

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059312.D
 Acq On : 26 Jun 2018 12:59
 Operator : VA/AP
 Sample : VF0626SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Quant Time: Jun 27 02:18:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	288814	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	442653	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	454389	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	278561	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	167543	44.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	4.26	113	152458	47.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	7.69	98	382986	47.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.49	95	216211	47.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	55692	21.106	ug/l	95
3) Chloromethane	1.08	50	40093	22.617	ug/l	99
4) Vinyl Chloride	1.14	62	38001	21.778	ug/l	93
5) Bromomethane	1.33	94	26319	24.584	ug/l	92
6) Chloroethane	1.42	64	21174	24.092	ug/l	97
7) Trichlorofluoromethane	1.48	101	23730	6.877	ug/l	93
8) Diethyl Ether	1.69	74	16521	18.673	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45642	22.661	ug/l	92
10) Methyl Iodide	1.95	142	78684	21.423	ug/l	99
11) Tert butyl alcohol	2.67	59	17847	71.843	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	36422	21.390	ug/l	98
13) Acrolein	2.08	56	16097	126.332	ug/l	93
14) Allyl chloride	2.18	41	70571	22.079	ug/l #	97
15) Acrylonitrile	3.05	53	40314	92.156	ug/l	97
16) Acetone	2.32	43	95948	96.704	ug/l	96
17) Carbon Disulfide	1.86	76	84570	21.114	ug/l	99
18) Methyl Acetate	2.43	43	31913	18.209	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	121476	19.126	ug/l #	90
20) Methylene Chloride	2.26	84	63527	26.951	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	38238	21.052	ug/l	85
22) Diisopropyl ether	2.90	45	151556	21.412	ug/l	99
23) Vinyl Acetate	3.31	43	471460	104.590	ug/l	99
24) 1,1-Dichloroethane	2.98	63	92096	20.986	ug/l	99
25) 2-Butanone	4.48	43	124945	109.141	ug/l	93
26) 2,2-Dichloropropane	3.74	77	69070	22.819	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	57000	20.669	ug/l	85
28) Bromochloromethane	3.86	49	45338	24.760	ug/l	96
29) Tetrahydrofuran	4.23	42	50915	100.800	ug/l	96
30) Chloroform	4.01	83	135918	21.394	ug/l	94
31) Cyclohexane	3.83	56	62257	21.656	ug/l	87
32) 1,1,1-Trichloroethane	4.25	97	97796	21.036	ug/l	93
36) 1,1-Dichloropropene	4.43	75	83916	21.701	ug/l	95
37) Ethyl Acetate	4.26	43	49927	19.274	ug/l #	75
38) Carbon Tetrachloride	4.15	117	104206	21.354	ug/l	92

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 Data File : VF059312.D
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 Sample : VF0626SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Quant Time: Jun 27 02:18:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	5.60	83	75920	22.156	ug/l #	94
40) Benzene	4.78	78	179506	20.937	ug/l	97
41) Methacrylonitrile	4.90	41	24935	18.904	ug/l #	91
42) 1,2-Dichloroethane	5.09	62	102711	20.501	ug/l	97
43) Isopropyl Acetate	7.08	43	62906	19.530	ug/l #	82
44) Trichloroethene	5.65	130	62495	21.248	ug/l	99
45) 1,2-Dichloropropane	6.37	63	51120	20.869	ug/l	96
46) Dibromomethane	6.23	93	42912	20.183	ug/l	97
47) Bromodichloromethane	6.52	83	105336	20.467	ug/l	99
48) Methyl methacrylate	6.85	41	40717	18.861	ug/l	91
49) 1,4-Dioxane	6.84	88	4273	343.025	ug/l #	89
51) 4-Methyl-2-Pentanone	8.38	43	239188	100.236	ug/l	99
52) Toluene	7.75	92	129317	20.157	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	97431	20.769	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	101713	19.960	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	50212	20.158	ug/l	93
56) Ethyl methacrylate	8.74	69	57030	18.482	ug/l	94
57) 1,3-Dichloropropane	8.98	76	86764	20.310	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.75	63	24870	107.464	ug/l	100
59) 2-Hexanone	9.61	43	211521	108.421	ug/l	98
60) Dibromochloromethane	8.84	129	80261	20.871	ug/l	87
61) 1,2-Dibromoethane	9.11	107	60907	20.161	ug/l	94
64) Tetrachloroethene	8.29	164	67925	23.048	ug/l	98
65) Chlorobenzene	9.91	112	170190	20.213	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	74190	20.373	ug/l	97
67) Ethyl Benzene	10.01	91	293271	20.532	ug/l	99
68) m/p-Xylenes	10.25	106	220004	43.274	ug/l	97
69) o-Xylene	10.81	106	116505	20.488	ug/l	98
70) Styrene	10.88	104	182073	21.019	ug/l	97
71) Bromoform	10.87	173	49611	19.876	ug/l #	91
73) Isopropylbenzene	11.20	105	351797	21.678	ug/l	98
74) N-amyl acetate	11.44	43	115672	19.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	83224	20.306	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	61022	19.738	ug/l	95
77) Bromobenzene	11.58	156	88993	19.766	ug/l	86
78) n-propylbenzene	11.67	91	410176	21.046	ug/l	95
79) 2-Chlorotoluene	11.80	91	248104	20.836	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	305606	21.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	36189	19.667	ug/l	93
82) 4-Chlorotoluene	11.97	91	270041	21.173	ug/l	96
83) tert-Butylbenzene	12.20	119	309290	21.754	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	307006	20.506	ug/l	98
85) sec-Butylbenzene	12.37	105	406549	21.572	ug/l	97
86) p-Isopropyltoluene	12.53	119	347572	21.976	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	174844	20.838	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	163380	20.319	ug/l	96
89) n-Butylbenzene	12.90	91	341492	21.269	ug/l	97
90) Hexachloroethane	12.98	117	84718	21.492	ug/l	77
91) 1,2-Dichlorobenzene	13.01	146	168907	20.665	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15425	16.978	ug/l	77

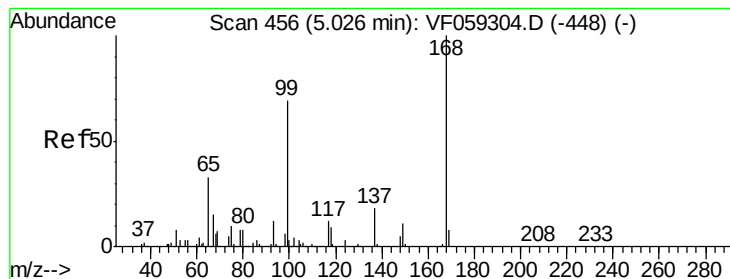
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
Data File : VF059312.D
Acq On : 26 Jun 2018 12:59
Operator : VA/AP
Sample : VF0626SBS01
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Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Quant Time: Jun 27 02:18:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	127995	21.178	ug/l	95
94) Hexachlorobutadiene	14.24	225	72185	21.383	ug/l	92
95) Naphthalene	14.51	128	249507	19.731	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	119473	20.867	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

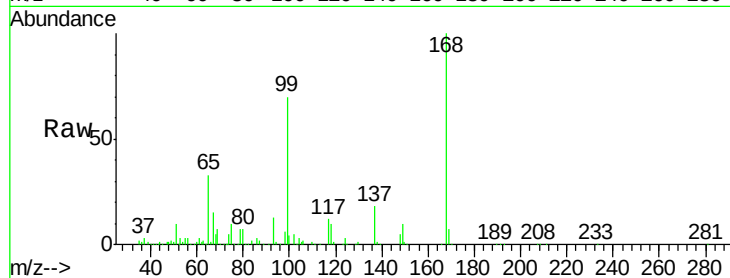
VF0626SBS01

Tot Ion:168 Resp: 288814

Ion Ratio Lower Upper

168 100

99 70.4 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

100000

80000

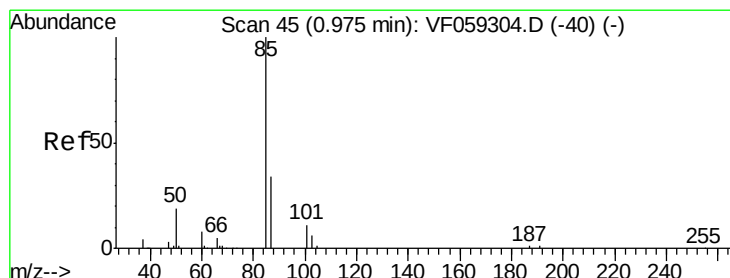
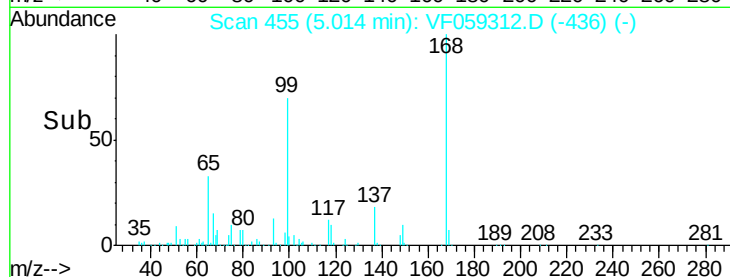
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.106 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059312.D

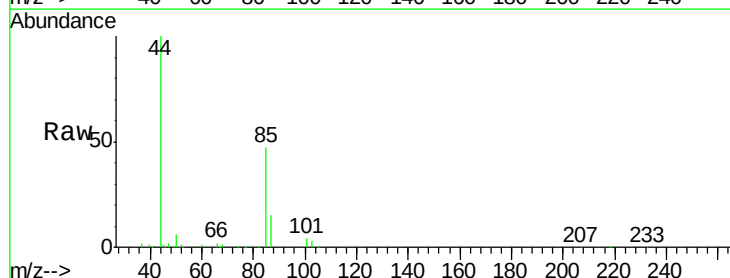
Acq: 26 Jun 2018 12:59

Tgt Ion: 85 Resp: 55692

Ion Ratio Lower Upper

85 100

87 31.5 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

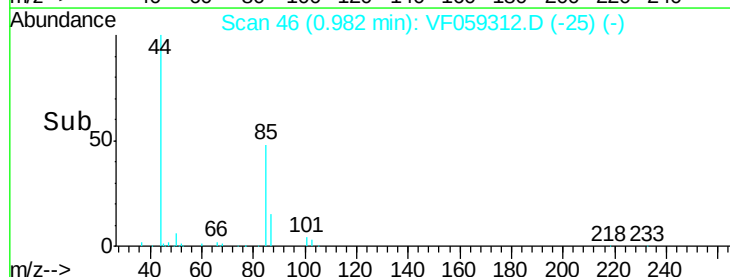
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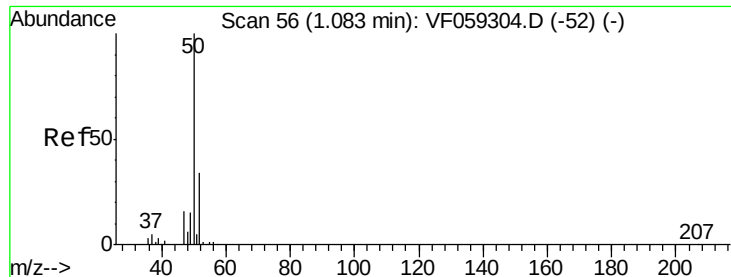
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.617 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

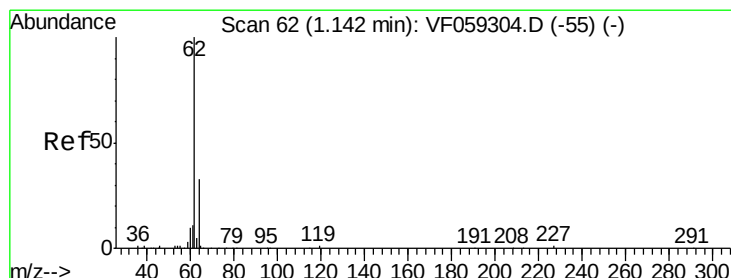
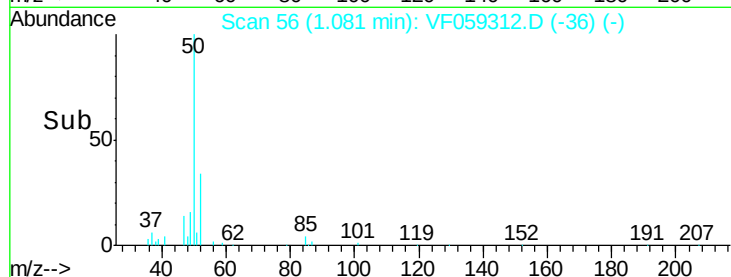
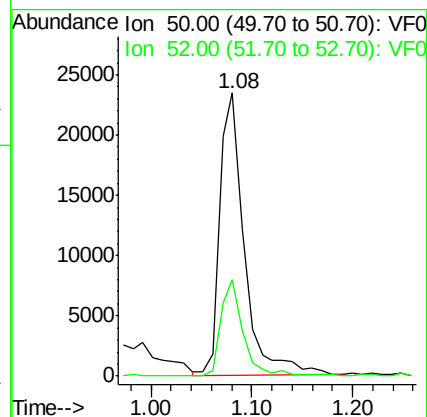
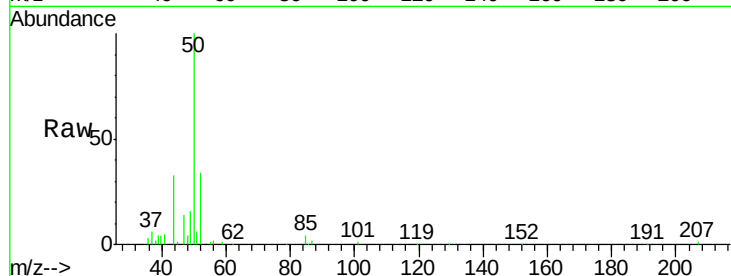
VF0626SBS01

Tot Ion: 50 Resp: 40093

Ion Ratio Lower Upper

50 100

52 34.2 26.7 40.1



#4

Vinyl Chloride

Concen: 21.778 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059312.D

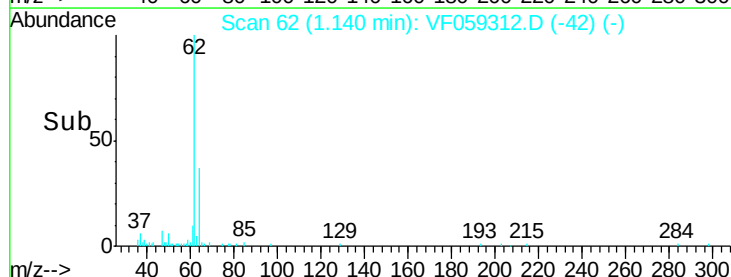
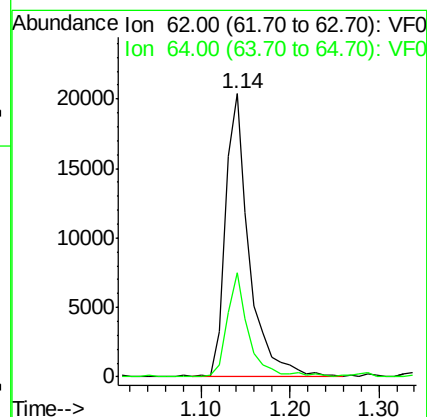
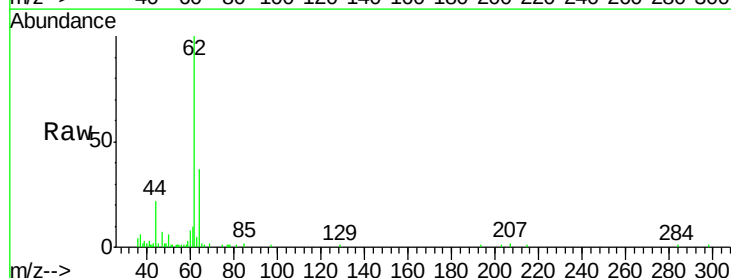
Acq: 26 Jun 2018 12:59

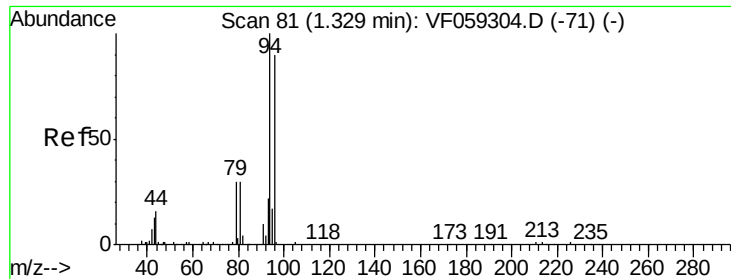
Tgt Ion: 62 Resp: 38001

Ion Ratio Lower Upper

62 100

64 36.7 26.3 39.5





#5

Bromomethane

Concen: 24.584 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

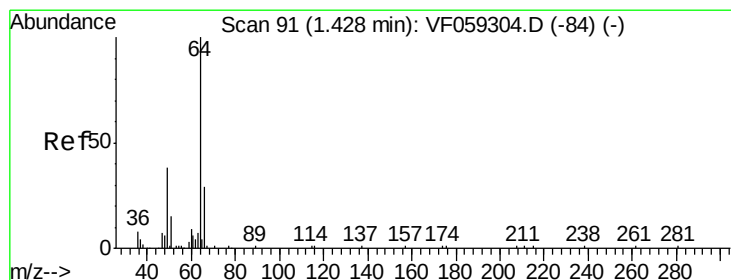
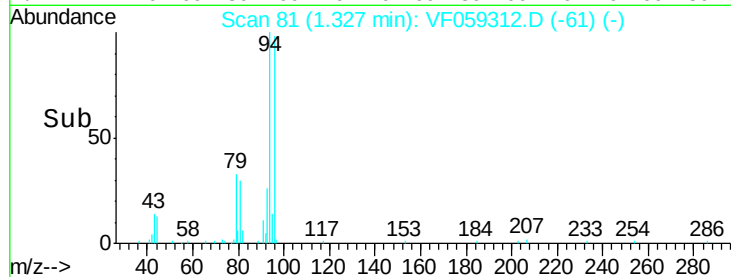
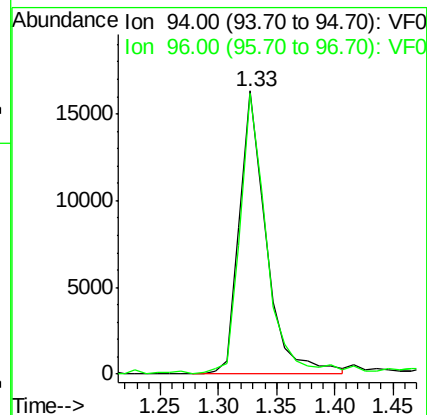
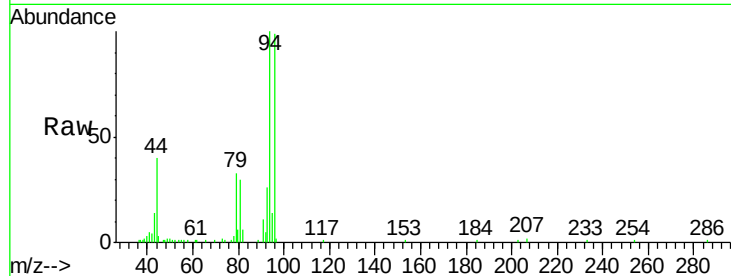
VF0626SBS01

Tot Ion: 94 Resp: 26319

Ion Ratio Lower Upper

94 100

96 99.1 73.4 110.0



#6

Chloroethane

Concen: 24.092 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059312.D

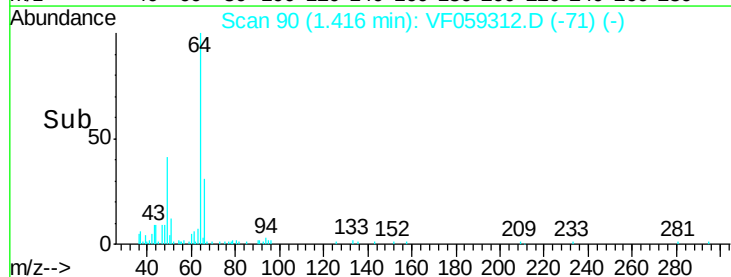
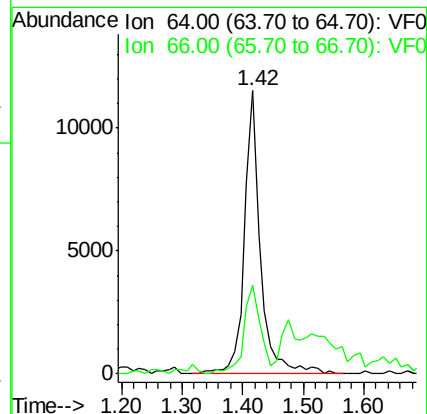
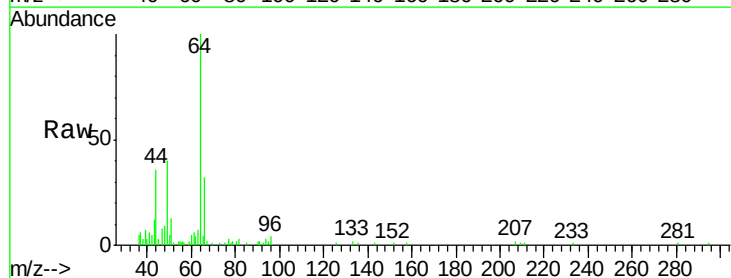
Acq: 26 Jun 2018 12:59

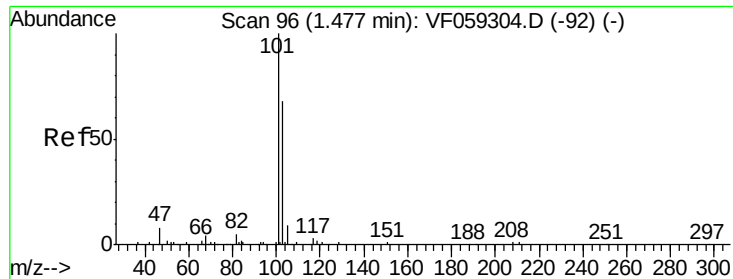
Tgt Ion: 64 Resp: 21174

Ion Ratio Lower Upper

64 100

66 31.5 23.9 35.9





#7

Trichlorofluoromethane

Concen: 6.877 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

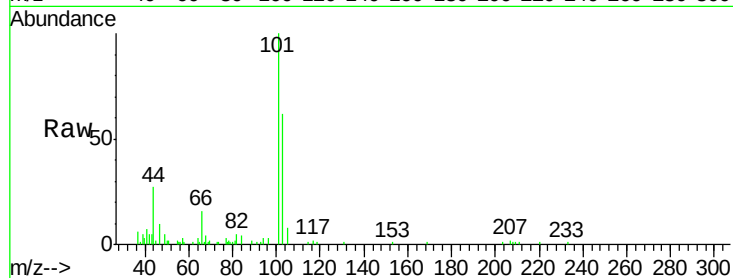
VF0626SBS01

Tot Ion:101 Resp: 23730

Ion Ratio Lower Upper

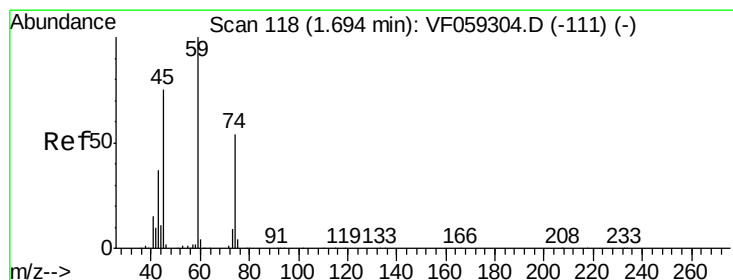
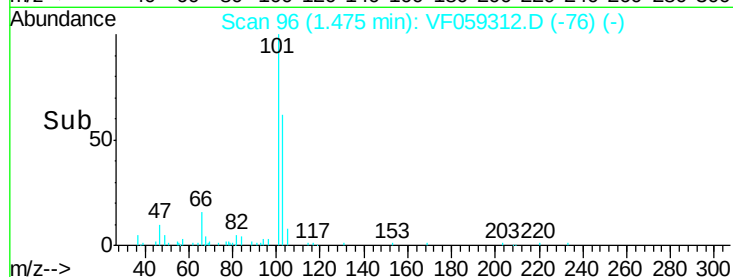
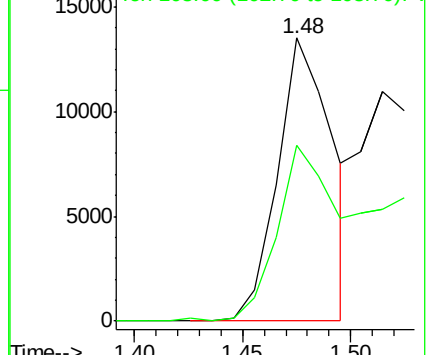
101 100

103 62.0 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.673 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059312.D

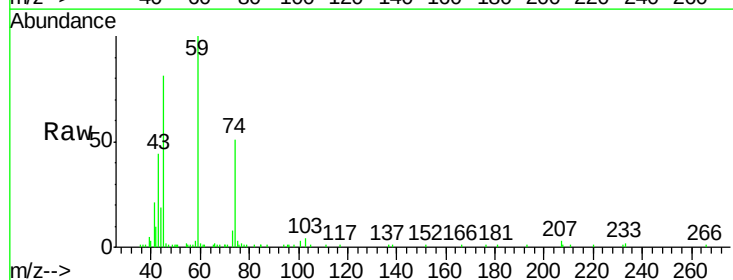
Acq: 26 Jun 2018 12:59

Tgt Ion: 74 Resp: 16521

Ion Ratio Lower Upper

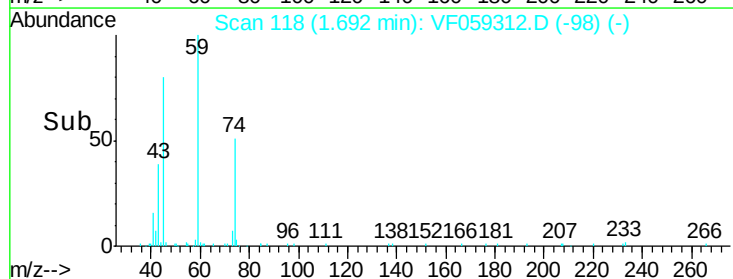
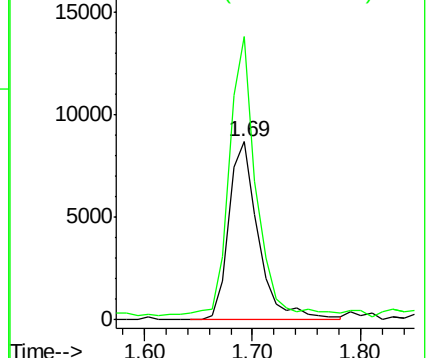
74 100

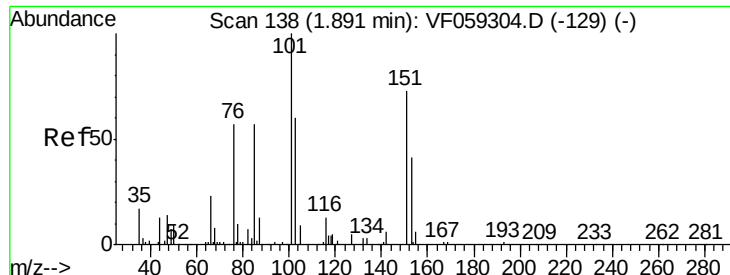
45 158.9 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.661 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

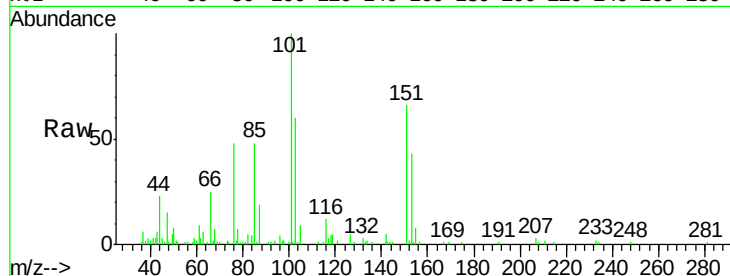
Tot Ion:101 Resp: 45642

Ion Ratio Lower Upper

101 100

85 48.0 44.5 66.7

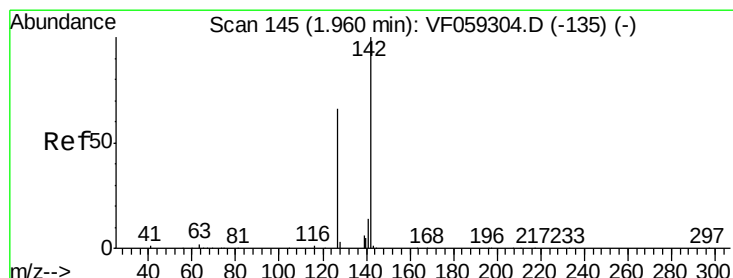
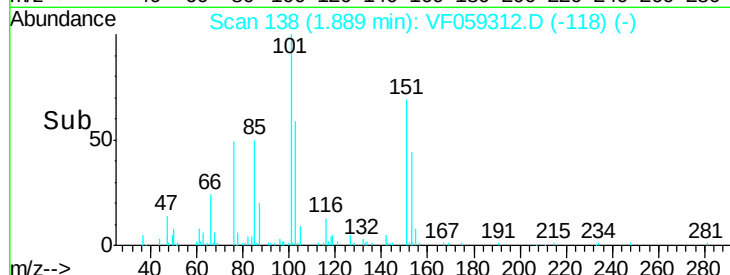
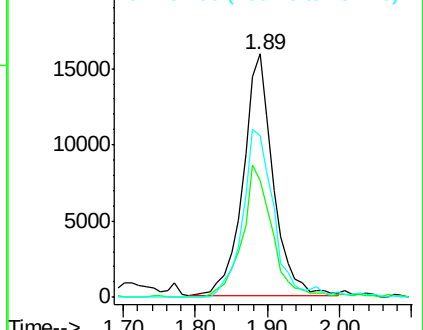
151 66.3 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 21.423 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

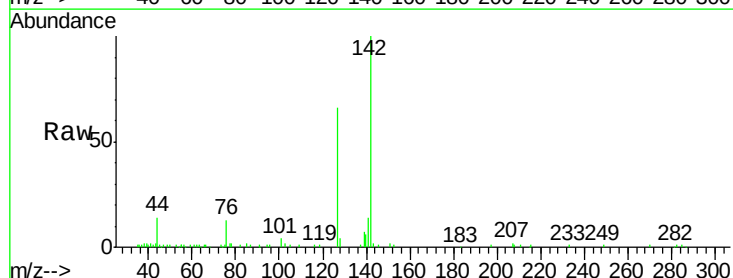
Tgt Ion:142 Resp: 78684

Ion Ratio Lower Upper

142 100

127 66.4 52.5 78.7

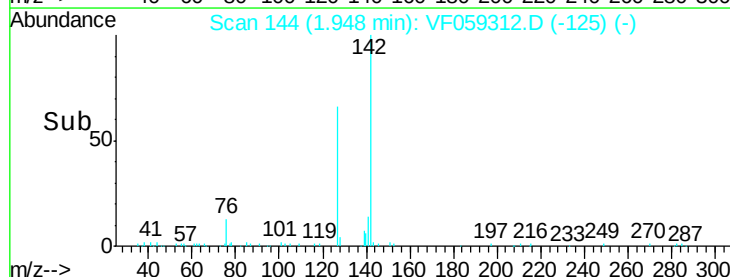
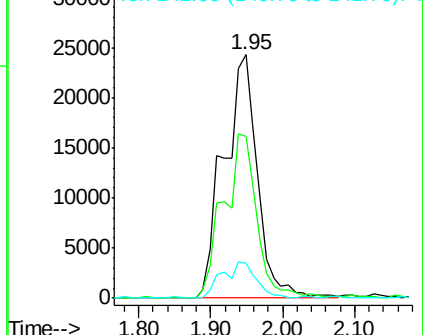
141 14.2 11.5 17.3

