

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059313.D
 Acq On : 26 Jun 2018 13:27
 Operator : VA/AP
 Sample : VF0626SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Quant Time: Jun 27 02:18:58 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	5.02	168	292224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	464847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	451040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	281703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	177116	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	4.27	113	159160	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	7.69	98	414963	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.49	95	230041	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	60366	22.610	ug/l	96
3) Chloromethane	1.08	50	39240	21.877	ug/l	99
4) Vinyl Chloride	1.14	62	38219	21.647	ug/l	93
5) Bromomethane	1.33	94	25659	23.453	ug/l	92
6) Chloroethane	1.42	64	18415	20.709	ug/l	93
7) Trichlorofluoromethane	1.48	101	23790	6.814	ug/l	96
8) Diethyl Ether	1.70	74	18542	20.713	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43427	21.309	ug/l	96
10) Methyl Iodide	1.95	142	77238	20.784	ug/l	94
11) Tert butyl alcohol	2.67	59	21778	86.645	ug/l	95
12) 1,1-Dichloroethene	1.84	96	35779	20.767	ug/l	87
13) Acrolein	2.08	56	14610	111.167	ug/l	98
14) Allyl chloride	2.18	41	69369	21.449	ug/l	87
15) Acrylonitrile	3.06	53	48271	109.057	ug/l	94
16) Acetone	2.33	43	114073	115.491	ug/l	97
17) Carbon Disulfide	1.85	76	86842	21.429	ug/l	94
18) Methyl Acetate	2.43	43	32160	18.131	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	132092	20.555	ug/l #	92
20) Methylene Chloride	2.27	84	32151	9.147	ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	41144	22.387	ug/l	97
22) Diisopropyl ether	2.91	45	150294	20.986	ug/l	97
23) Vinyl Acetate	3.31	43	499602	109.540	ug/l	98
24) 1,1-Dichloroethane	2.99	63	93805	21.126	ug/l	99
25) 2-Butanone	4.48	43	124570	107.503	ug/l	97
26) 2,2-Dichloropropane	3.74	77	74212	24.232	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	60901	21.826	ug/l	82
28) Bromochloromethane	3.86	49	43958	23.532	ug/l	100
29) Tetrahydrofuran	4.23	42	55252	108.776	ug/l	95
30) Chloroform	4.01	83	131405	20.442	ug/l	97
31) Cyclohexane	3.84	56	64262	22.092	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	100708	21.409	ug/l	96
36) 1,1-Dichloropropene	4.44	75	86594	21.324	ug/l	97
37) Ethyl Acetate	4.27	43	52837	19.435	ug/l	97
38) Carbon Tetrachloride	4.15	117	104622	20.415	ug/l	90

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 Data File : VF059313.D
 Acq On : 26 Jun 2018 13:27
 Operator : VA/AP
 Sample : VF0626SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

Quant Time: Jun 27 02:18:58 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	77690	21.590	ug/l	90
40) Benzene	4.78	78	188220	20.905	ug/l	96
41) Methacrylonitrile	4.90	41	26938	19.447	ug/l	98
42) 1,2-Dichloroethane	5.10	62	98392	18.702	ug/l	99
43) Isopropyl Acetate	7.09	43	64482	19.064	ug/l #	94
44) Trichloroethene	5.65	130	61242	19.828	ug/l	95
45) 1,2-Dichloropropane	6.39	63	55600	21.614	ug/l	97
46) Dibromomethane	6.23	93	47607	21.322	ug/l	92
47) Bromodichloromethane	6.53	83	111986	20.720	ug/l	99
48) Methyl methacrylate	6.85	41	45003	19.851	ug/l	92
49) 1,4-Dioxane	6.85	88	5814	457.587	ug/l #	87
51) 4-Methyl-2-Pentanone	8.38	43	251505	100.365	ug/l	100
52) Toluene	7.76	92	132563	19.676	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	107226	21.765	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	113070	21.130	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50347	19.247	ug/l	92
56) Ethyl methacrylate	8.73	69	63048	19.457	ug/l	93
57) 1,3-Dichloropropane	8.98	76	92287	20.571	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	24772	101.930	ug/l	100
59) 2-Hexanone	9.61	43	215494	104.642	ug/l	97
60) Dibromochloromethane	8.84	129	78696	19.487	ug/l	97
61) 1,2-Dibromoethane	9.12	107	61103	19.261	ug/l	100
64) Tetrachloroethene	8.28	164	64675	22.108	ug/l	97
65) Chlorobenzene	9.92	112	177720	21.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	74504	20.611	ug/l	94
67) Ethyl Benzene	10.01	91	305545	21.550	ug/l	99
68) m/p-Xylenes	10.25	106	226165	44.816	ug/l	99
69) o-Xylene	10.80	106	122223	21.653	ug/l	98
70) Styrene	10.88	104	188580	21.932	ug/l	99
71) Bromoform	10.87	173	49589	20.015	ug/l	99
73) Isopropylbenzene	11.21	105	362651	22.098	ug/l	98
74) N-amyl acetate	11.44	43	121891	20.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	84361	20.354	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	62307	19.929	ug/l	93
77) Bromobenzene	11.58	156	90801	19.942	ug/l	84
78) n-propylbenzene	11.67	91	441832	22.417	ug/l	97
79) 2-Chlorotoluene	11.80	91	260239	21.612	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	311555	21.672	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	36968	19.866	ug/l	94
82) 4-Chlorotoluene	11.98	91	272202	21.105	ug/l	95
83) tert-Butylbenzene	12.20	119	321239	22.342	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	321087	21.207	ug/l	99
85) sec-Butylbenzene	12.37	105	399788	20.977	ug/l	99
86) p-Isopropyltoluene	12.53	119	360677	22.551	ug/l	94
87) 1,3-Dichlorobenzene	12.54	146	176115	20.735	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	171222	21.057	ug/l	98
89) n-Butylbenzene	12.90	91	365193	22.492	ug/l	98
90) Hexachloroethane	12.98	117	85846	21.535	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	179215	21.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17122	18.635	ug/l	83

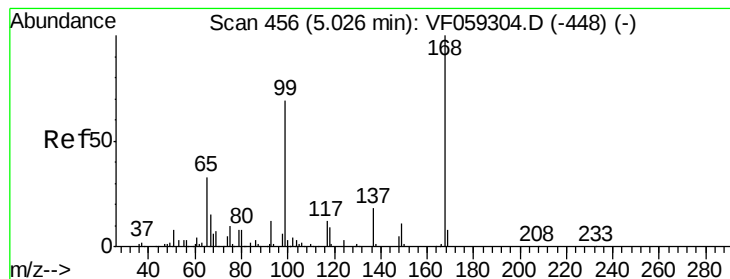
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
Data File : VF059313.D
Acq On : 26 Jun 2018 13:27
Operator : VA/AP
Sample : VF0626SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

Quant Time: Jun 27 02:18:58 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	128028	20.947	ug/l	98
94) Hexachlorobutadiene	14.24	225	74945	21.953	ug/l	96
95) Naphthalene	14.51	128	258994	20.253	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	118495	20.465	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

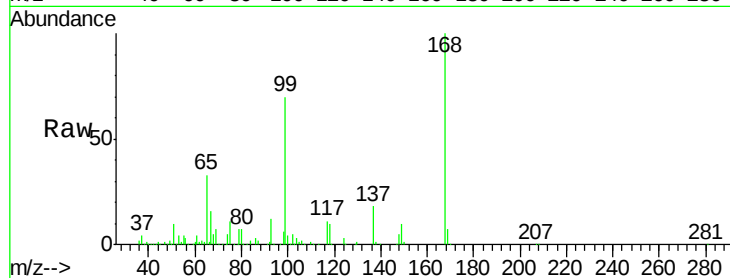
VF0626SBSD01

Tot Ion:168 Resp: 292224

Ion Ratio Lower Upper

168 100

99 70.3 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

60000

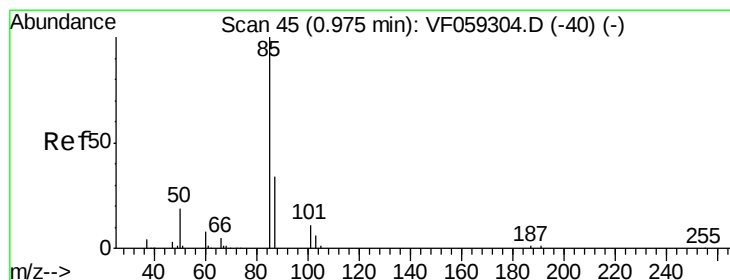
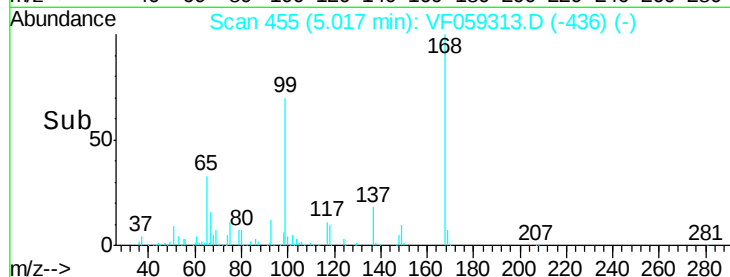
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.610 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059313.D

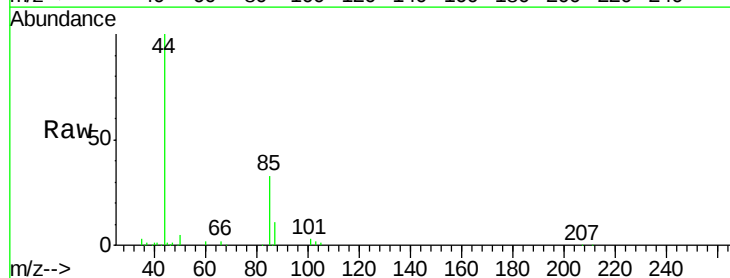
Acq: 26 Jun 2018 13:27

Tgt Ion: 85 Resp: 60366

Ion Ratio Lower Upper

85 100

87 31.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

15000

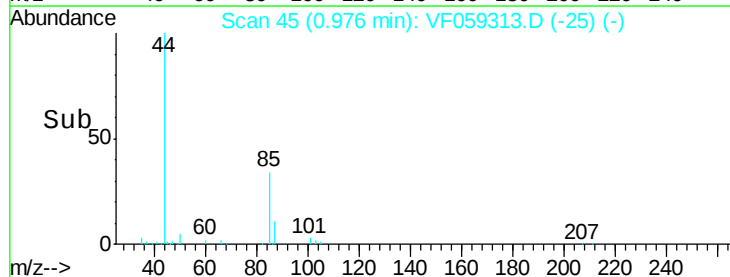
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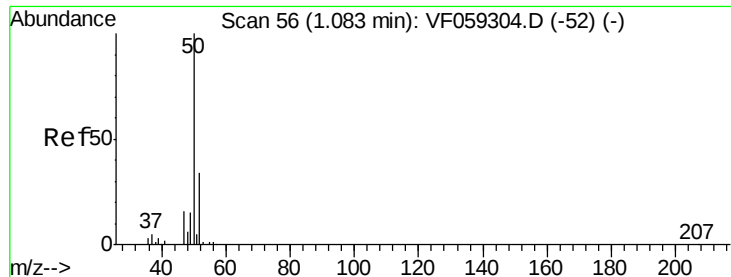
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 21.877 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

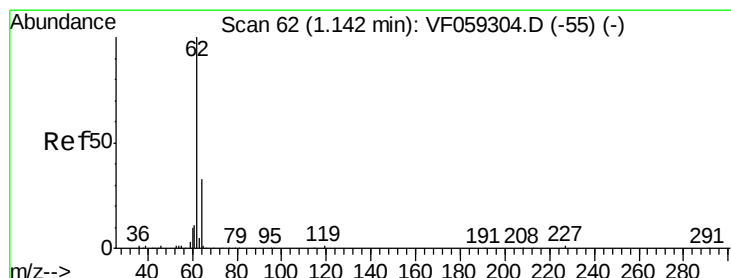
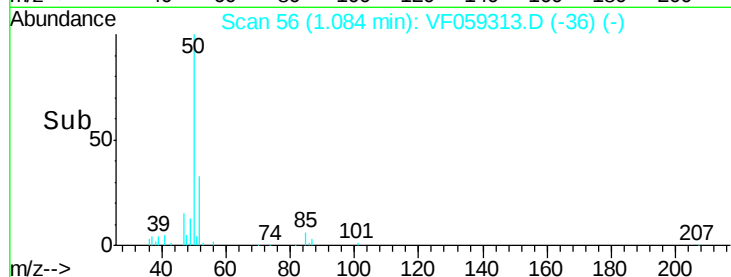
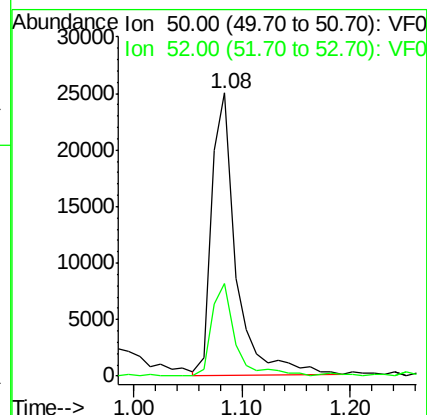
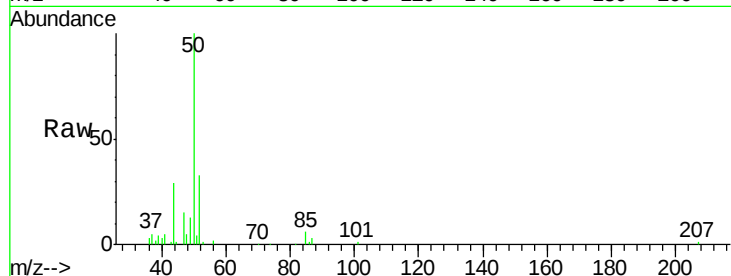
VF0626SBSD01

Tot Ion: 50 Resp: 39240

Ion Ratio Lower Upper

50 100

52 32.7 26.7 40.1



#4

Vinyl Chloride

Concen: 21.647 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059313.D

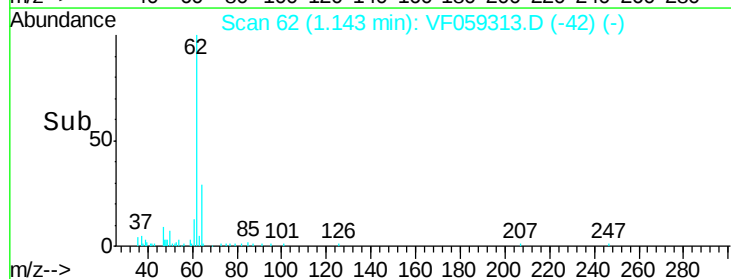
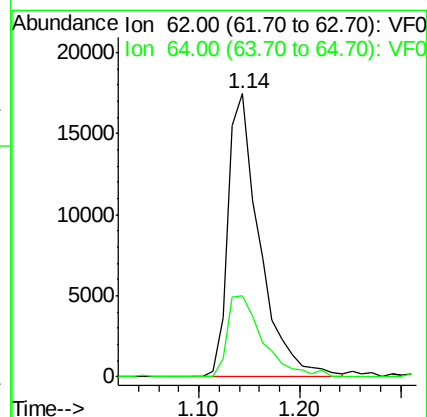
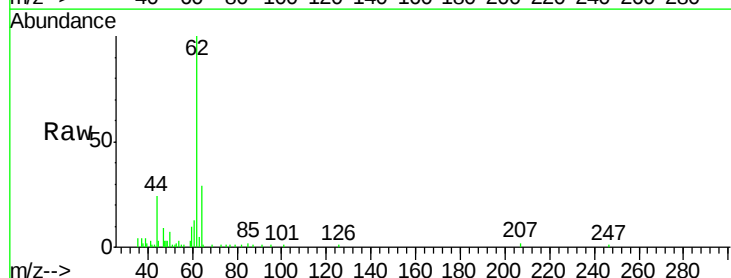
Acq: 26 Jun 2018 13:27

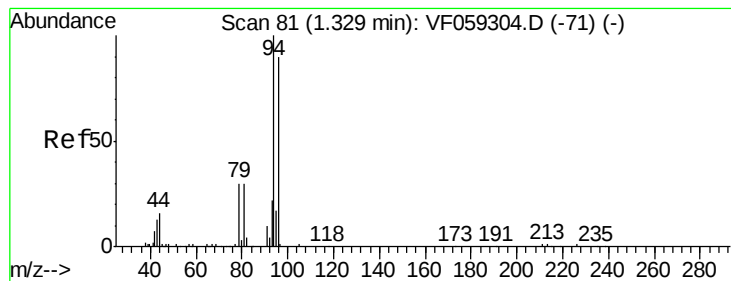
Tgt Ion: 62 Resp: 38219

Ion Ratio Lower Upper

62 100

64 28.7 26.3 39.5





#5

Bromomethane

Concen: 23.453 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

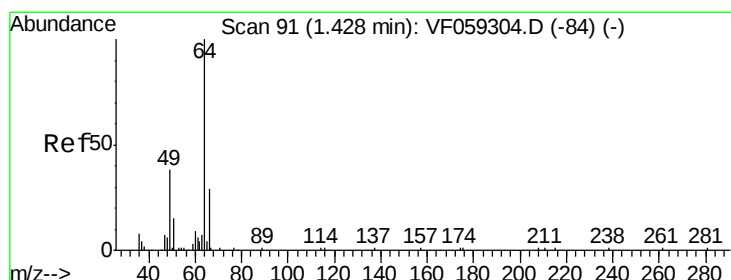
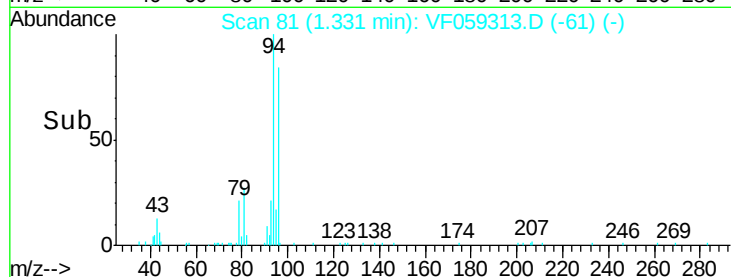
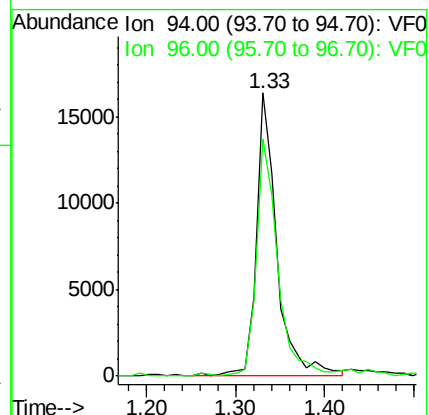
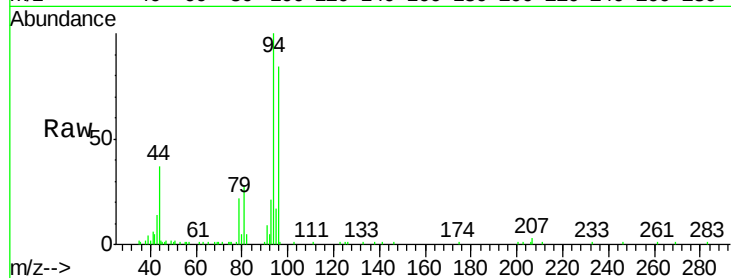
VF0626SBS01

Tot Ion: 94 Resp: 25659

Ion Ratio Lower Upper

94 100

96 83.9 73.4 110.0



#6

Chloroethane

Concen: 20.709 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059313.D

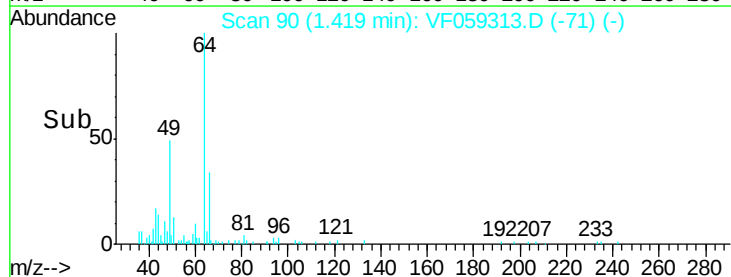
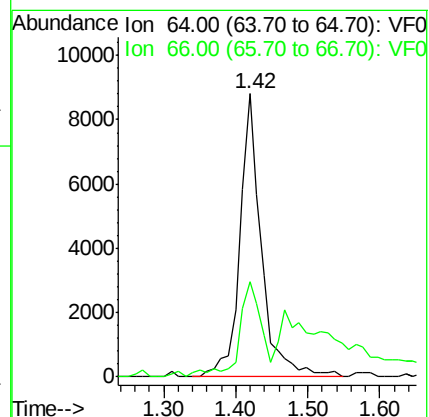
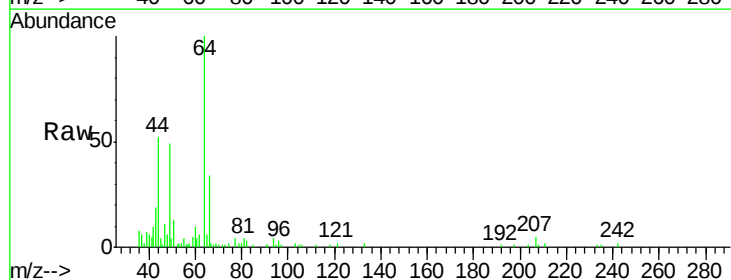
Acq: 26 Jun 2018 13:27

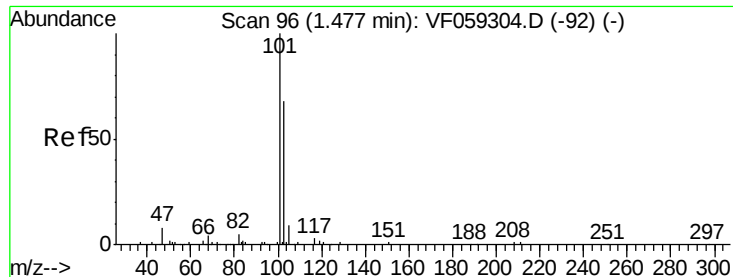
Tgt Ion: 64 Resp: 18415

Ion Ratio Lower Upper

64 100

66 33.8 23.9 35.9





#7

Trichlorofluoromethane

Concen: 6.814 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

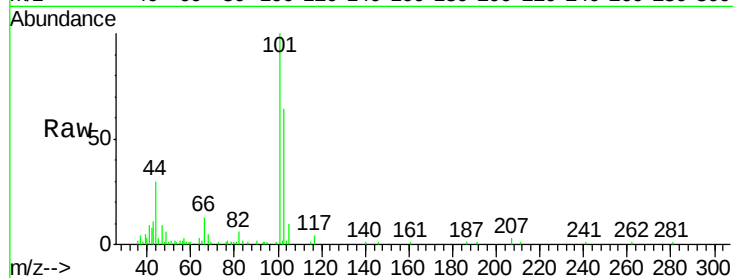
VF0626SBSD01

Tot Ion:101 Resp: 23790

Ion Ratio Lower Upper

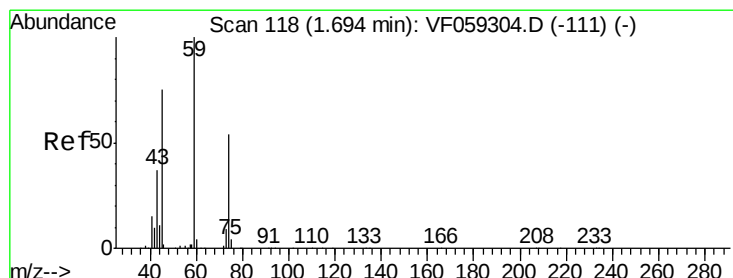
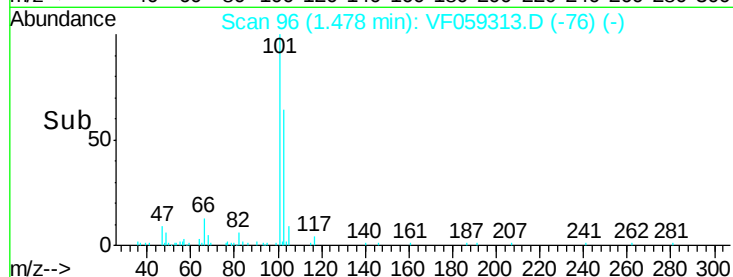
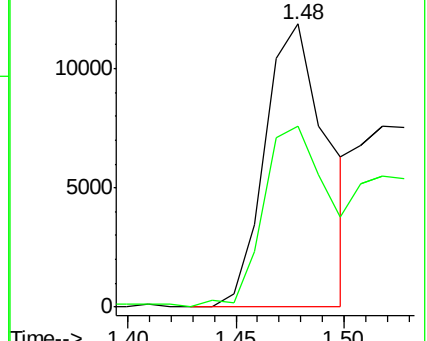
101 100

103 64.1 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: 20.713 ug/l

RT: 1.70 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059313.D

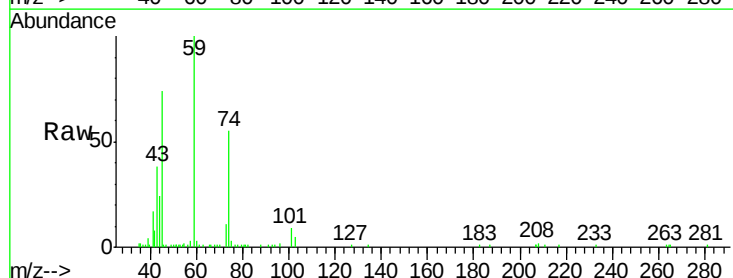
Acq: 26 Jun 2018 13:27

Tgt Ion: 74 Resp: 18542

Ion Ratio Lower Upper

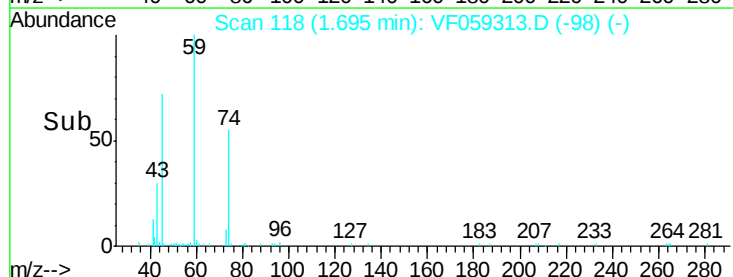
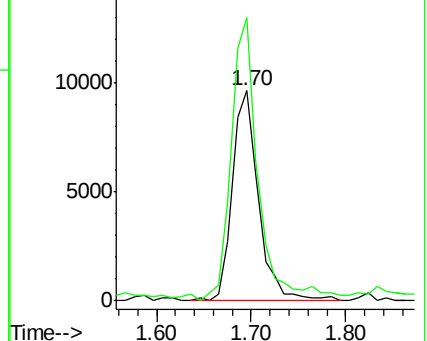
74 100

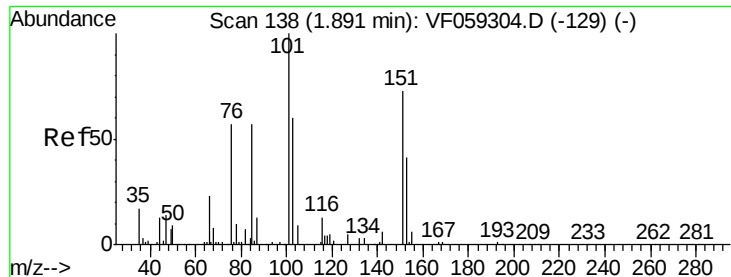
45 134.8 70.0 210.0



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: 21.309 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

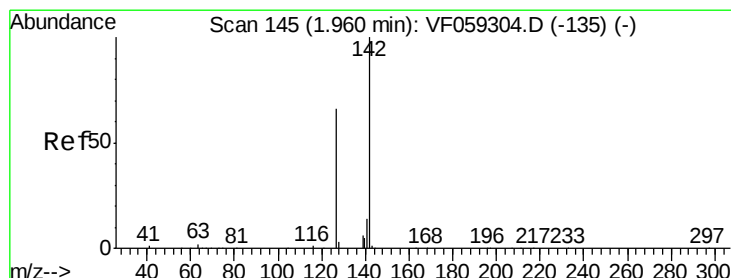
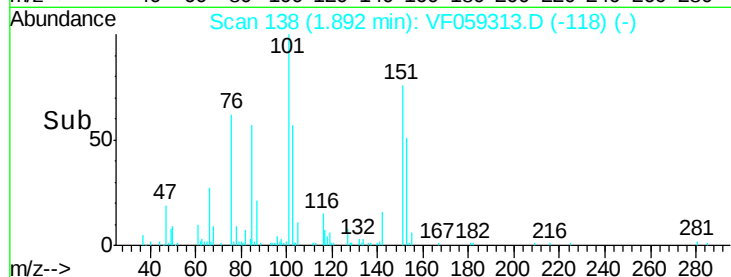
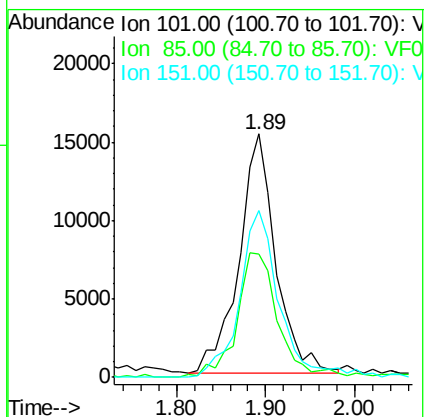
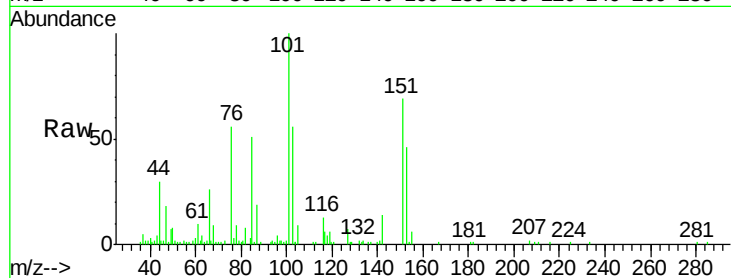
Tot Ion:101 Resp: 43427

Ion Ratio Lower Upper

101 100

85 50.9 44.5 66.7

151 68.8 56.8 85.2



#10

Methyl Iodide

Concen: 20.784 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

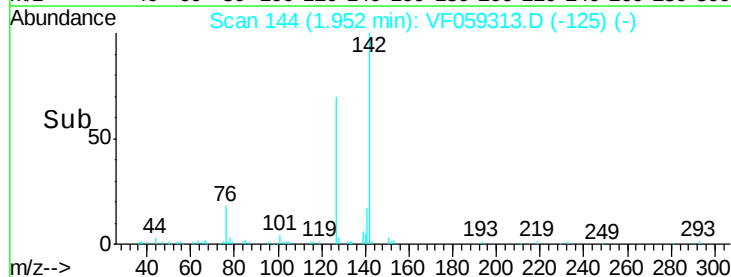
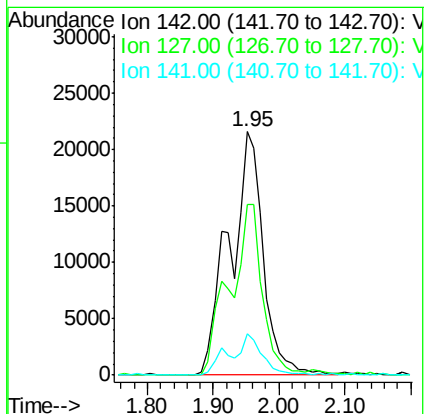
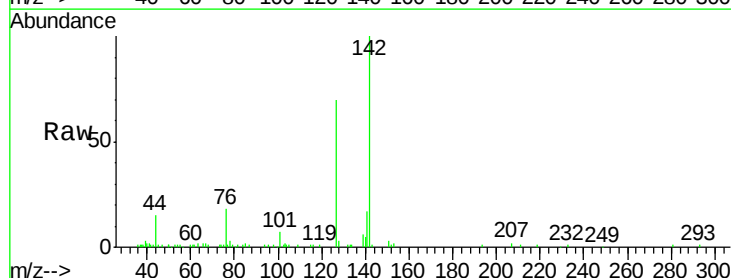
Tgt Ion:142 Resp: 77238

