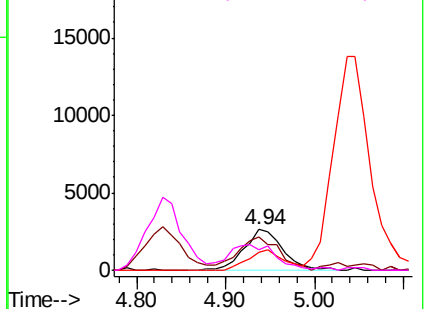


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.67 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF059928.D

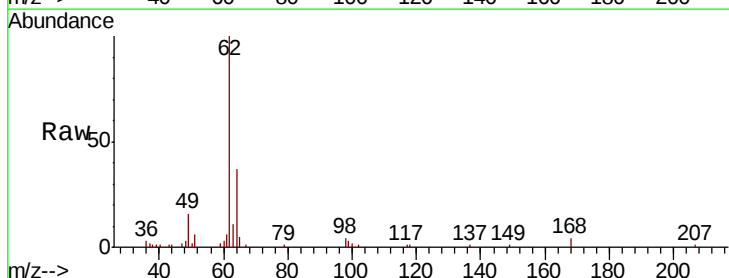
Acq: 8 Aug 2018 13:47

Tgt Ion: 62 Resp: 49287

Ion Ratio Lower Upper

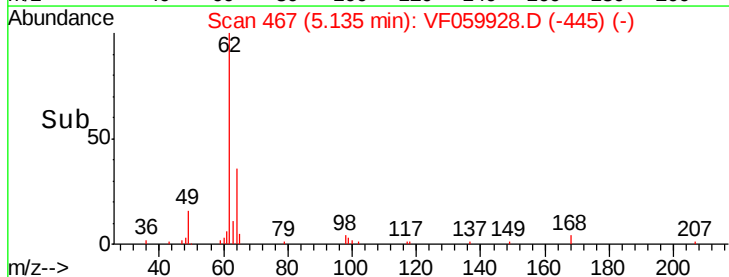
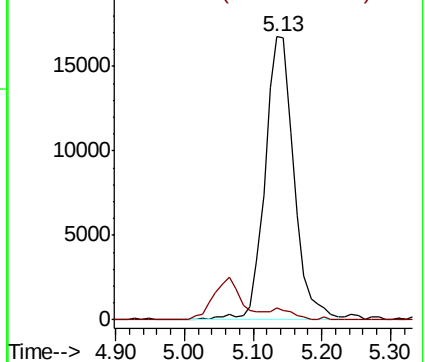
62 100

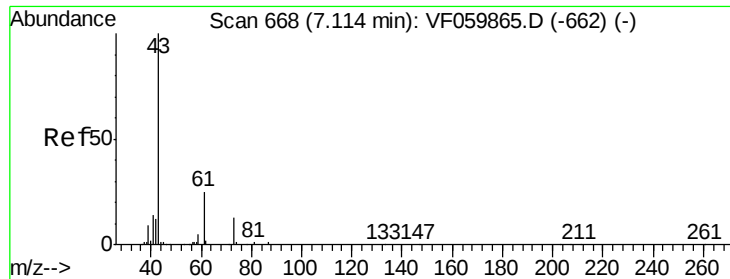
98 4.3 0.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



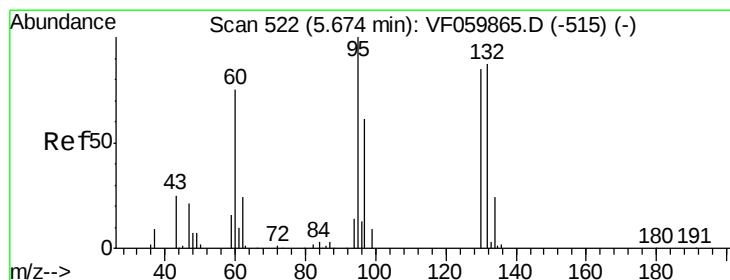
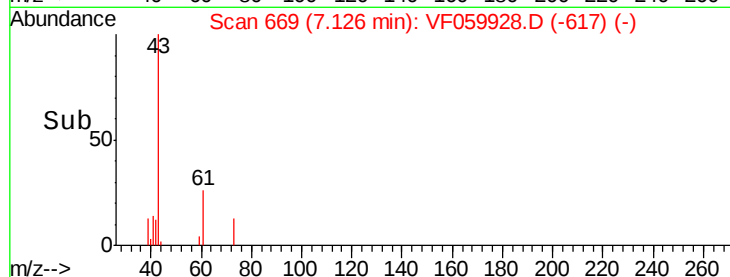
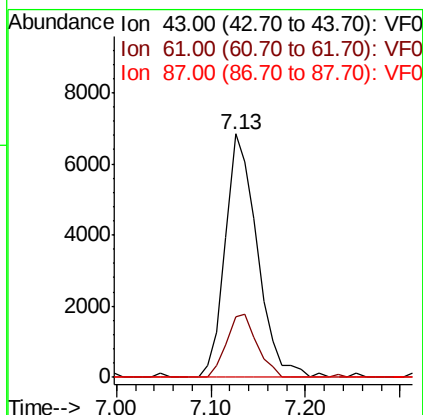
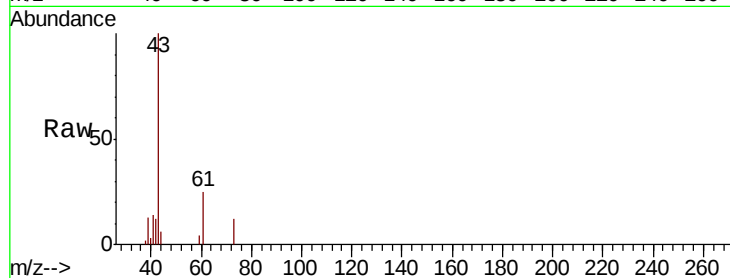


#43

Isopropyl Acetate
 Concen: 21.07 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

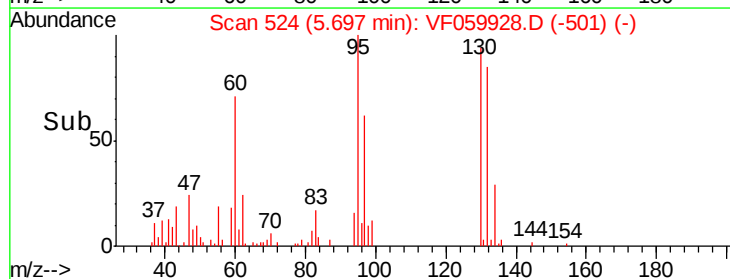
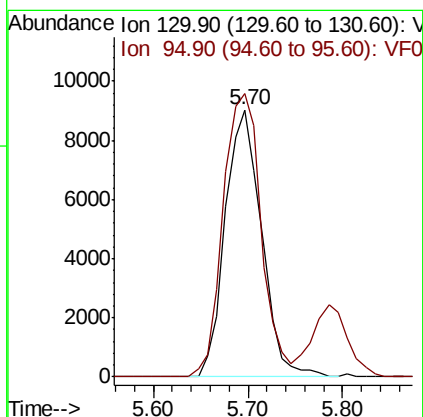
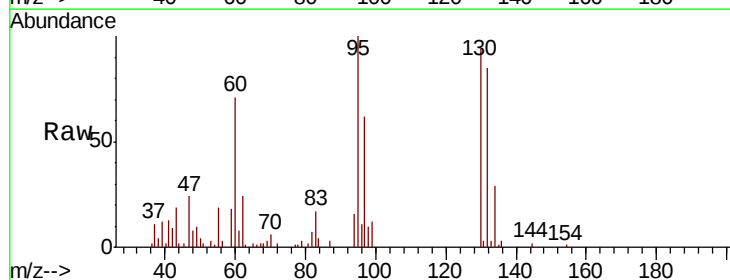
Tot Ion: 43 Resp: 16045
 Ion Ratio Lower Upper
 43 100
 61 25.0 20.3 30.5
 87 0.0 0.7 1.1#

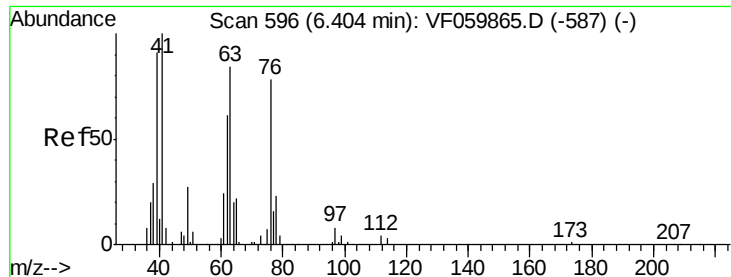


#44

Trichloroethene
 Concen: 20.94 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.02 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion: 130 Resp: 24022
 Ion Ratio Lower Upper
 130 100
 95 106.0 0.0 236.8





#45

1,2-Dichloropropane

Concen: 20.38 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

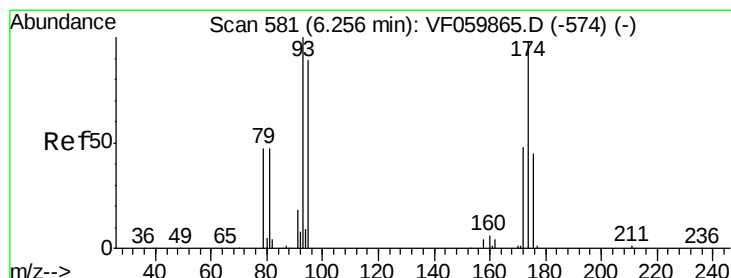
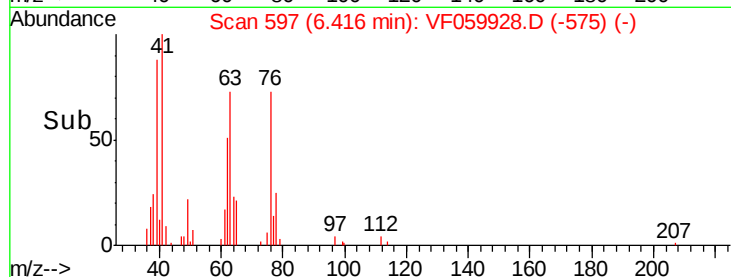
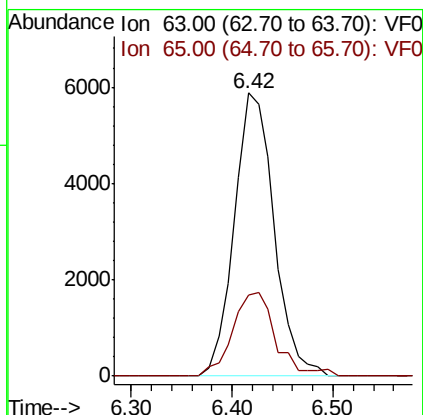
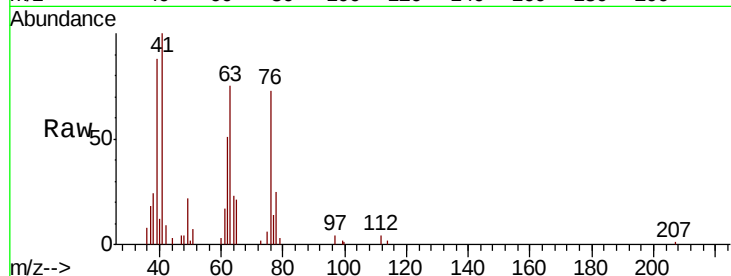
VF0808SBSD01

Tot Ion: 63 Resp: 16111

Ion Ratio Lower Upper

63 100

65 28.8 20.4 30.6



#46

Dibromomethane

Concen: 20.00 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

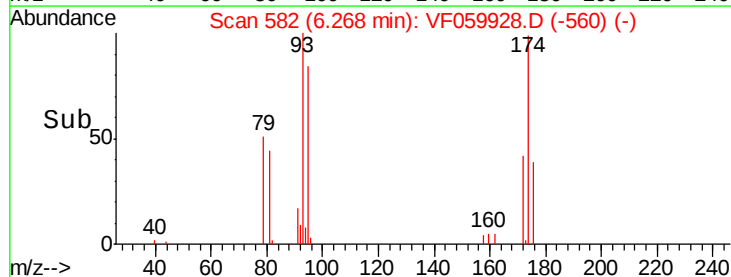
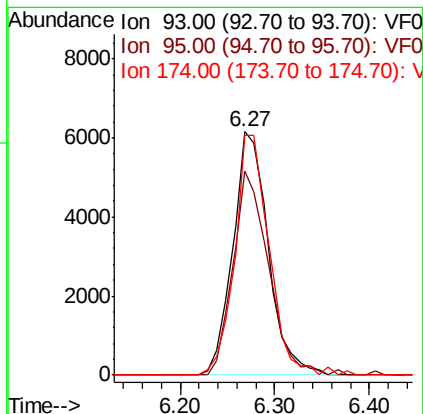
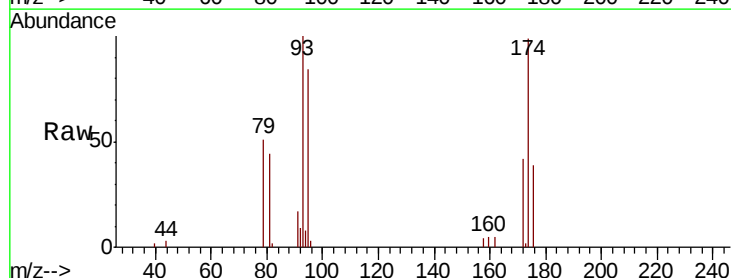
Tgt Ion: 93 Resp: 15951

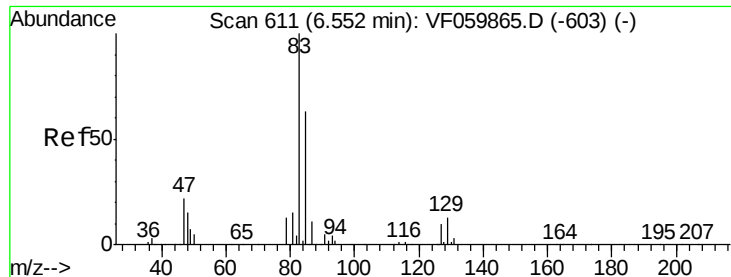
Ion Ratio Lower Upper

93 100

95 83.8 71.4 107.2

174 98.5 78.1 117.1





#47

Bromodichloromethane

Concen: 20.96 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

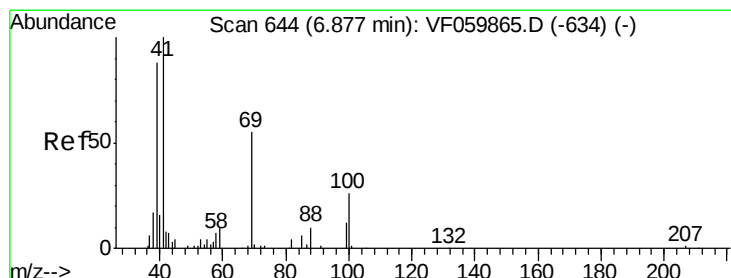
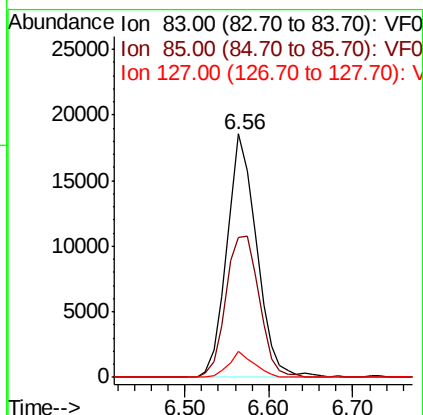
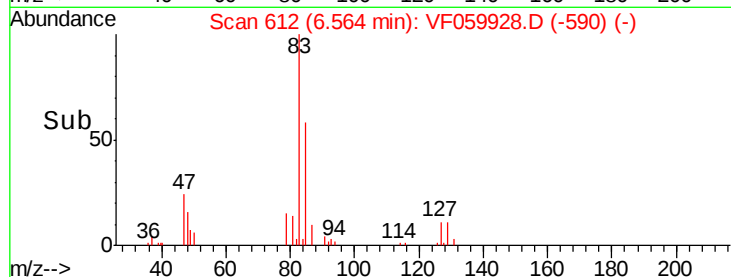
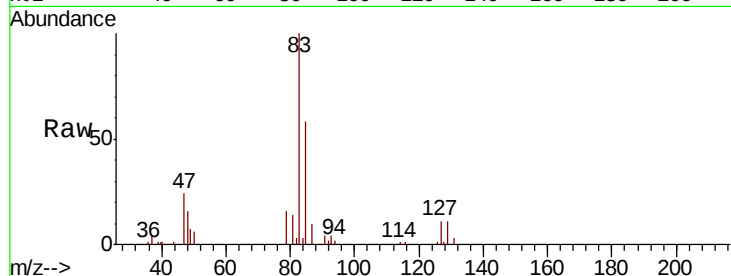
Tot Ion: 83 Resp: 45721

Ion Ratio Lower Upper

83 100

85 57.7 50.7 76.1

127 10.5 8.0 12.0



#48

Methyl methacrylate

Concen: 22.39 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

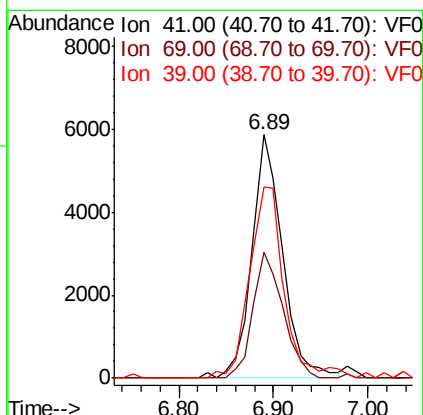
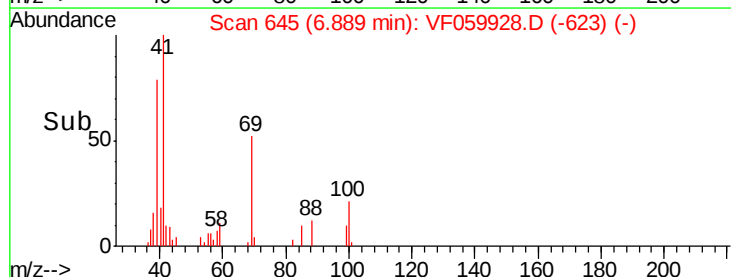
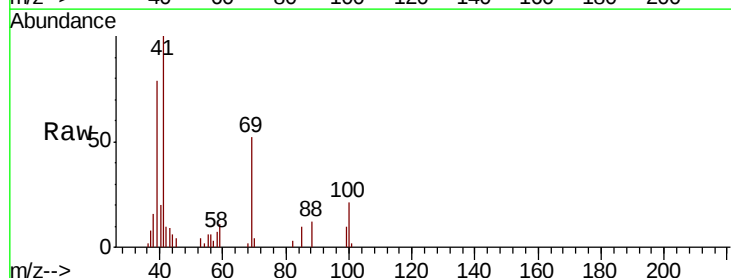
Tgt Ion: 41 Resp: 13265