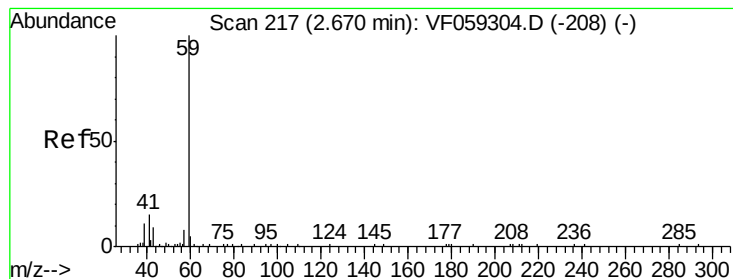


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



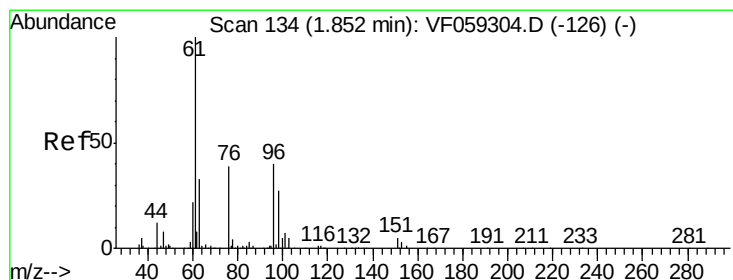
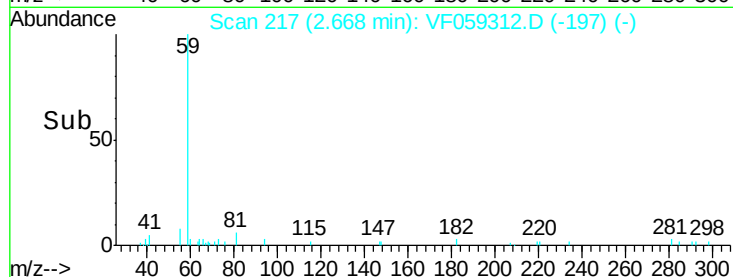
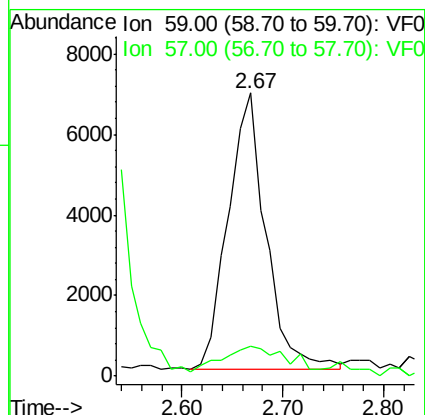
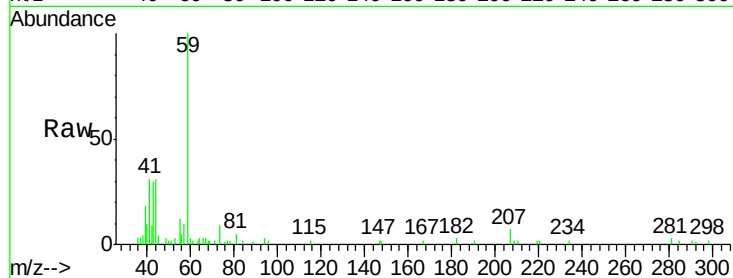


#11

Tert butyl alcohol
Concen: 71.843 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

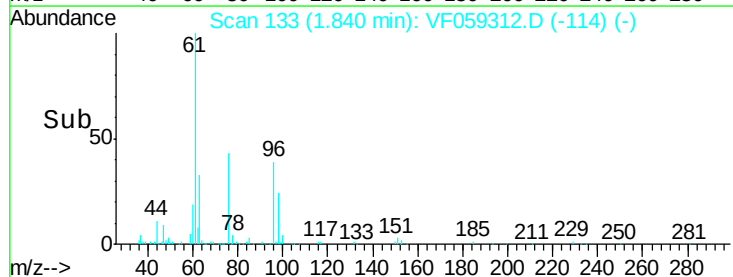
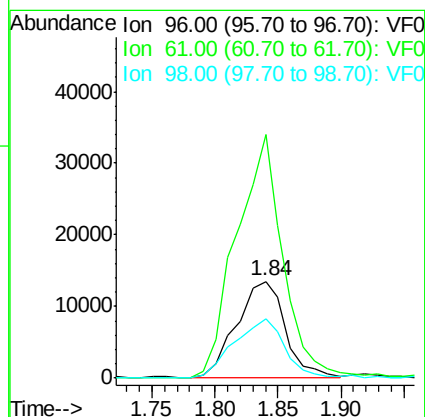
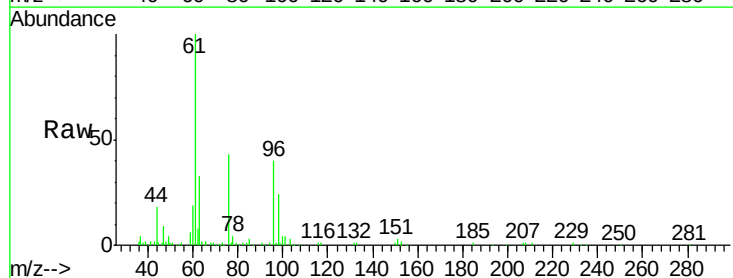
Tot Ion: 59 Resp: 17847
Ion Ratio Lower Upper
59 100
57 10.4 11.0 16.4#

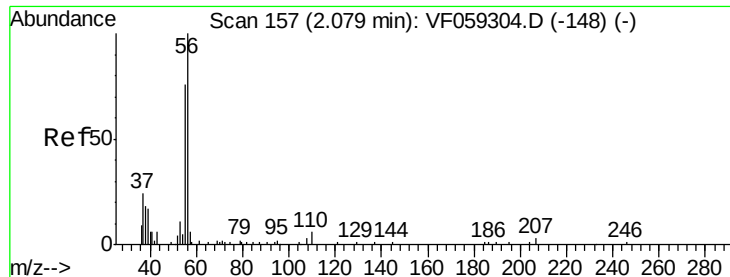


#12

1,1-Dichloroethene
Concen: 21.390 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion: 96 Resp: 36422
Ion Ratio Lower Upper
96 100
61 252.6 201.1 301.7
98 61.5 53.9 80.9





#13

Acrolein

Concen: 126.332 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

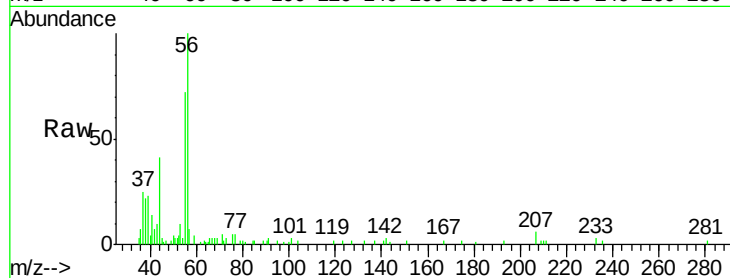
VF0626SBS01

Tot Ion: 56 Resp: 16097

Ion Ratio Lower Upper

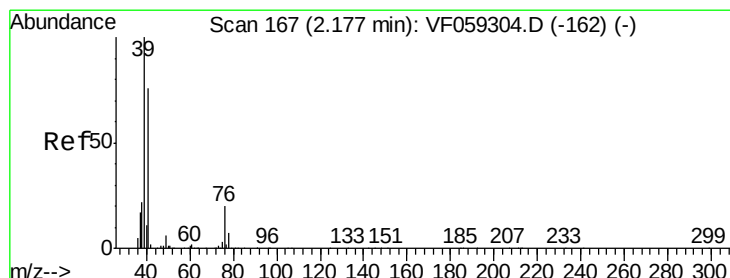
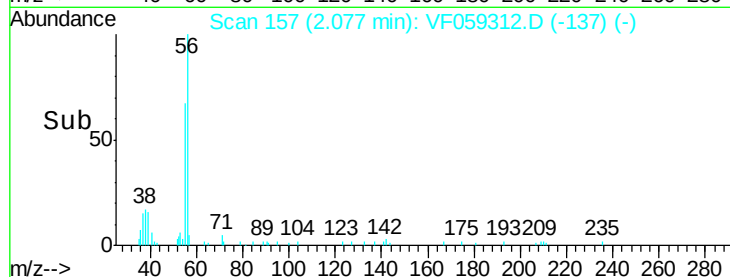
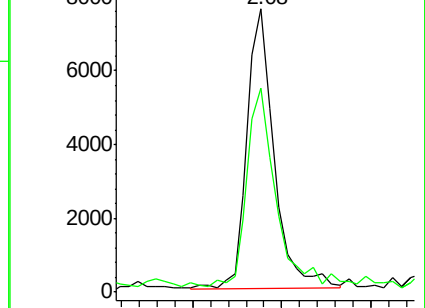
56 100

55 72.0 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.079 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

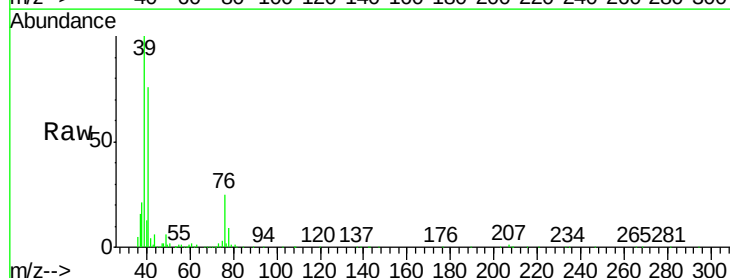
Tgt Ion: 41 Resp: 70571

Ion Ratio Lower Upper

41 100

39 131.1 105.6 158.4

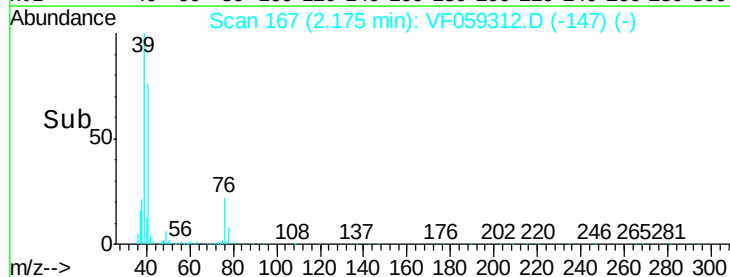
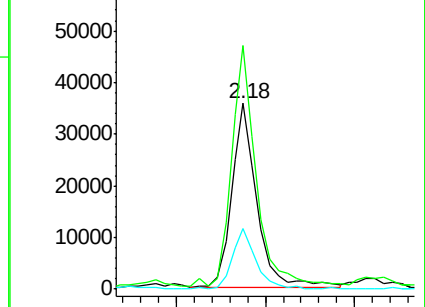
76 32.7 21.6 32.4#

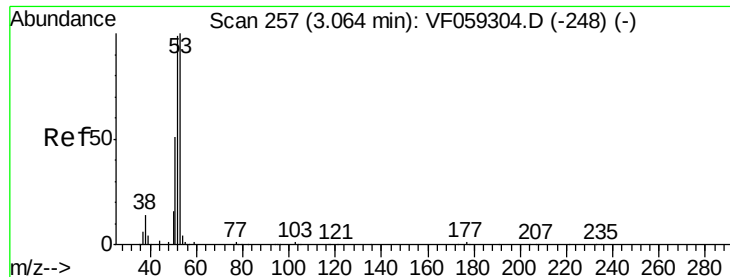


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 92.156 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

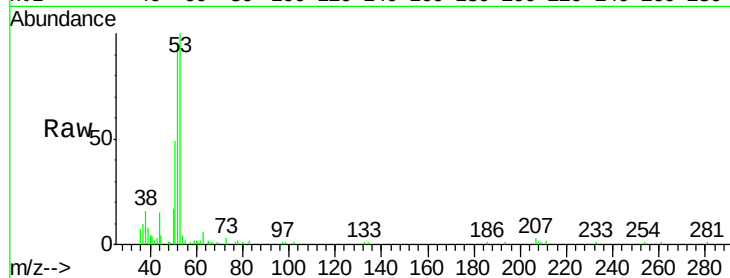
Tot Ion: 53 Resp: 40314

Ion Ratio Lower Upper

53 100

52 96.0 79.2 118.8

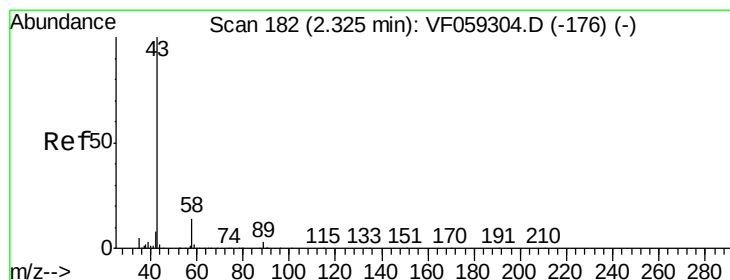
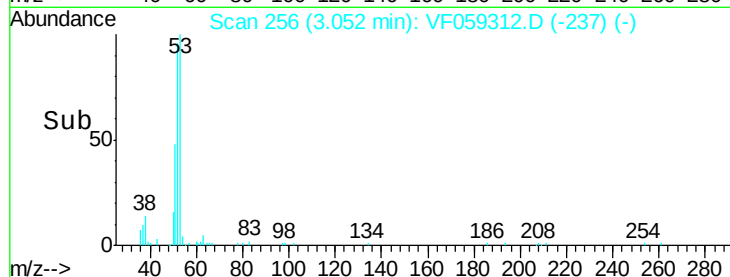
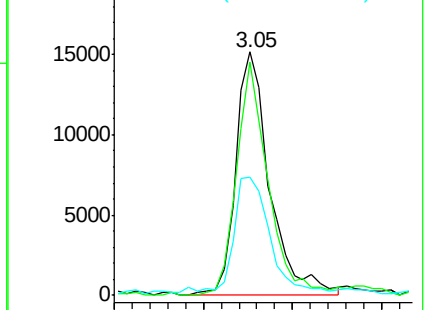
51 48.7 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 96.704 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059312.D

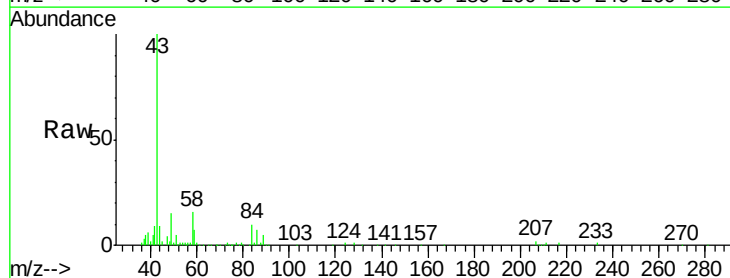
Acq: 26 Jun 2018 12:59

Tgt Ion: 43 Resp: 95948

Ion Ratio Lower Upper

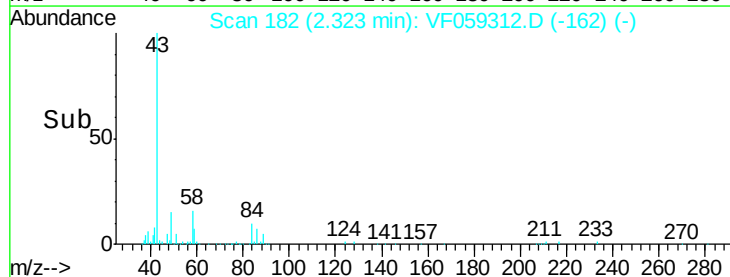
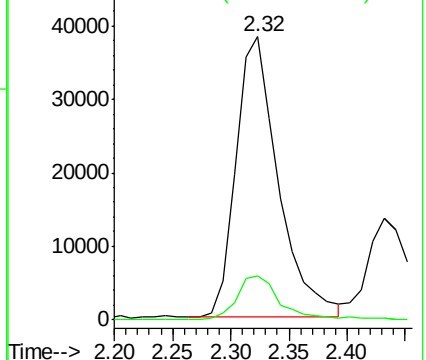
43 100

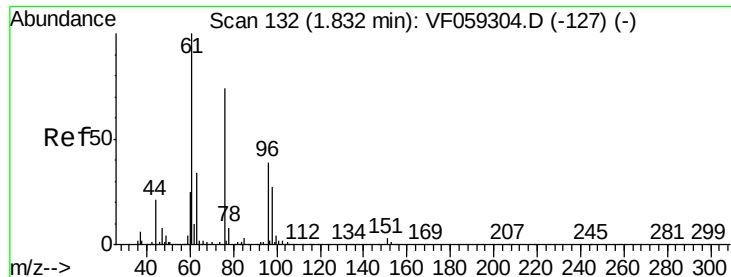
58 15.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 21.114 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

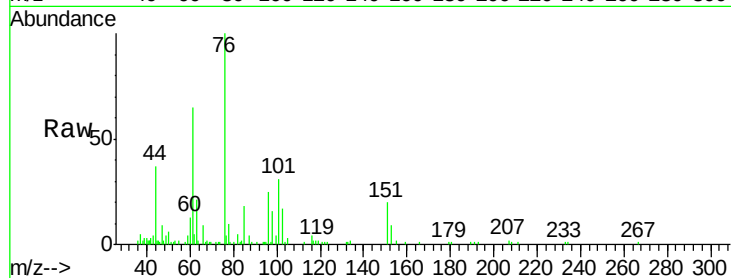
VF0626SBS01

Tot Ion: 76 Resp: 84570

Ion Ratio Lower Upper

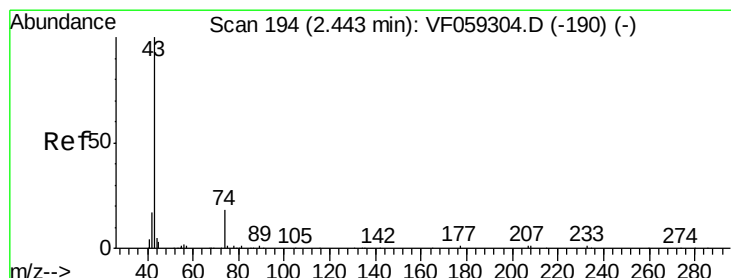
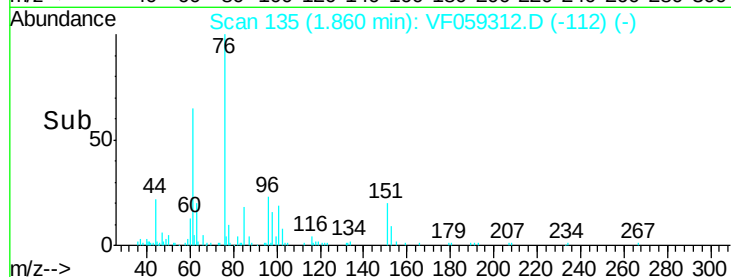
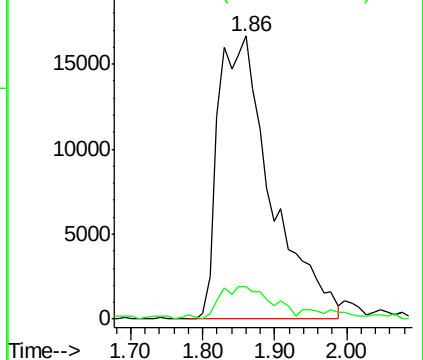
76 100

78 11.5 8.9 13.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 18.209 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059312.D

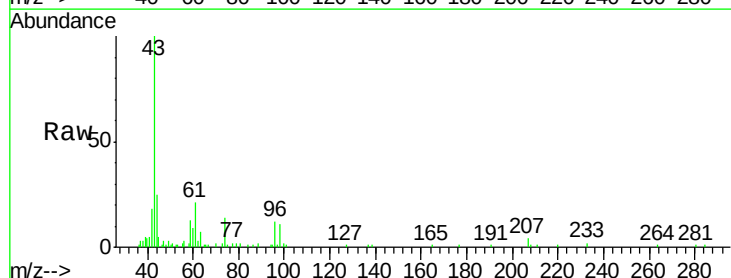
Acq: 26 Jun 2018 12:59

Tgt Ion: 43 Resp: 31913

Ion Ratio Lower Upper

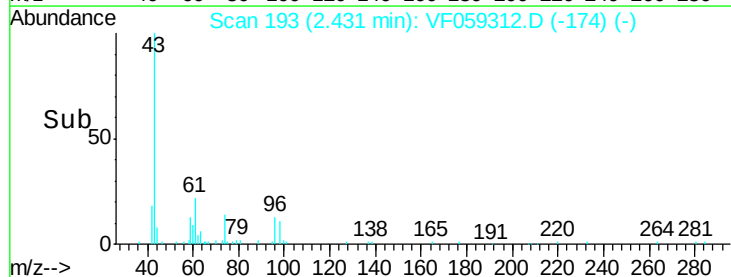
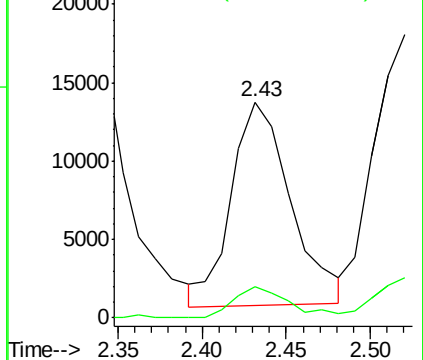
43 100

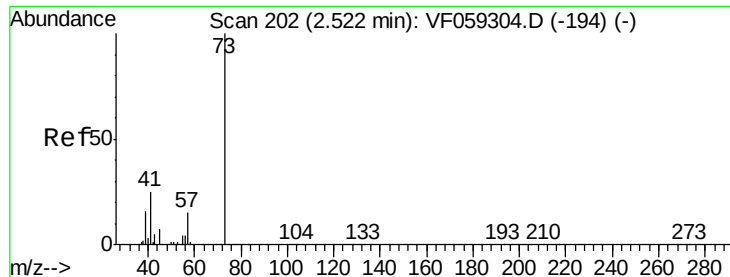
74 14.3 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



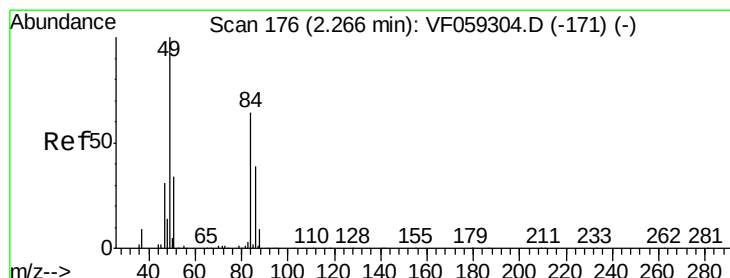
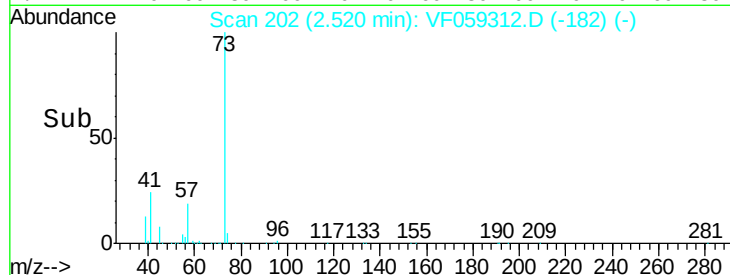
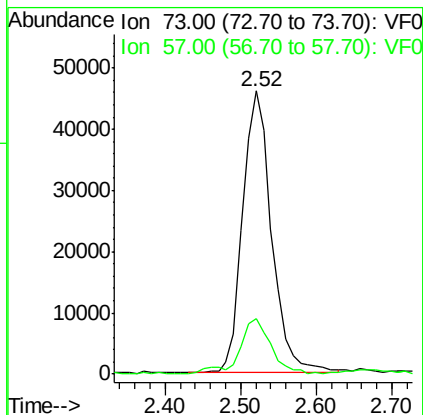
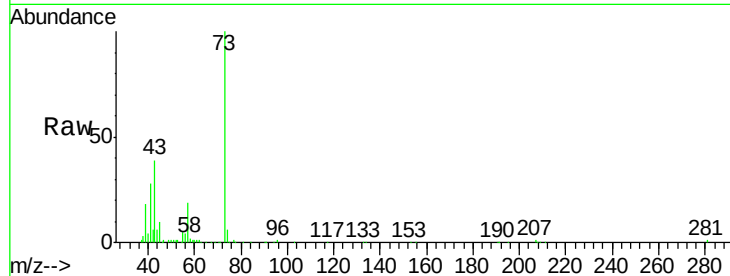


#19

Methyl tert-butyl Ether
 Concen: 19.126 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

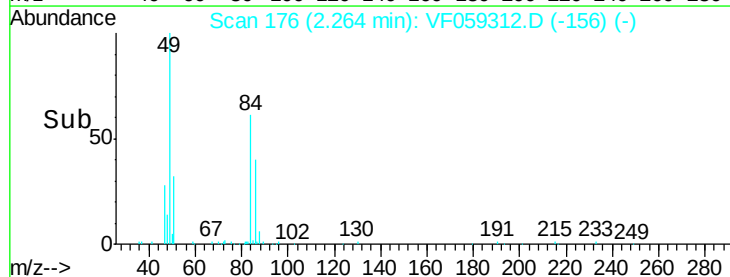
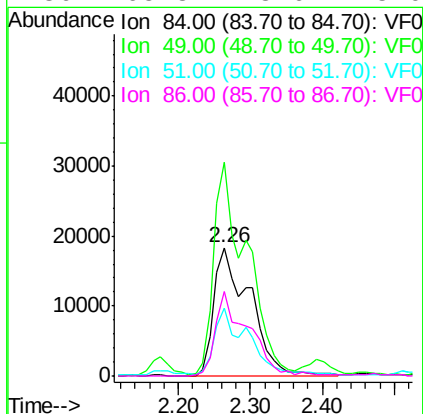
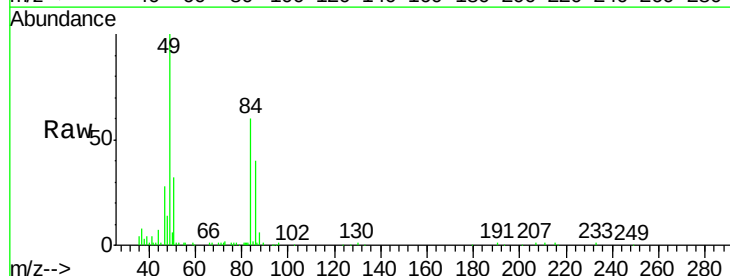
Tot Ion: 73 Resp: 121476
 Ion Ratio Lower Upper
 73 100
 57 19.5 12.3 18.5#

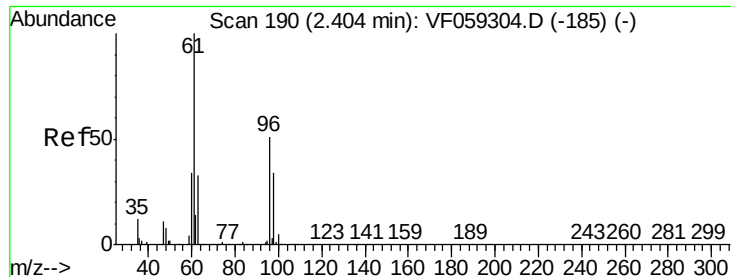


#20

Methylene Chloride
 Concen: 26.951 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion: 84 Resp: 63527
 Ion Ratio Lower Upper
 84 100
 49 166.0 126.5 189.7
 51 53.0 42.9 64.3
 86 65.8 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 21.052 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

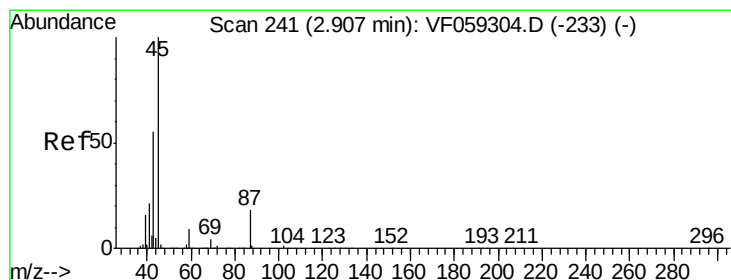
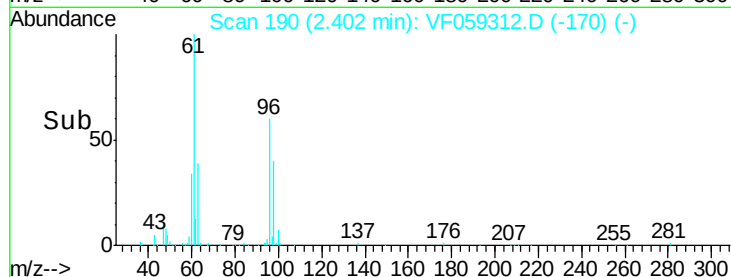
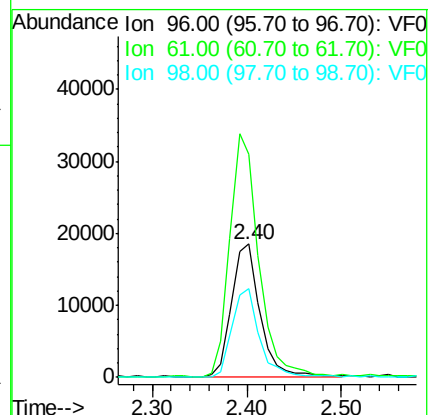
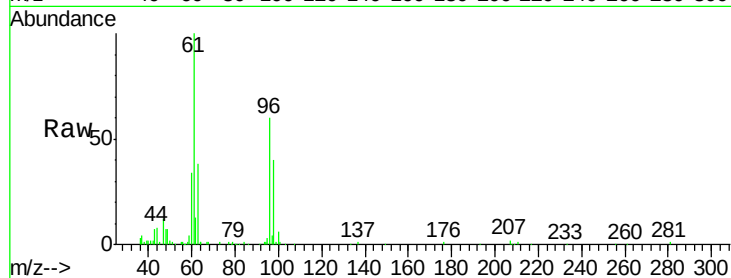
Tot Ion: 96 Resp: 38238

Ion Ratio Lower Upper

96 100

61 167.4 157.4 236.2

98 66.5 53.7 80.5



#22

Diisopropyl ether

Concen: 21.412 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion: 45 Resp: 151556

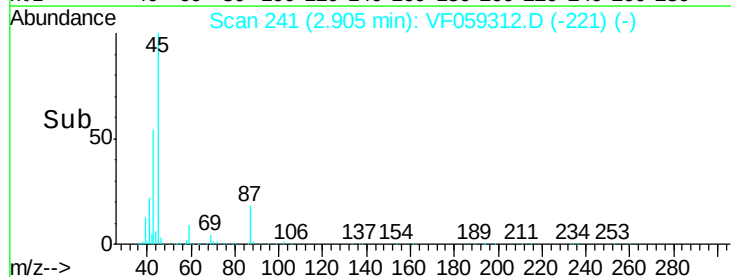
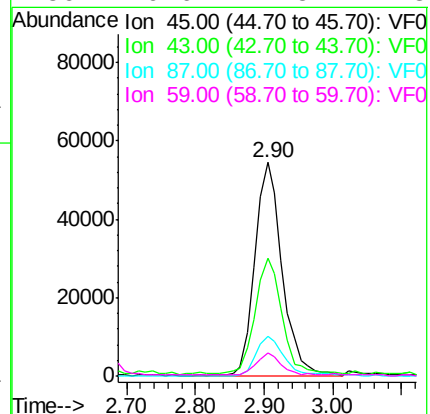
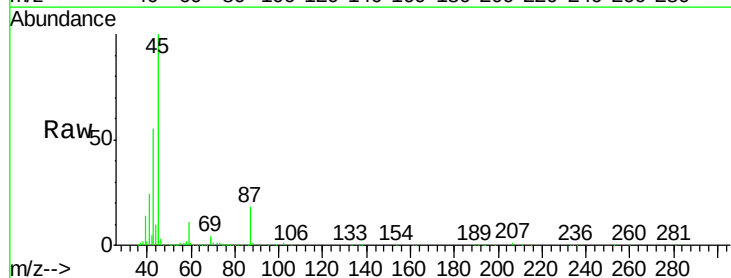
Ion Ratio Lower Upper