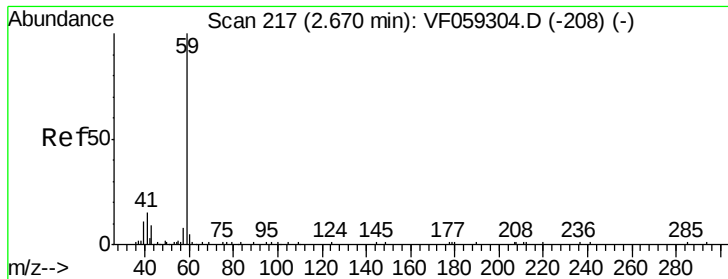
Ion Ratio Lower Upper

142 100

127 70.1 52.5 78.7

141 17.3 11.5 17.3



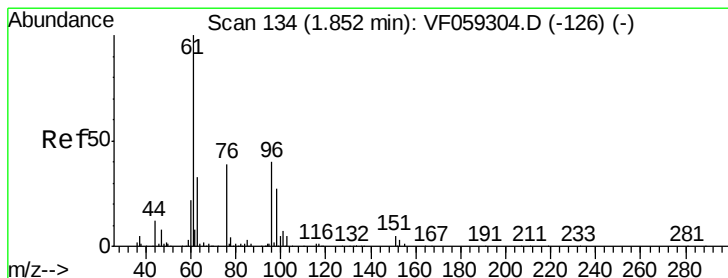
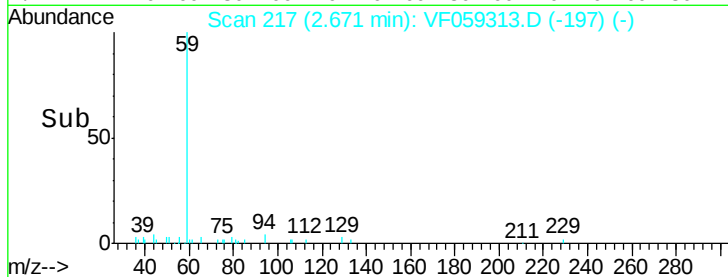
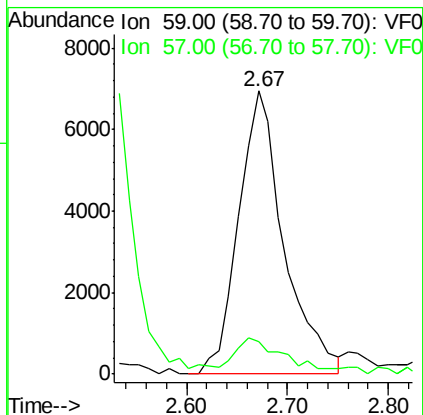
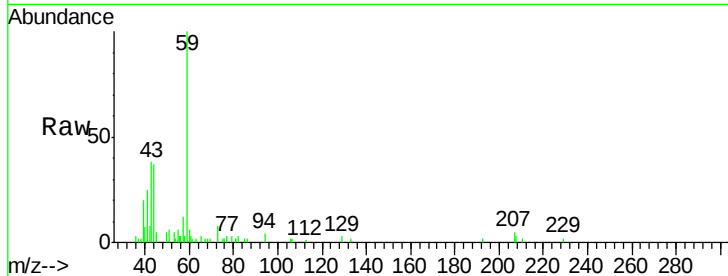


#11

Tert butyl alcohol
 Concen: 86.645 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.00 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

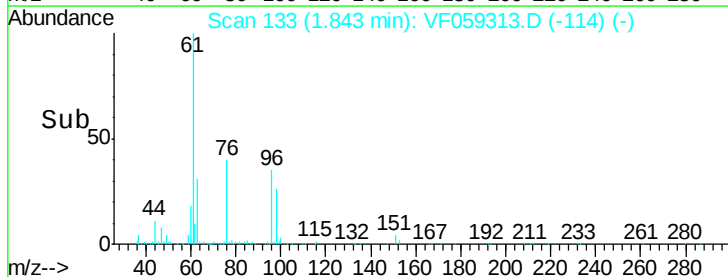
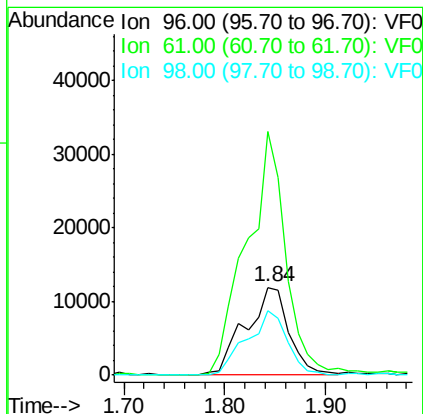
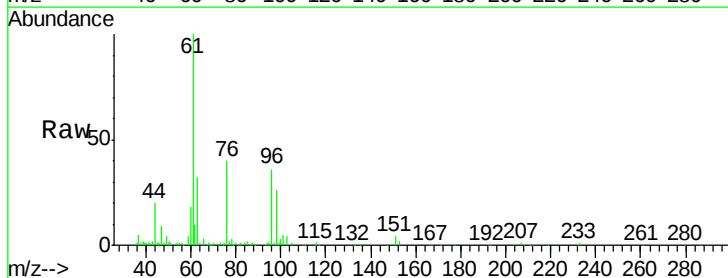
Tot Ion: 59 Resp: 21778
 Ion Ratio Lower Upper
 59 100
 57 11.7 11.0 16.4

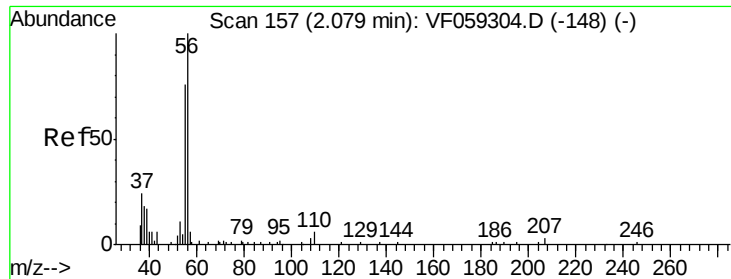


#12

1,1-Dichloroethene
 Concen: 20.767 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion: 96 Resp: 35779
 Ion Ratio Lower Upper
 96 100
 61 277.5 201.1 301.7
 98 72.9 53.9 80.9





#13

Acrolein

Concen: 111.167 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

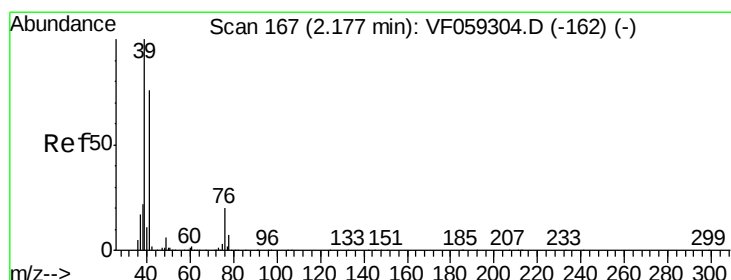
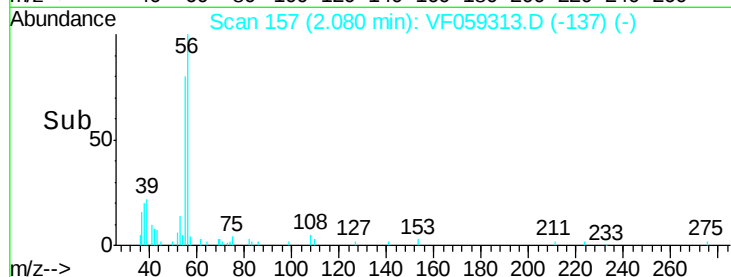
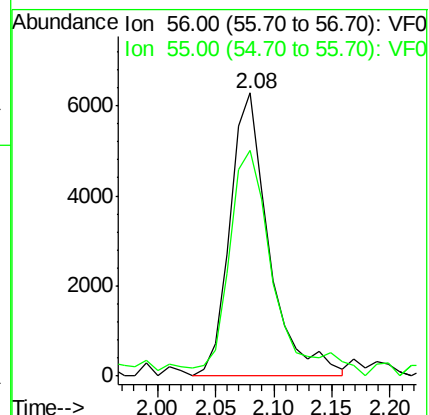
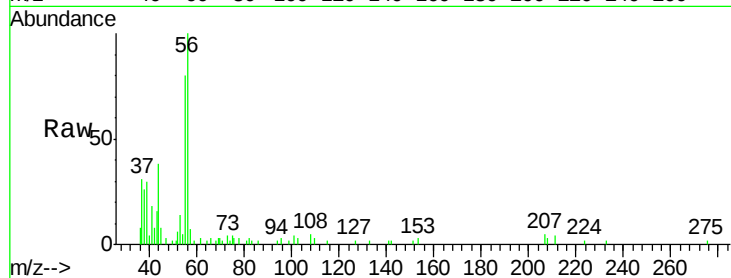
VF0626SBSD01

Tot Ion: 56 Resp: 14610

Ion Ratio Lower Upper

56 100

55 79.9 62.4 93.6



#14

Allyl chloride

Concen: 21.449 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

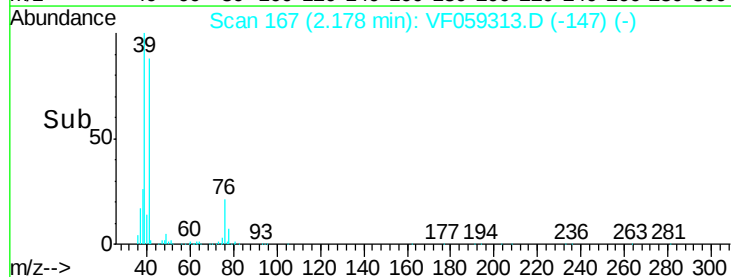
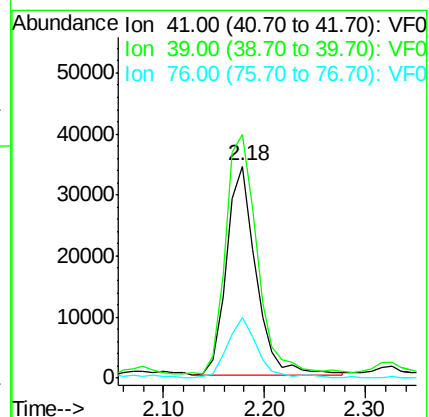
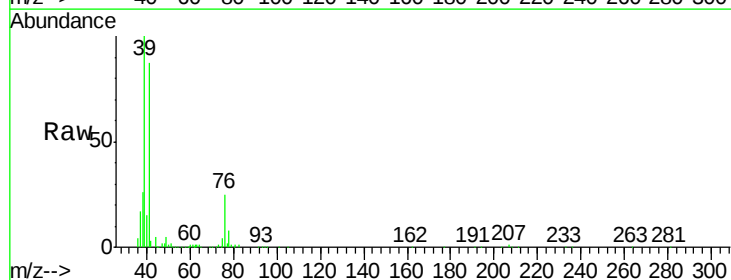
Tgt Ion: 41 Resp: 69369

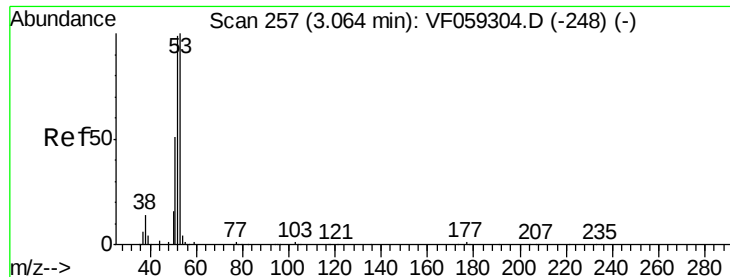
Ion Ratio Lower Upper

41 100

39 114.8 105.6 158.4

76 28.8 21.6 32.4





#15

Acrylonitrile

Concen: 109.057 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

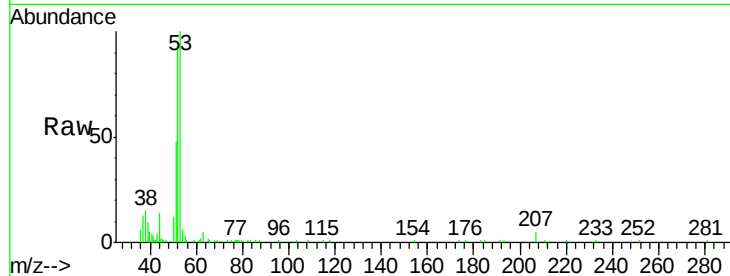
Tot Ion: 53 Resp: 48271

Ion Ratio Lower Upper

53 100

52 92.6 79.2 118.8

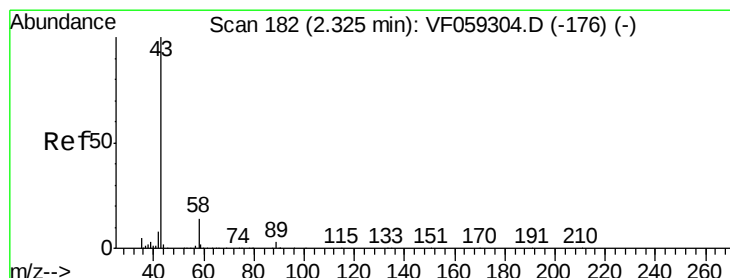
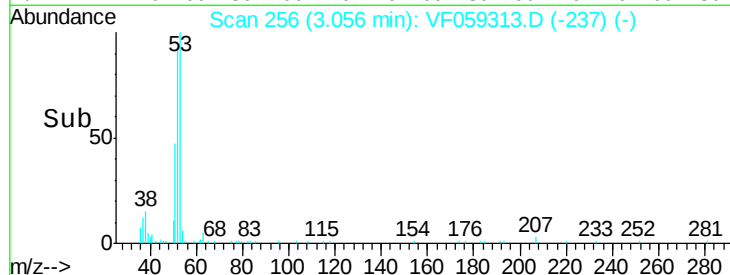
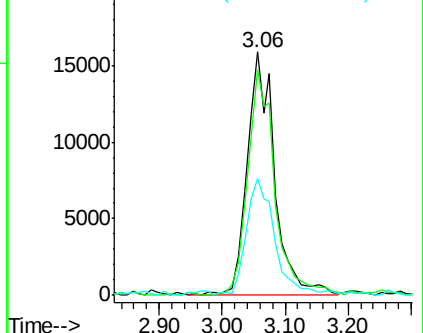
51 47.8 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 115.491 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059313.D

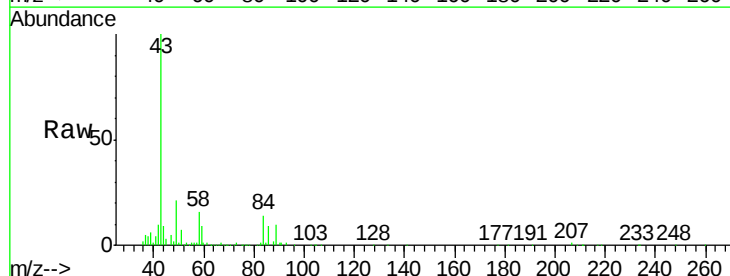
Acq: 26 Jun 2018 13:27

Tgt Ion: 43 Resp: 114073

Ion Ratio Lower Upper

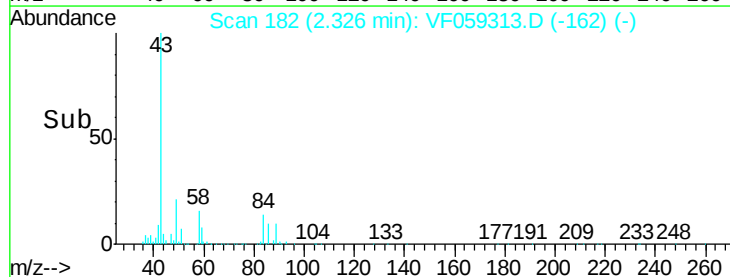
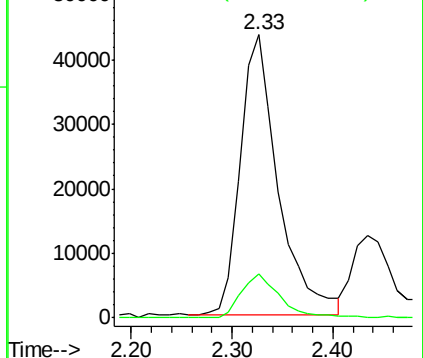
43 100

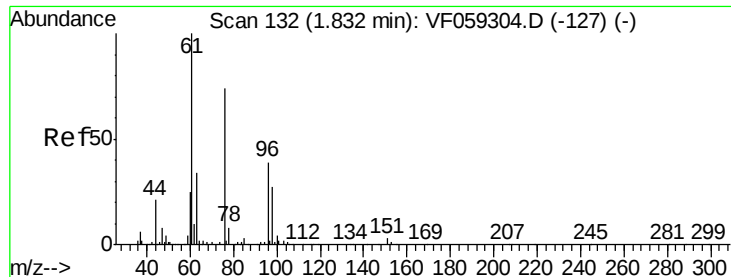
58 15.6 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 21.429 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

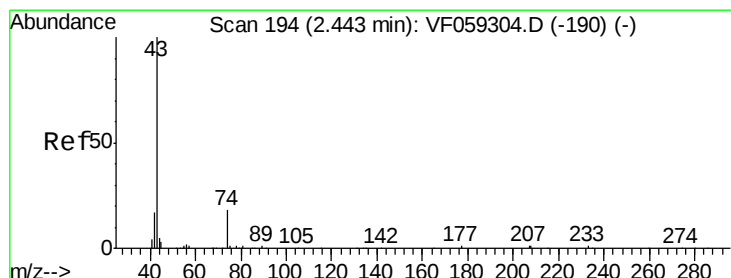
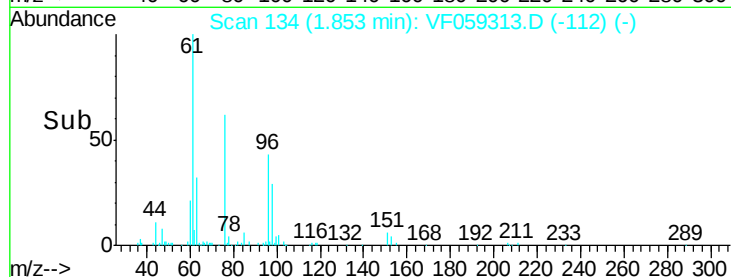
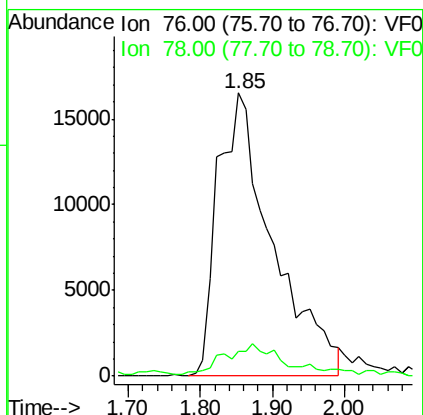
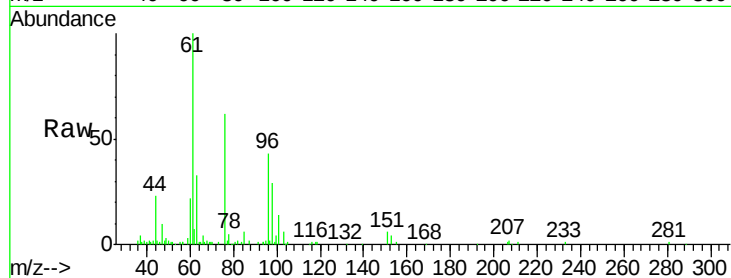
VF0626SBSD01

Tot Ion: 76 Resp: 86842

Ion Ratio Lower Upper

76 100

78 8.9 8.9 13.3



#18

Methyl Acetate

Concen: 18.131 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059313.D

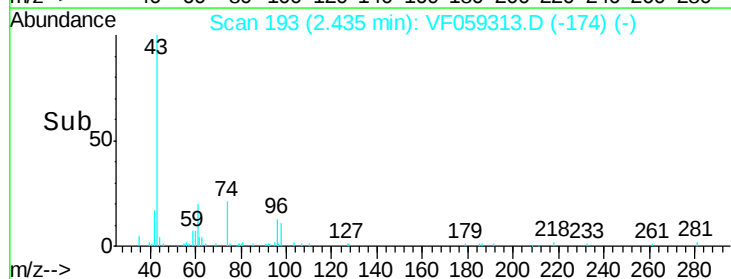
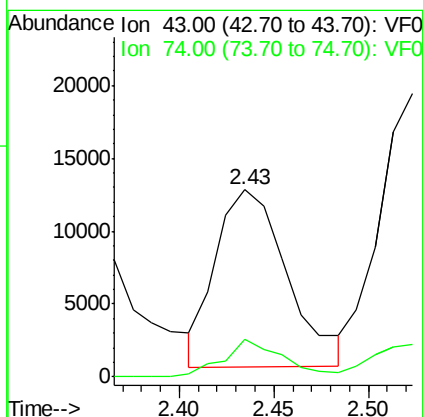
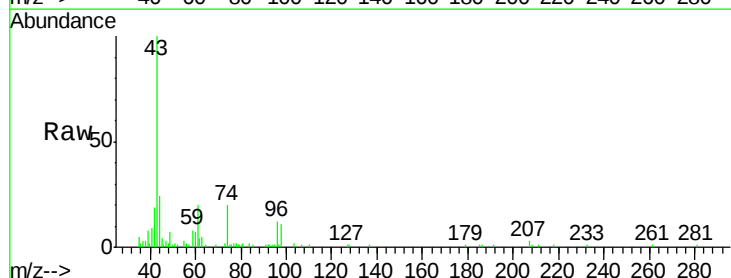
Acq: 26 Jun 2018 13:27

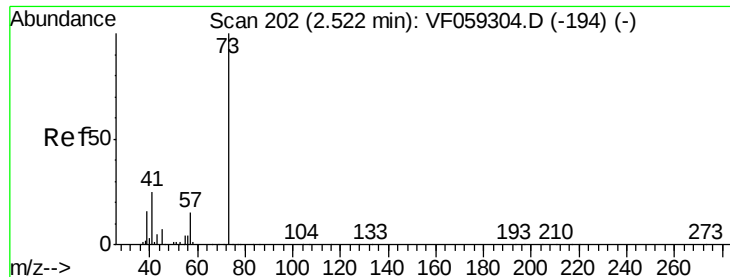
Tgt Ion: 43 Resp: 32160

Ion Ratio Lower Upper

43 100

74 20.2 13.3 19.9#



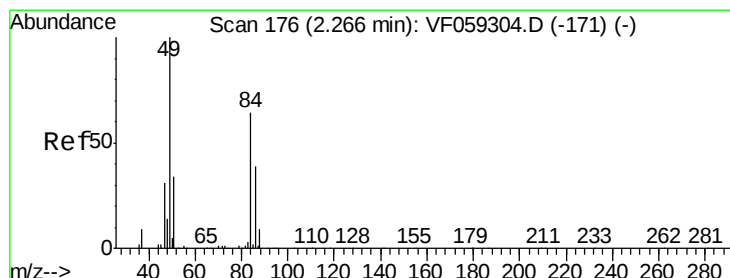
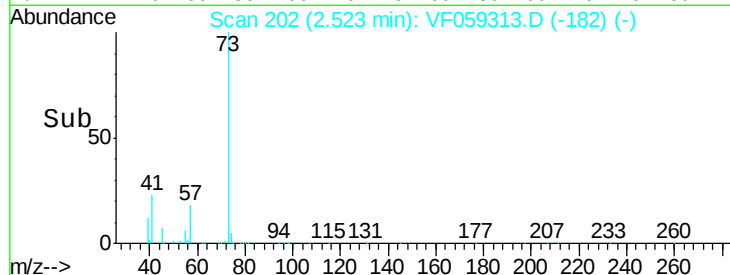
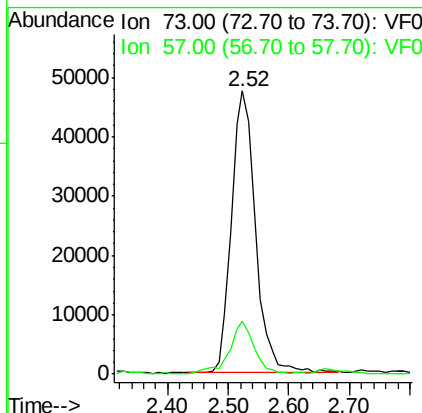
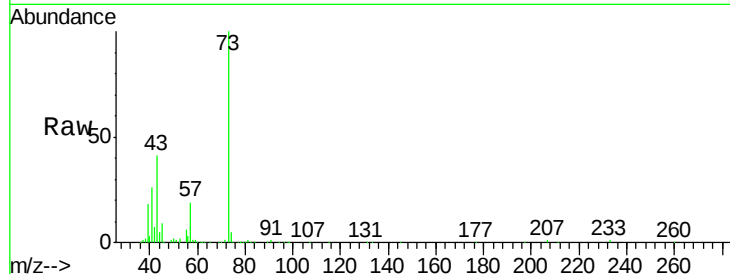


#19

Methyl tert-butyl Ether
 Concen: 20.555 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

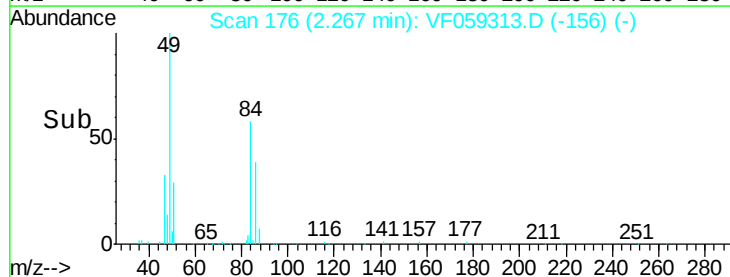
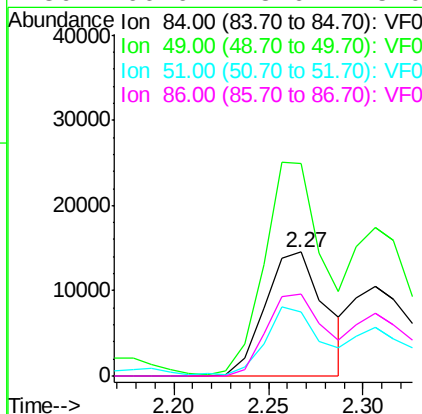
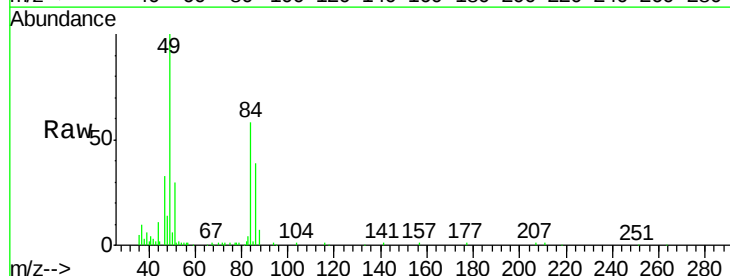
Tot Ion: 73 Resp: 132092
 Ion Ratio Lower Upper
 73 100
 57 18.7 12.3 18.5#

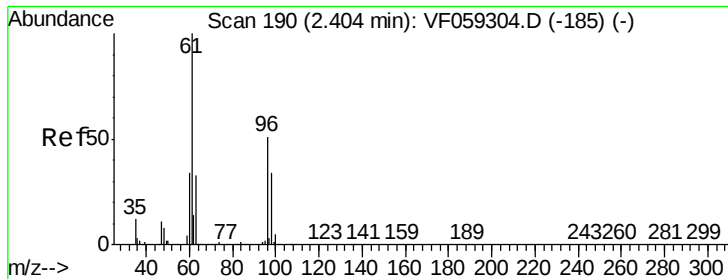


#20

Methylene Chloride
 Concen: 9.147 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion: 84 Resp: 32151
 Ion Ratio Lower Upper
 84 100
 49 171.8 126.5 189.7
 51 51.4 42.9 64.3
 86 66.6 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 22.387 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

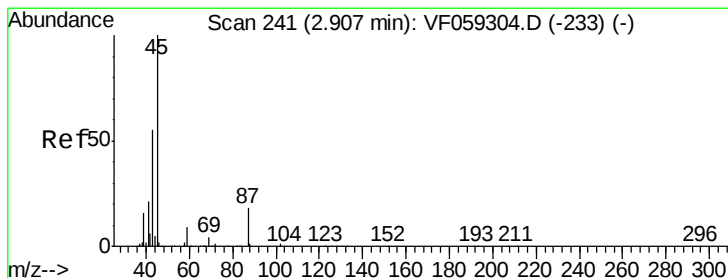
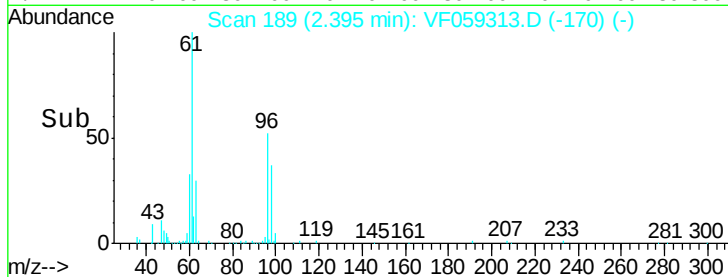
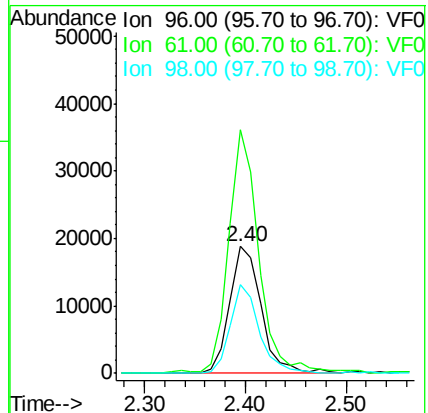
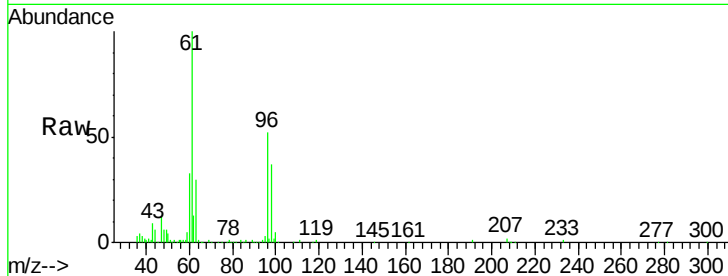
Tot Ion: 96 Resp: 41144

Ion Ratio Lower Upper

96 100

61 191.9 157.4 236.2

98 70.1 53.7 80.5



#22

Diisopropyl ether

Concen: 20.986 ug/l

RT: 2.91 min Scan# 241

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion: 45 Resp: 150294

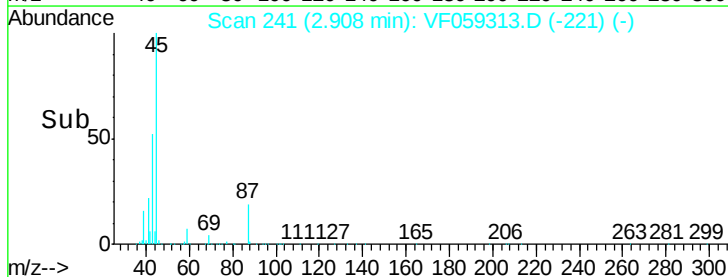
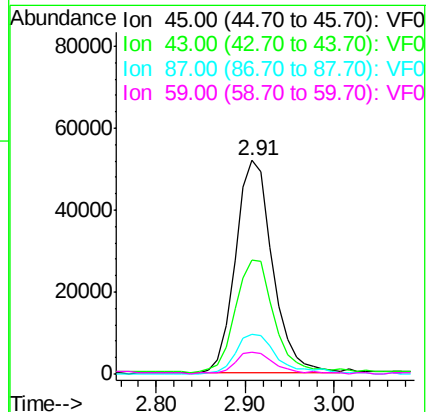
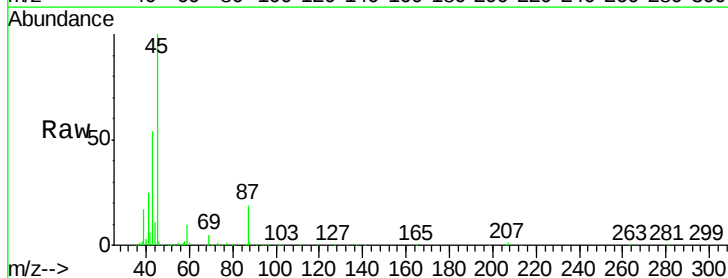
Ion Ratio Lower Upper

