

Data File : VF059306.D
Acq On : 25 Jun 2018 17:09
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Quant Time: Jun 26 08:02:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 07:57:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	276272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	424186	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	416594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	247633	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	322481	82.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.58%	
35) Dibromofluoromethane	4.28	113	278403	79.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.76%	
50) Toluene-d8	7.70	98	735657	83.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.72%	
62) 4-Bromofluorobenzene	11.50	95	376658	77.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	237749	76.184	ug/l	95
3) Chloromethane	1.08	50	165856	84.334	ug/l	98
4) Vinyl Chloride	1.15	62	150508	77.312	ug/l	97
5) Bromomethane	1.33	94	86331	65.005	ug/l	92
6) Chloroethane	1.42	64	82732	86.802	ug/l	92
7) Trichlorofluoromethane	1.48	101	97599	25.614	ug/l	97
8) Diethyl Ether	1.69	74	76154	86.278	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	174132	80.823	ug/l	97
10) Methyl Iodide	1.96	142	342292	86.627	ug/l	99
11) Tert butyl alcohol	2.68	59	92826	392.328	ug/l #	93
12) 1,1-Dichloroethene	1.85	96	149588	77.553	ug/l	90
13) Acrolein	2.08	56	50571	268.094	ug/l #	75
14) Allyl chloride	2.18	41	313223	87.775	ug/l	93
15) Acrylonitrile	3.06	53	194411	397.235	ug/l	98
16) Acetone	2.32	43	412433	433.911	ug/l	99
17) Carbon Disulfide	1.83	76	374239	80.614	ug/l	97
18) Methyl Acetate	2.44	43	149720	83.573	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	570321	87.820	ug/l	93
20) Methylene Chloride	2.27	84	91403	44.100	ug/l	97
21) trans-1,2-Dichloroethene	2.40	96	174888	88.183	ug/l	94
22) Diisopropyl ether	2.92	45	636689	85.834	ug/l	99
23) Vinyl Acetate	3.32	43	2001753	421.235	ug/l	100
24) 1,1-Dichloroethane	2.98	63	405450	84.639	ug/l	100
25) 2-Butanone	4.49	43	498462	401.777	ug/l	95
26) 2,2-Dichloropropane	3.73	77	102084	30.745	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	262805	86.984	ug/l	91
28) Bromochloromethane	3.87	49	146928	73.407	ug/l	95
29) Tetrahydrofuran	4.24	42	214793	386.309	ug/l	98
30) Chloroform	4.02	83	579241	83.660	ug/l	97
31) Cyclohexane	3.85	56	249723	76.938	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	401818	77.376	ug/l	98
36) 1,1-Dichloropropene	4.44	75	359348	83.681	ug/l	98
37) Ethyl Acetate	4.28	43	218640	77.443	ug/l	89
38) Carbon Tetrachloride	4.16	117	444255	83.862	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	324349	84.001	ug/l	98
40) Benzene	4.79	78	771316	83.971	ug/l	99
41) Methacrylonitrile	4.91	41	114428	85.136	ug/l	99
42) 1,2-Dichloroethane	5.10	62	461132	87.406	ug/l	98
43) Isopropyl Acetate	7.10	43	298486	87.859	ug/l #	97
44) Trichloroethene	5.66	130	259998	82.310	ug/l	95
45) 1,2-Dichloropropane	6.39	63	212430	79.757	ug/l	97
46) Dibromomethane	6.24	93	203118	88.866	ug/l	96
47) Bromodichloromethane	6.53	83	490793	90.067	ug/l	99
48) Methyl methacrylate	6.86	41	202125	92.940	ug/l	98
49) 1,4-Dioxane	6.85	88	20600	1616.443	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	979011	399.071	ug/l	99
52) Toluene	7.77	92	574264	80.822	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	434193	85.305	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	470537	86.950	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	232003	84.495	ug/l	94
56) Ethyl methacrylate	8.75	69	289496	91.755	ug/l	99
57) 1,3-Dichloropropane	8.99	76	392338	86.394	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	102368	408.243	ug/l	100
59) 2-Hexanone	9.62	43	809366	412.437	ug/l	99
60) Dibromochloromethane	8.85	129	365959	90.074	ug/l	94
61) 1,2-Dibromoethane	9.13	107	285936	89.731	ug/l	99
64) Tetrachloroethene	8.29	164	252490	81.264	ug/l	98
65) Chlorobenzene	9.93	112	747905	86.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	327255	90.193	ug/l	95
67) Ethyl Benzene	10.02	91	1289341	88.336	ug/l	100
68) m/p-Xylenes	10.26	106	906914	173.947	ug/l	92
69) o-Xylene	10.82	106	520939	90.158	ug/l	93
70) Styrene	10.89	104	753270	85.832	ug/l	98
71) Bromoform	10.88	173	233482	90.639	ug/l #	100
73) Isopropylbenzene	11.22	105	1412858	85.534	ug/l	97
74) N-amyl acetate	11.45	43	504112	91.514	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.78	83	333614	84.361	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	240869	83.316	ug/l	95
77) Bromobenzene	11.59	156	394350	88.123	ug/l	81
78) n-propylbenzene	11.68	91	1633643	84.005	ug/l	98
79) 2-Chlorotoluene	11.81	91	1025258	87.602	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	1315818	94.342	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.94	75	158187	86.581	ug/l	97
82) 4-Chlorotoluene	11.98	91	1091125	86.283	ug/l	98
83) tert-Butylbenzene	12.21	119	1176293	83.512	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	1272417	86.224	ug/l	97
85) sec-Butylbenzene	12.38	105	1605313	84.851	ug/l	97
86) p-Isopropyltoluene	12.53	119	1313056	84.612	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	671645	83.633	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	688641	87.090	ug/l	98
89) n-Butylbenzene	12.91	91	1323311	83.899	ug/l	96
90) Hexachloroethane	12.99	117	347942	89.036	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	673187	83.586	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	77414	90.645	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062518\
Quantitation Report (Not Reviewed)

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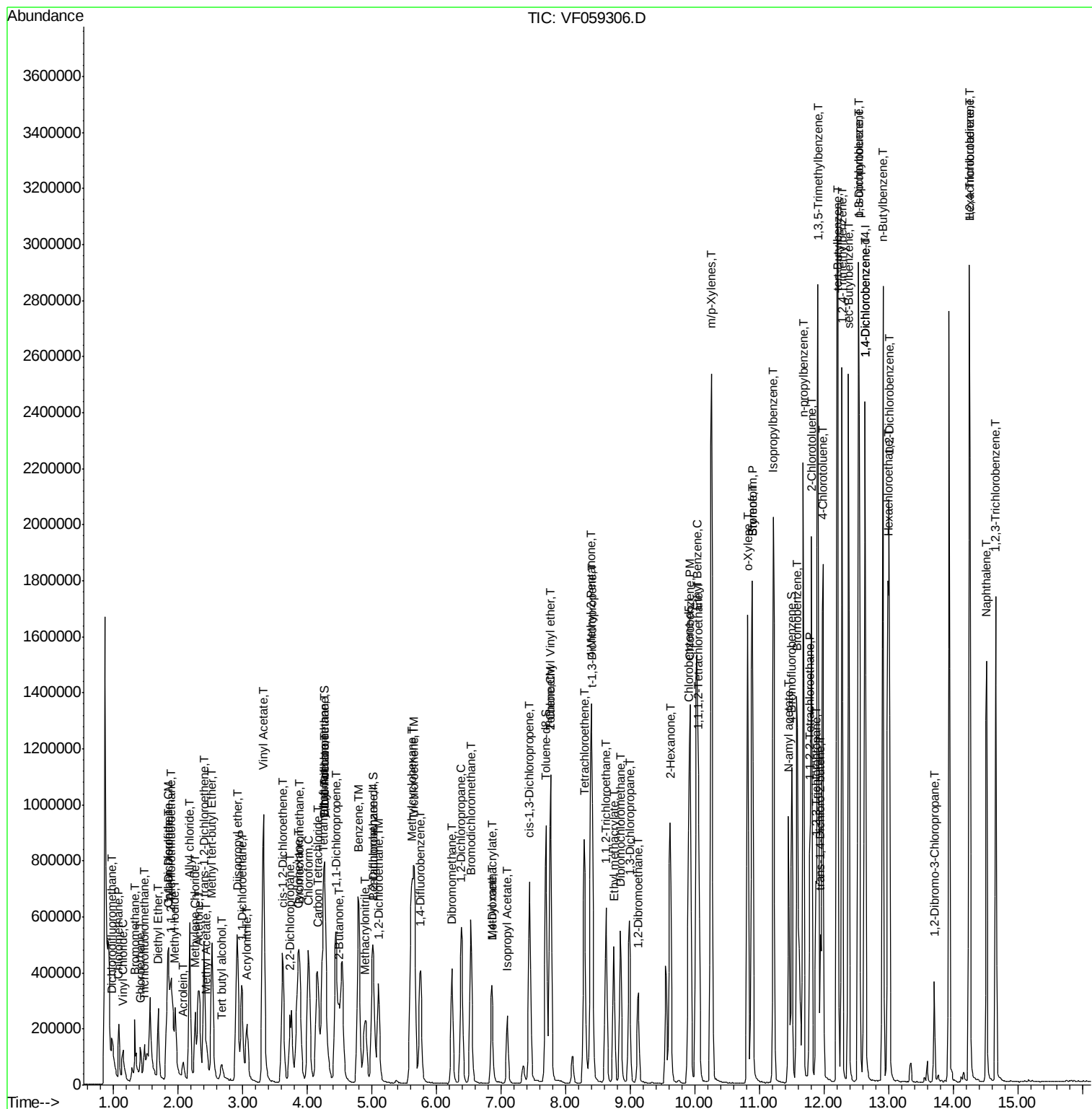
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	507769	86.969	ug/l	99
94) Hexachlorobutadiene	14.25	225	298812	87.446	ug/l	98
95) Naphthalene	14.52	128	1120356	93.091	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	495915	90.303	ug/l	96

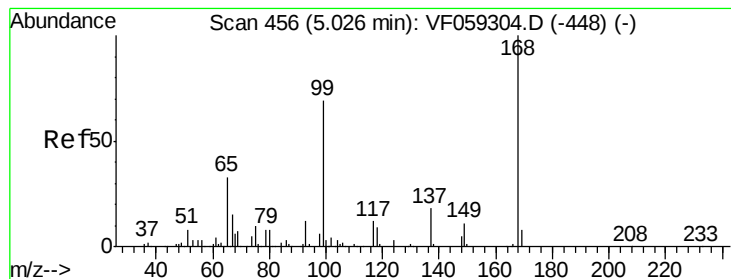
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

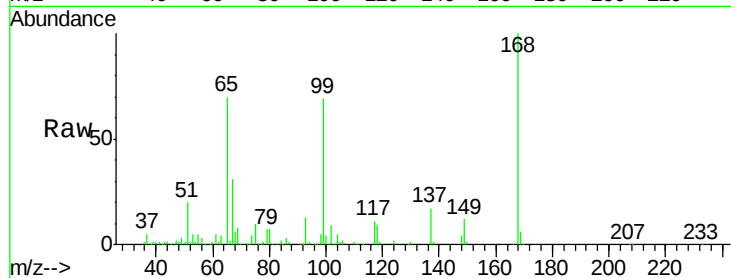
VSTDIC100

Tgt Ion:168 Resp: 276272

Ion Ratio Lower Upper

168 100

99 69.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

60000

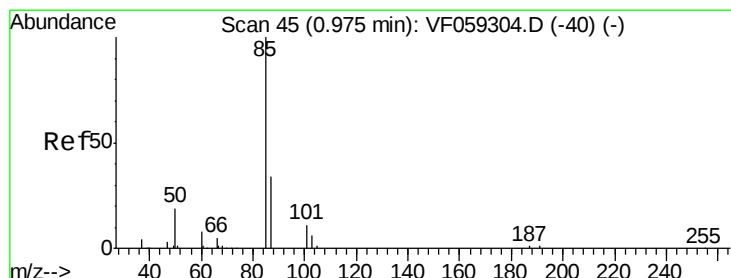
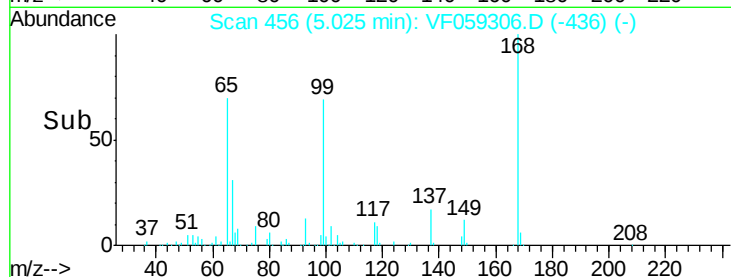
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 76.184 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059306.D

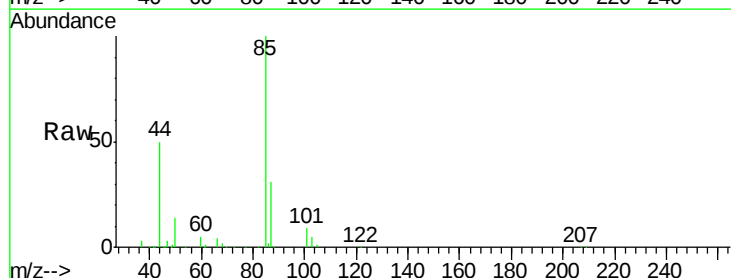
Acq: 25 Jun 2018 17:09

Tgt Ion: 85 Resp: 237749

Ion Ratio Lower Upper

85 100

87 31.1 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

80000

60000

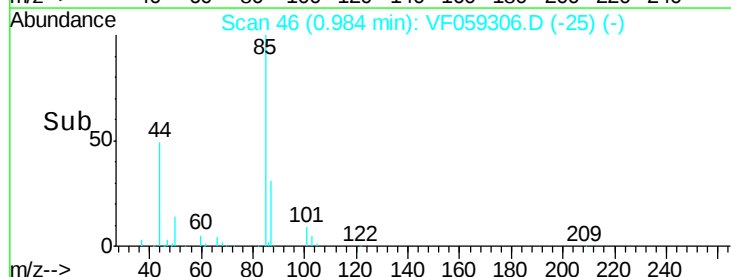
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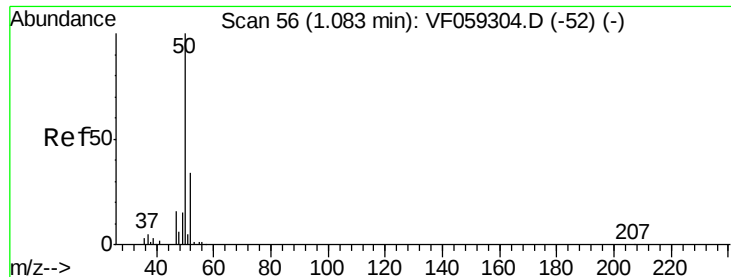
20000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 84.334 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

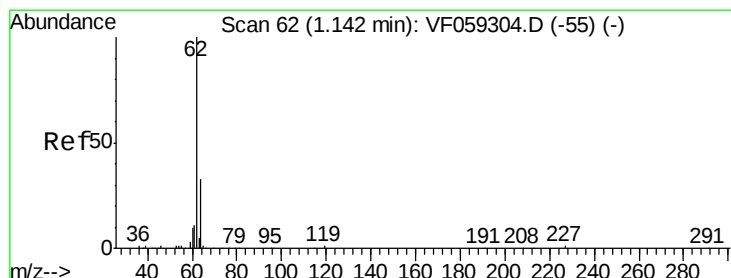
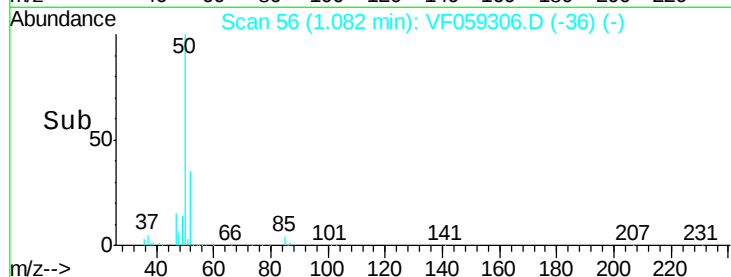
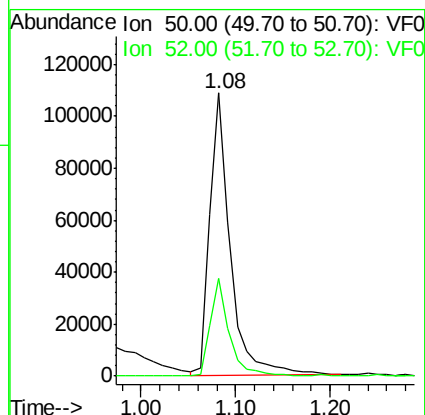
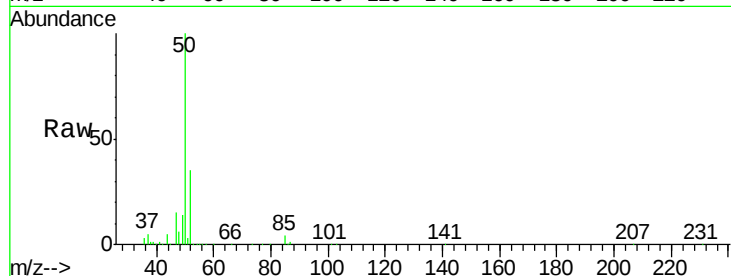
VSTDIC100

Tgt Ion: 50 Resp: 165856

Ion Ratio Lower Upper

50 100

52 34.5 26.7 40.1



#4

Vinyl Chloride

Concen: 77.312 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059306.D

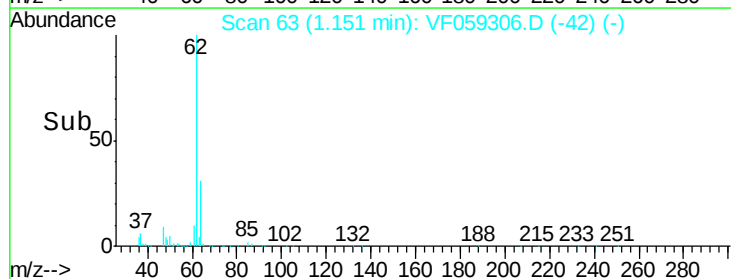
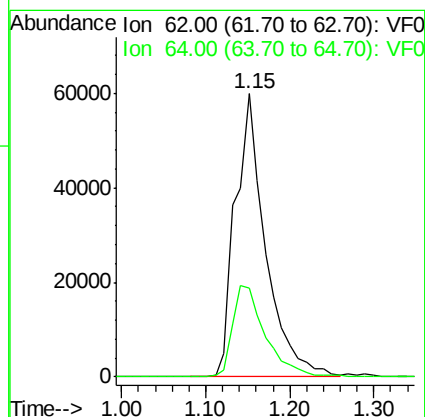
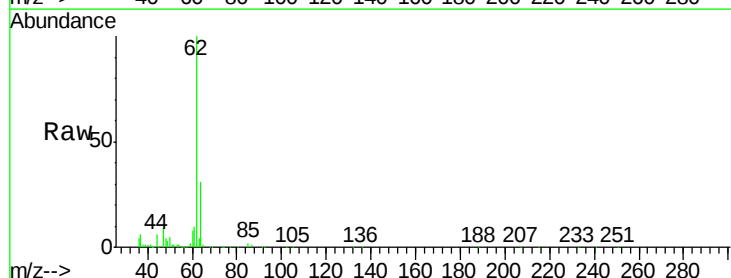
Acq: 25 Jun 2018 17:09

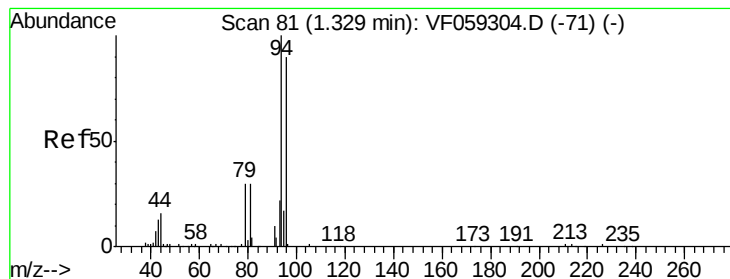
Tgt Ion: 62 Resp: 150508

Ion Ratio Lower Upper

62 100

64 31.3 26.3 39.5





#5

Bromomethane

Concen: 65.005 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

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ClientSampleId :

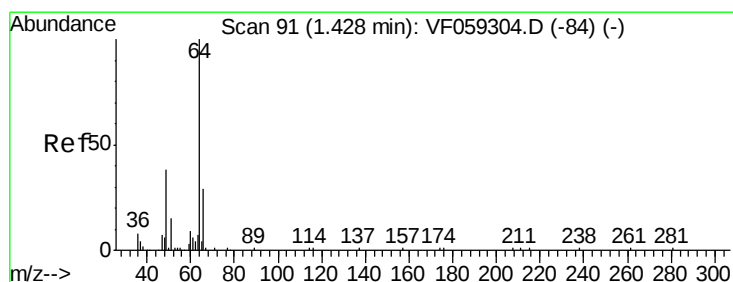
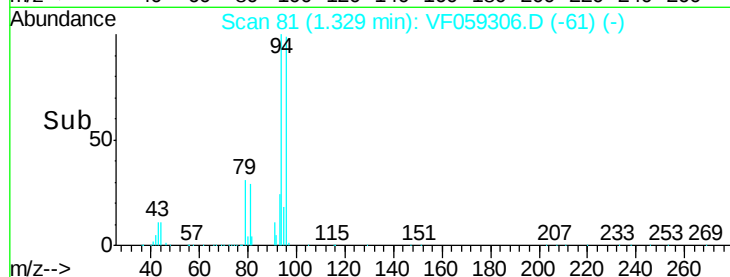
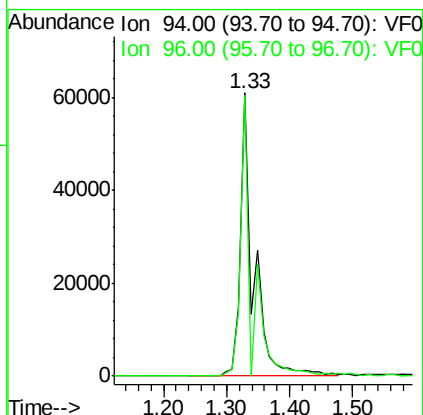
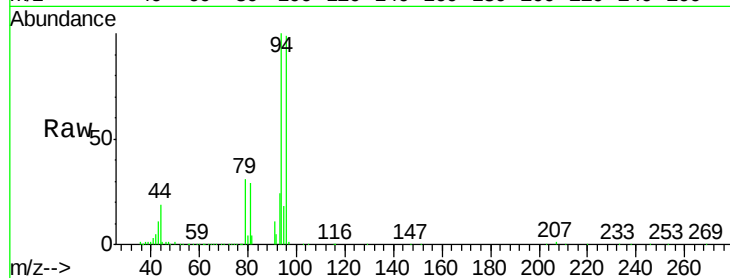
VSTDIC100

Tgt Ion: 94 Resp: 86331

Ion Ratio Lower Upper

94 100

96 99.3 73.4 110.0



#6

Chloroethane

Concen: 86.802 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059306.D

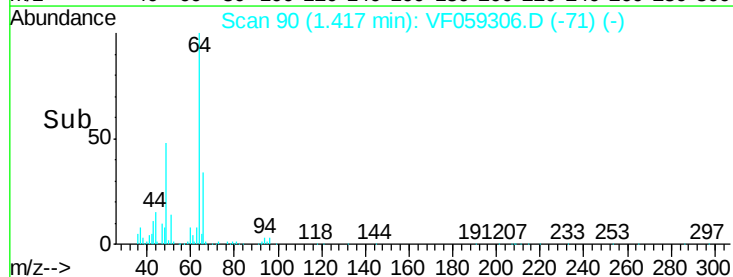
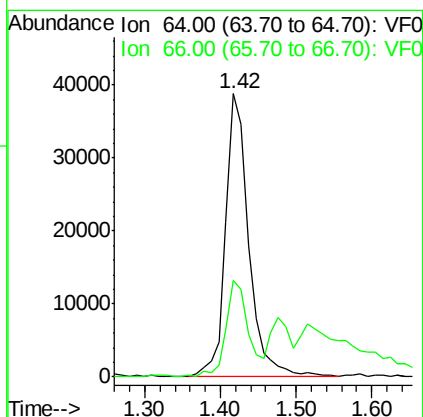
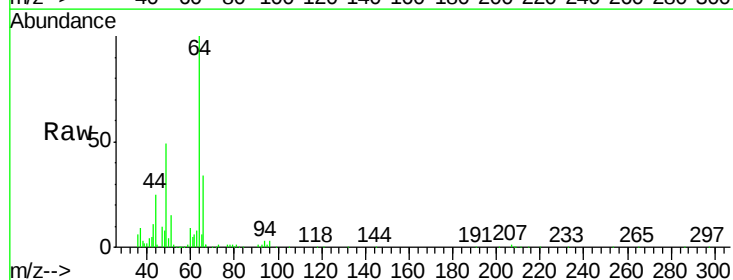
Acq: 25 Jun 2018 17:09