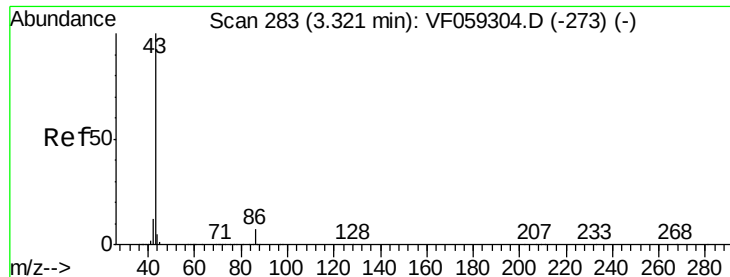
45 100

43 55.4 44.6 66.8

87 18.3 14.3 21.5

59 10.6 7.5 11.3





#23

Vinyl Acetate

Concen: 104.590 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

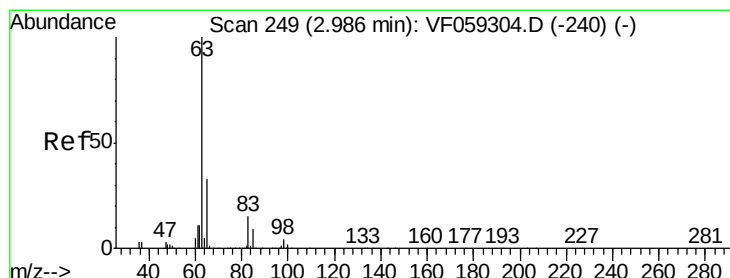
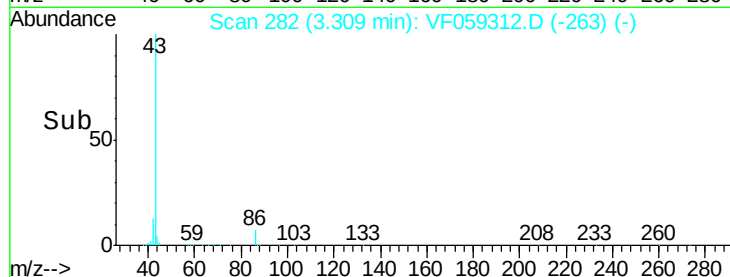
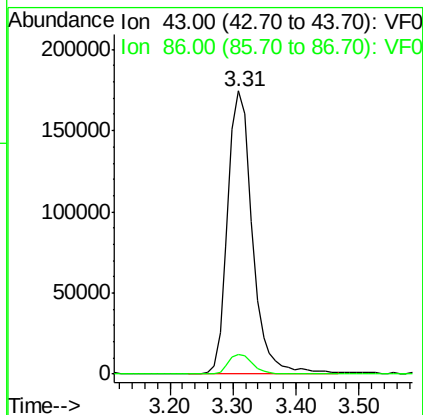
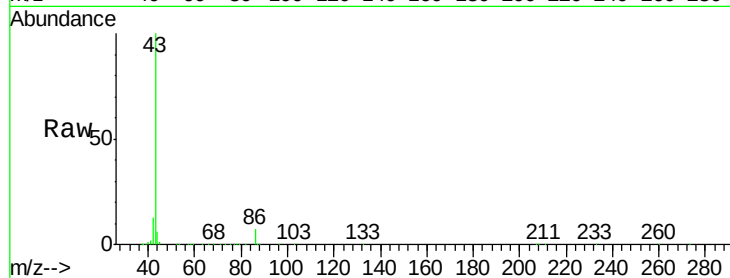
VF0626SBS01

Tot Ion: 43 Resp: 471460

Ion Ratio Lower Upper

43 100

86 6.8 5.8 8.6



#24

1,1-Dichloroethane

Concen: 20.986 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

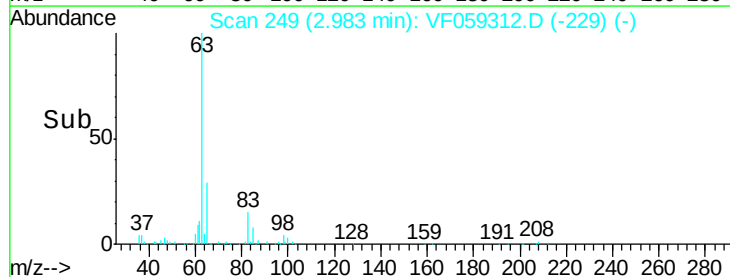
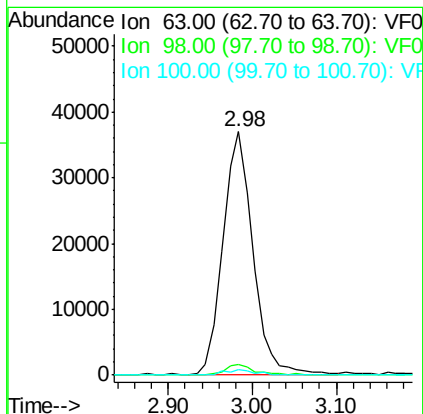
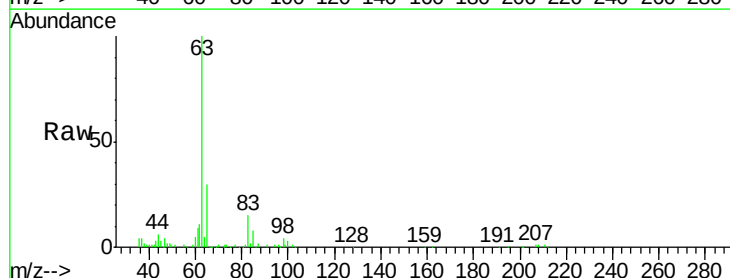
Tgt Ion: 63 Resp: 92096

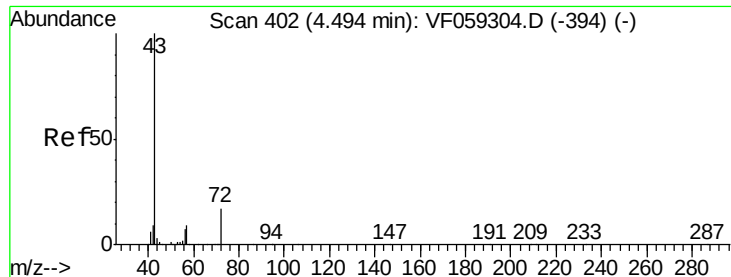
Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 109.141 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

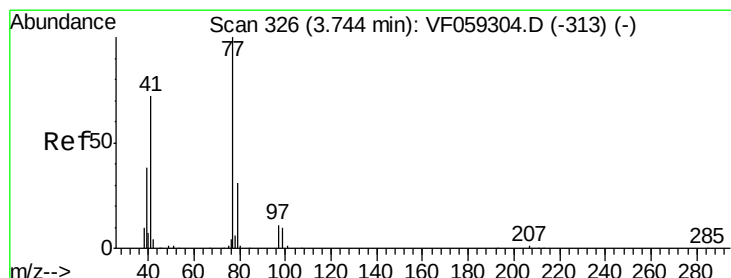
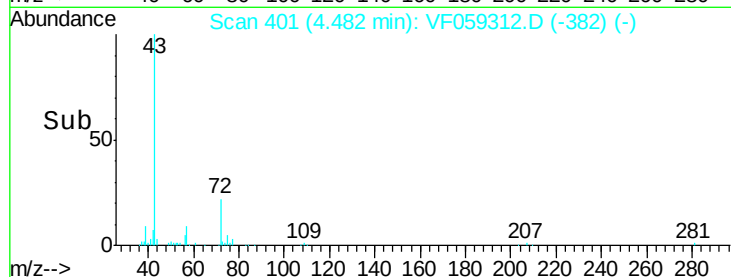
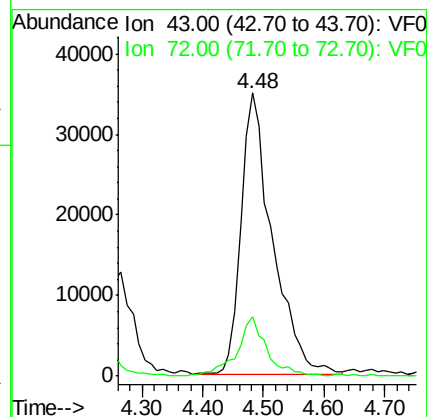
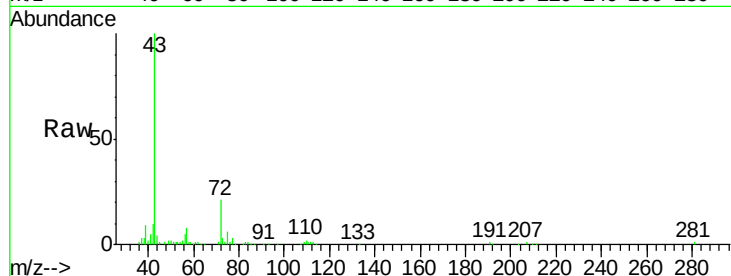
VF0626SBS01

Tot Ion: 43 Resp: 124945

Ion Ratio Lower Upper

43 100

72 21.0 14.4 21.6



#26

2,2-Dichloropropane

Concen: 22.819 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059312.D

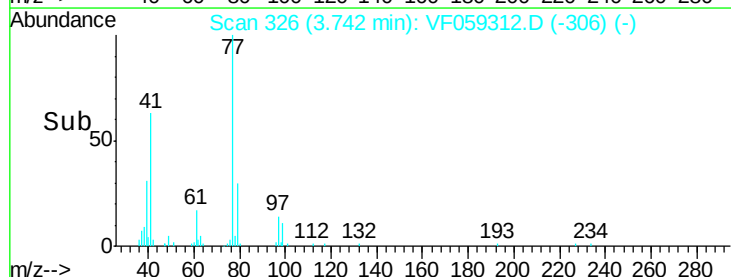
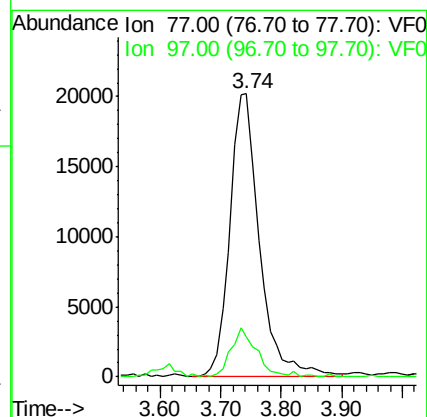
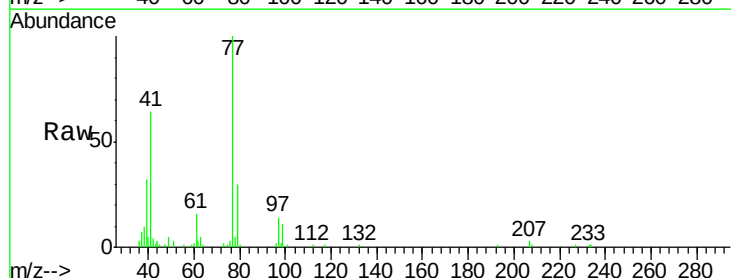
Acq: 26 Jun 2018 12:59

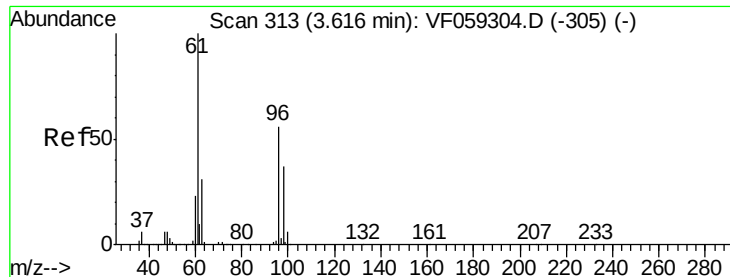
Tgt Ion: 77 Resp: 69070

Ion Ratio Lower Upper

77 100

97 14.0 8.0 23.8



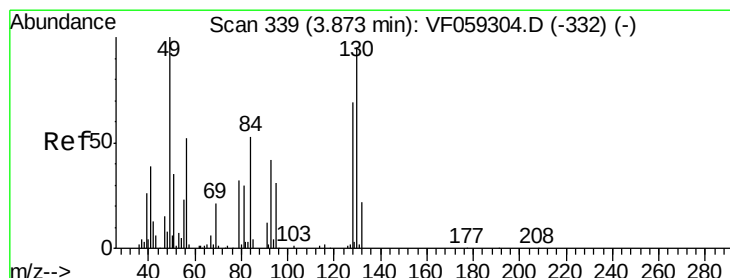
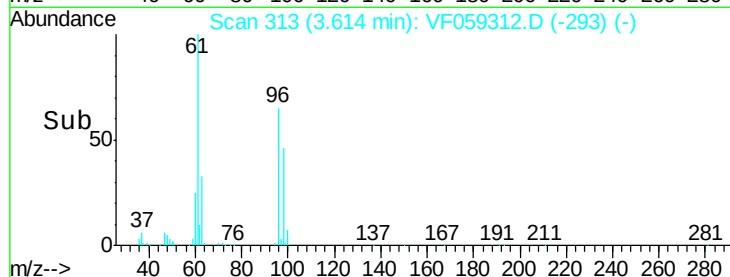
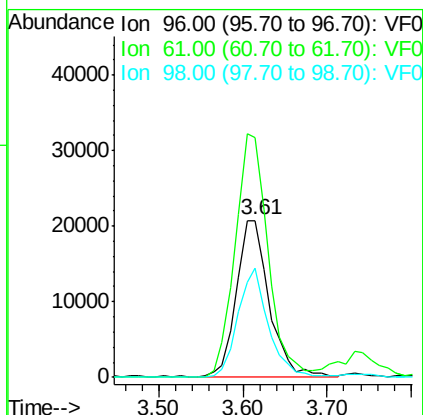
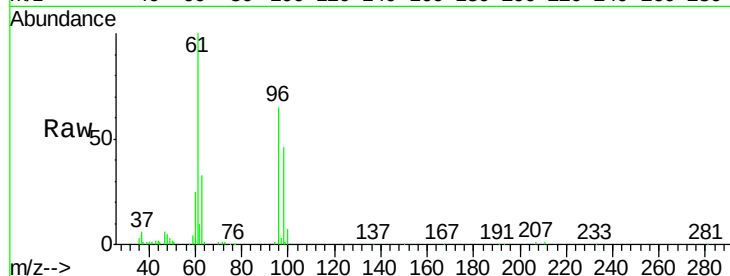


#27

cis-1,2-Dichloroethene
 Concen: 20.669 ug/l
 RT: 3.61 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

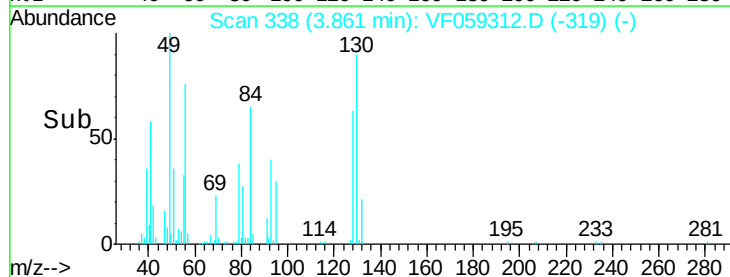
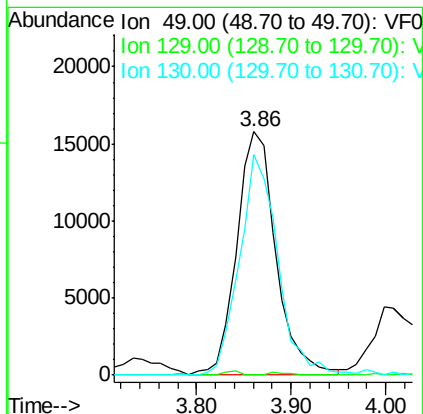
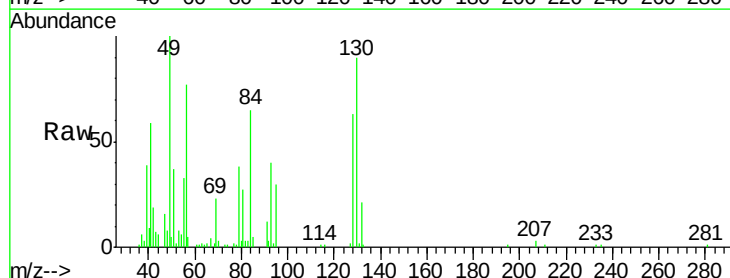
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	355.4
98	72.2	0.0	131.0

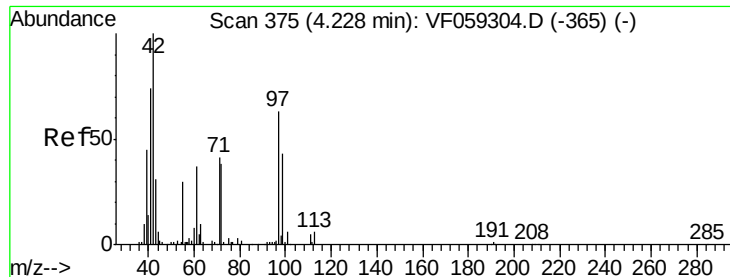


#28

Bromochloromethane
 Concen: 24.760 ug/l
 RT: 3.86 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	90.5	75.1	112.7





#29

Tetrahydrofuran

Concen: 100.800 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

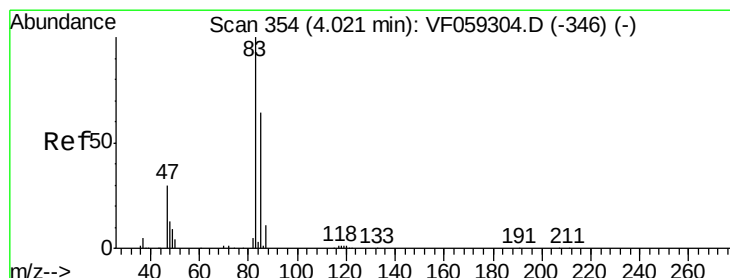
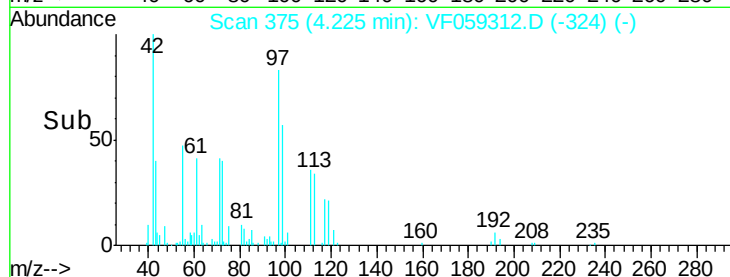
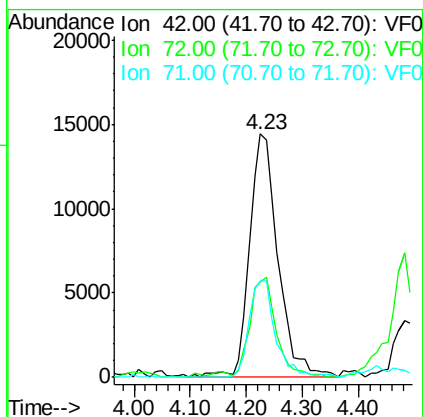
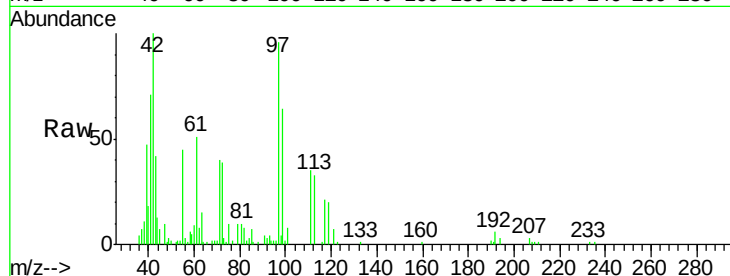
Tot Ion: 42 Resp: 50915

Ion Ratio Lower Upper

42 100

72 37.7 30.5 45.7

71 36.5 32.5 48.7



#30

Chloroform

Concen: 21.394 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF059312.D

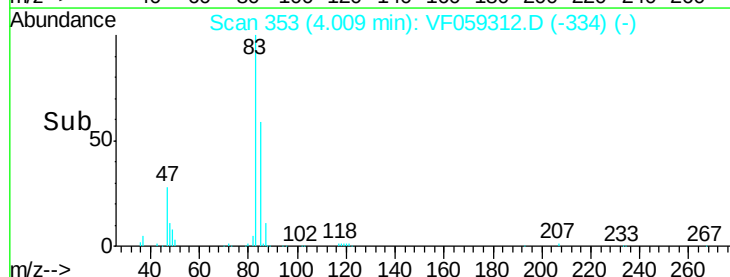
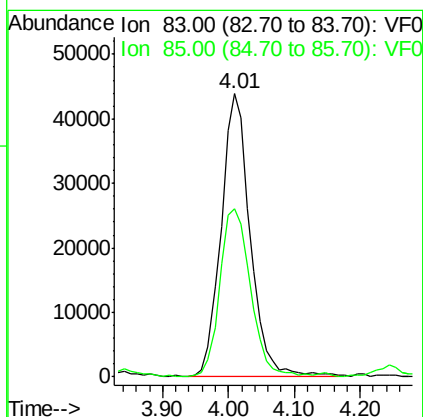
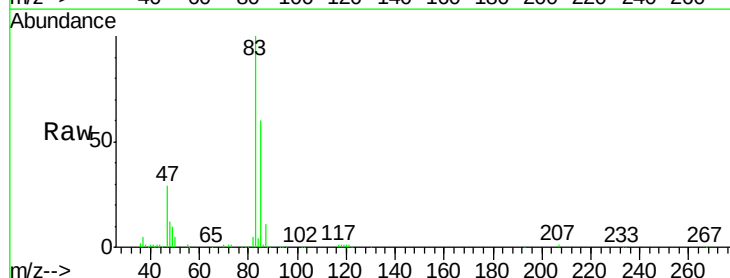
Acq: 26 Jun 2018 12:59

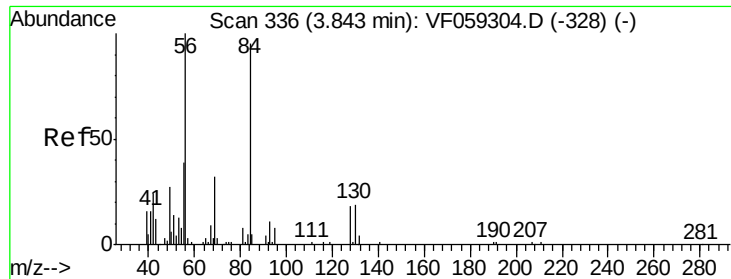
Tgt Ion: 83 Resp: 135918

Ion Ratio Lower Upper

83 100

85 59.5 51.3 76.9

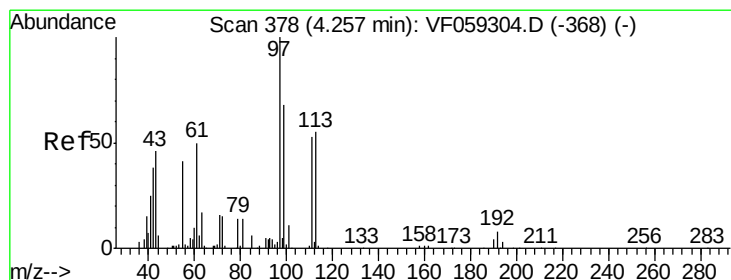
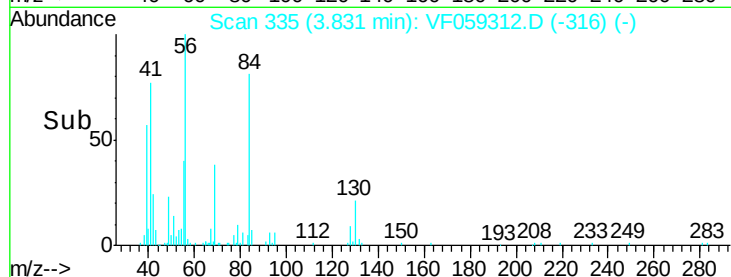
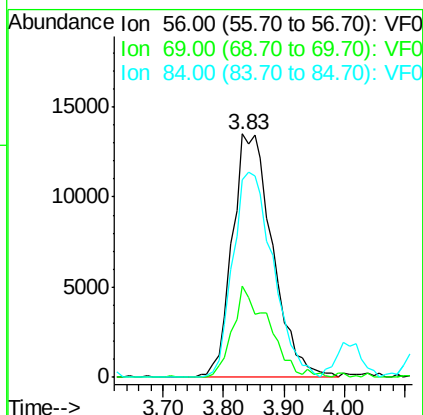
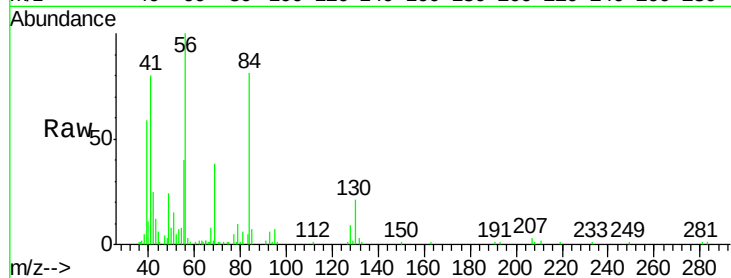




#31
Cyclohexane
Concen: 21.656 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

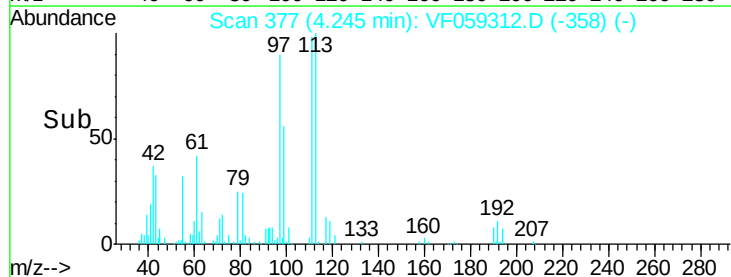
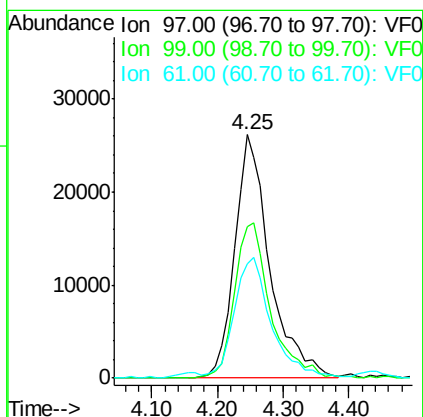
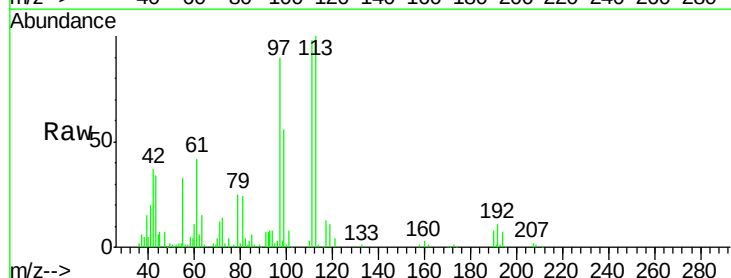
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

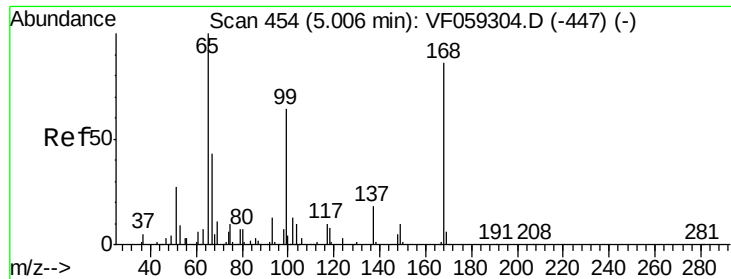
Tot Ion: 56 Resp: 62257
Ion Ratio Lower Upper
56 100
69 37.5 25.8 38.8
84 81.2 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 21.036 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion: 97 Resp: 97796
Ion Ratio Lower Upper
97 100
99 62.0 54.1 81.1
61 46.9 41.2 61.8

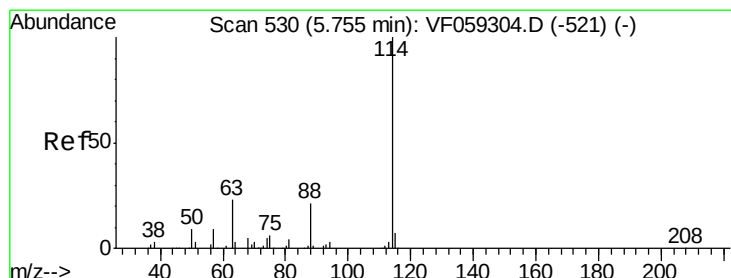
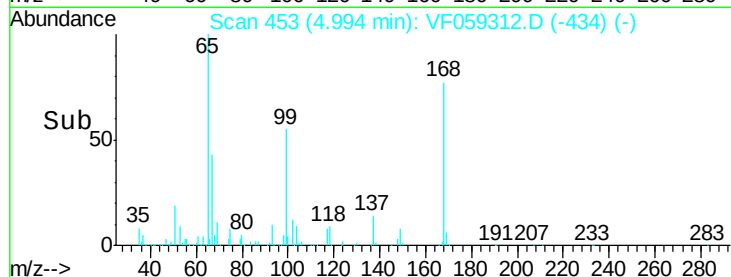
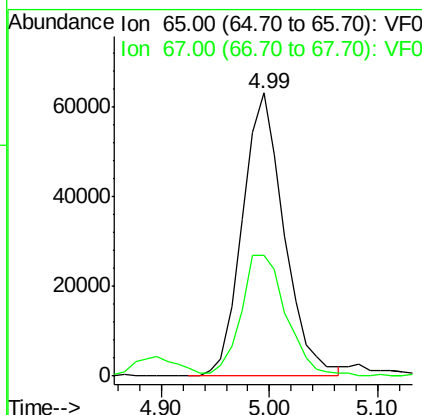
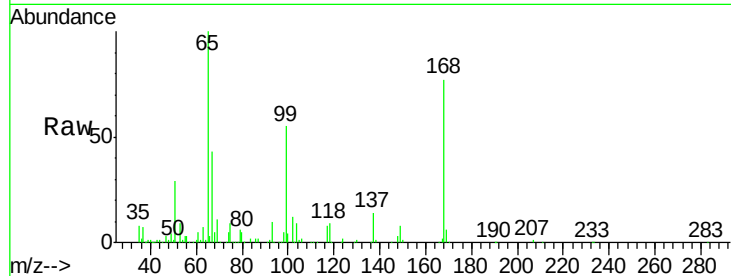




#33
 1,2-Dichloroethane-d4
 Concen: 44.900 ug/l
 RT: 4.99 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

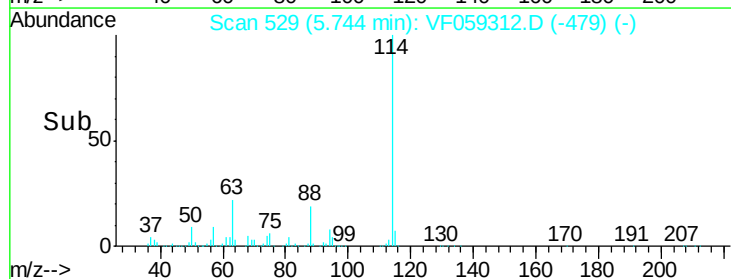
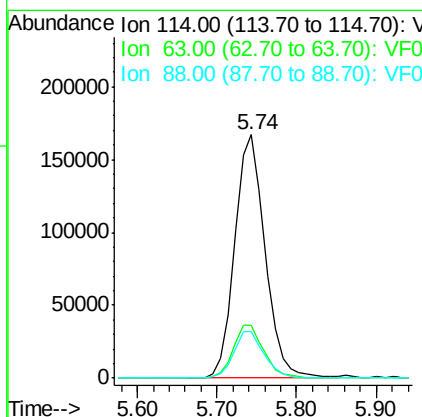
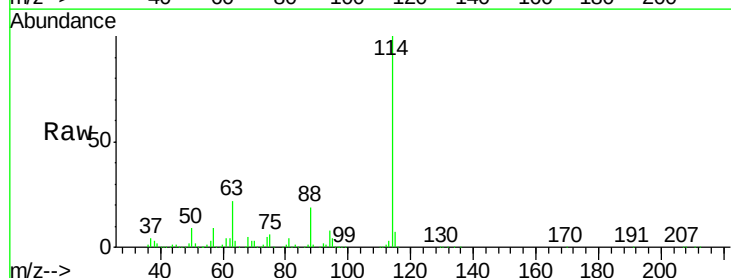
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

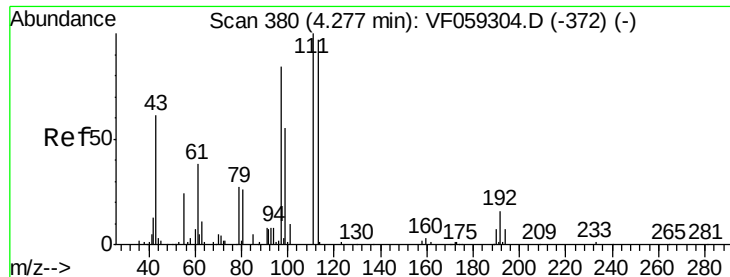
Tot Ion: 65 Resp: 167543
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion: 114 Resp: 442653
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.8
 88 19.1 0.0 41.2