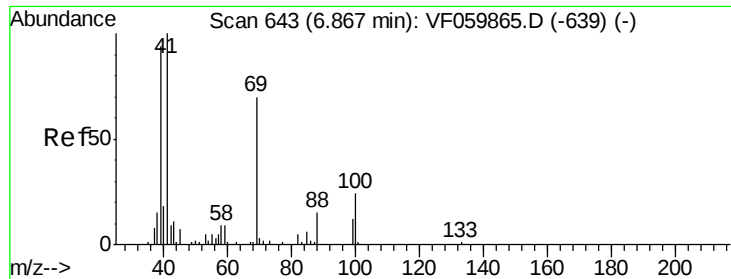
Ion Ratio Lower Upper

41 100

69 51.5 44.4 66.6

39 78.7 70.6 106.0





#49

1,4-Dioxane

Concen: 528.73 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.03 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

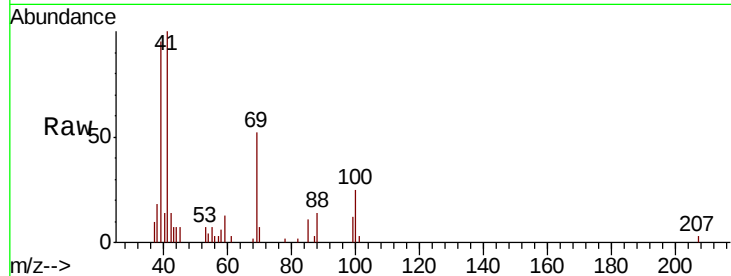
Tot Ion: 88 Resp: 2075

Ion Ratio Lower Upper

88 100

43 49.9 58.3 87.5#

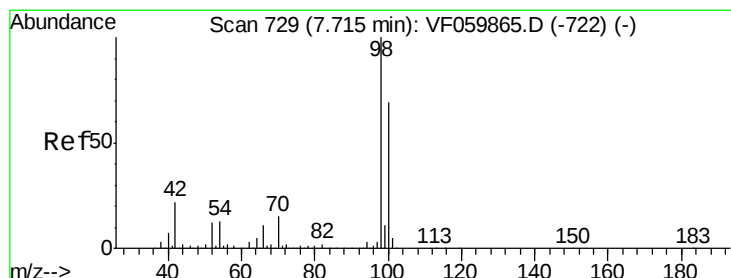
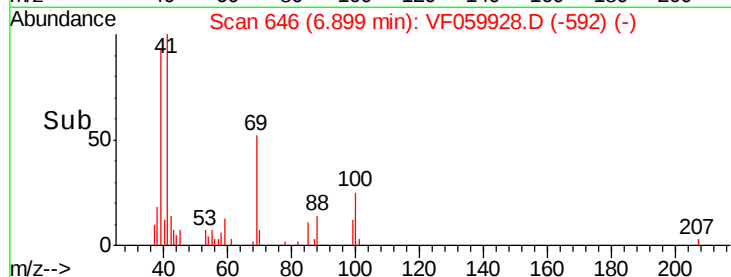
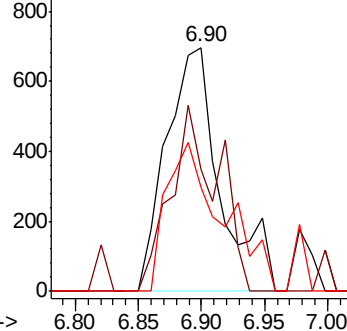
58 42.5 49.4 74.2#



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: 52.60 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF059928.D

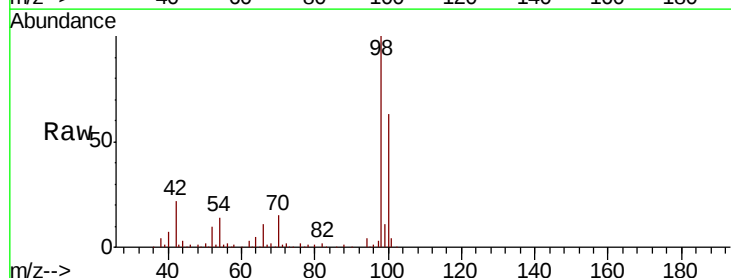
Acq: 8 Aug 2018 13:47

Tgt Ion: 98 Resp: 165816

Ion Ratio Lower Upper

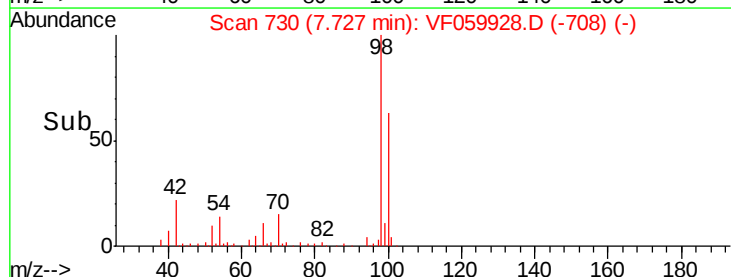
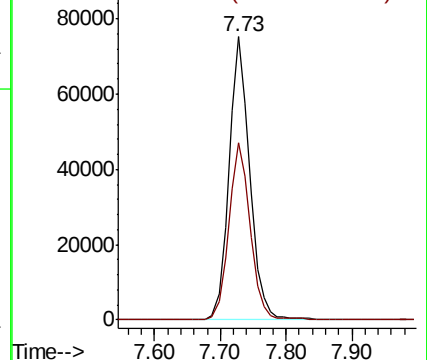
98 100

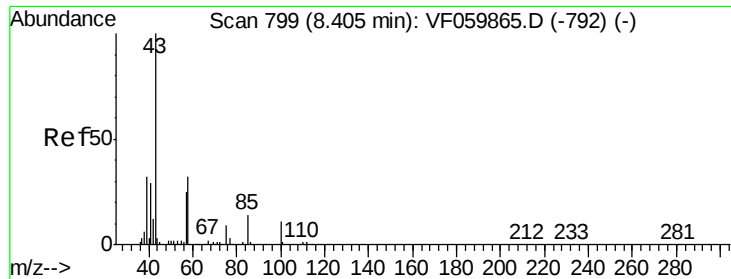
100 62.8 55.0 82.6



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: 115.46 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

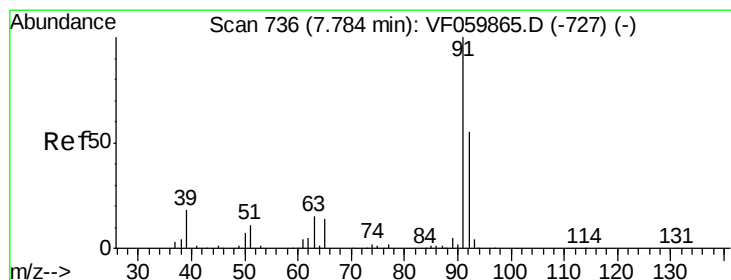
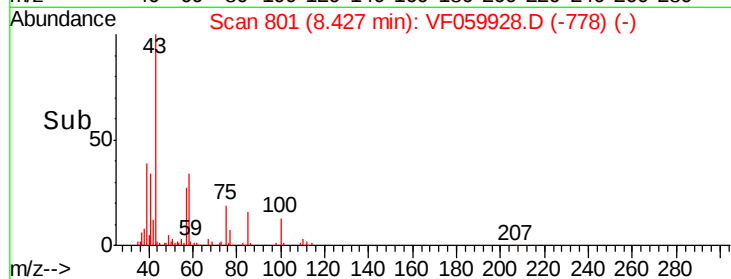
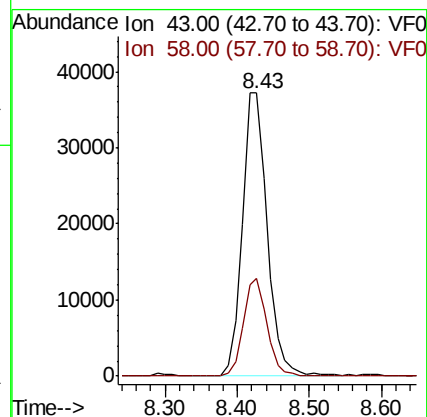
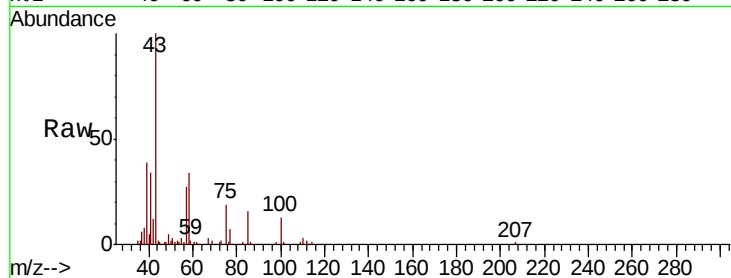
VF0808SBSD01

Tot Ion: 43 Resp: 89902

Ion Ratio Lower Upper

43 100

58 34.5 25.4 38.0



#52

Toluene

Concen: 21.34 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059928.D

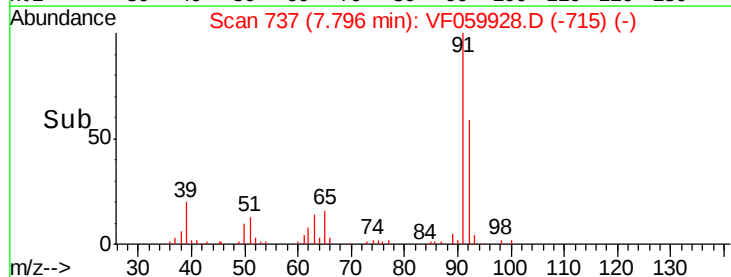
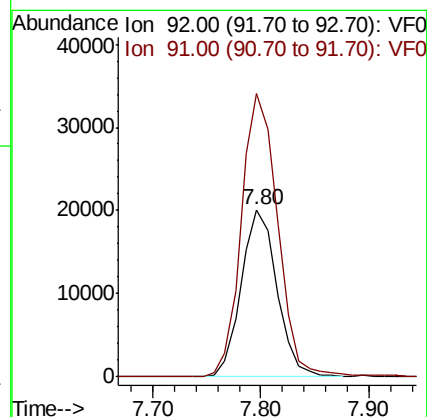
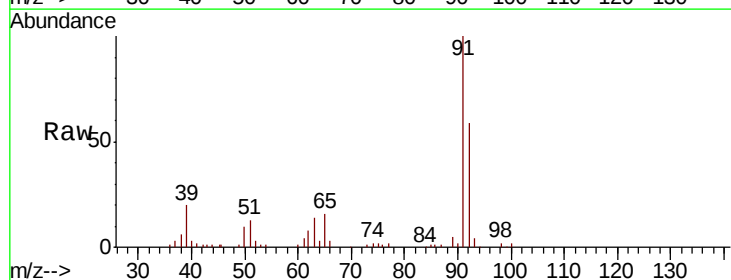
Acq: 8 Aug 2018 13:47

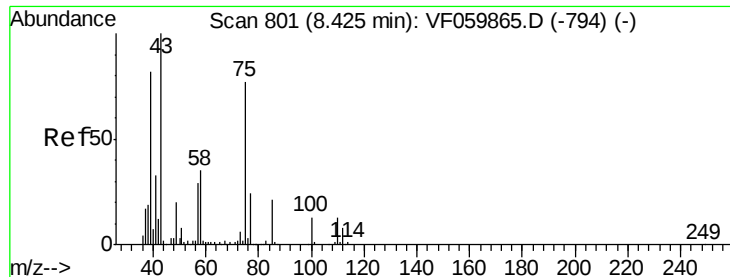
Tgt Ion: 92 Resp: 46434

Ion Ratio Lower Upper

92 100

91 169.2 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 22.11 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

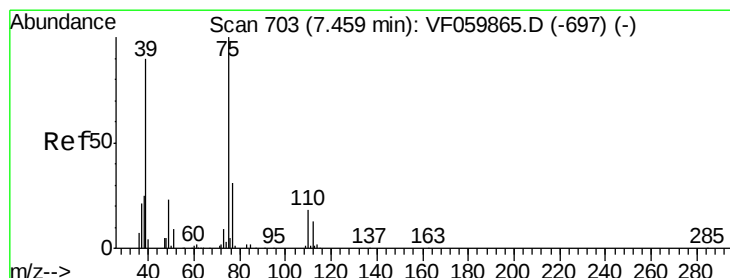
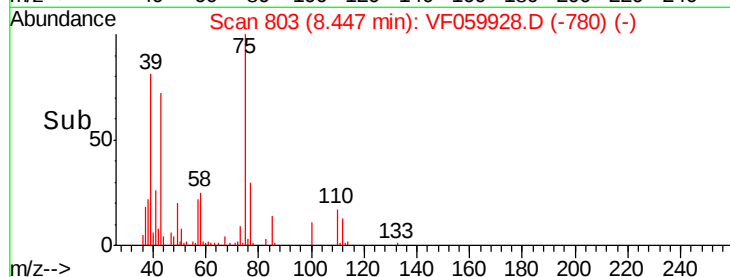
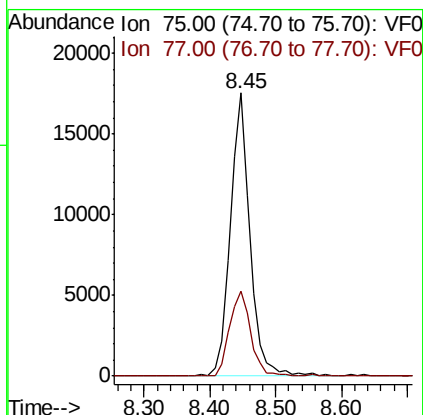
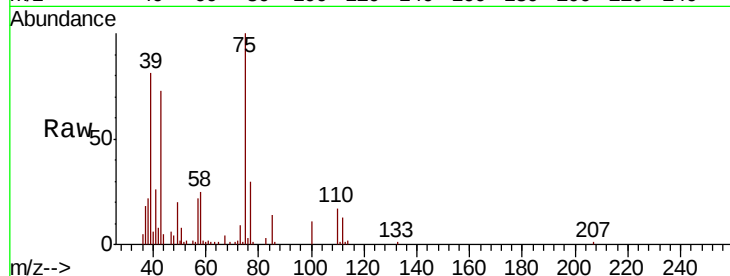
VF0808SBS01

Tot Ion: 75 Resp: 36682

Ion Ratio Lower Upper

75 100

77 30.1 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.11 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

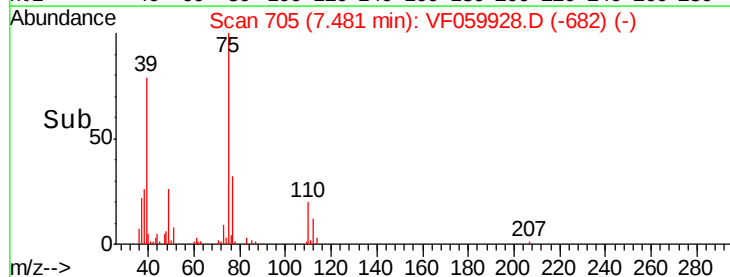
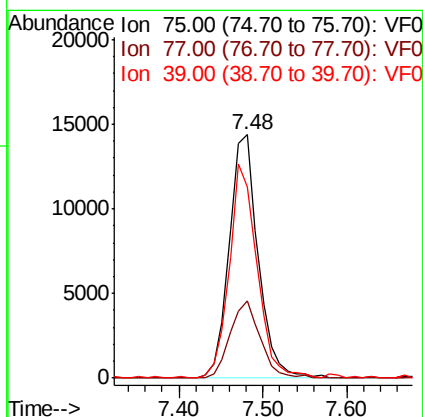
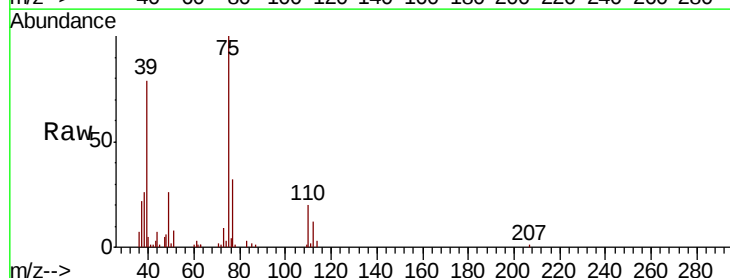
Tgt Ion: 75 Resp: 34446

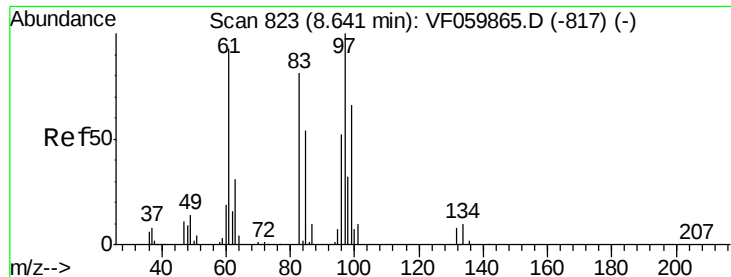
Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

39 78.6 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 20.89 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 97 Resp: 16359