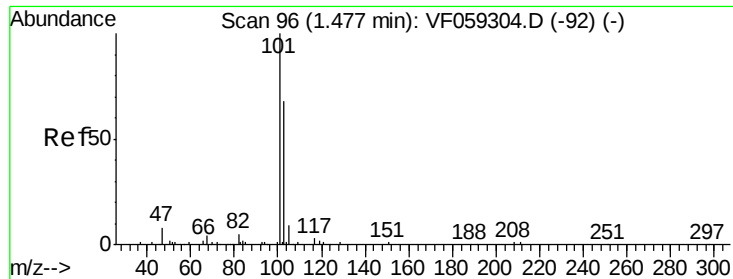
Tgt Ion: 64 Resp: 82732

Ion Ratio Lower Upper

64 100

66 34.2 23.9 35.9





#7

Trichlorofluoromethane

Concen: 25.614 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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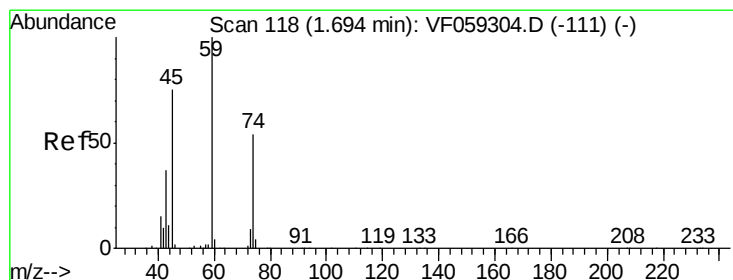
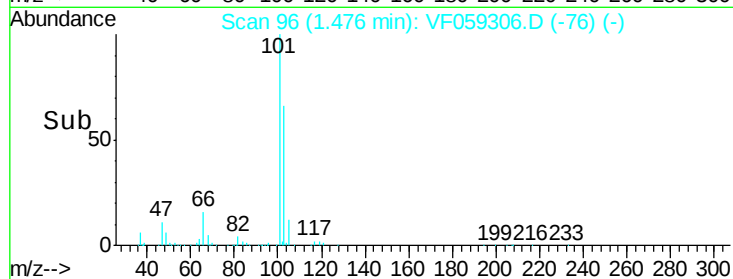
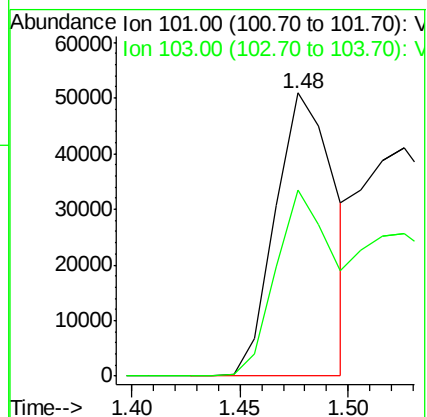
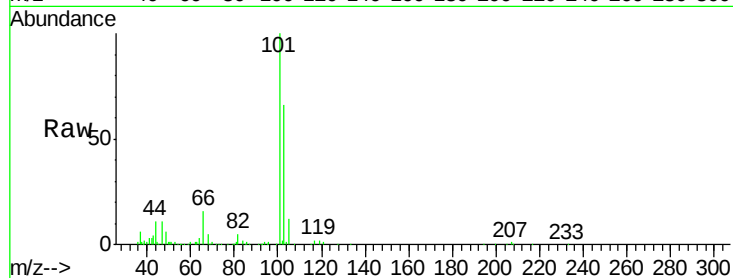
VSTDIC100

Tgt Ion:101 Resp: 97599

Ion Ratio Lower Upper

101 100

103 65.6 54.2 81.2



#8

Diethyl Ether

Concen: 86.278 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059306.D

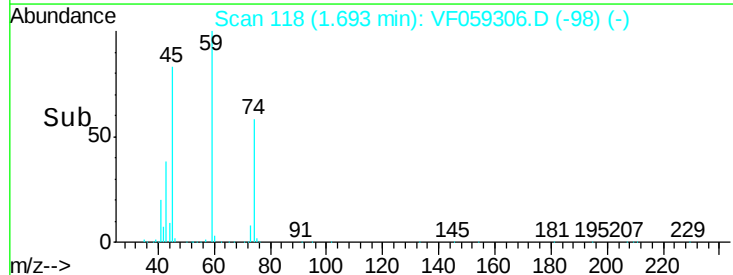
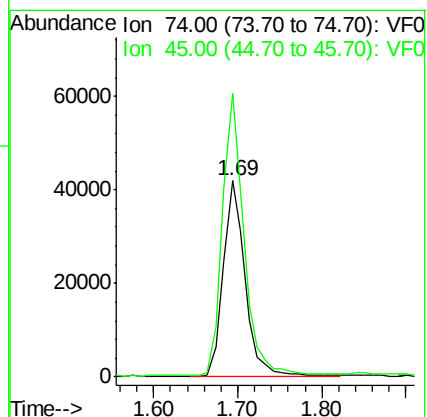
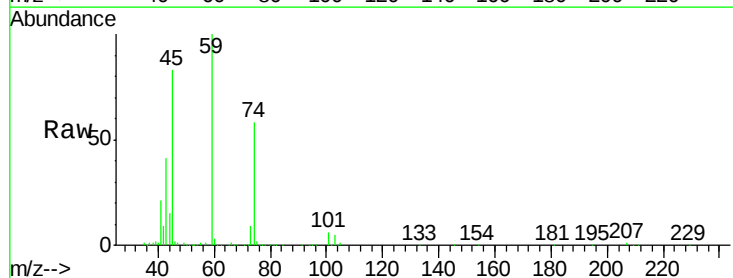
Acq: 25 Jun 2018 17:09

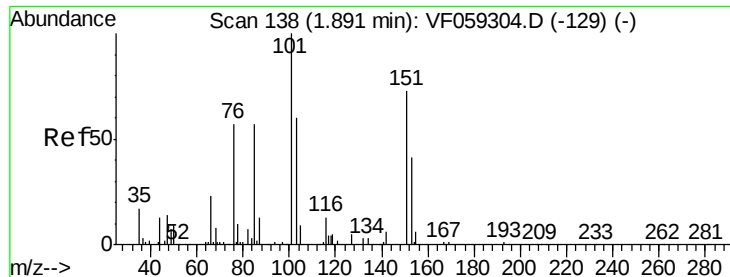
Tgt Ion: 74 Resp: 76154

Ion Ratio Lower Upper

74 100

45 144.3 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.823 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

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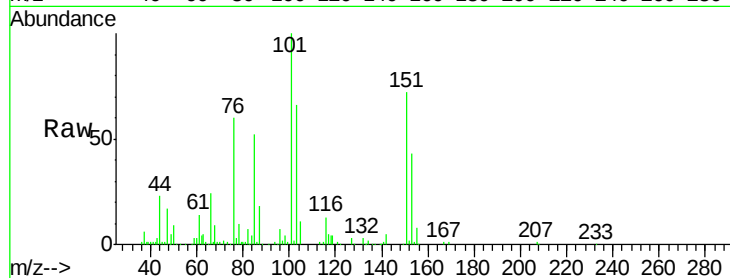
Tgt Ion:101 Resp: 174132

Ion Ratio Lower Upper

101 100

85 52.4 44.5 66.7

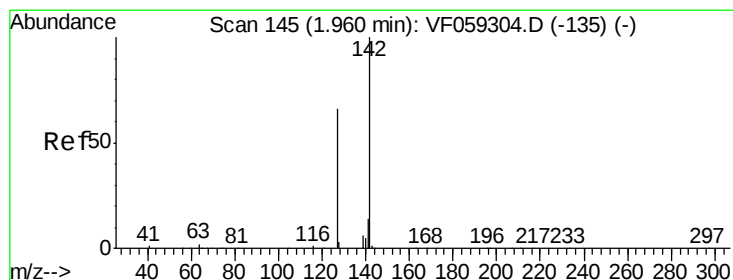
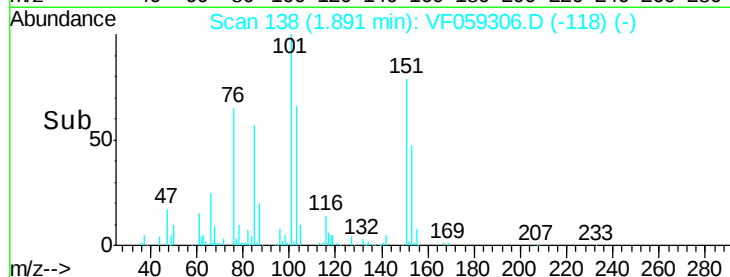
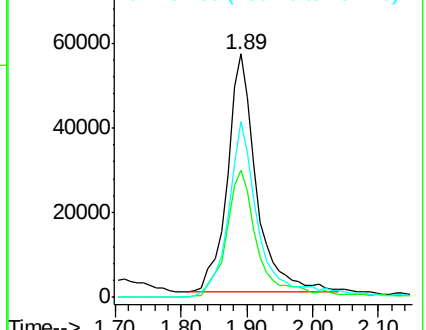
151 72.1 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 86.627 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

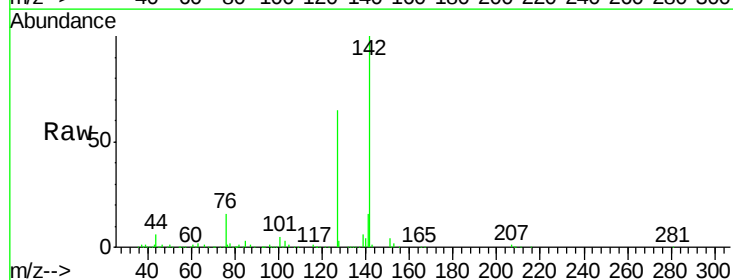
Tgt Ion:142 Resp: 342292

Ion Ratio Lower Upper

142 100

127 65.1 52.5 78.7

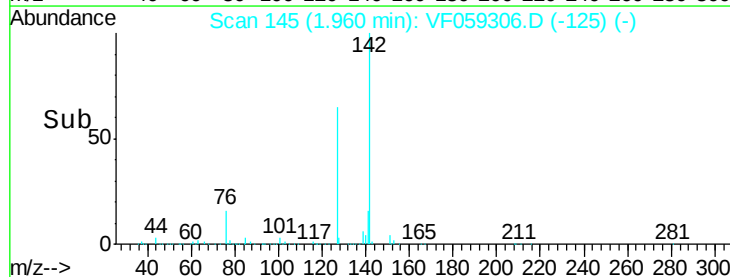
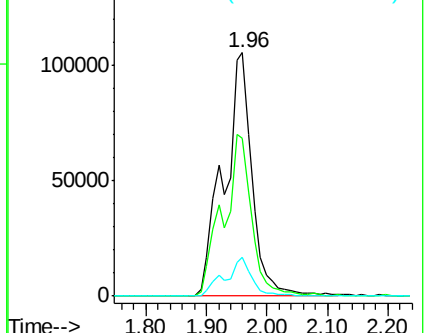
141 15.7 11.5 17.3

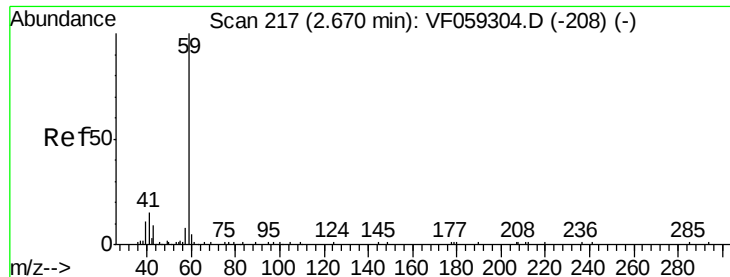


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

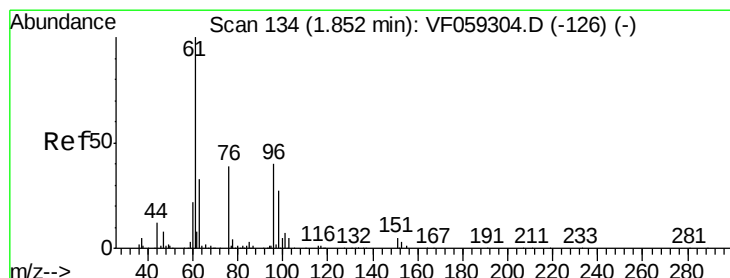
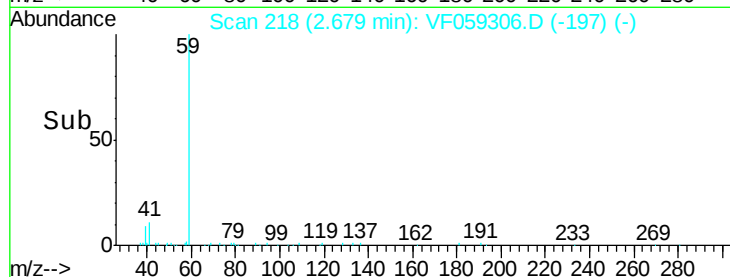
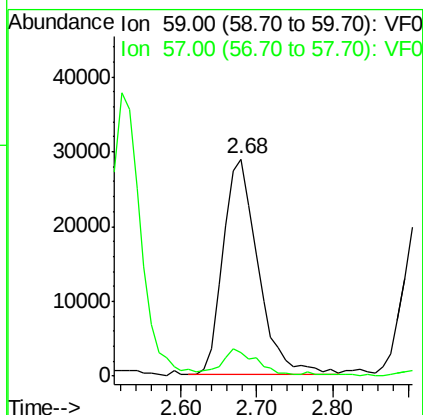
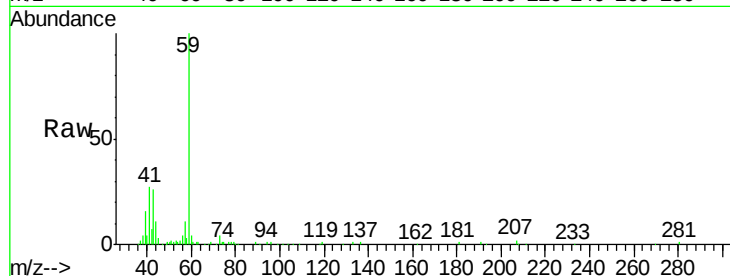




#11
Tert butyl alcohol
Concen: 392.328 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

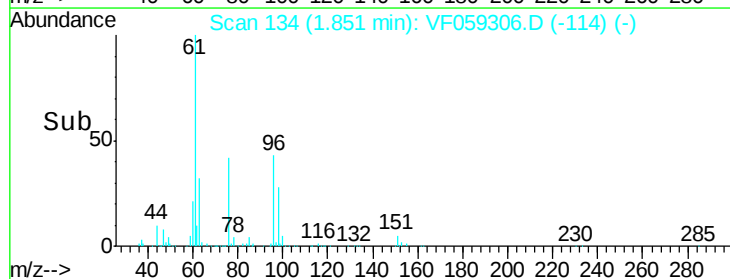
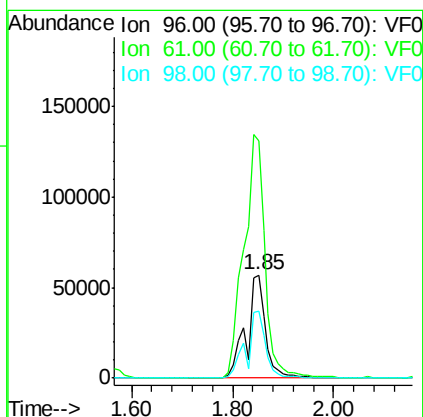
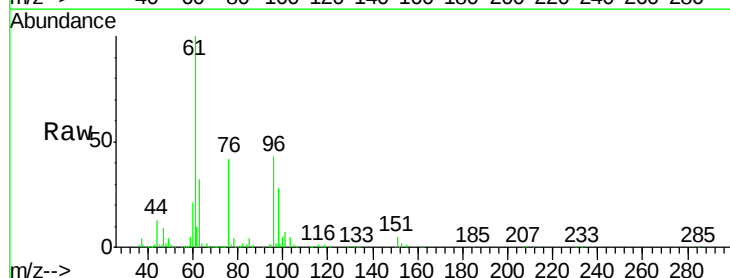
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

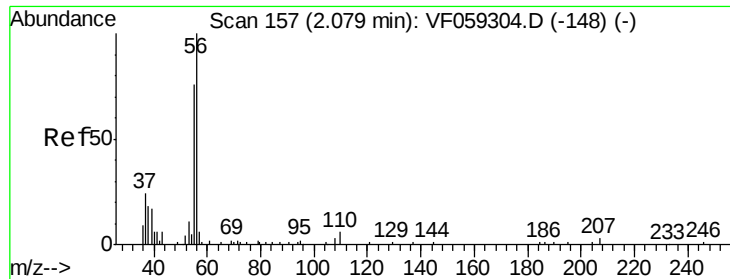
Tgt Ion: 59 Resp: 92826
Ion Ratio Lower Upper
59 100
57 10.7 11.0 16.4#



#12
1,1-Dichloroethene
Concen: 77.553 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 96 Resp: 149588
Ion Ratio Lower Upper
96 100
61 230.0 201.1 301.7
98 64.7 53.9 80.9





#13

Acrolein

Concen: 268.094 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

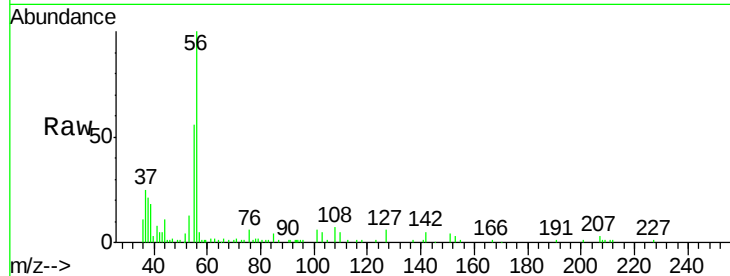
VSTDIC100

Tgt Ion: 56 Resp: 50571

Ion Ratio Lower Upper

56 100

55 56.0 62.4 93.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

20000

15000

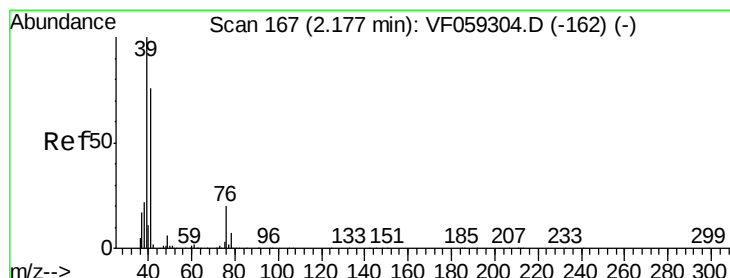
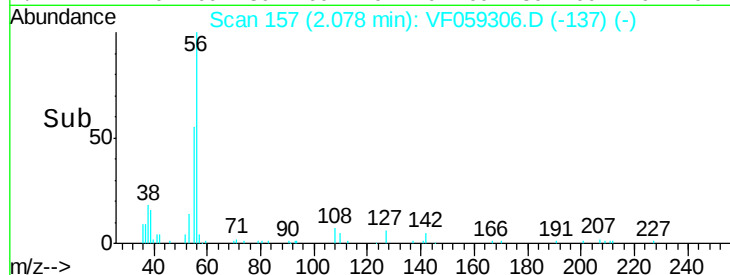
10000

5000

0

Time-->

2.00 2.10 2.20 2.30



#14

Allyl chloride

Concen: 87.775 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

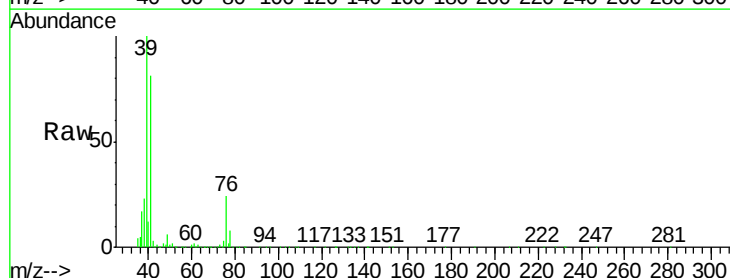
Tgt Ion: 41 Resp: 313223

Ion Ratio Lower Upper

41 100

39 123.7 105.6 158.4

76 29.5 21.6 32.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.18

200000

150000

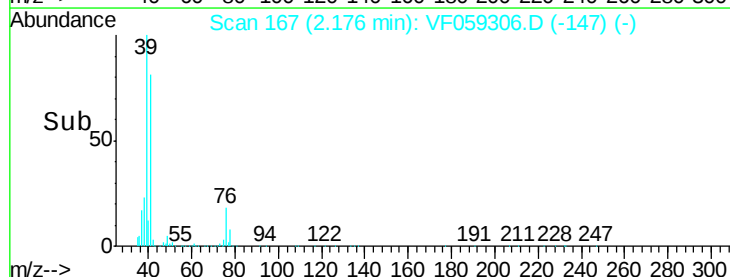
100000

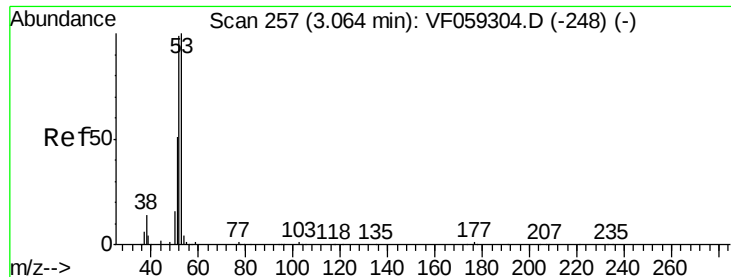
50000

0

Time-->

2.10 2.20 2.30





#15

Acrylonitrile

Concen: 397.235 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

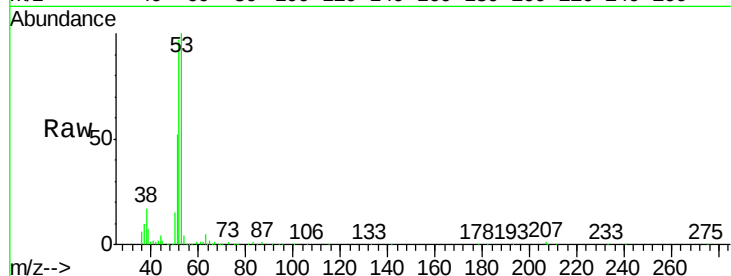
Tgt Ion: 53 Resp: 194411

Ion Ratio Lower Upper

53 100

52 96.5 79.2 118.8

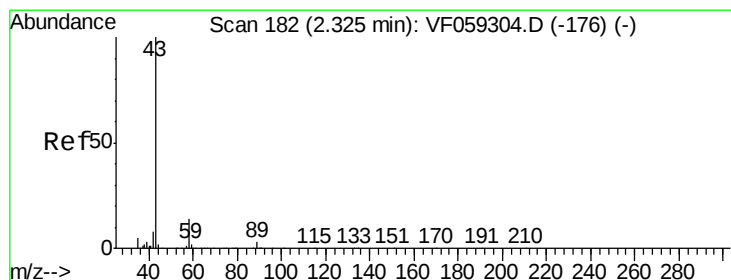
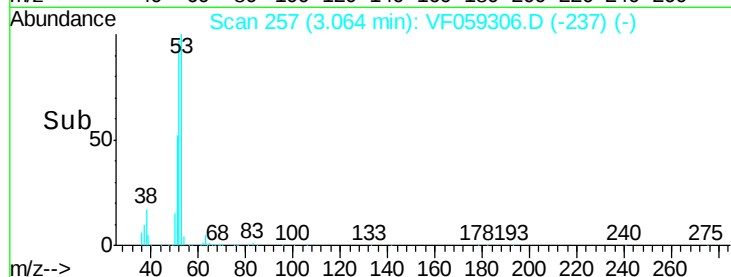
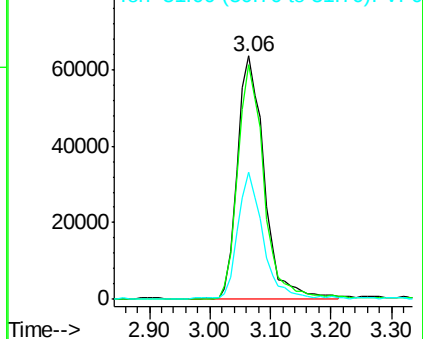
51 52.1 40.9 61.3



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: 433.911 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059306.D

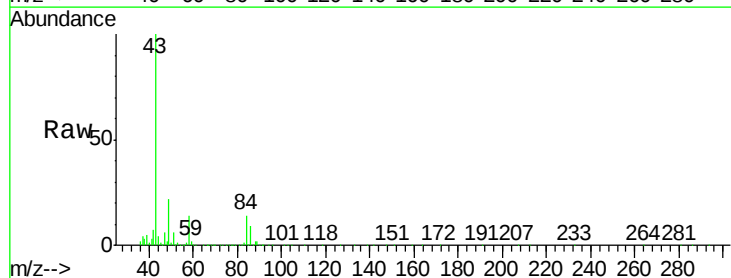
Acq: 25 Jun 2018 17:09

Tgt Ion: 43 Resp: 412433

Ion Ratio Lower Upper

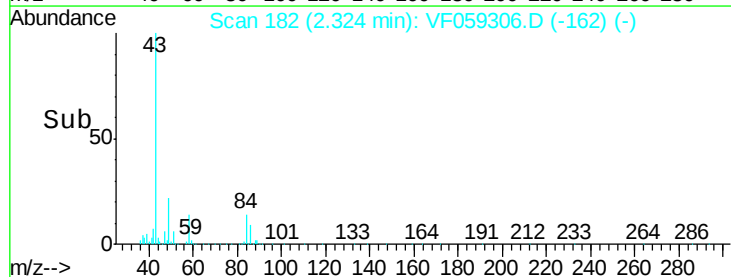
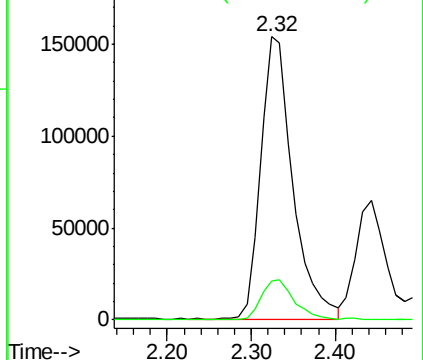
43 100