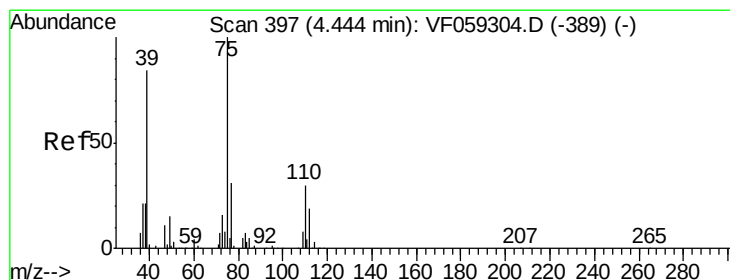
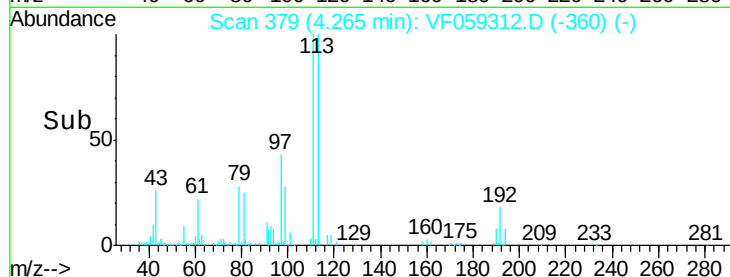
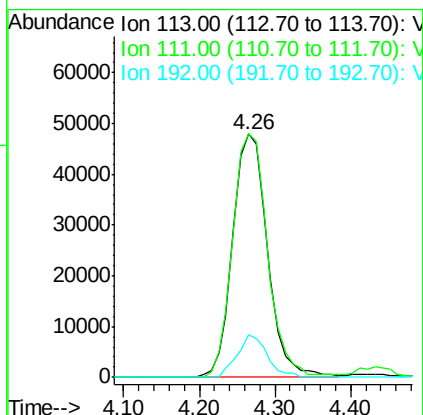
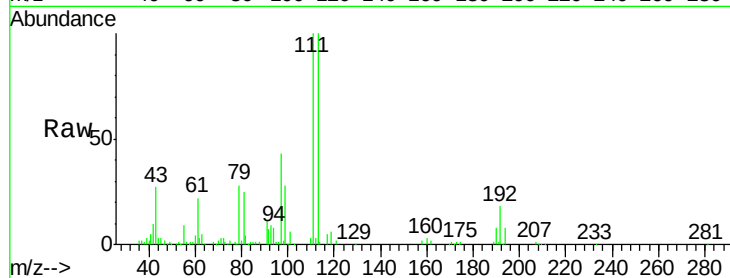




#35
 Dibromofluoromethane
 Concen: 47.138 ug/l
 RT: 4.26 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

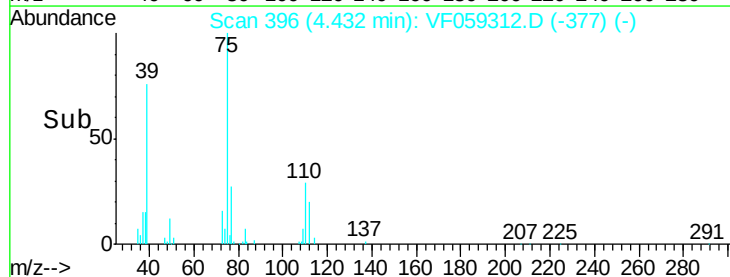
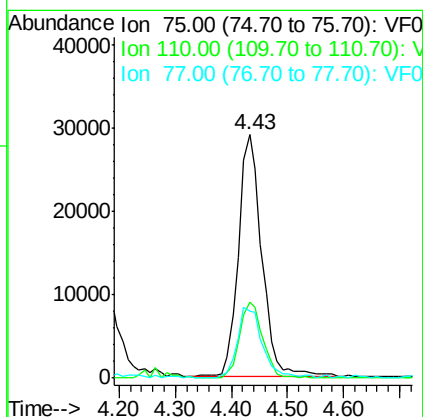
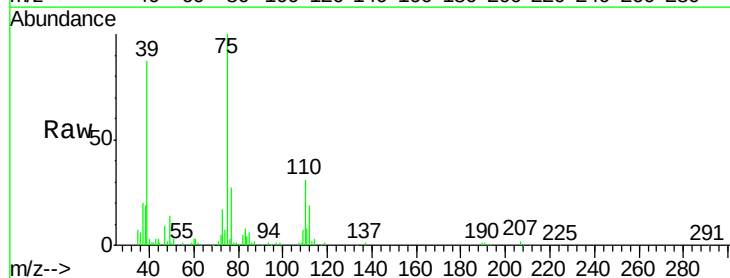
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

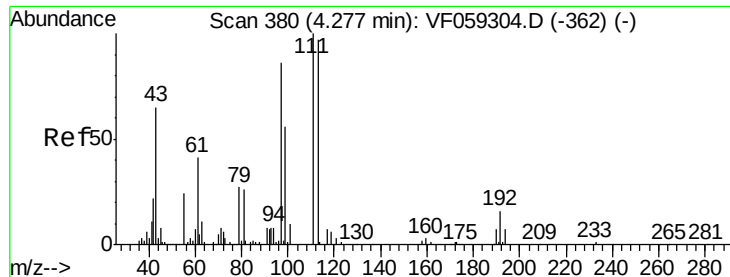
Tot Ion:113 Resp: 152458
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.1 123.1
 192 17.7 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 21.701 ug/l
 RT: 4.43 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion: 75 Resp: 83916
 Ion Ratio Lower Upper
 75 100
 110 31.3 14.8 44.4
 77 27.3 25.2 37.8





#37

Ethyl Acetate

Concen: 19.274 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

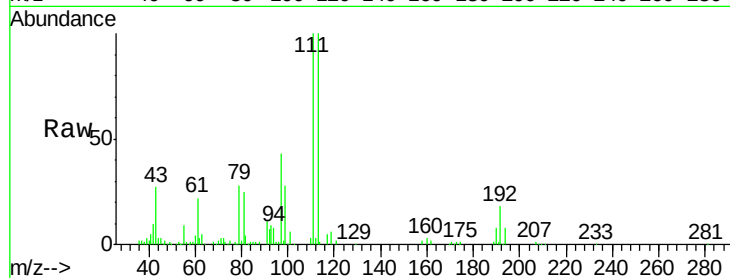
Tot Ion: 43 Resp: 49927

Ion Ratio Lower Upper

43 100

61 83.9 50.1 75.1#

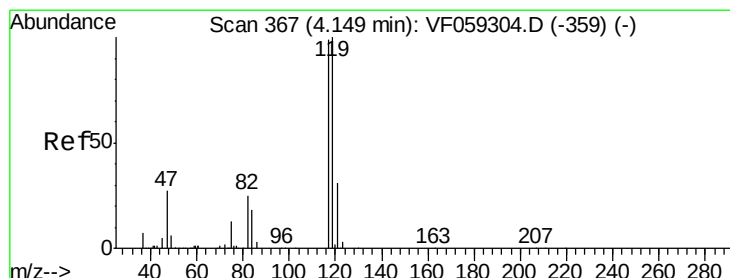
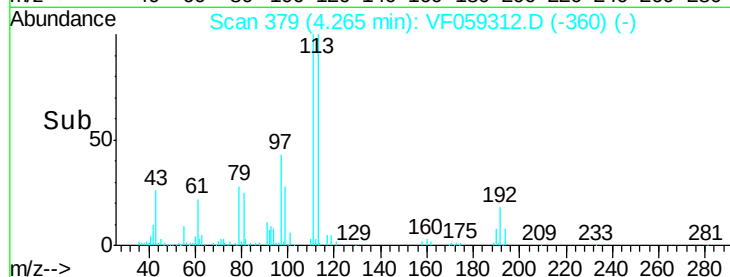
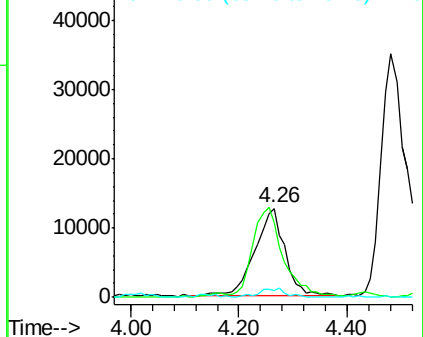
70 8.3 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.354 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

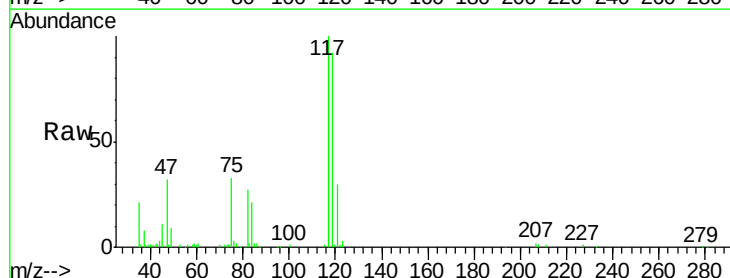
Tgt Ion: 117 Resp: 104206

Ion Ratio Lower Upper

117 100

119 91.9 81.0 121.4

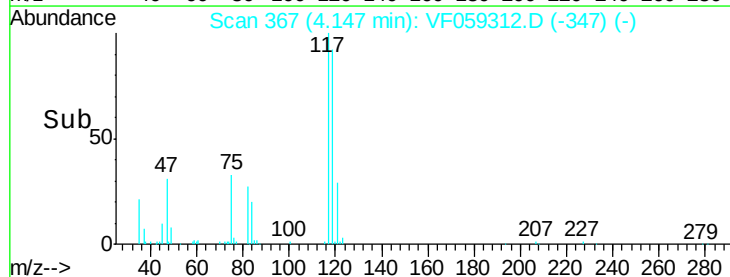
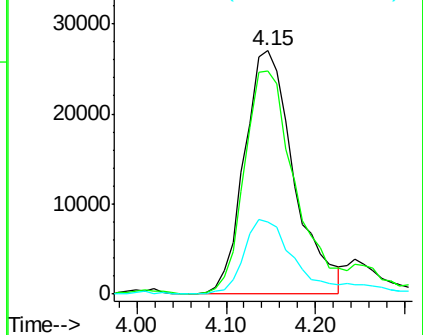
121 29.5 24.7 37.1

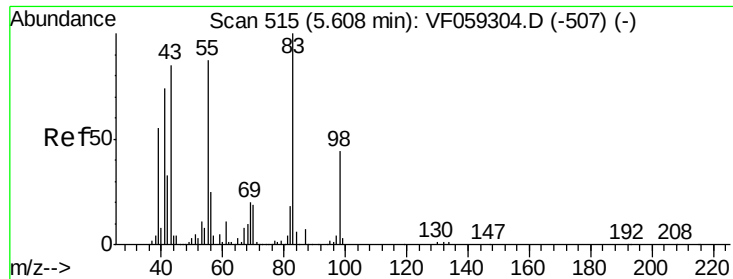


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

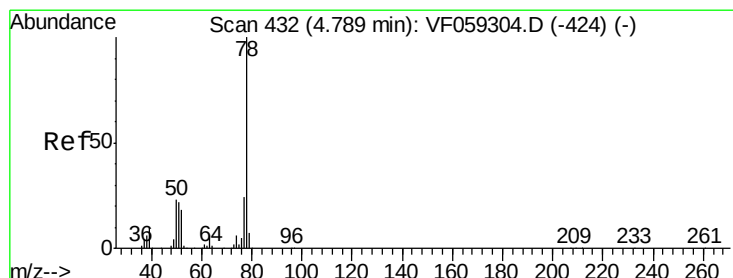
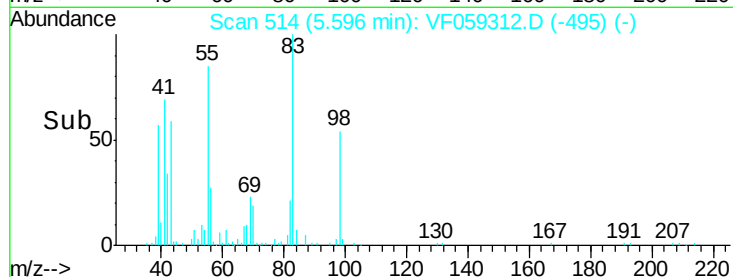
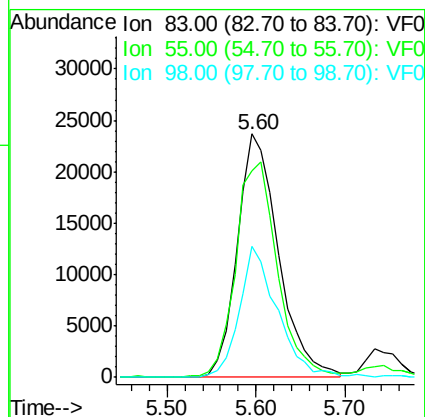
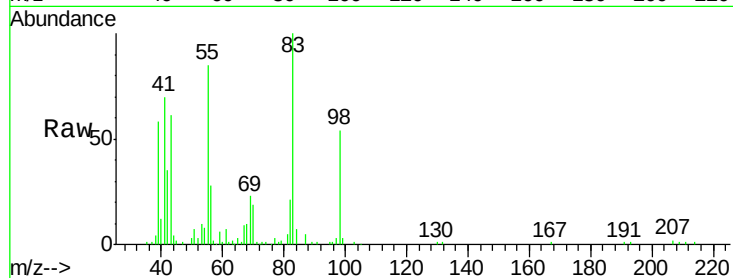




#39
Methylvlcyclohexane
Concen: 22.156 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

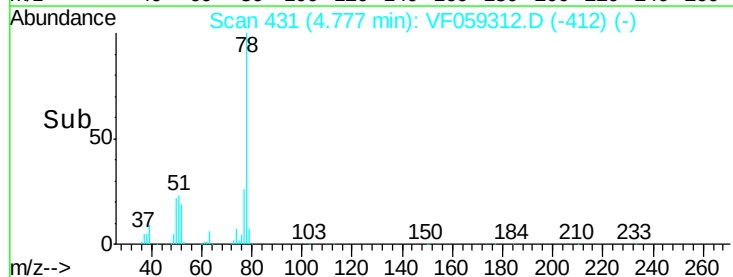
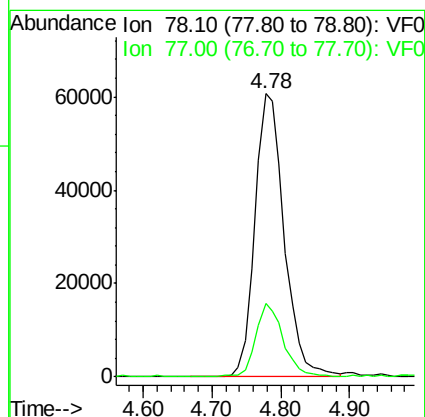
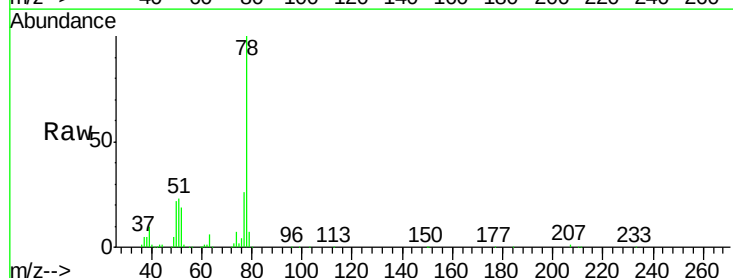
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

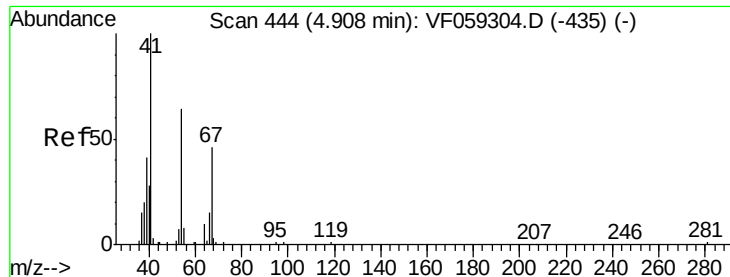
Tot Ion: 83 Resp: 75920
Ion Ratio Lower Upper
83 100
55 84.6 69.2 103.8
98 53.5 35.0 52.6#



#40
Benzene
Concen: 20.937 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion: 78 Resp: 179506
Ion Ratio Lower Upper
78 100
77 26.0 19.6 29.4

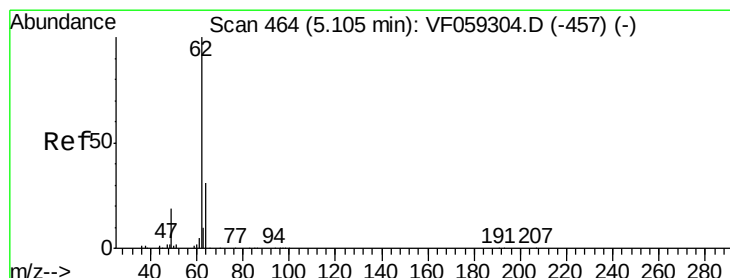
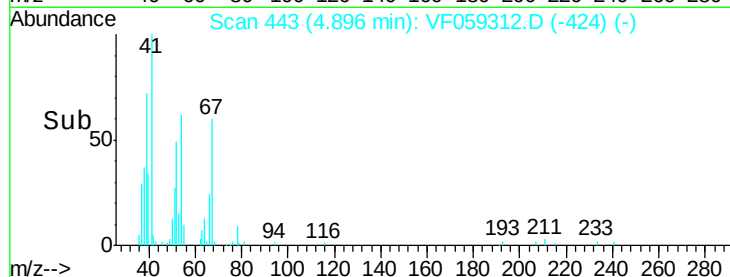
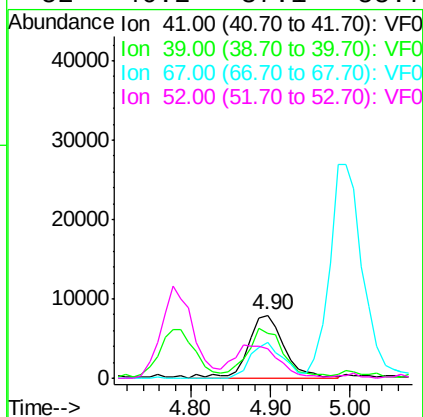
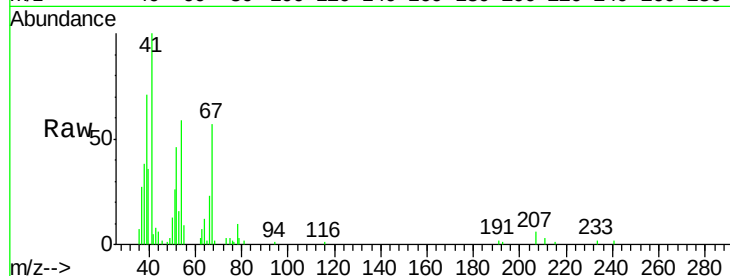




#41
Methacrylonitrile
Concen: 18.904 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

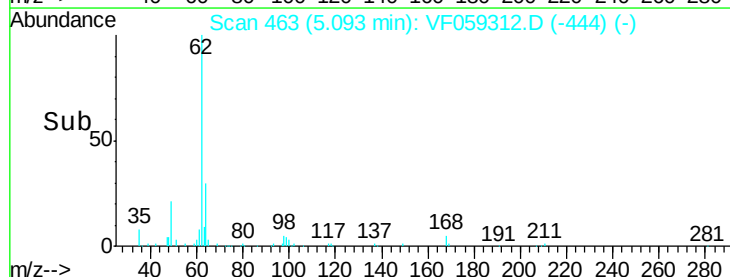
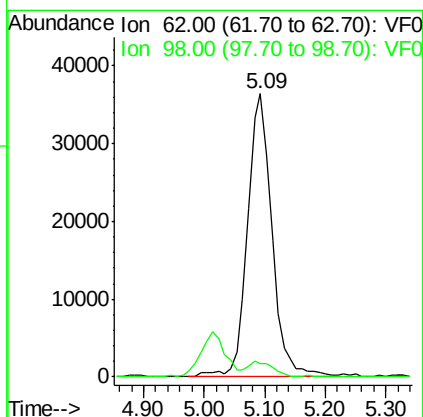
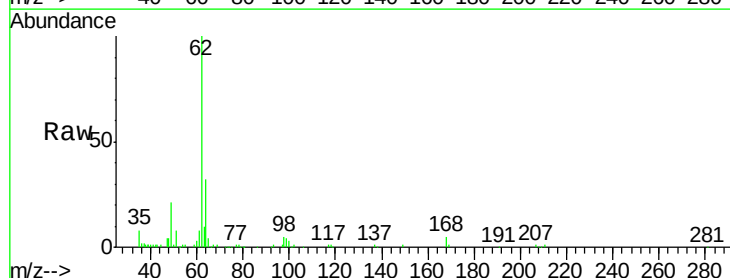
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

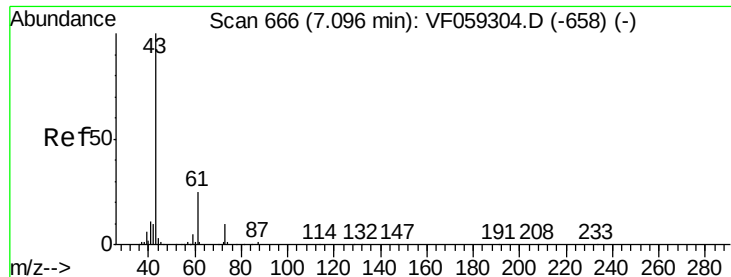
Tot Ion:	41	Resp:	24935
Ion	Ratio	Lower	Upper
41	100		
39	70.5	50.0	75.0
67	56.6	37.0	55.6#
52	46.2	37.1	55.7



#42
1,2-Dichloroethane
Concen: 20.501 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion:	62	Resp:	102711
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	11.4





#43

Isopropyl Acetate

Concen: 19.530 ug/l

RT: 7.08 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

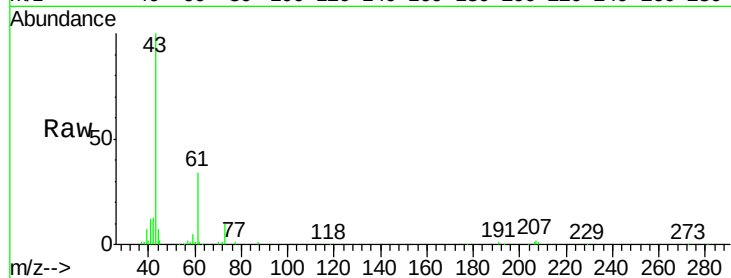
Tot Ion: 43 Resp: 62906

Ion Ratio Lower Upper

43 100

61 33.7 19.7 29.5#

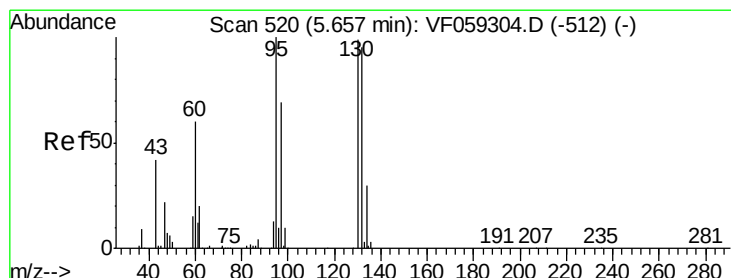
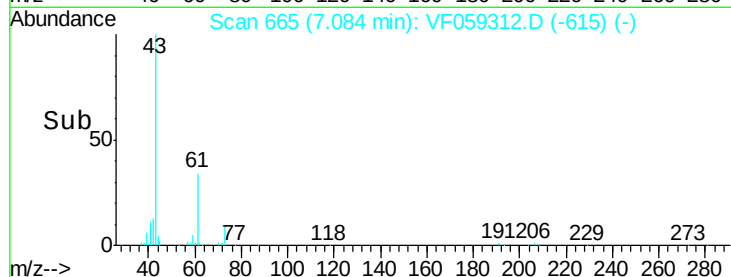
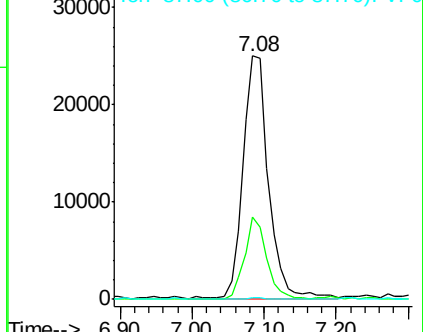
87 0.8 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.248 ug/l

RT: 5.65 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF059312.D

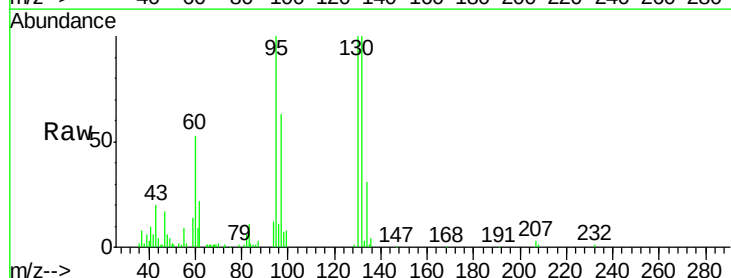
Acq: 26 Jun 2018 12:59

Tgt Ion:130 Resp: 62495

Ion Ratio Lower Upper

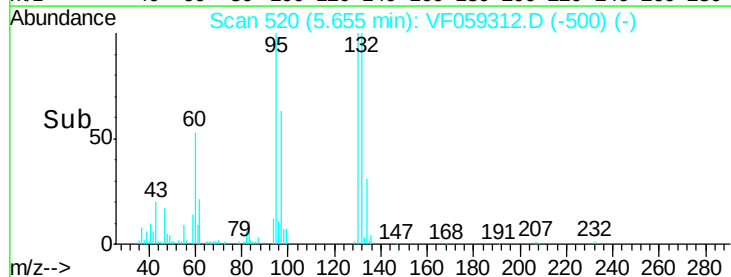
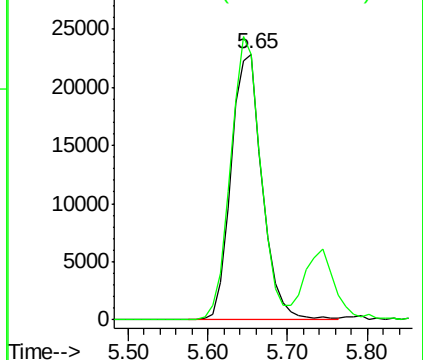
130 100

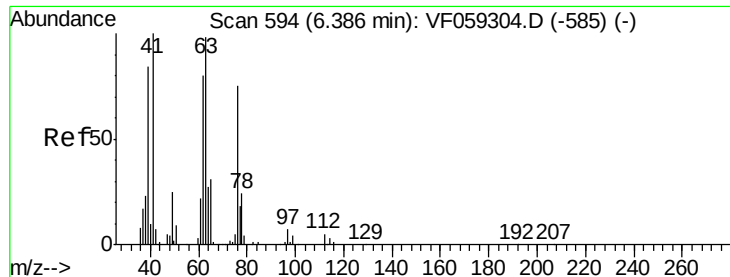
95 99.9 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.869 ug/l

RT: 6.37 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

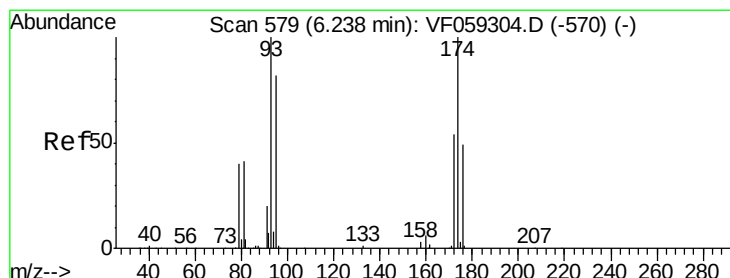
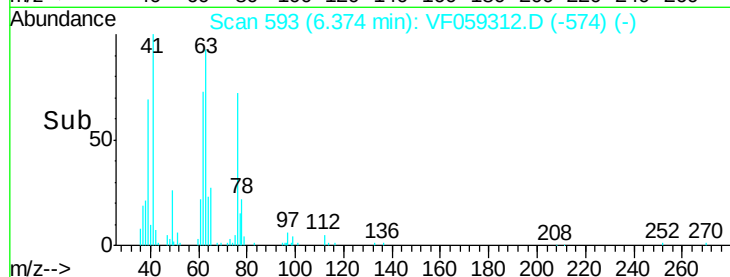
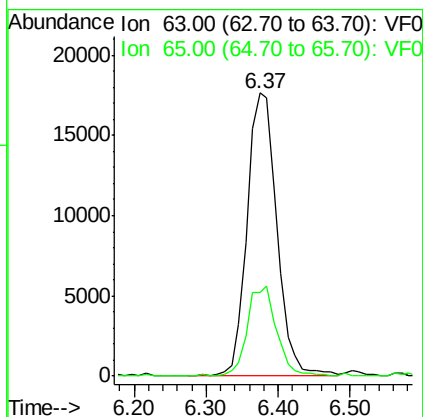
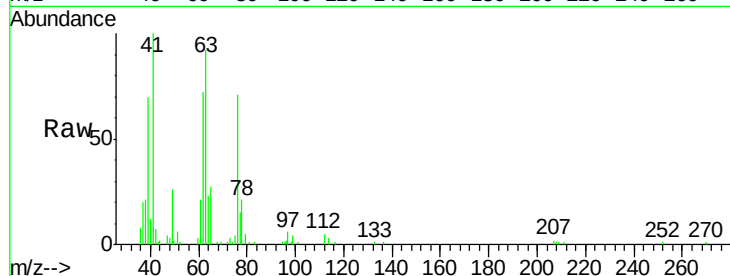
VF0626SBS01

Tot Ion: 63 Resp: 51120

Ion Ratio Lower Upper

63 100

65 29.5 25.3 37.9



#46

Dibromomethane

Concen: 20.183 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

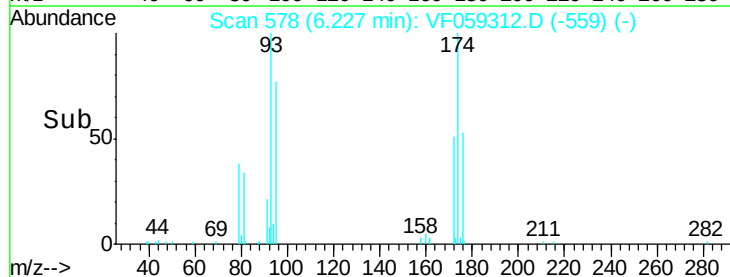
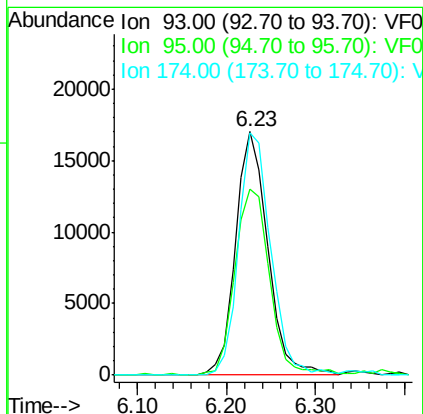
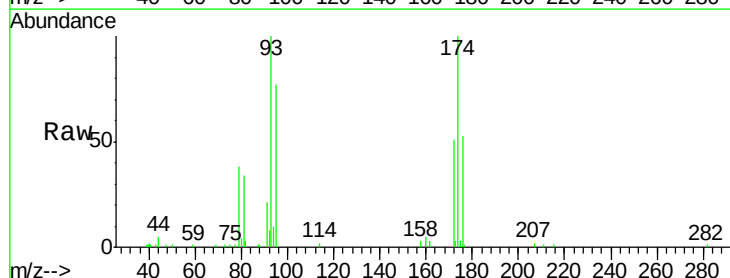
Tgt Ion: 93 Resp: 42912