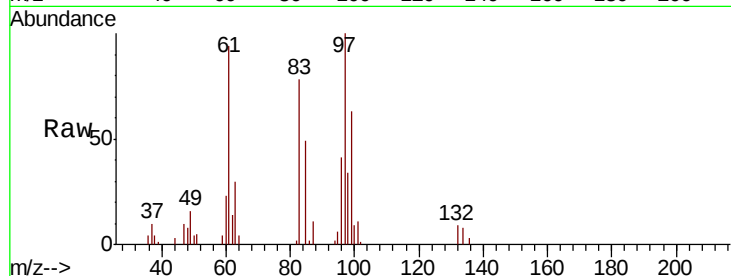
Ion Ratio Lower Upper

97 100

83 78.1 64.4 96.6

85 49.3 43.1 64.7

99 63.1 52.7 79.1

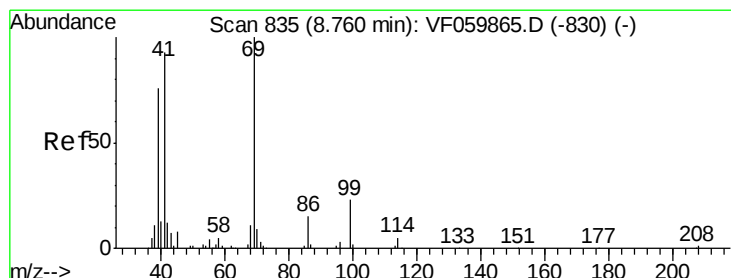
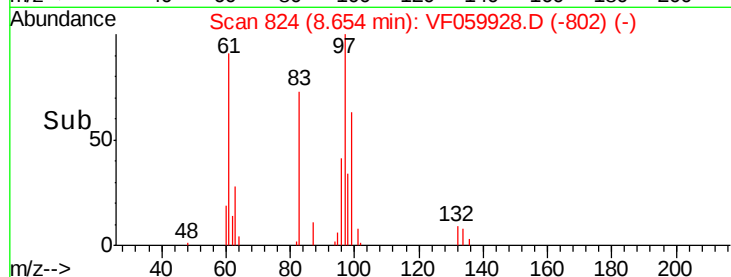
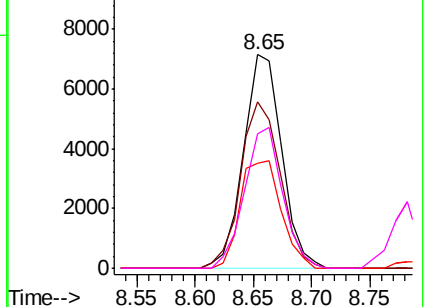


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.54 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

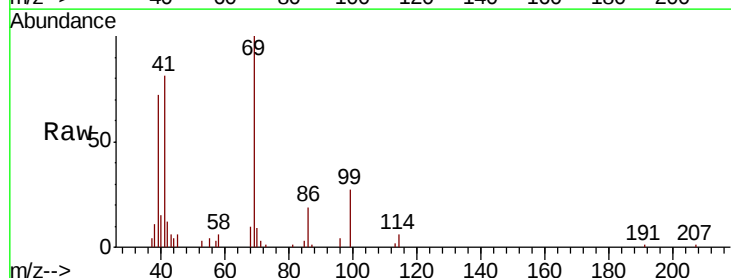
Tgt Ion: 69 Resp: 16738

Ion Ratio Lower Upper

69 100

41 81.1 74.7 112.1

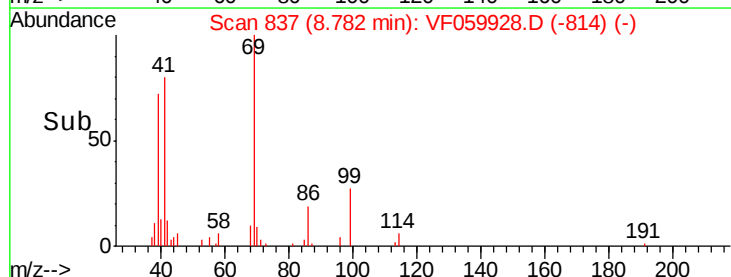
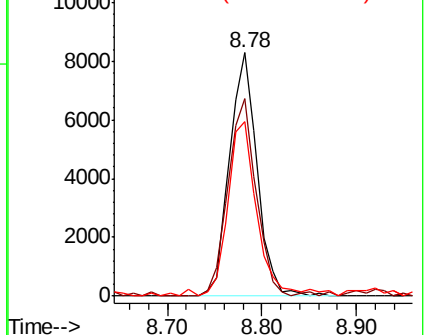
39 71.9 61.1 91.7

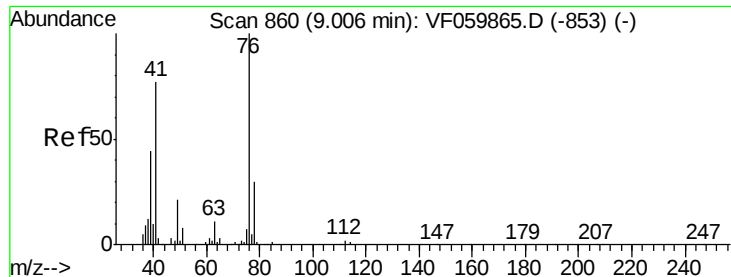


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.54 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

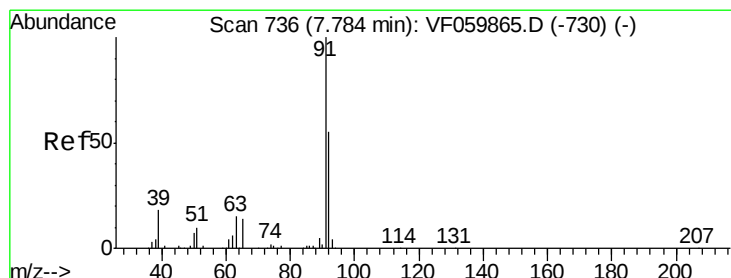
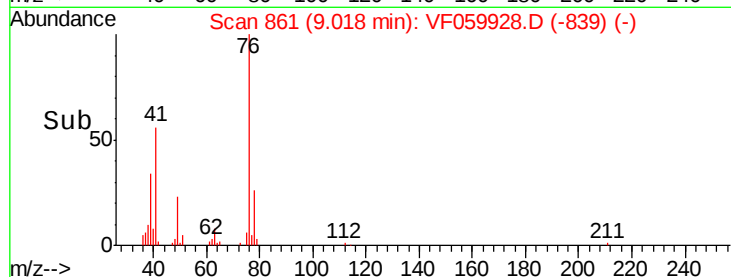
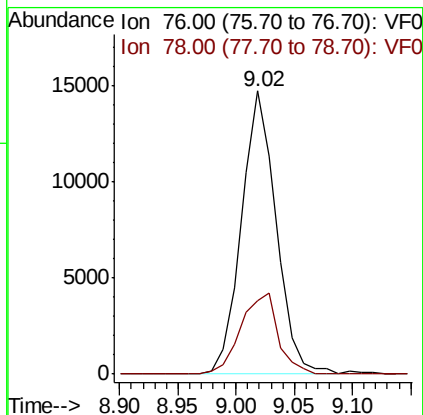
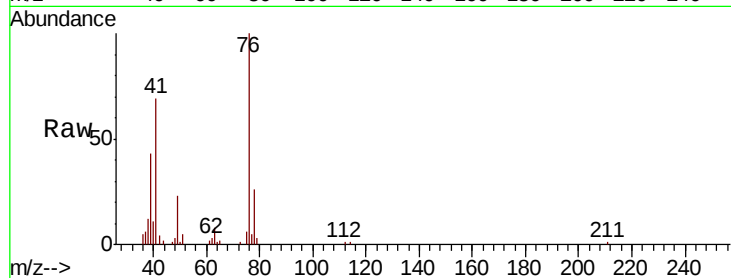
VF0808SBSD01

Tot Ion: 76 Resp: 30304

Ion Ratio Lower Upper

76 100

78 26.0 24.2 36.2



#58

2-Chloroethyl Vinyl ether

Concen: 108.41 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059928.D

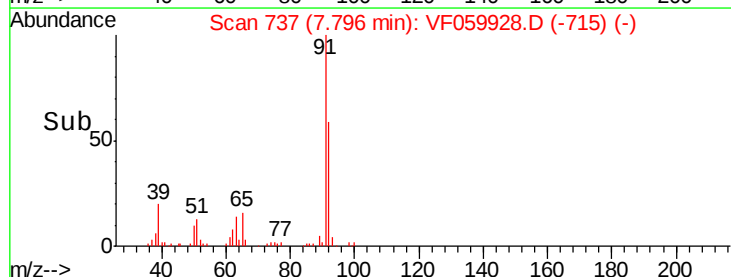
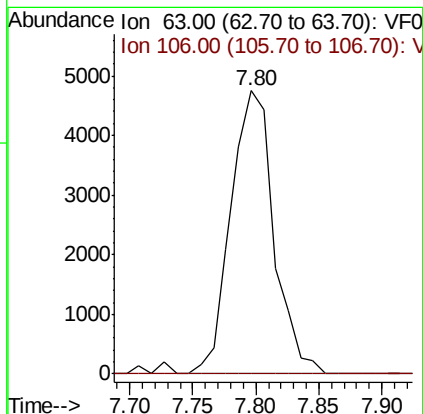
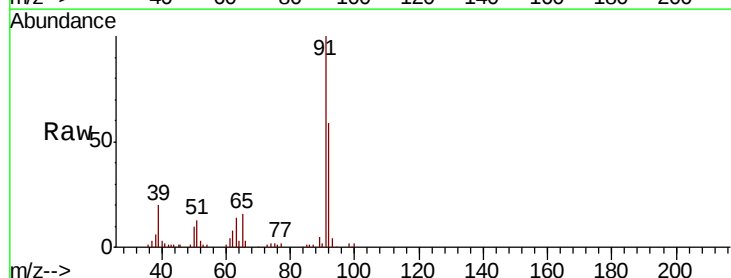
Acq: 8 Aug 2018 13:47

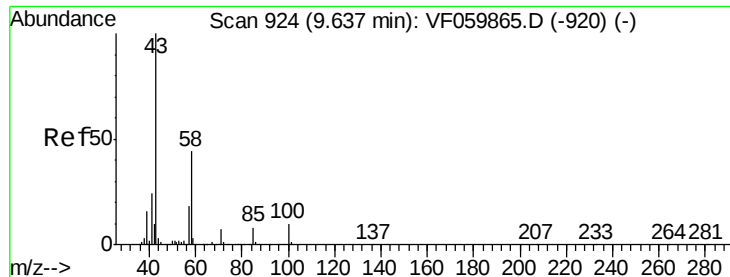
Tgt Ion: 63 Resp: 11232

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

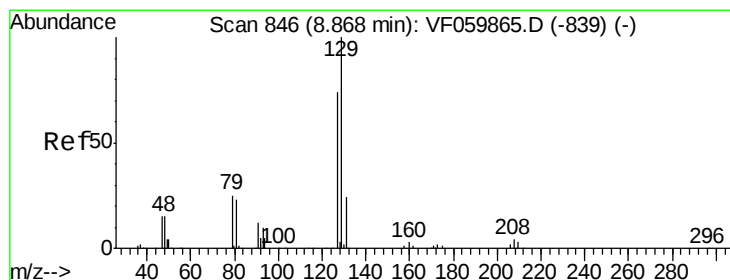
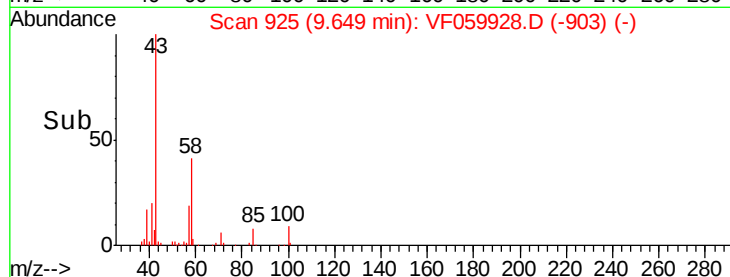
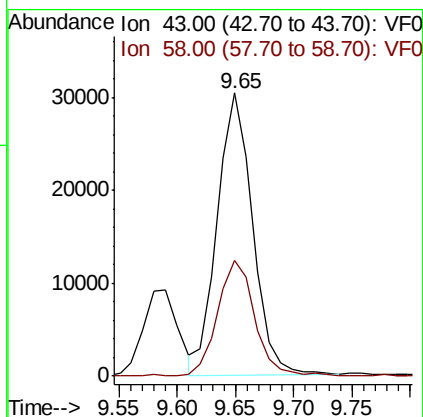
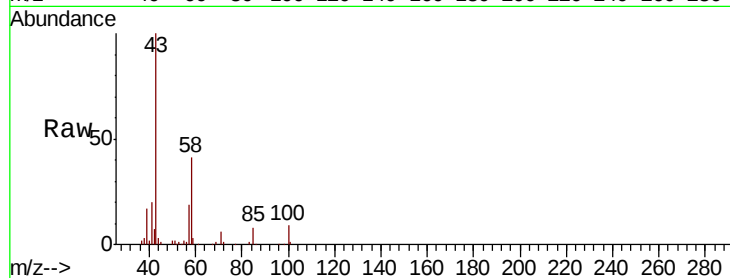




#59
2-Hexanone
Concen: 115.87 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

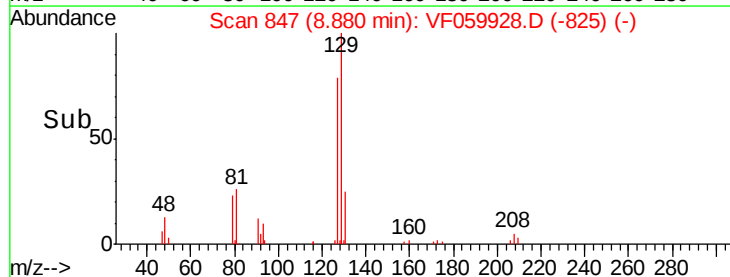
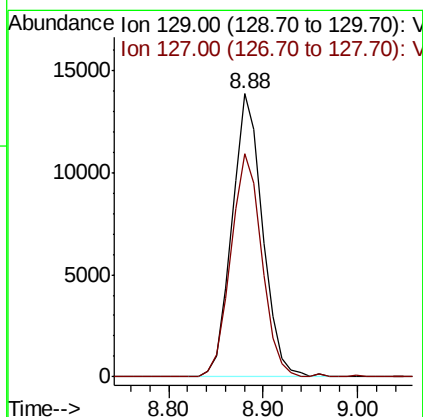
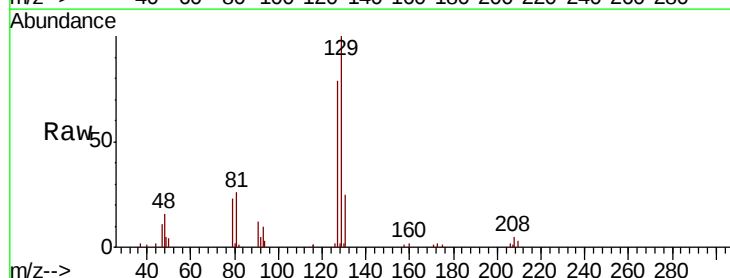
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

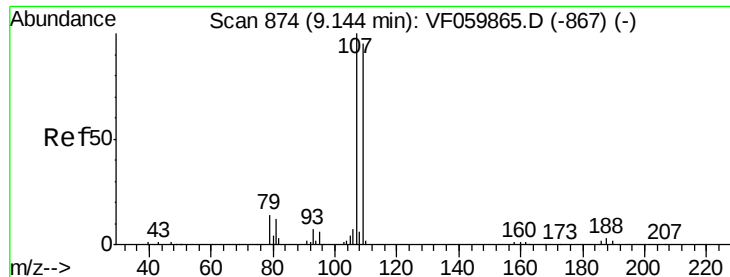
Tot Ion: 43 Resp: 63733
Ion Ratio Lower Upper
43 100
58 40.9 20.8 62.2



#60
Dibromochloromethane
Concen: 21.01 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 129 Resp: 30873
Ion Ratio Lower Upper
129 100
127 79.1 36.9 110.7





#61

1,2-Dibromoethane

Concen: 22.36 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

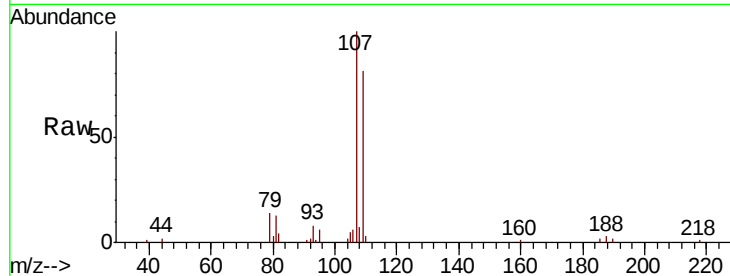
VF0808SBSD01

Tot Ion:107 Resp: 21332

Ion Ratio Lower Upper

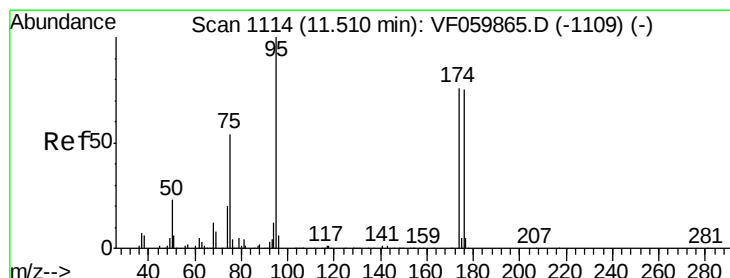
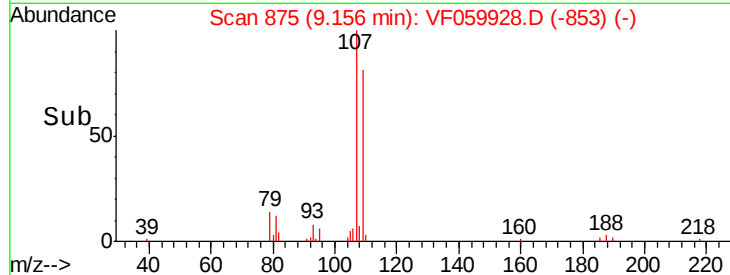
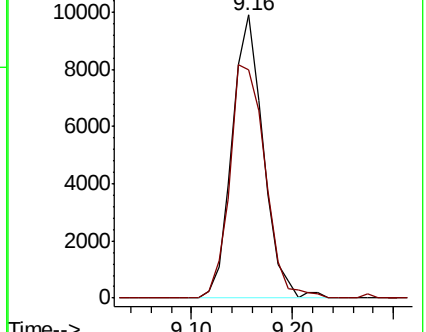
107 100

109 80.9 75.8 113.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.75 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