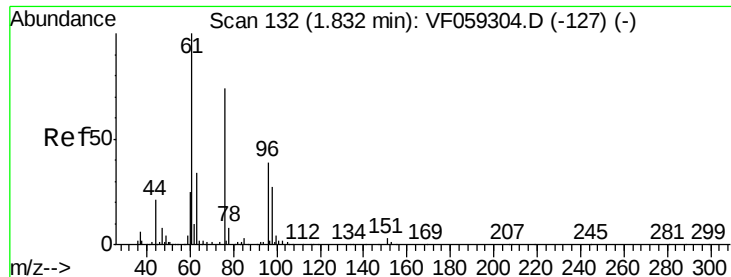
58 13.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 80.614 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

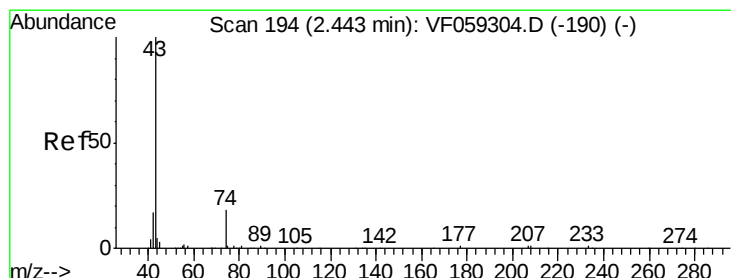
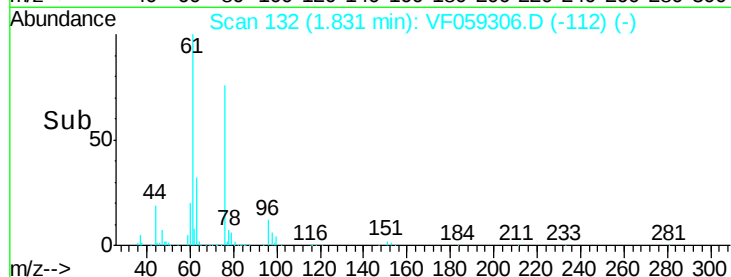
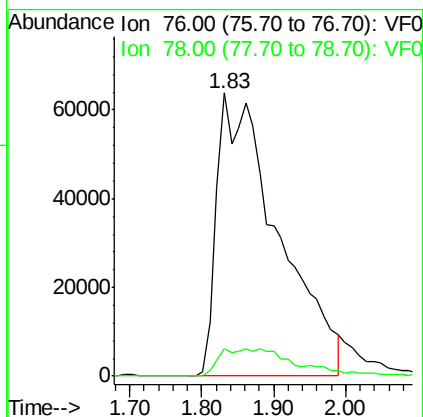
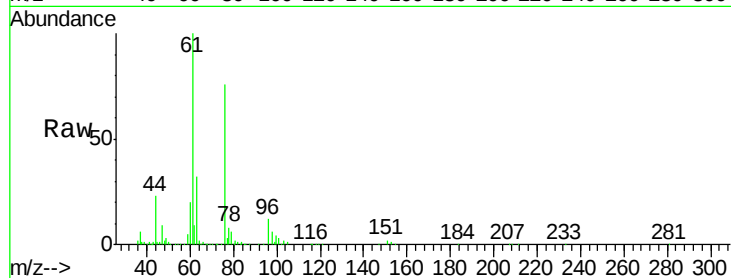
VSTDIC100

Tgt Ion: 76 Resp: 374239

Ion Ratio Lower Upper

76 100

78 9.9 8.9 13.3



#18

Methyl Acetate

Concen: 83.573 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059306.D

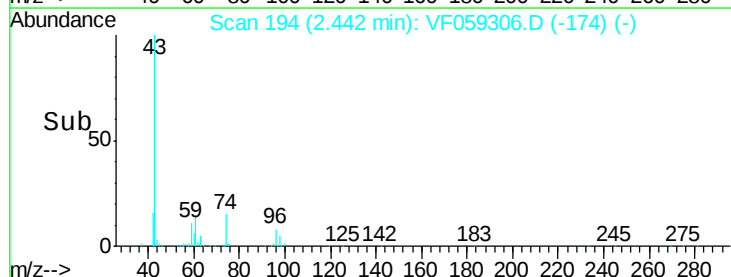
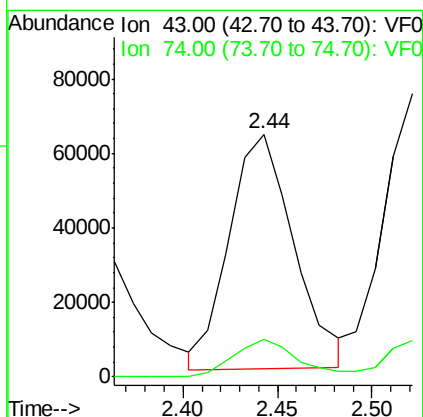
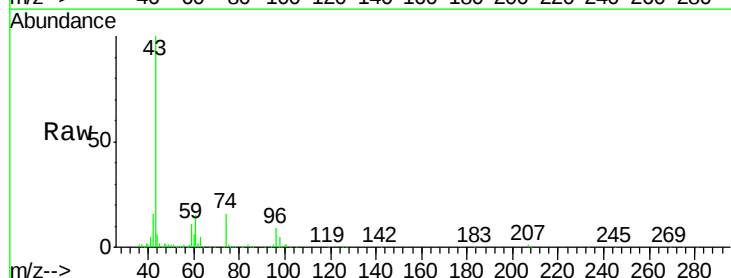
Acq: 25 Jun 2018 17:09

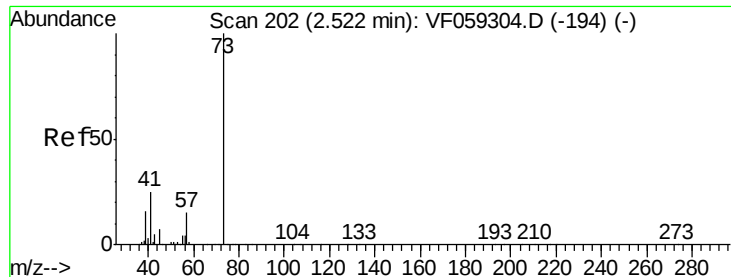
Tgt Ion: 43 Resp: 149720

Ion Ratio Lower Upper

43 100

74 15.5 13.3 19.9



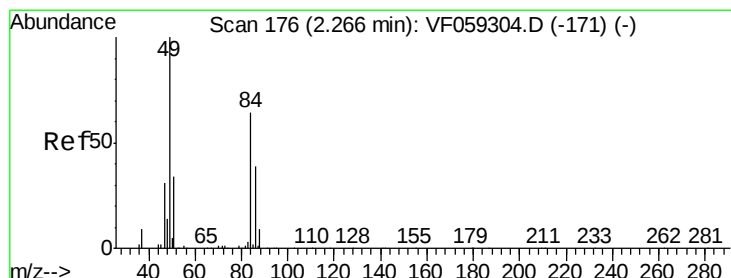
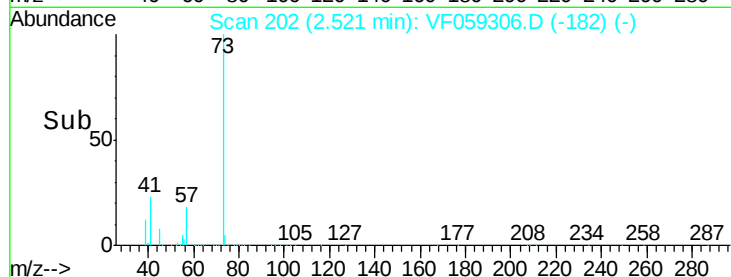
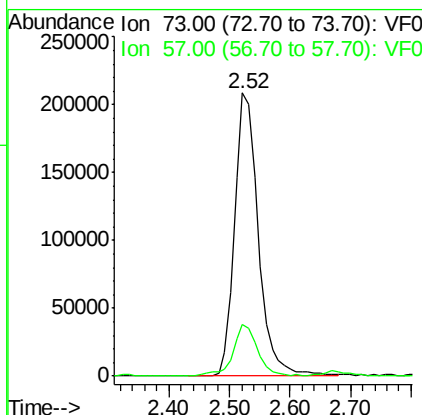
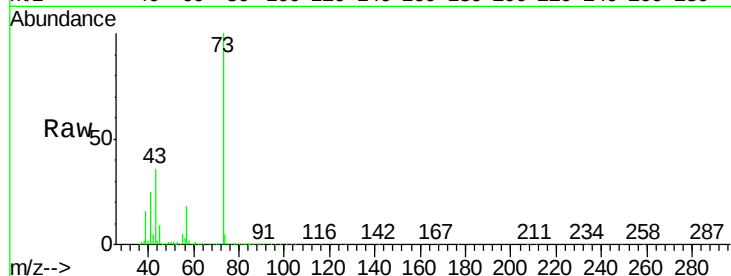


#19

Methyl tert-butyl Ether
Concen: 87.820 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

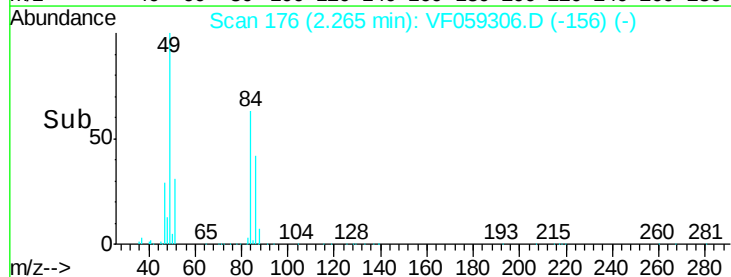
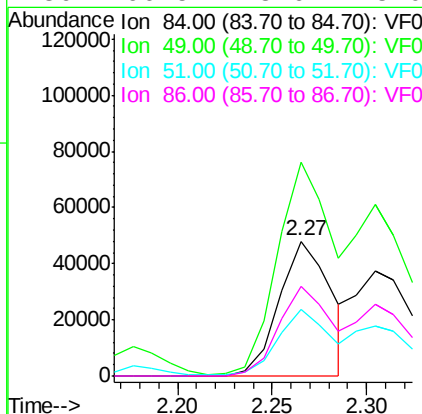
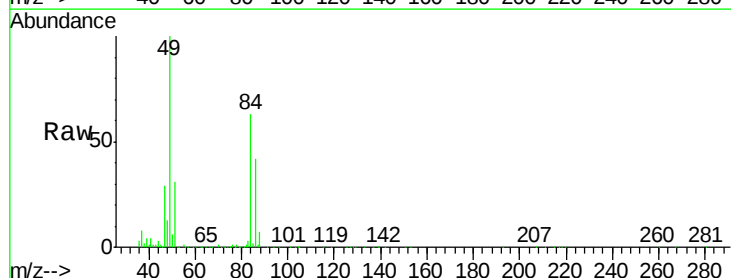
Tgt Ion: 73 Resp: 570321
Ion Ratio Lower Upper
73 100
57 18.1 12.3 18.5

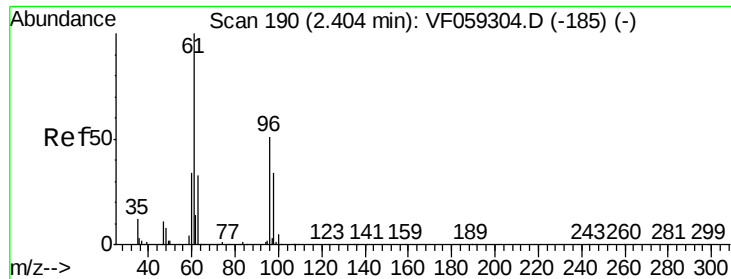


#20

Methylene Chloride
Concen: 44.100 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 84 Resp: 91403
Ion Ratio Lower Upper
84 100
49 158.4 126.5 189.7
51 49.4 42.9 64.3
86 66.5 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 88.183 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

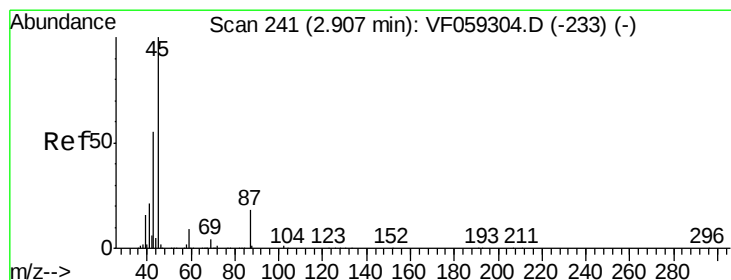
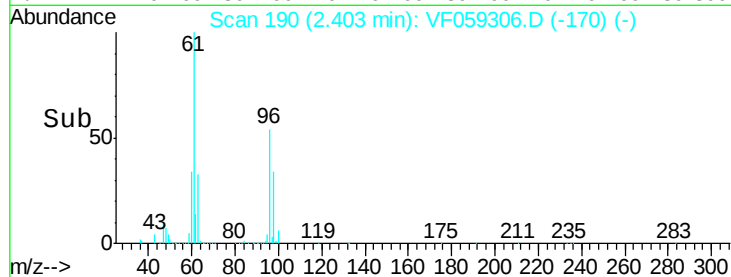
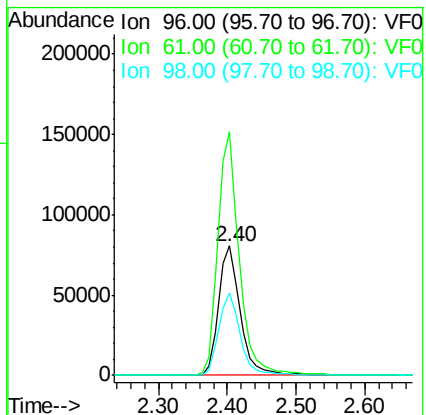
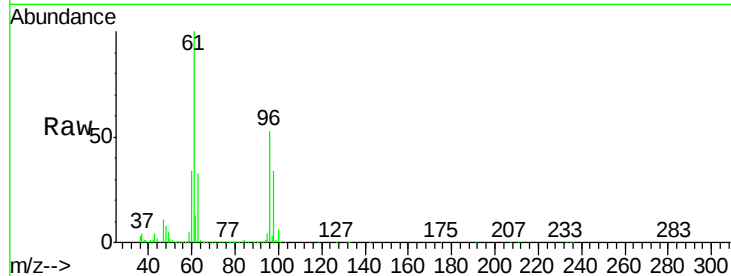
Tgt Ion: 96 Resp: 174888

Ion Ratio Lower Upper

96 100

61 187.9 157.4 236.2

98 63.6 53.7 80.5



#22

Diisopropyl ether

Concen: 85.834 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion: 45 Resp: 636689

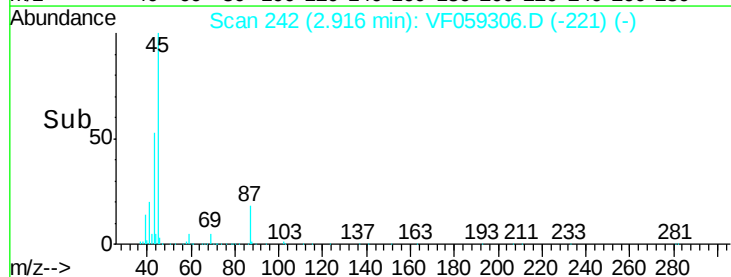
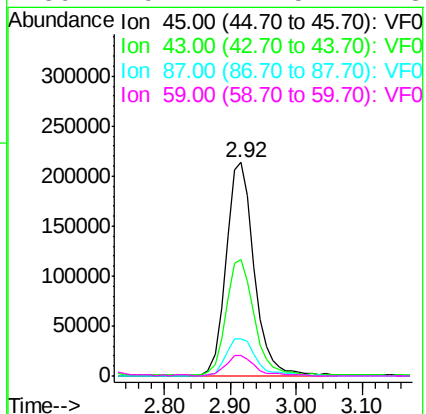
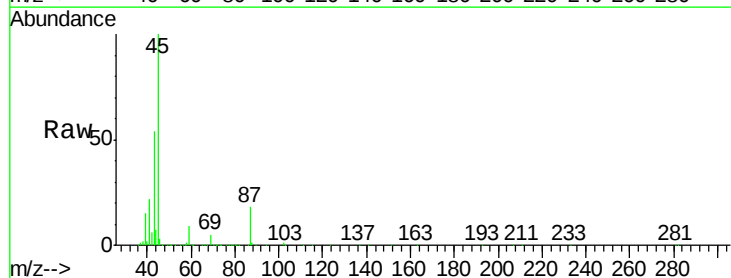
Ion Ratio Lower Upper

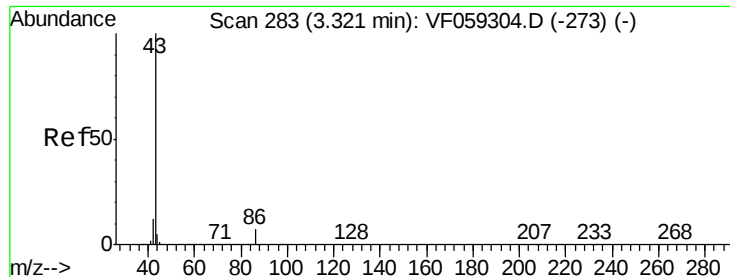
45 100

43 54.5 44.6 66.8

87 17.6 14.3 21.5

59 9.4 7.5 11.3





#23

Vinyl Acetate

Concen: 421.235 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

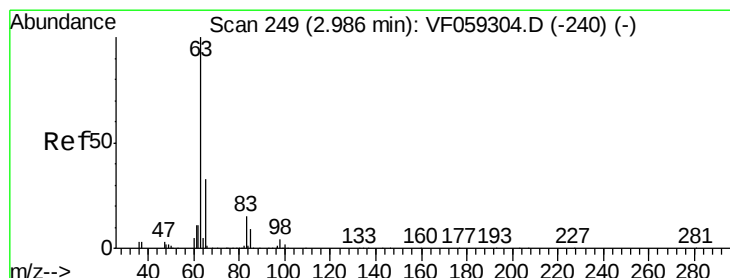
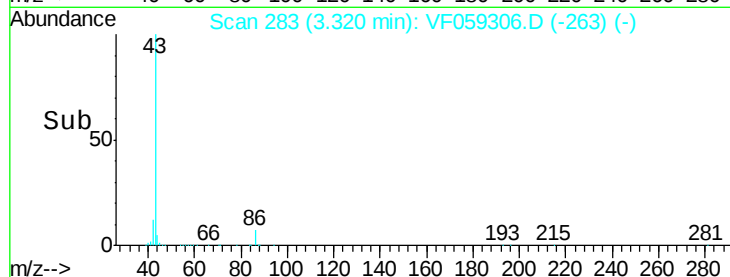
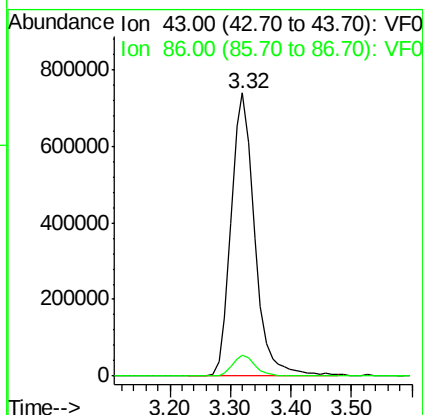
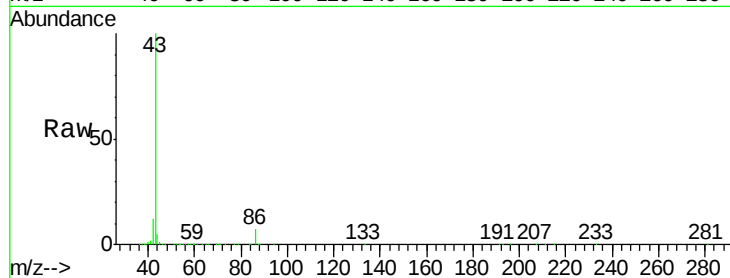
VSTDIC100

Tgt Ion: 43 Resp: 2001753

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.6



#24

1,1-Dichloroethane

Concen: 84.639 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

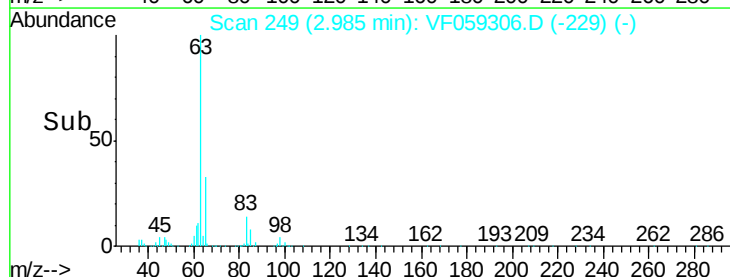
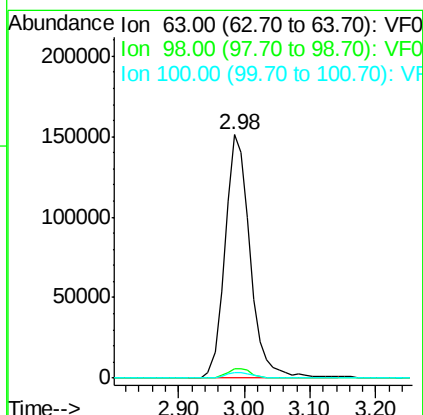
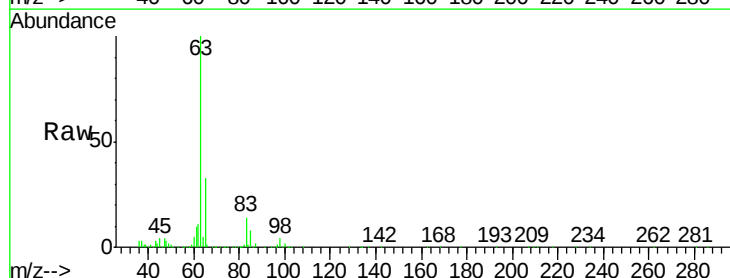
Tgt Ion: 63 Resp: 405450

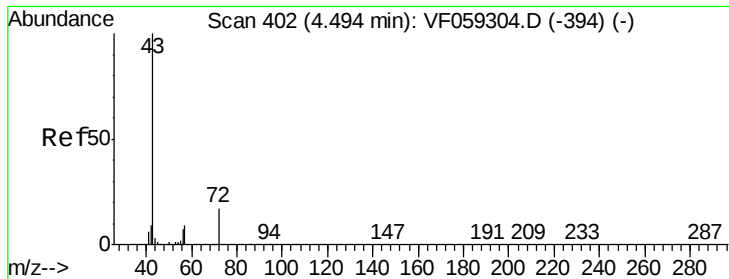
Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 2.3 1.3 3.9





#25

2-Butanone

Concen: 401.777 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

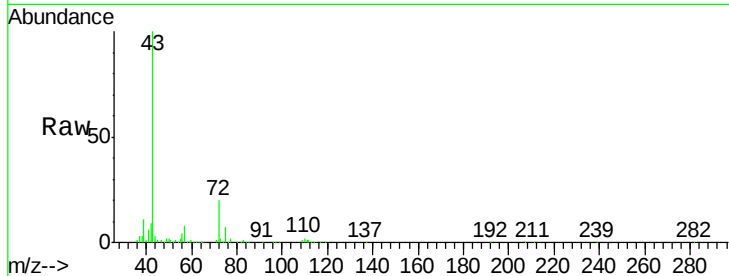
VSTDIC100

Tgt Ion: 43 Resp: 498462

Ion Ratio Lower Upper

43 100

72 20.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

150000

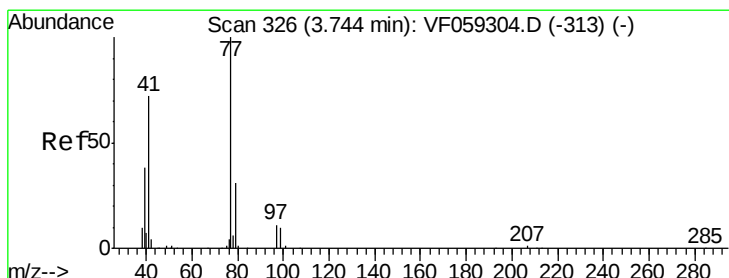
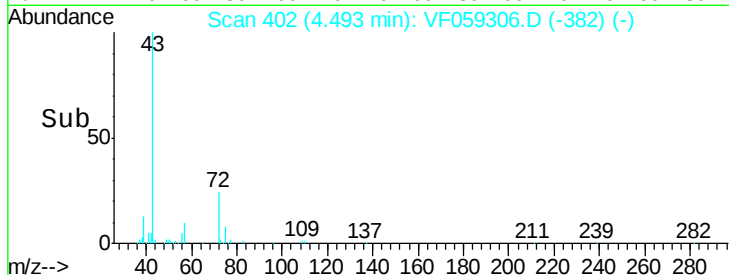
100000

50000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 30.745 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059306.D