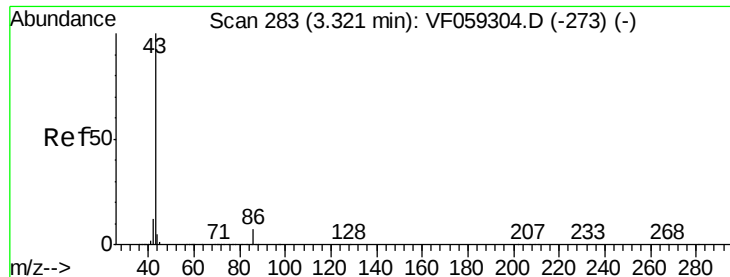
45 100

43 53.6 44.6 66.8

87 18.7 14.3 21.5

59 10.2 7.5 11.3





#23

Vinyl Acetate

Concen: 109.540 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

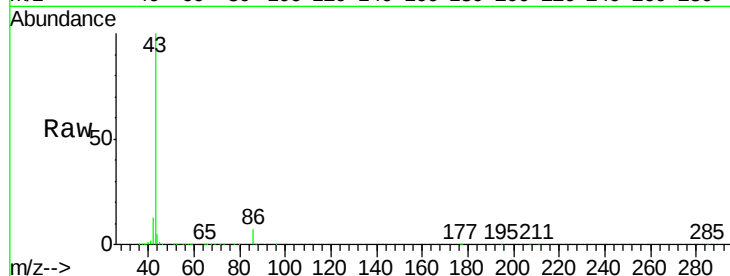
VF0626SBSD01

Tot Ion: 43 Resp: 499602

Ion Ratio Lower Upper

43 100

86 6.5 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

200000

150000

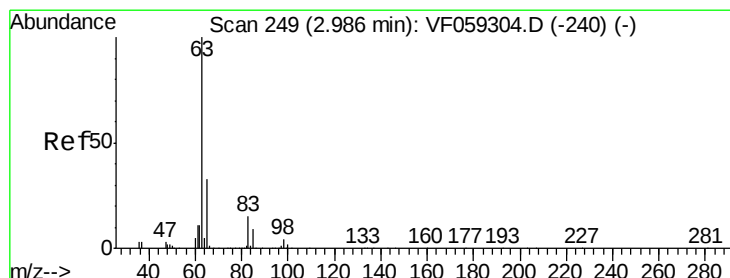
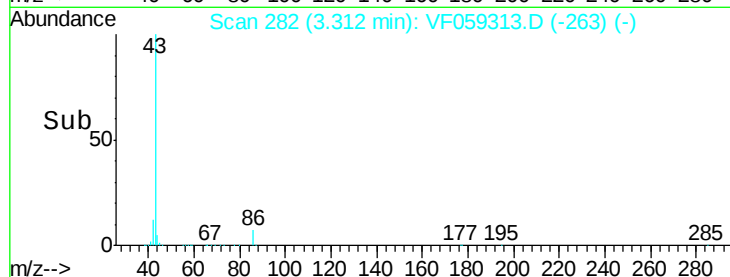
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 21.126 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

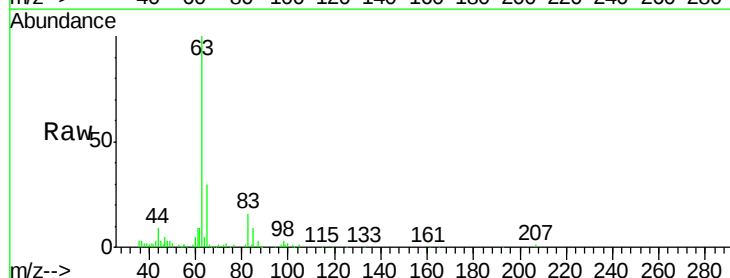
Tgt Ion: 63 Resp: 93805

Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

100 2.3 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

40000

30000

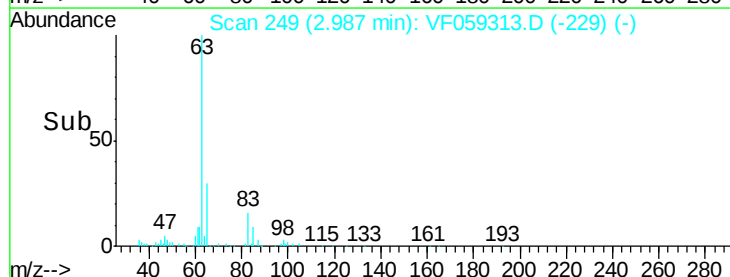
20000

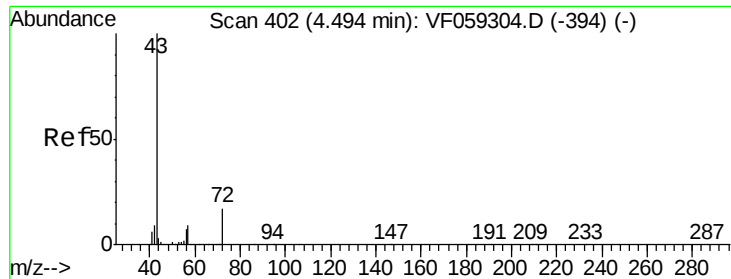
10000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 107.503 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

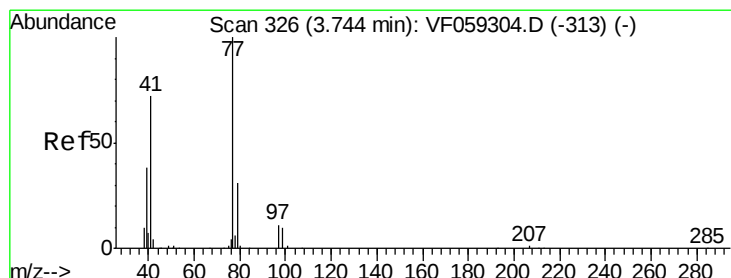
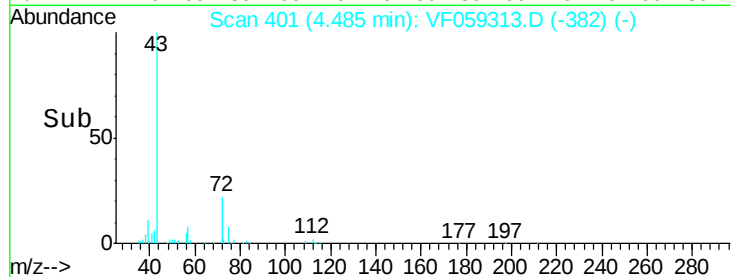
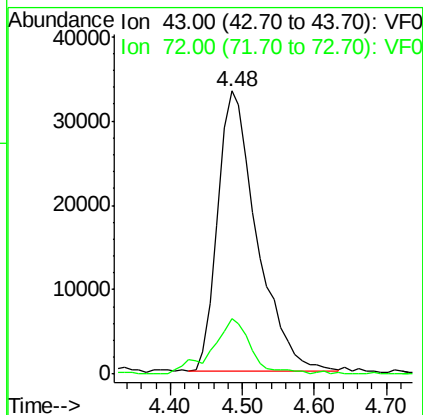
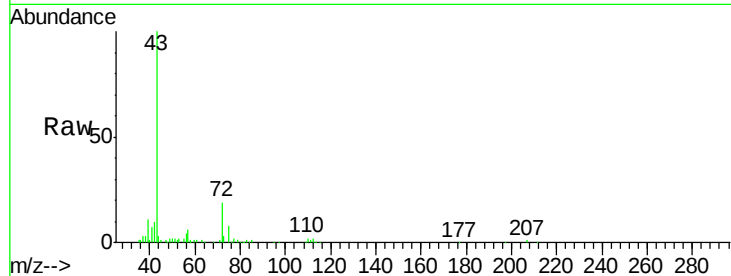
VF0626SBSD01

Tot Ion: 43 Resp: 124570

Ion Ratio Lower Upper

43 100

72 19.4 14.4 21.6



#26

2,2-Dichloropropane

Concen: 24.232 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059313.D

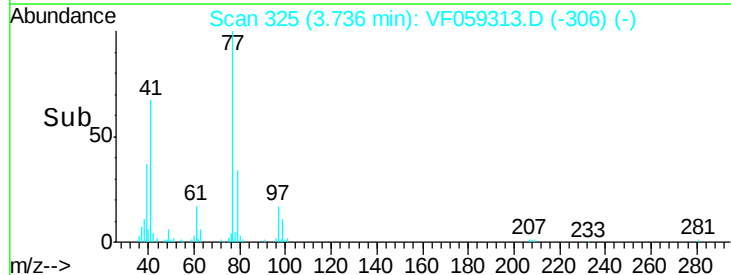
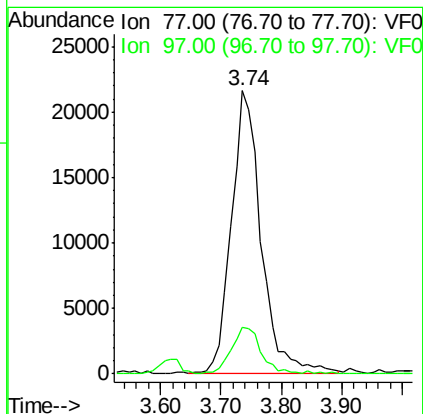
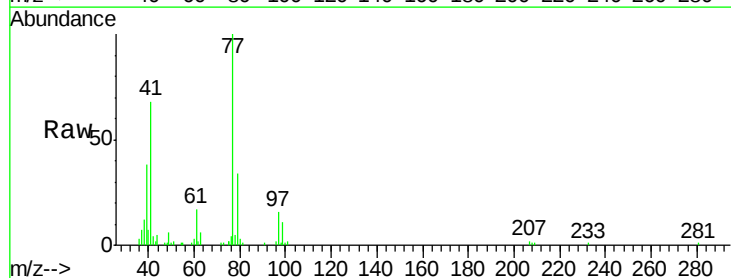
Acq: 26 Jun 2018 13:27

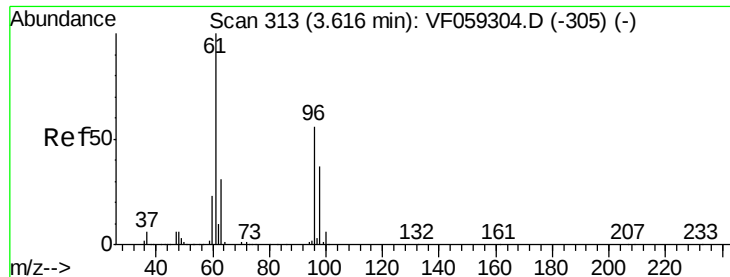
Tgt Ion: 77 Resp: 74212

Ion Ratio Lower Upper

77 100

97 16.4 8.0 23.8



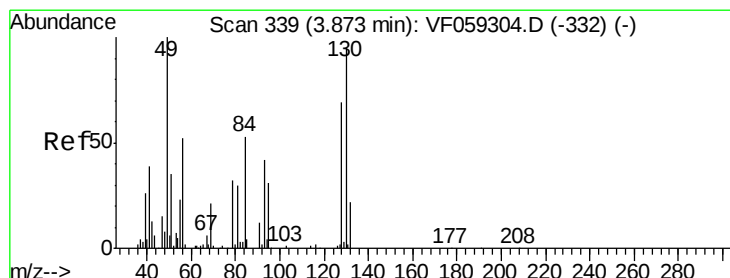
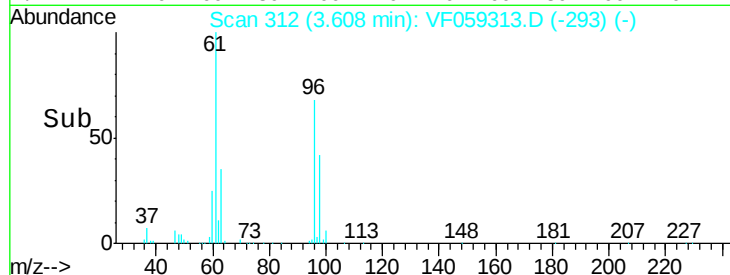
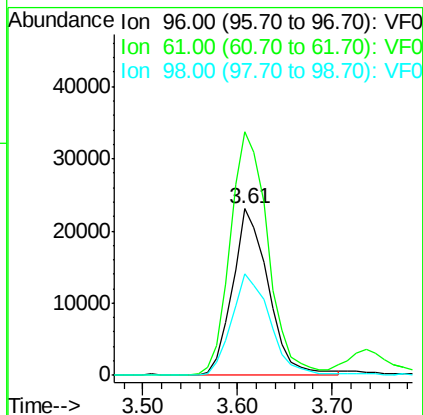
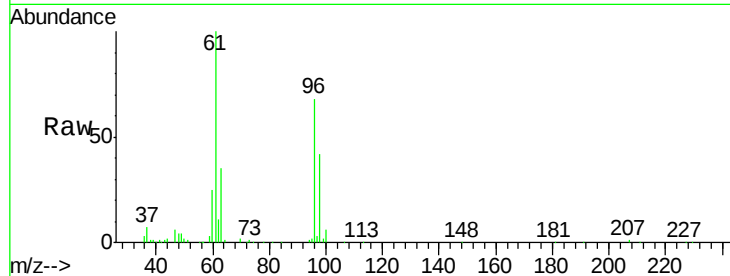


#27

cis-1,2-Dichloroethene
 Concen: 21.826 ug/l
 RT: 3.61 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

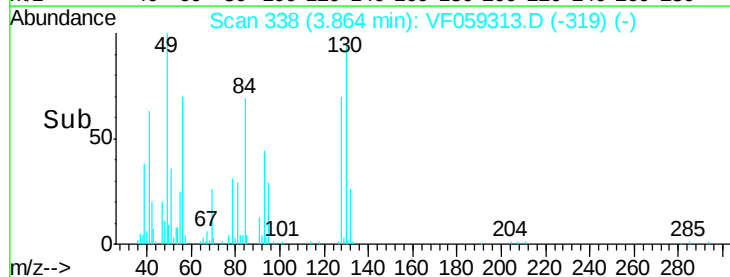
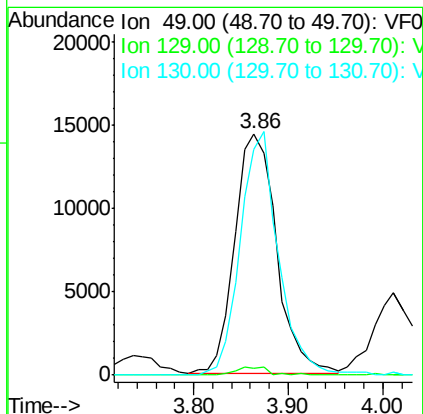
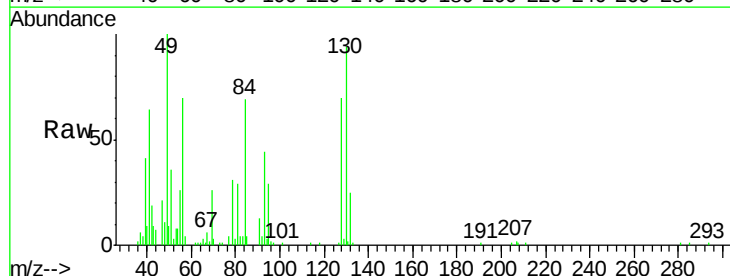
Tot Ion	96	Resp	60901
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	355.4
98	61.1	0.0	131.0

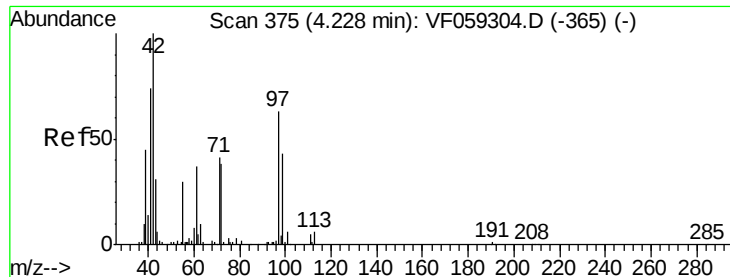


#28

Bromochloromethane
 Concen: 23.532 ug/l
 RT: 3.86 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion	49	Resp	43958
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.4
130	93.6	75.1	112.7

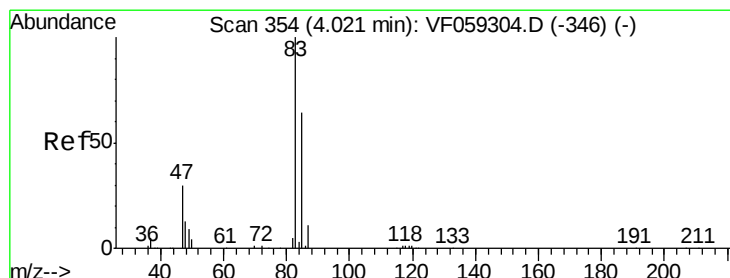
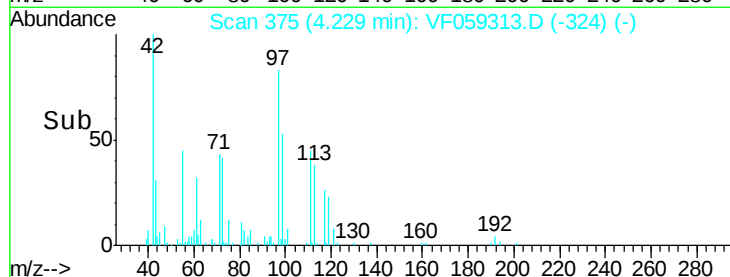
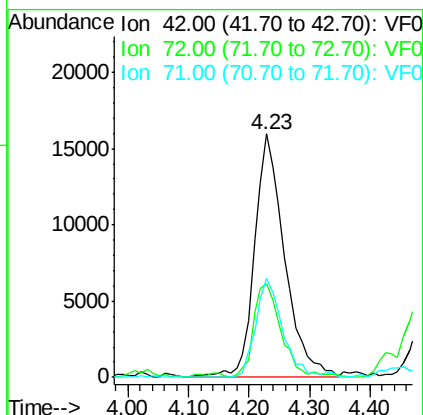
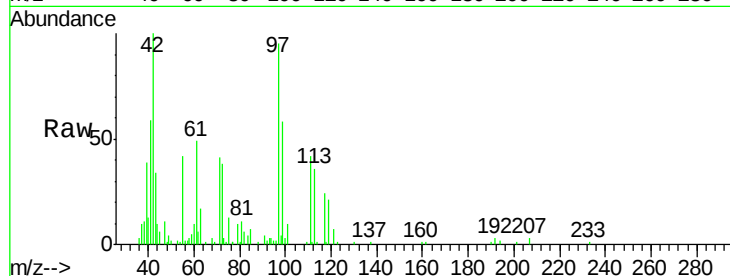




#29
Tetrahydrofuran
Concen: 108.776 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

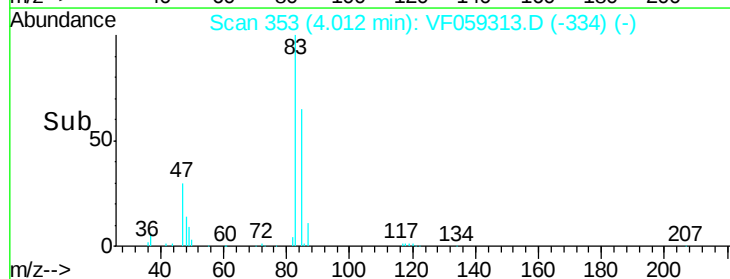
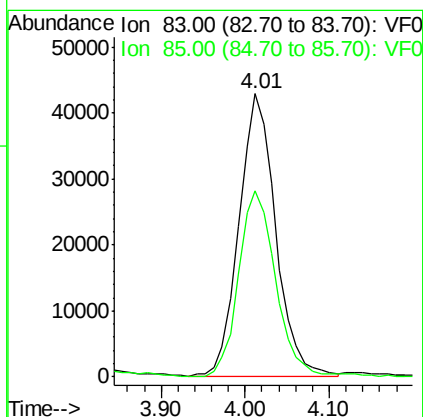
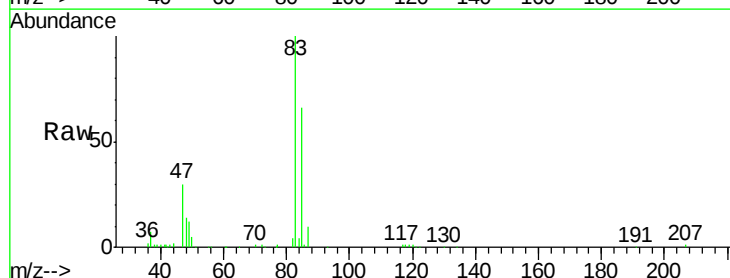
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

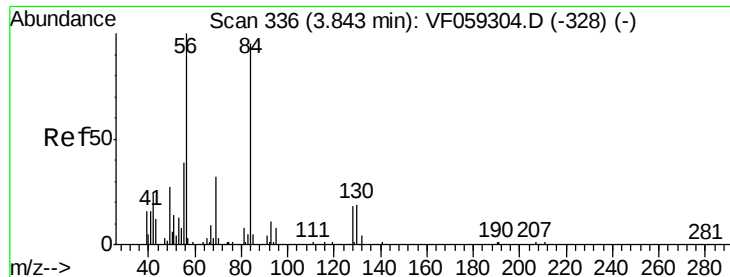
Tot Ion: 42 Resp: 55252
Ion Ratio Lower Upper
42 100
72 36.0 30.5 45.7
71 36.3 32.5 48.7



#30
Chloroform
Concen: 20.442 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion: 83 Resp: 131405
Ion Ratio Lower Upper
83 100
85 66.5 51.3 76.9





#31

Cyclohexane

Concen: 22.092 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

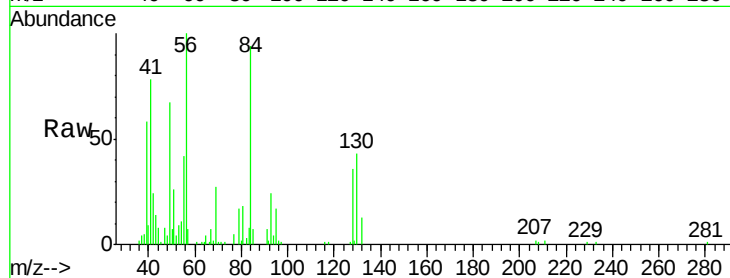
Tot Ion: 56 Resp: 64262

Ion Ratio Lower Upper

56 100

69 27.4 25.8 38.8

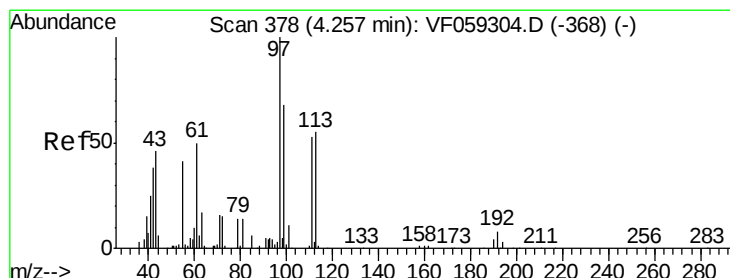
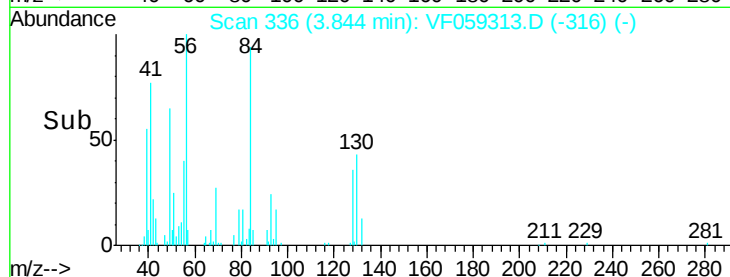
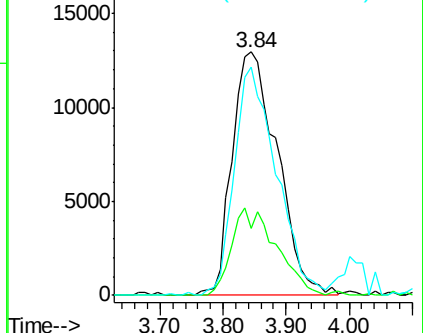
84 93.9 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.409 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

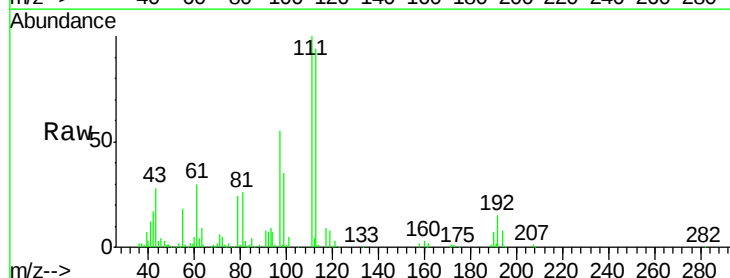
Tgt Ion: 97 Resp: 100708

Ion Ratio Lower Upper

97 100

99 64.0 54.1 81.1

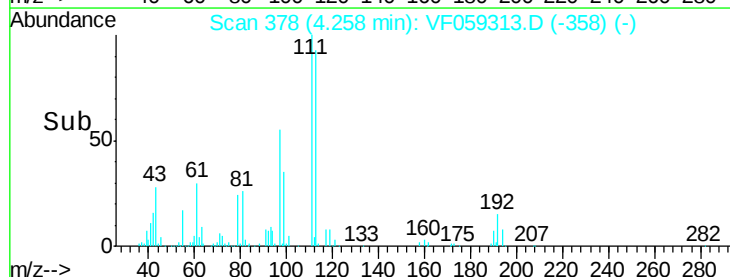
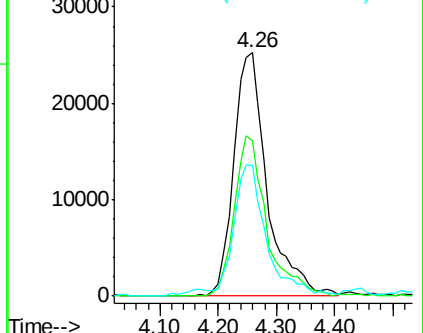
61 53.8 41.2 61.8

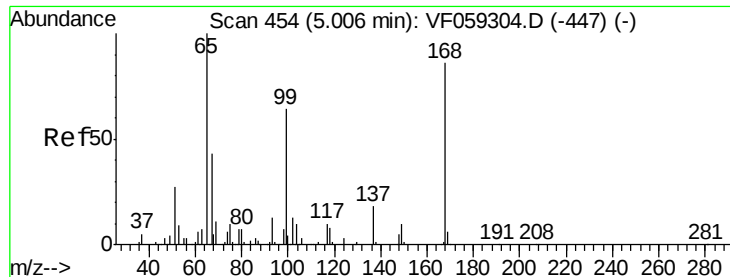


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.912 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

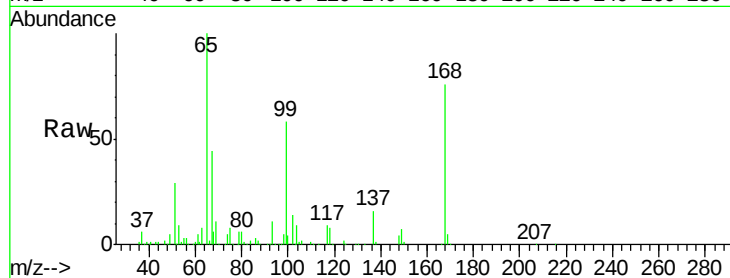
VF0626SBSD01

Tot Ion: 65 Resp: 177116

Ion Ratio Lower Upper

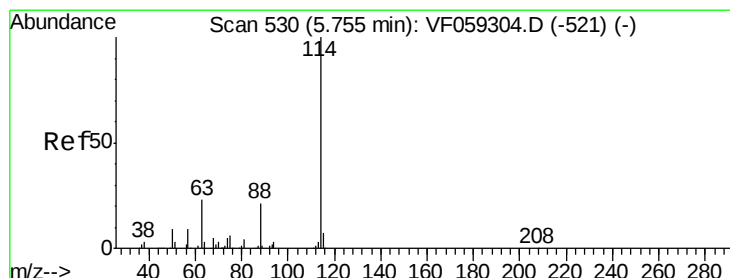
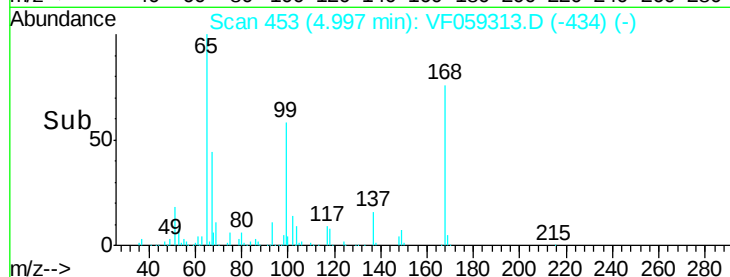
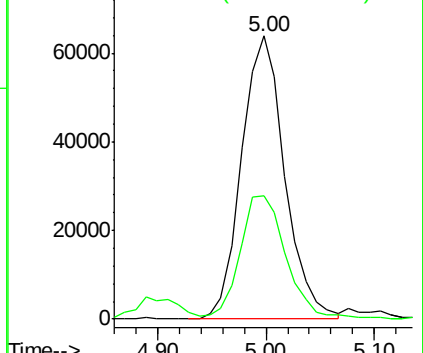
65 100

67 43.7 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

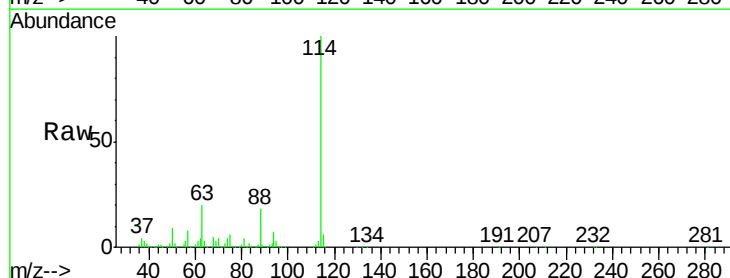
Tgt Ion: 114 Resp: 464847

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.8

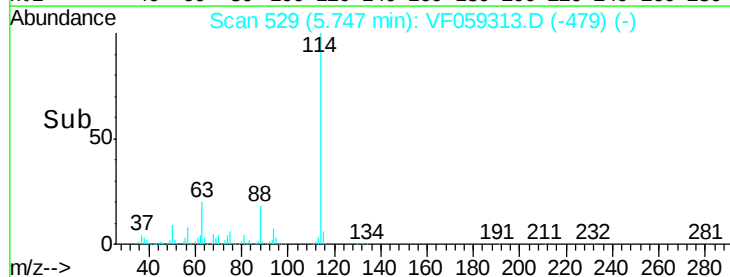
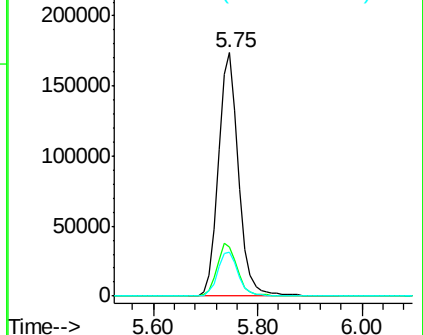
88 18.2 0.0 41.2

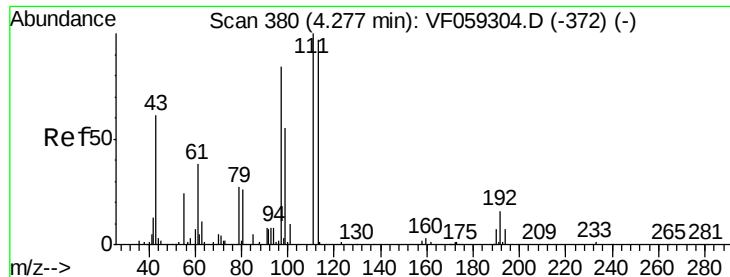


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.860 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