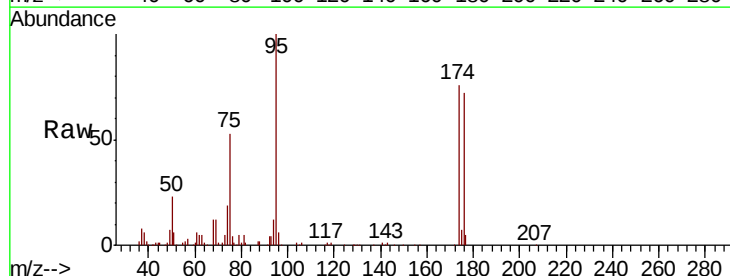
Tgt Ion: 95 Resp: 96981

Ion Ratio Lower Upper

95 100

174 76.4 0.0 151.6

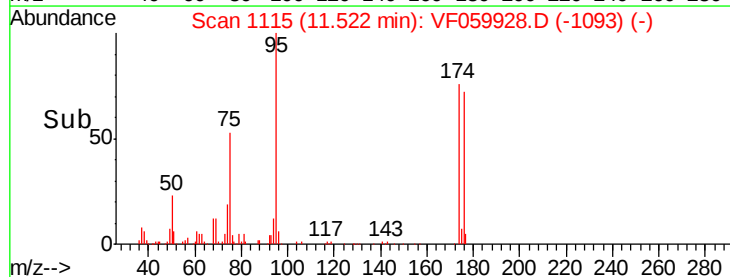
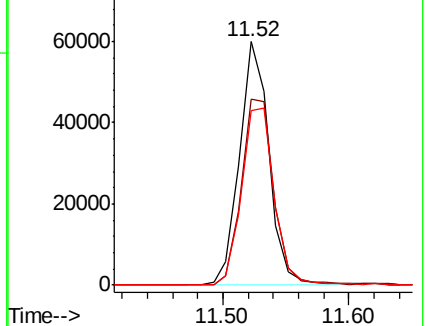
176 71.5 0.0 149.8

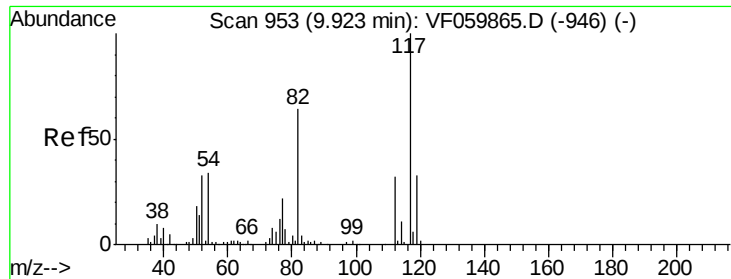


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

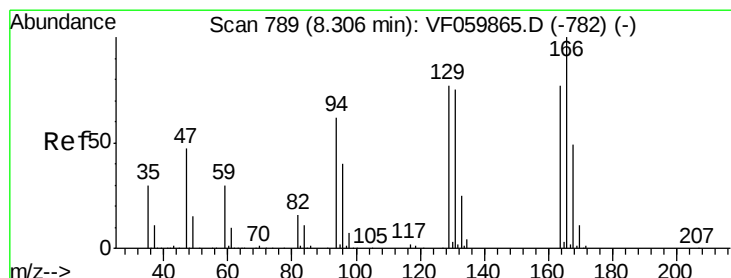
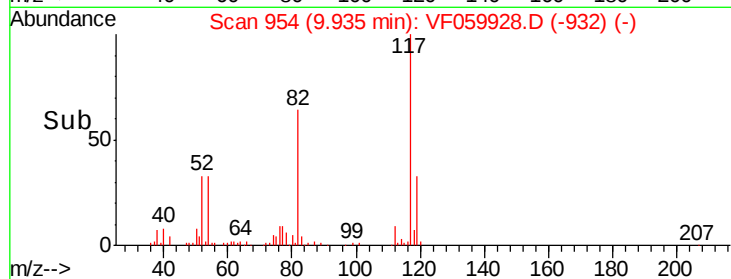
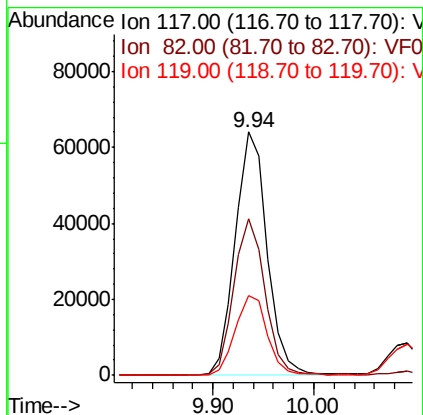
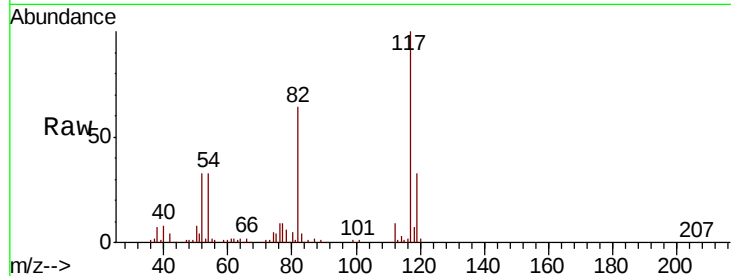




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

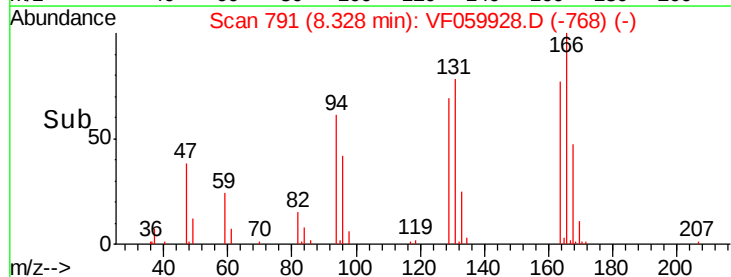
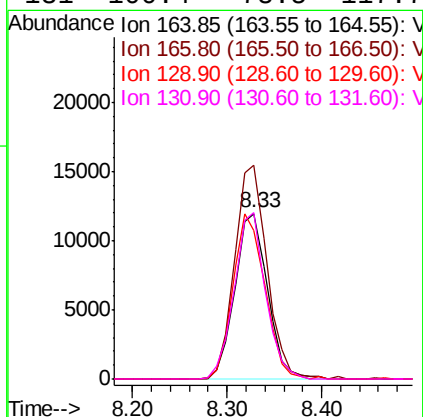
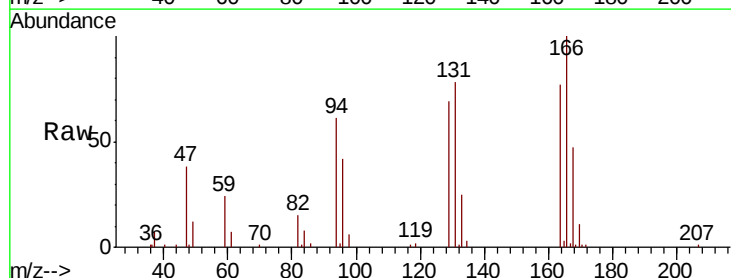
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

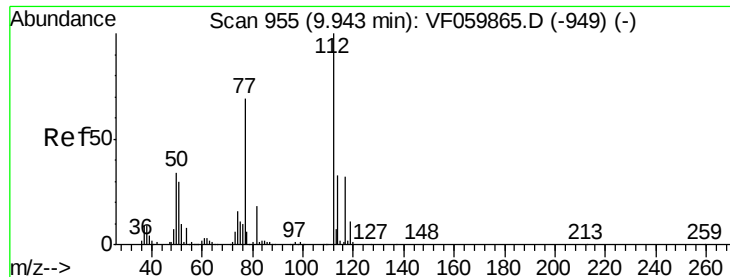
Tot Ion:117 Resp: 141383
Ion Ratio Lower Upper
117 100
82 64.4 51.3 76.9
119 32.5 26.4 39.6



#64
Tetrachloroethene
Concen: 23.54 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion:164 Resp: 28712
Ion Ratio Lower Upper
164 100
166 129.0 104.4 156.6
129 89.4 80.3 120.5
131 100.4 78.5 117.7





#65

Chlorobenzene

Concen: 21.62 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

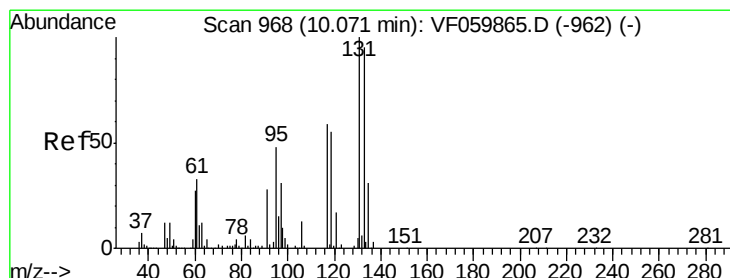
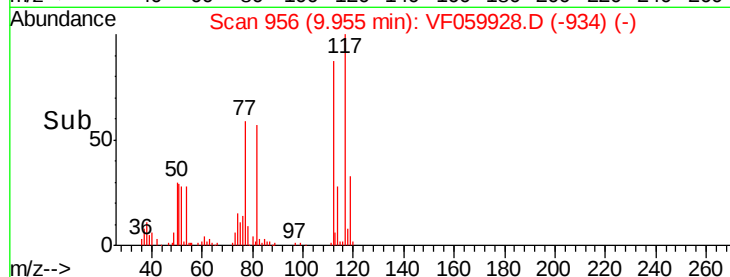
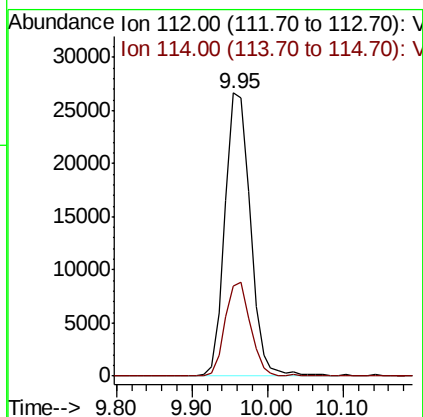
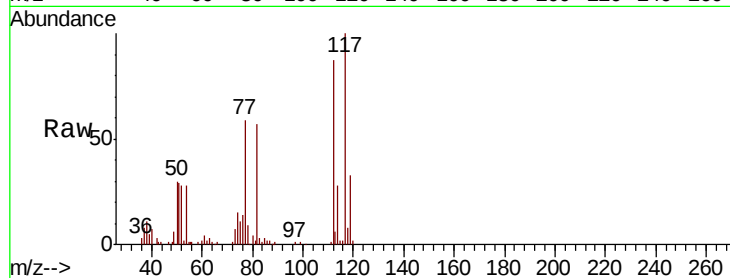
VF0808SBSD01

Tot Ion:112 Resp: 62030

Ion Ratio Lower Upper

112 100

114 31.7 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.64 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

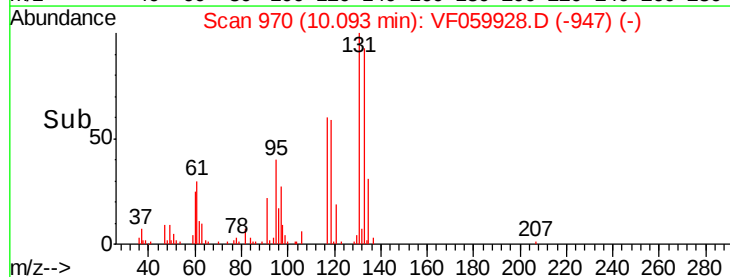
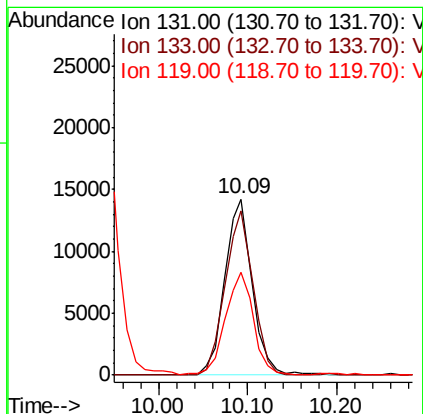
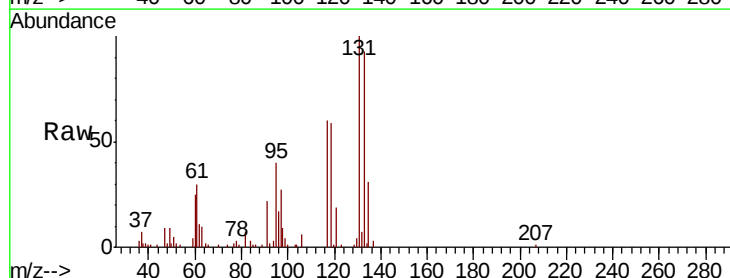
Tgt Ion:131 Resp: 30890

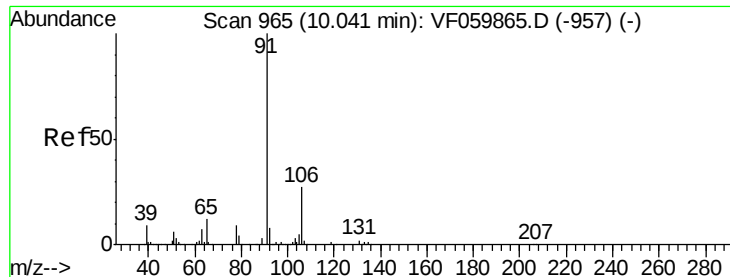
Ion Ratio Lower Upper

131 100

133 93.4 47.4 142.2

119 58.7 27.7 83.1





#67

Ethyl Benzene

Concen: 23.08 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

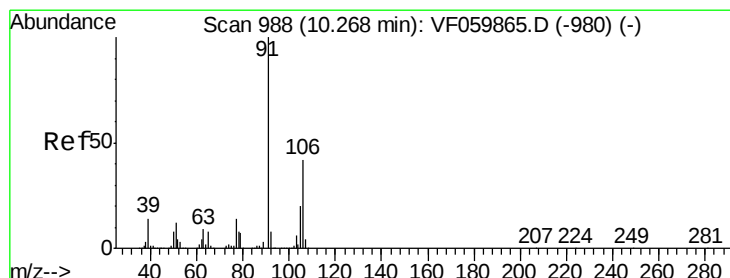
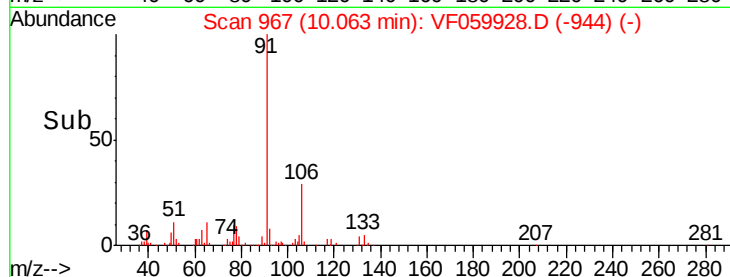
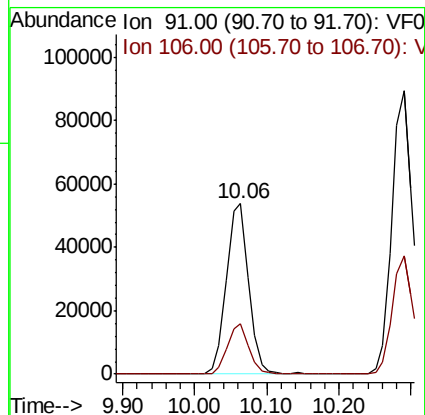
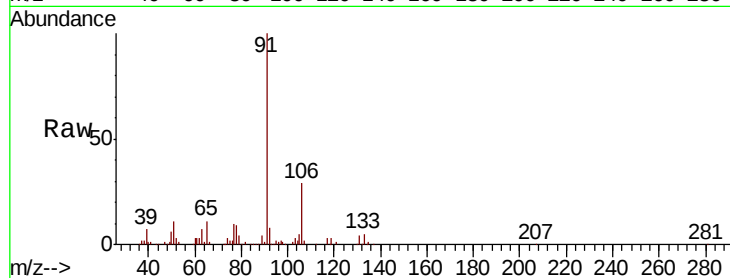
VF0808SBSD01

Tot Ion: 91 Resp: 115365

Ion Ratio Lower Upper

91 100

106 29.3 21.5 32.3



#68

m/p-Xylenes

Concen: 43.94 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF059928.D

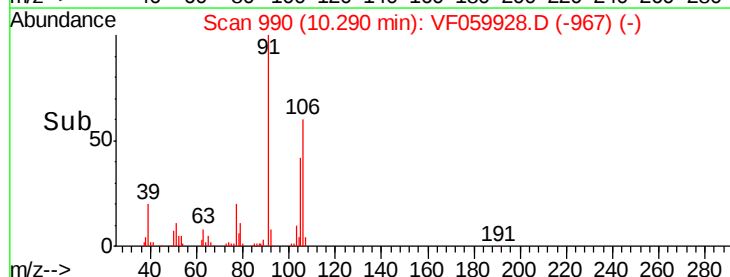
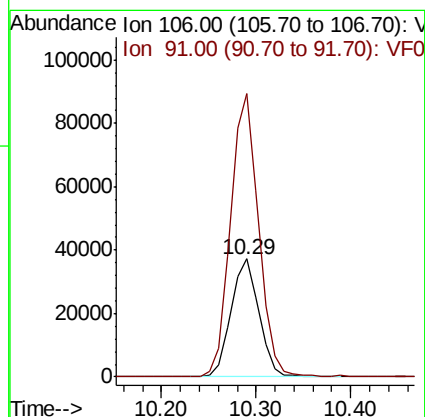
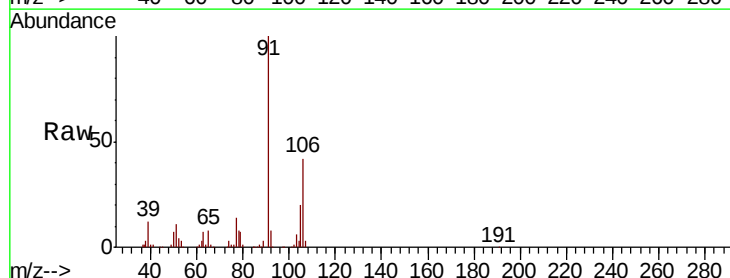
Acq: 8 Aug 2018 13:47