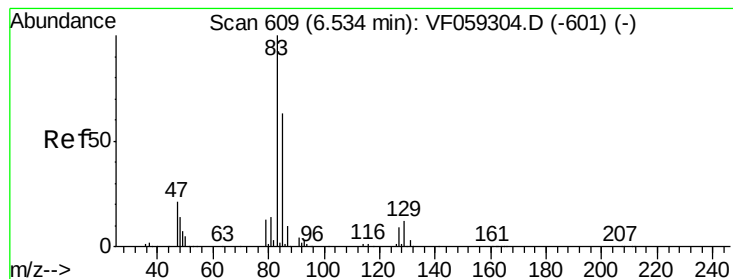
Ion Ratio Lower Upper

93 100

95 76.6 65.6 98.4

174 99.7 80.0 120.0





#47

Bromodichloromethane

Concen: 20.467 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

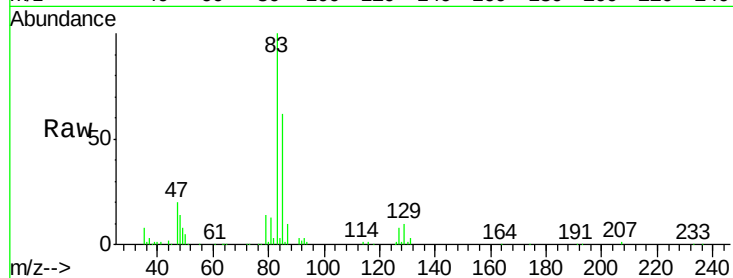
Tot Ion: 83 Resp: 105336

Ion Ratio Lower Upper

83 100

85 62.0 50.2 75.2

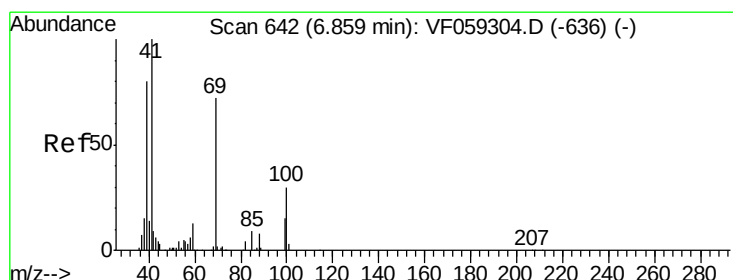
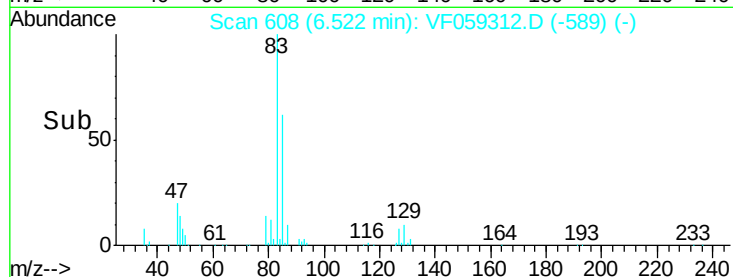
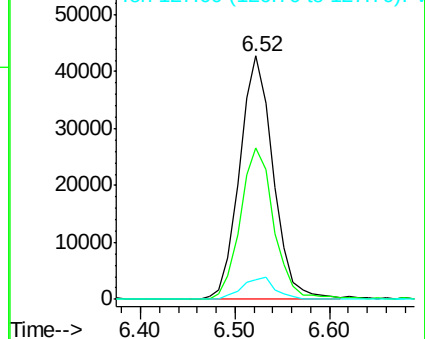
127 8.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.861 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

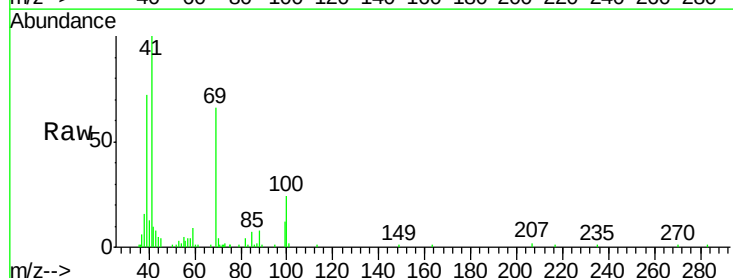
Tgt Ion: 41 Resp: 40717

Ion Ratio Lower Upper

41 100

69 65.6 57.3 85.9

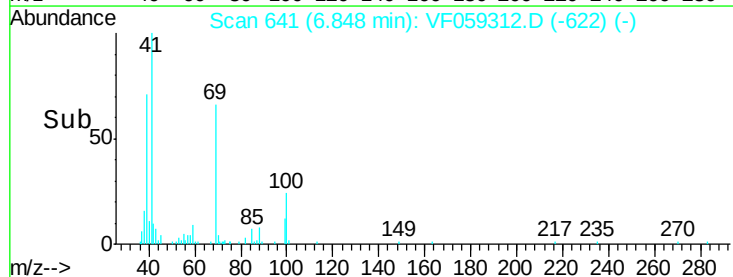
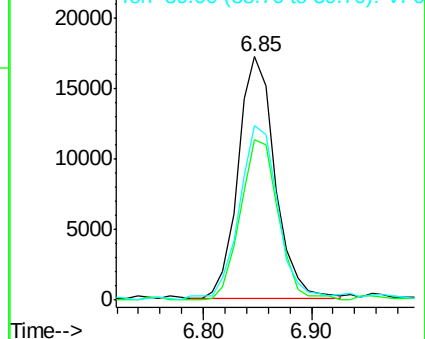
39 71.7 64.4 96.6

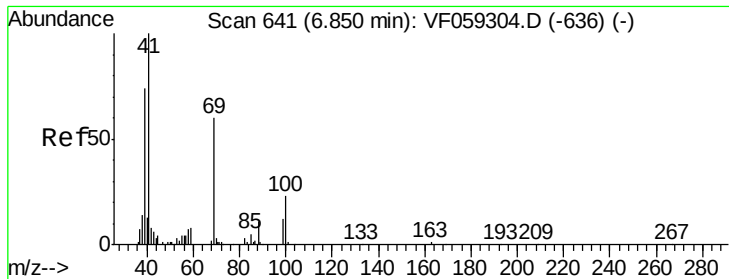


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 343.025 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

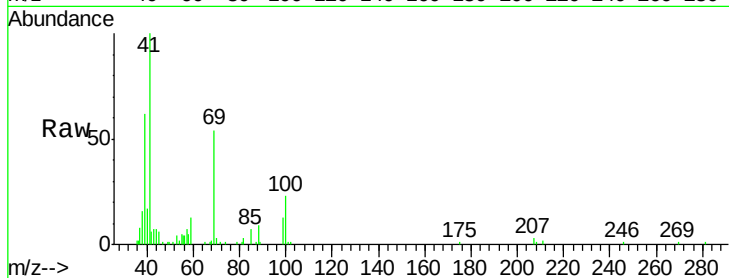
Tot Ion: 88 Resp: 4273

Ion Ratio Lower Upper

88 100

43 77.6 50.6 75.8#

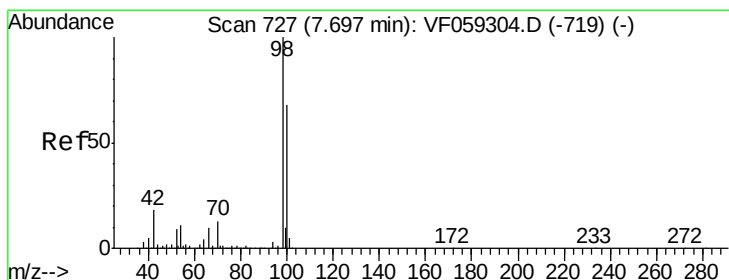
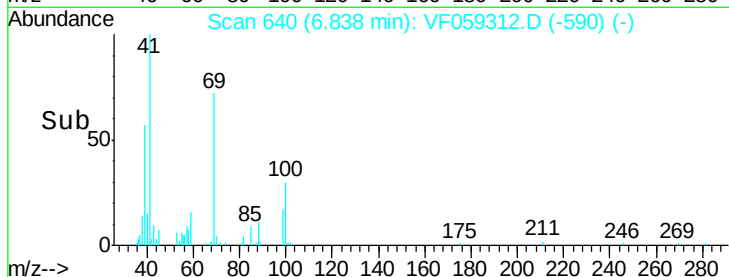
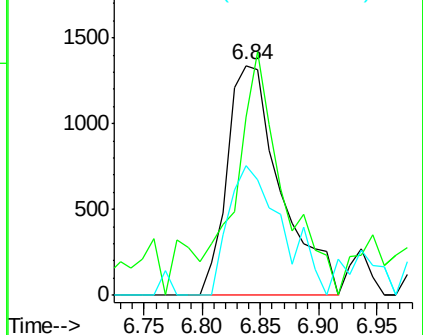
58 56.5 46.6 69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.826 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059312.D

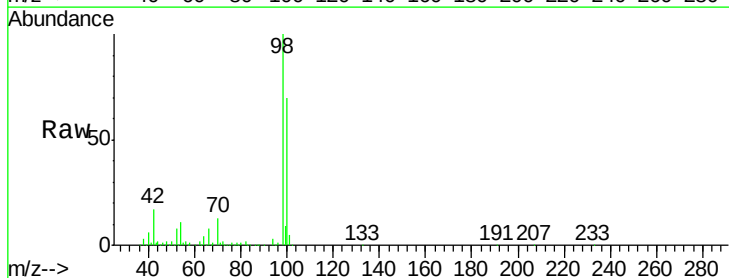
Acq: 26 Jun 2018 12:59

Tgt Ion: 98 Resp: 382986

Ion Ratio Lower Upper

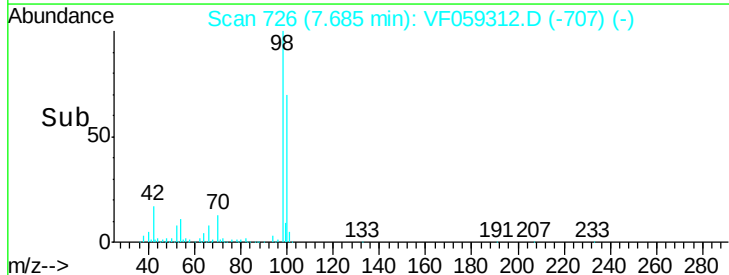
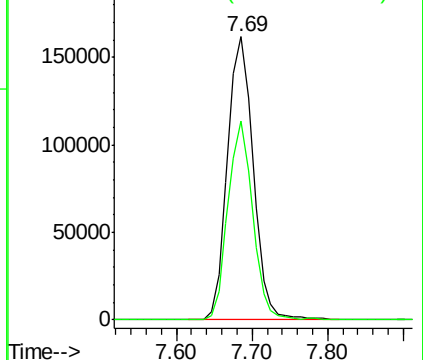
98 100

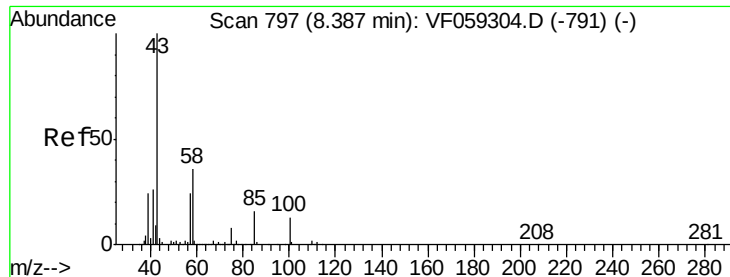
100 70.4 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 100.236 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

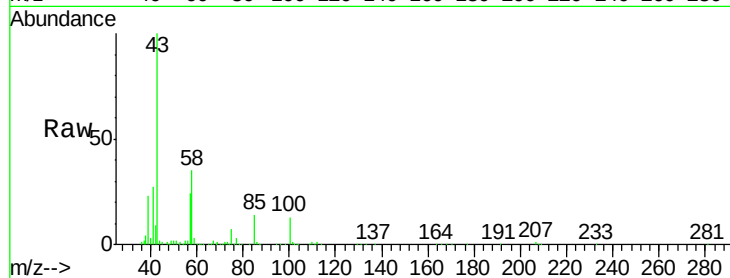
VF0626SBS01

Tot Ion: 43 Resp: 239188

Ion Ratio Lower Upper

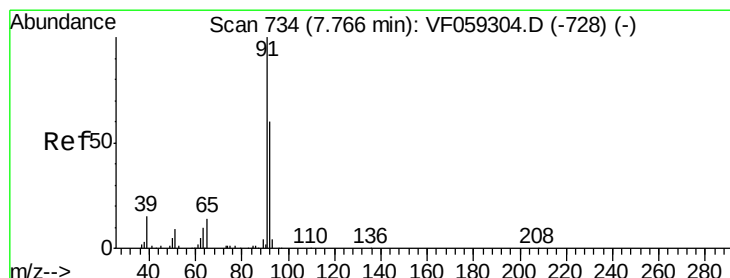
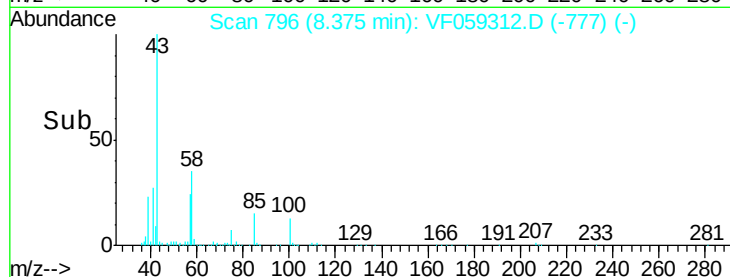
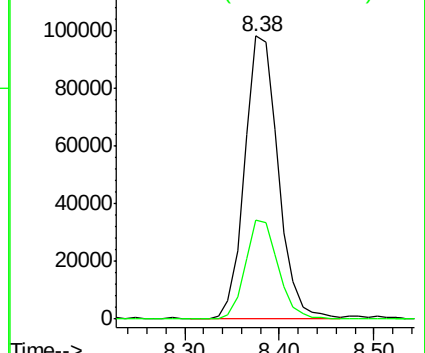
43 100

58 35.1 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.157 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059312.D

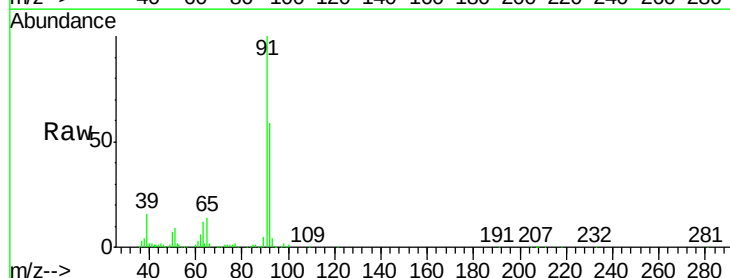
Acq: 26 Jun 2018 12:59

Tgt Ion: 92 Resp: 129317

Ion Ratio Lower Upper

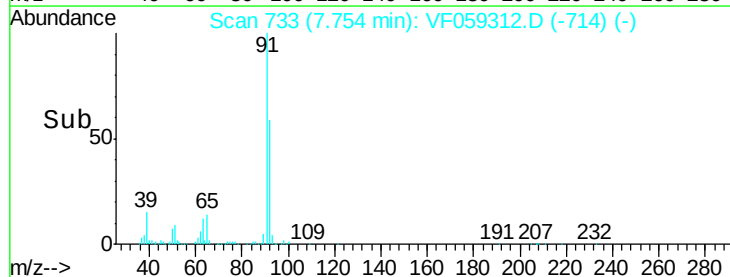
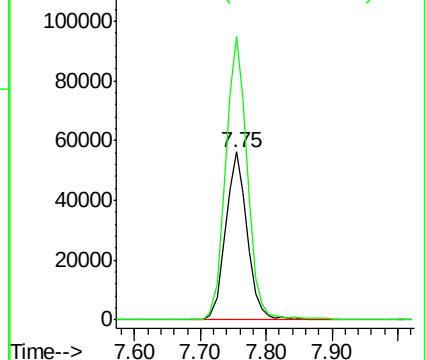
92 100

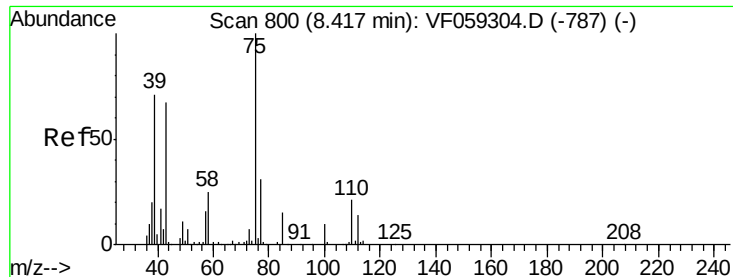
91 168.4 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.769 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

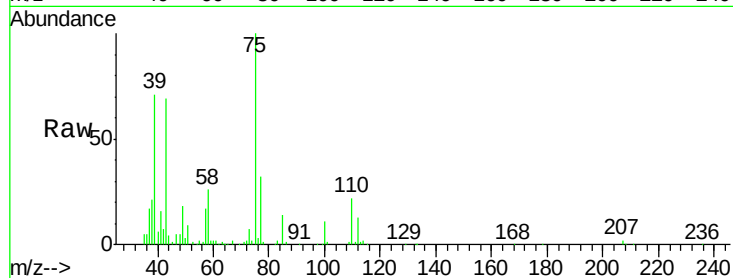
VF0626SBS01

Tot Ion: 75 Resp: 97431

Ion Ratio Lower Upper

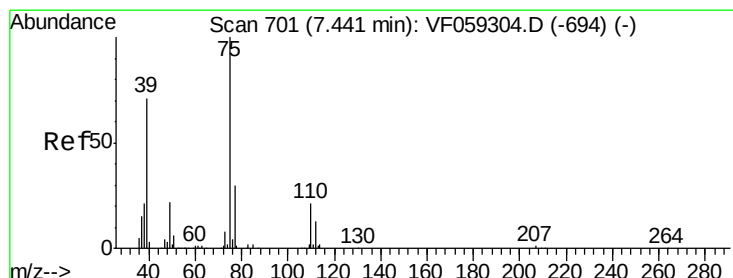
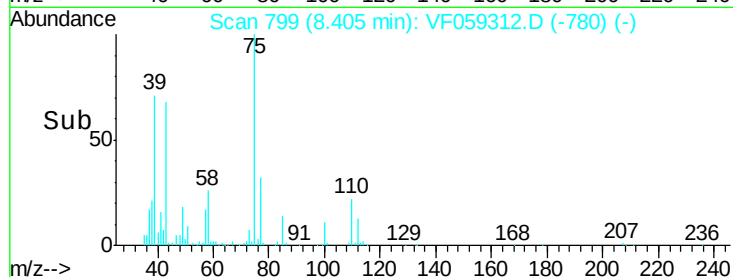
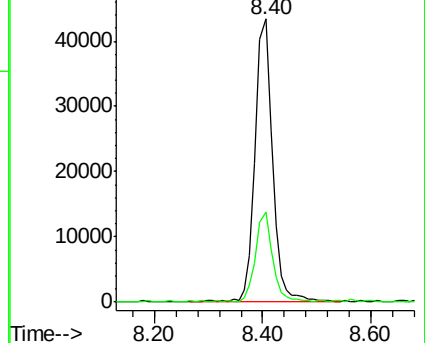
75 100

77 32.0 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.960 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

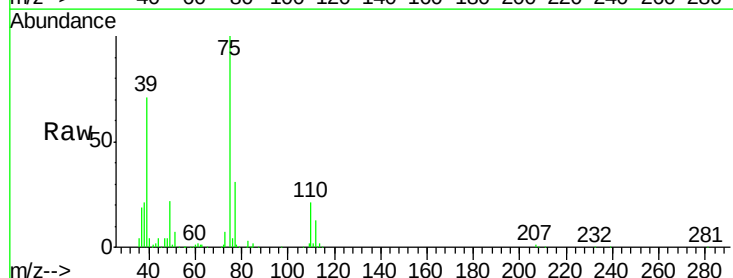
Tgt Ion: 75 Resp: 101713

Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

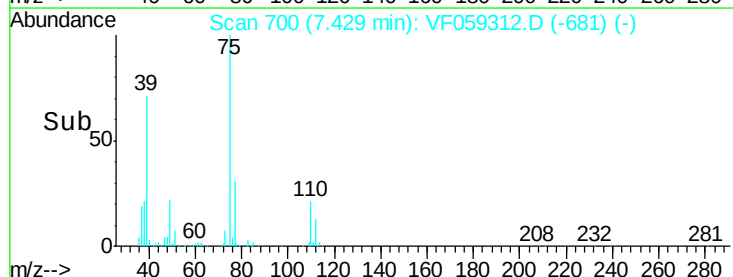
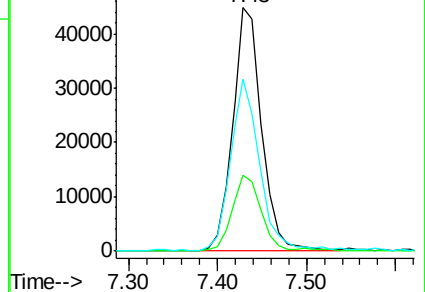
39 70.7 57.2 85.8

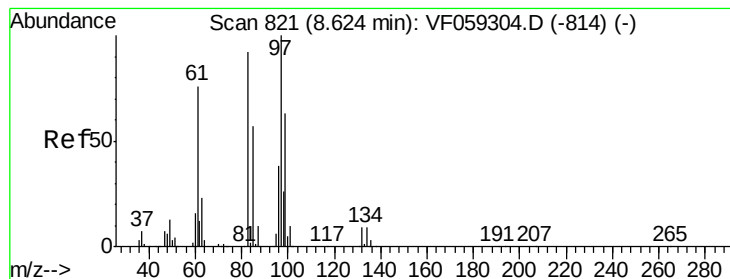


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.158 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 97 Resp: 50212

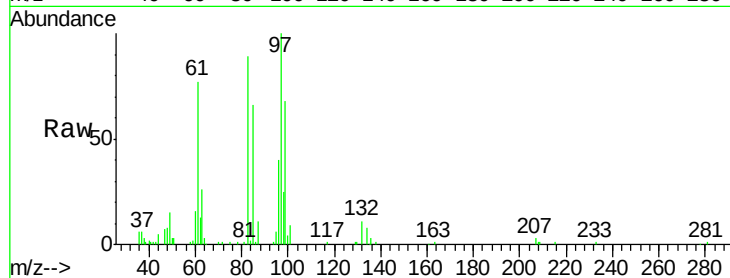
Ion Ratio Lower Upper

97 100

83 88.9 73.8 110.8

85 66.2 45.5 68.3

99 67.9 50.7 76.1

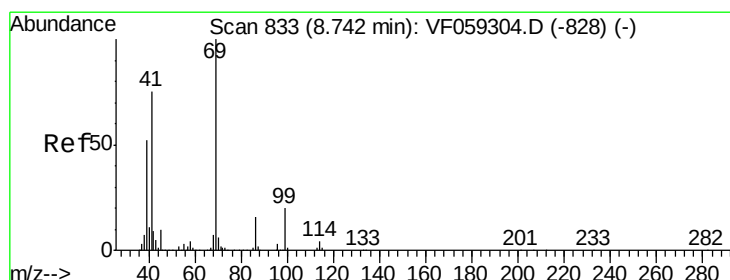
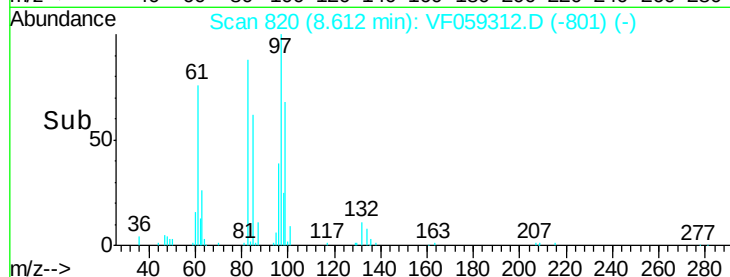
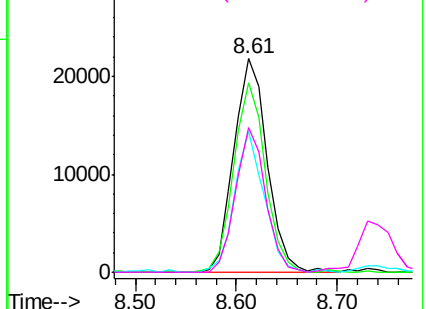


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 18.482 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

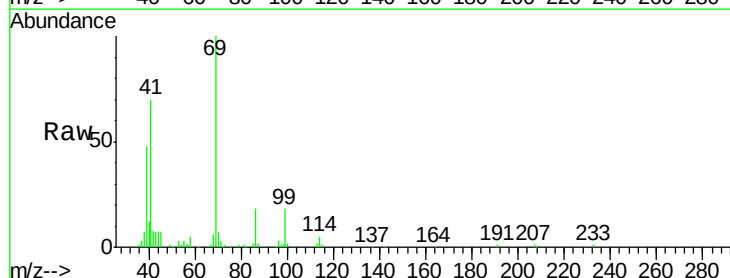
Tgt Ion: 69 Resp: 57030

Ion Ratio Lower Upper

69 100

41 70.3 60.3 90.5

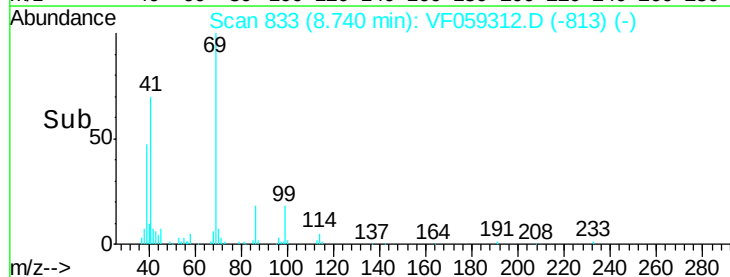
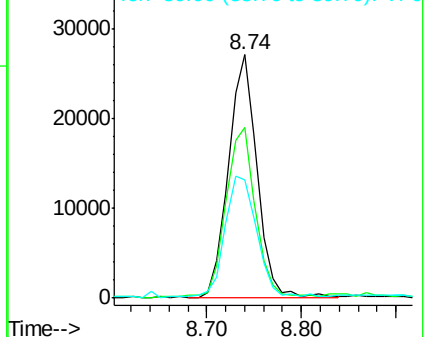
39 48.3 42.2 63.4

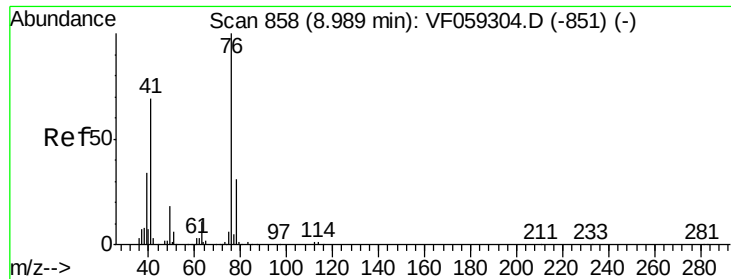


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

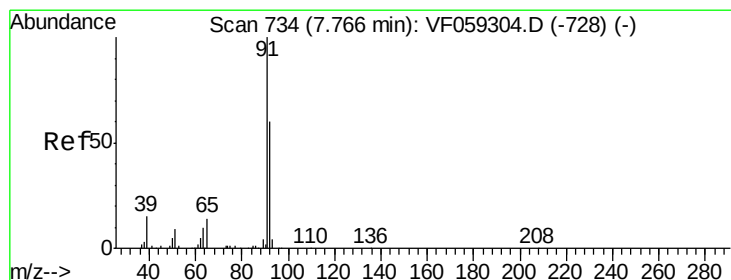
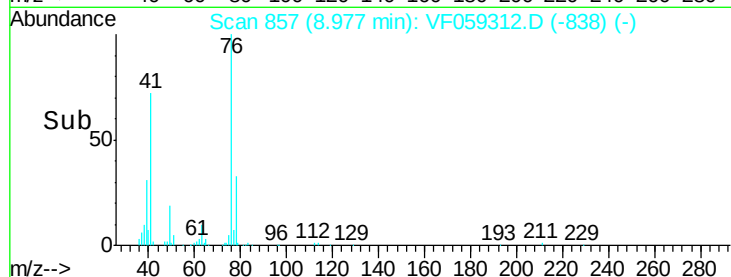
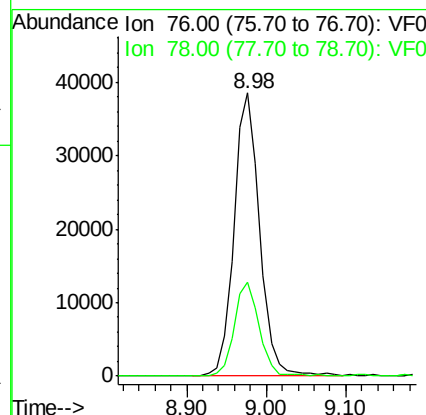
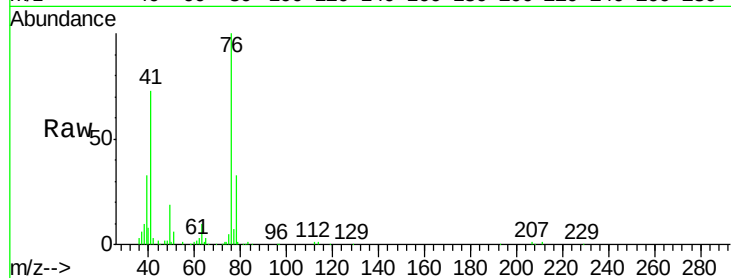




#57
 1,3-Dichloropropane
 Concen: 20.310 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

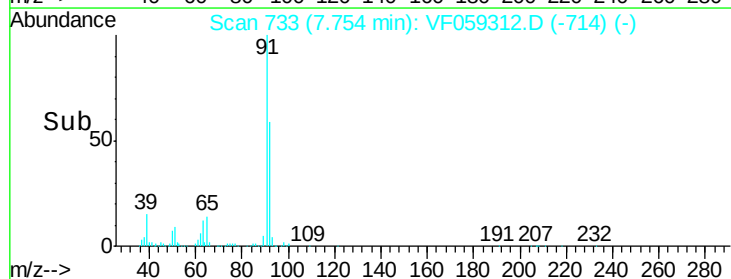
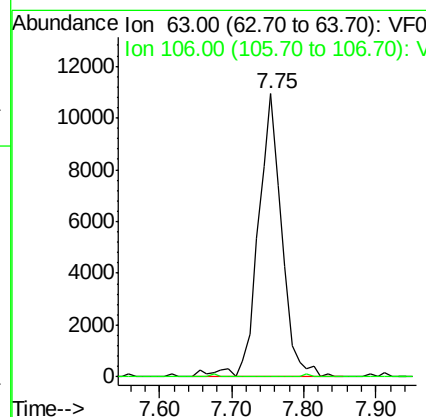
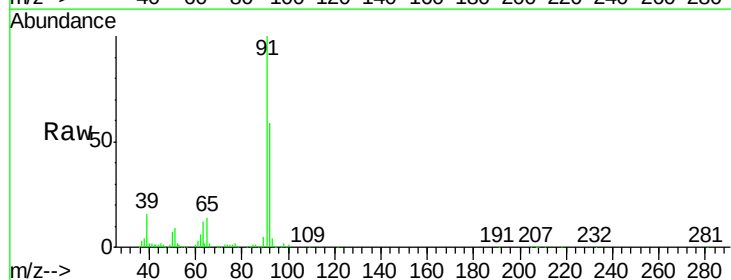
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

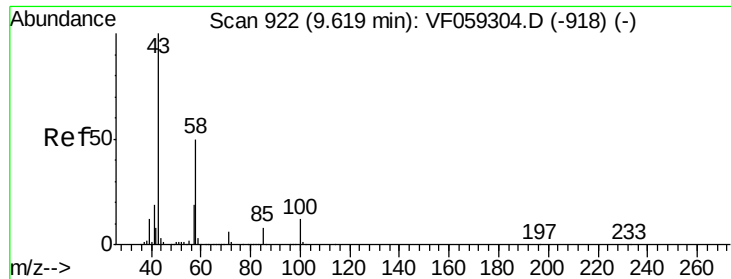
Tot Ion: 76 Resp: 86764
 Ion Ratio Lower Upper
 76 100
 78 33.1 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.464 ug/l
 RT: 7.75 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion: 63 Resp: 24870
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