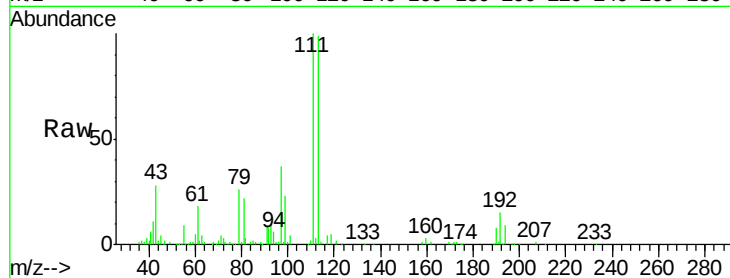
Tot Ion:113 Resp: 159160

Ion Ratio Lower Upper

113 100

111 100.5 82.1 123.1

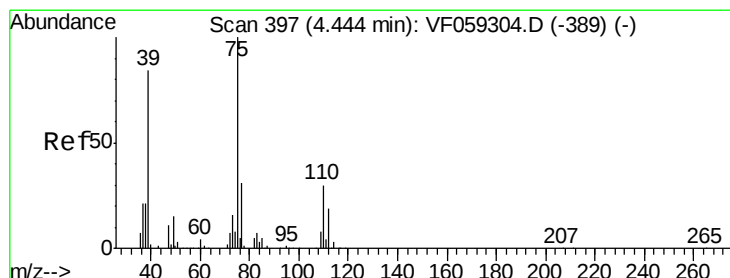
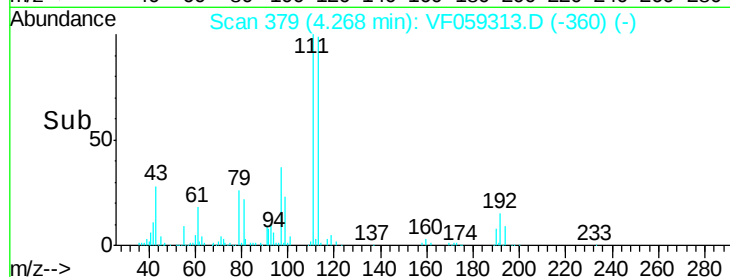
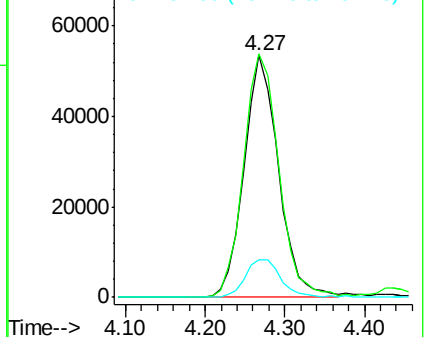
192 15.4 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.324 ug/l

RT: 4.44 min Scan# 396

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

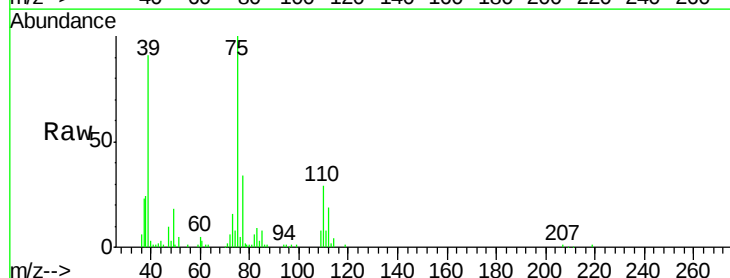
Tgt Ion: 75 Resp: 86594

Ion Ratio Lower Upper

75 100

110 28.9 14.8 44.4

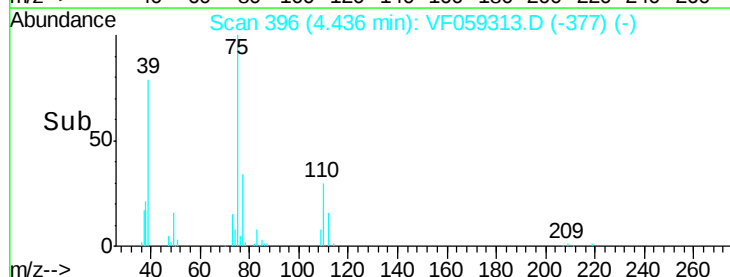
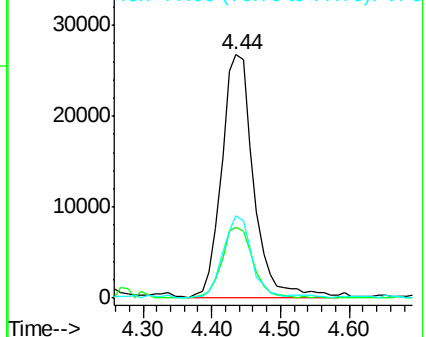
77 33.6 25.2 37.8

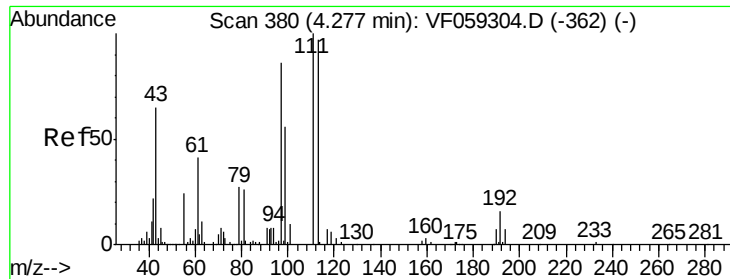


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

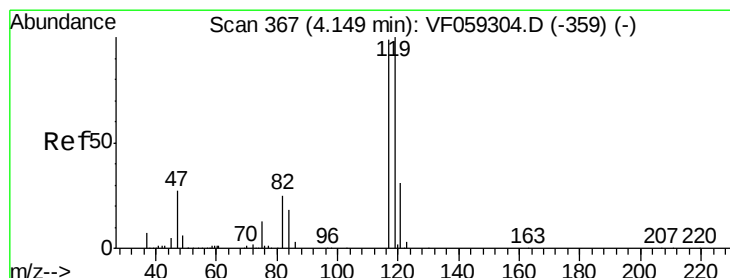
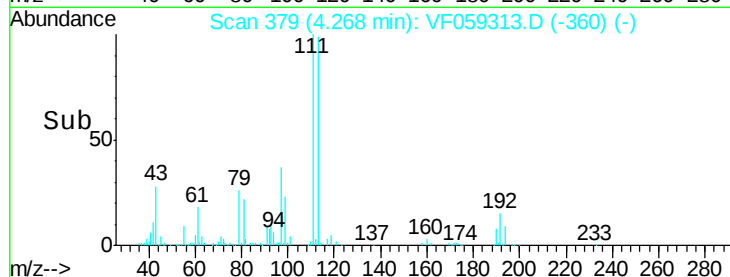
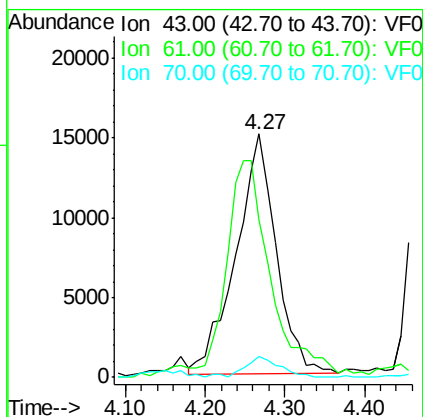
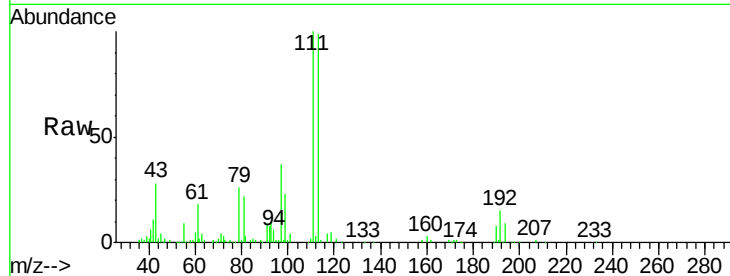




#37
Ethyl Acetate
Concen: 19.435 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

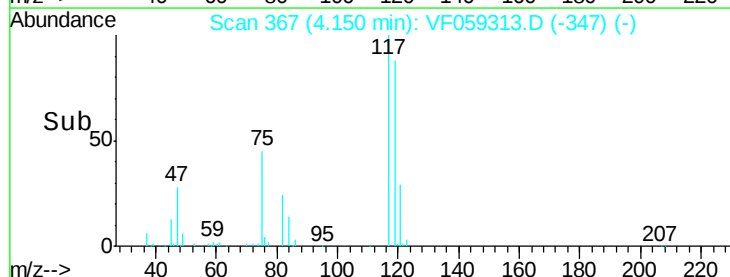
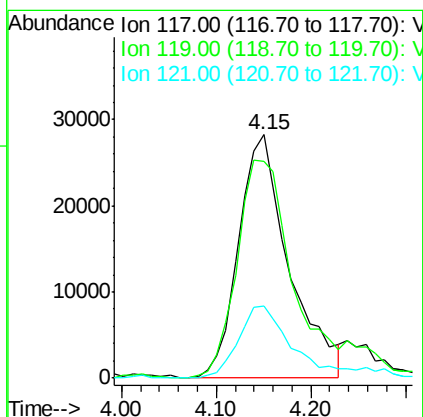
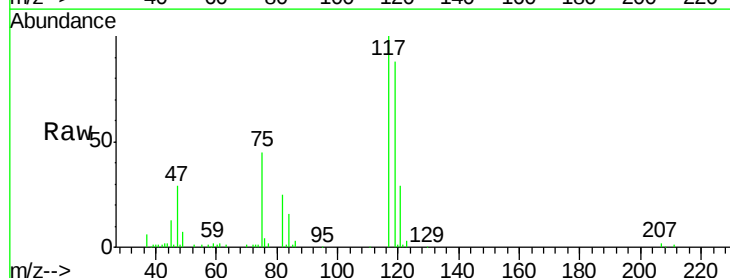
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

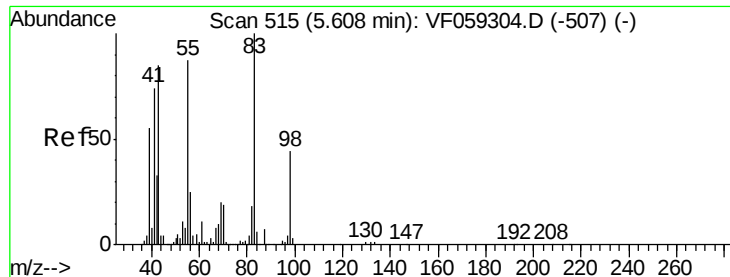
Tot Ion: 43 Resp: 52837
Ion Ratio Lower Upper
43 100
61 64.6 50.1 75.1
70 8.5 6.2 9.4



#38
Carbon Tetrachloride
Concen: 20.415 ug/l
RT: 4.15 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion: 117 Resp: 104622
Ion Ratio Lower Upper
117 100
119 89.0 81.0 121.4
121 29.8 24.7 37.1





#39

Methvlcvclohexane

Concen: 21.590 ug/l

RT: 5.60 min Scan# 514

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

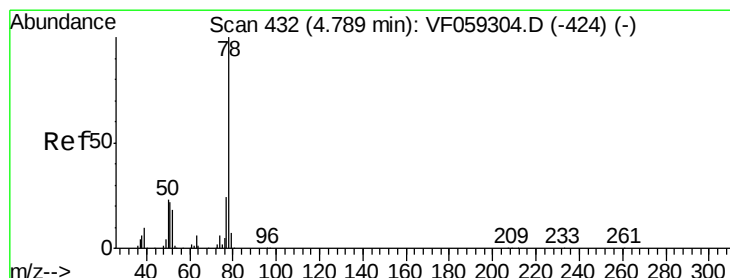
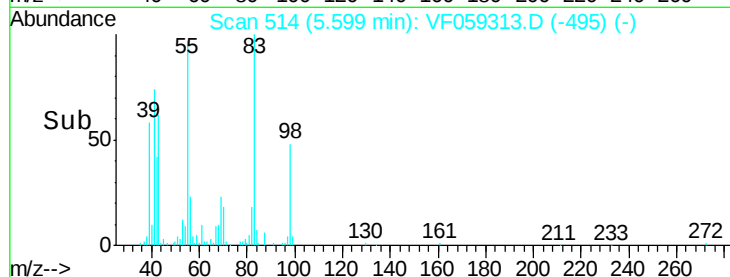
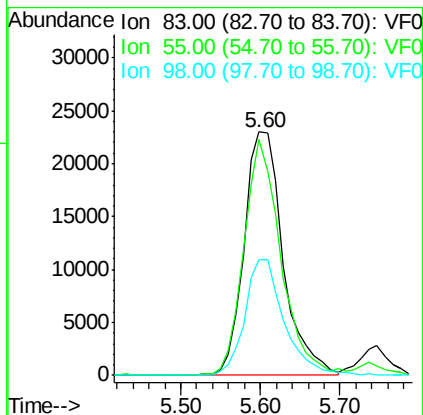
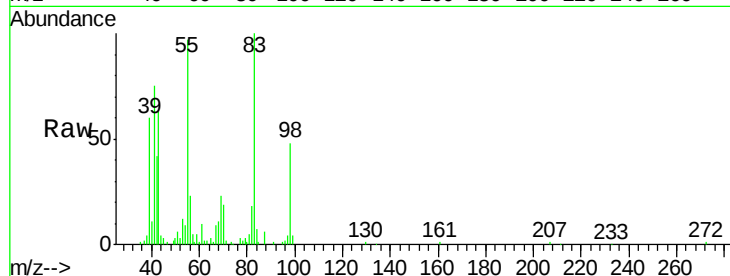
Tot Ion: 83 Resp: 77690

Ion Ratio Lower Upper

83 100

55 97.1 69.2 103.8

98 47.5 35.0 52.6



#40

Benzene

Concen: 20.905 ug/l

RT: 4.78 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF059313.D

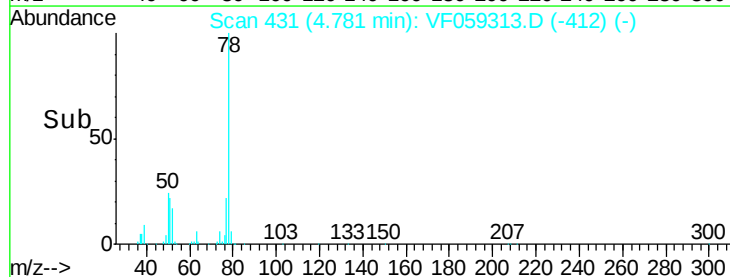
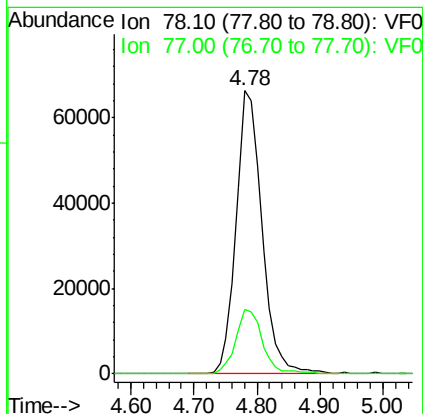
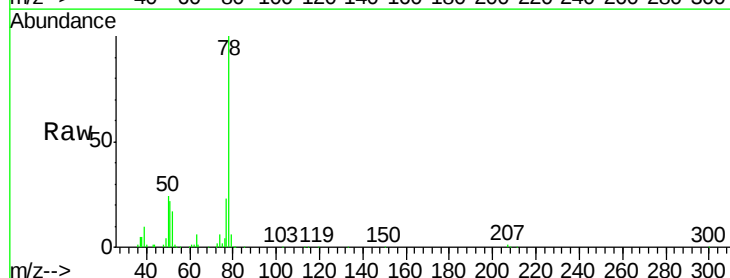
Acq: 26 Jun 2018 13:27

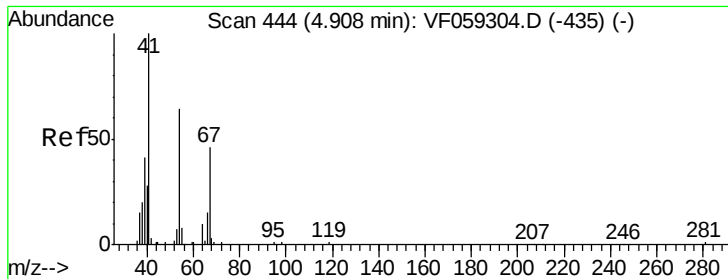
Tgt Ion: 78 Resp: 188220

Ion Ratio Lower Upper

78 100

77 22.6 19.6 29.4

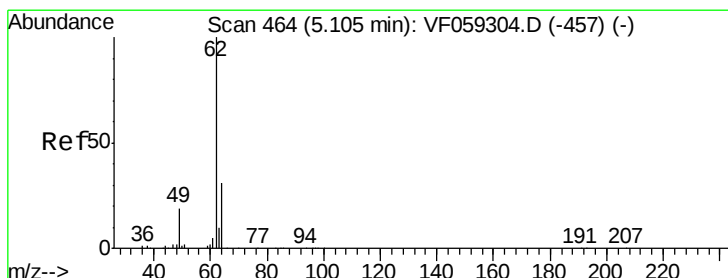
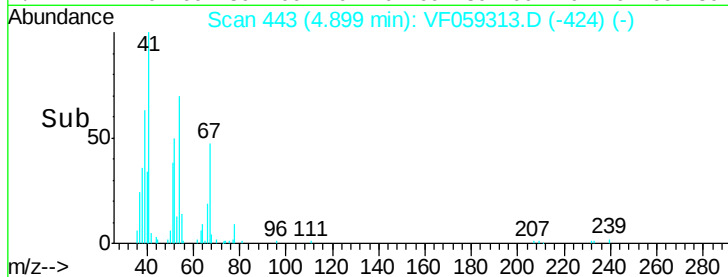
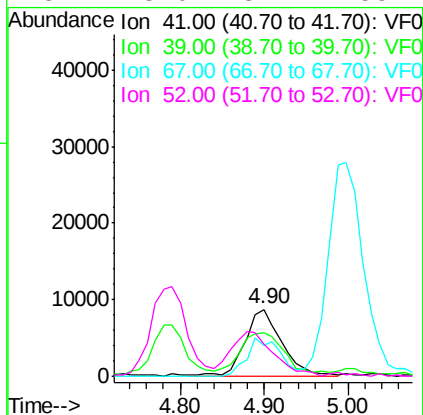
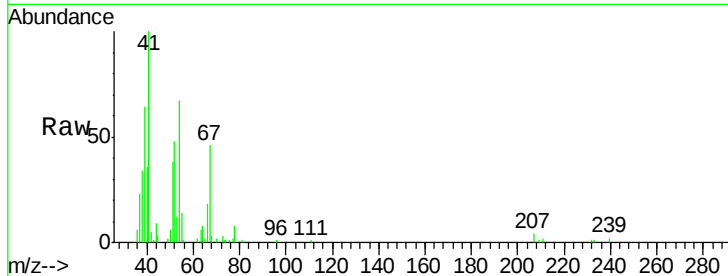




#41
Methacrylonitrile
Concen: 19.447 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

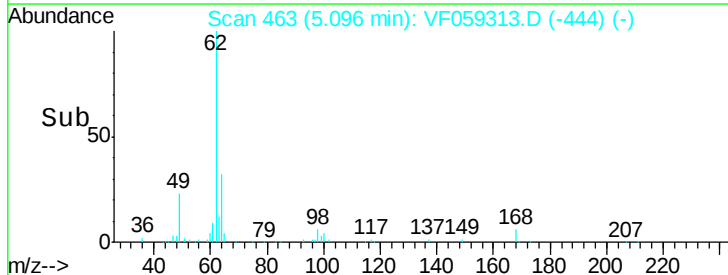
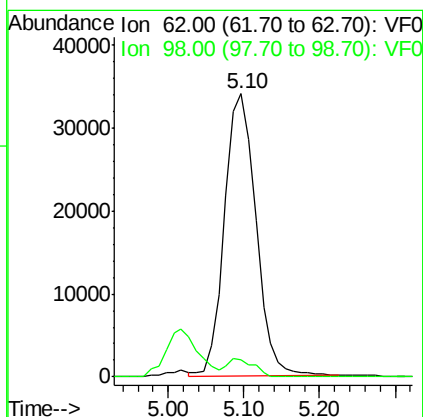
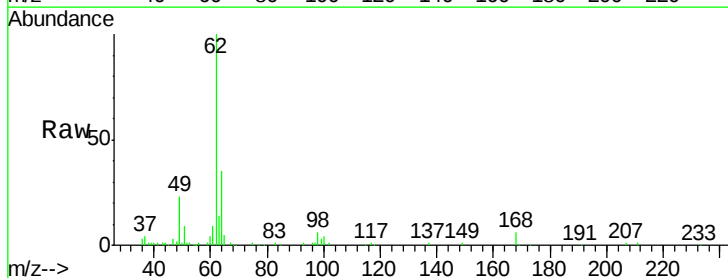
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

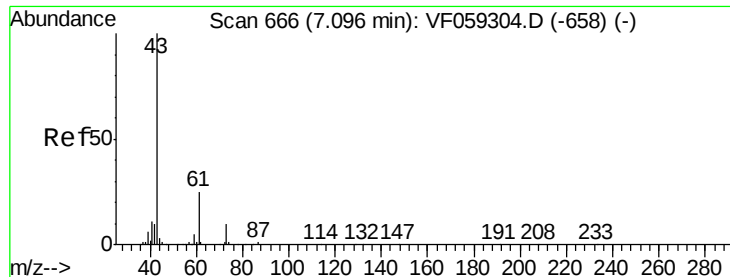
Tot Ion:	41	Resp:	26938
Ion	Ratio	Lower	Upper
41	100		
39	63.9	50.0	75.0
67	45.9	37.0	55.6
52	48.0	37.1	55.7



#42
1,2-Dichloroethane
Concen: 18.702 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion:	62	Resp:	98392
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.4





#43

Isopropyl Acetate

Concen: 19.064 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

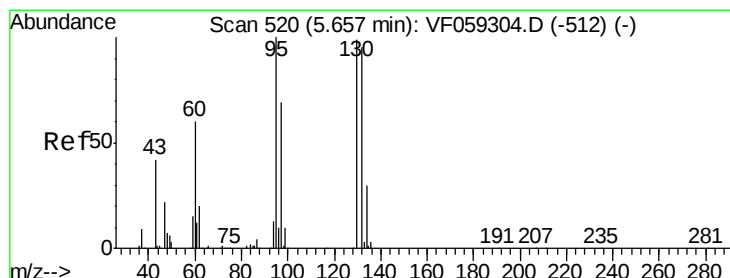
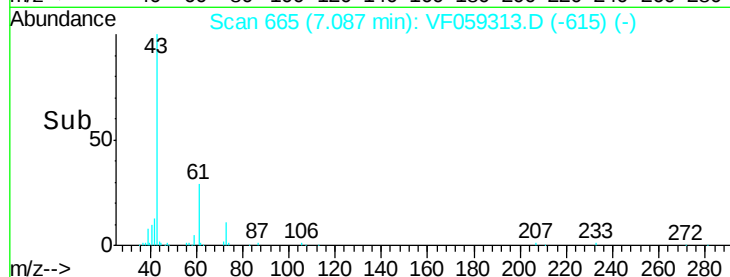
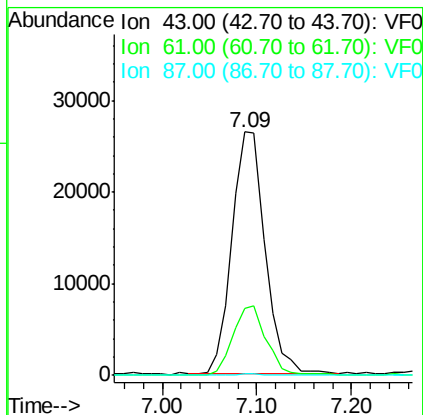
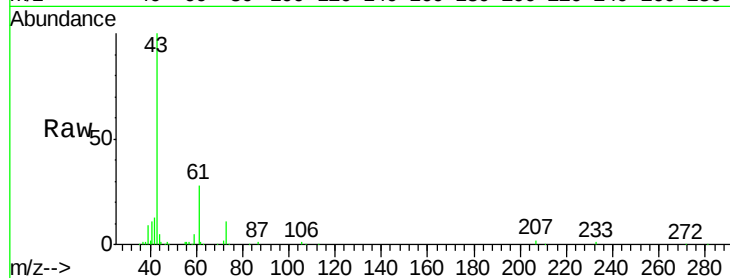
Tot Ion: 43 Resp: 64482

Ion Ratio Lower Upper

43 100

61 27.7 19.7 29.5

87 0.8 0.5 0.7#



#44

Trichloroethene

Concen: 19.828 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF059313.D

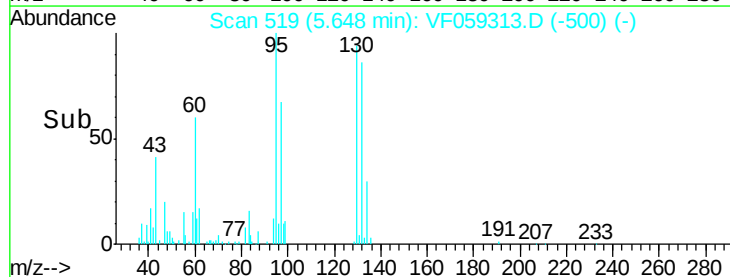
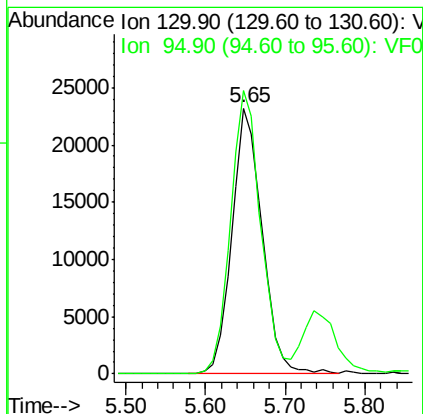
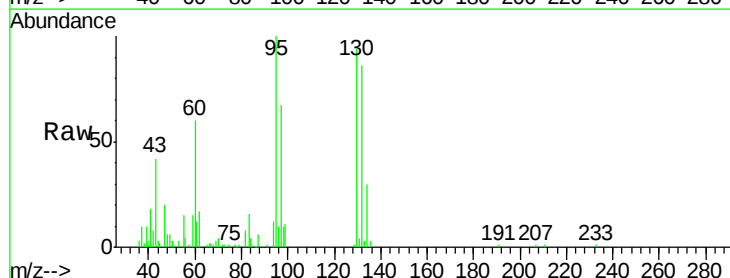
Acq: 26 Jun 2018 13:27

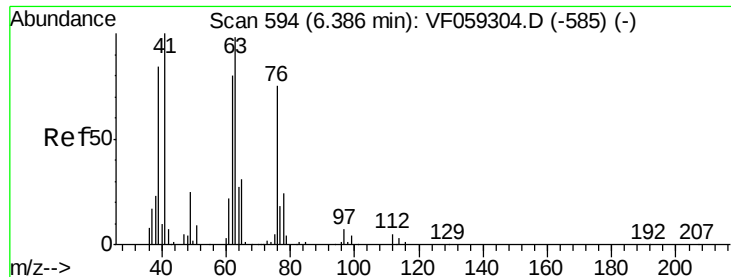
Tgt Ion: 130 Resp: 61242

Ion Ratio Lower Upper

130 100

95 106.5 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.614 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

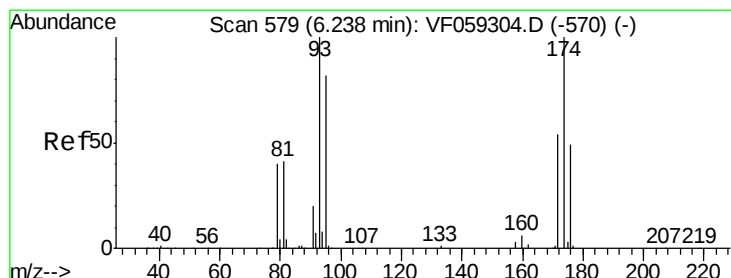
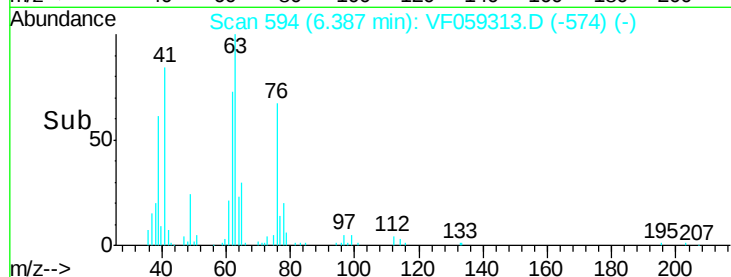
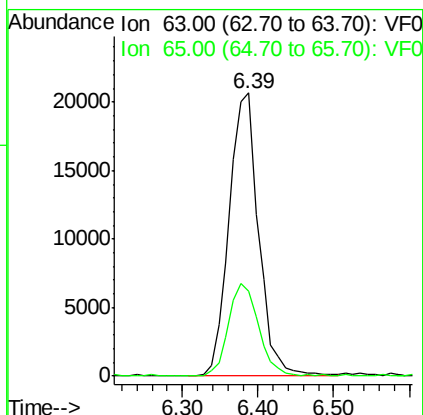
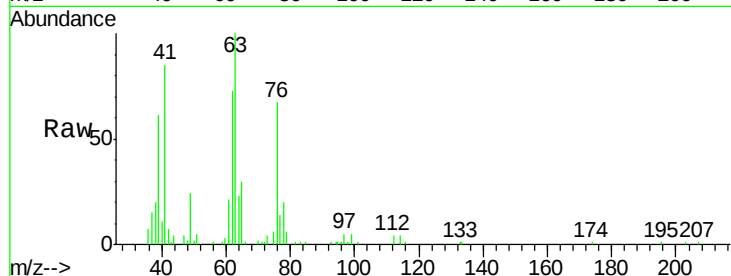
VF0626SBS01

Tot Ion: 63 Resp: 55600

Ion Ratio Lower Upper

63 100

65 30.1 25.3 37.9



#46

Dibromomethane

Concen: 21.322 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

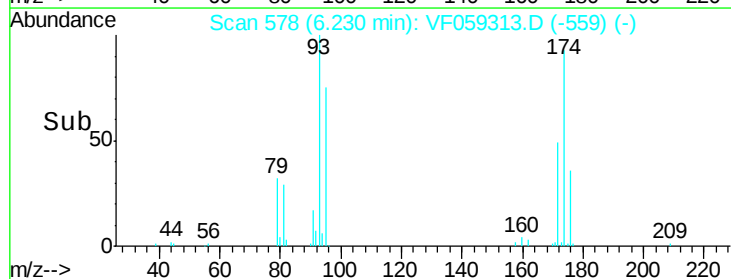
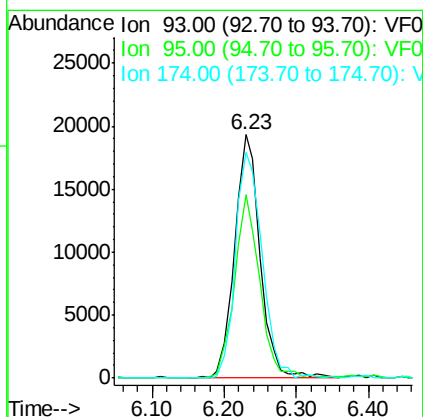
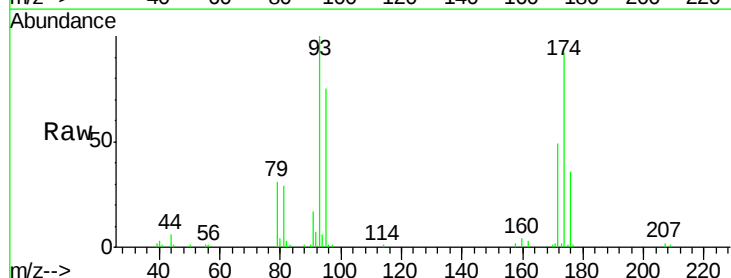
Tgt Ion: 93 Resp: 47607