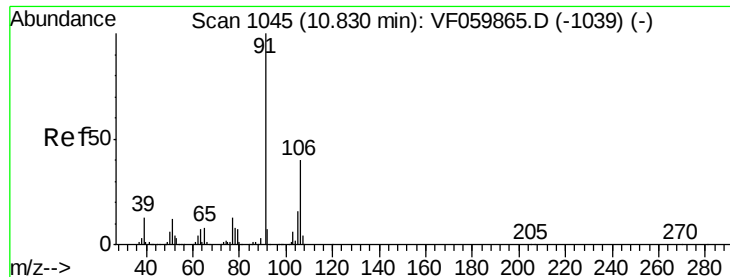
Tgt Ion:106 Resp: 75941

Ion Ratio Lower Upper

106 100

91 239.6 192.1 288.1

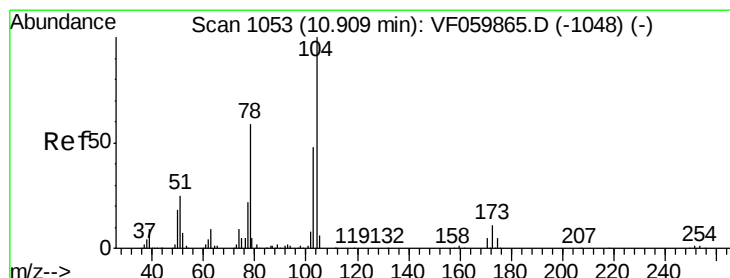
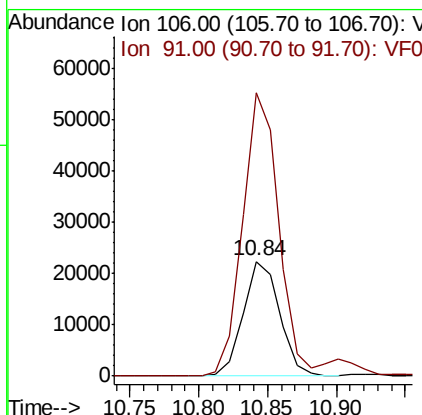
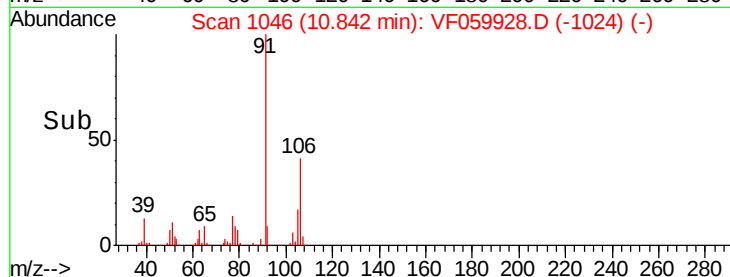
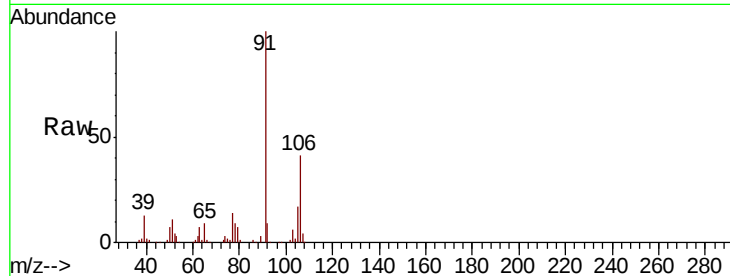




#69
o-Xylene
Concen: 22.75 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

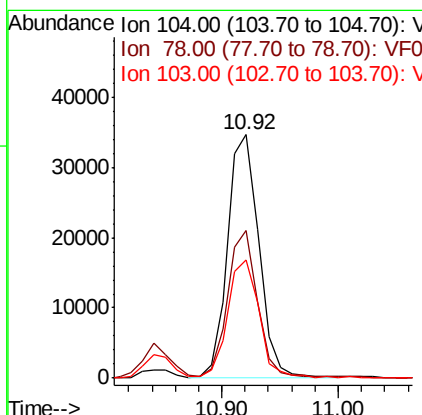
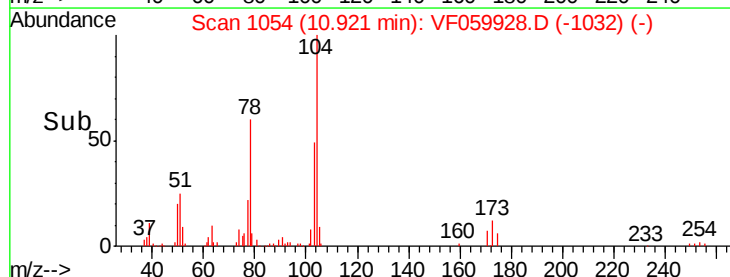
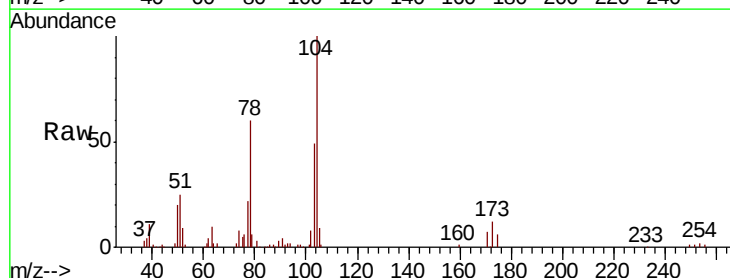
Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

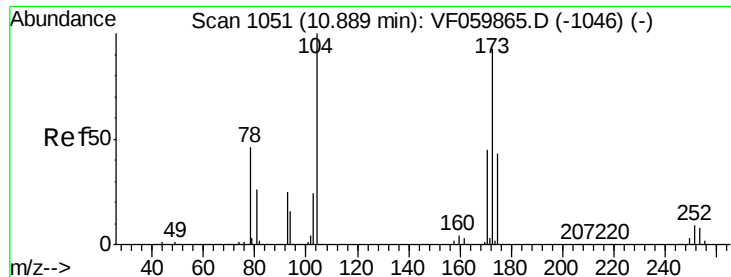
Tot Ion:106 Resp: 41651
Ion Ratio Lower Upper
106 100
91 246.6 125.4 376.2



#70
Styrene
Concen: 23.83 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion:104 Resp: 65113
Ion Ratio Lower Upper
104 100
78 60.4 47.3 70.9
103 48.5 39.0 58.4





#71

Bromoform

Concen: 22.87 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

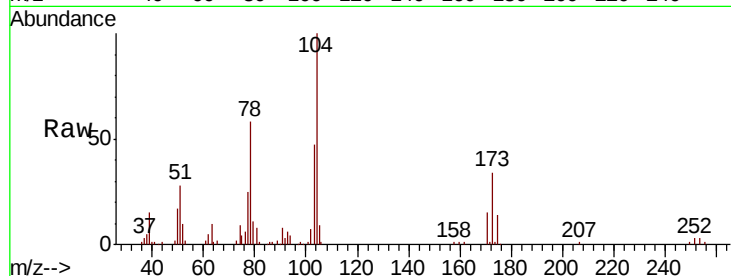
Tot Ion:173 Resp: 20008

Ion Ratio Lower Upper

173 100

175 40.3 23.4 70.2

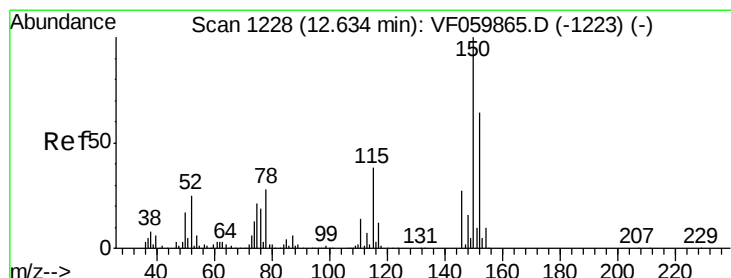
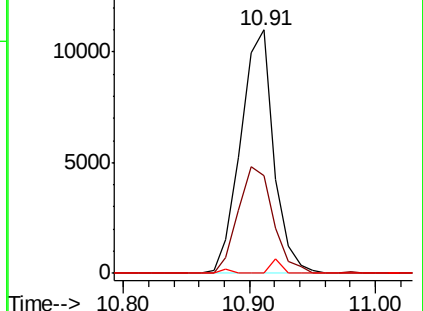
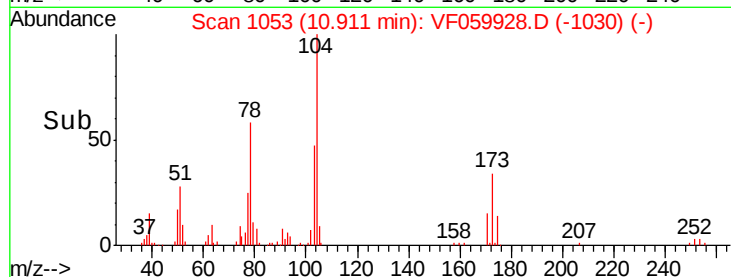
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

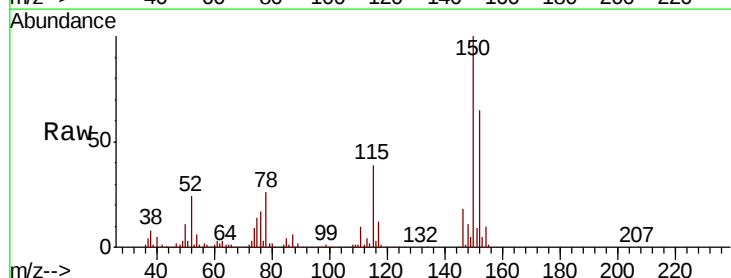
Tgt Ion:152 Resp: 97194

Ion Ratio Lower Upper

152 100

115 60.8 29.8 89.4

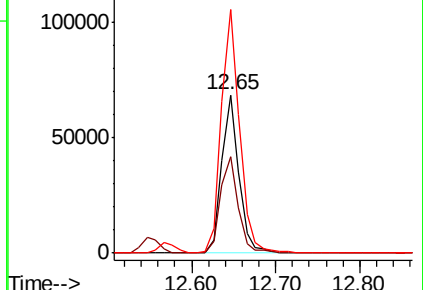
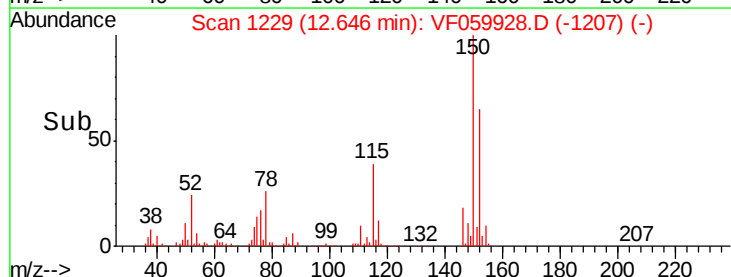
150 154.1 0.0 315.6

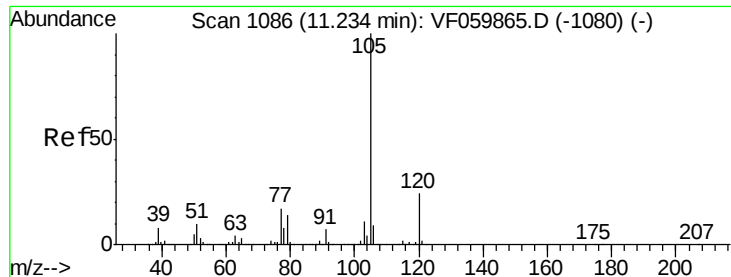


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.92 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

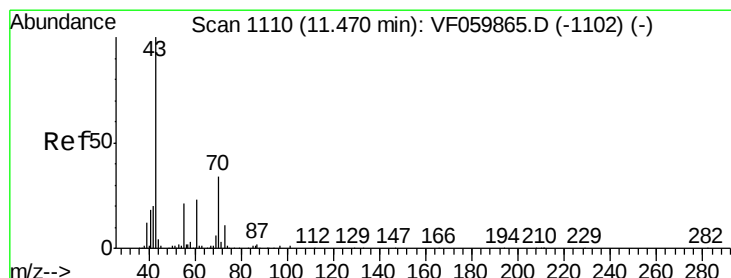
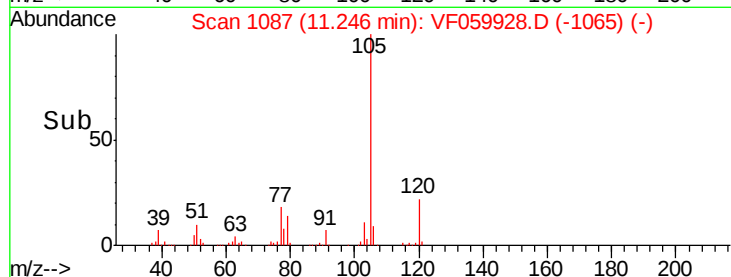
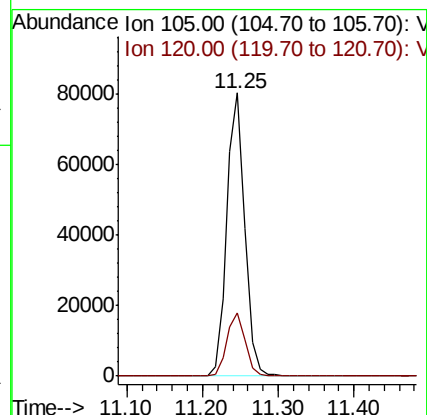
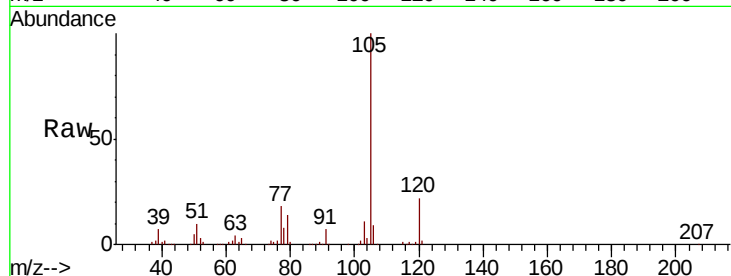
VF0808SBSD01

Tot Ion:105 Resp: 132696

Ion Ratio Lower Upper

105 100

120 22.3 12.1 36.3



#74

N-ethyl acetate

Concen: 20.29 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion: 43 Resp: 27596

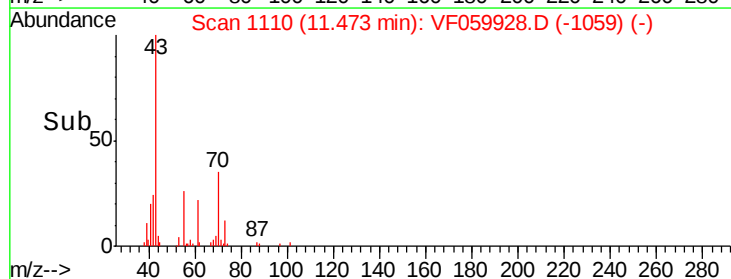
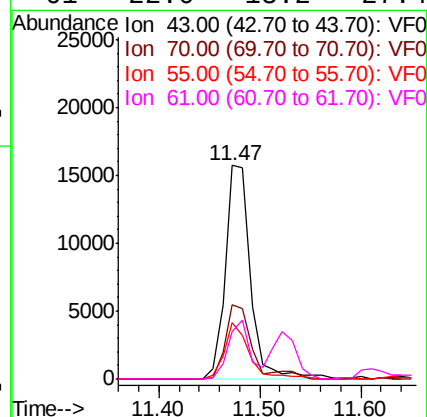
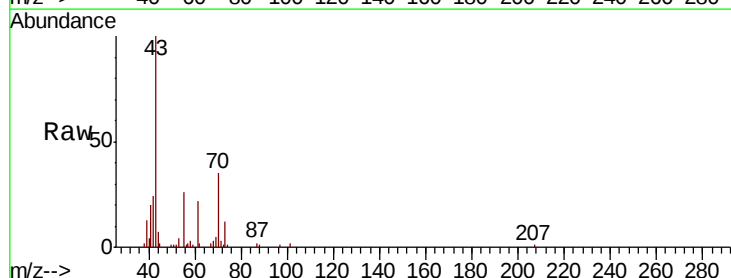
Ion Ratio Lower Upper

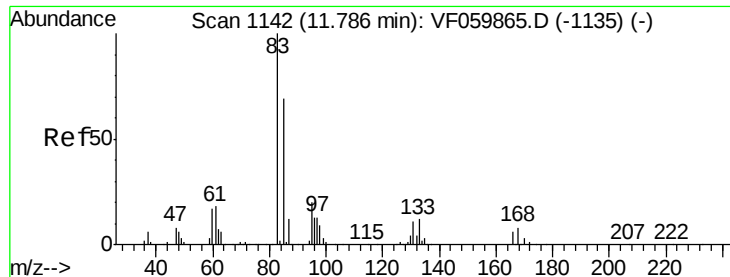
43 100

70 34.9 27.5 41.3

55 26.2 16.6 25.0#

61 22.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.96 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