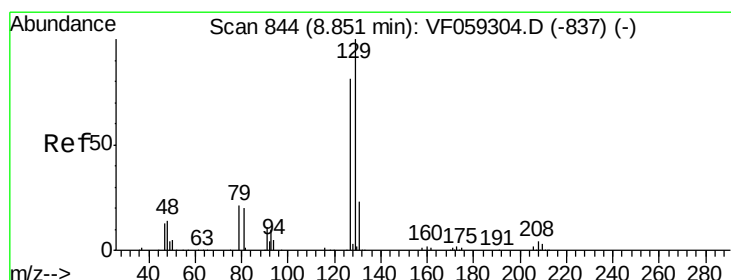
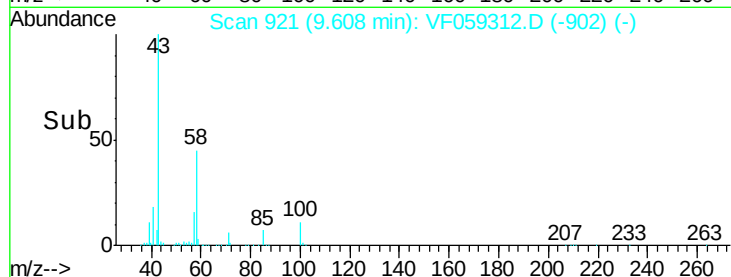
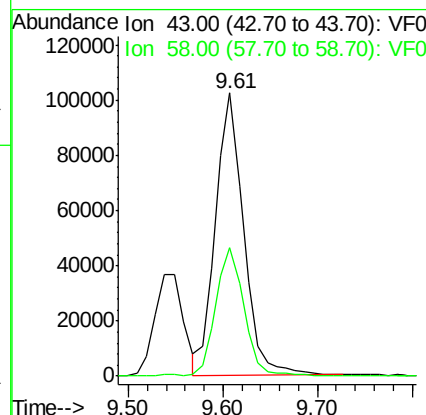
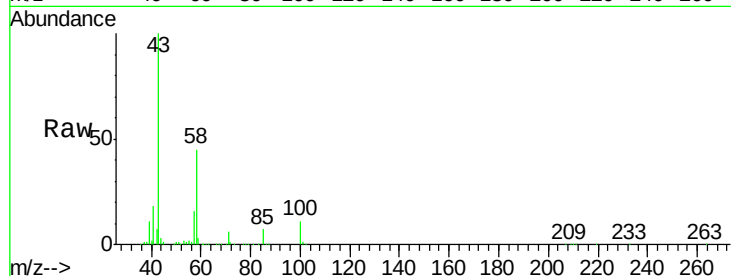




#59
2-Hexanone
Concen: 108.421 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

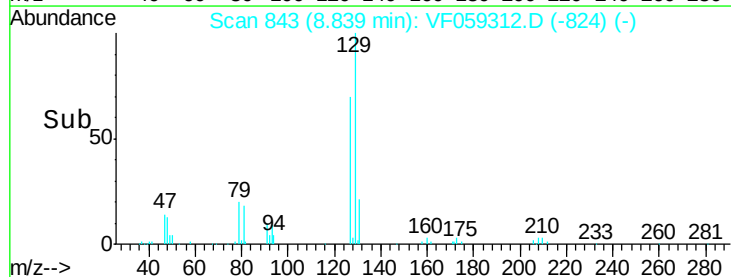
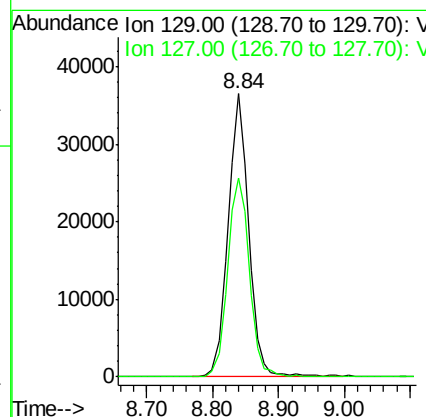
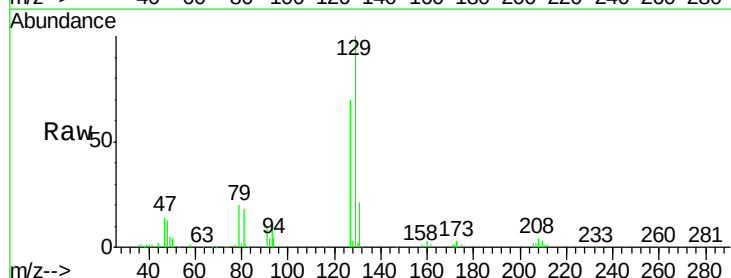
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

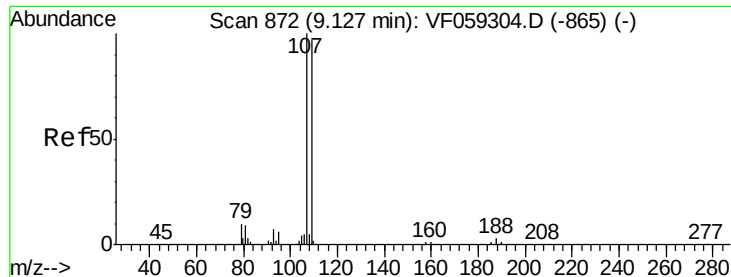
Tot Ion: 43 Resp: 211521
Ion Ratio Lower Upper
43 100
58 45.4 23.3 69.9



#60
Dibromochloromethane
Concen: 20.871 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion: 129 Resp: 80261
Ion Ratio Lower Upper
129 100
127 70.2 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.161 ug/l

RT: 9.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

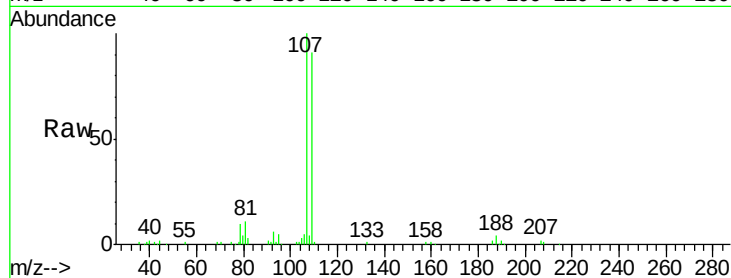
VF0626SBS01

Tot Ion:107 Resp: 60907

Ion Ratio Lower Upper

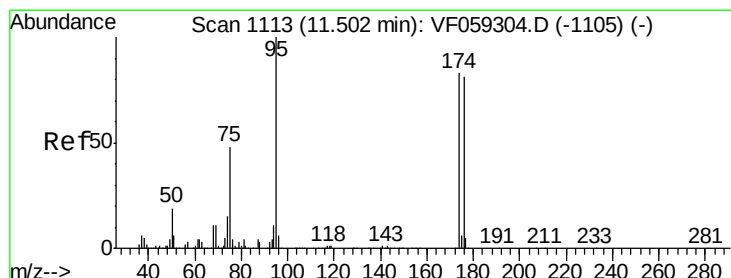
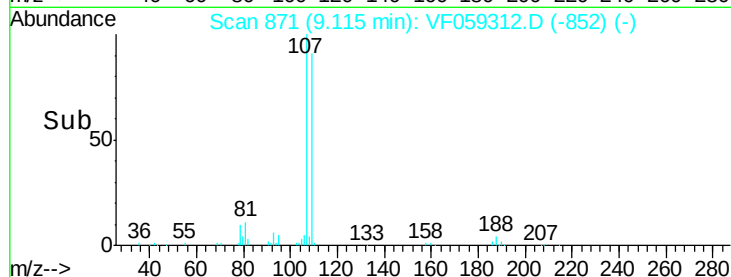
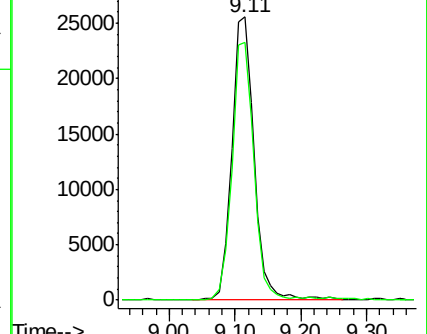
107 100

109 90.9 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.864 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

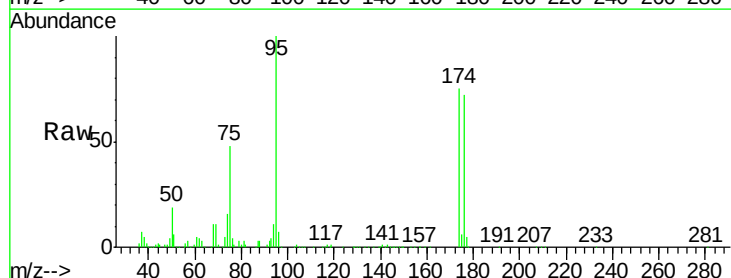
Tgt Ion: 95 Resp: 216211

Ion Ratio Lower Upper

95 100

174 75.2 0.0 165.2

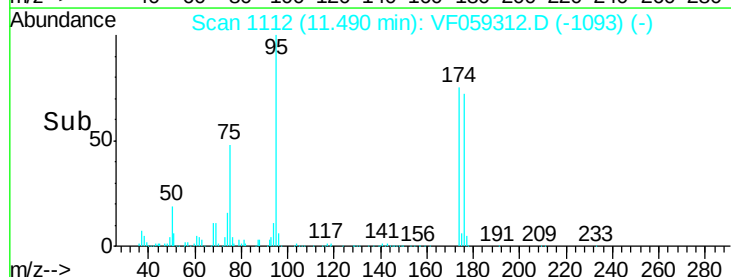
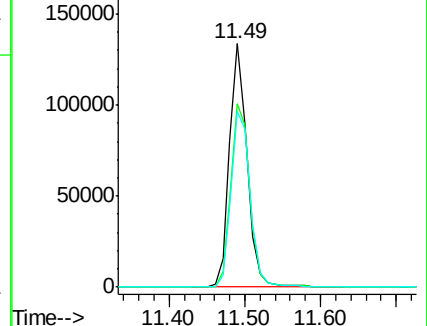
176 72.4 0.0 161.0

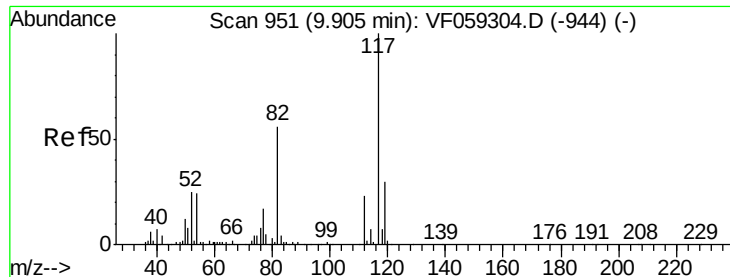


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

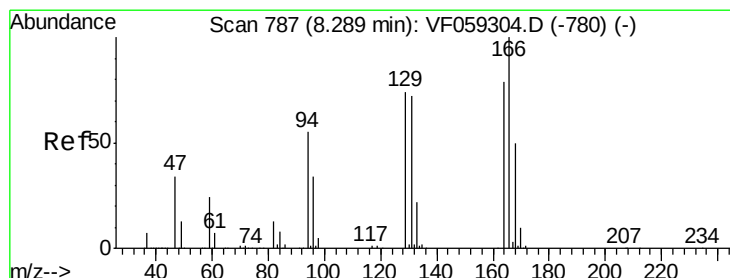
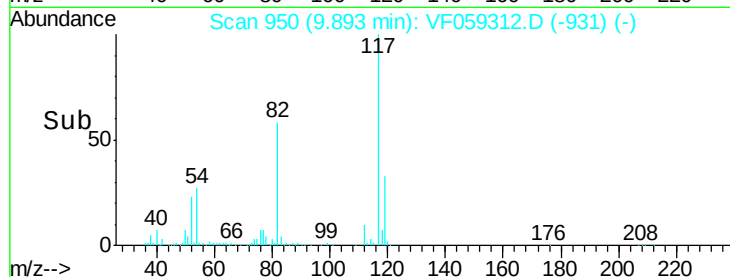
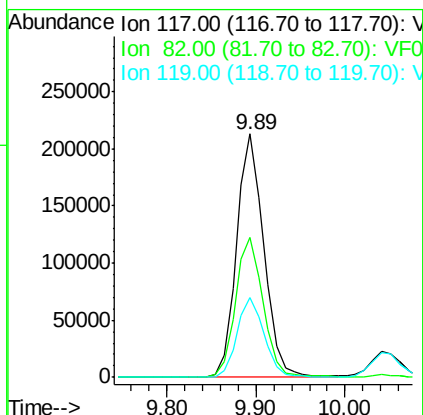
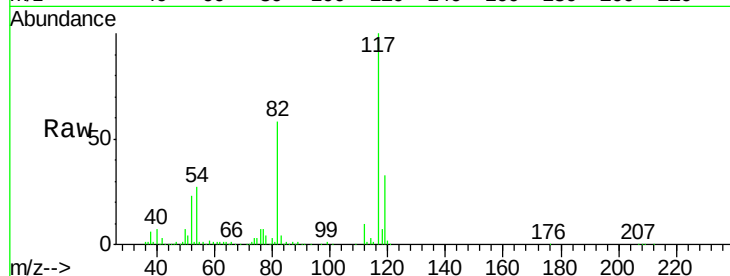




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

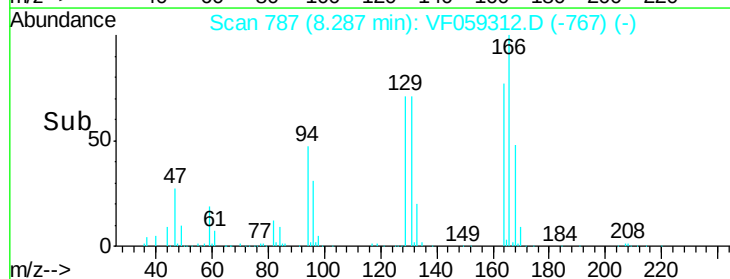
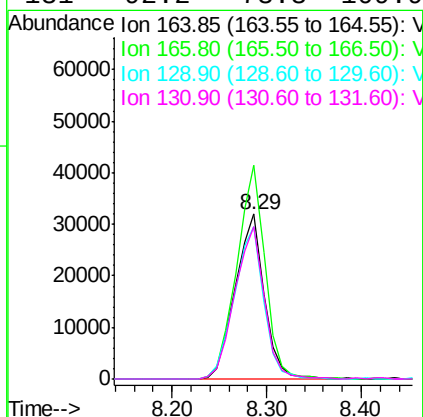
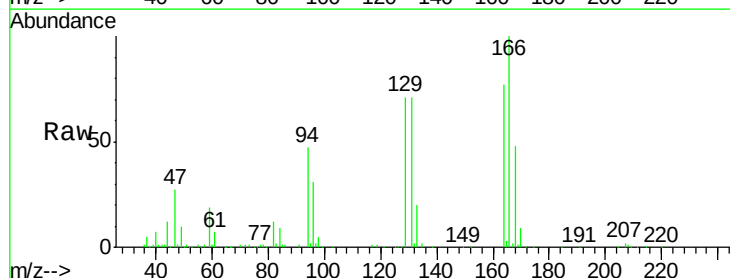
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

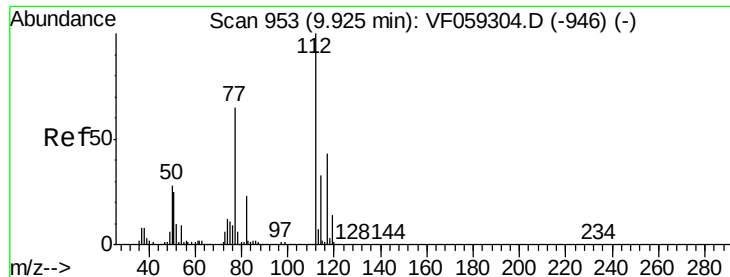
Tot Ion:117 Resp: 454389
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 32.6 24.1 36.1



#64
Tetrachloroethene
Concen: 23.048 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion:164 Resp: 67925
Ion Ratio Lower Upper
164 100
166 129.5 101.1 151.7
129 92.3 75.0 112.4
131 92.2 73.3 109.9





#65

Chlorobenzene

Concen: 20.213 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

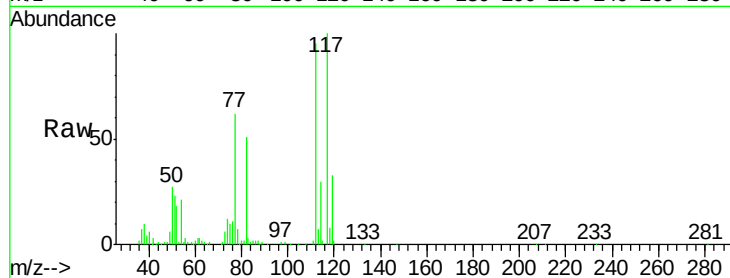
VF0626SBS01

Tot Ion:112 Resp: 170190

Ion Ratio Lower Upper

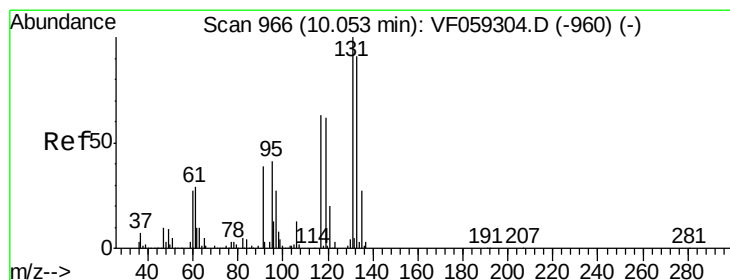
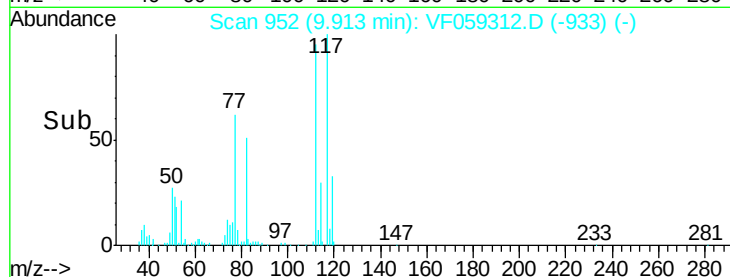
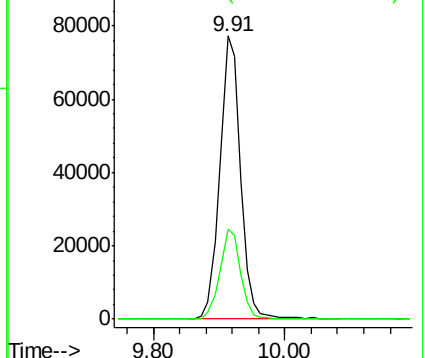
112 100

114 31.8 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.373 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

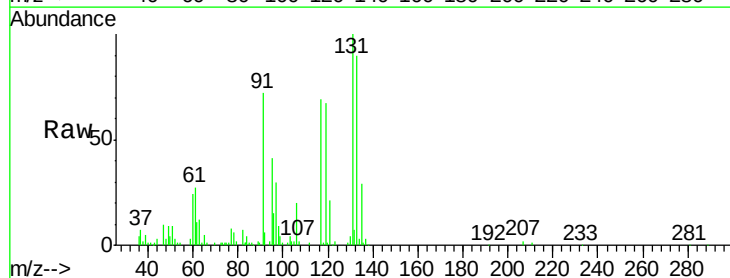
Tgt Ion:131 Resp: 74190

Ion Ratio Lower Upper

131 100

133 89.9 45.3 135.9

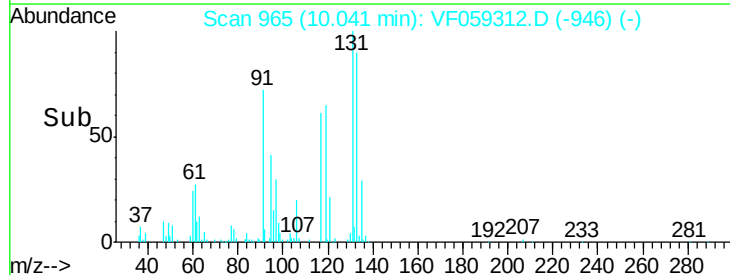
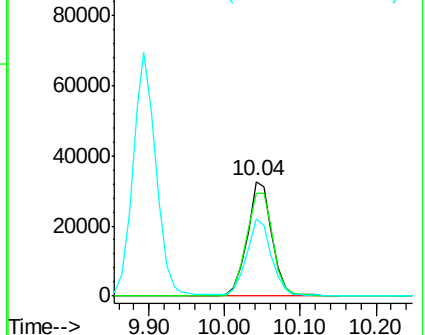
119 67.5 31.3 93.9

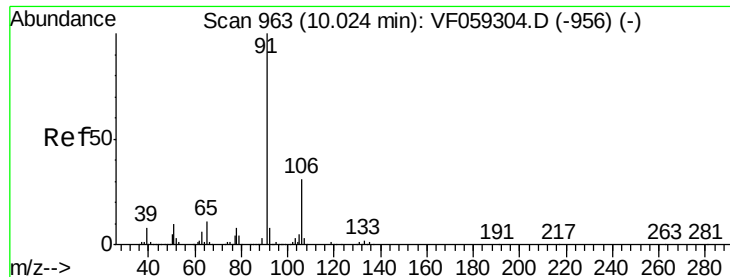


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.532 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

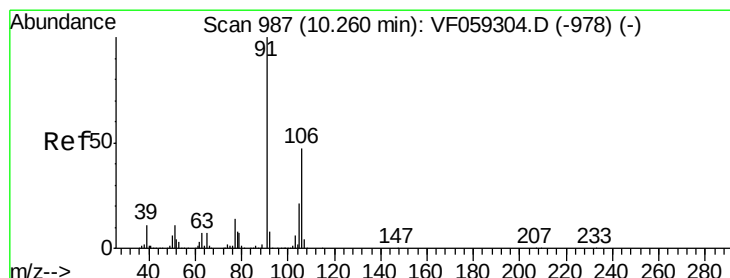
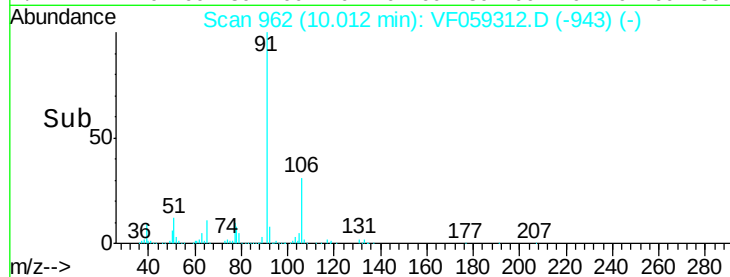
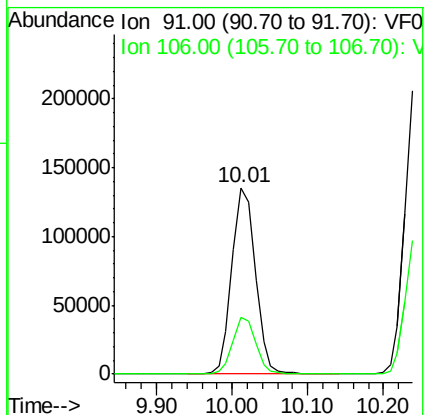
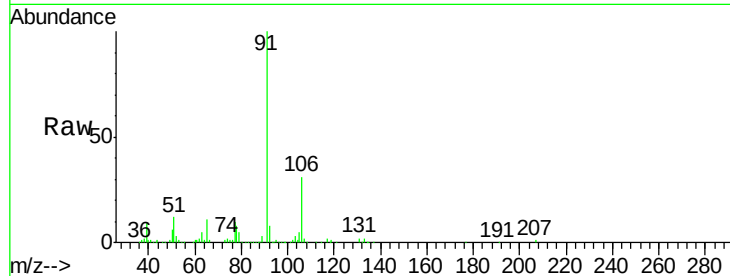
VF0626SBS01

Tot Ion: 91 Resp: 293271

Ion Ratio Lower Upper

91 100

106 30.6 24.8 37.2



#68

m/p-Xylenes

Concen: 43.274 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059312.D

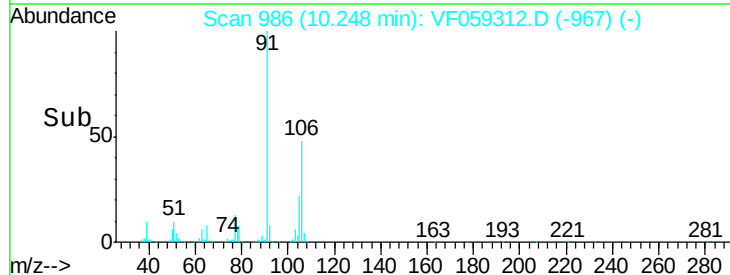
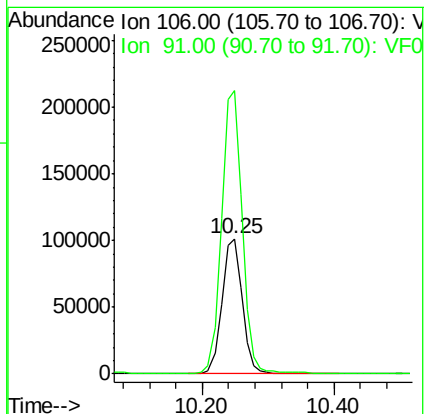
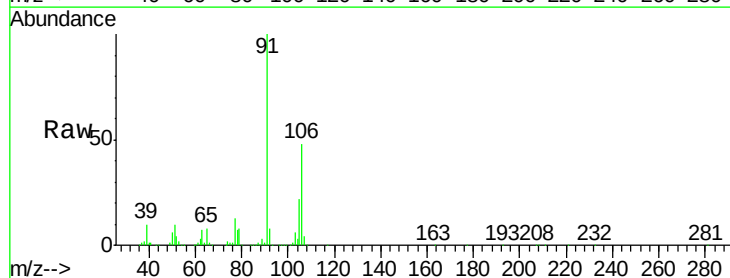
Acq: 26 Jun 2018 12:59

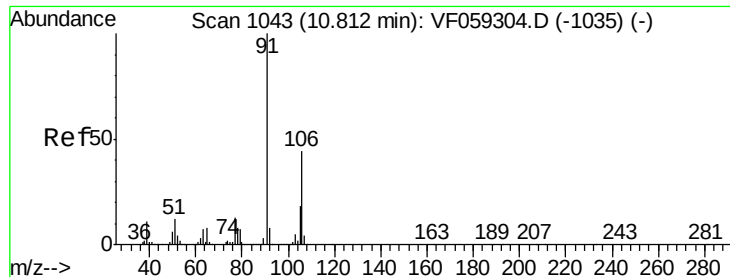
Tgt Ion: 106 Resp: 220004

Ion Ratio Lower Upper

106 100

91 208.9 170.8 256.2

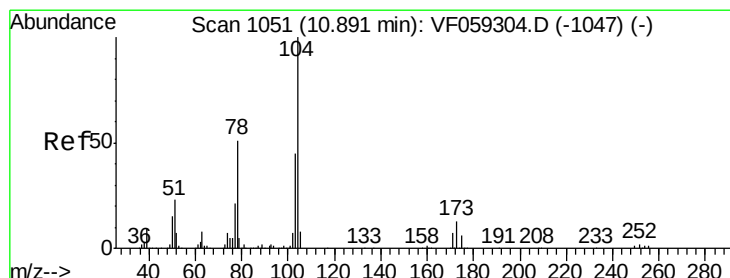
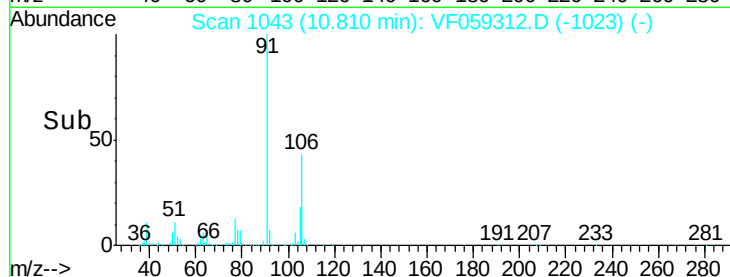
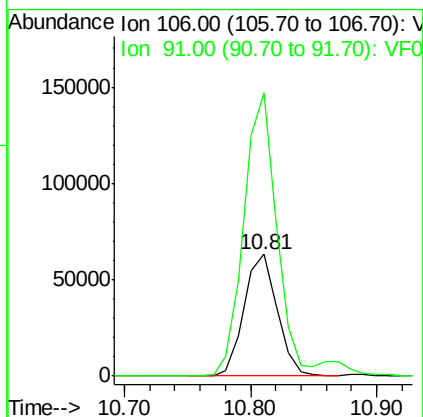
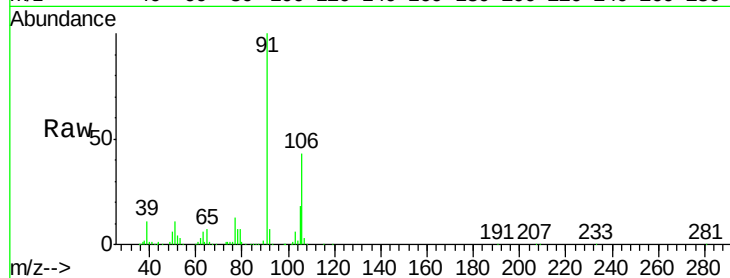




#69
o-Xylene
Concen: 20.488 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

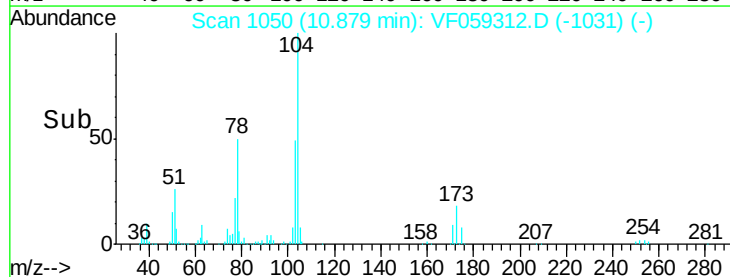
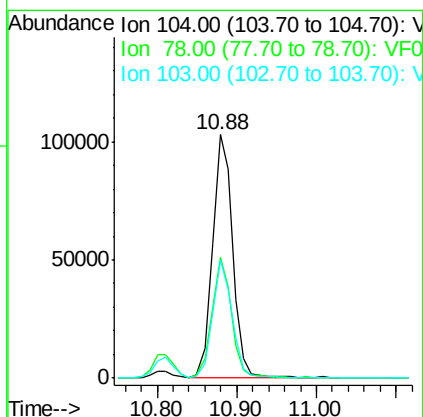
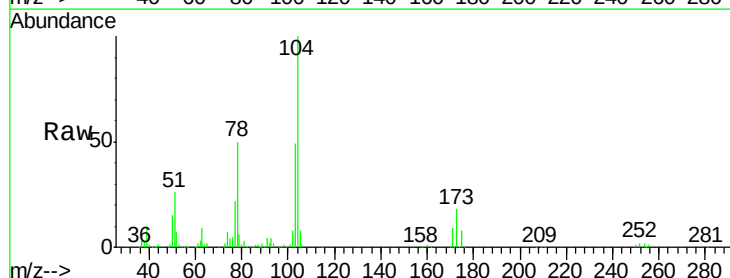
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

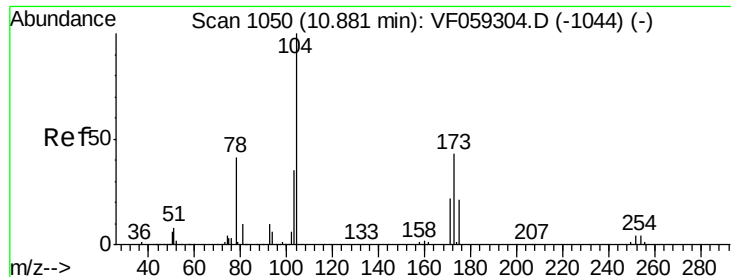
Tot Ion:106 Resp: 116505
Ion Ratio Lower Upper
106 100
91 232.2 114.6 343.6



#70
Styrene
Concen: 21.019 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion:104 Resp: 182073
Ion Ratio Lower Upper
104 100
78 49.6 40.9 61.3
103 48.7 36.5 54.7





#71

Bromoform

Concen: 19.876 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

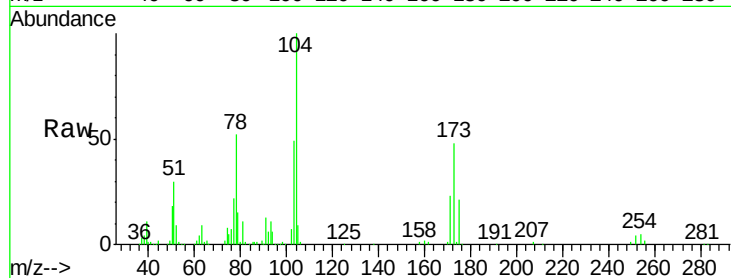
Tot Ion:173 Resp: 49611

Ion Ratio Lower Upper

173 100

175 43.4 24.8 74.3

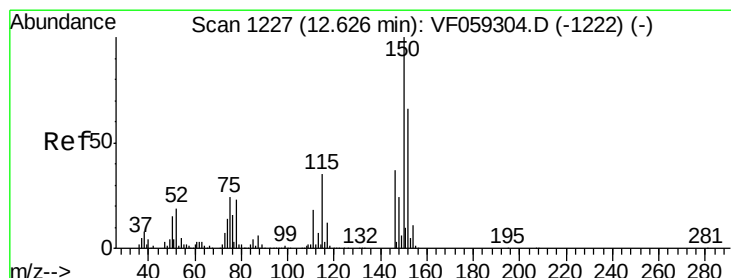
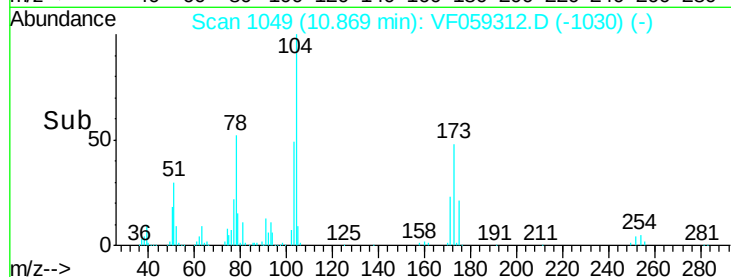
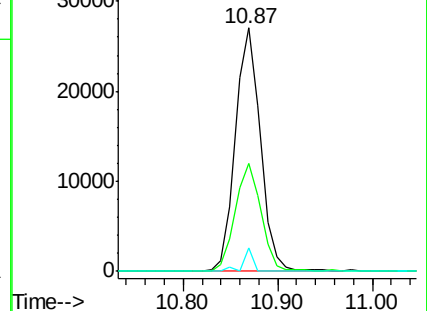
254 9.3 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