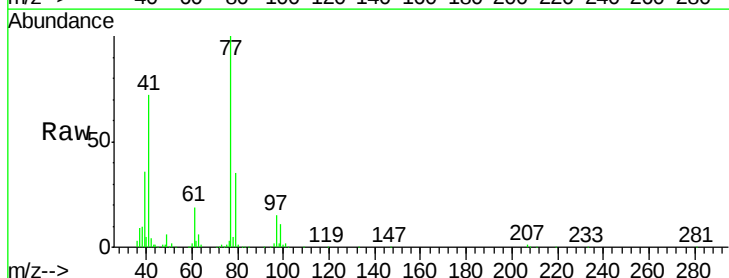
Acq: 25 Jun 2018 17:09

Tgt Ion: 77 Resp: 102084

Ion Ratio Lower Upper

77 100

97 14.9 8.0 23.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

80000

60000

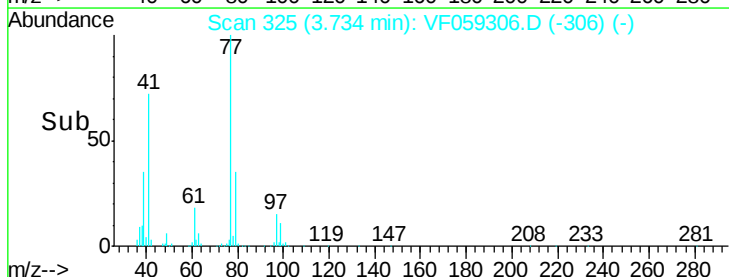
40000

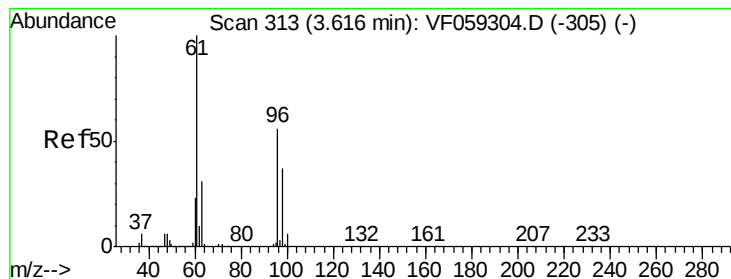
20000

0

3.60 3.65 3.70 3.75

Time-->



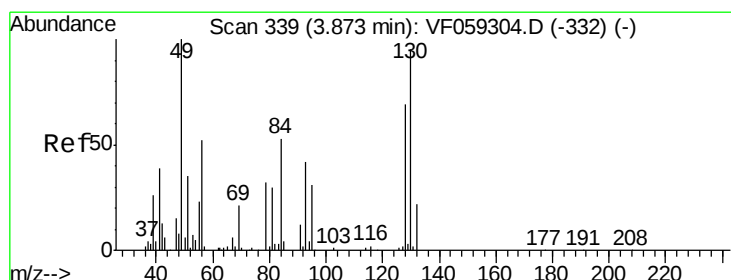
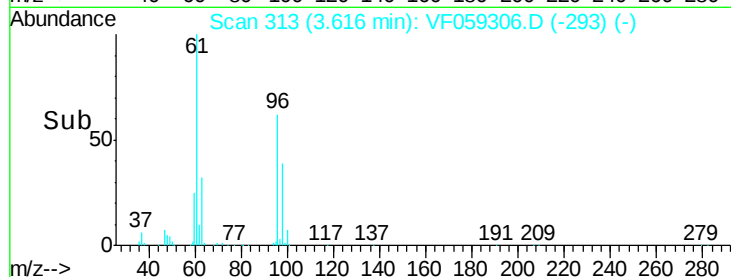
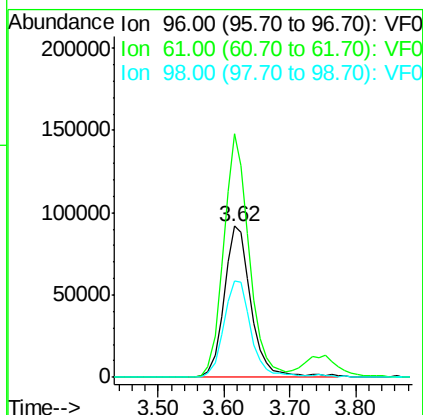
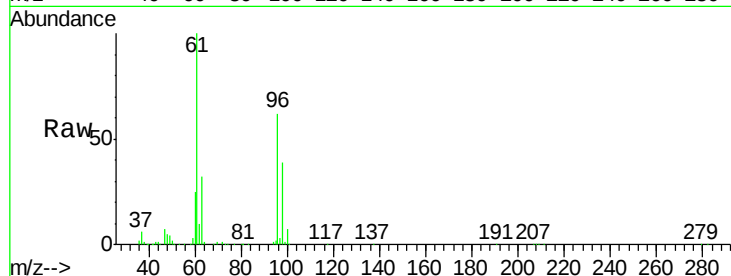


#27

cis-1,2-Dichloroethene
Concen: 86.984 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

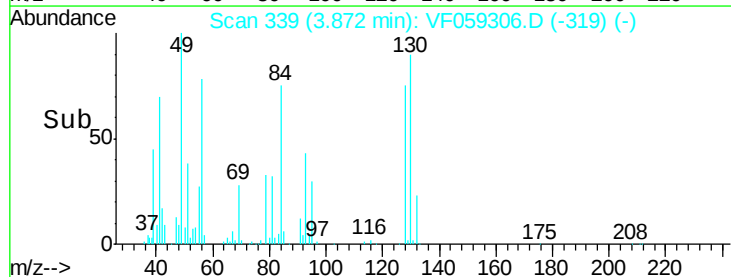
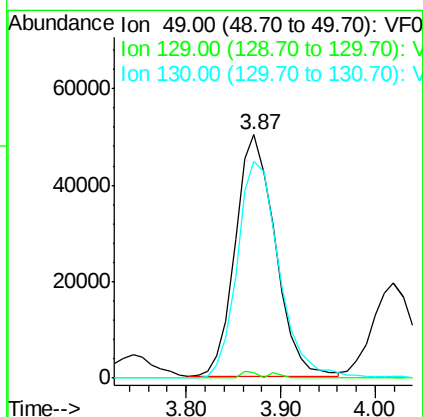
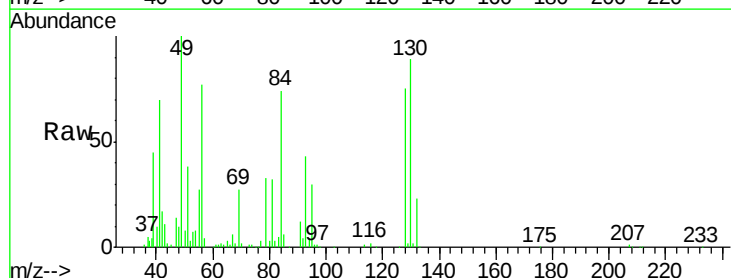
Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	355.4
98	63.4	0.0	131.0

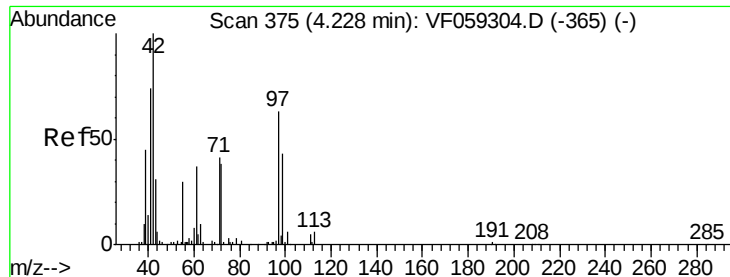


#28

Bromochloromethane
Concen: 73.407 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.4
130	89.2	75.1	112.7

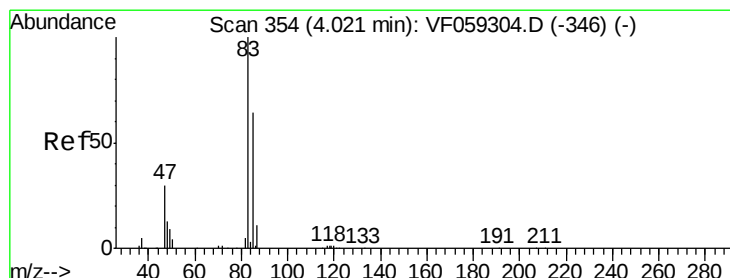
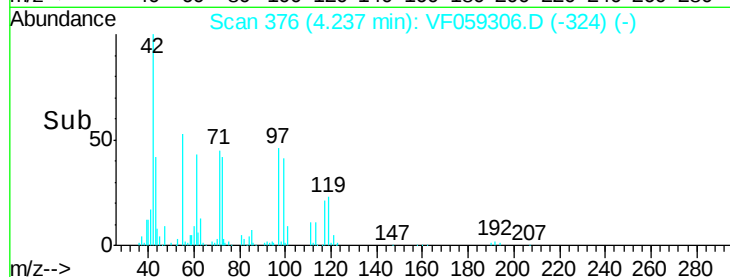
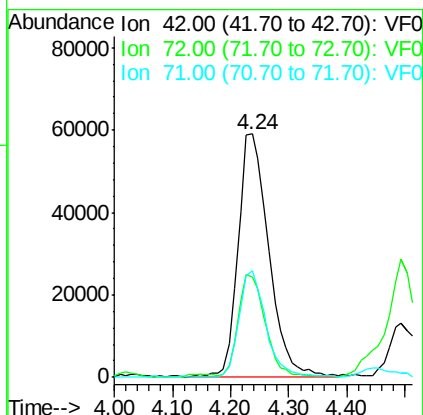
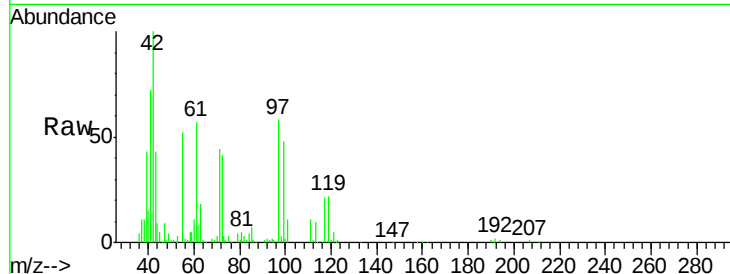




#29
Tetrahydrofuran
Concen: 386.309 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

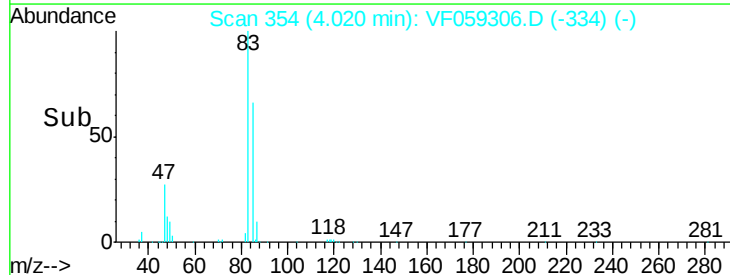
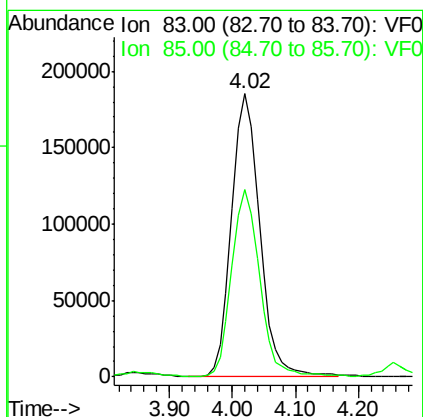
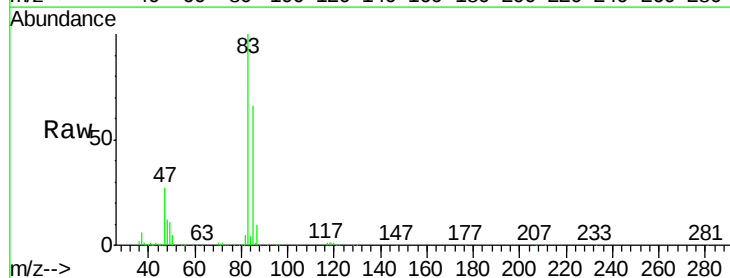
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

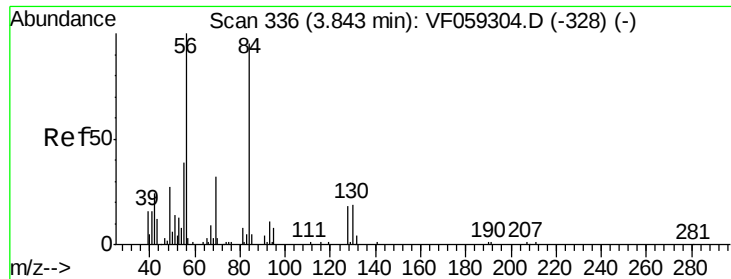
Tgt Ion: 42 Resp: 214793
Ion Ratio Lower Upper
42 100
72 37.7 30.5 45.7
71 39.0 32.5 48.7



#30
Chloroform
Concen: 83.660 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 83 Resp: 579241
Ion Ratio Lower Upper
83 100
85 66.3 51.3 76.9

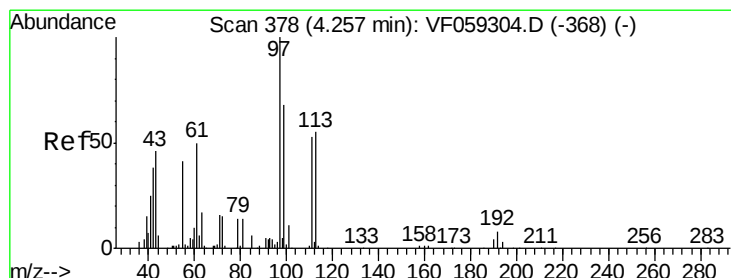
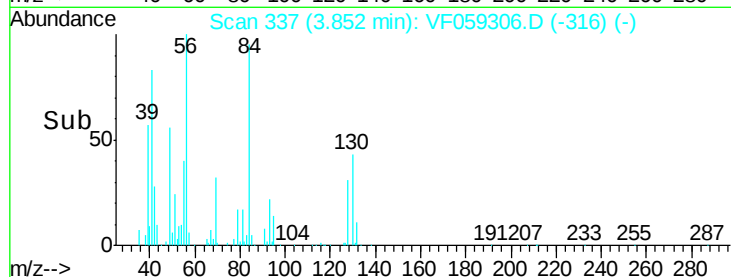
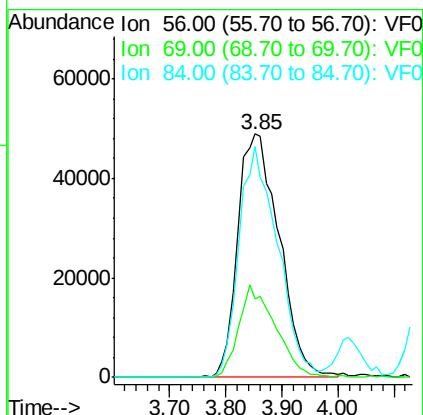
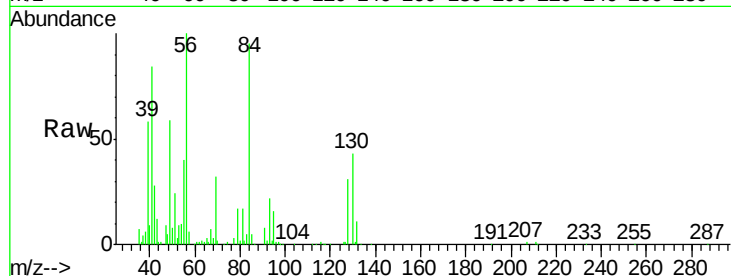




#31
Cyclohexane
Concen: 76.938 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

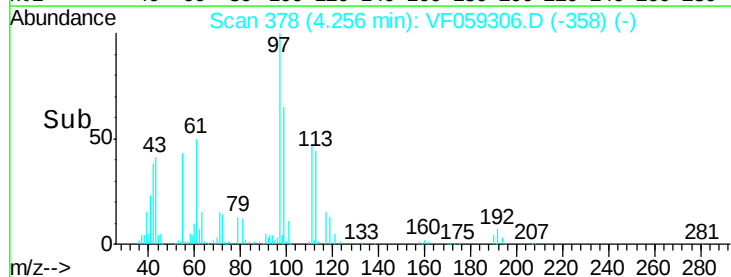
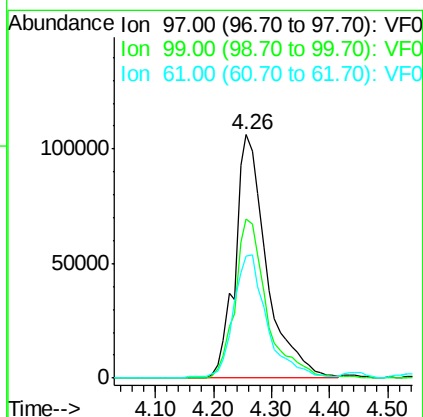
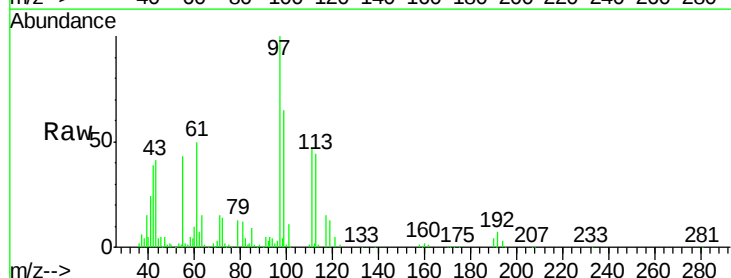
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

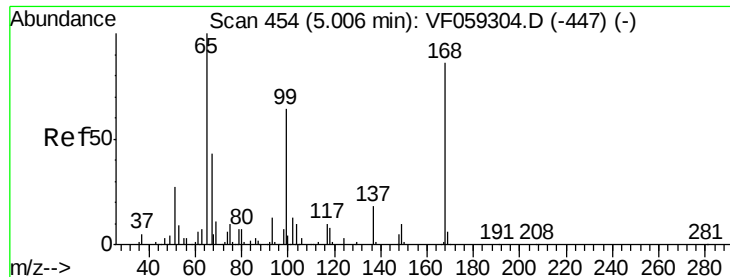
Tgt Ion: 56 Resp: 249723
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.8
84 95.0 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 77.376 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 97 Resp: 401818
Ion Ratio Lower Upper
97 100
99 65.5 54.1 81.1
61 50.0 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 82.793 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

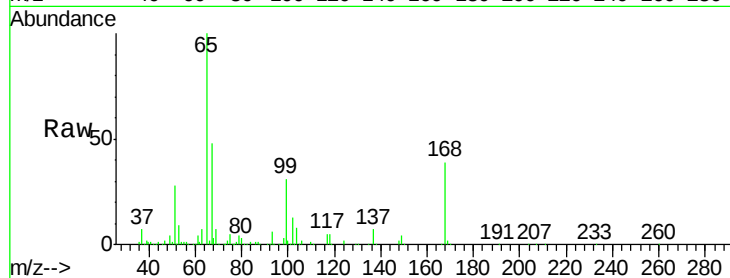
VSTDIC100

Tgt Ion: 65 Resp: 322481

Ion Ratio Lower Upper

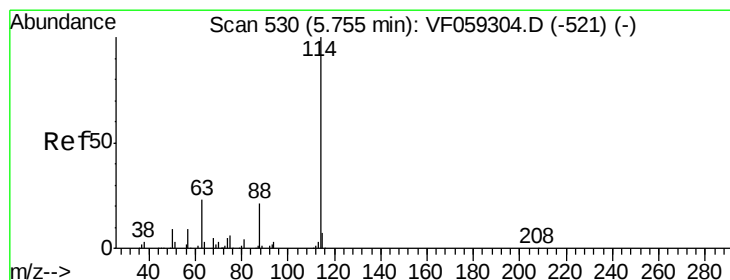
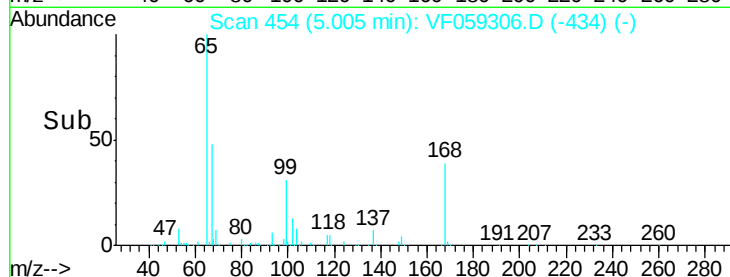
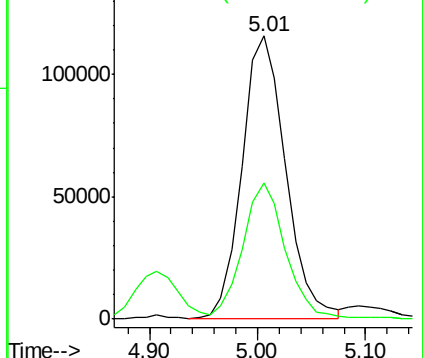
65 100

67 48.0 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# 530

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

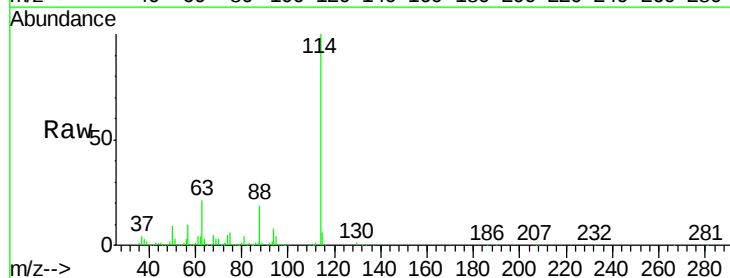
Tgt Ion: 114 Resp: 424186

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.8

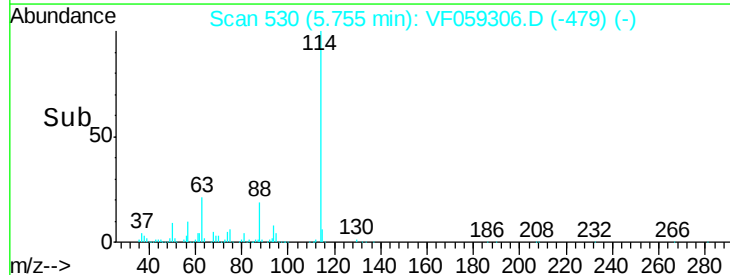
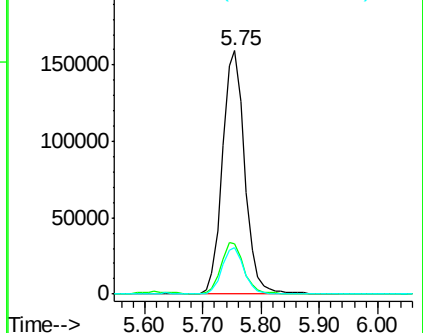
88 19.0 0.0 41.2

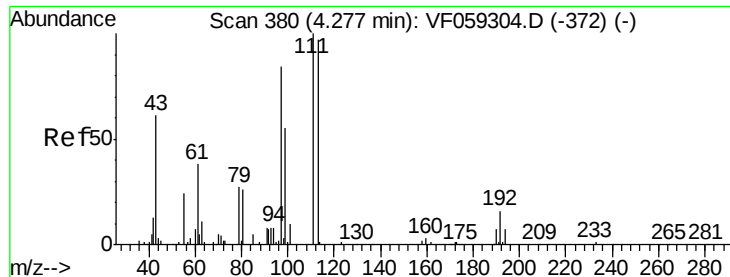


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 79.884 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

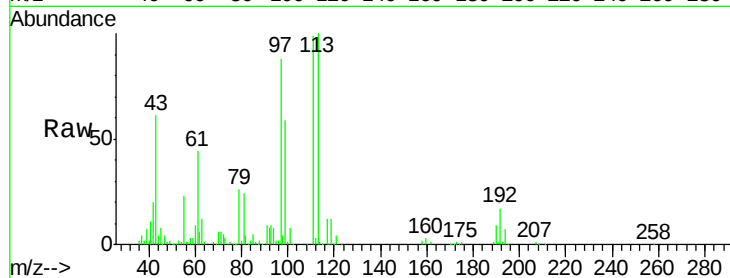
Tgt Ion:113 Resp: 278403

Ion Ratio Lower Upper

113 100

111 99.0 82.1 123.1

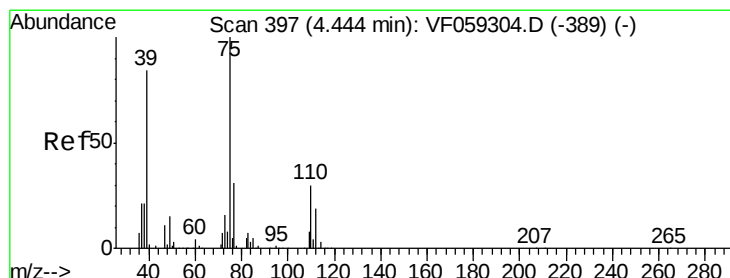
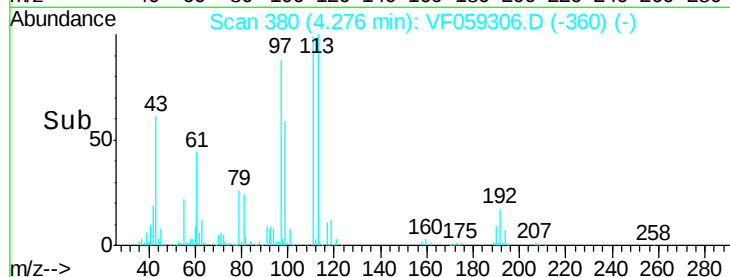
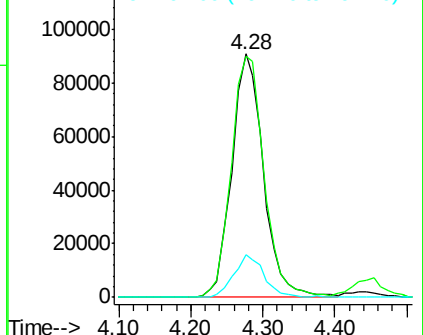
192 17.3 13.0 19.6