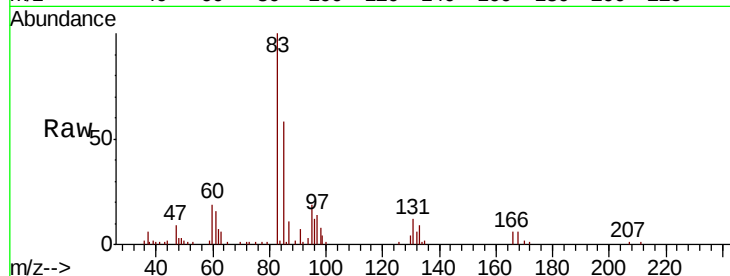
Tot Ion: 83 Resp: 24963

Ion Ratio Lower Upper

83 100

131 11.8 5.3 15.9

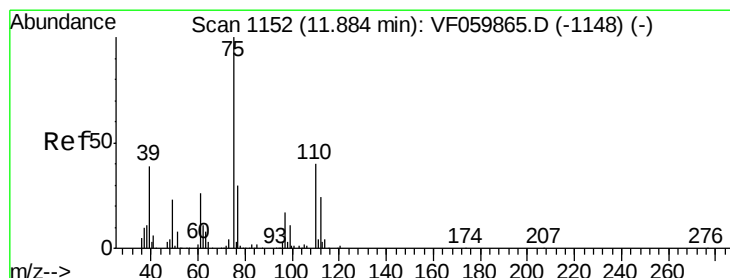
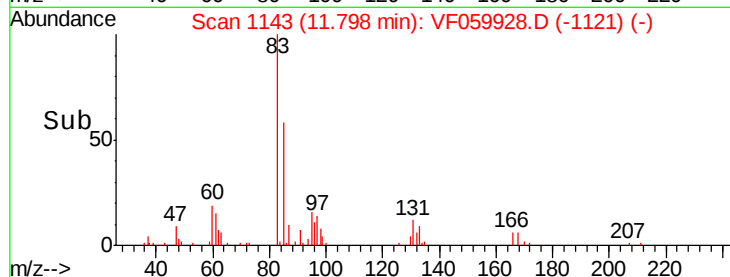
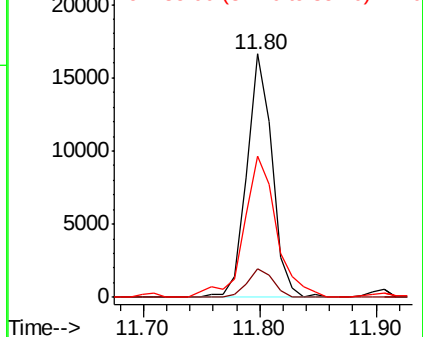
85 58.1 34.5 103.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.59 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059928.D

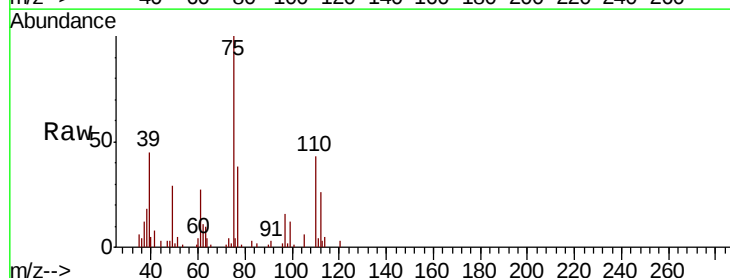
Acq: 8 Aug 2018 13:47

Tgt Ion: 75 Resp: 20104

Ion Ratio Lower Upper

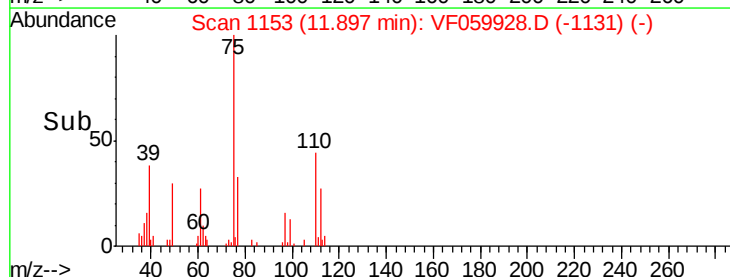
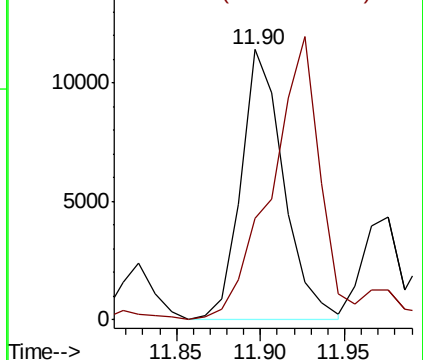
75 100

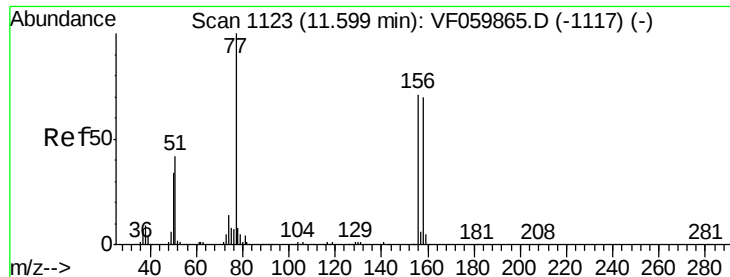
77 37.7 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.15 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

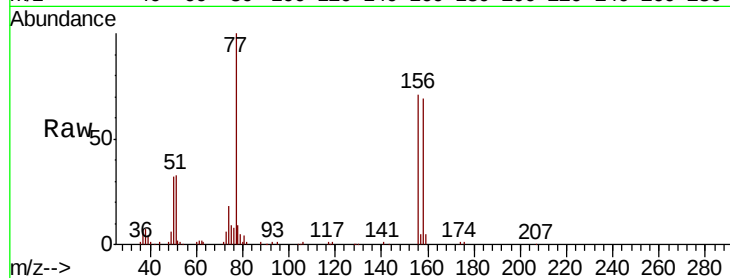
Tot Ion:156 Resp: 36473

Ion Ratio Lower Upper

156 100

77 141.4 70.2 210.6

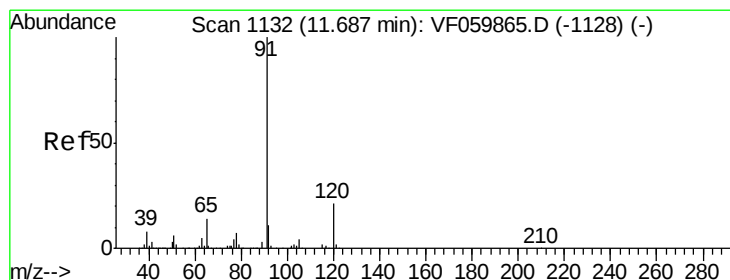
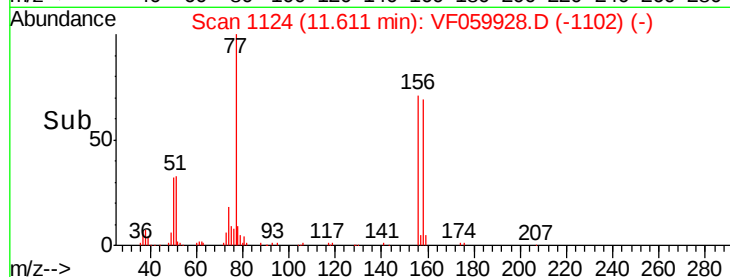
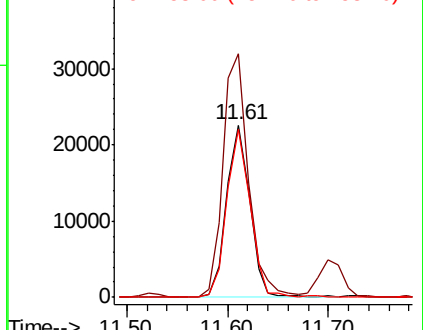
158 97.3 49.2 147.6



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: 22.32 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059928.D

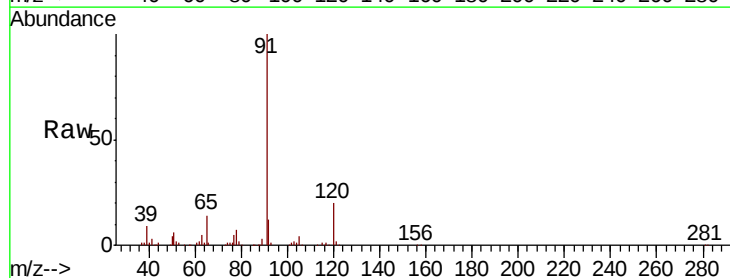
Acq: 8 Aug 2018 13:47

Tgt Ion: 91 Resp: 159540

Ion Ratio Lower Upper

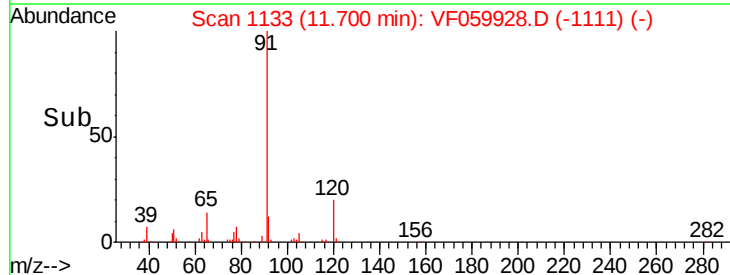
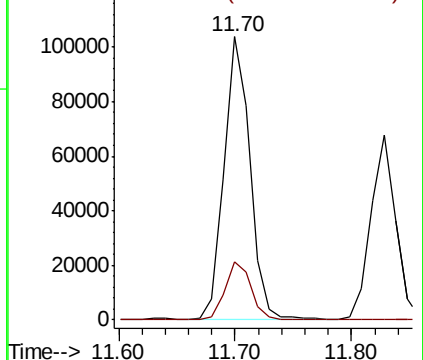
91 100

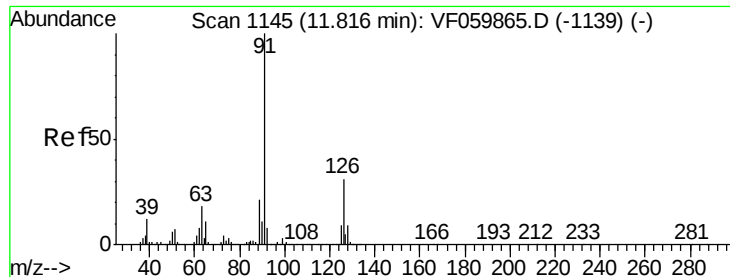
120 20.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

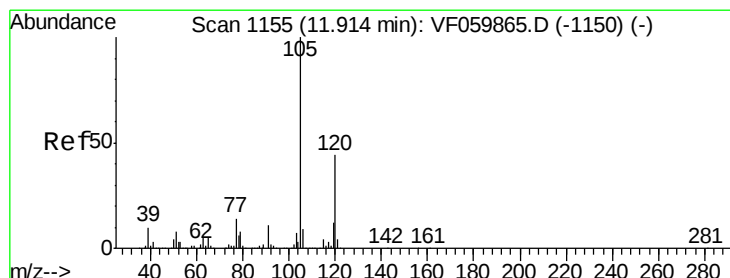
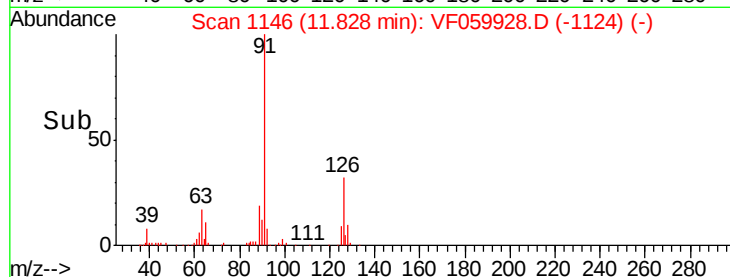
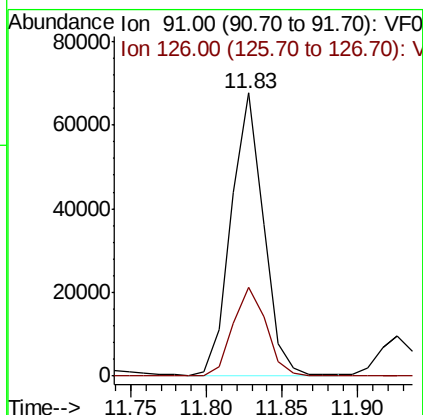
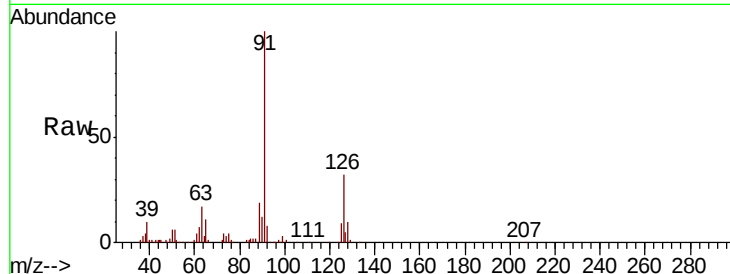




#79
 2-Chlorotoluene
 Concen: 22.16 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

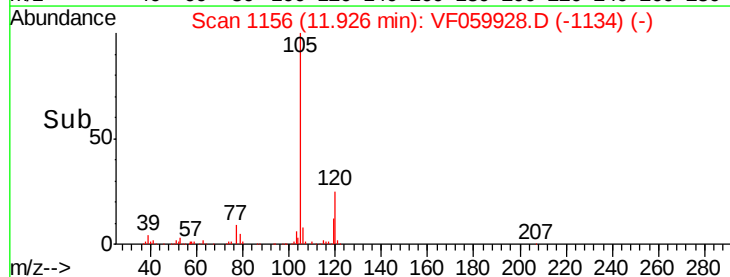
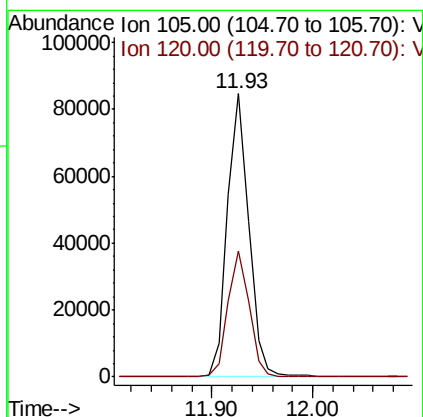
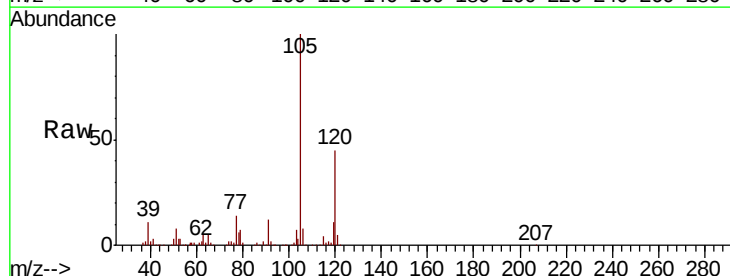
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

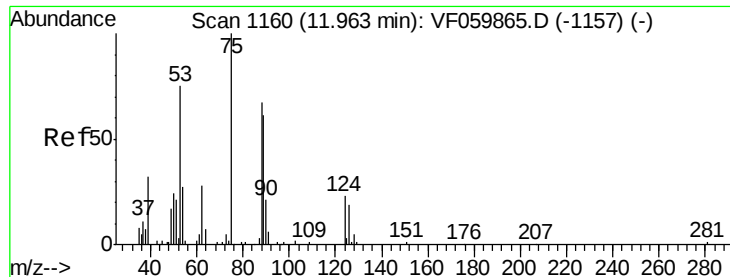
Tot Ion: 91 Resp: 100217
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 22.37 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion: 105 Resp: 125735
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 30.22 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

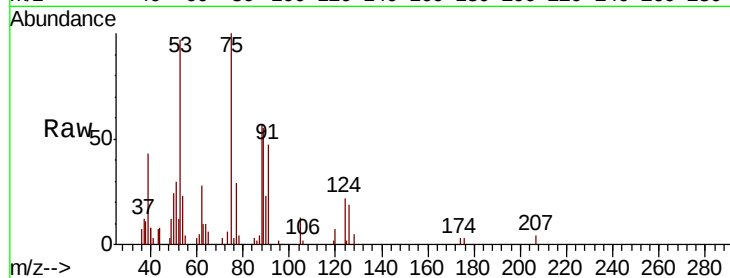
Tot Ion: 75 Resp: 10596

Ion Ratio Lower Upper

75 100

53 96.8 65.9 98.9

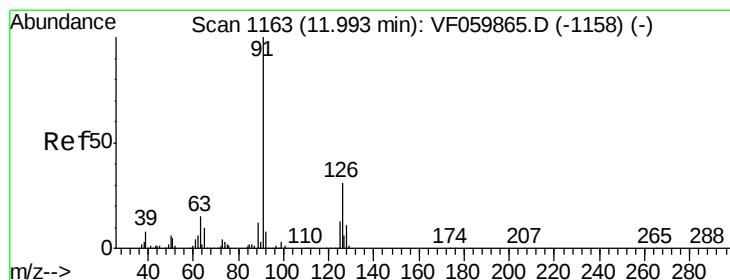
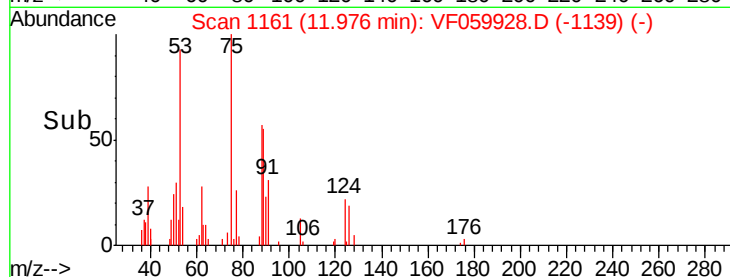
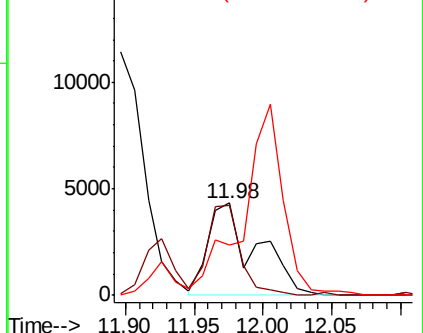
89 54.6 50.6 76.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.91 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VF059928.D

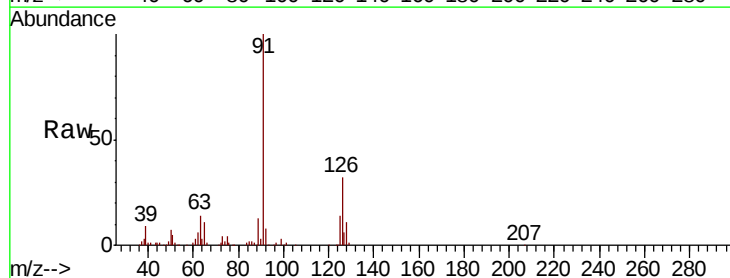
Acq: 8 Aug 2018 13:47

Tgt Ion: 91 Resp: 107597

Ion Ratio Lower Upper

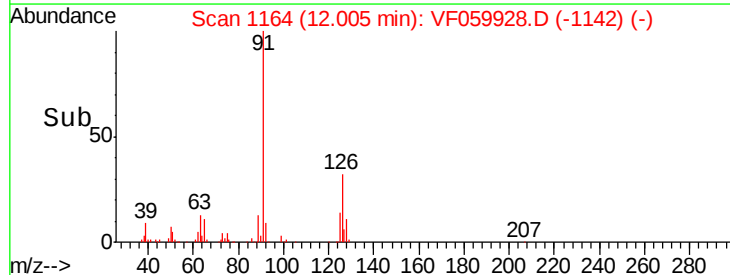
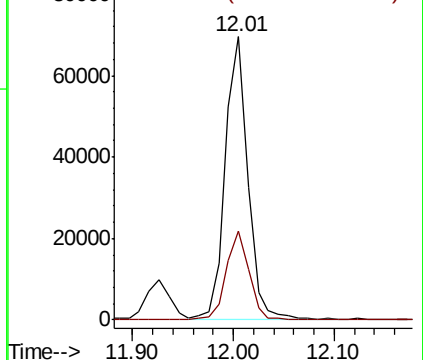
91 100