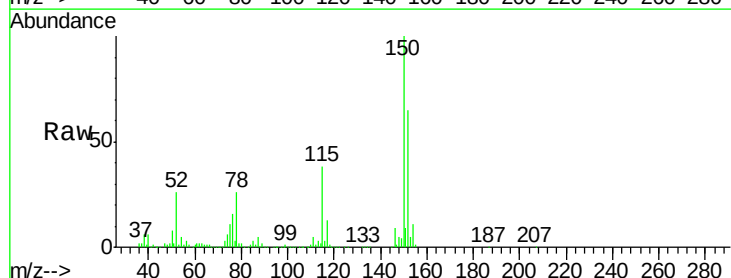
Tgt Ion:152 Resp: 278561

Ion Ratio Lower Upper

152 100

115 59.0 27.1 81.3

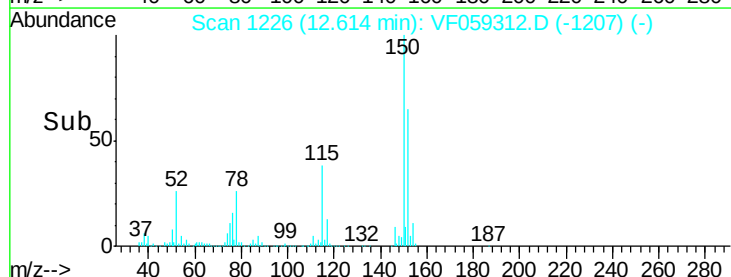
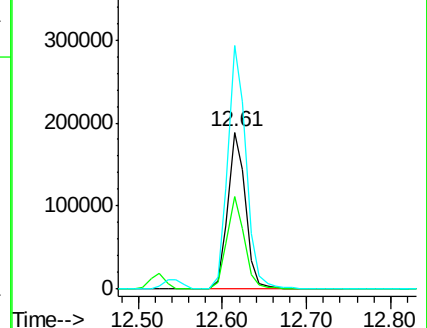
150 154.9 0.0 305.2

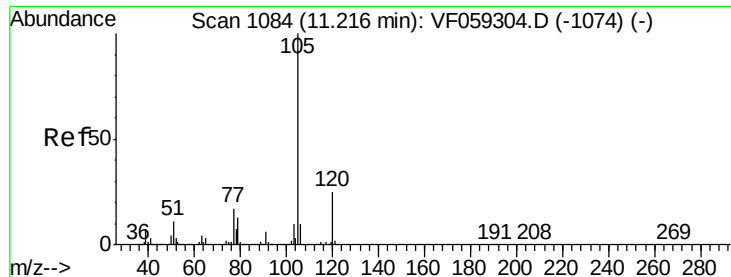


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.678 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

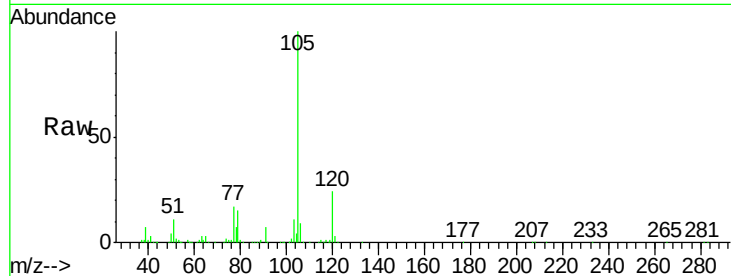
VF0626SBS01

Tot Ion:105 Resp: 351797

Ion Ratio Lower Upper

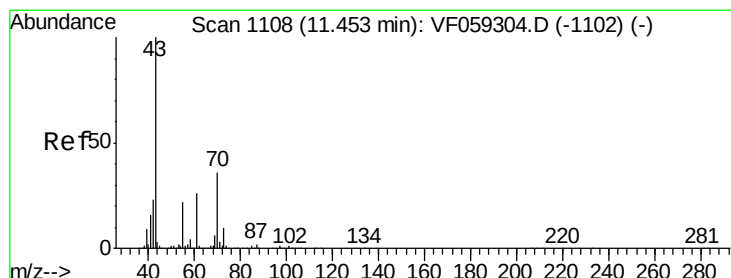
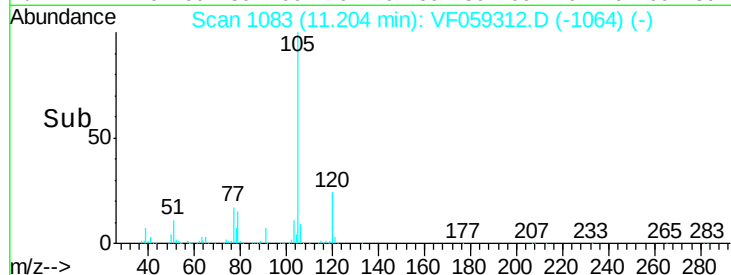
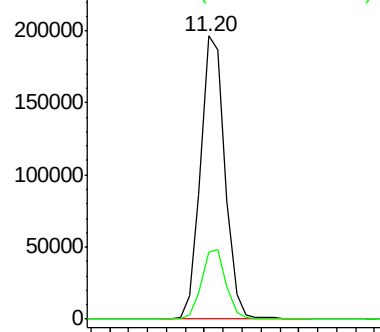
105 100

120 23.5 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.642 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Tgt Ion: 43 Resp: 115672

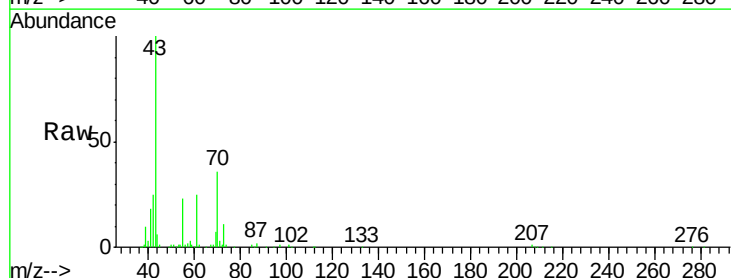
Ion Ratio Lower Upper

43 100

70 36.1 28.8 43.2

55 22.7 17.4 26.0

61 25.2 21.1 31.7

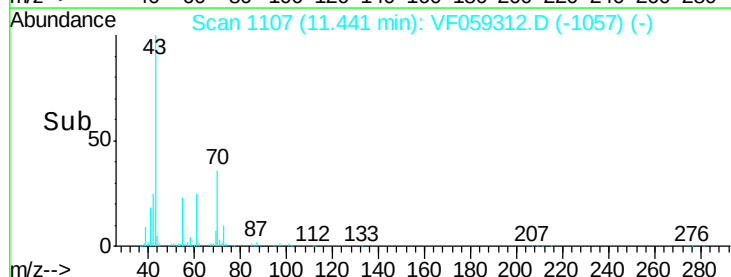
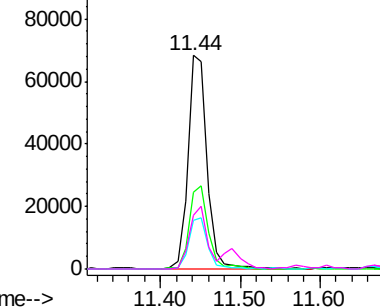


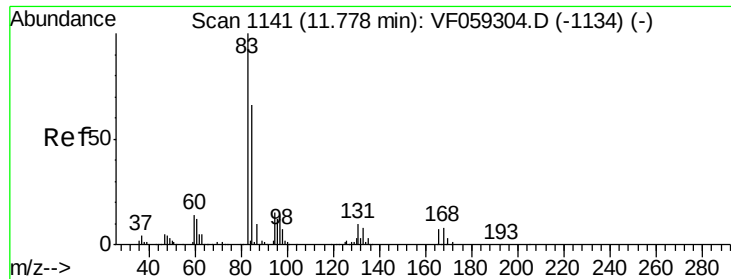
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.306 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

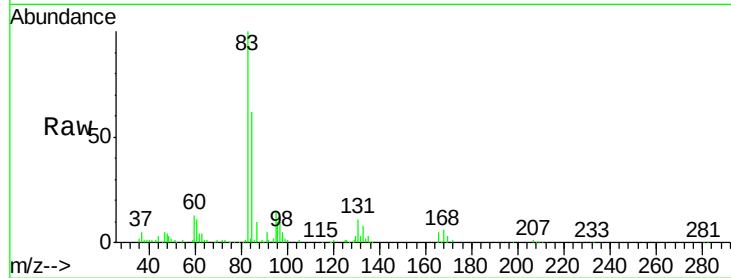
Tot Ion: 83 Resp: 83224

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.6

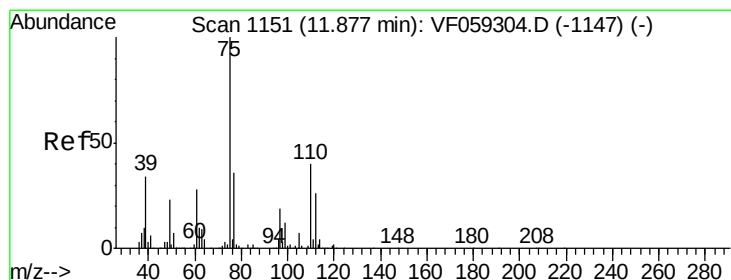
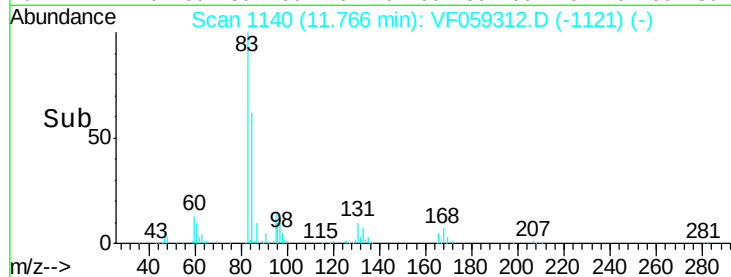
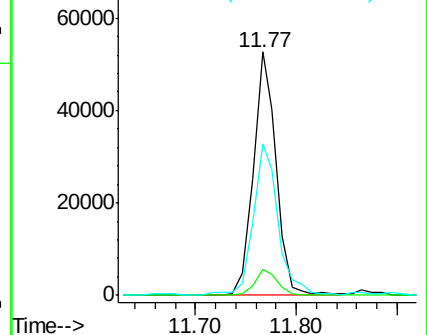
85 62.4 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.738 ug/l

RT: 11.86 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059312.D

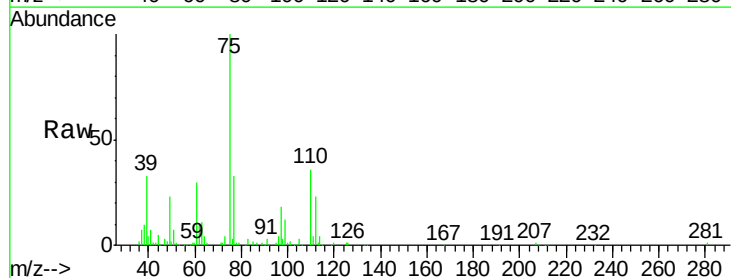
Acq: 26 Jun 2018 12:59

Tgt Ion: 75 Resp: 61022

Ion Ratio Lower Upper

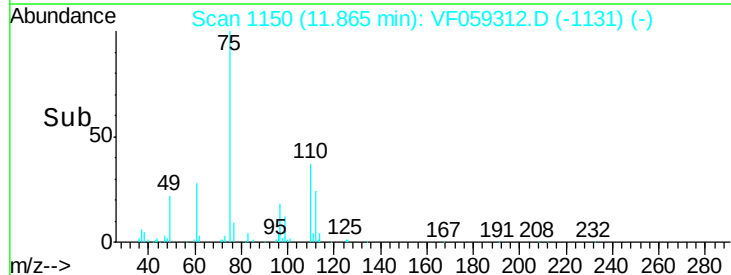
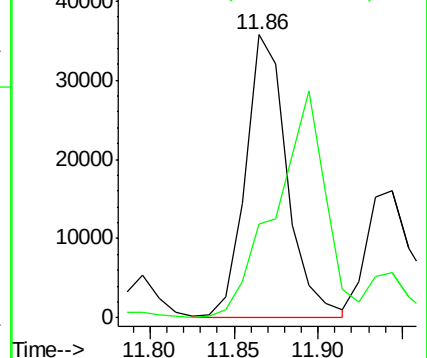
75 100

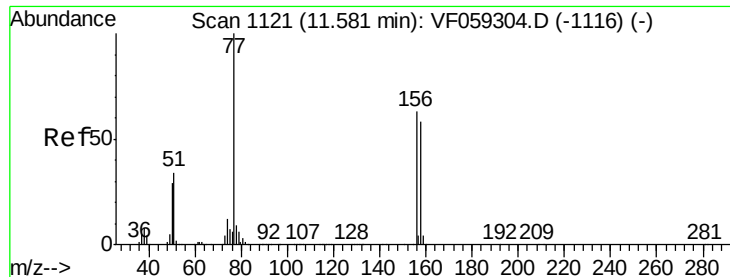
77 33.0 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.766 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

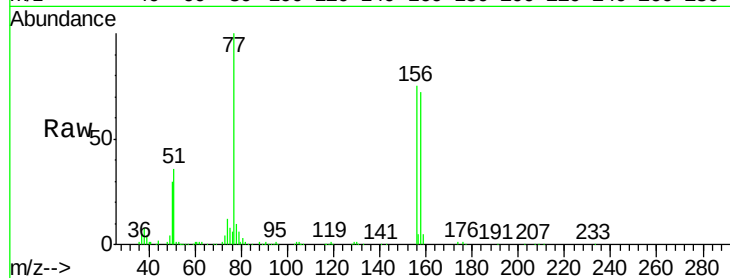
Tot Ion:156 Resp: 88993

Ion Ratio Lower Upper

156 100

77 132.9 79.7 238.9

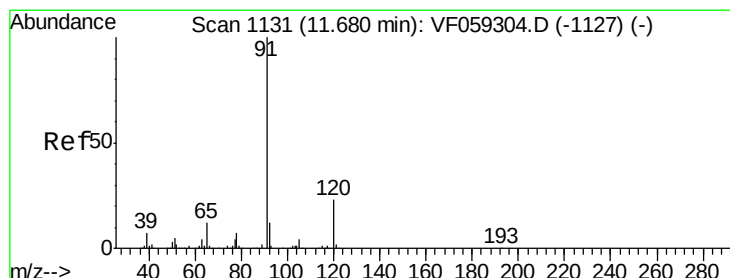
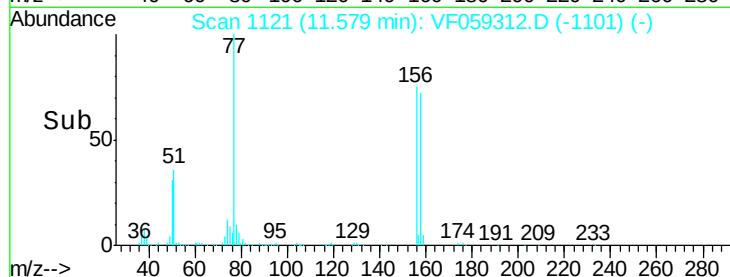
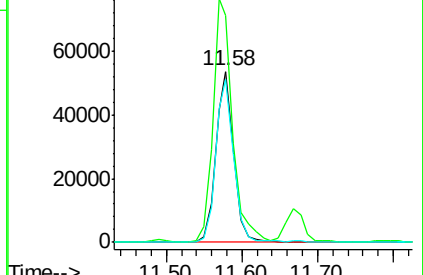
158 95.0 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.046 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059312.D

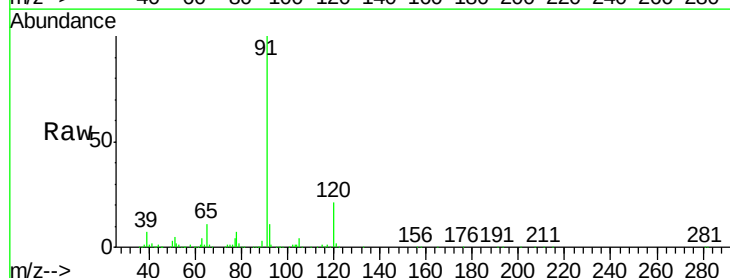
Acq: 26 Jun 2018 12:59

Tgt Ion: 91 Resp: 410176

Ion Ratio Lower Upper

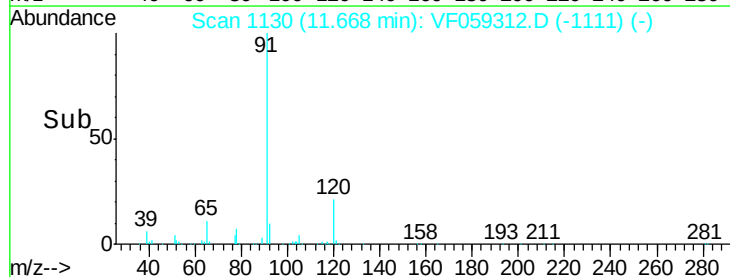
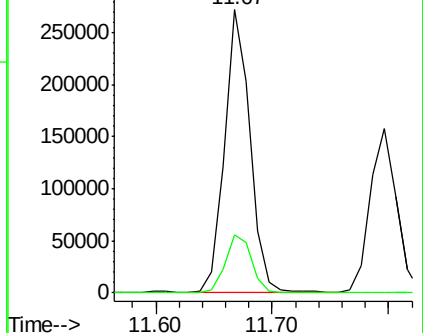
91 100

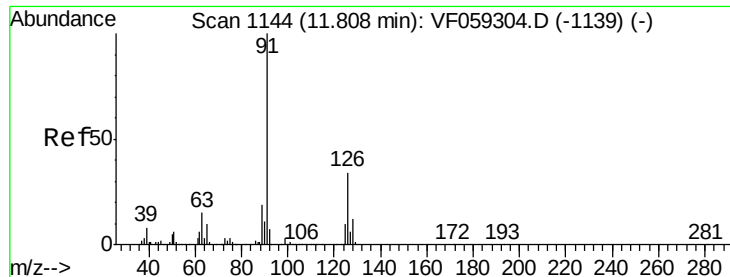
120 20.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.836 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

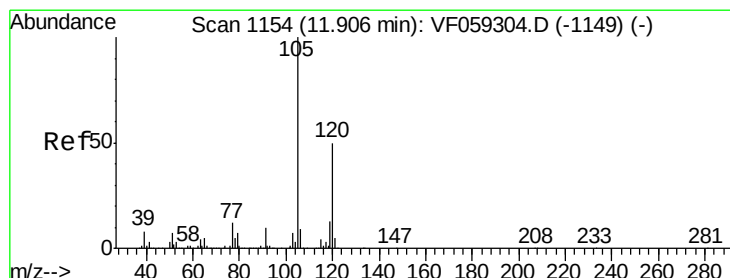
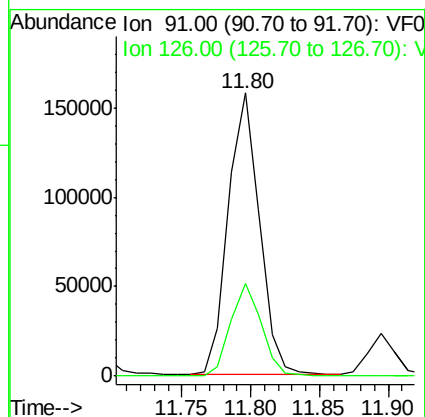
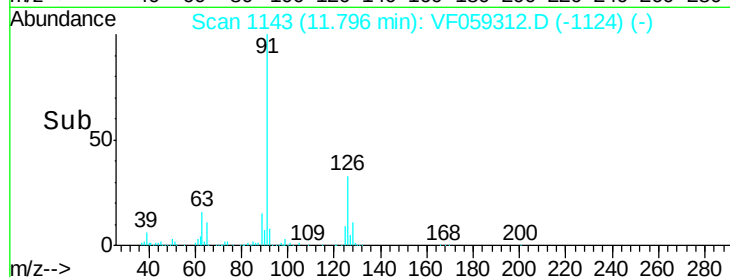
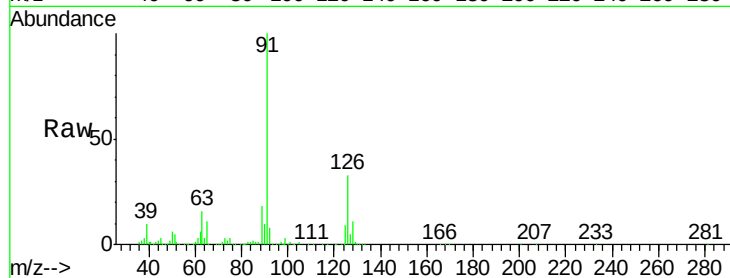
VF0626SBS01

Tot Ion: 91 Resp: 248104

Ion Ratio Lower Upper

91 100

126 32.6 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 21.498 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059312.D

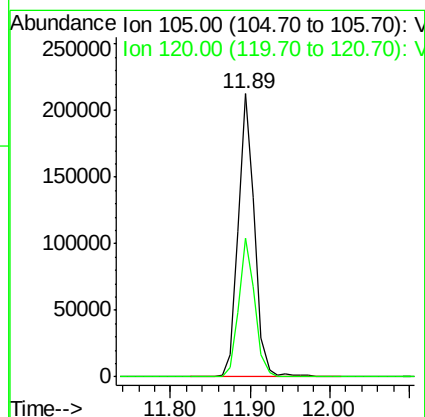
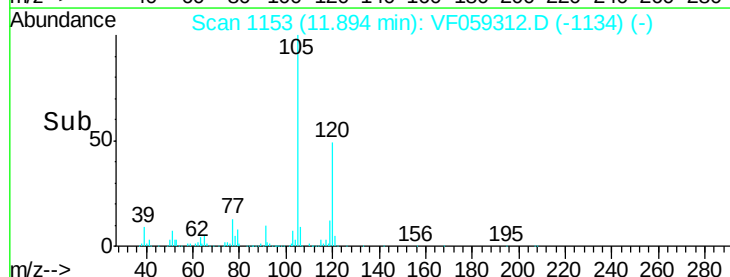
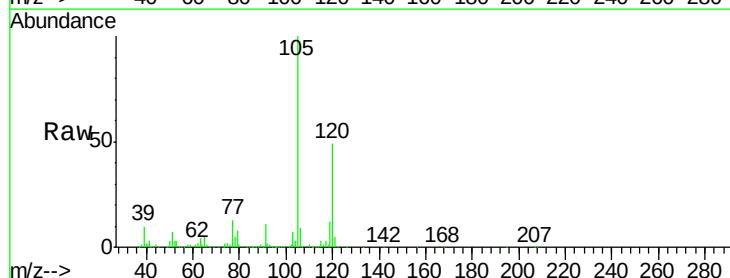
Acq: 26 Jun 2018 12:59

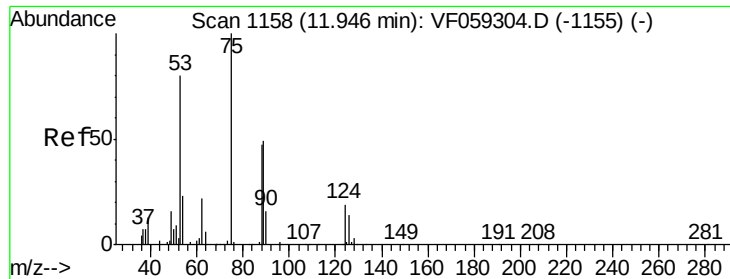
Tgt Ion:105 Resp: 305606

Ion Ratio Lower Upper

105 100

120 49.0 24.9 74.7

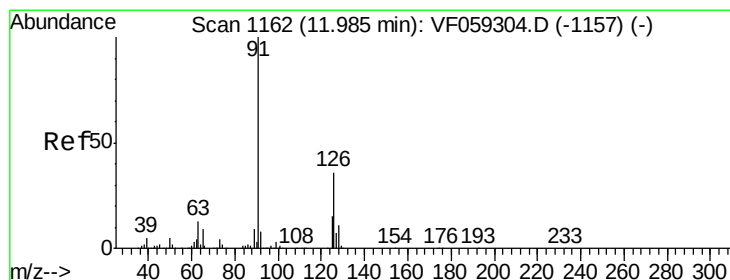
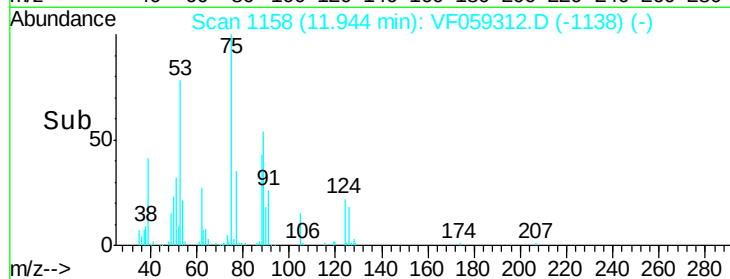
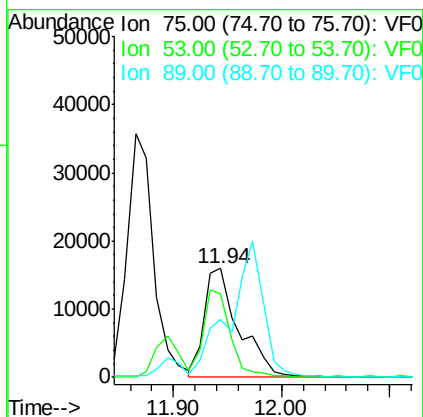
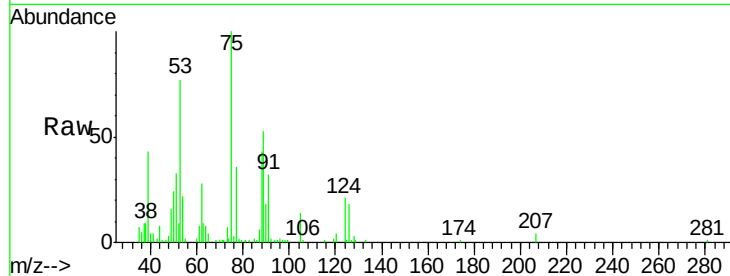




#81
trans-1,4-Dichloro-2-butene
Concen: 19.667 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

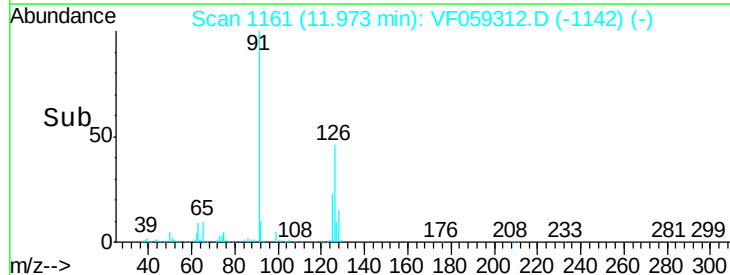
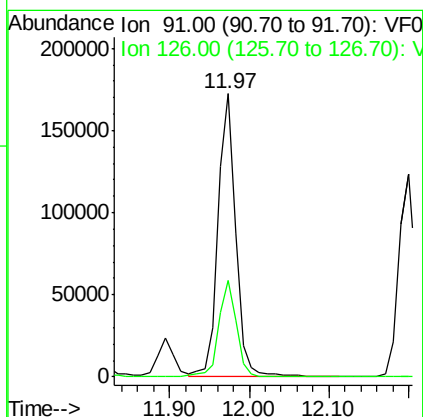
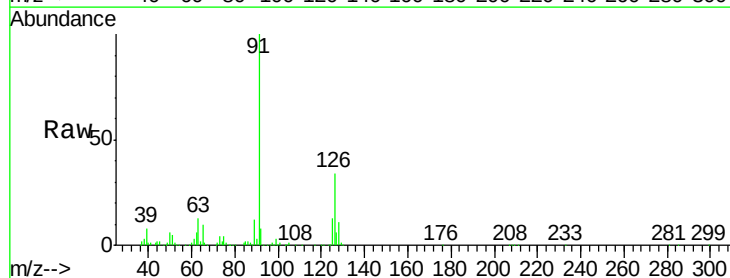
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

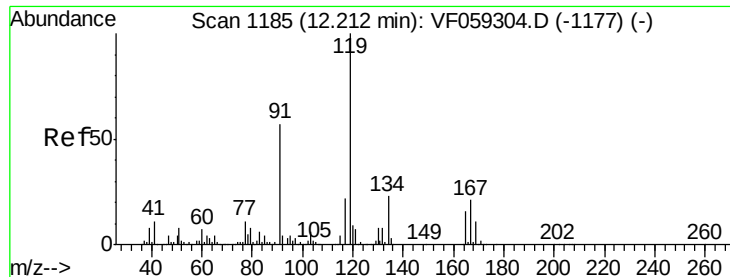
Tot Ion: 75 Resp: 36189
Ion Ratio Lower Upper
75 100
53 76.7 68.8 103.2
89 53.0 42.0 63.0



#82
4-Chlorotoluene
Concen: 21.173 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059312.D
Acq: 26 Jun 2018 12:59

Tgt Ion: 91 Resp: 270041
Ion Ratio Lower Upper
91 100
126 34.0 18.2 54.6

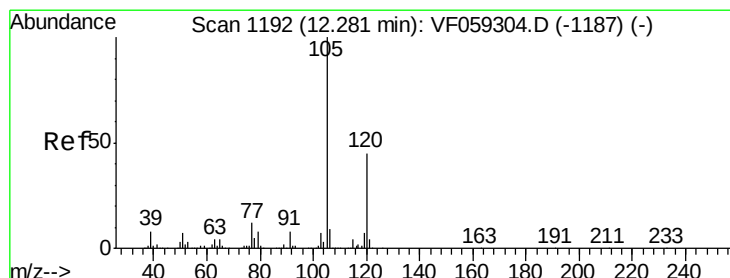
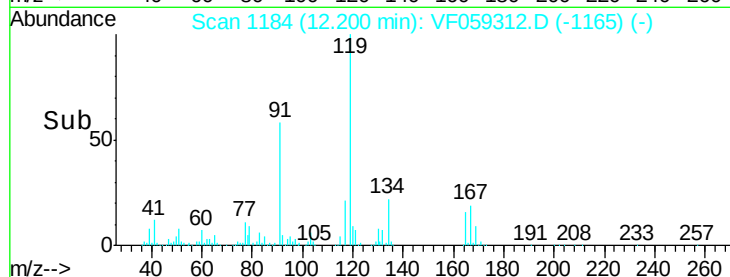
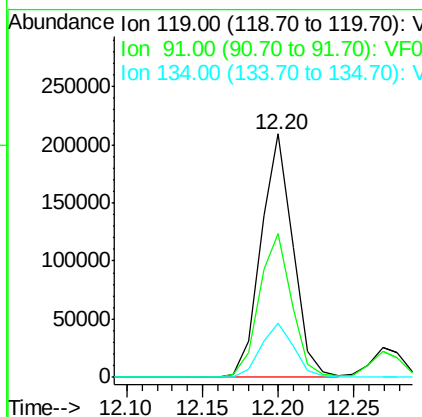
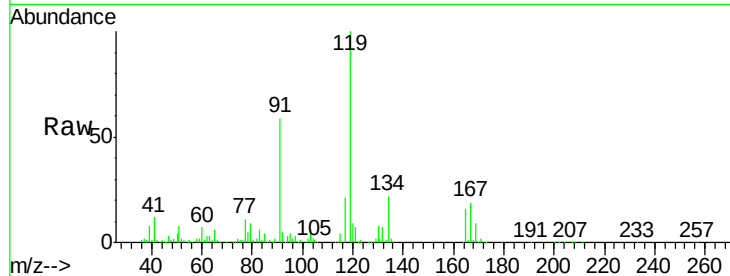