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: 83.681 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

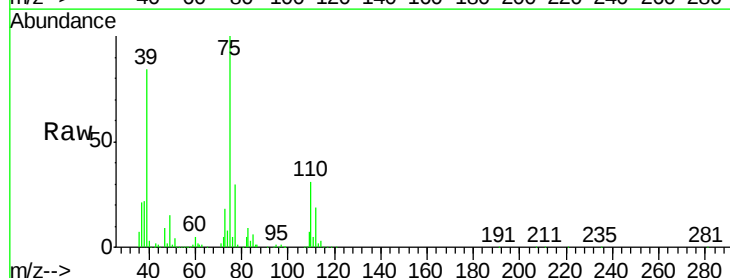
Tgt Ion: 75 Resp: 359348

Ion Ratio Lower Upper

75 100

110 30.6 14.8 44.4

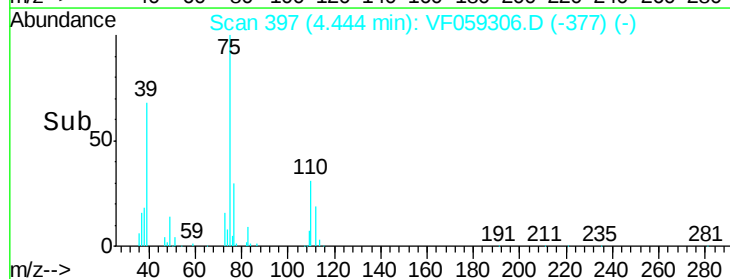
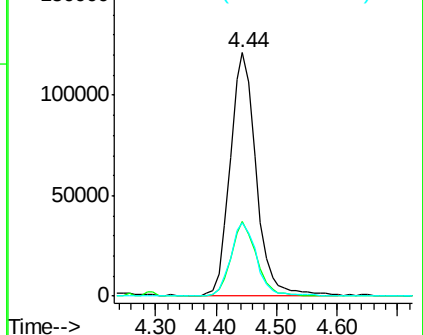
77 30.1 25.2 37.8

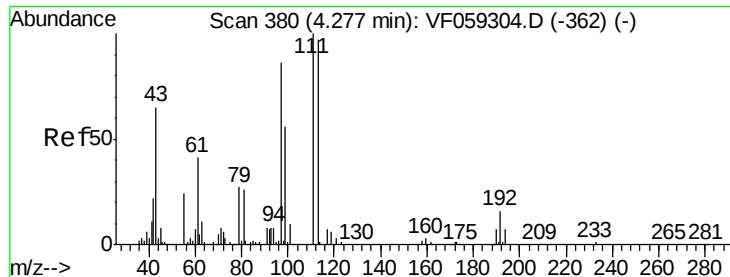


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 77.443 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

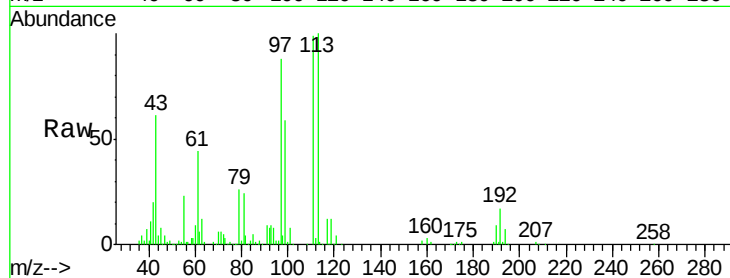
Tgt Ion: 43 Resp: 218640

Ion Ratio Lower Upper

43 100

61 71.7 50.1 75.1

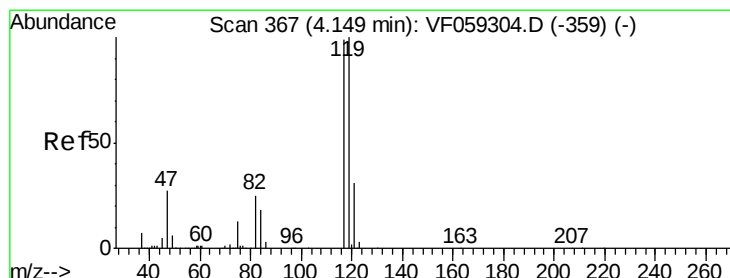
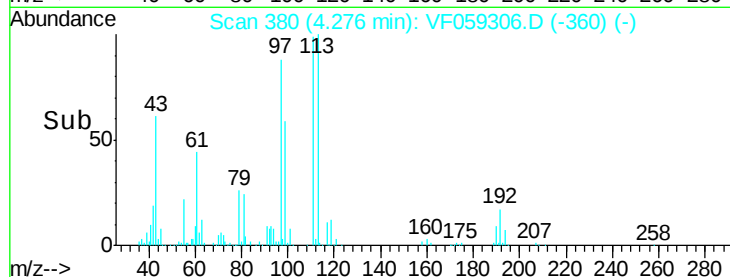
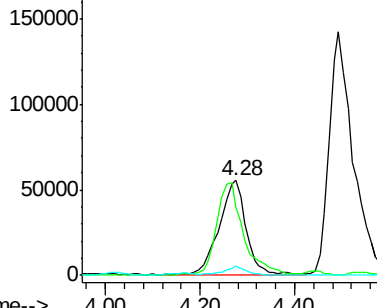
70 9.4 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 83.862 ug/l

RT: 4.16 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

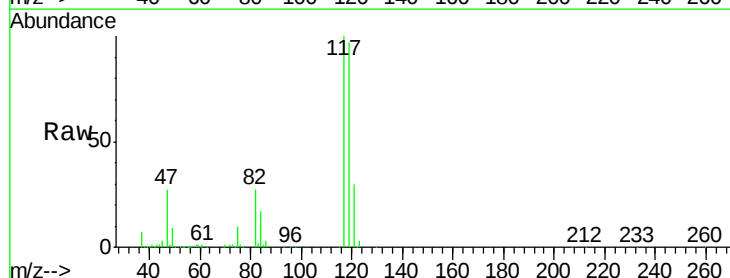
Tgt Ion: 117 Resp: 444255

Ion Ratio Lower Upper

117 100

119 97.3 81.0 121.4

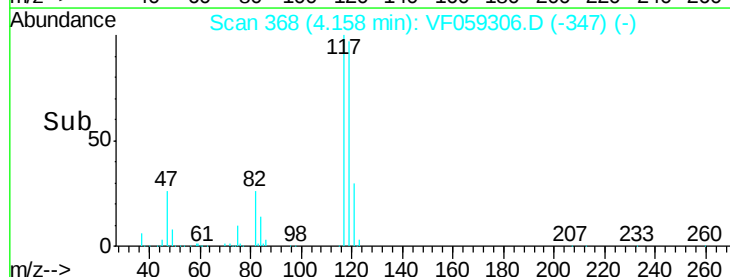
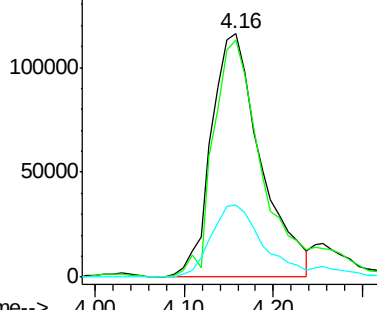
121 29.6 24.7 37.1

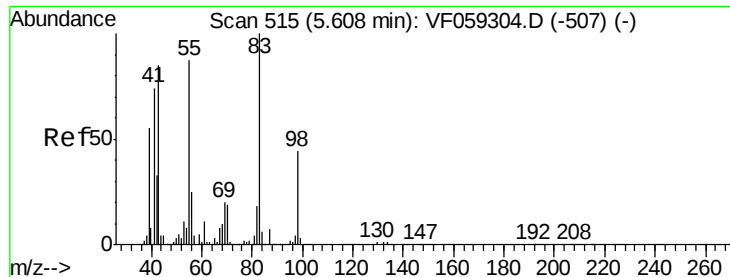


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

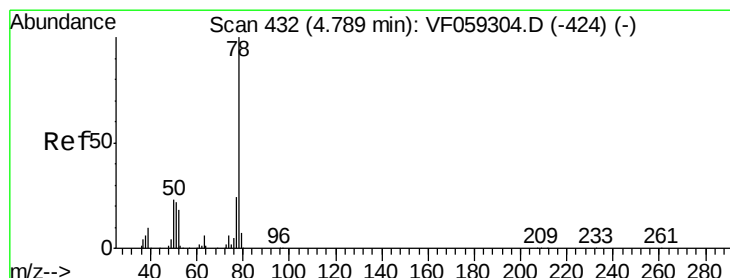
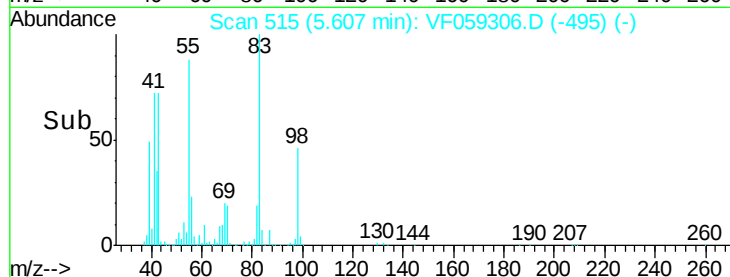
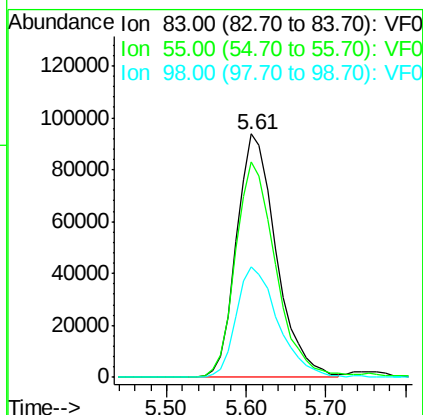
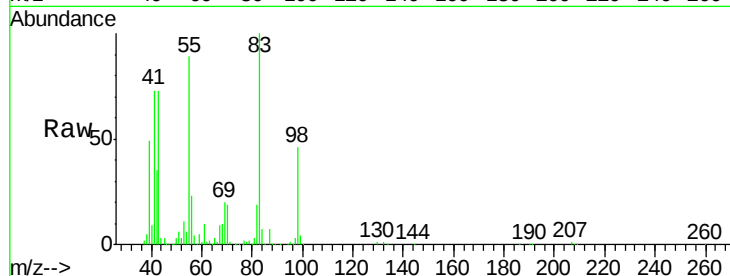




#39
Methylcyclohexane
Concen: 84.001 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

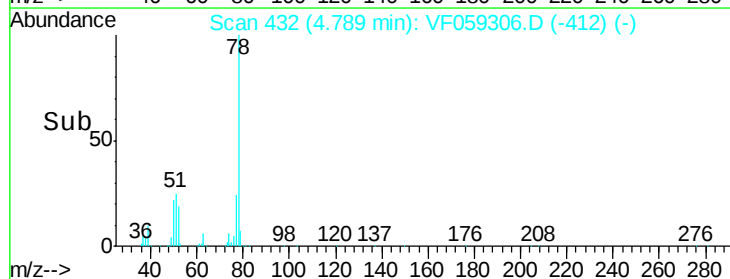
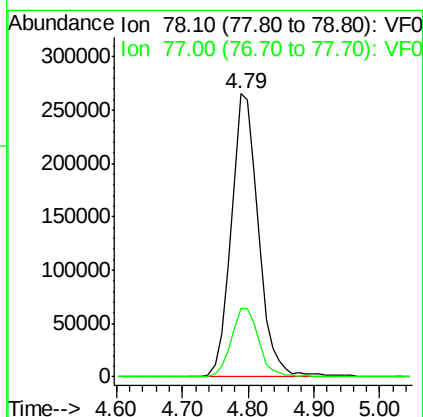
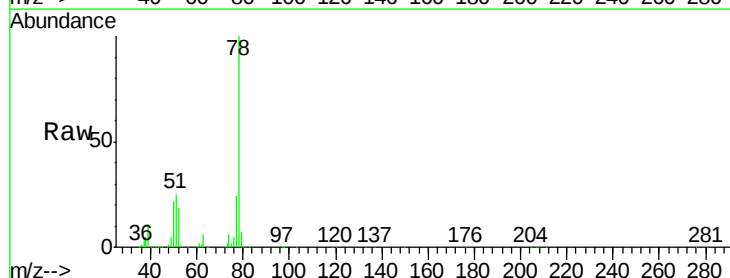
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

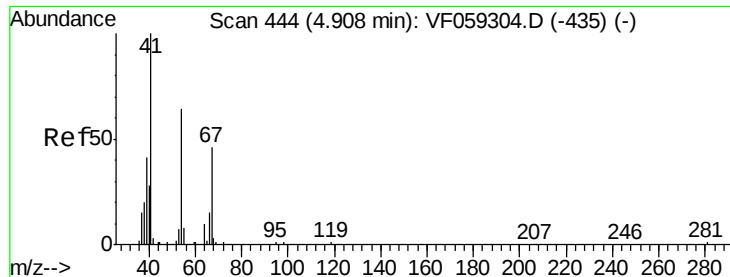
Tgt Ion: 83 Resp: 324349
Ion Ratio Lower Upper
83 100
55 88.5 69.2 103.8
98 45.6 35.0 52.6



#40
Benzene
Concen: 83.971 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 78 Resp: 771316
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4





#41

Methacrylonitrile

Concen: 85.136 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 114428

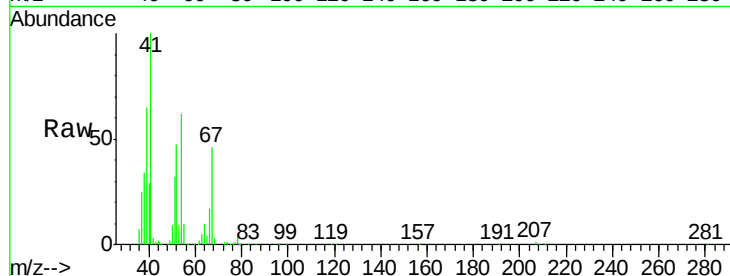
Ion Ratio Lower Upper

41 100

39 64.5 50.0 75.0

67 46.4 37.0 55.6

52 46.7 37.1 55.7

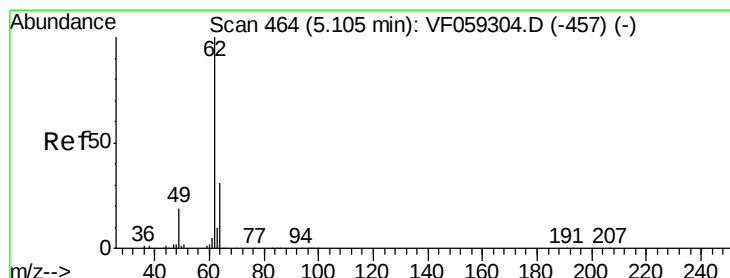
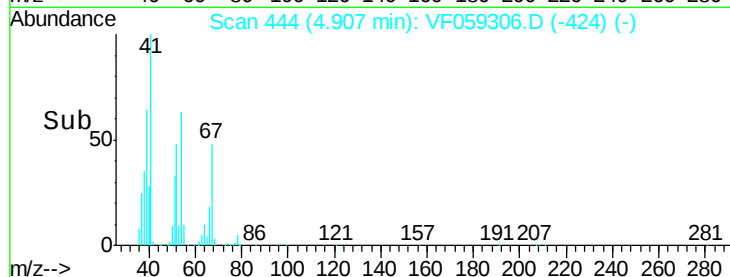
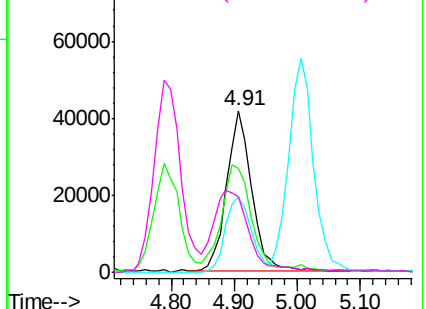


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 87.406 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.00 min

Lab File: VF059306.D

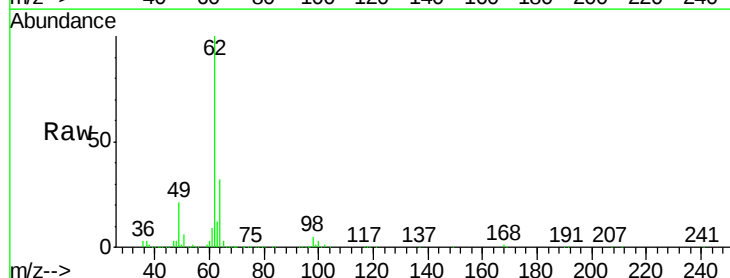
Acq: 25 Jun 2018 17:09

Tgt Ion: 62 Resp: 461132

Ion Ratio Lower Upper

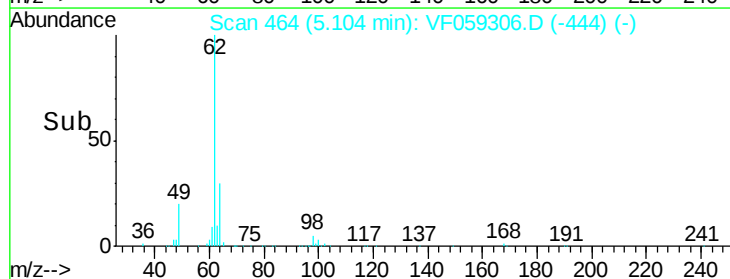
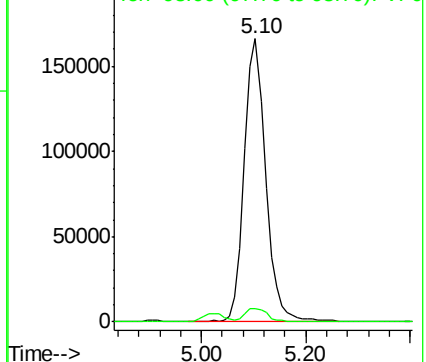
62 100

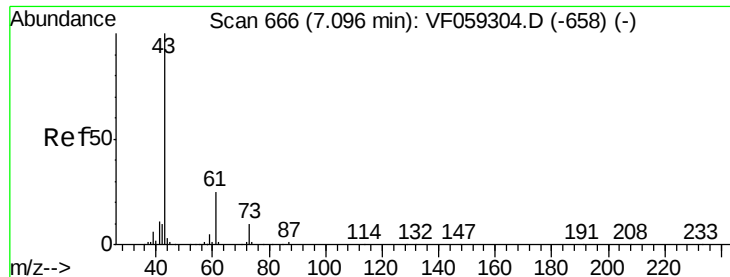
98 4.9 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 87.859 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

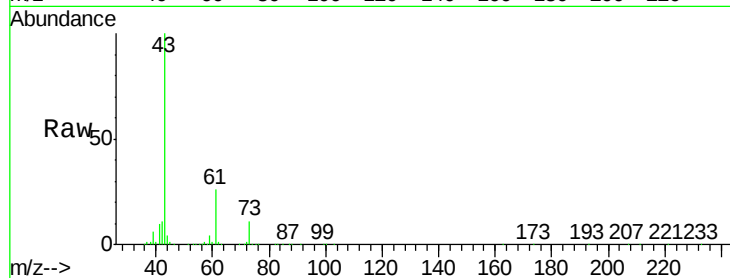
Tgt Ion: 43 Resp: 298486

Ion Ratio Lower Upper

43 100

61 25.9 19.7 29.5

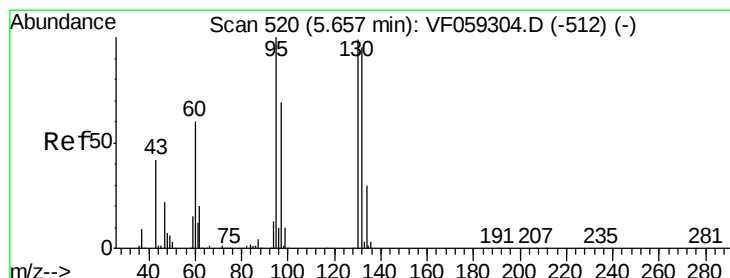
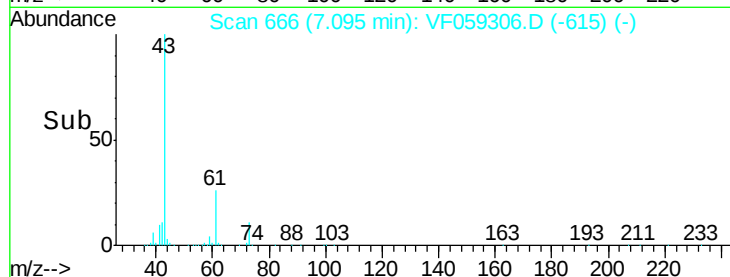
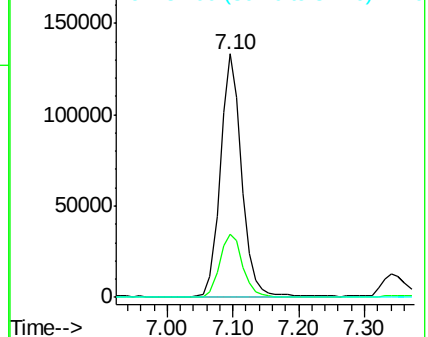
87 0.3 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 82.310 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF059306.D

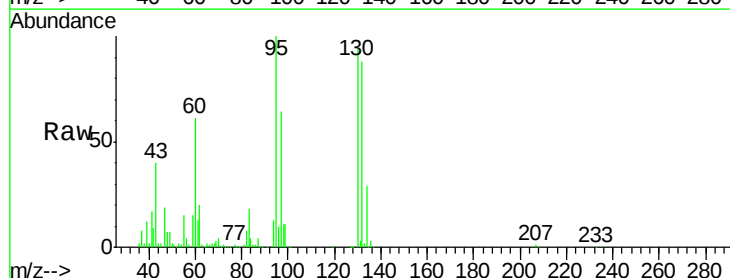
Acq: 25 Jun 2018 17:09

Tgt Ion: 130 Resp: 259998

Ion Ratio Lower Upper

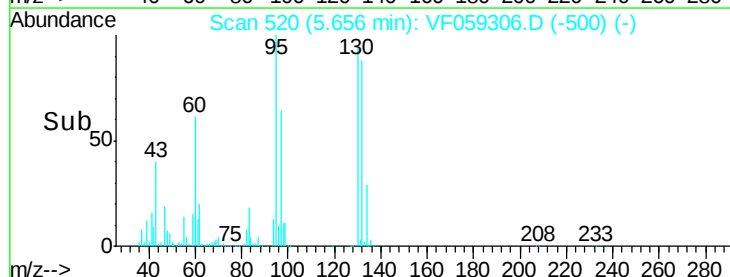
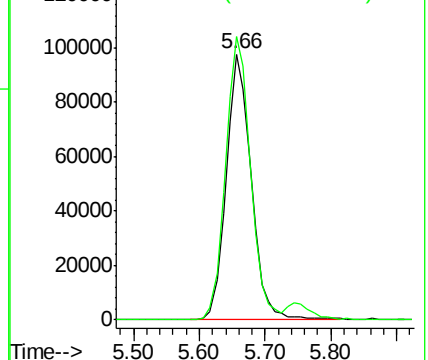
130 100

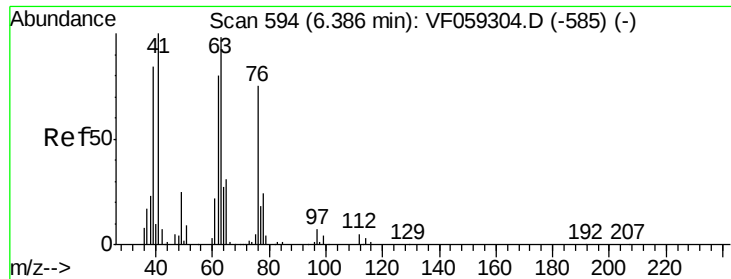
95 106.5 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 79.757 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

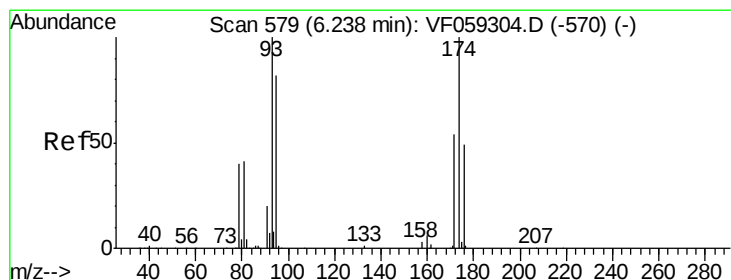
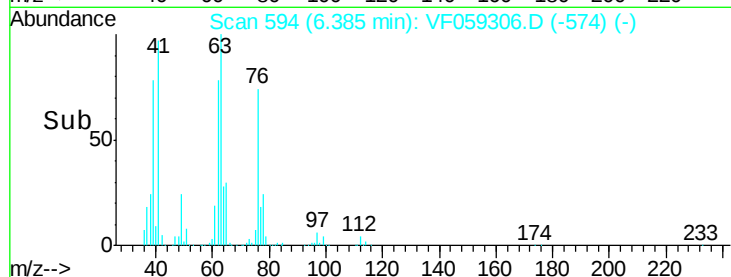
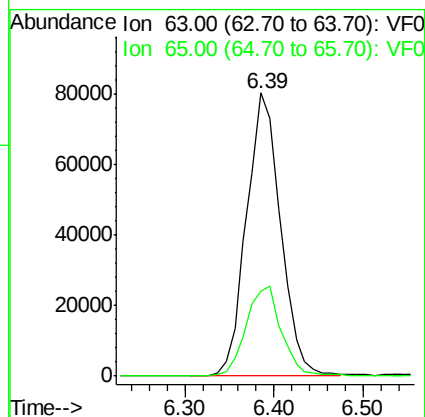
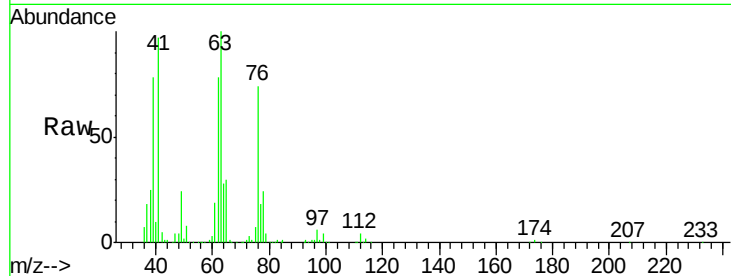
VSTDIC100