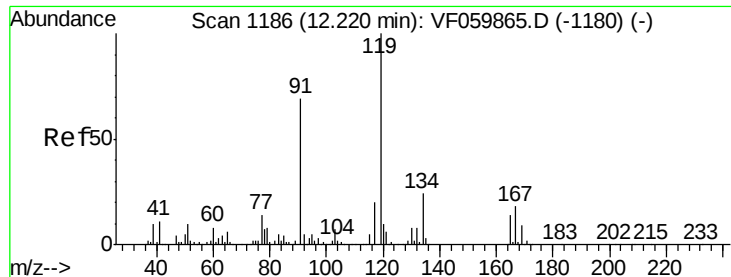
126 31.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

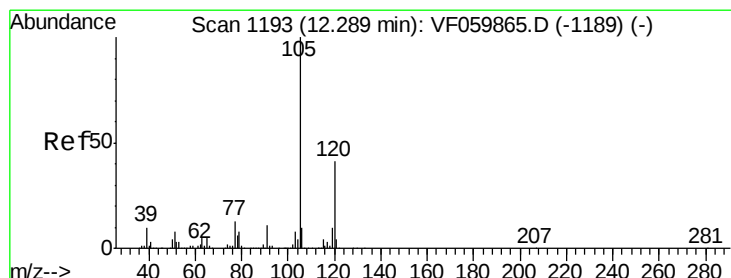
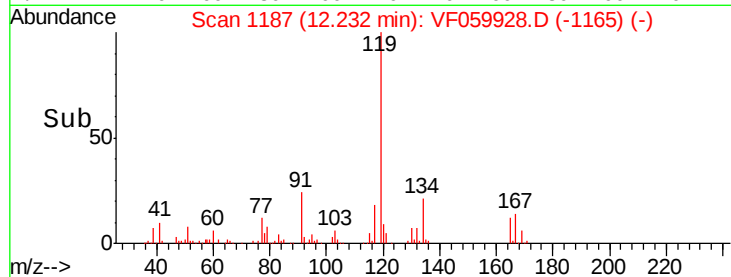
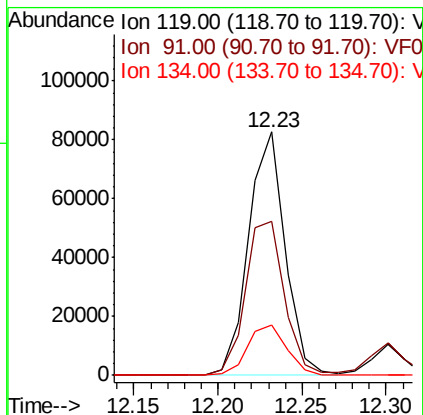
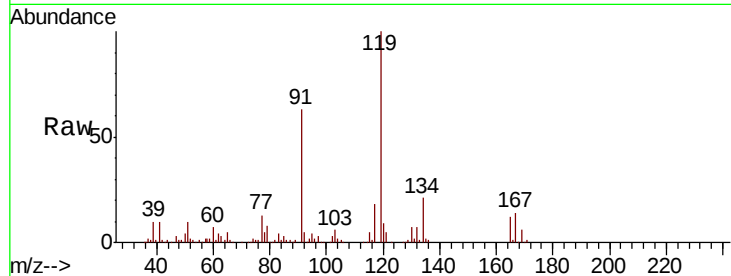




#83
 tert-Butylbenzene
 Concen: 22.79 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

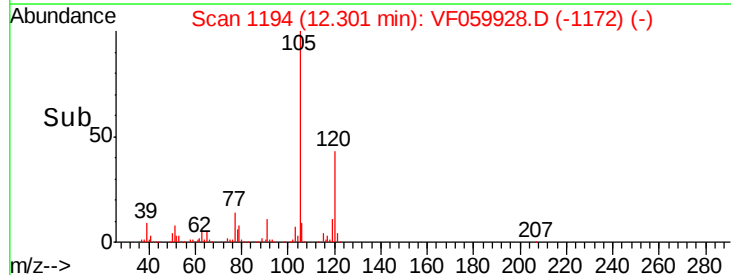
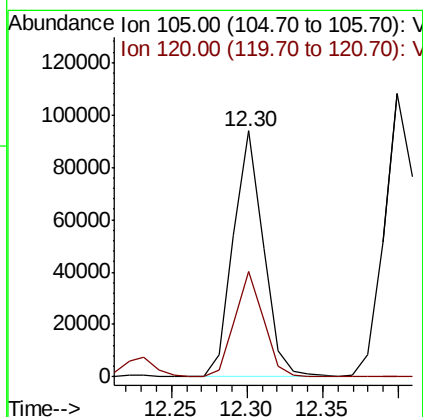
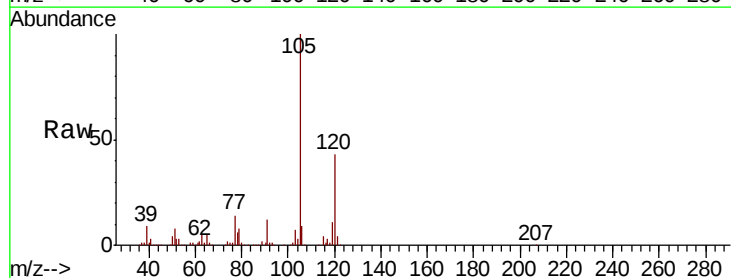
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

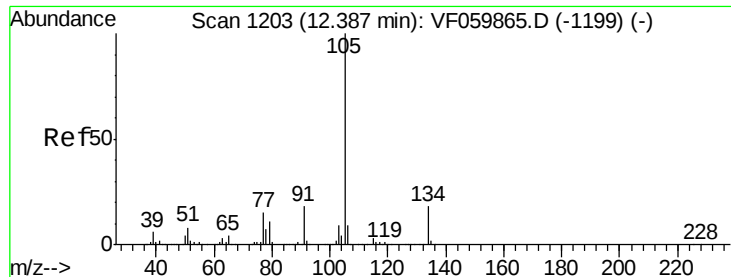
Tot Ion:119 Resp: 124730
 Ion Ratio Lower Upper
 119 100
 91 63.3 34.4 103.2
 134 20.9 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.57 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion:105 Resp: 130472
 Ion Ratio Lower Upper
 105 100
 120 43.0 20.8 62.5

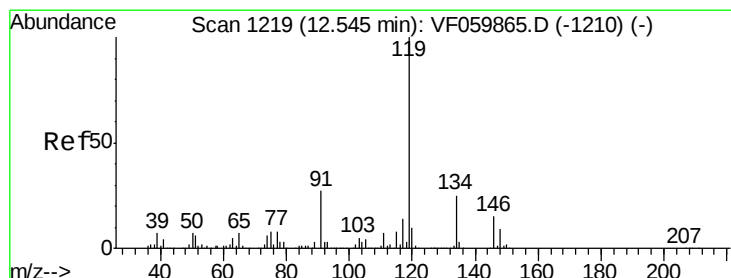
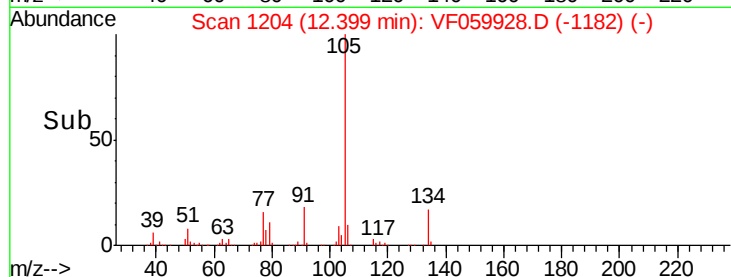
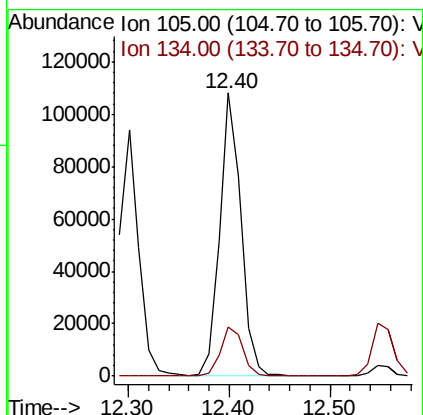
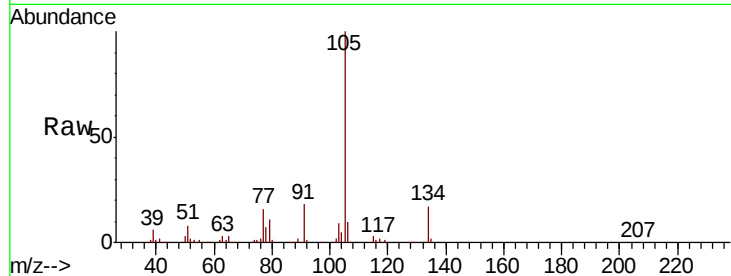




#85
 sec-Butylbenzene
 Concen: 21.94 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

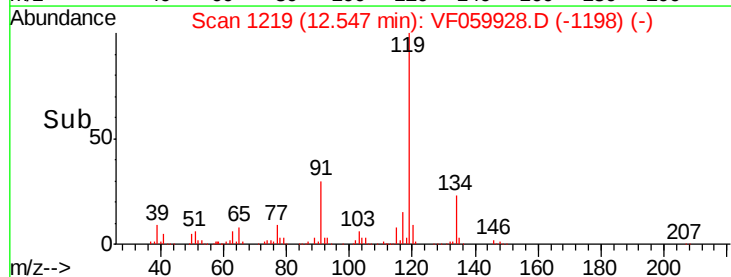
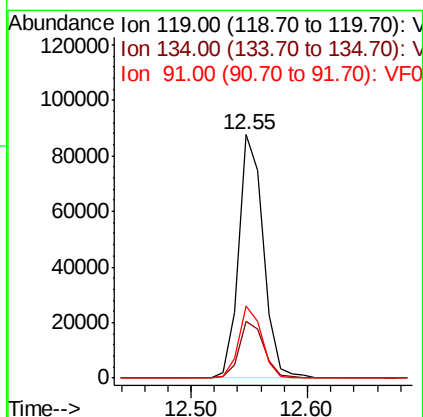
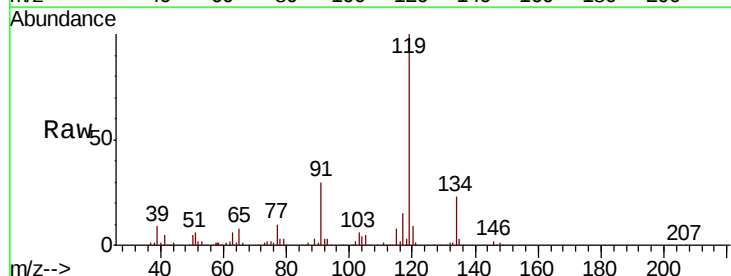
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0808SBSD01

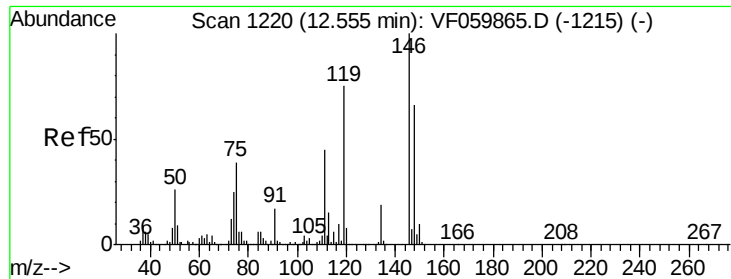
Tot Ion:105 Resp: 159494
 Ion Ratio Lower Upper
 105 100
 134 17.3 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.97 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion:119 Resp: 128171
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.4 37.0
 91 29.7 13.6 40.7

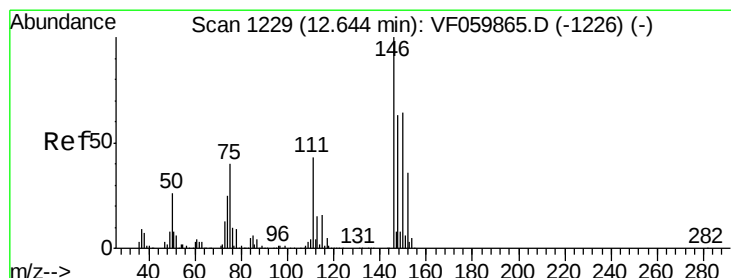
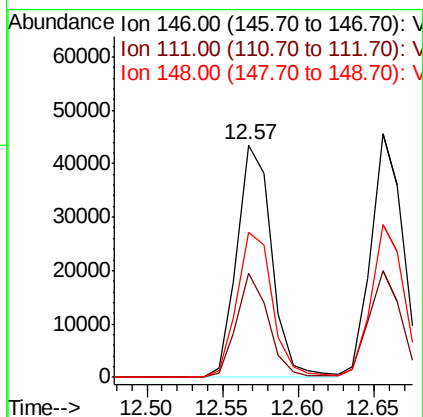
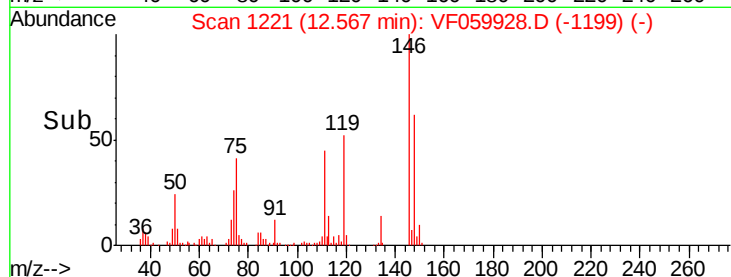
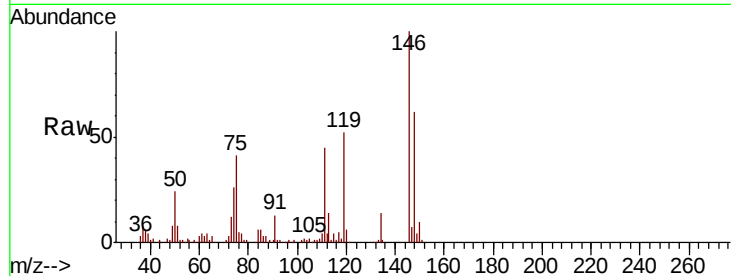




#87
 1,3-Dichlorobenzene
 Concen: 22.34 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

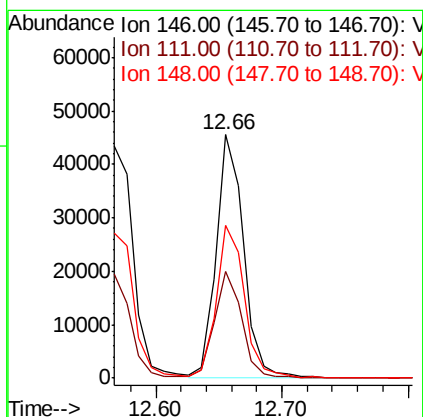
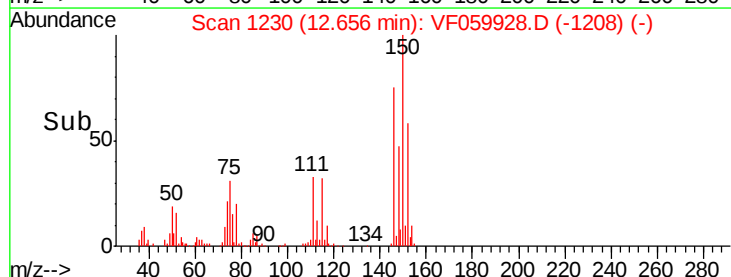
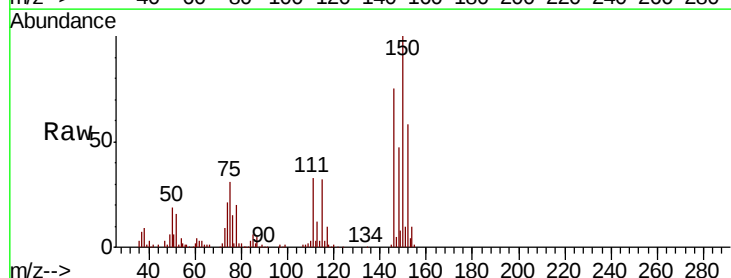
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

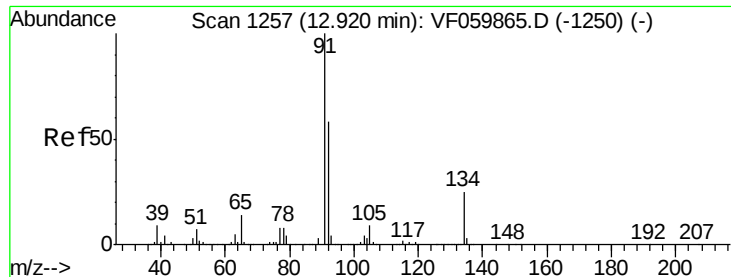
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.0
148	62.3	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 22.31 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.2
148	62.5	31.6	94.7