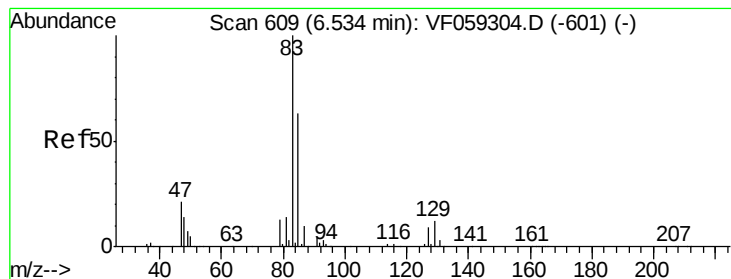
Ion Ratio Lower Upper

93 100

95 75.2 65.6 98.4

174 92.5 80.0 120.0





#47

Bromodichloromethane

Concen: 20.720 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

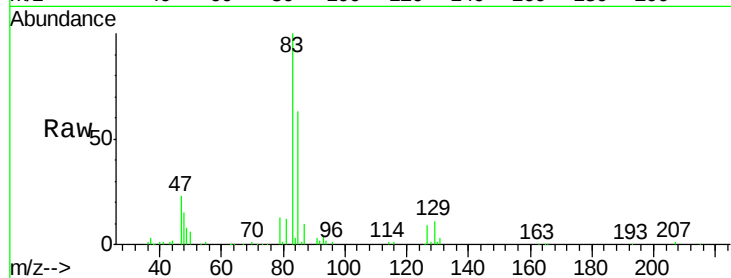
Tot Ion: 83 Resp: 111986

Ion Ratio Lower Upper

83 100

85 63.5 50.2 75.2

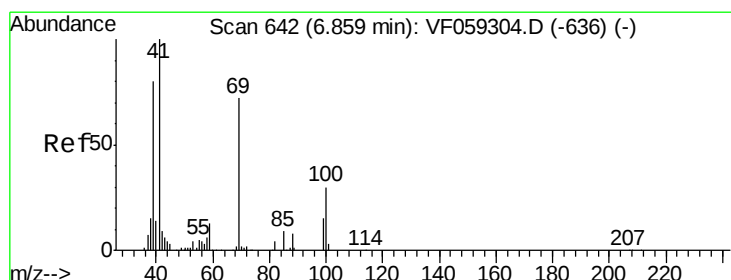
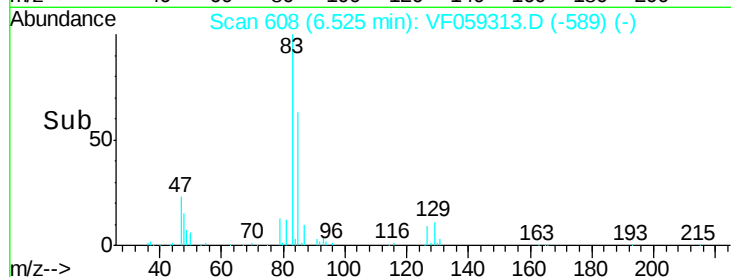
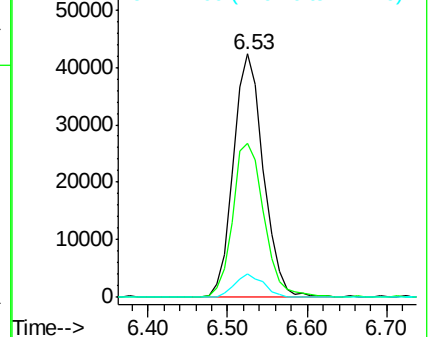
127 9.5 7.0 10.4



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: 19.851 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

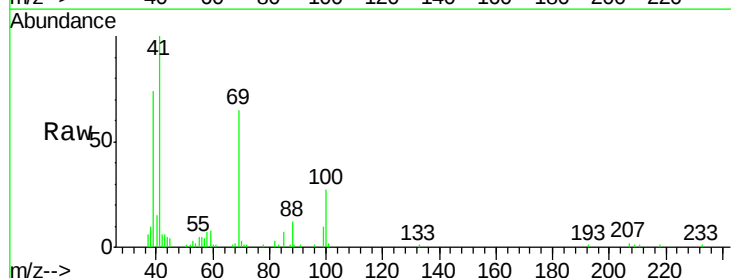
Tgt Ion: 41 Resp: 45003

Ion Ratio Lower Upper

41 100

69 64.9 57.3 85.9

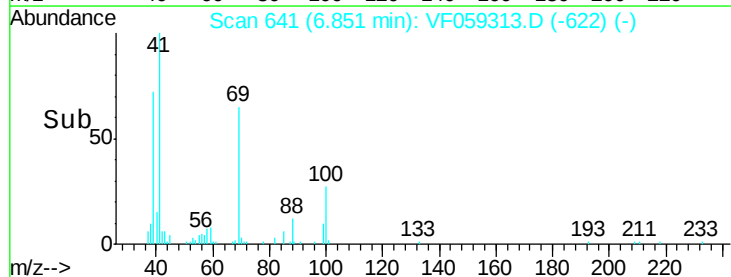
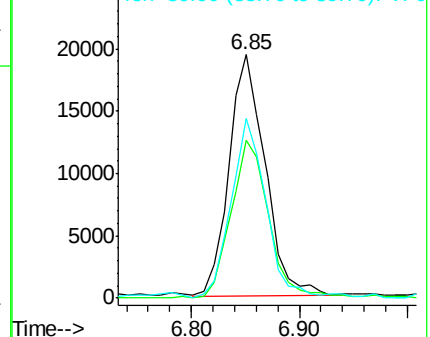
39 73.7 64.4 96.6

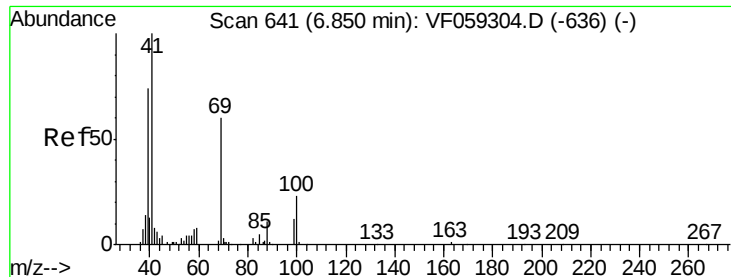


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 457.587 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

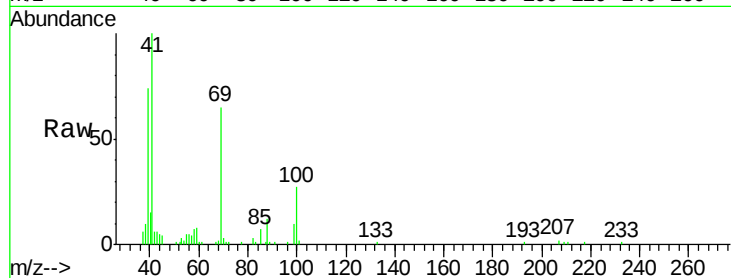
Tot Ion: 88 Resp: 5814

Ion Ratio Lower Upper

88 100

43 46.9 50.6 75.8#

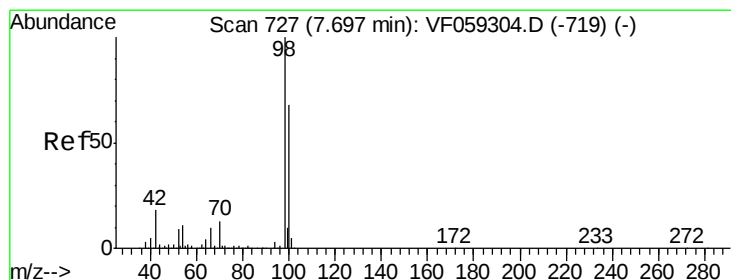
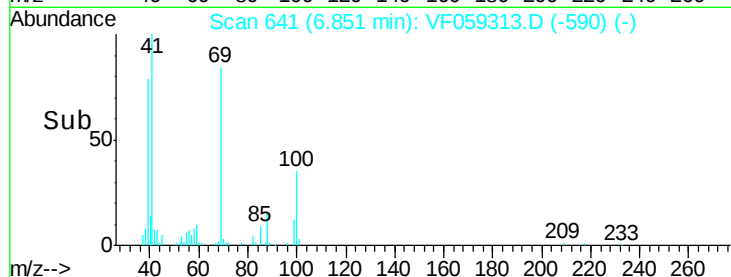
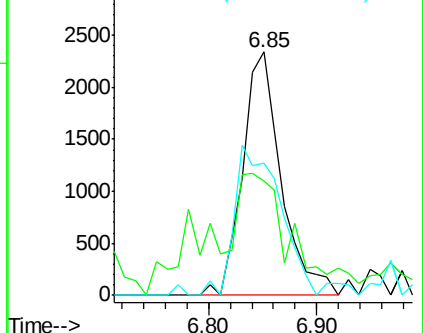
58 54.4 46.6 69.8



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: 49.345 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059313.D

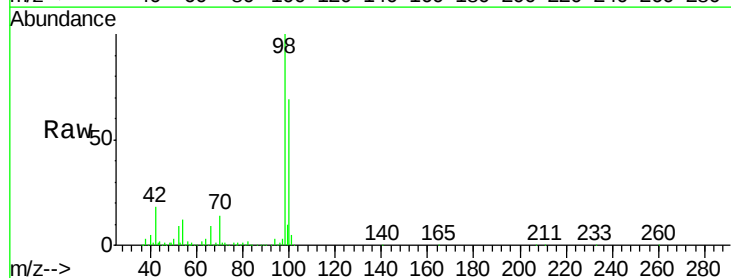
Acq: 26 Jun 2018 13:27

Tgt Ion: 98 Resp: 414963

Ion Ratio Lower Upper

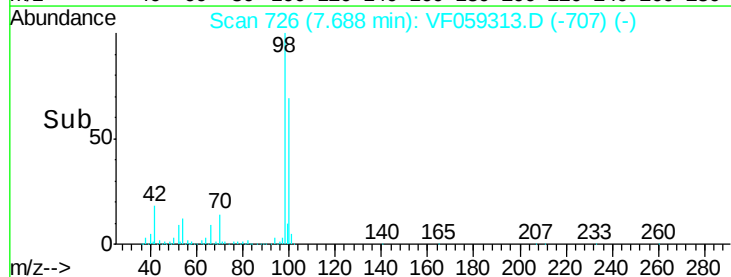
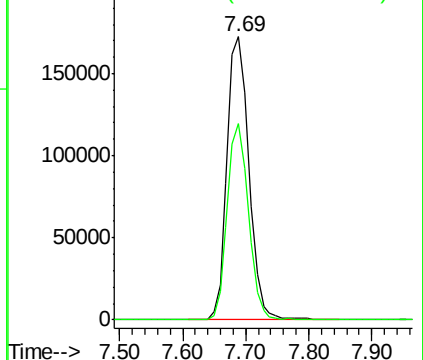
98 100

100 69.3 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: 100.365 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

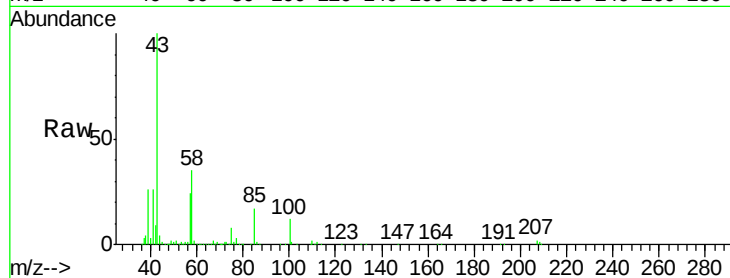
VF0626SBSD01

Tot Ion: 43 Resp: 251505

Ion Ratio Lower Upper

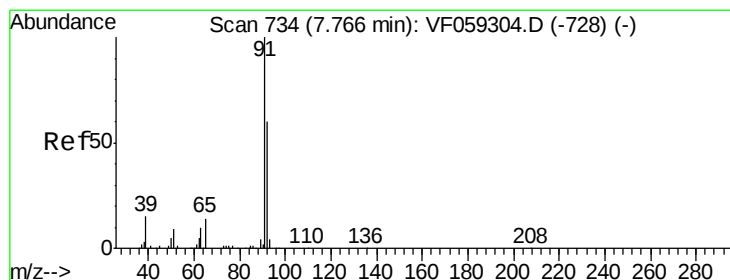
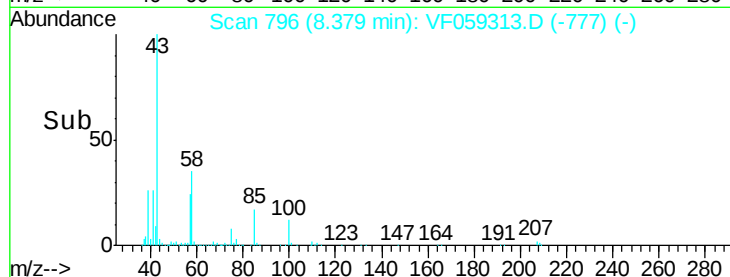
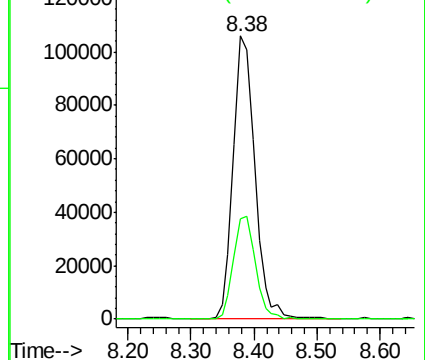
43 100

58 35.4 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: 19.676 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059313.D

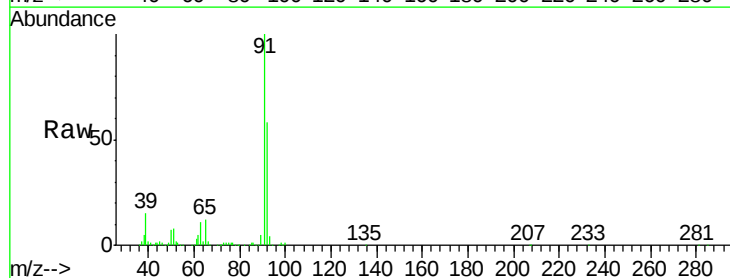
Acq: 26 Jun 2018 13:27

Tgt Ion: 92 Resp: 132563

Ion Ratio Lower Upper

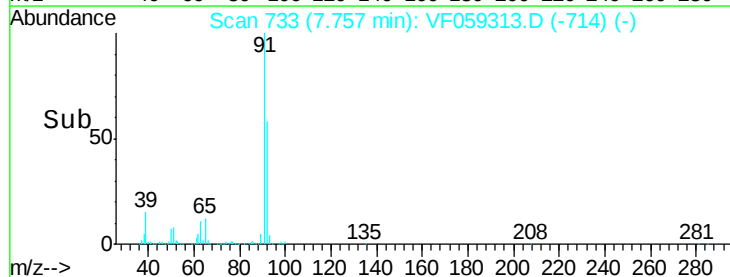
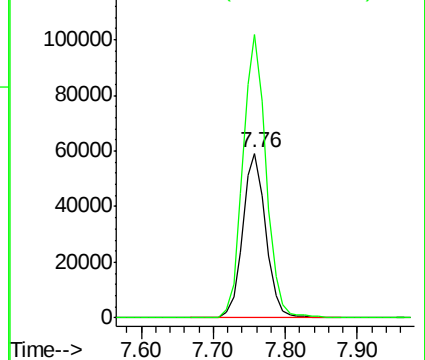
92 100

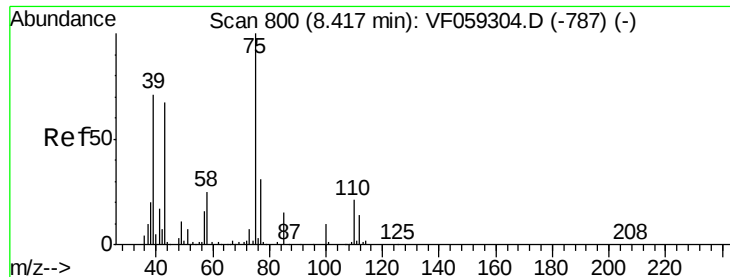
91 172.2 132.8 199.2



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: 21.765 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

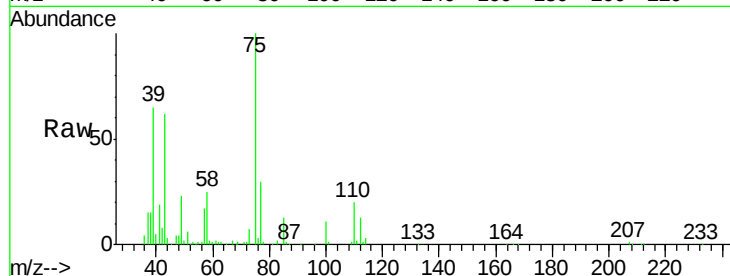
VF0626SBS01

Tot Ion: 75 Resp: 107226

Ion Ratio Lower Upper

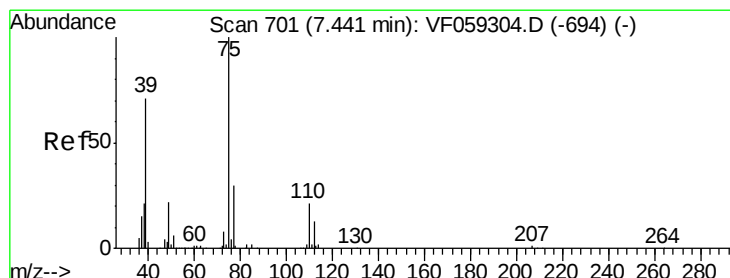
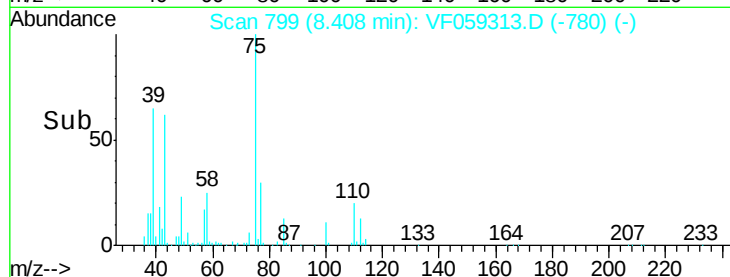
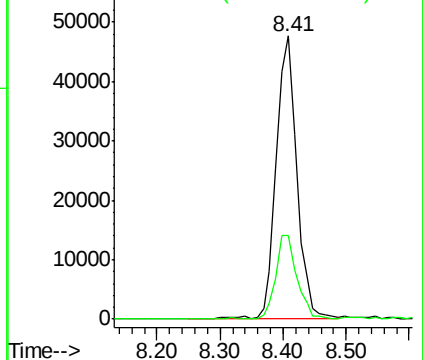
75 100

77 29.8 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: 21.130 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

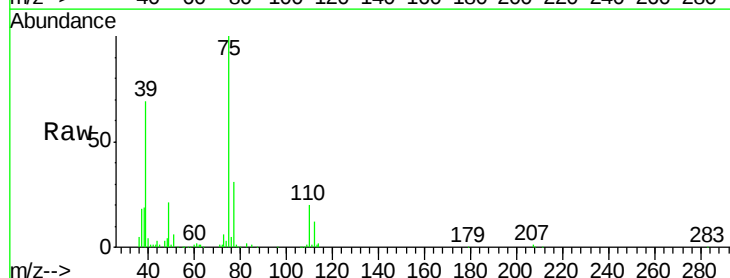
Tgt Ion: 75 Resp: 113070

Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

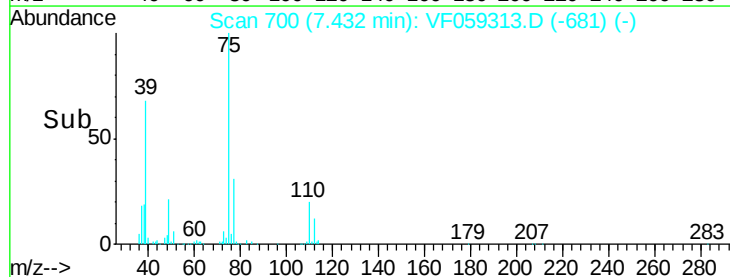
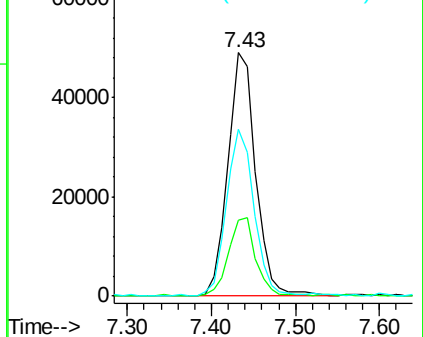
39 68.7 57.2 85.8

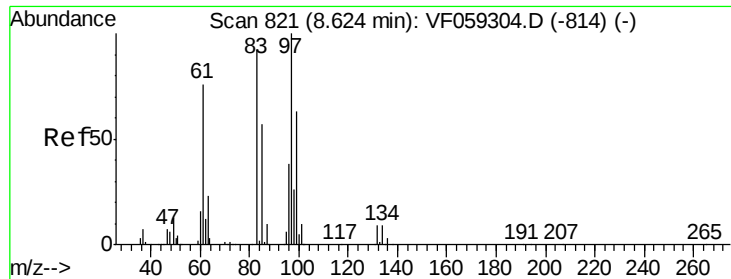


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.247 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

Tot Ion: 97 Resp: 50347

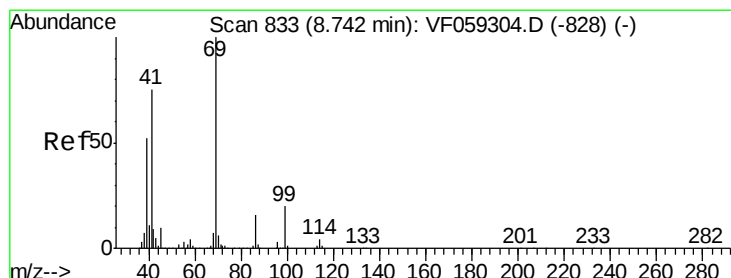
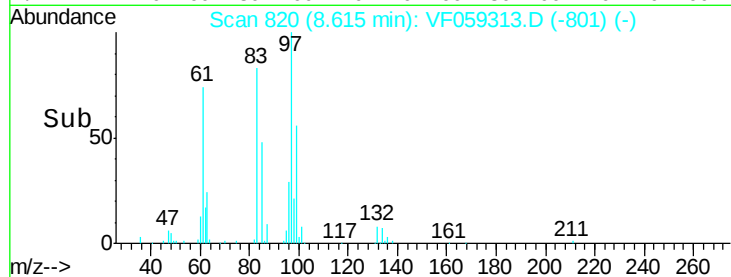
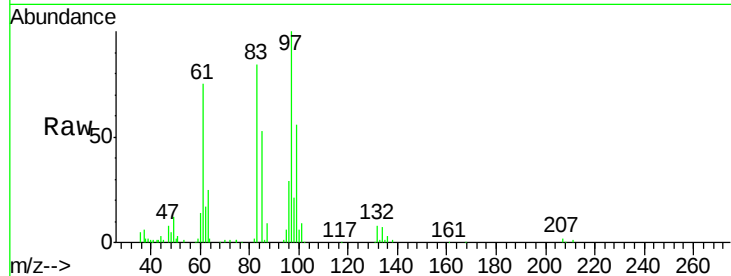
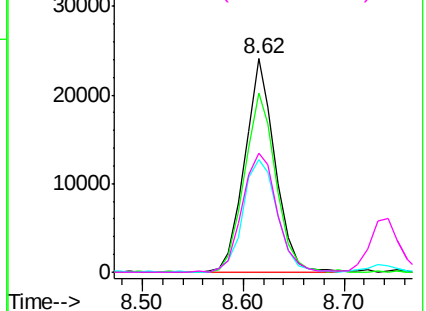
Ion	Ratio	Lower	Upper
97	100		
83	83.7	73.8	110.8
85	52.7	45.5	68.3
99	55.6	50.7	76.1

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.457 ug/l

RT: 8.73 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

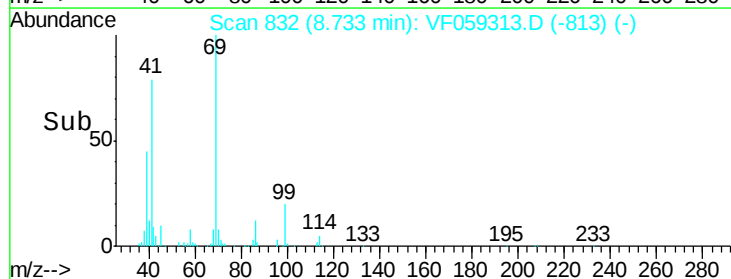
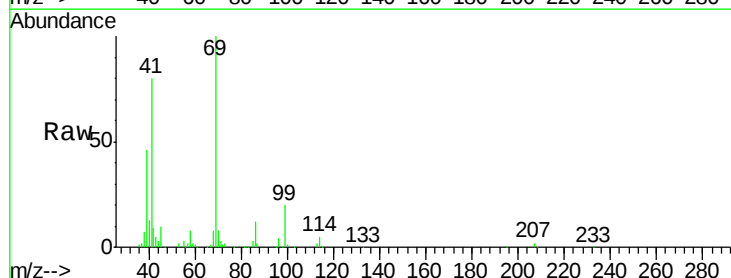
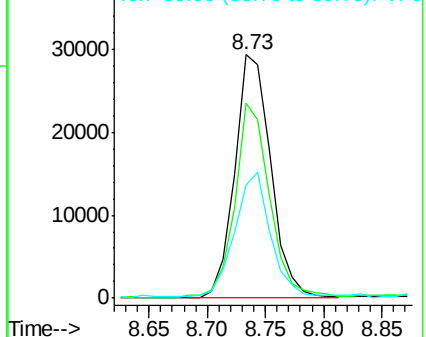
Tgt Ion: 69 Resp: 63048

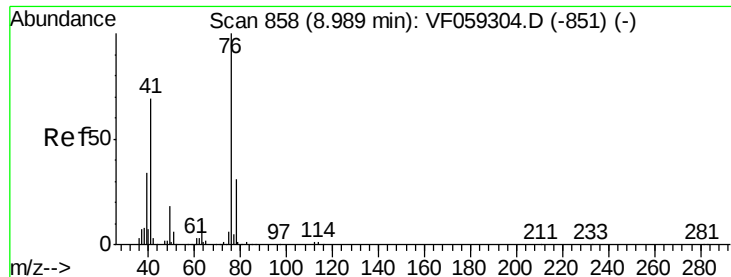
Ion	Ratio	Lower	Upper
69	100		
41	79.9	60.3	90.5
39	46.3	42.2	63.4

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: 20.571 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

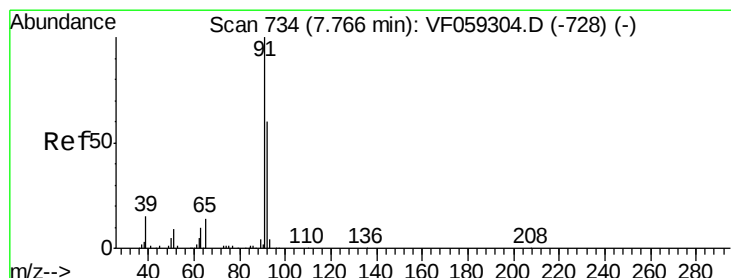
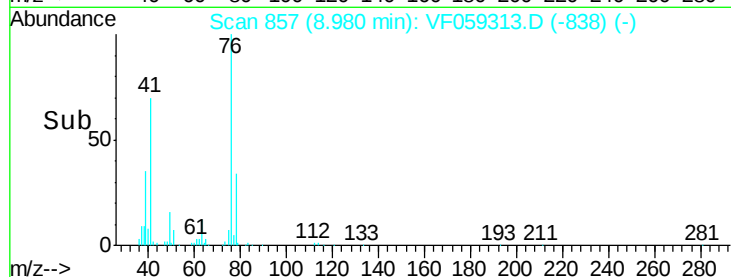
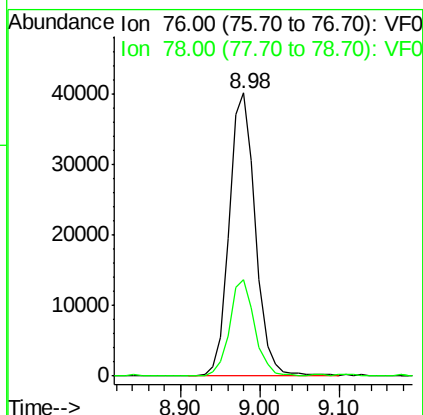
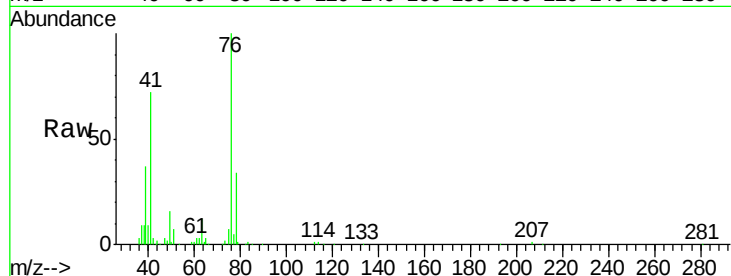
VF0626SBSD01

Tot Ion: 76 Resp: 92287

Ion Ratio Lower Upper

76 100

78 34.2 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 101.930 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059313.D

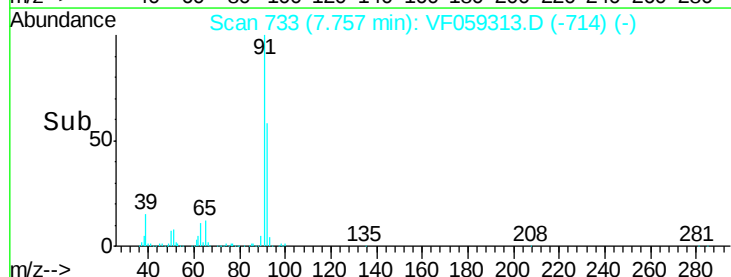
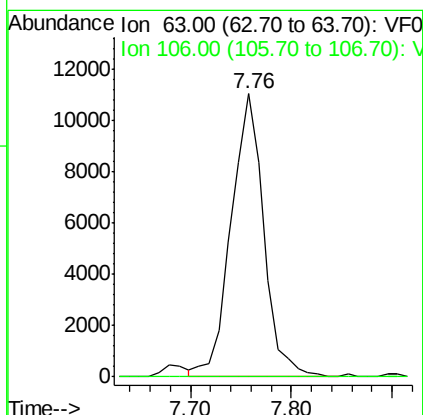
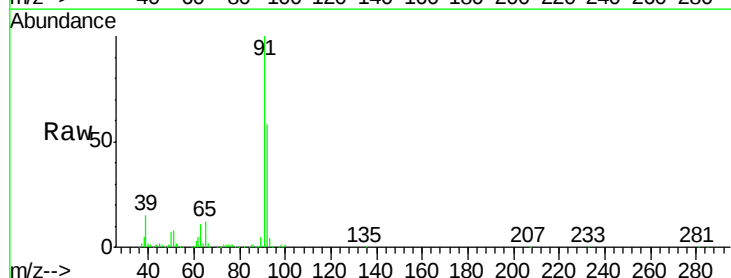
Acq: 26 Jun 2018 13:27