Tgt Ion: 63 Resp: 212430

Ion Ratio Lower Upper

63 100

65 30.0 25.3 37.9



#46

Dibromomethane

Concen: 88.866 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

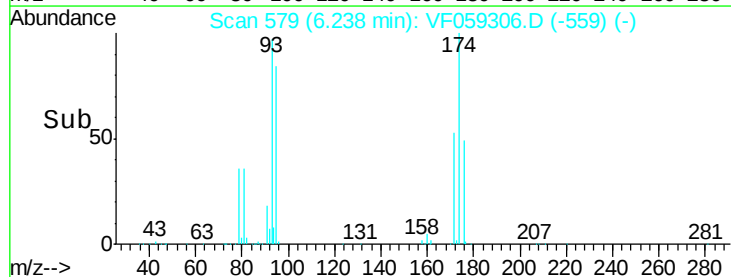
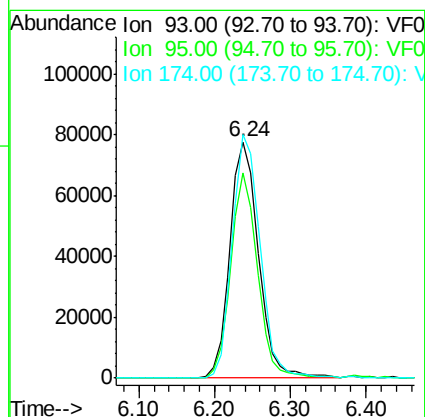
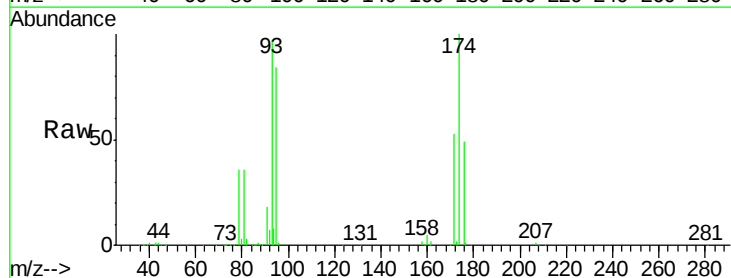
Tgt Ion: 93 Resp: 203118

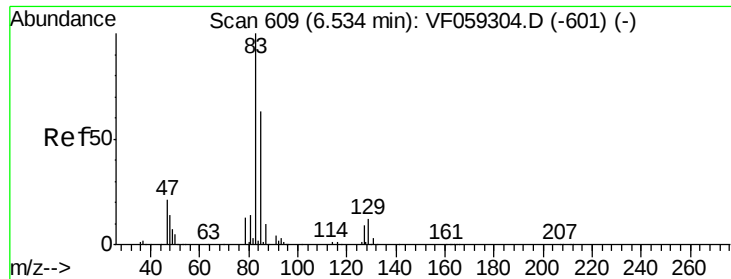
Ion Ratio Lower Upper

93 100

95 87.0 65.6 98.4

174 103.0 80.0 120.0





#47

Bromodichloromethane

Concen: 90.067 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

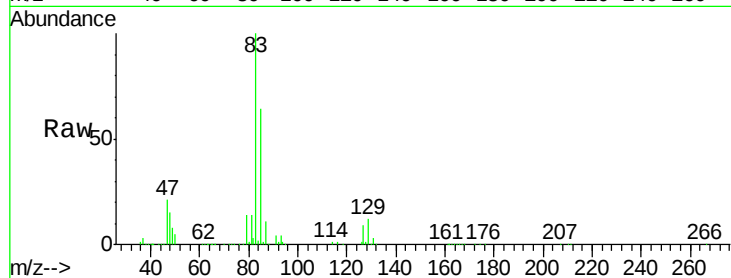
Tgt Ion: 83 Resp: 490793

Ion Ratio Lower Upper

83 100

85 63.9 50.2 75.2

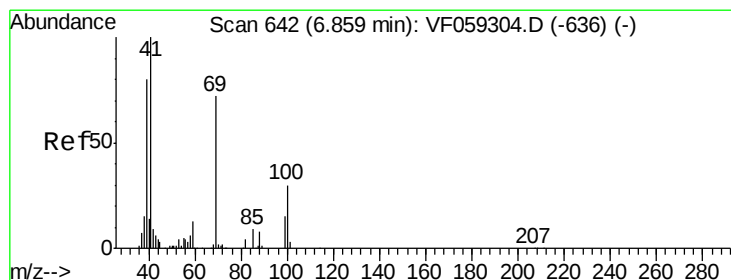
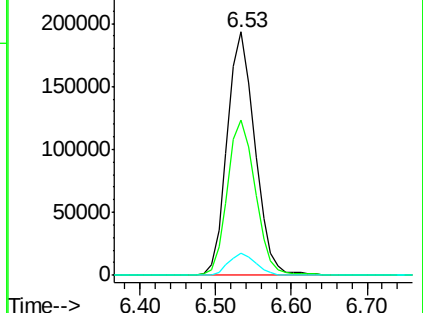
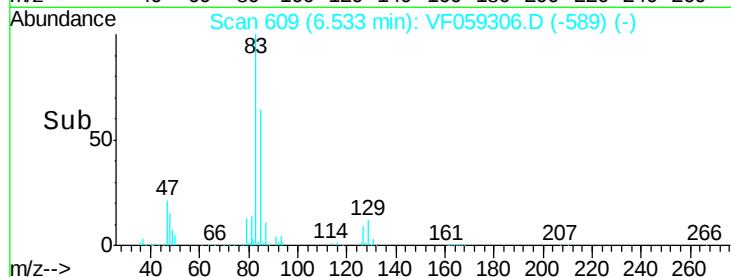
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 92.940 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

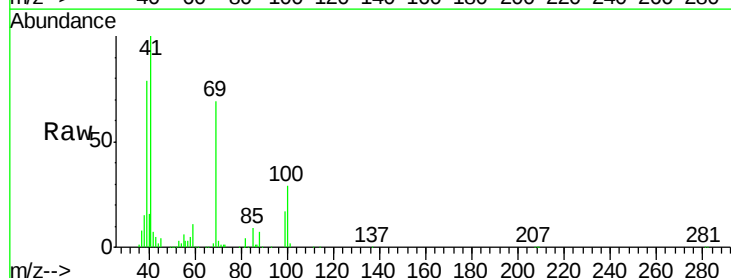
Tgt Ion: 41 Resp: 202125

Ion Ratio Lower Upper

41 100

69 68.9 57.3 85.9

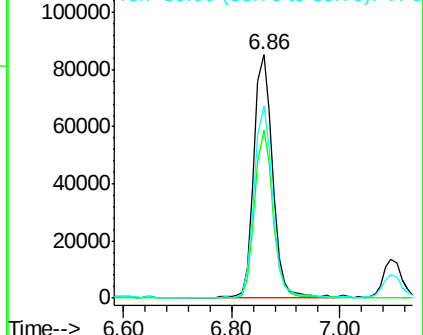
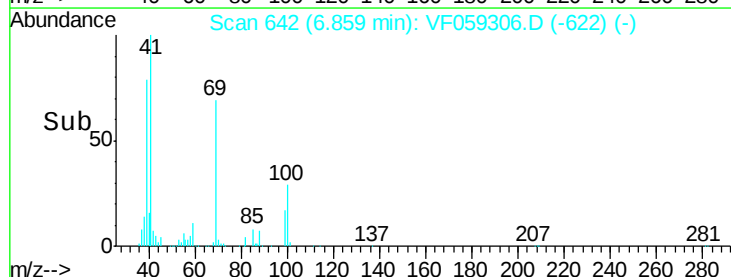
39 79.1 64.4 96.6

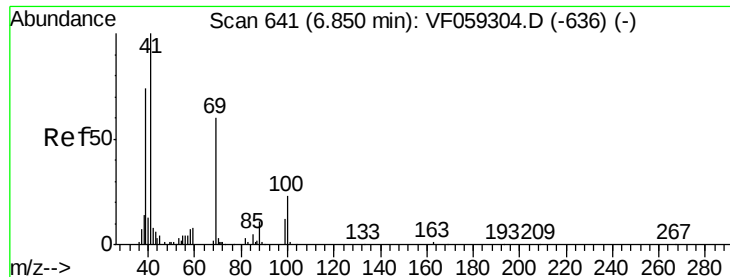


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1616.443 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

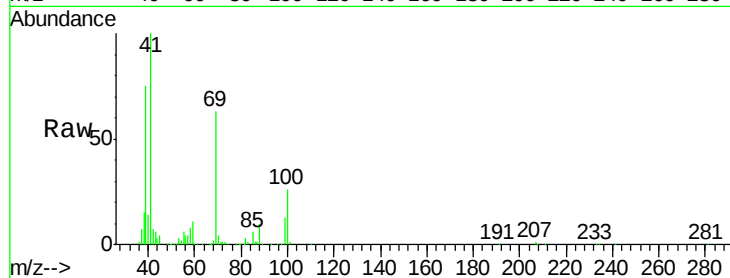
Tgt Ion: 88 Resp: 20600

Ion Ratio Lower Upper

88 100

43 63.7 50.6 75.8

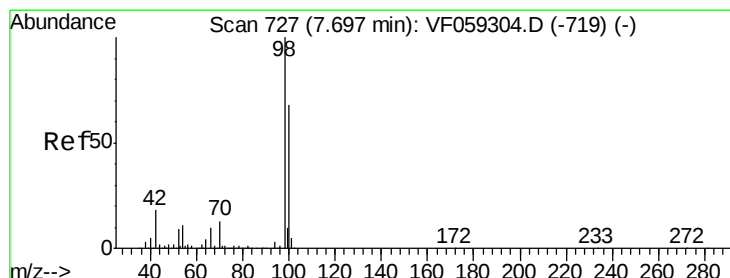
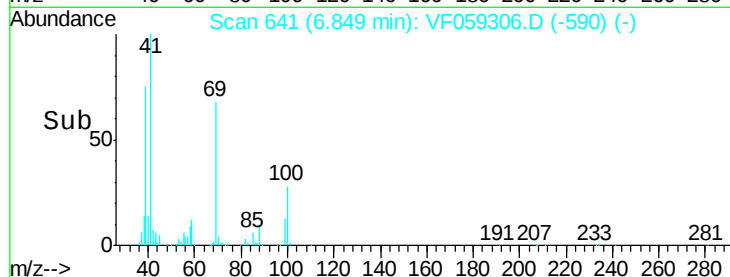
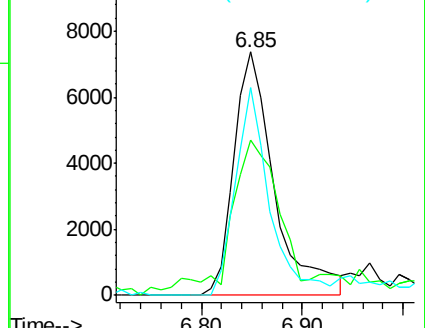
58 85.2 46.6 69.8#



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: 83.363 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059306.D

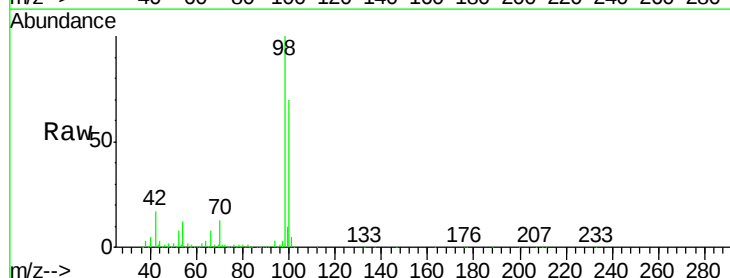
Acq: 25 Jun 2018 17:09

Tgt Ion: 98 Resp: 735657

Ion Ratio Lower Upper

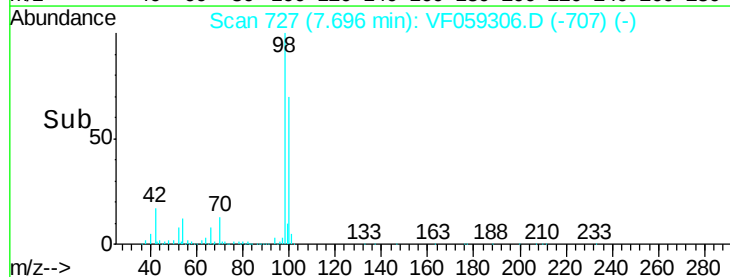
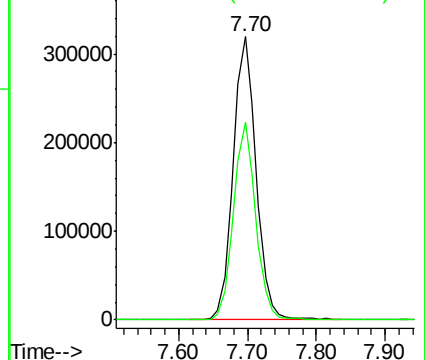
98 100

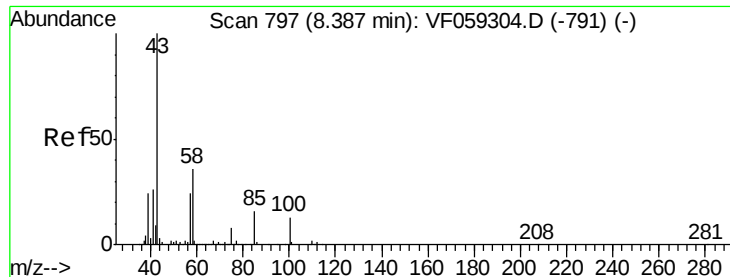
100 70.0 54.6 82.0



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: 399.071 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

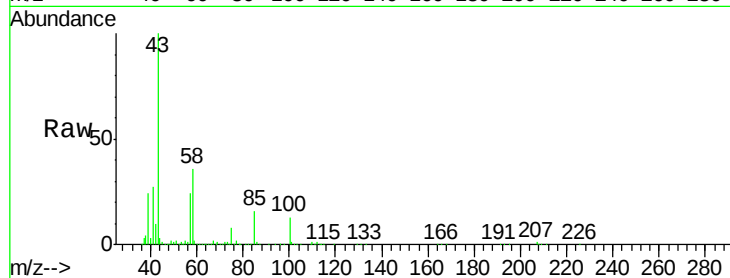
VSTDIC100

Tgt Ion: 43 Resp: 979011

Ion Ratio Lower Upper

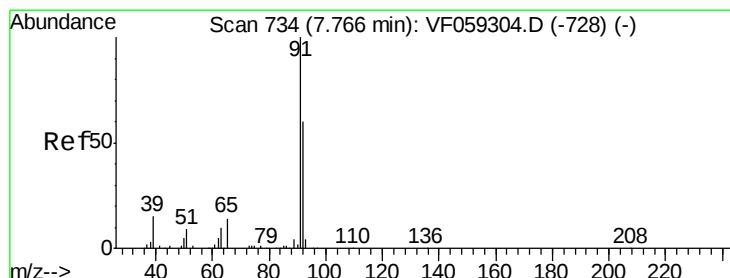
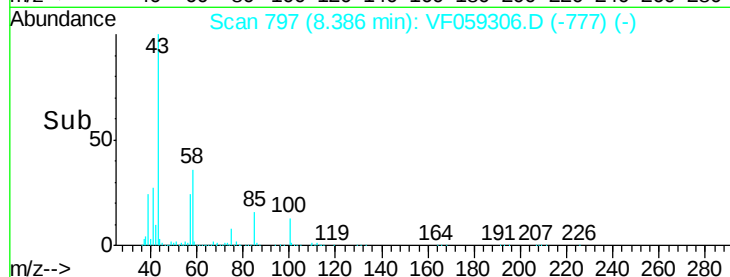
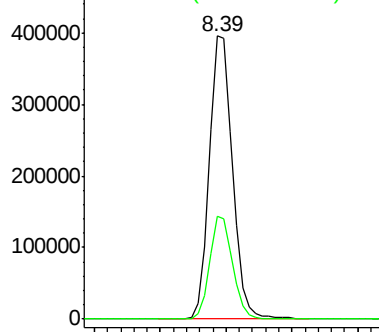
43 100

58 36.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 80.822 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059306.D

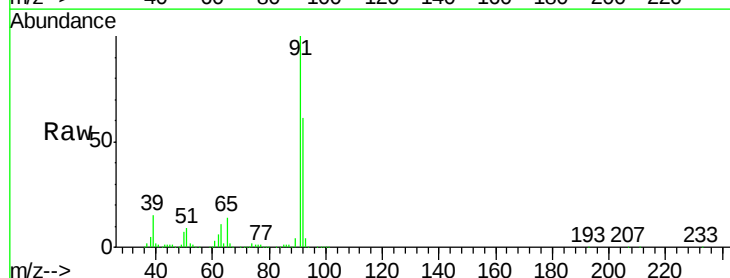
Acq: 25 Jun 2018 17:09

Tgt Ion: 92 Resp: 574264

Ion Ratio Lower Upper

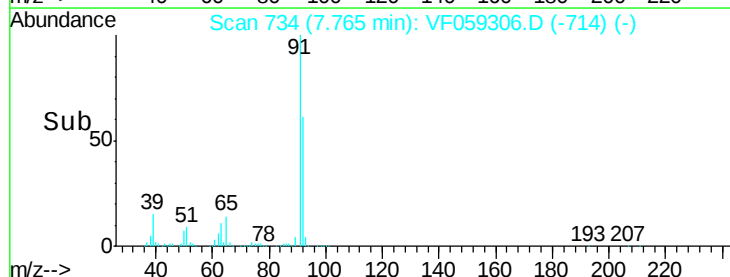
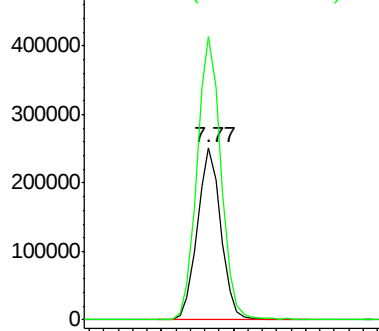
92 100

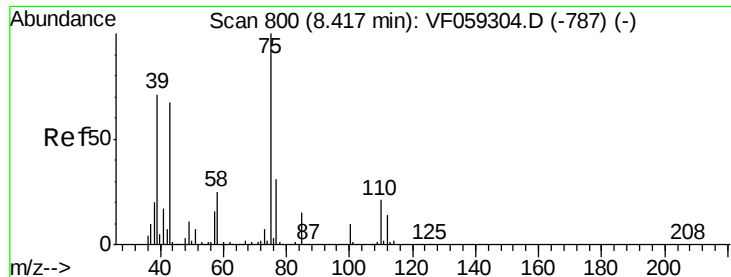
91 164.1 132.8 199.2



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: 85.305 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

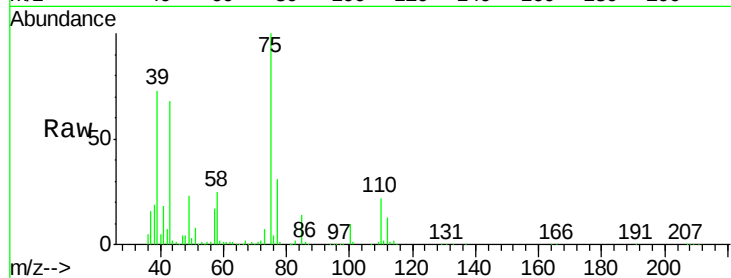
VSTDIC100

Tgt Ion: 75 Resp: 434193

Ion Ratio Lower Upper

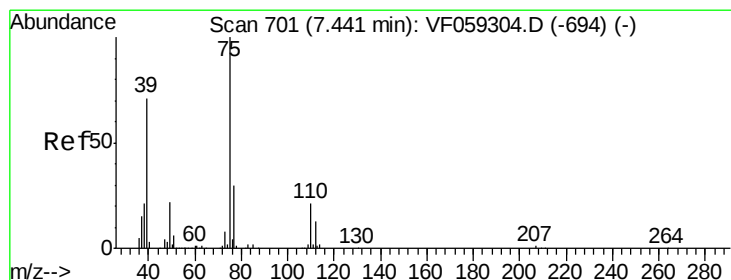
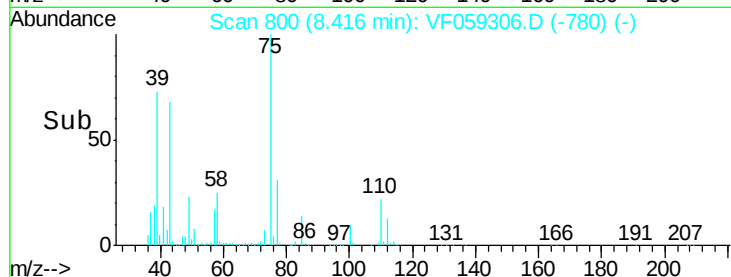
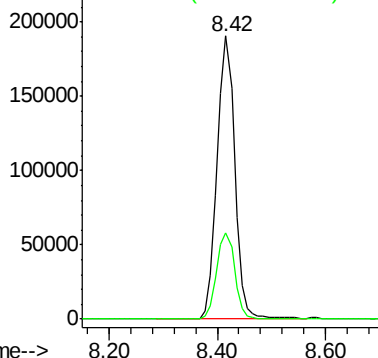
75 100

77 30.7 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: 86.950 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

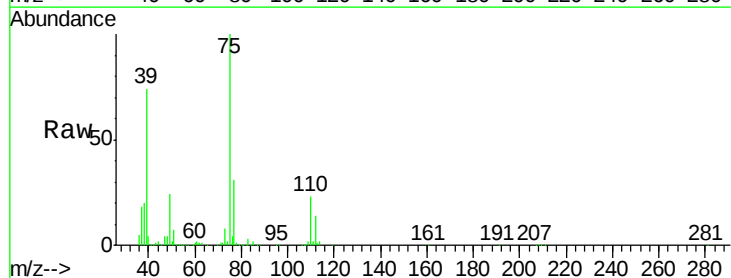
Tgt Ion: 75 Resp: 470537

Ion Ratio Lower Upper

75 100

77 30.9 24.3 36.5

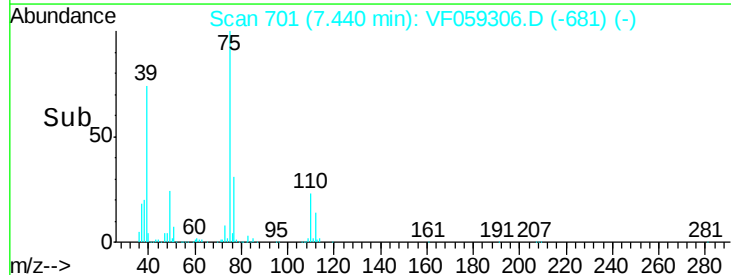
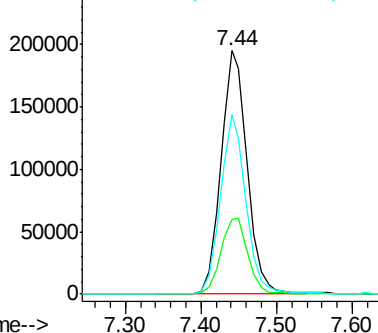
39 74.0 57.2 85.8

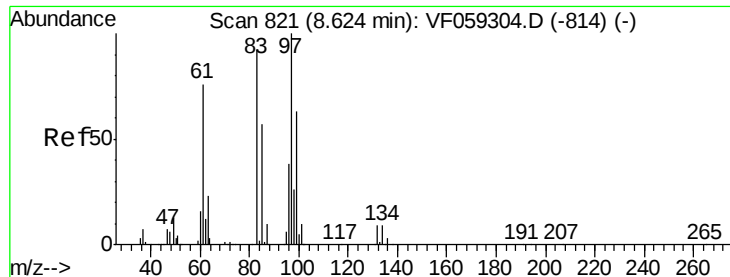


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 84.495 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 232003