#89

n-Butylbenzene

Concen: 22.28 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

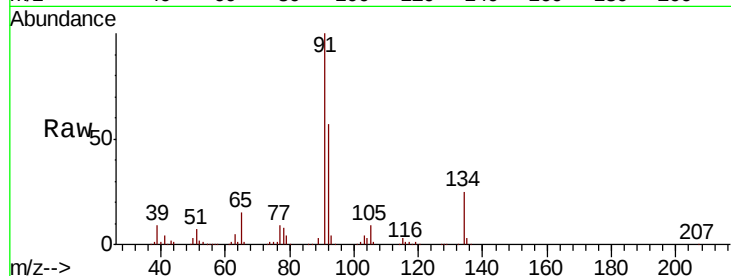
Tot Ion: 91 Resp: 129732

Ion Ratio Lower Upper

91 100

92 57.3 28.8 86.5

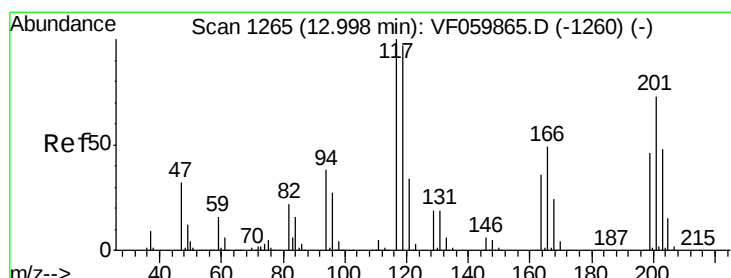
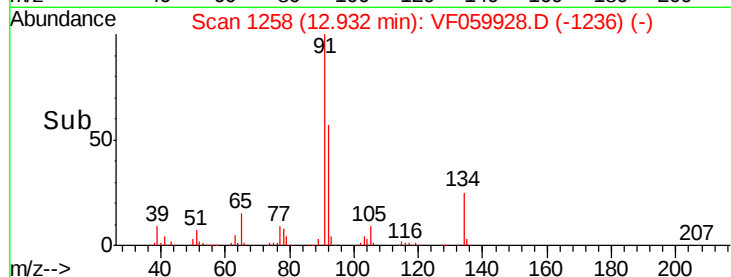
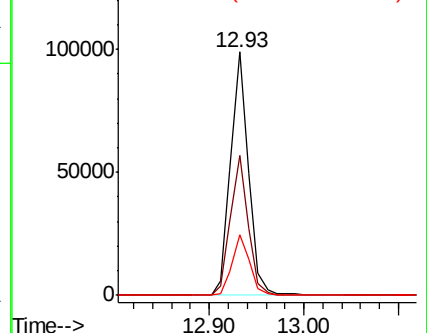
134 24.7 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.83 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF059928.D

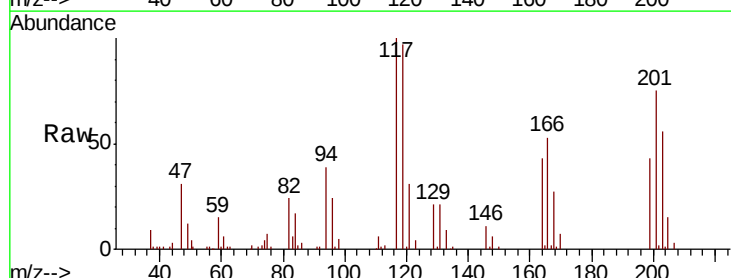
Acq: 8 Aug 2018 13:47

Tgt Ion: 117 Resp: 35129

Ion Ratio Lower Upper

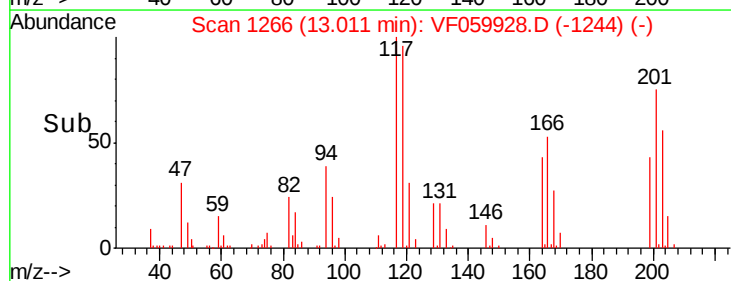
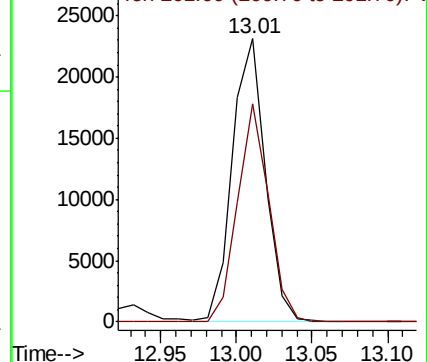
117 100

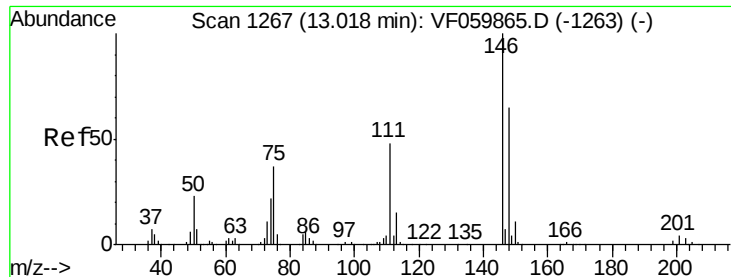
201 76.9 36.6 109.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.59 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

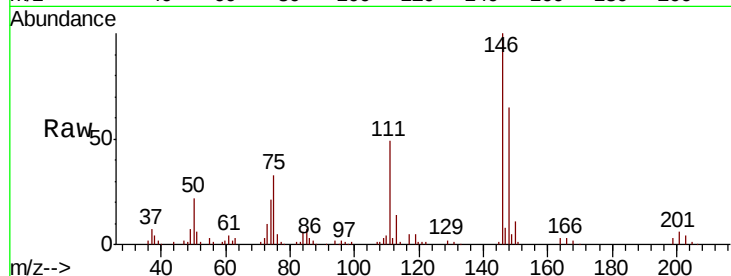
Tot Ion:146 Resp: 67817

Ion Ratio Lower Upper

146 100

111 48.8 24.1 72.2

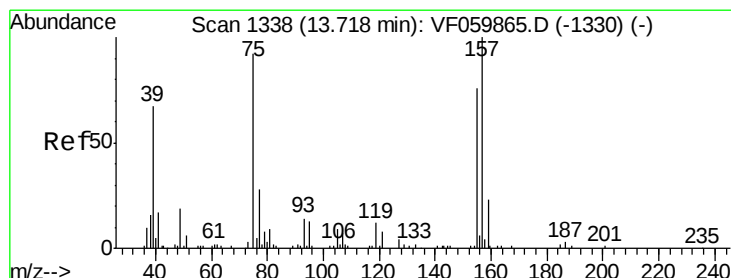
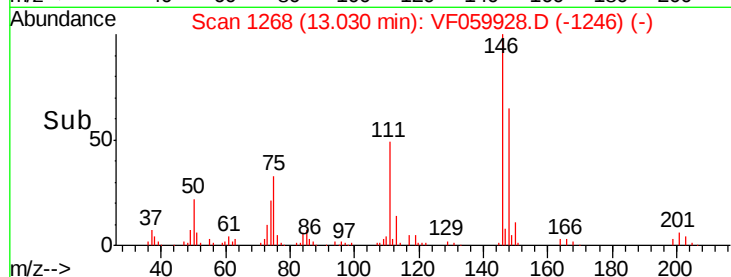
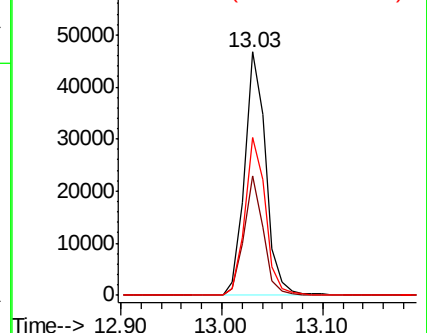
148 65.0 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.18 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

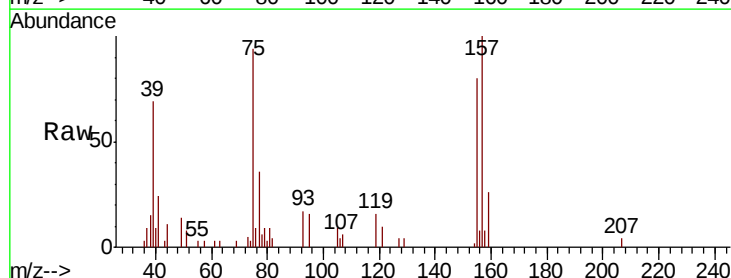
Tgt Ion: 75 Resp: 6643

Ion Ratio Lower Upper

75 100

155 85.1 41.2 123.6

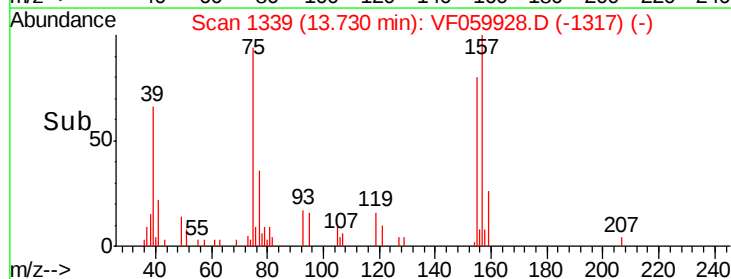
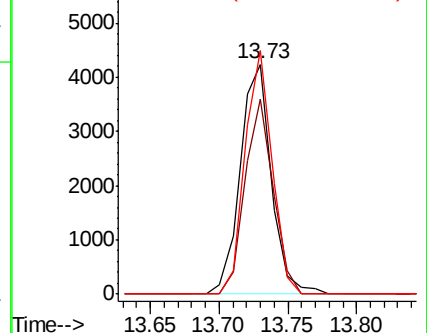
157 106.0 54.5 163.6

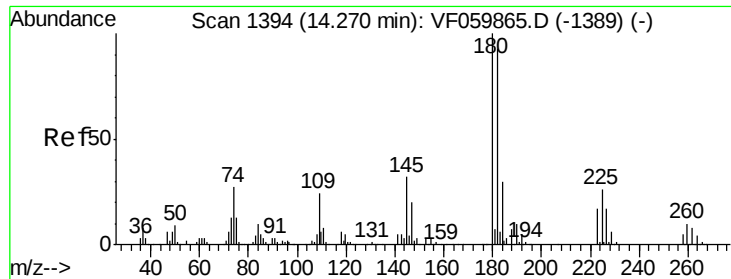


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

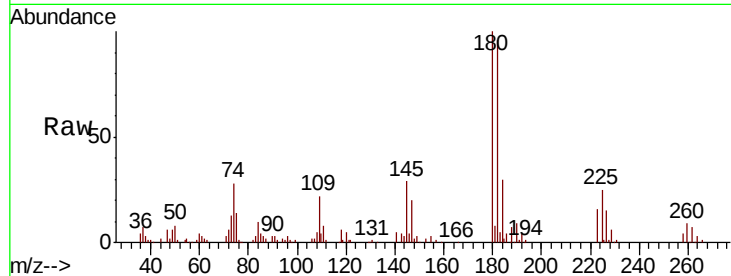




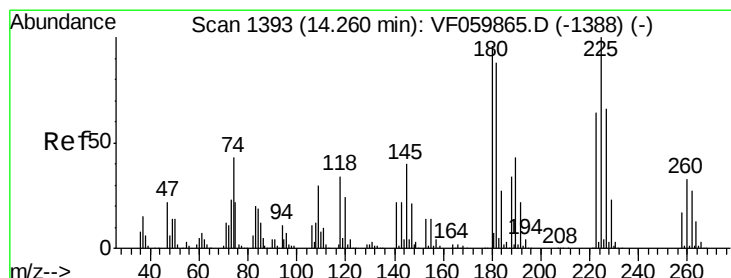
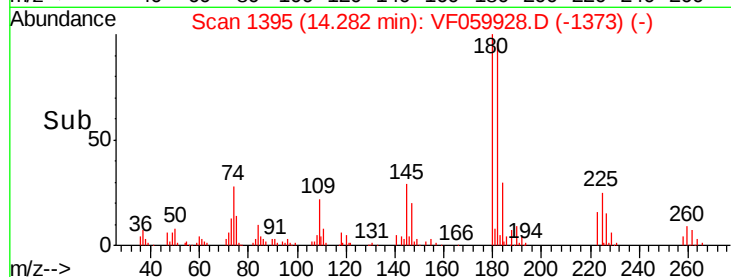
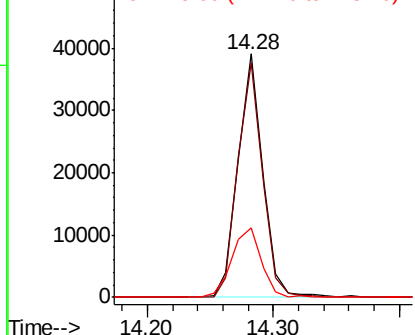
#93
 1,2,4-Trichlorobenzene
 Concen: 23.20 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion:180 Resp: 52872
 Ion Ratio Lower Upper
 180 100
 182 96.3 46.4 139.2
 145 28.5 15.9 47.7

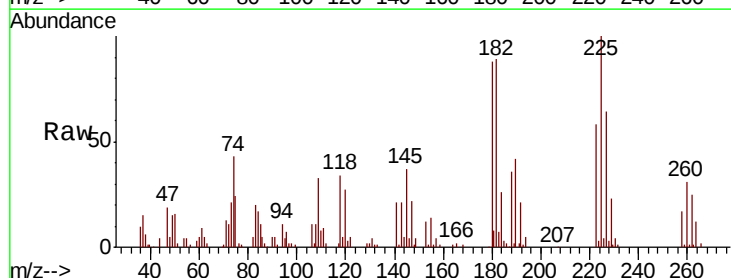


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

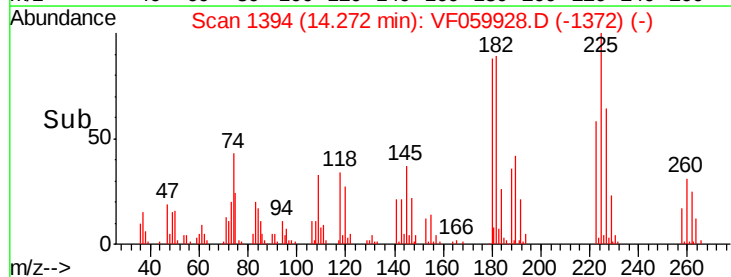
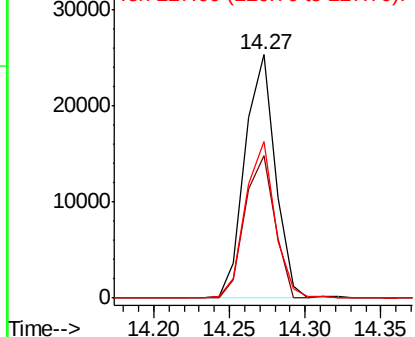


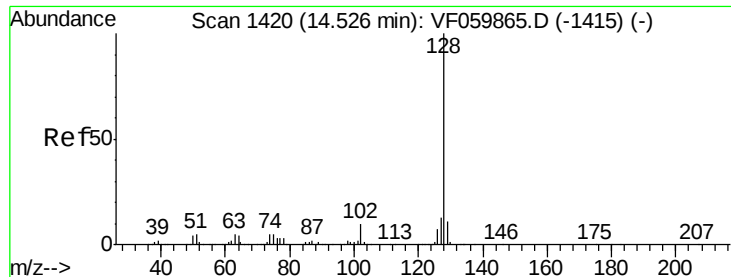
#94
 Hexachlorobutadiene
 Concen: 22.02 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion:225 Resp: 35457
 Ion Ratio Lower Upper
 225 100
 223 58.3 31.9 95.9
 227 64.3 32.8 98.4



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

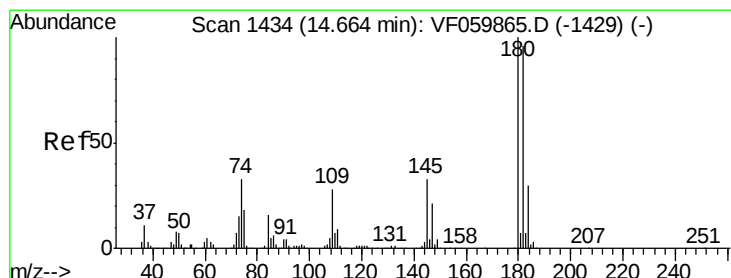
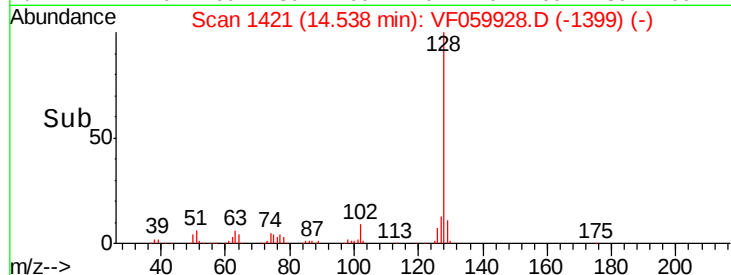
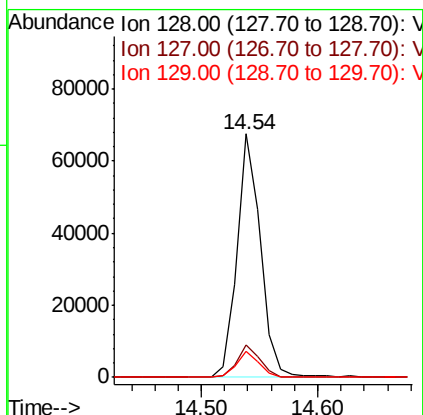
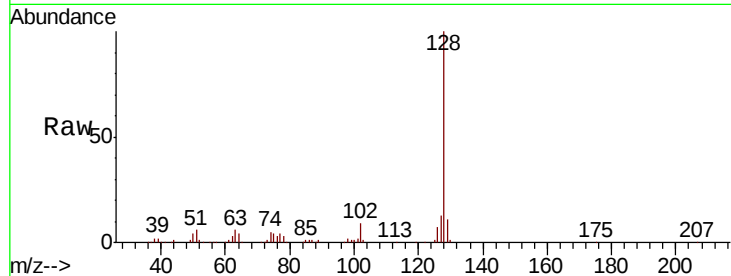




#95
Naphthalene
Concen: 23.92 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion:128 Resp: 94386
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 23.21 ug/l
RT: 14.69 min Scan# 1436
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion:180 Resp: 52237
Ion Ratio Lower Upper
180 100
182 92.4 48.1 144.3
145 33.8 16.6 49.8