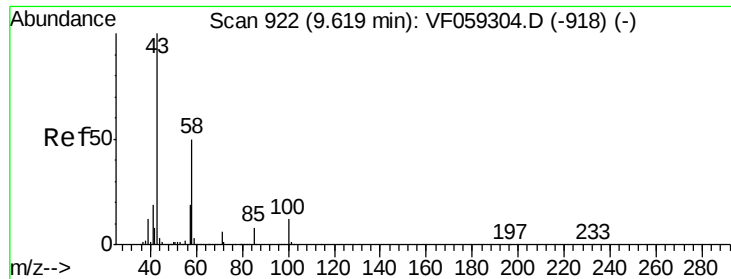
Tgt Ion: 63 Resp: 24772

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

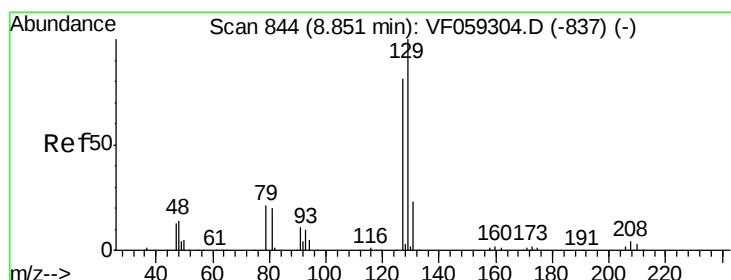
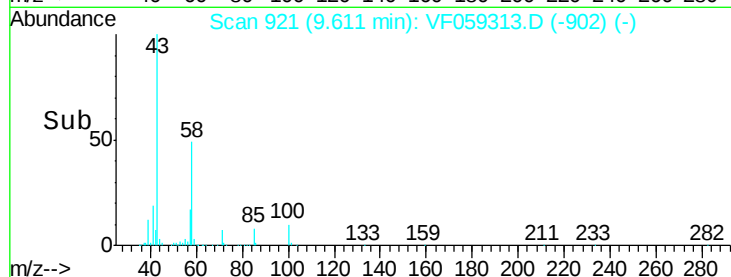
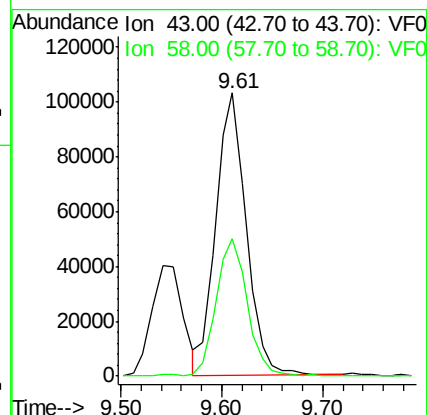
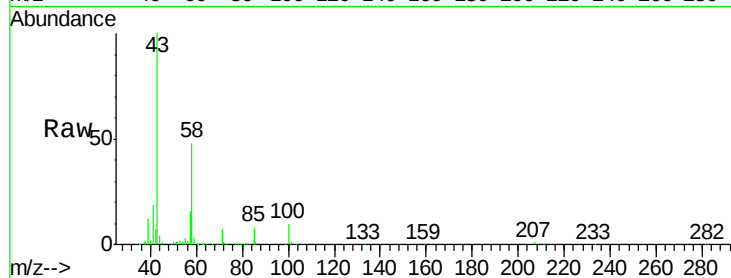




#59
2-Hexanone
Concen: 104.642 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

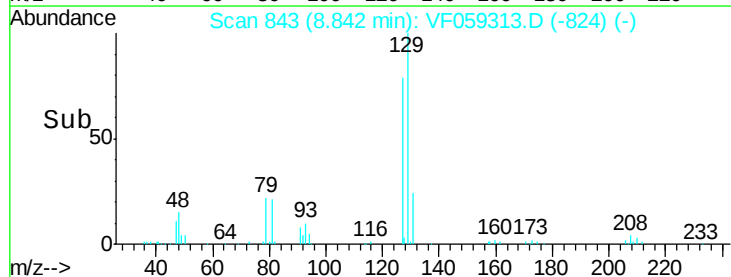
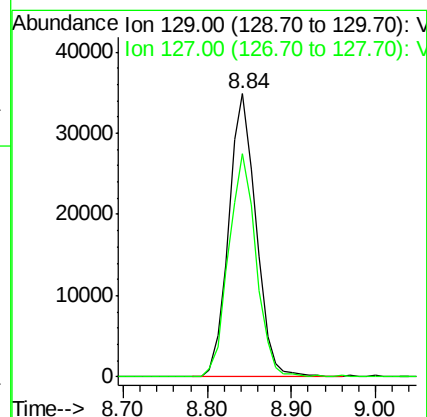
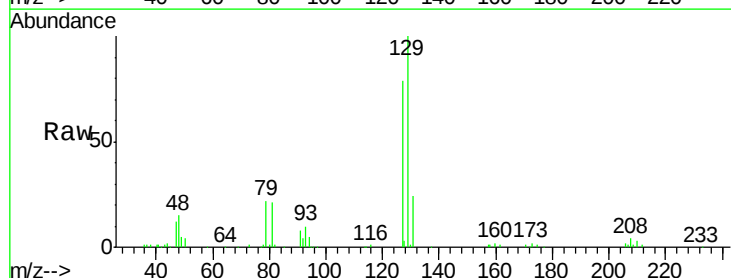
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

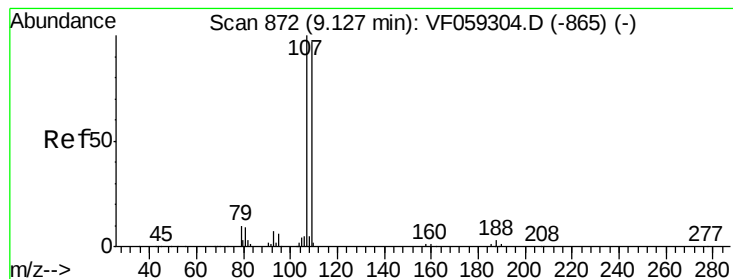
Tot Ion: 43 Resp: 215494
Ion Ratio Lower Upper
43 100
58 48.4 23.3 69.9



#60
Dibromochloromethane
Concen: 19.487 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion: 129 Resp: 78696
Ion Ratio Lower Upper
129 100
127 78.6 40.7 122.1





#61

1,2-Dibromoethane

Concen: 19.261 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

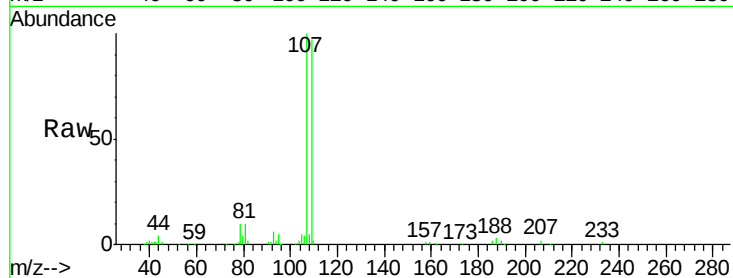
VF0626SBSD01

Tot Ion:107 Resp: 61103

Ion Ratio Lower Upper

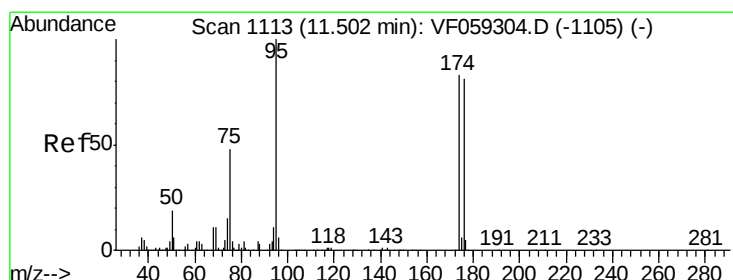
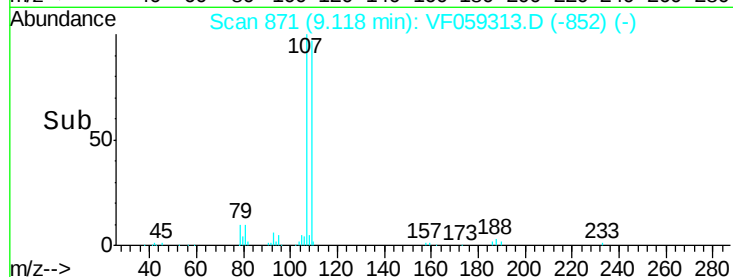
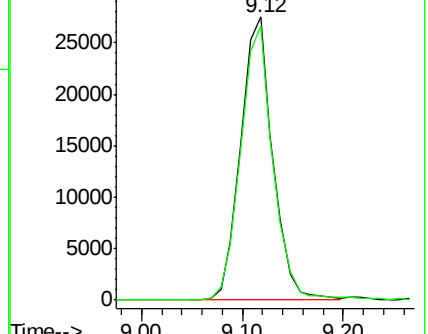
107 100

109 96.8 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: 48.495 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

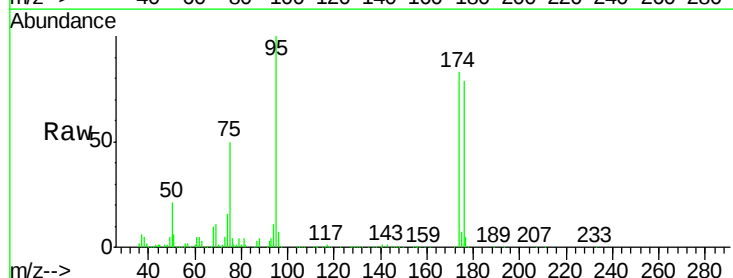
Tgt Ion: 95 Resp: 230041

Ion Ratio Lower Upper

95 100

174 82.9 0.0 165.2

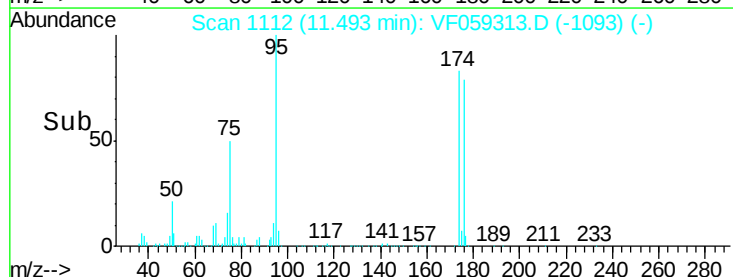
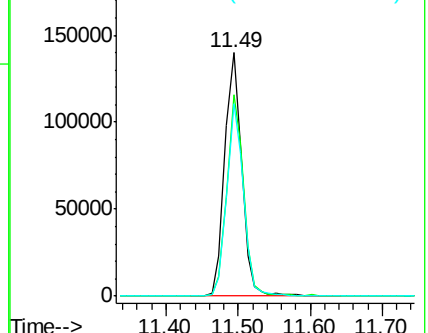
176 78.8 0.0 161.0

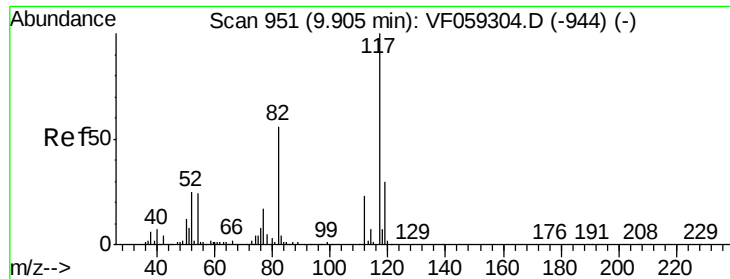


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

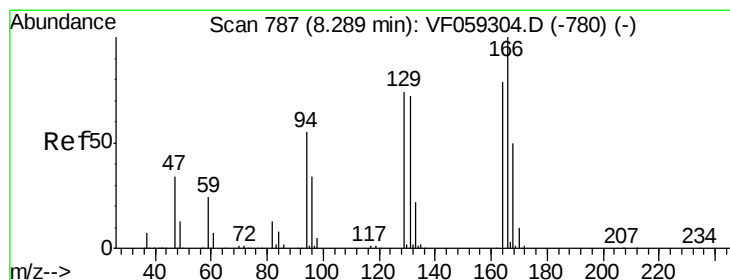
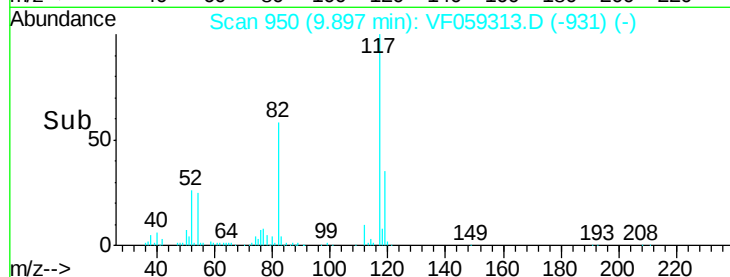
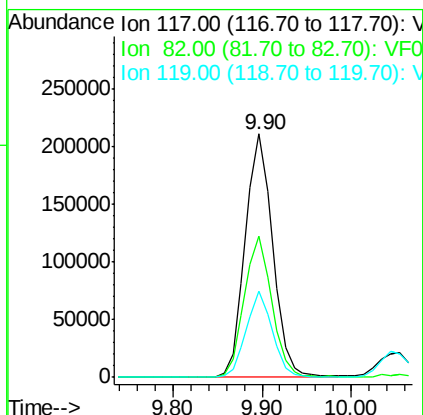
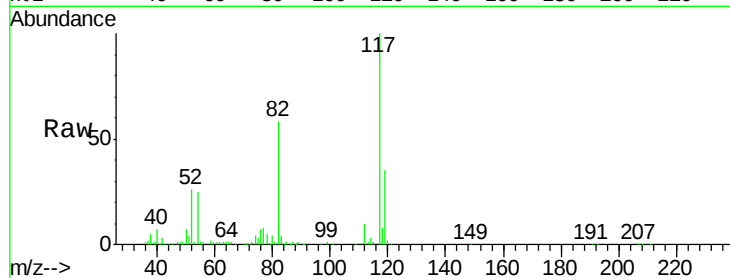




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

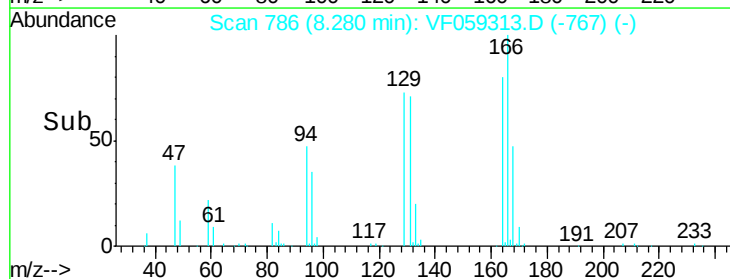
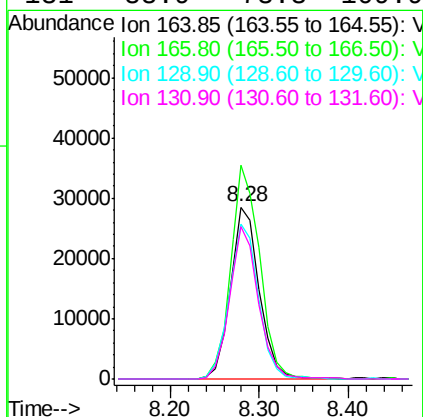
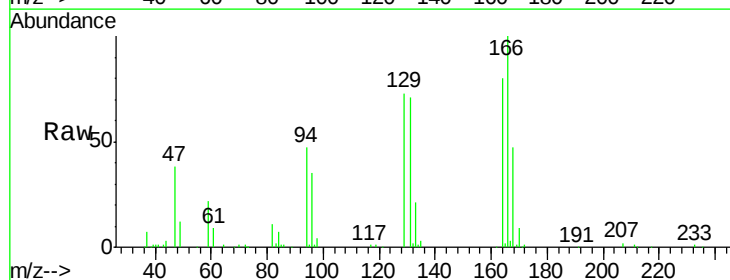
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

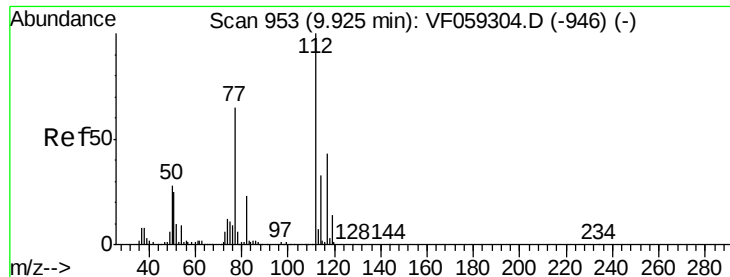
Tot Ion:117 Resp: 451040
Ion Ratio Lower Upper
117 100
82 58.0 44.6 66.8
119 35.2 24.1 36.1



#64
Tetrachloroethene
Concen: 22.108 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion:164 Resp: 64675
Ion Ratio Lower Upper
164 100
166 124.4 101.1 151.7
129 90.3 75.0 112.4
131 88.9 73.3 109.9





#65

Chlorobenzene

Concen: 21.264 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

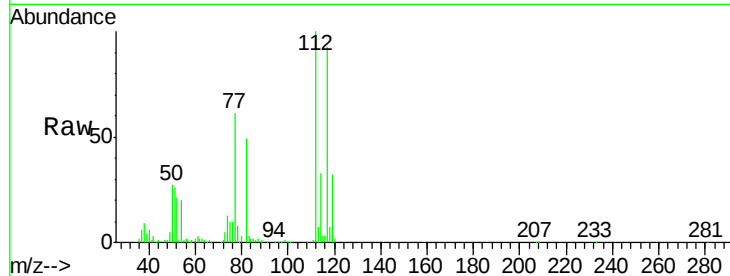
VF0626SBSD01

Tot Ion:112 Resp: 177720

Ion Ratio Lower Upper

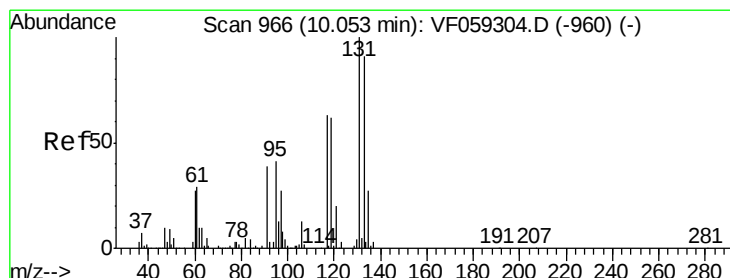
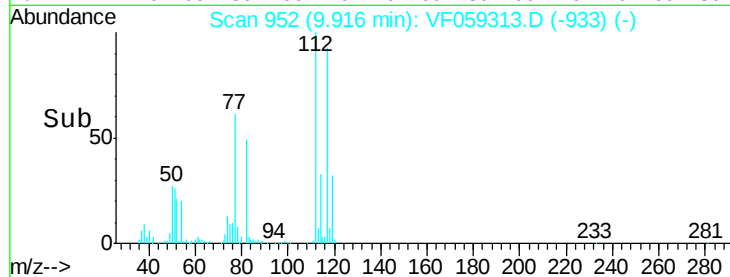
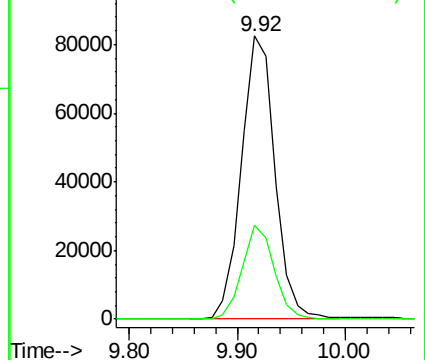
112 100

114 33.0 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: 20.611 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

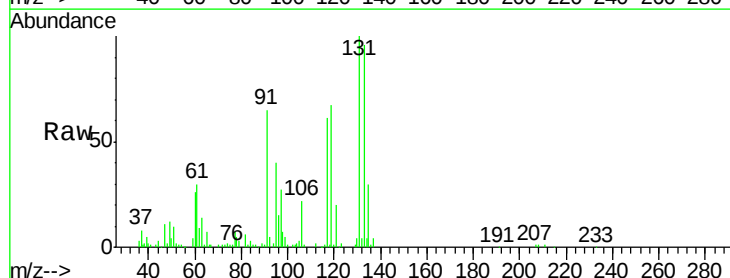
Tgt Ion:131 Resp: 74504

Ion Ratio Lower Upper

131 100

133 95.9 45.3 135.9

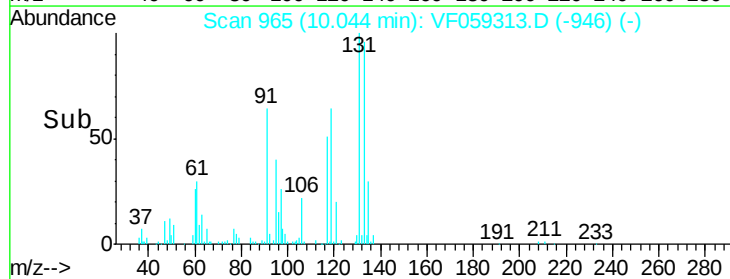
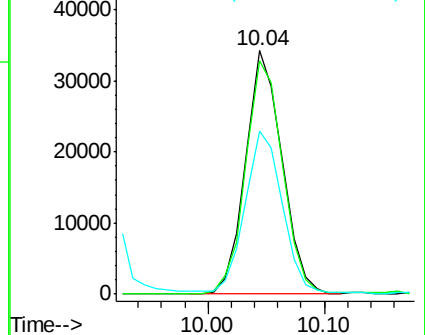
119 67.1 31.3 93.9

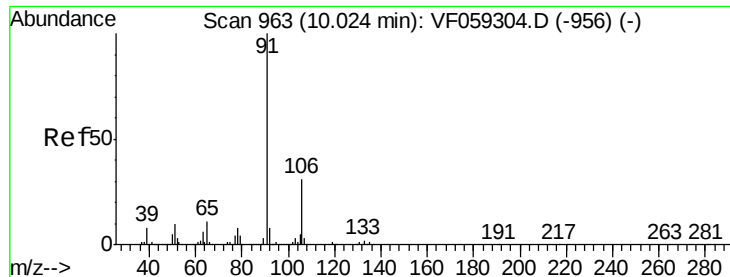


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.550 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

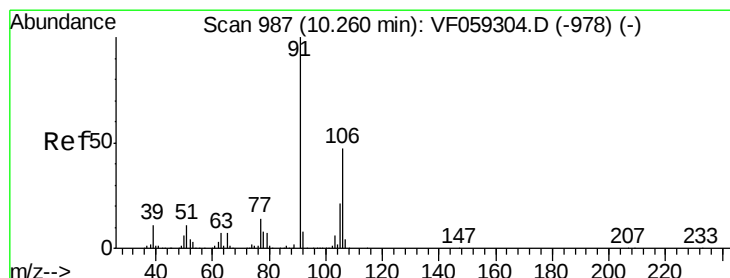
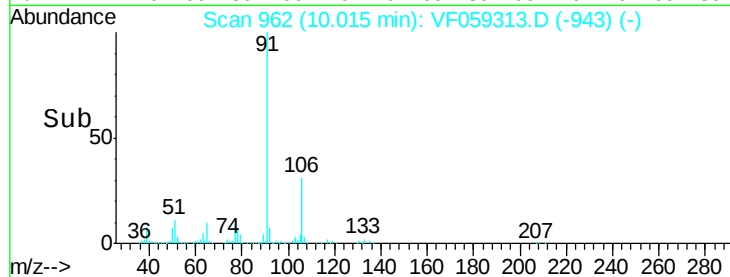
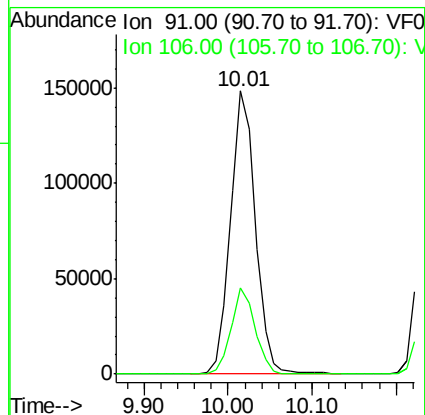
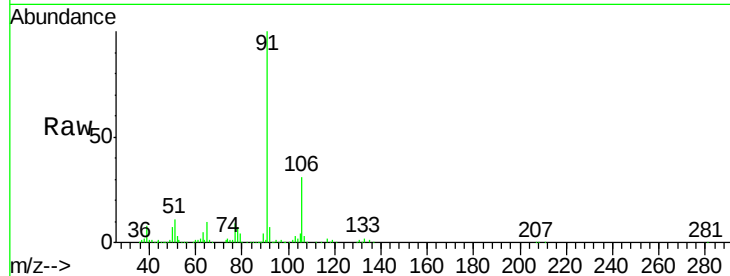
VF0626SBSD01

Tot Ion: 91 Resp: 305545

Ion Ratio Lower Upper

91 100

106 30.5 24.8 37.2



#68

m/p-Xylenes

Concen: 44.816 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059313.D

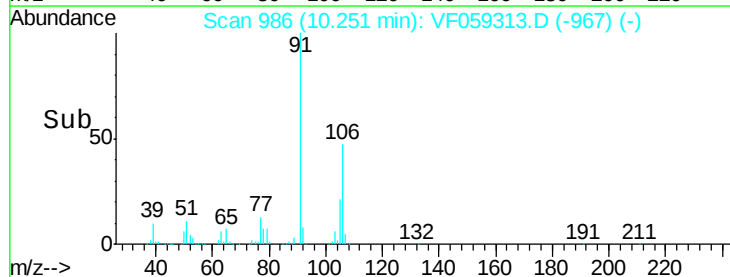
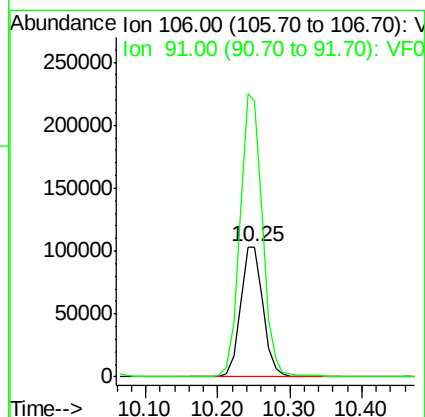
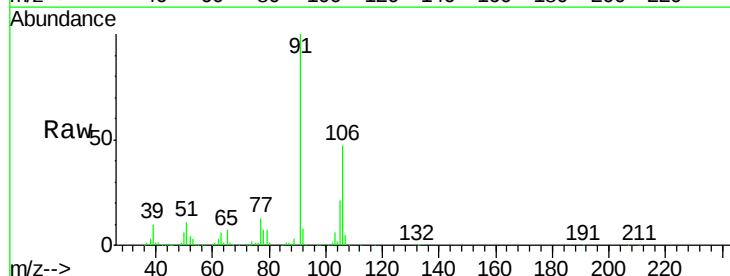
Acq: 26 Jun 2018 13:27

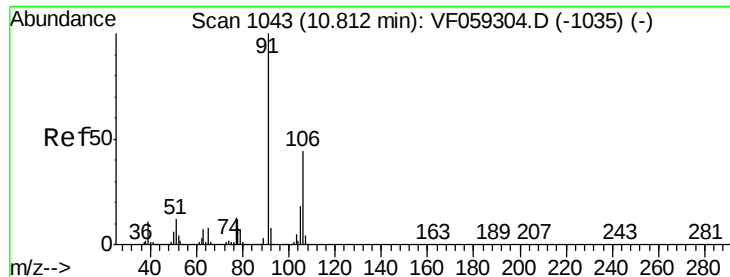
Tgt Ion:106 Resp: 226165

Ion Ratio Lower Upper

106 100

91 211.9 170.8 256.2

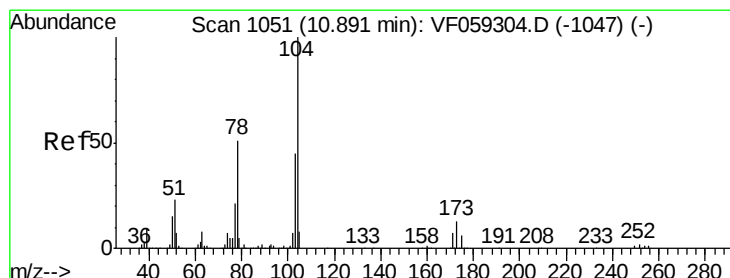
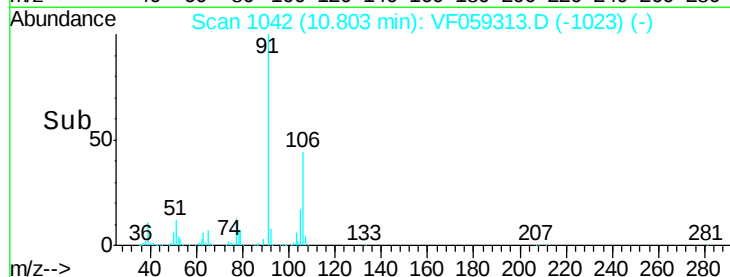
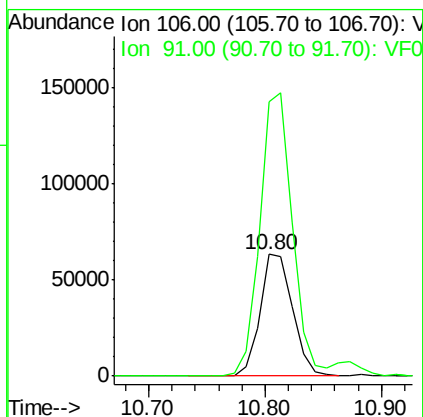
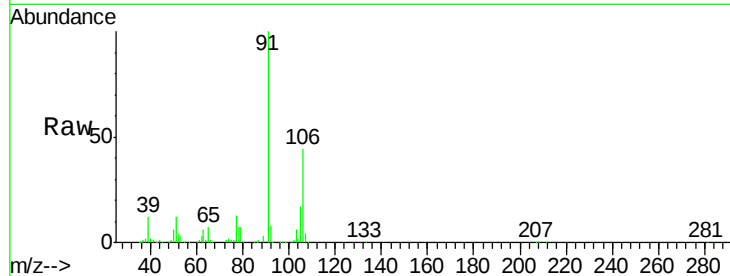




#69
o-Xylene
Concen: 21.653 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

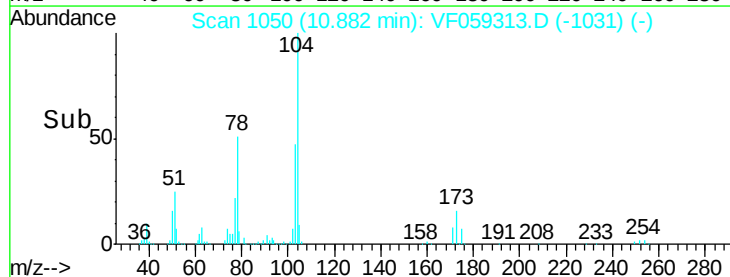
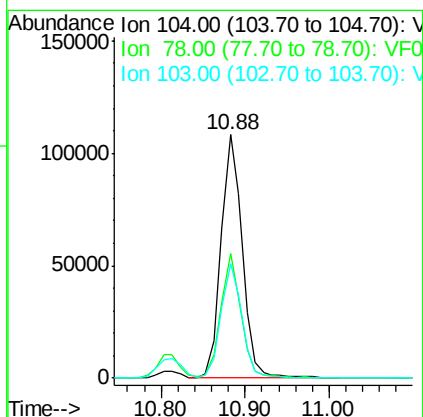
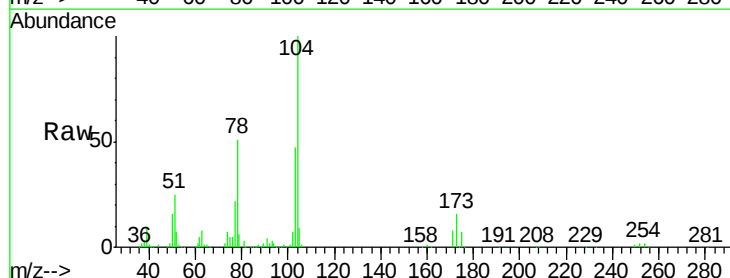
Instrument :
MSVOA_F
ClientSampleId :
VF0626SBSD01

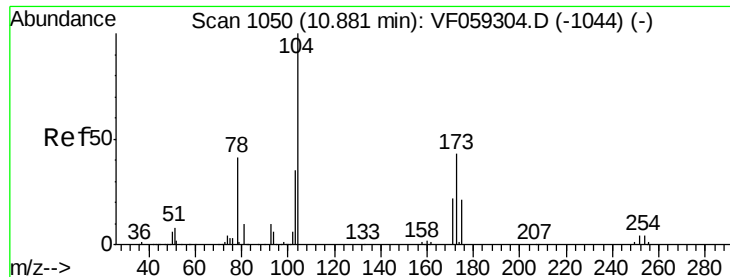
Tot Ion:106 Resp: 122223
Ion Ratio Lower Upper
106 100
91 225.9 114.6 343.6



#70
Styrene
Concen: 21.932 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion:104 Resp: 188580
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 46.8 36.5 54.7