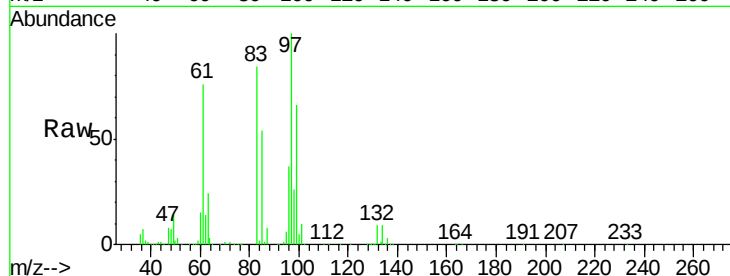
Ion Ratio Lower Upper

97 100

83 84.3 73.8 110.8

85 54.4 45.5 68.3

99 66.4 50.7 76.1

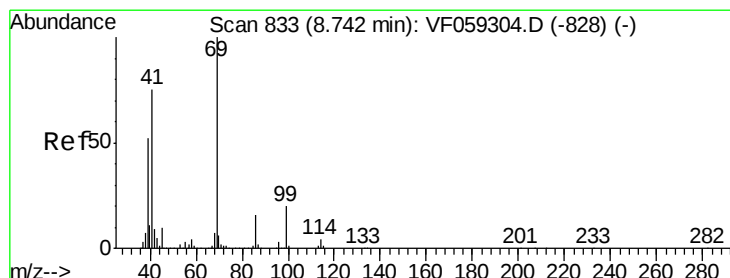
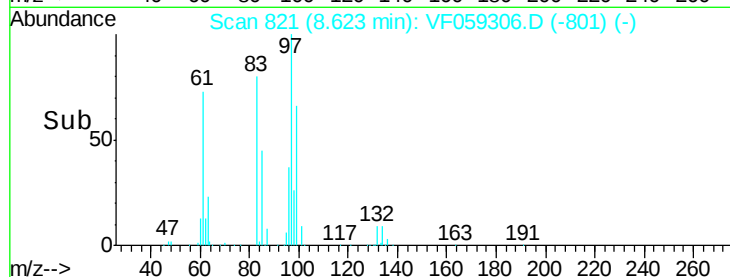
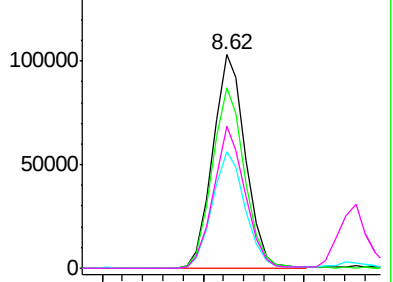


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 91.755 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

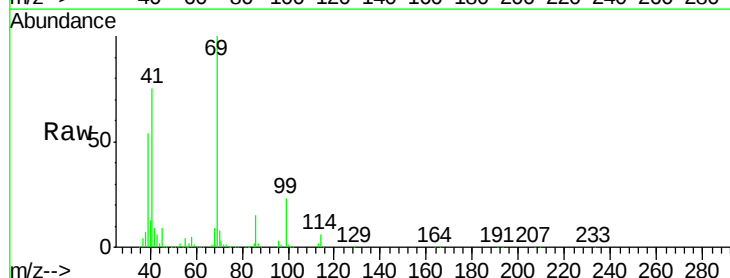
Tgt Ion: 69 Resp: 289496

Ion Ratio Lower Upper

69 100

41 74.6 60.3 90.5

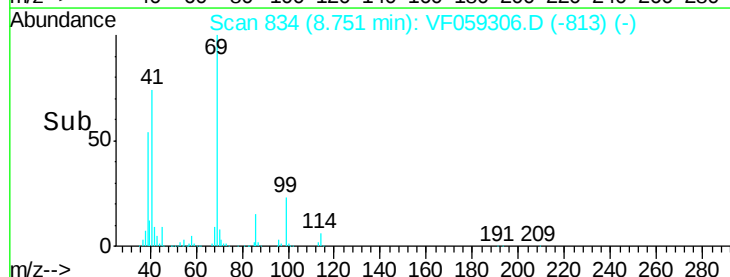
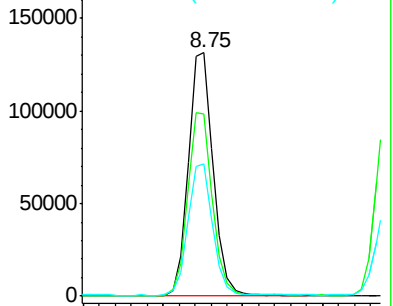
39 54.1 42.2 63.4

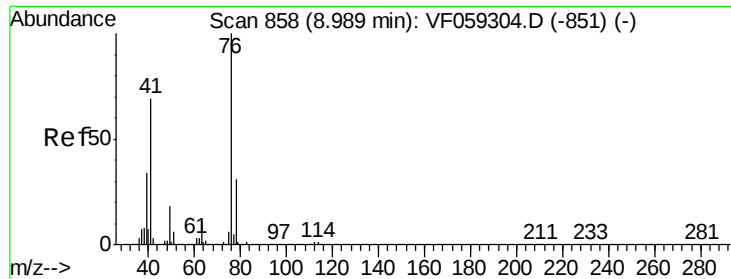


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

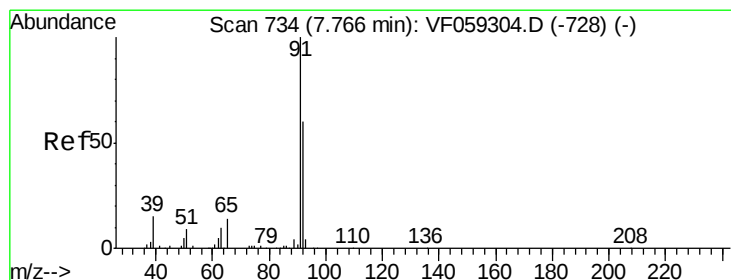
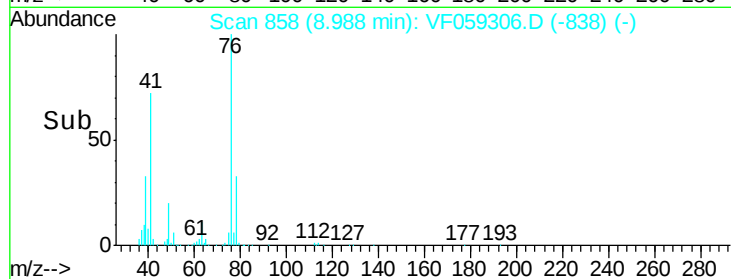
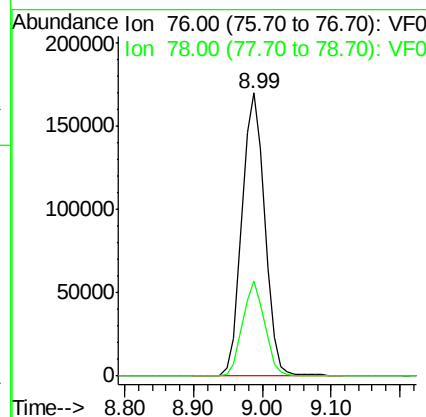
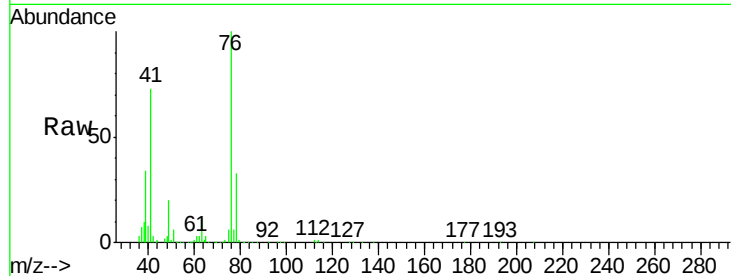




#57
 1,3-Dichloropropane
 Concen: 86.394 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

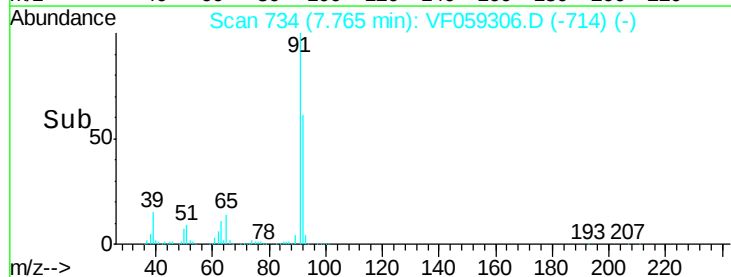
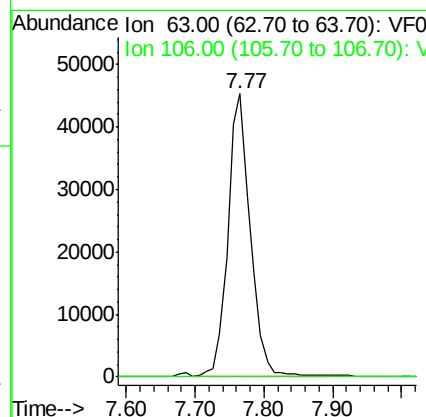
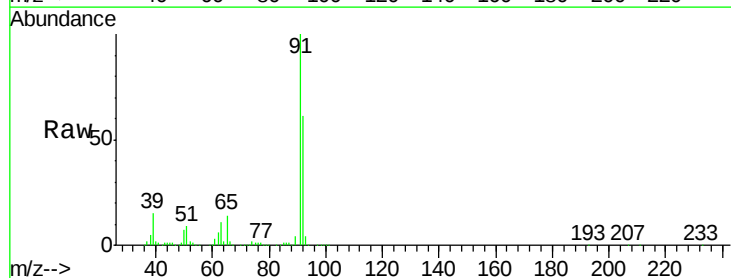
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

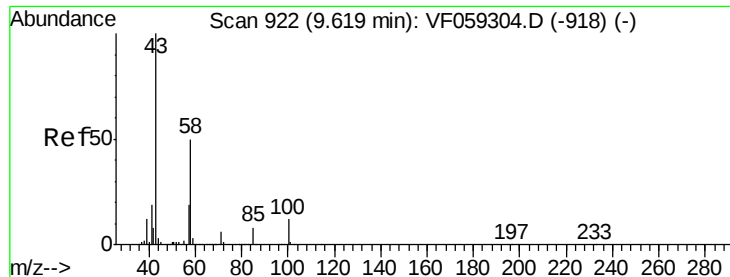
Tgt Ion: 76 Resp: 392338
 Ion Ratio Lower Upper
 76 100
 78 33.4 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 408.243 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion: 63 Resp: 102368
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

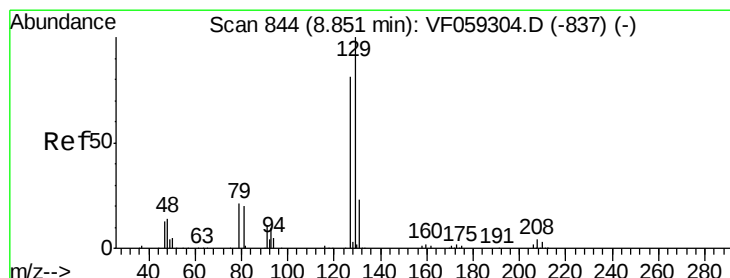
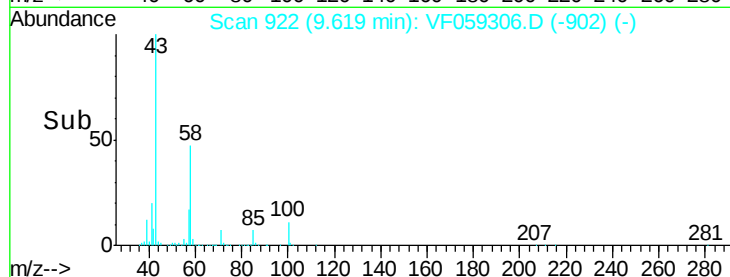
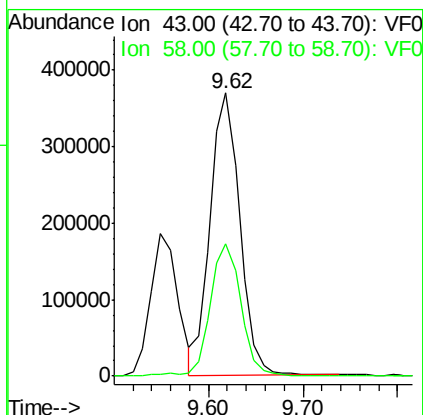
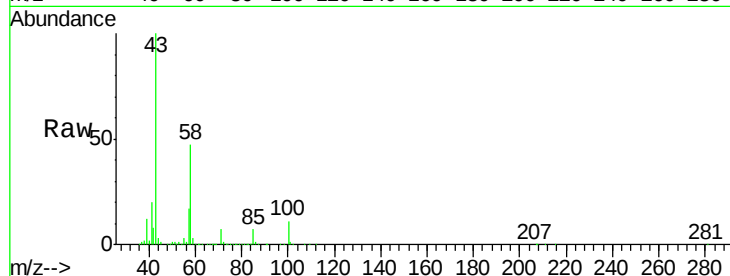




#59
2-Hexanone
Concen: 412.437 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

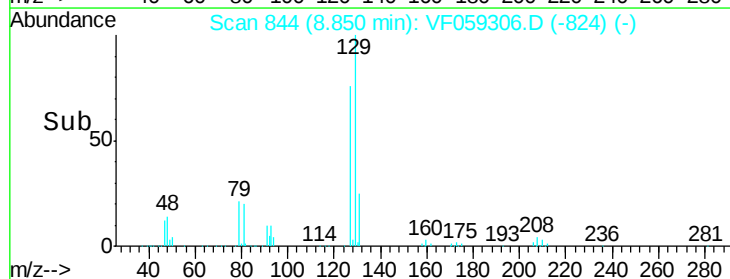
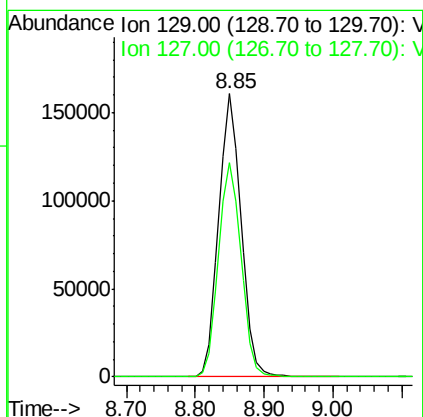
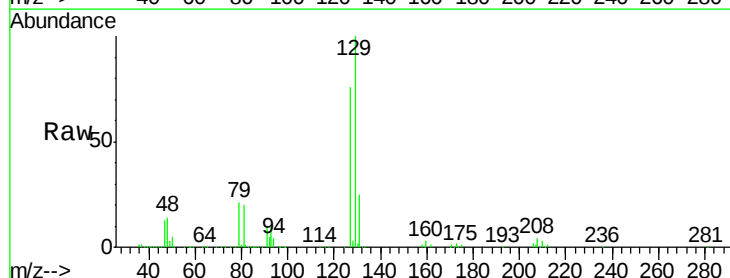
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

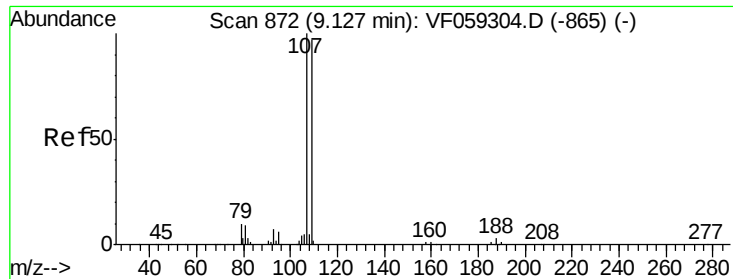
Tgt Ion: 43 Resp: 809366
Ion Ratio Lower Upper
43 100
58 47.0 23.3 69.9



#60
Dibromochloromethane
Concen: 90.074 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 129 Resp: 365959
Ion Ratio Lower Upper
129 100
127 75.9 40.7 122.1





#61

1,2-Dibromoethane

Concen: 89.731 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

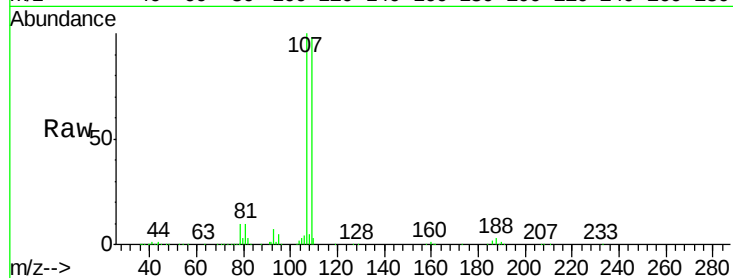
VSTDIC100

Tgt Ion: 107 Resp: 285936

Ion Ratio Lower Upper

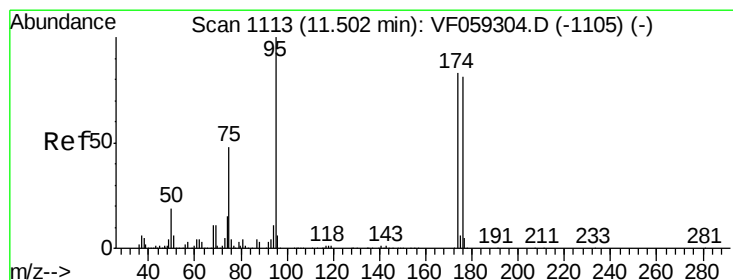
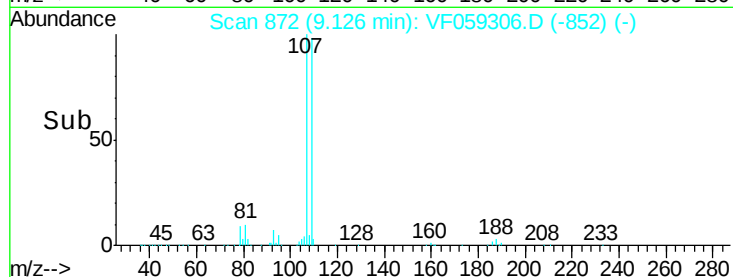
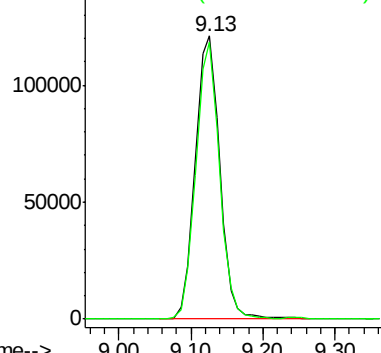
107 100

109 97.9 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 77.027 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

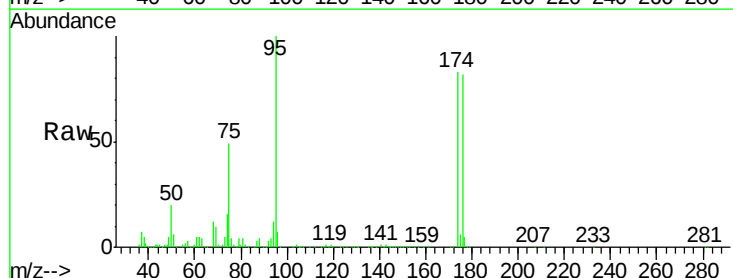
Tgt Ion: 95 Resp: 376658

Ion Ratio Lower Upper

95 100

174 83.2 0.0 165.2

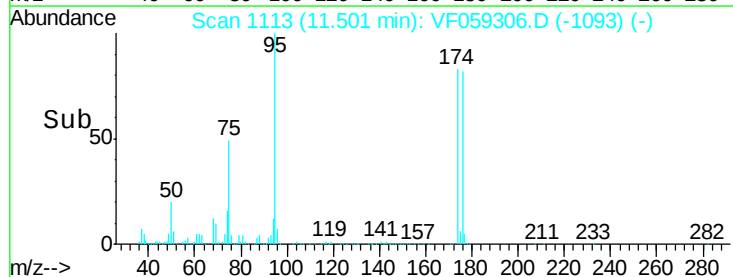
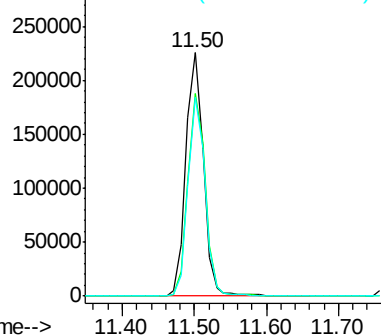
176 81.8 0.0 161.0

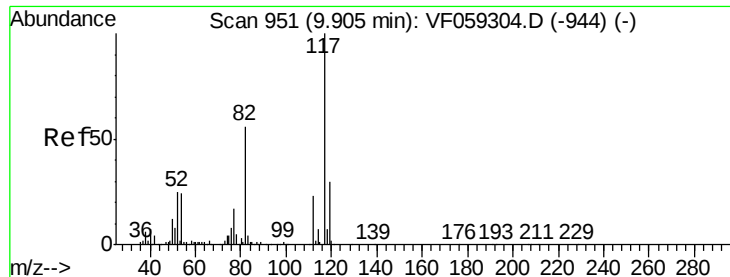


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

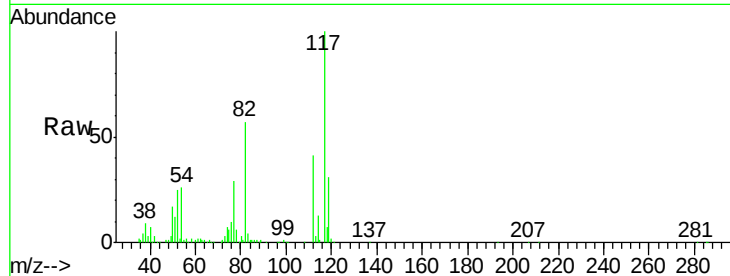




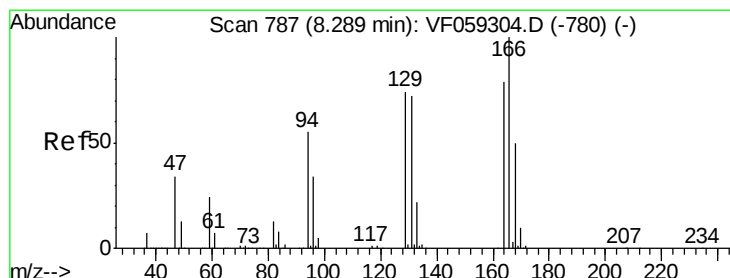
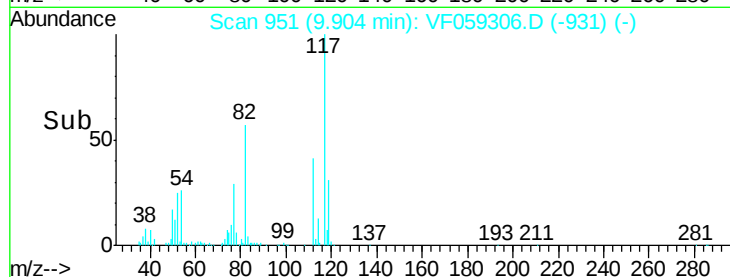
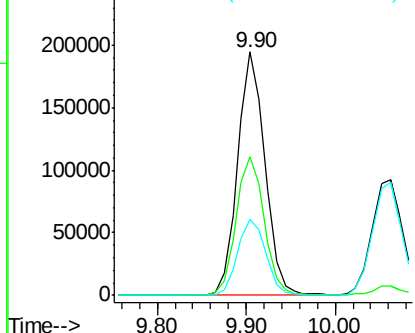
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 416594
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 31.0 24.1 36.1

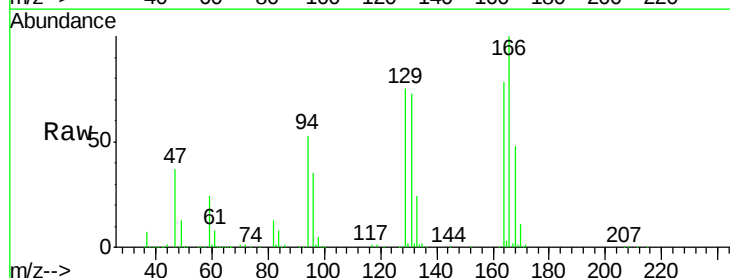


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

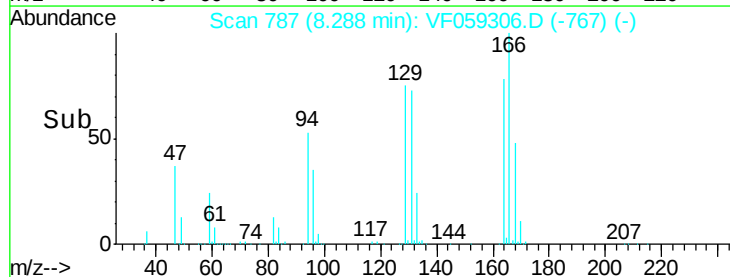
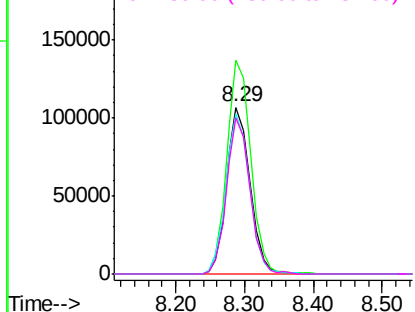


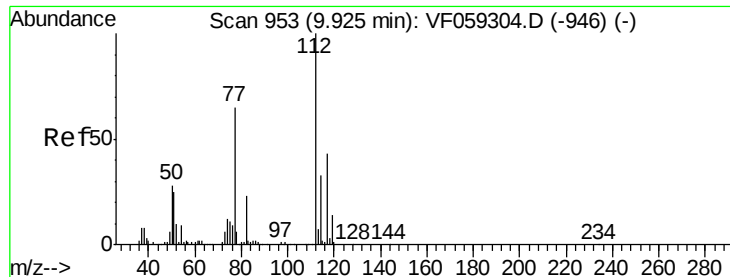
#64
Tetrachloroethene
Concen: 81.264 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion:164 Resp: 252490
Ion Ratio Lower Upper
164 100
166 128.2 101.1 151.7
129 96.3 75.0 112.4
131 93.7 73.3 109.9