#83
 tert-Butylbenzene
 Concen: 21.754 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

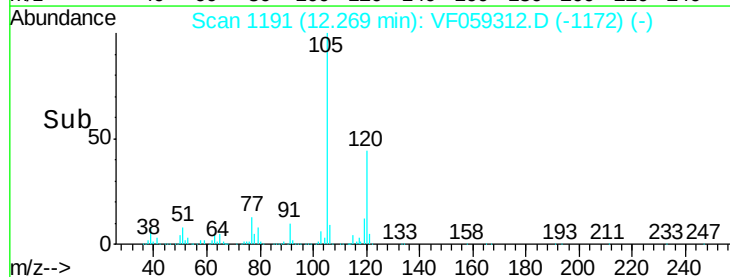
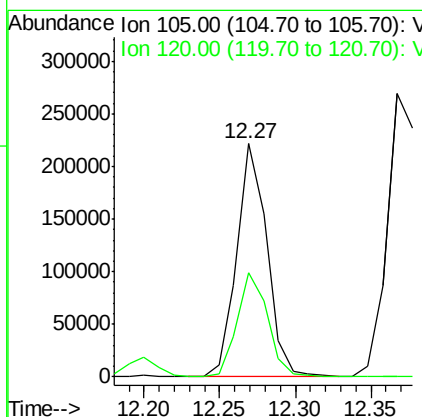
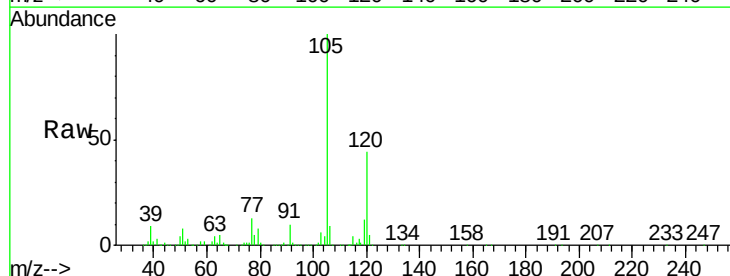
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

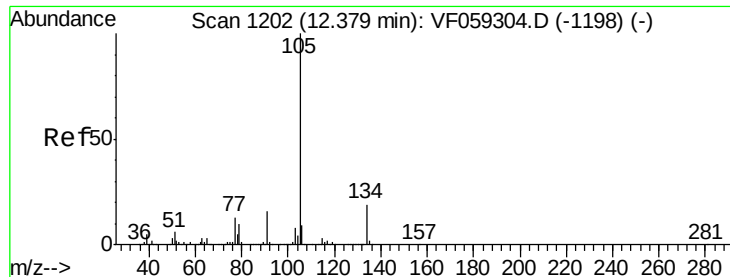
Tot Ion:119 Resp: 309290
 Ion Ratio Lower Upper
 119 100
 91 59.0 28.4 85.2
 134 22.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.506 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion:105 Resp: 307006
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.572 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

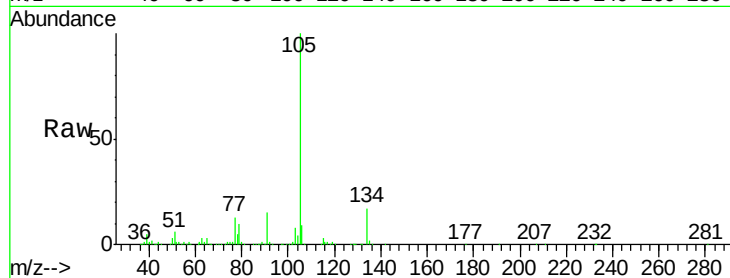
VF0626SBS01

Tot Ion:105 Resp: 406549

Ion Ratio Lower Upper

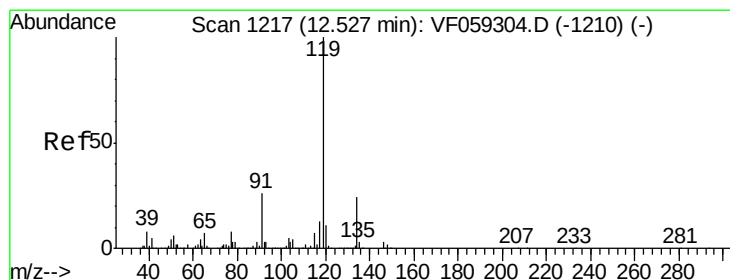
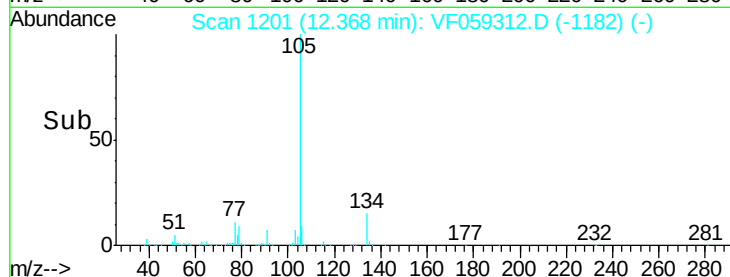
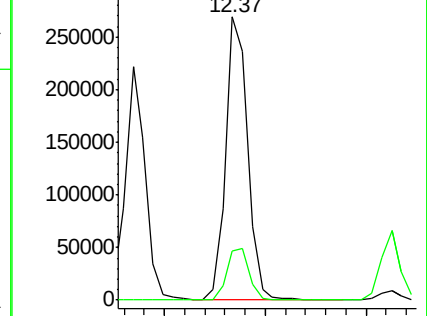
105 100

134 17.5 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.976 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

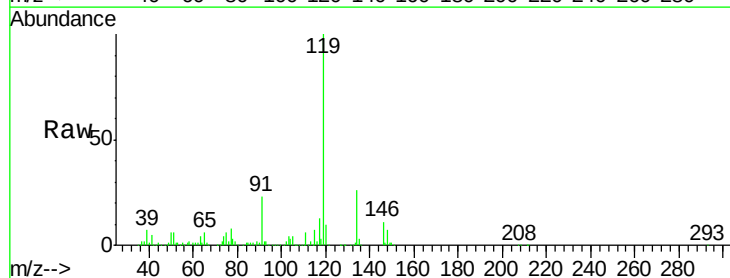
Tgt Ion:119 Resp: 347572

Ion Ratio Lower Upper

119 100

134 25.8 12.2 36.4

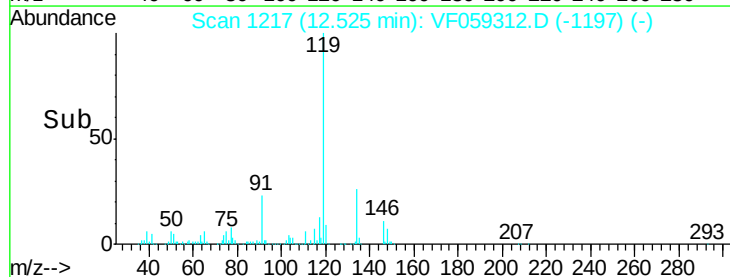
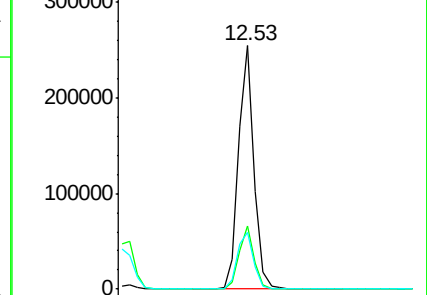
91 23.5 12.9 38.6

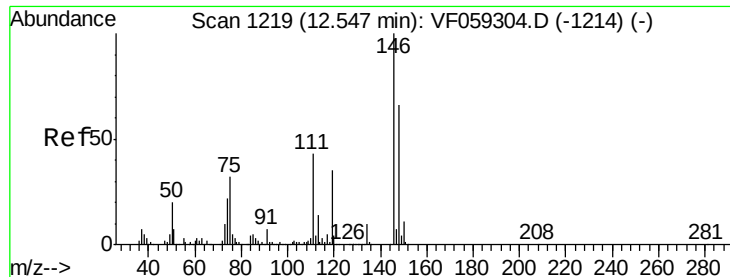


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

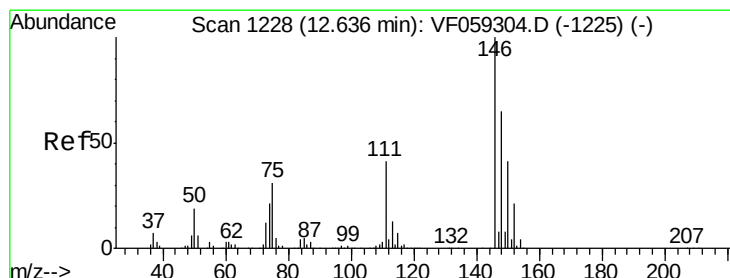
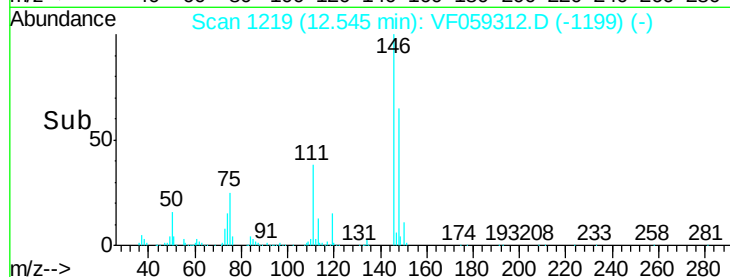
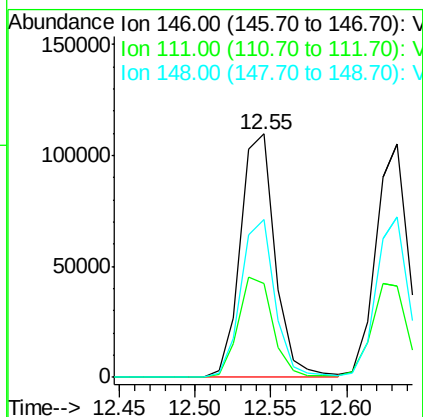
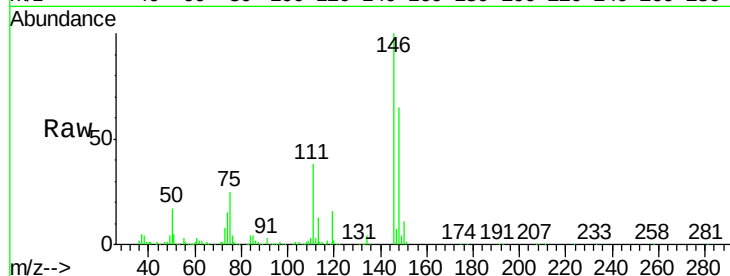




#87
 1,3-Dichlorobenzene
 Concen: 20.838 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

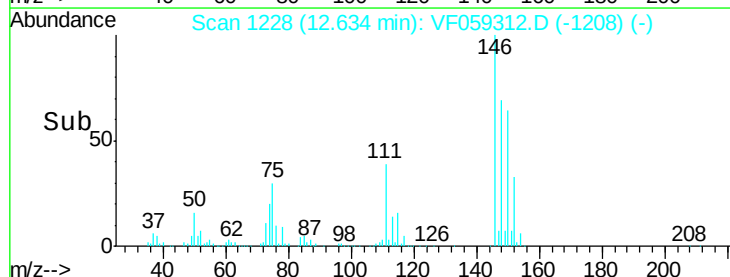
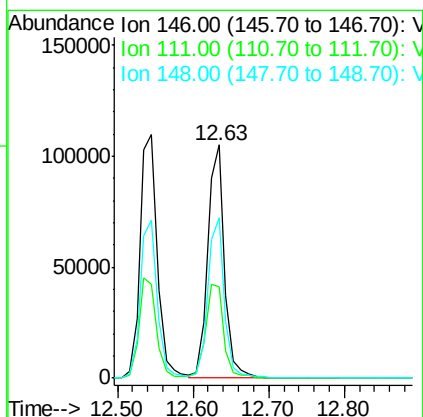
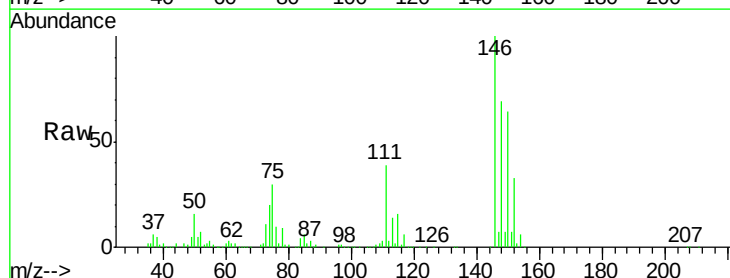
Instrument :
 MSVOA_F
 ClientSampled :
 VF0626SBS01

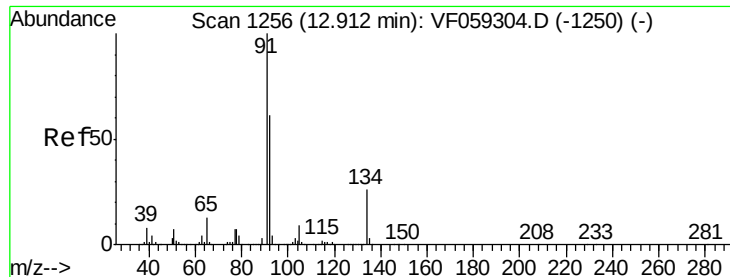
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	21.4	64.2
148	64.7	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.319 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.7	62.1
148	68.6	32.8	98.3





#89

n-Butylbenzene

Concen: 21.269 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

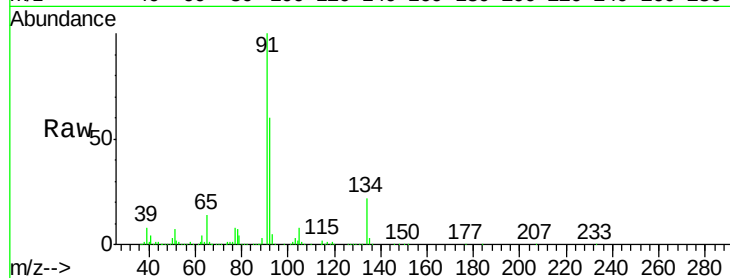
Tot Ion: 91 Resp: 341492

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

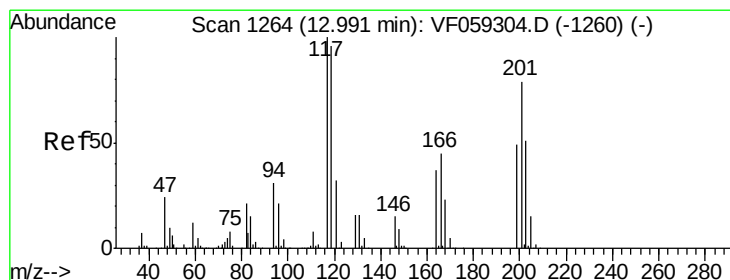
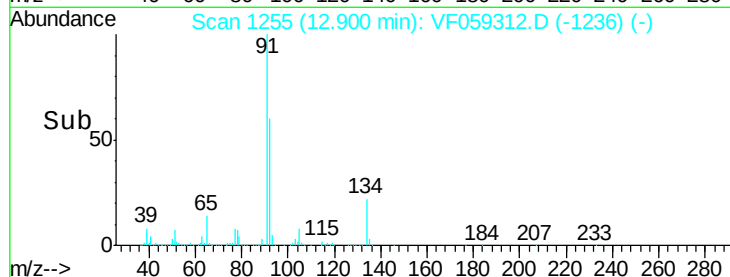
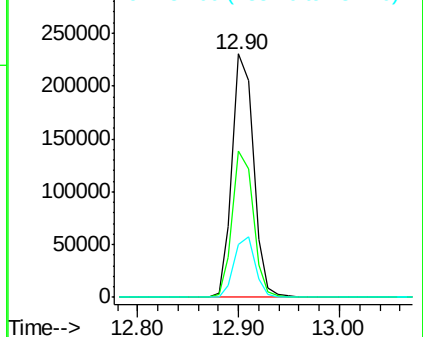
134 21.8 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.492 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059312.D

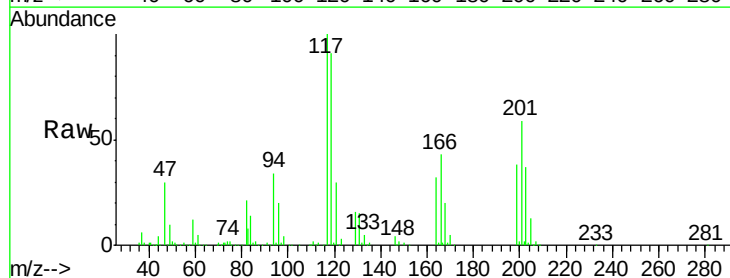
Acq: 26 Jun 2018 12:59

Tgt Ion: 117 Resp: 84718

Ion Ratio Lower Upper

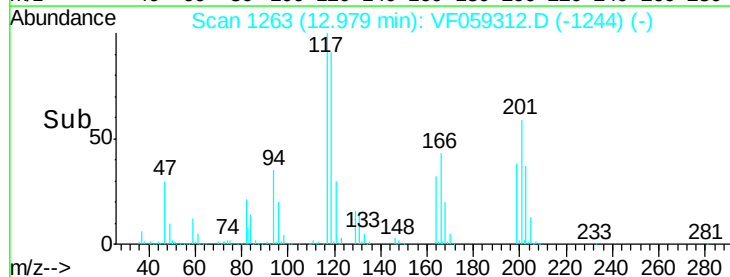
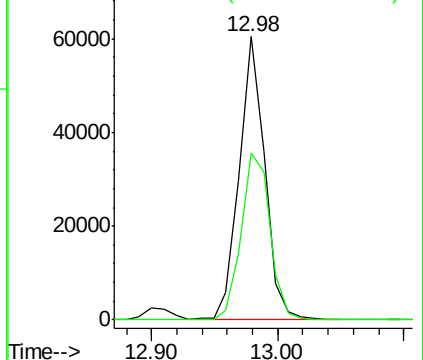
117 100

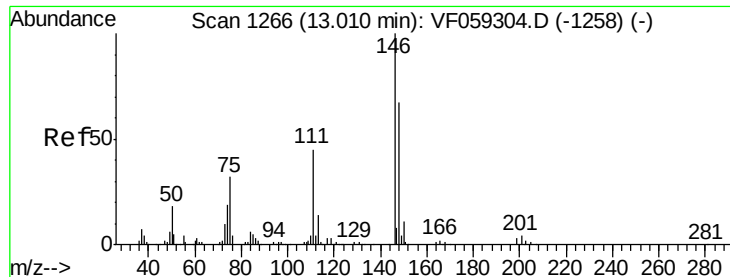
201 59.1 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 20.665 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

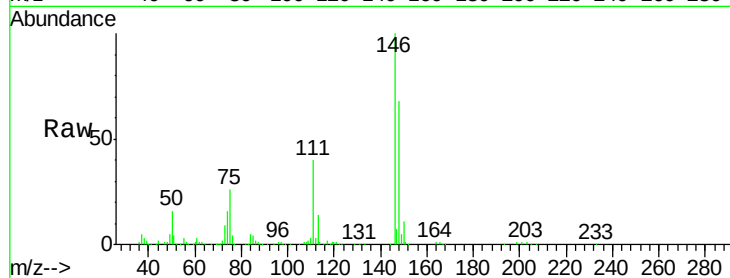
Tot Ion:146 Resp: 168907

Ion Ratio Lower Upper

146 100

111 39.8 22.7 68.0

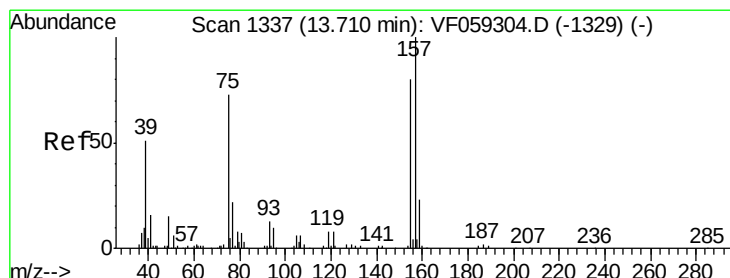
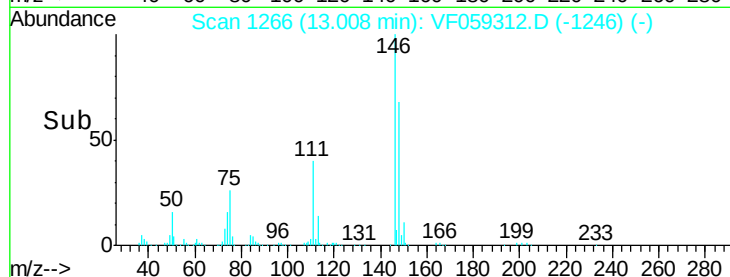
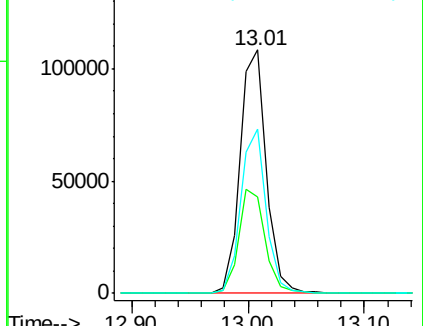
148 67.7 33.5 100.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.978 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

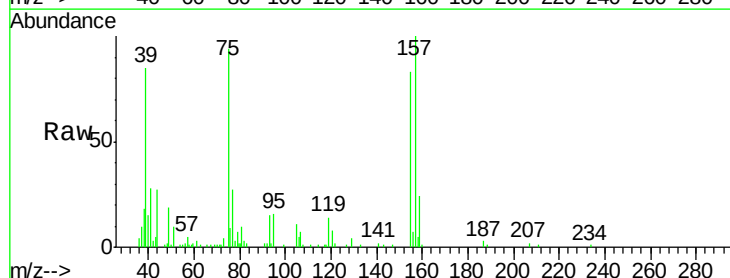
Tgt Ion: 75 Resp: 15425

Ion Ratio Lower Upper

75 100

155 88.5 54.6 163.8

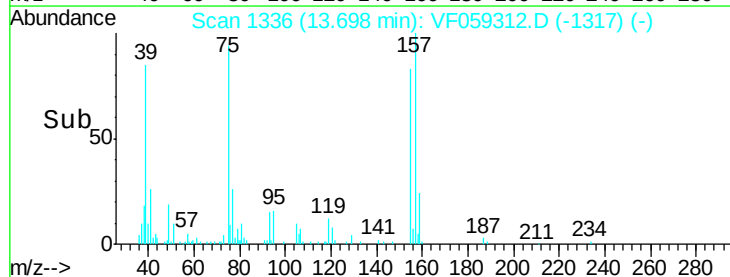
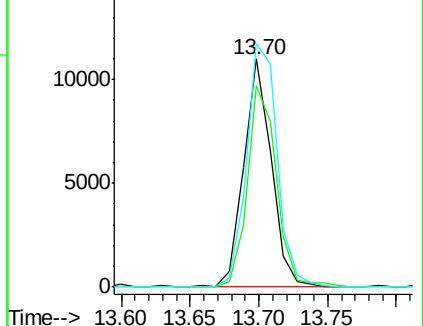
157 106.9 68.7 205.9

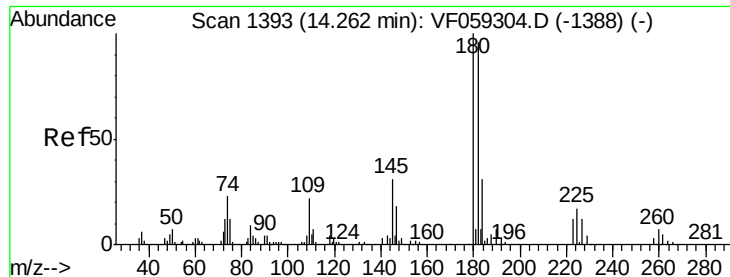


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

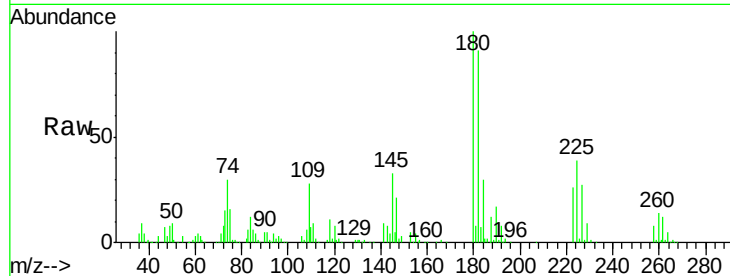




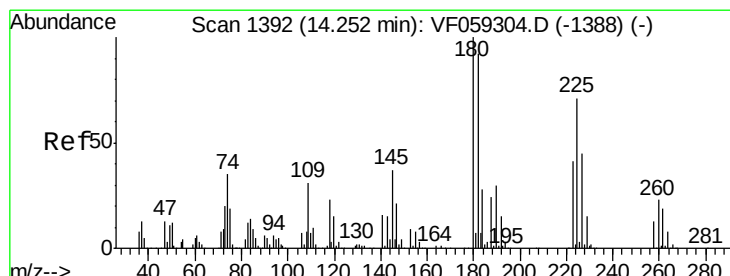
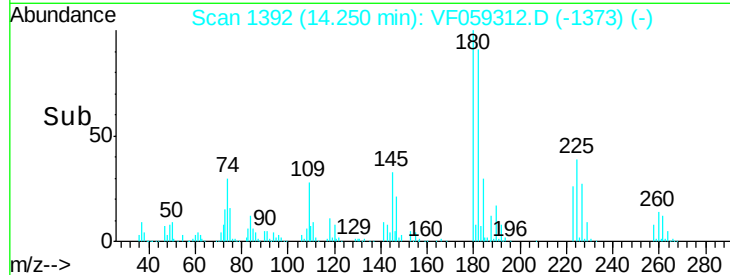
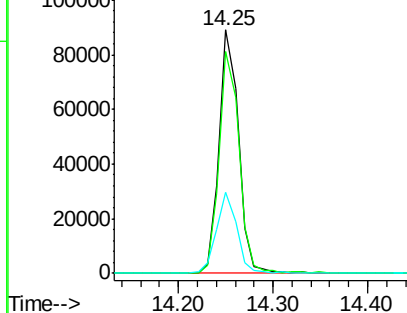
#93
 1,2,4-Trichlorobenzene
 Concen: 21.178 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

Tot Ion:180 Resp: 127995
 Ion Ratio Lower Upper
 180 100
 182 91.4 48.1 144.3
 145 33.5 15.3 45.8

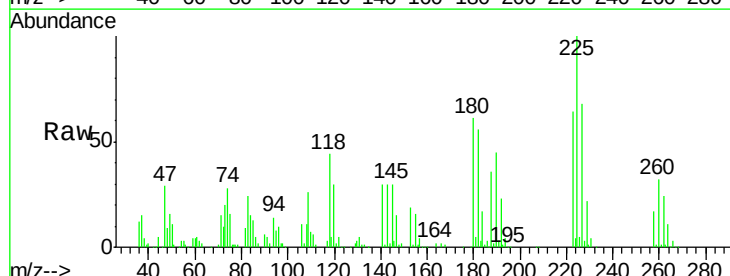


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

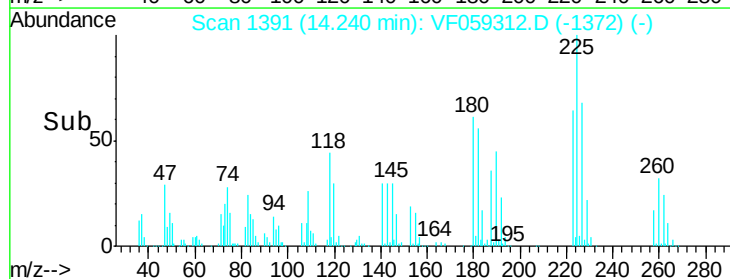
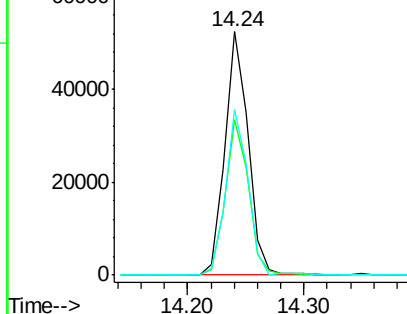


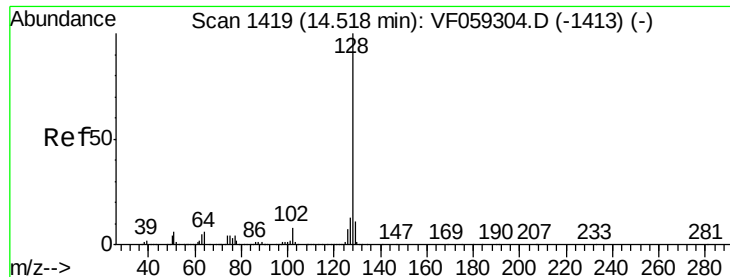
#94
 Hexachlorobutadiene
 Concen: 21.383 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059312.D
 Acq: 26 Jun 2018 12:59

Tgt Ion:225 Resp: 72185
 Ion Ratio Lower Upper
 225 100
 223 63.7 28.9 86.8
 227 68.1 31.3 93.8



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





#95

Naphthalene

Concen: 19.731 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

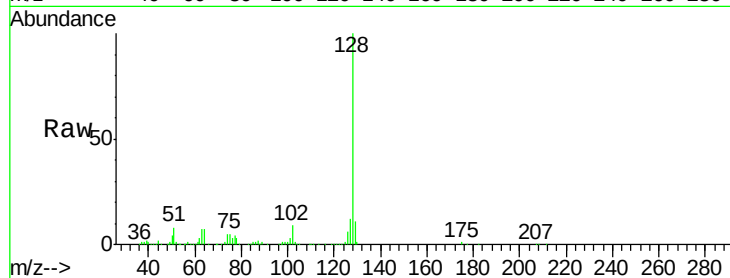
Tot Ion:128 Resp: 249507

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

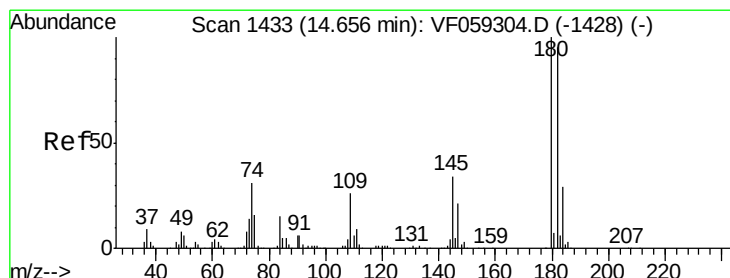
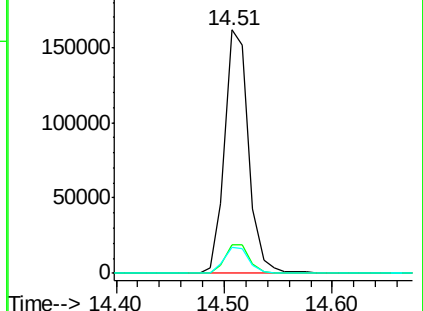
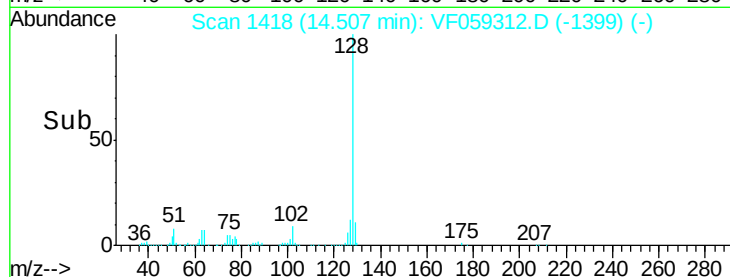
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.867 ug/l

RT: 14.65 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059312.D

Acq: 26 Jun 2018 12:59

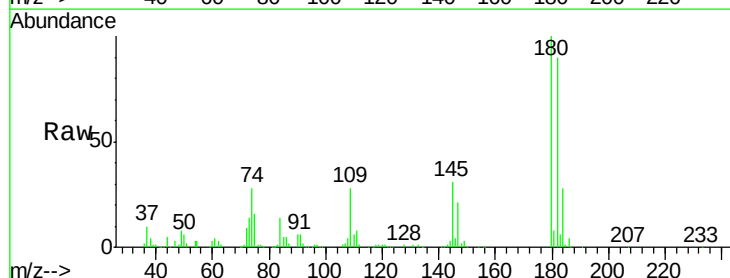
Tgt Ion:180 Resp: 119473

Ion Ratio Lower Upper

180 100

182 90.5 47.5 142.5

145 31.5 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