#71

Bromoform

Concen: 20.015 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

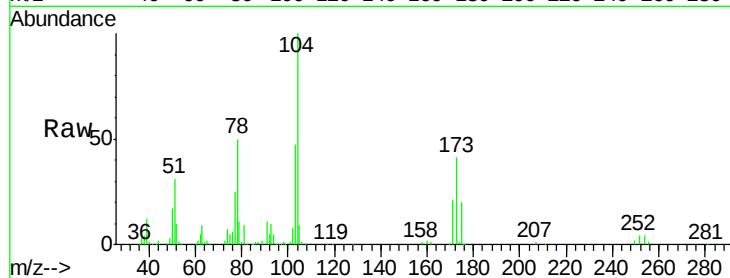
Tot Ion:173 Resp: 49589

Ion Ratio Lower Upper

173 100

175 49.8 24.8 74.3

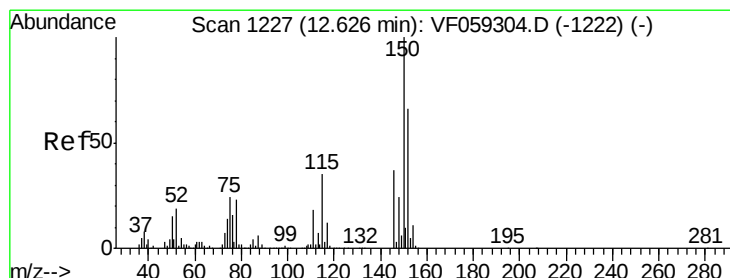
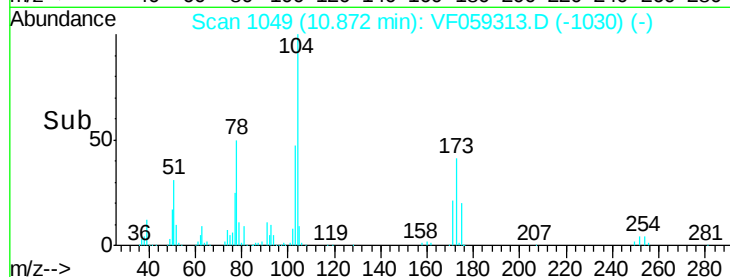
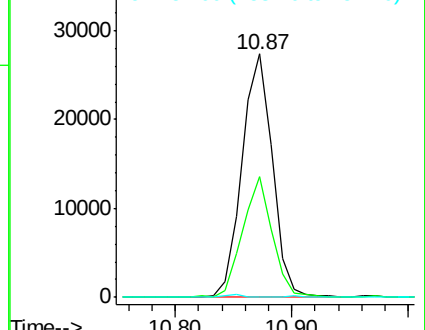
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

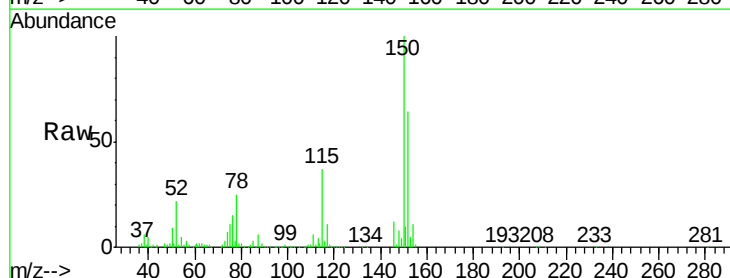
Tgt Ion:152 Resp: 281703

Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.3

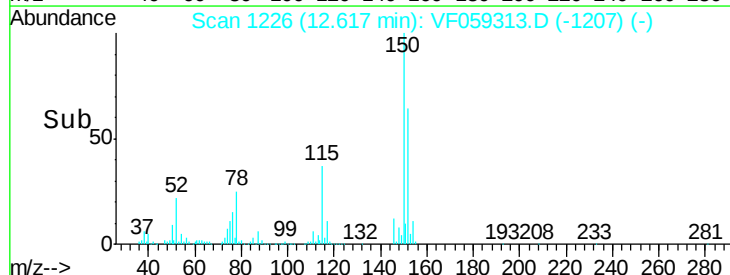
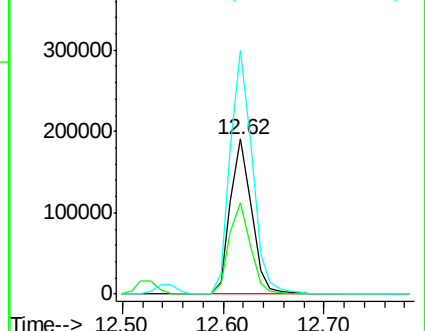
150 156.9 0.0 305.2

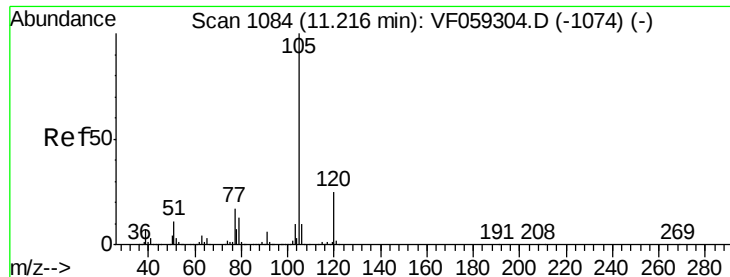


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.098 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

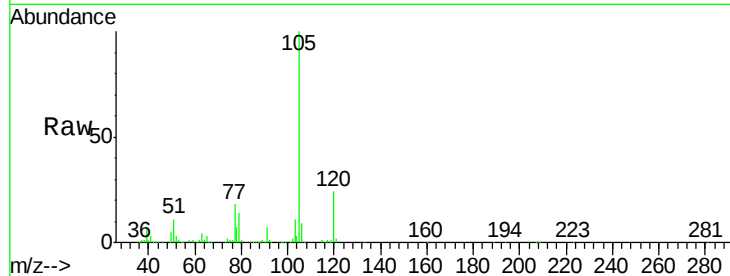
VF0626SBSD01

Tot Ion:105 Resp: 362651

Ion Ratio Lower Upper

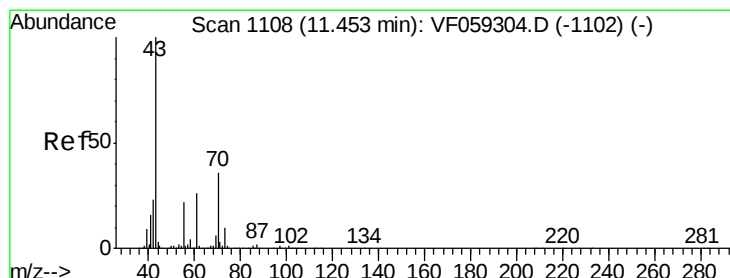
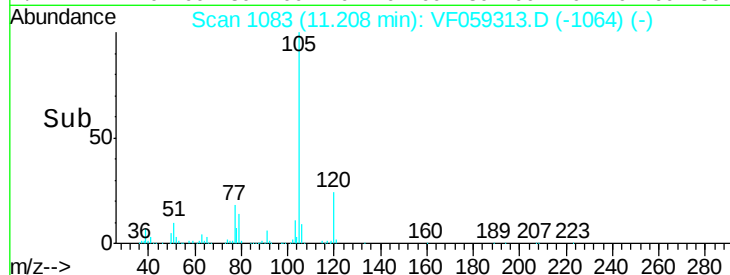
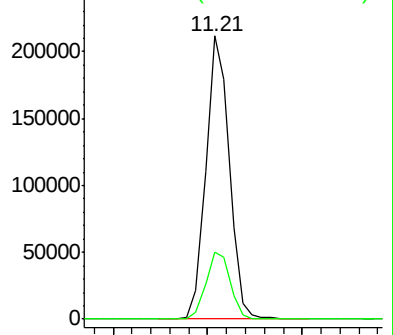
105 100

120 23.6 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.467 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Tgt Ion: 43 Resp: 121891

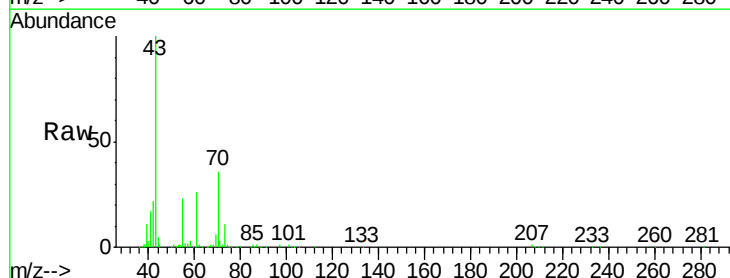
Ion Ratio Lower Upper

43 100

70 35.7 28.8 43.2

55 23.0 17.4 26.0

61 25.5 21.1 31.7

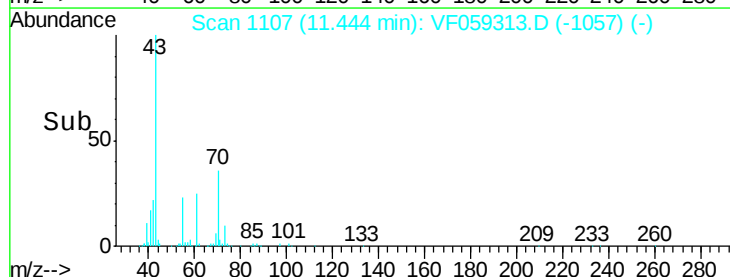
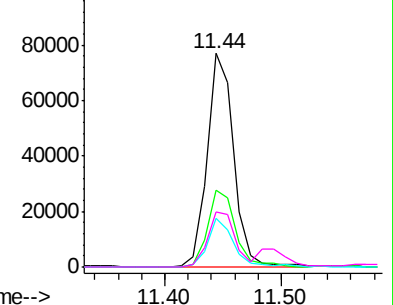


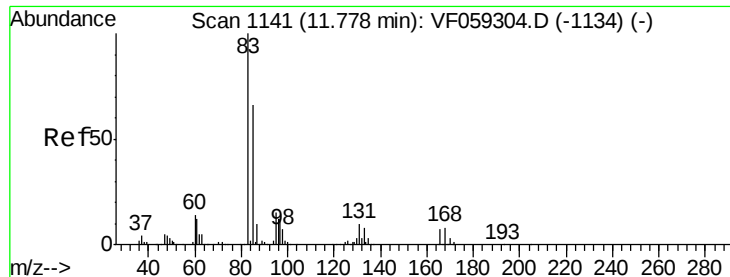
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.354 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

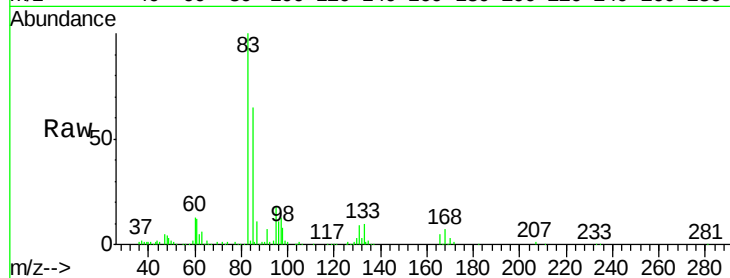
Tot Ion: 83 Resp: 84361

Ion Ratio Lower Upper

83 100

131 9.1 4.9 14.6

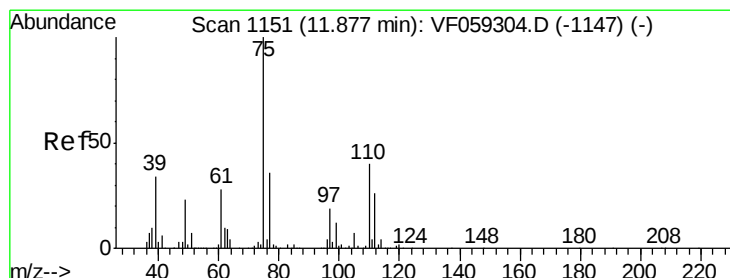
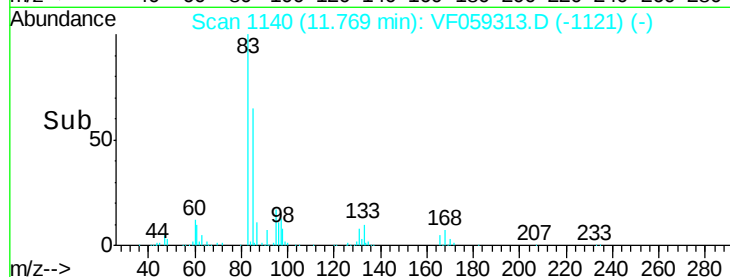
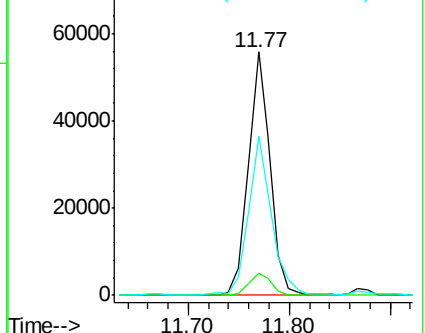
85 65.2 32.8 98.4



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: 19.929 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059313.D

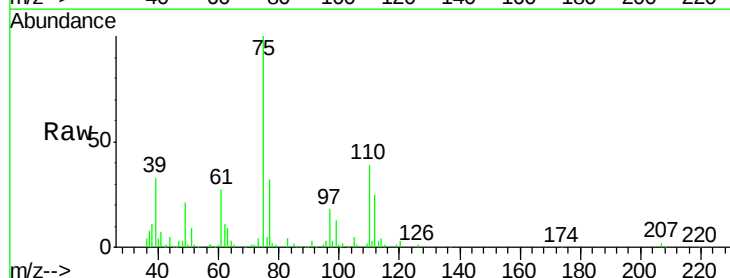
Acq: 26 Jun 2018 13:27

Tgt Ion: 75 Resp: 62307

Ion Ratio Lower Upper

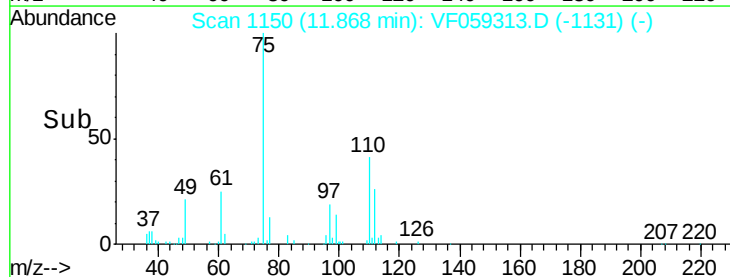
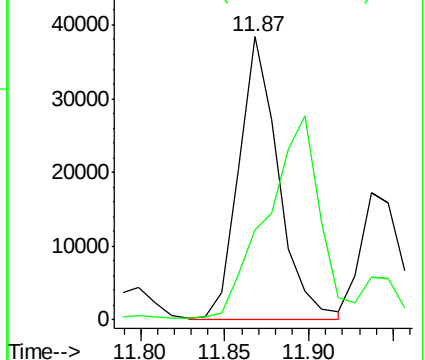
75 100

77 31.7 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: 19.942 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

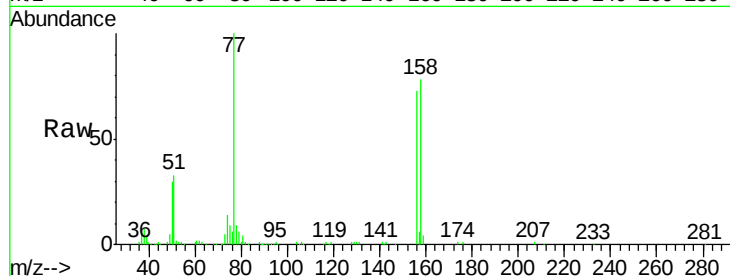
Tot Ion:156 Resp: 90801

Ion Ratio Lower Upper

156 100

77 136.6 79.7 238.9

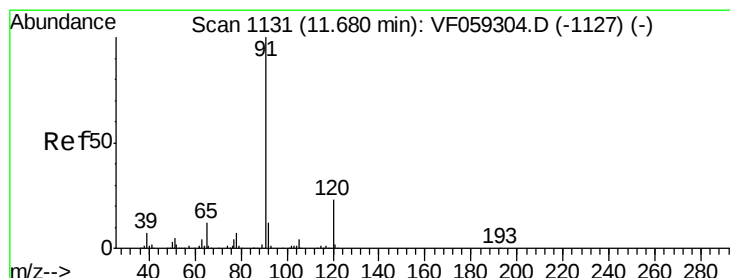
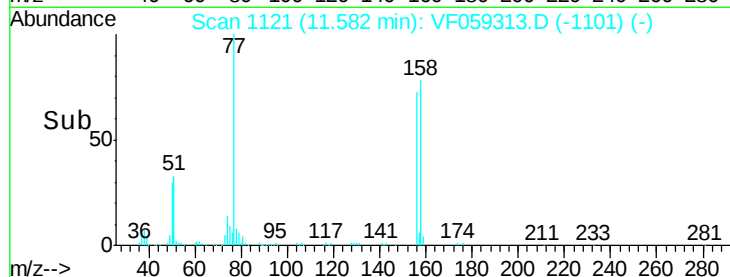
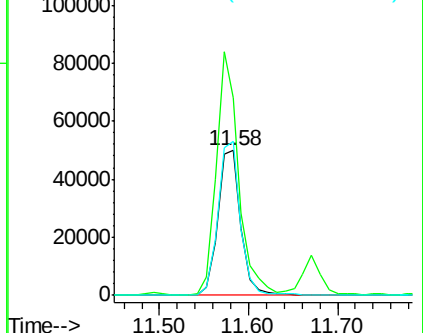
158 106.5 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.417 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059313.D

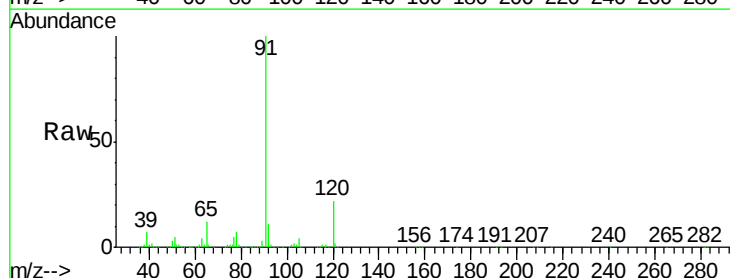
Acq: 26 Jun 2018 13:27

Tgt Ion: 91 Resp: 441832

Ion Ratio Lower Upper

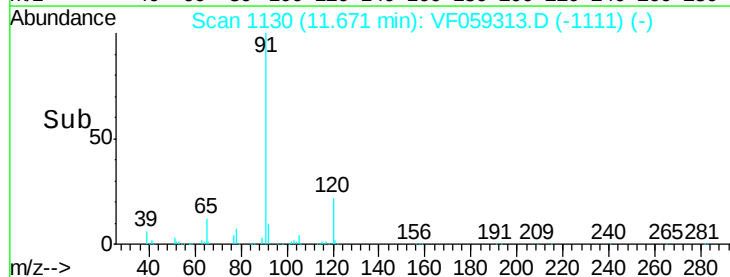
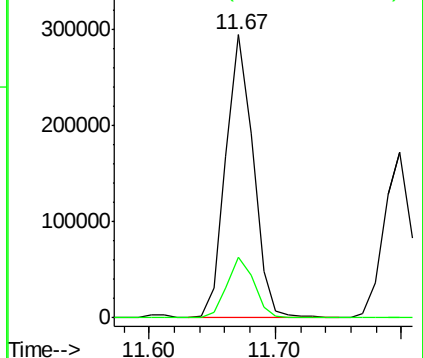
91 100

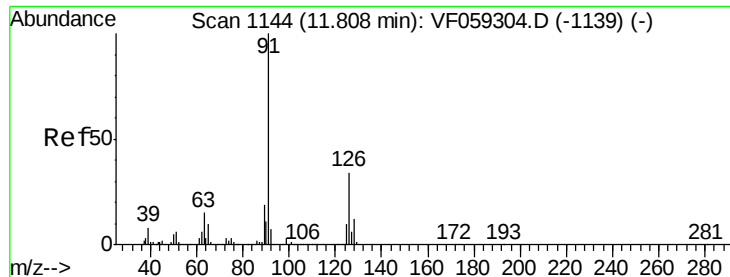
120 21.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.612 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

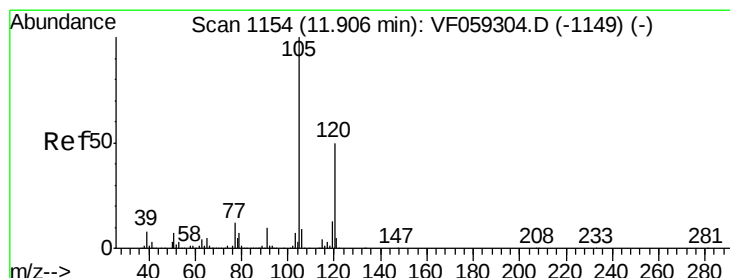
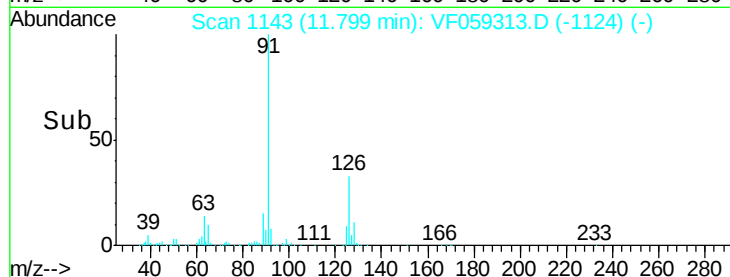
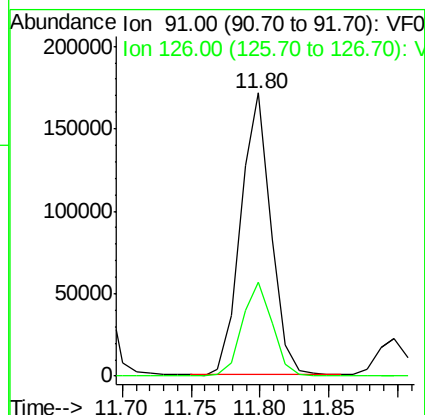
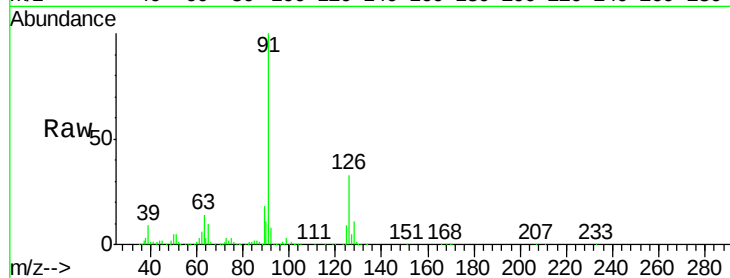
VF0626SBSD01

Tot Ion: 91 Resp: 260239

Ion Ratio Lower Upper

91 100

126 33.1 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 21.672 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059313.D

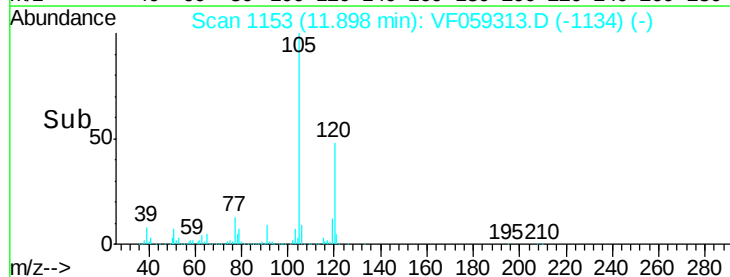
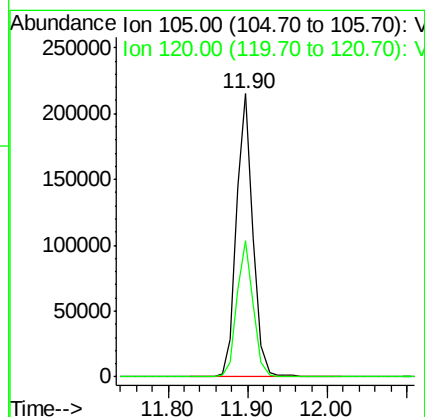
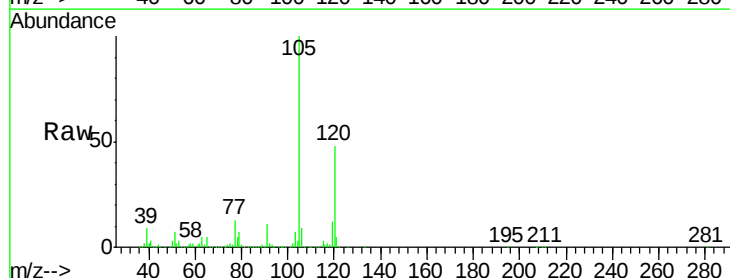
Acq: 26 Jun 2018 13:27

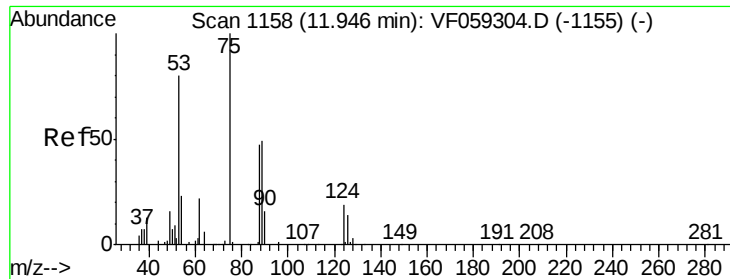
Tgt Ion:105 Resp: 311555

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.866 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

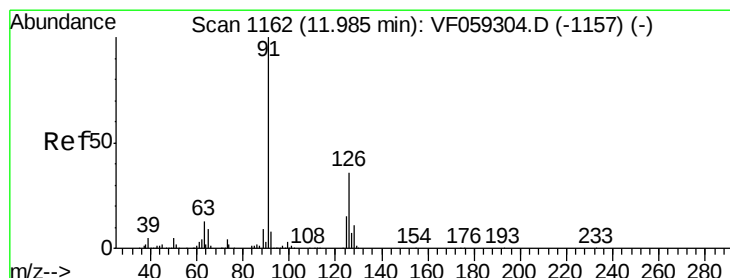
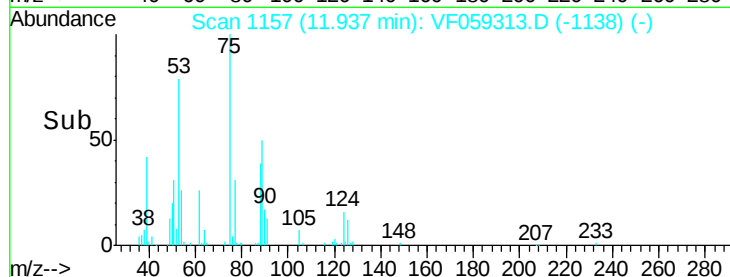
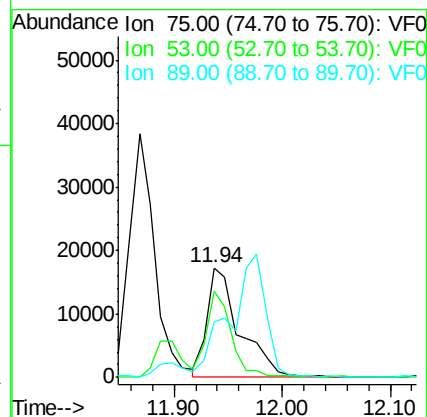
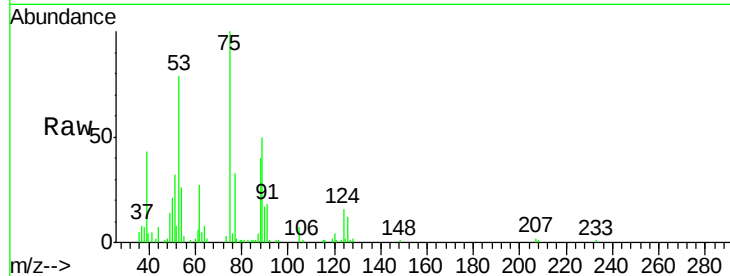
Tot Ion: 75 Resp: 36968

Ion Ratio Lower Upper

75 100

53 79.0 68.8 103.2

89 50.4 42.0 63.0



#82

4-Chlorotoluene

Concen: 21.105 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059313.D

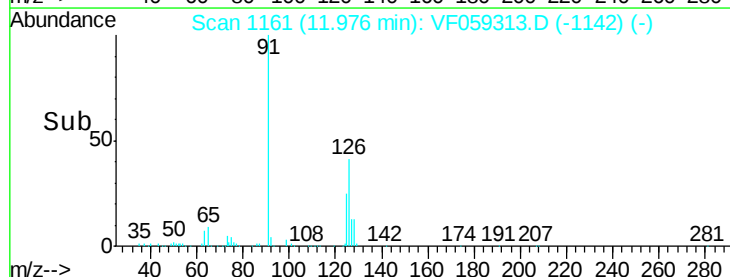
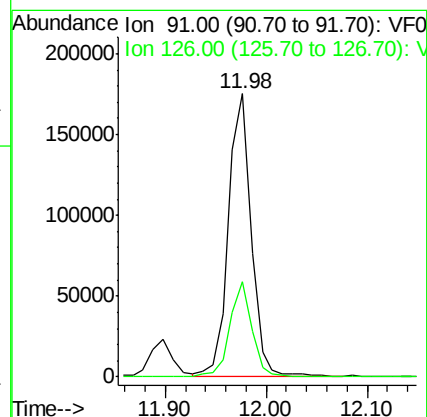
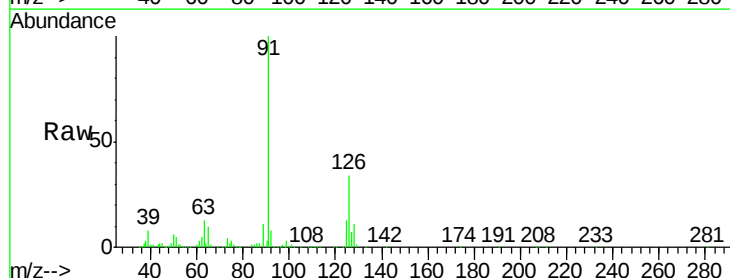
Acq: 26 Jun 2018 13:27

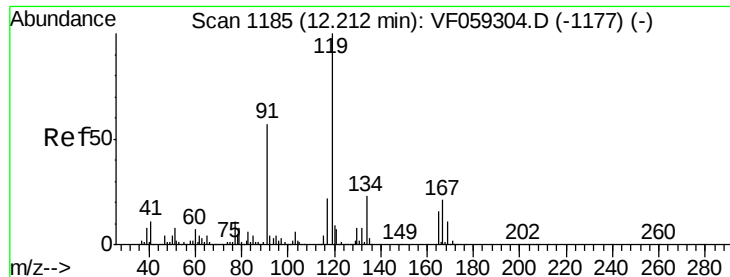
Tgt Ion: 91 Resp: 272202

Ion Ratio Lower Upper

91 100

126 33.6 18.2 54.6

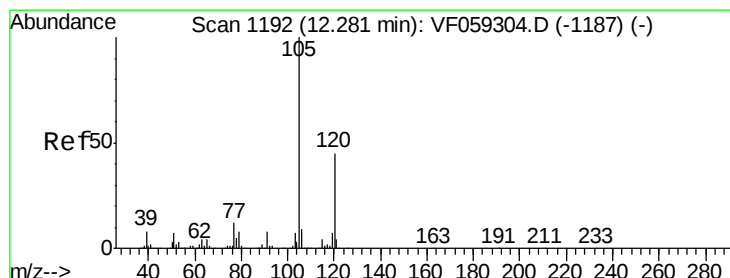
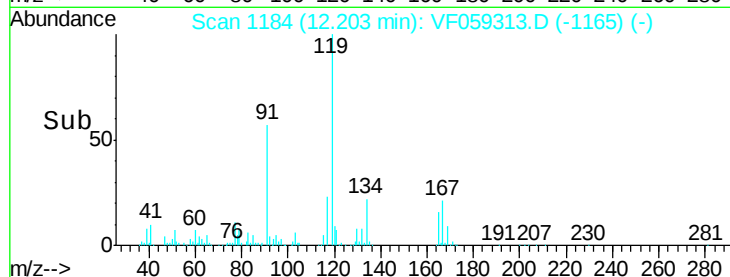
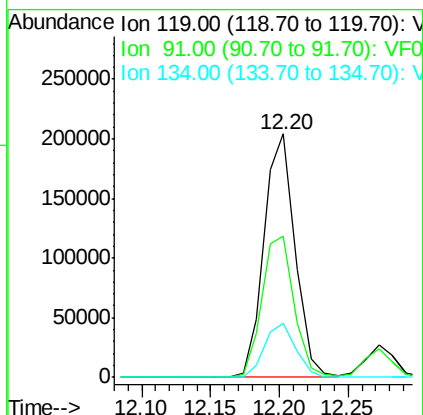
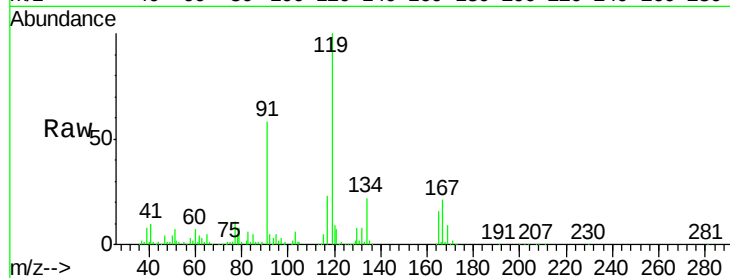




#83
 tert-Butylbenzene
 Concen: 22.342 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

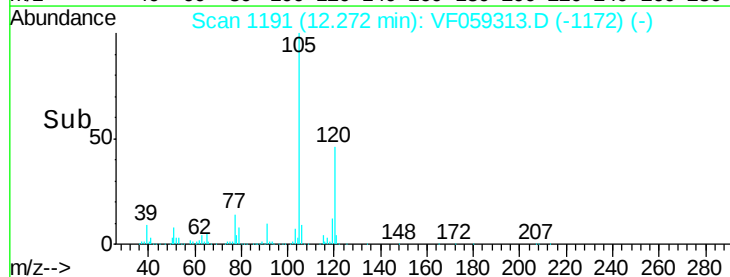
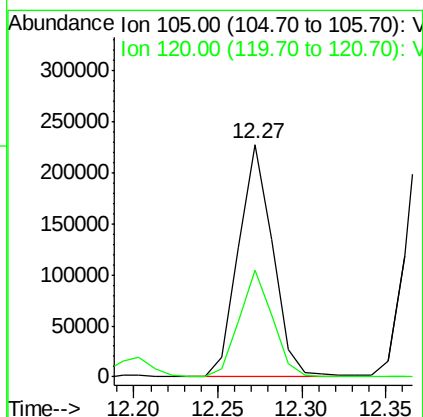
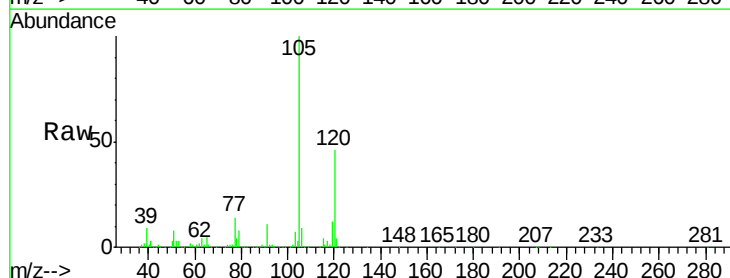
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBS01

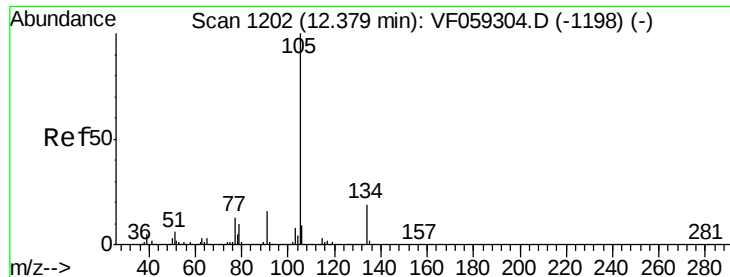
Tot Ion:119 Resp: 321239
 Ion Ratio Lower Upper
 119 100
 91 57.7 28.4 85.2
 134 22.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.207 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion:105 Resp: 321087
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.8 68.4

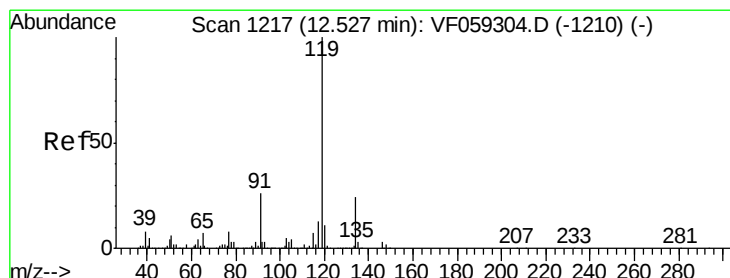
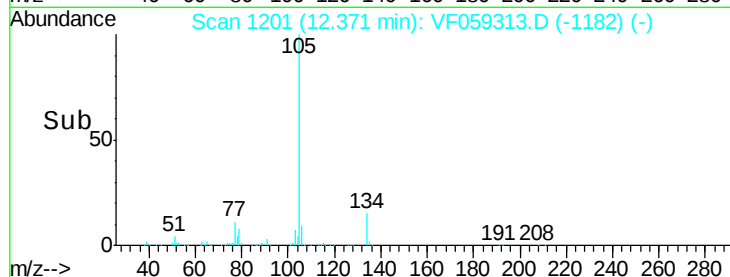
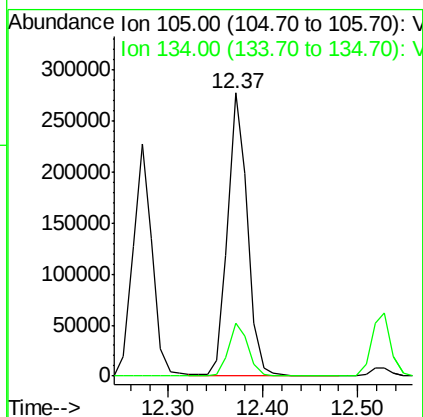
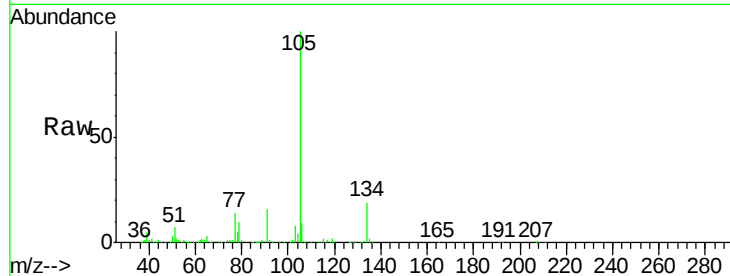




#85
 sec-Butylbenzene
 Concen: 20.977 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

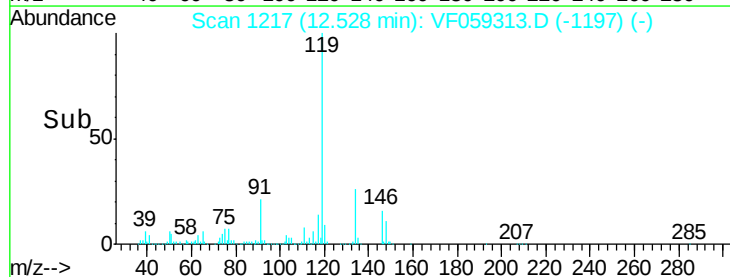
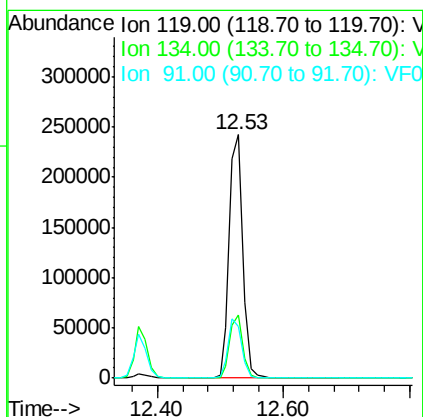
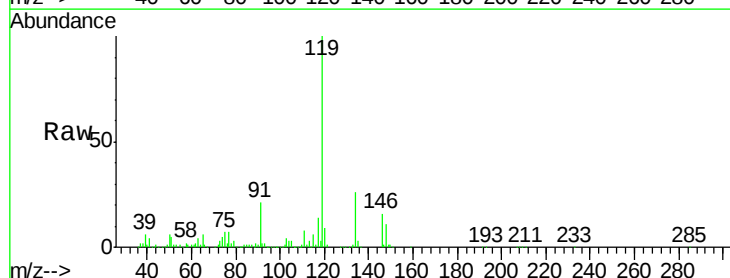
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

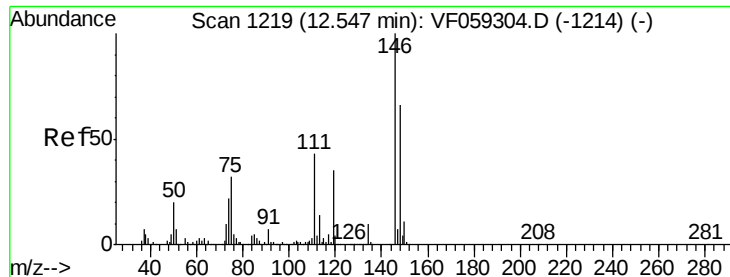
Tot Ion:105 Resp: 399788
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 22.551 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion:119 Resp: 360677
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.2 36.4
 91 21.5 12.9 38.6





#87

1,3-Dichlorobenzene

Concen: 20.735 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBS01

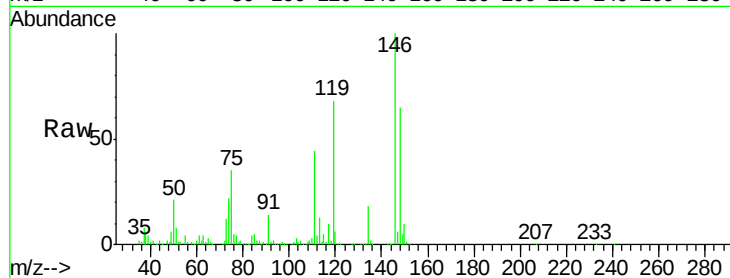
Tot Ion:146 Resp: 176115

Ion Ratio Lower Upper

146 100

111 44.0 21.4 64.2

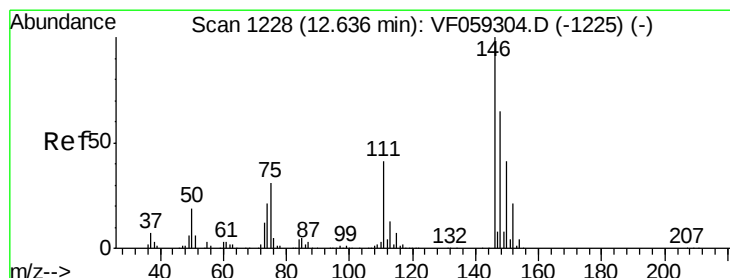
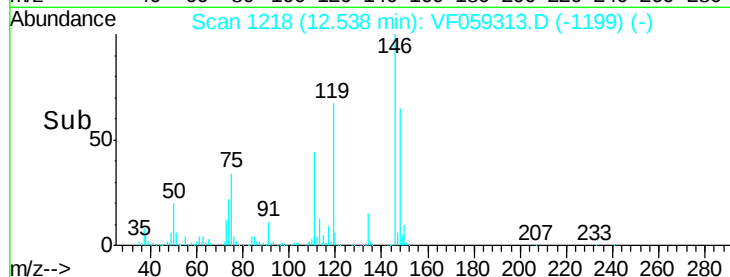
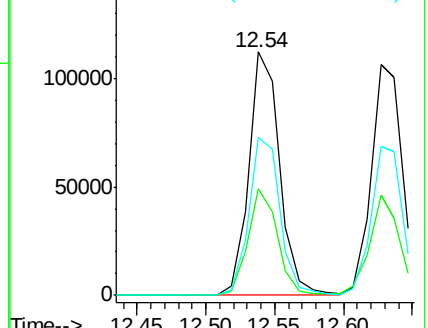
148 64.7 32.8 98.4



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



#88

1,4-Dichlorobenzene

Concen: 21.057 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

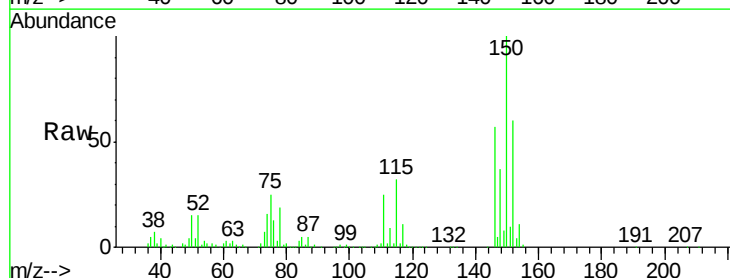
Tgt Ion:146 Resp: 171222

Ion Ratio Lower Upper

146 100

111 43.5 20.7 62.1

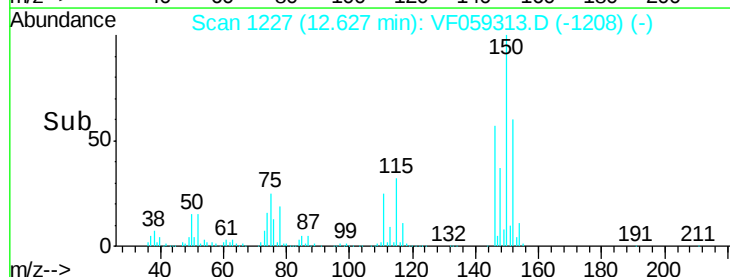
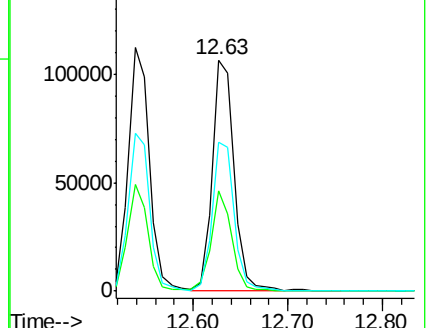
148 64.7 32.8 98.3

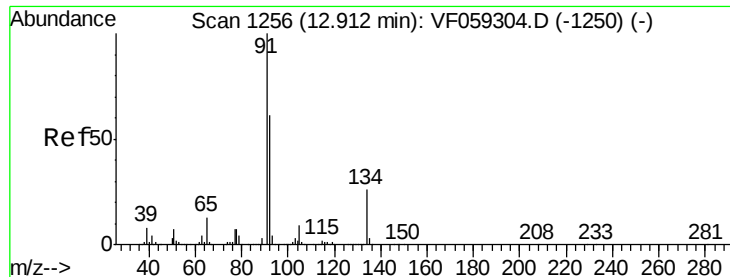


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.492 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

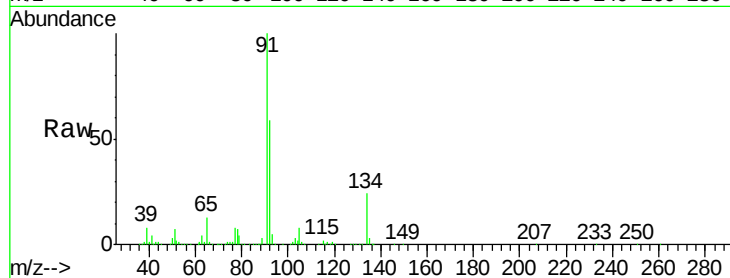
Tot Ion: 91 Resp: 365193

Ion Ratio Lower Upper

91 100

92 59.3 30.3 91.0

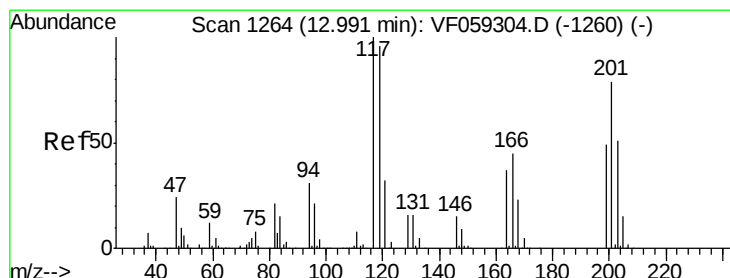
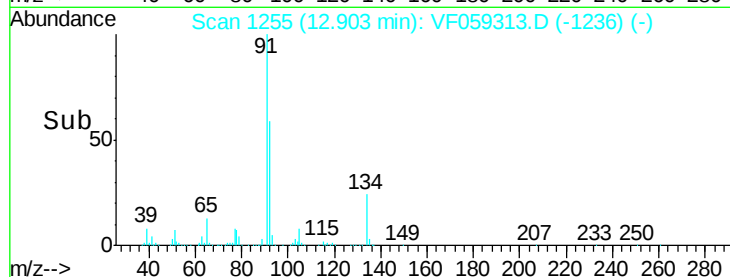
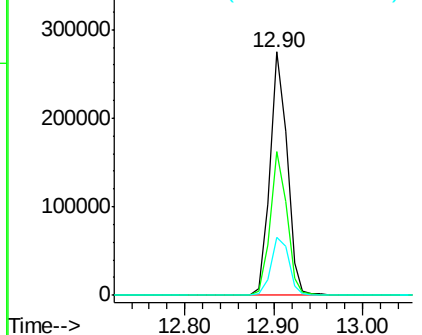
134 24.0 12.9 38.7



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: 21.535 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059313.D

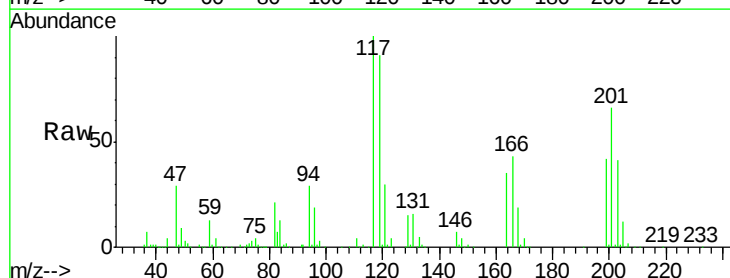
Acq: 26 Jun 2018 13:27

Tgt Ion: 117 Resp: 85846

Ion Ratio Lower Upper

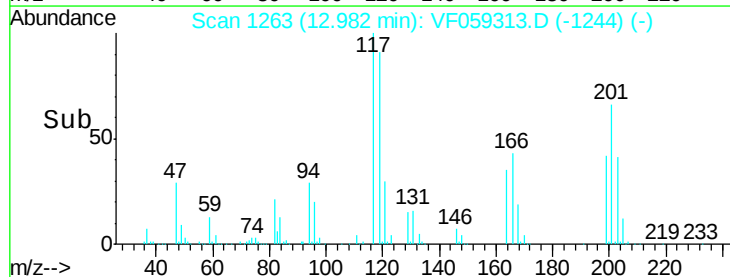
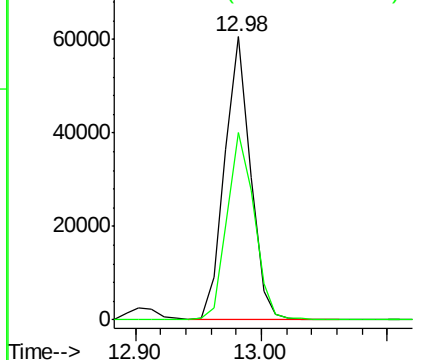
117 100

201 66.1 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: 21.681 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

Instrument :

MSVOA_F

ClientSampleId :

VF0626SBSD01

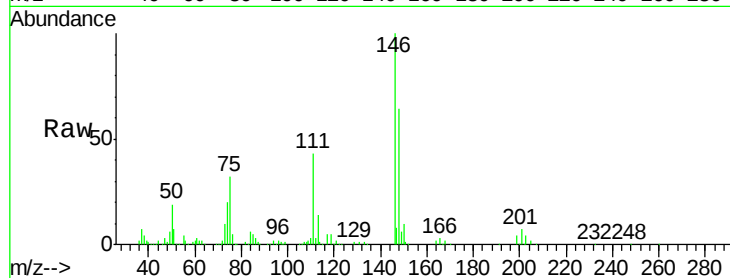
Tot Ion:146 Resp: 179215

Ion Ratio Lower Upper

146 100

111 42.9 22.7 68.0

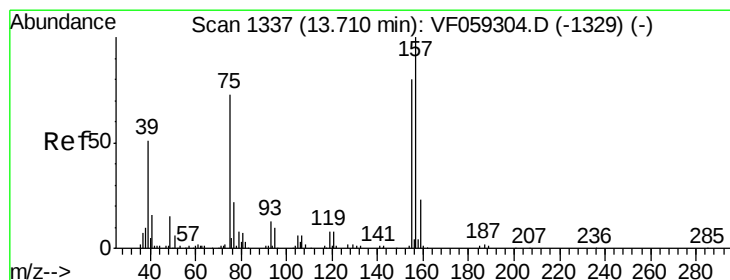
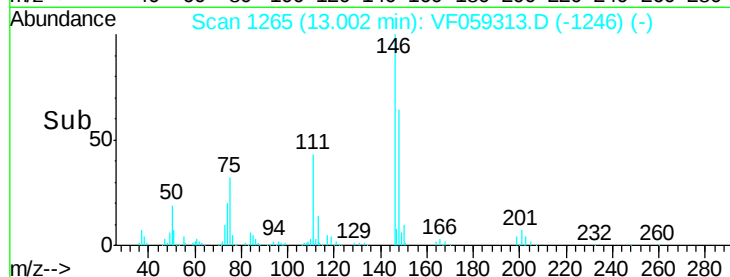
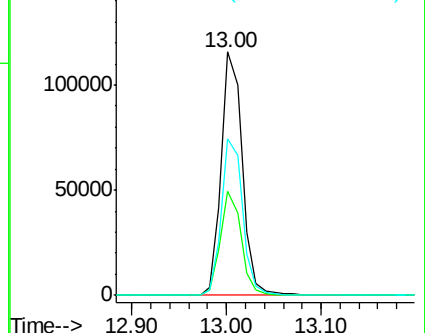
148 64.3 33.5 100.4



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: 18.635 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059313.D

Acq: 26 Jun 2018 13:27

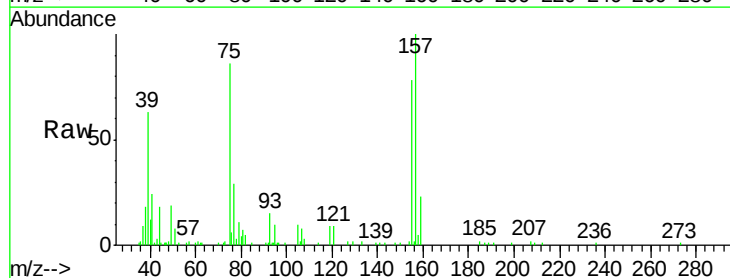
Tgt Ion: 75 Resp: 17122

Ion Ratio Lower Upper

75 100

155 91.6 54.6 163.8

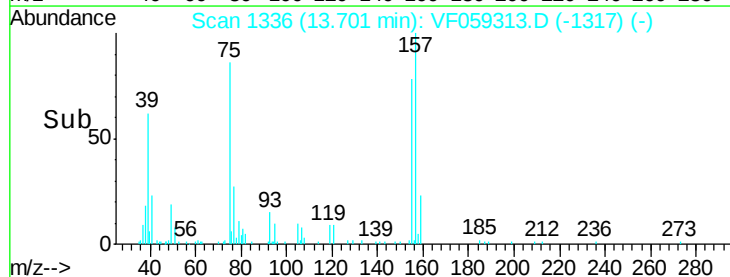
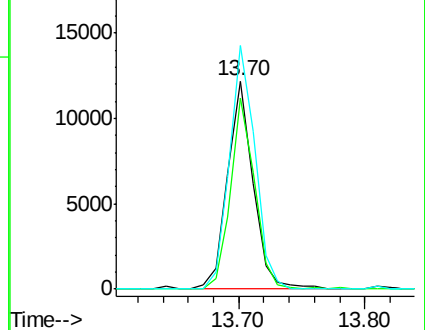
157 116.9 68.7 205.9

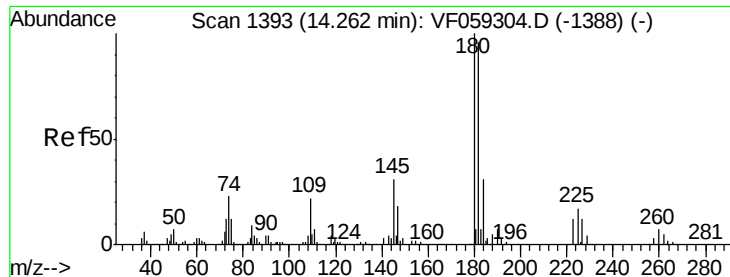


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

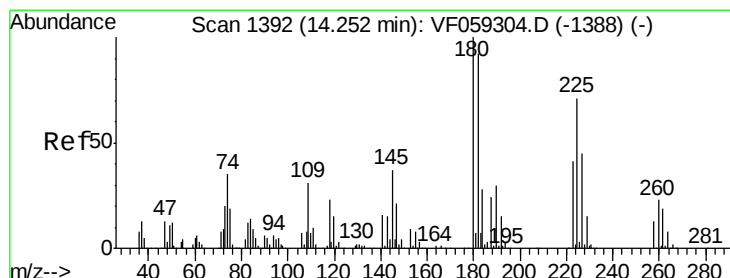
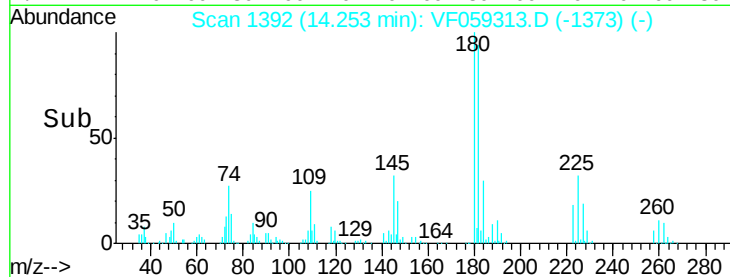
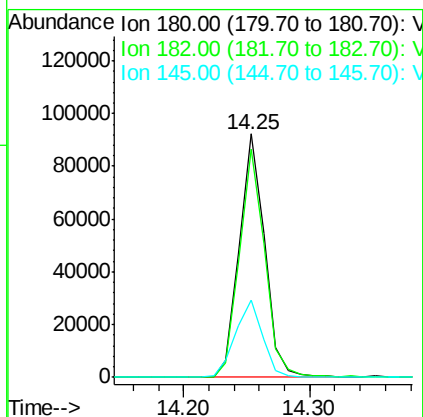
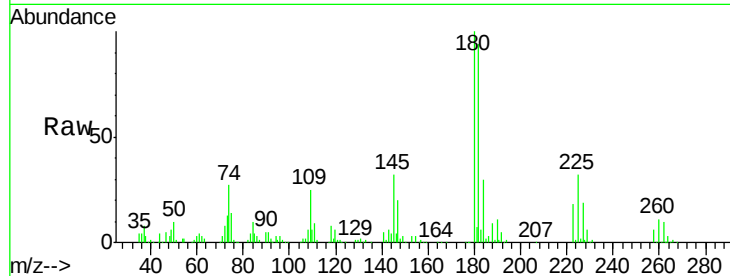




#93
 1,2,4-Trichlorobenzene
 Concen: 20.947 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

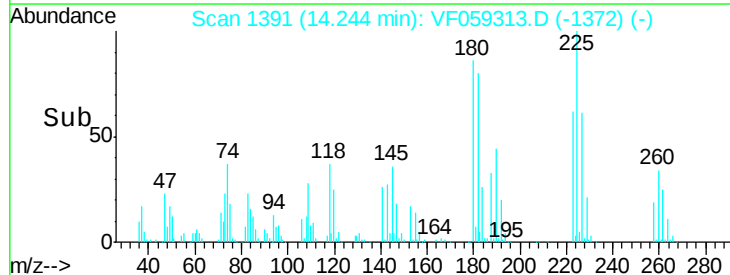
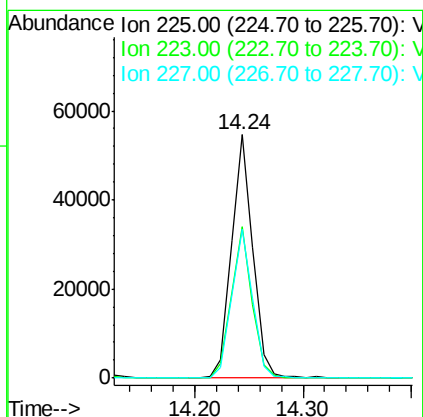
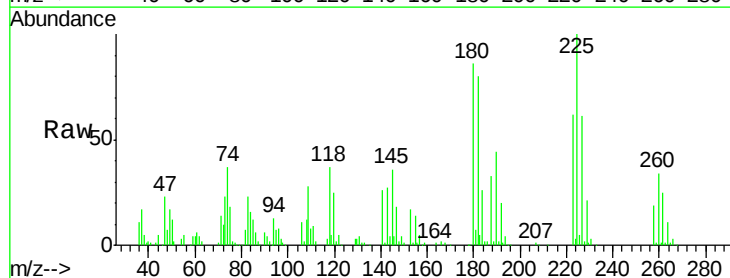
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0626SBSD01

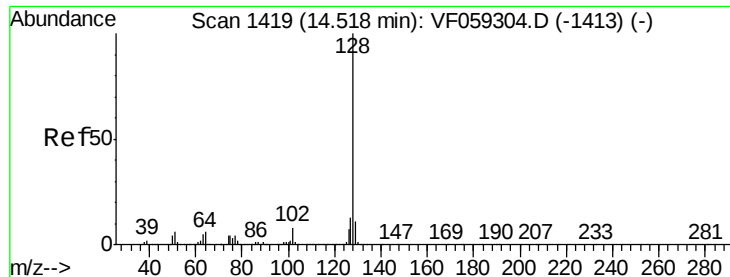
Tot Ion:180 Resp: 128028
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.1 144.3
 145 31.8 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 21.953 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059313.D
 Acq: 26 Jun 2018 13:27

Tgt Ion:225 Resp: 74945
 Ion Ratio Lower Upper
 225 100
 223 62.1 28.9 86.8
 227 61.1 31.3 93.8

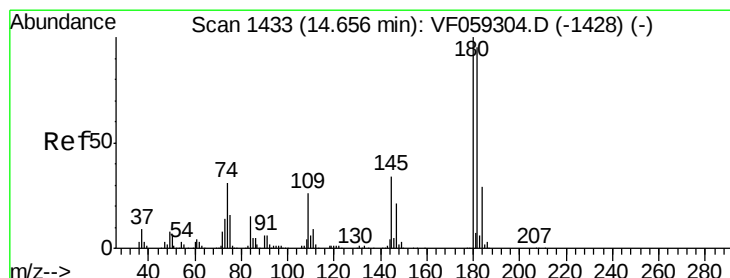
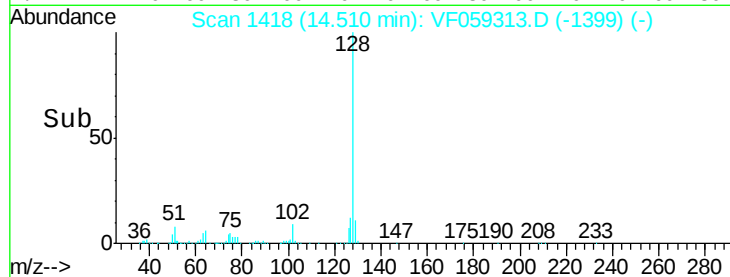
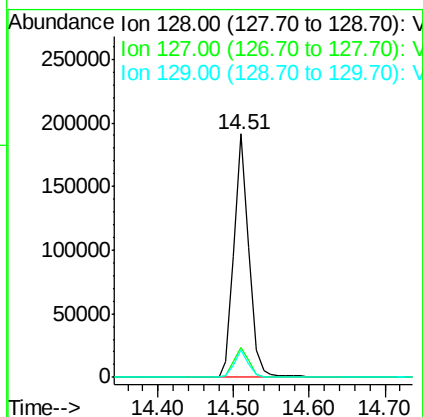
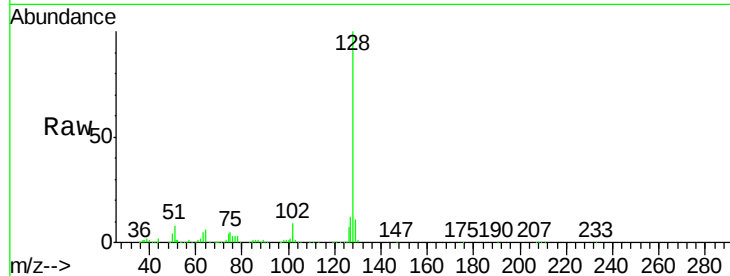




#95
Naphthalene
Concen: 20.253 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Instrument :
MSVOA_F
ClientSampleId :
VF0626SBS01

Tot Ion:128 Resp: 258994
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.465 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VF059313.D
Acq: 26 Jun 2018 13:27

Tgt Ion:180 Resp: 118495
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.5
145 30.5 17.0 50.9