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

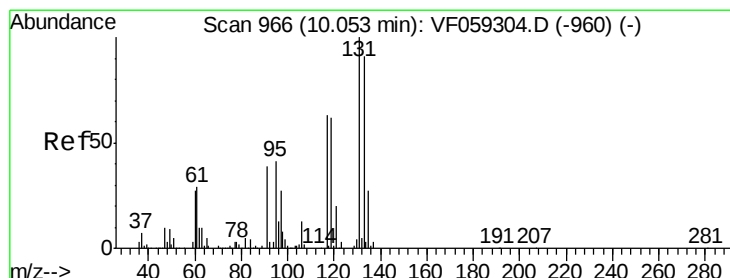
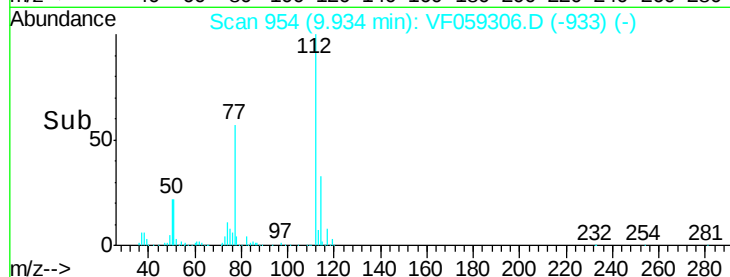
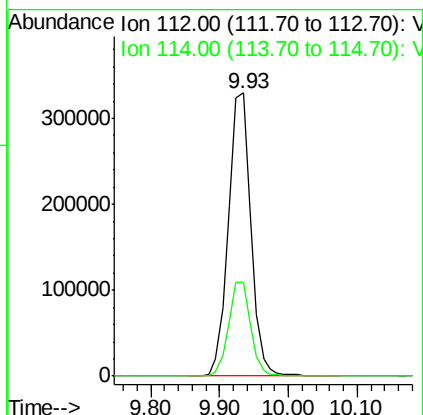
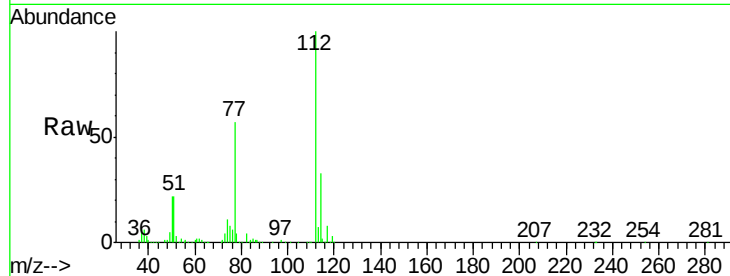




#65
Chlorobenzene
Concen: 86.907 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

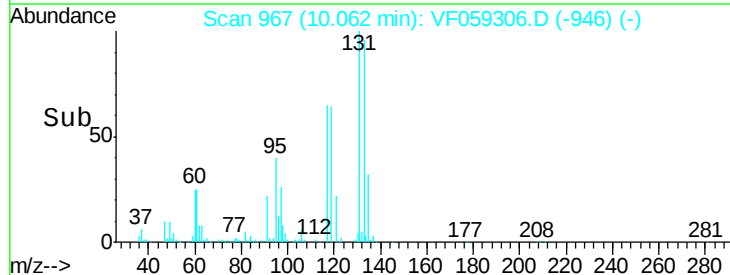
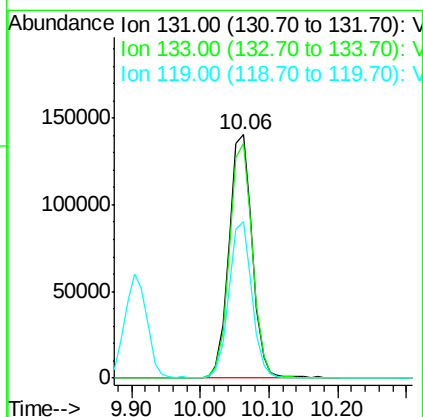
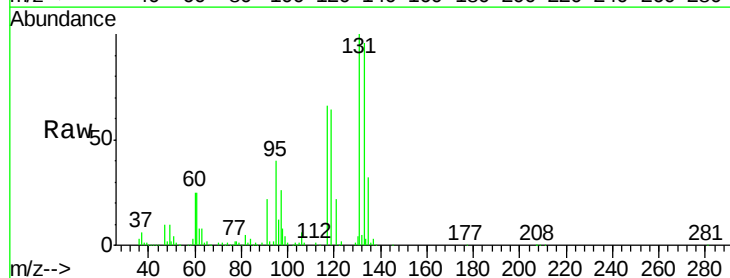
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

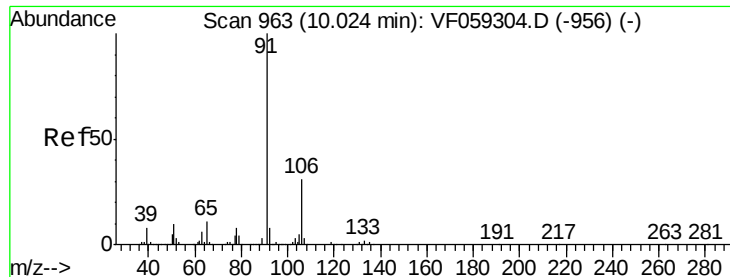
Tgt Ion:112 Resp: 747905
Ion Ratio Lower Upper
112 100
114 33.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 90.193 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion:131 Resp: 327255
Ion Ratio Lower Upper
131 100
133 96.4 45.3 135.9
119 64.4 31.3 93.9





#67

Ethyl Benzene

Concen: 88.336 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

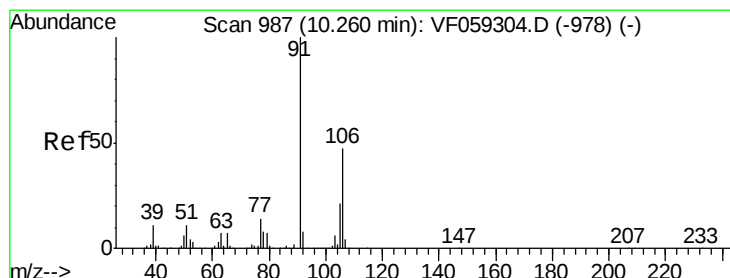
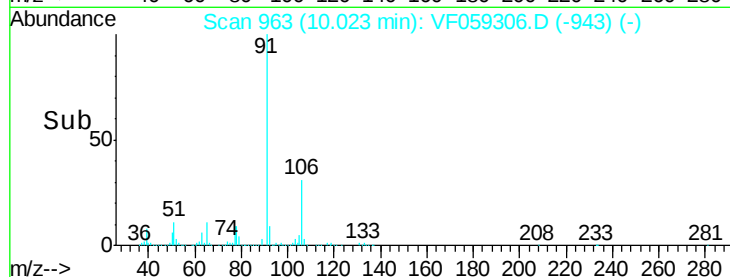
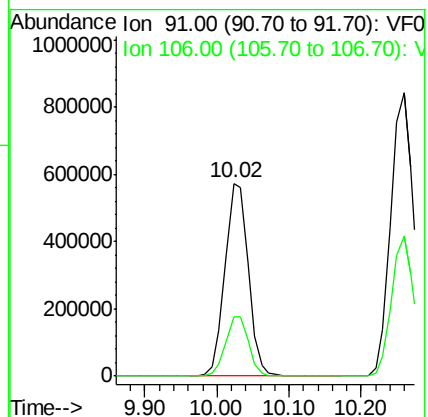
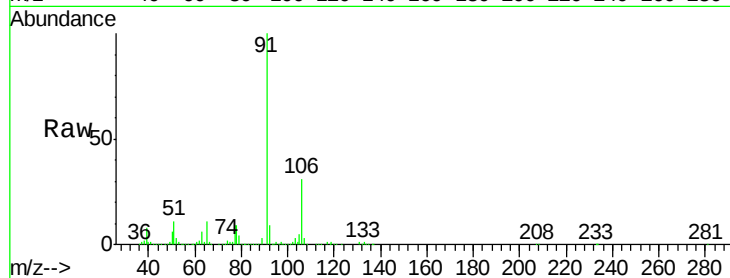
VSTDIC100

Tgt Ion: 91 Resp: 1289341

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 173.947 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059306.D

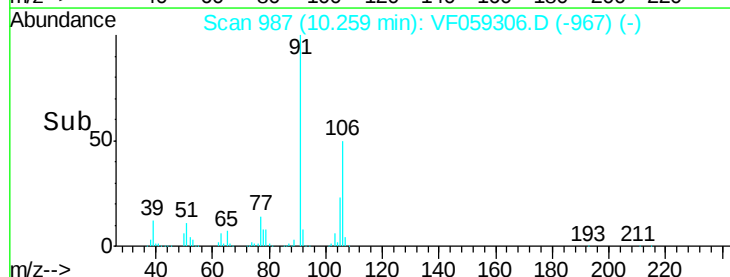
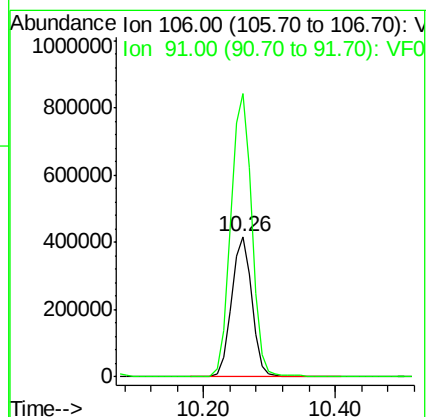
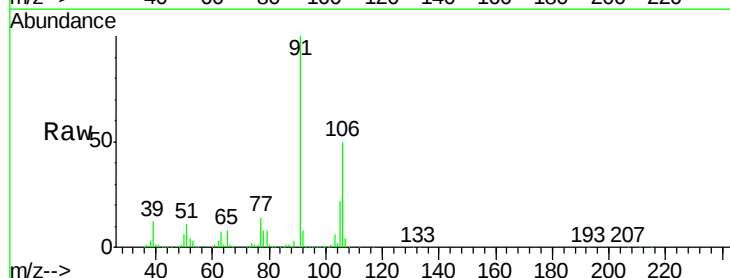
Acq: 25 Jun 2018 17:09

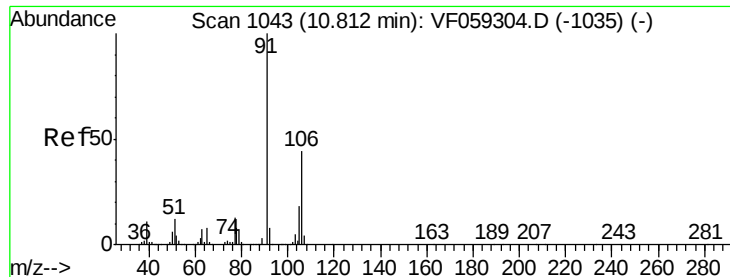
Tgt Ion: 106 Resp: 906914

Ion Ratio Lower Upper

106 100

91 201.4 170.8 256.2

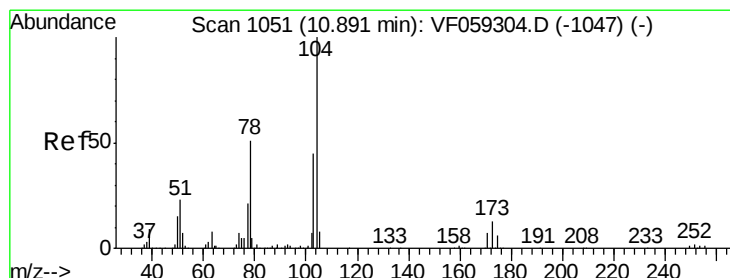
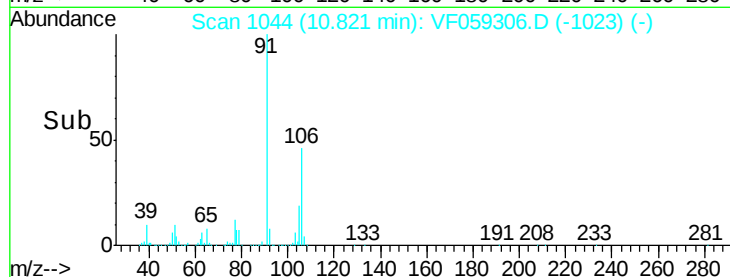
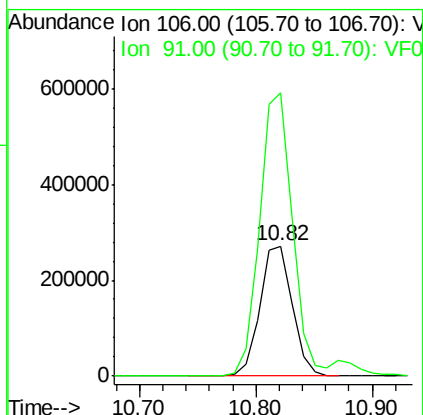
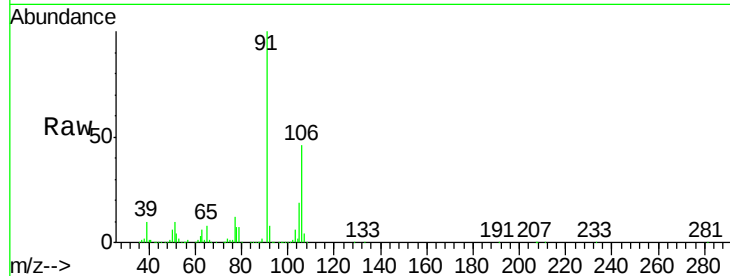




#69
o-Xylene
Concen: 90.158 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

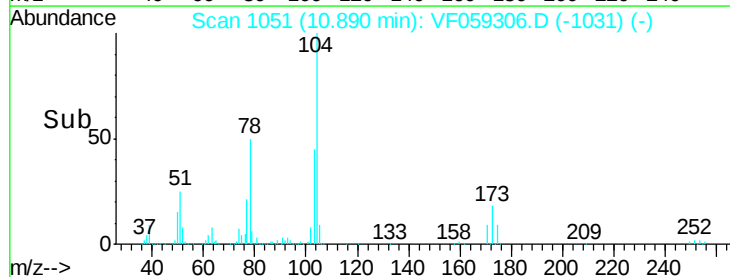
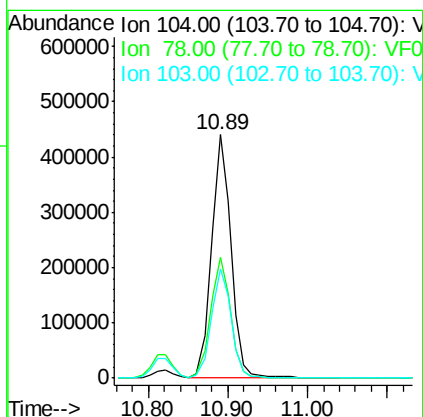
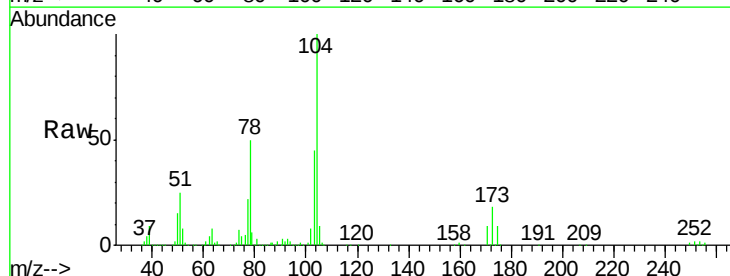
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

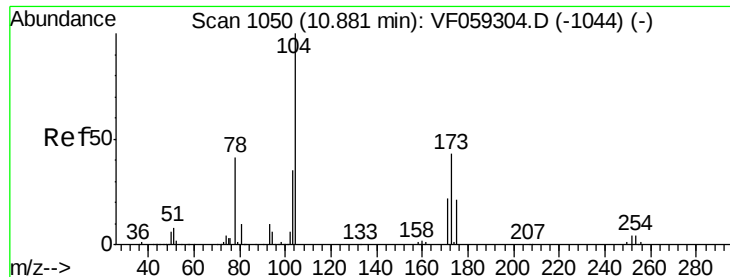
Tgt Ion:106 Resp: 520939
Ion Ratio Lower Upper
106 100
91 217.1 114.6 343.6



#70
Styrene
Concen: 85.832 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion:104 Resp: 753270
Ion Ratio Lower Upper
104 100
78 49.8 40.9 61.3
103 44.9 36.5 54.7





#71

Bromoform

Concen: 90.639 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

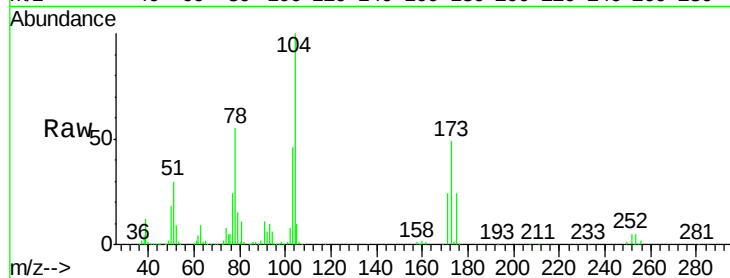
Tgt Ion:173 Resp: 233482

Ion Ratio Lower Upper

173 100

175 49.2 24.8 74.3

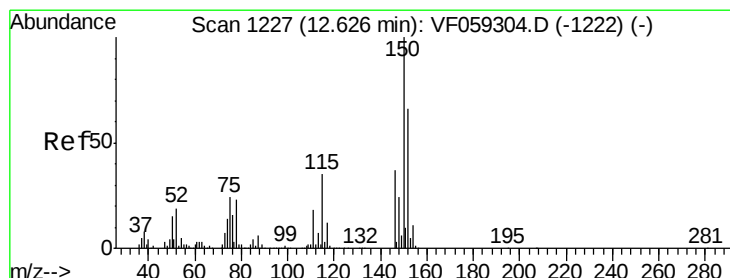
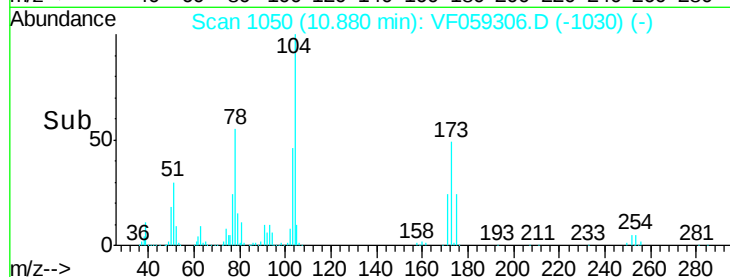
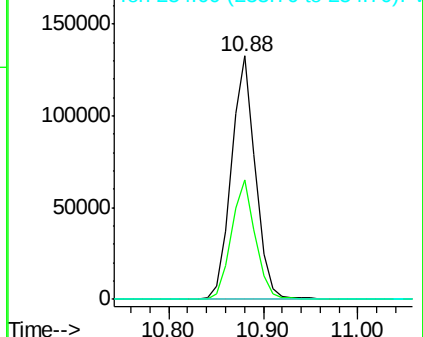
254 0.1 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

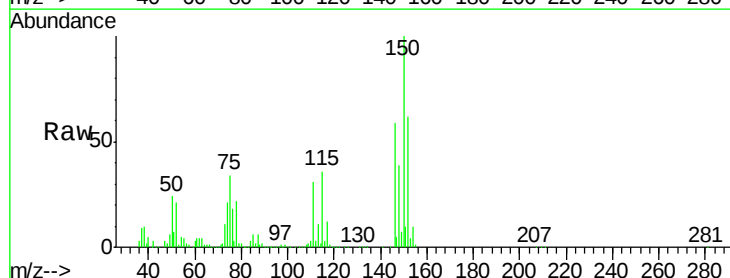
Tgt Ion:152 Resp: 247633

Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

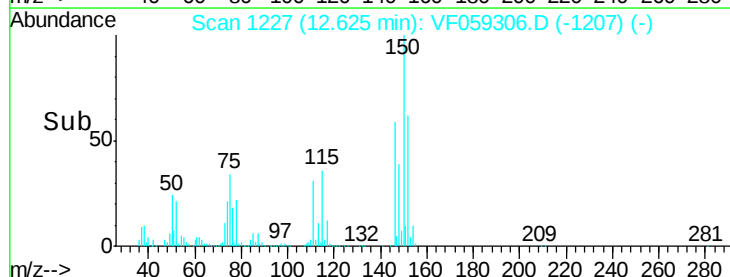
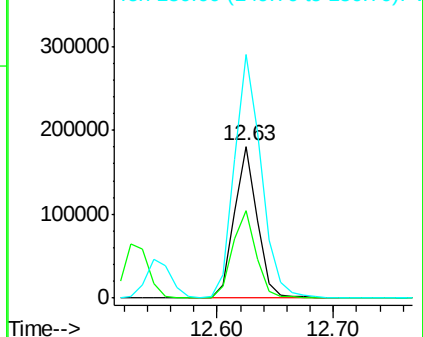
150 160.2 0.0 305.2

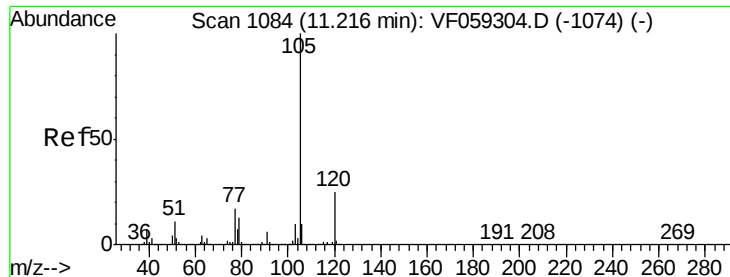


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 85.534 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

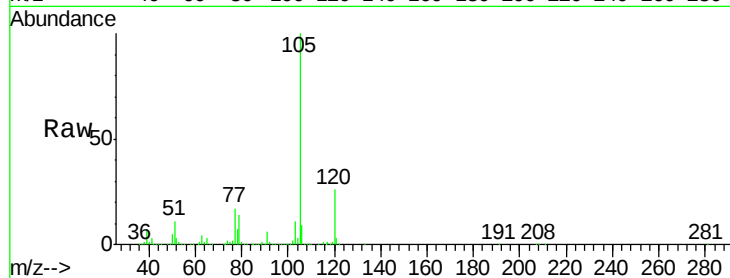
VSTDIC100

Tgt Ion:105 Resp: 1412858

Ion Ratio Lower Upper

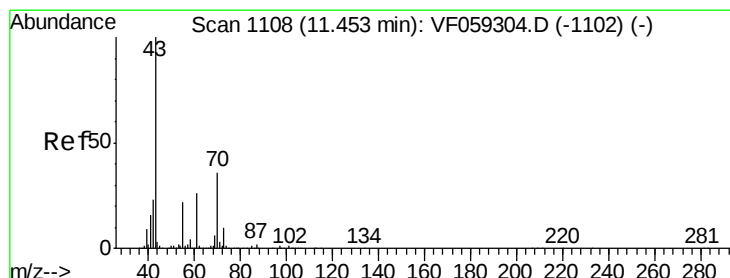
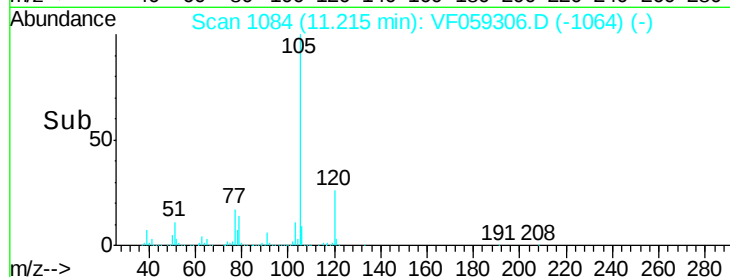
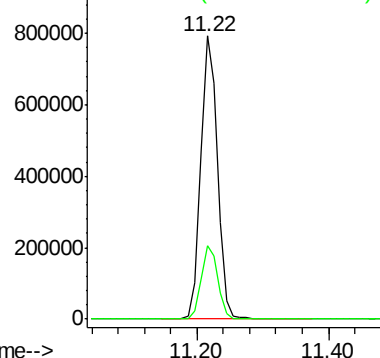
105 100

120 26.2 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: 91.514 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Tgt Ion: 43 Resp: 504112

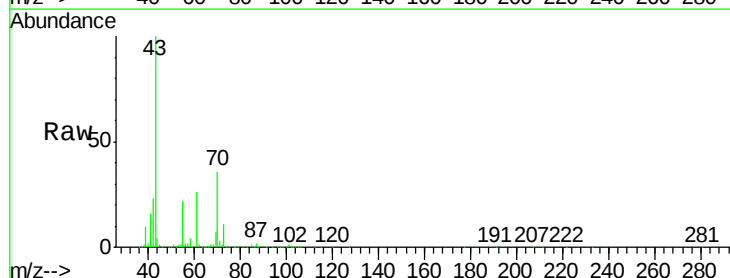
Ion Ratio Lower Upper

43 100

70 35.9 28.8 43.2

55 21.8 17.4 26.0

61 25.9 21.1 31.7

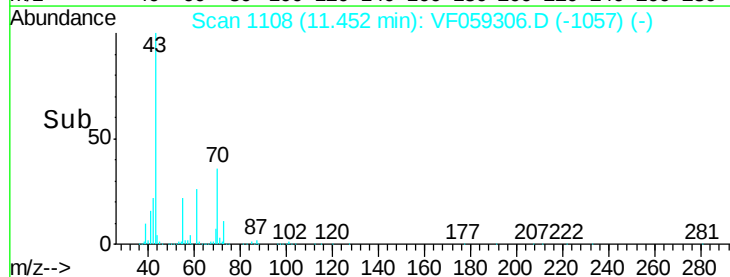
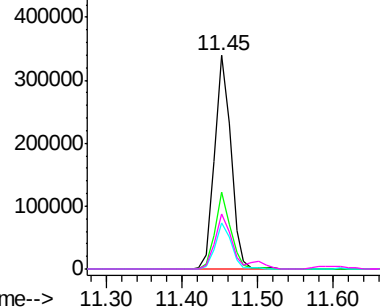


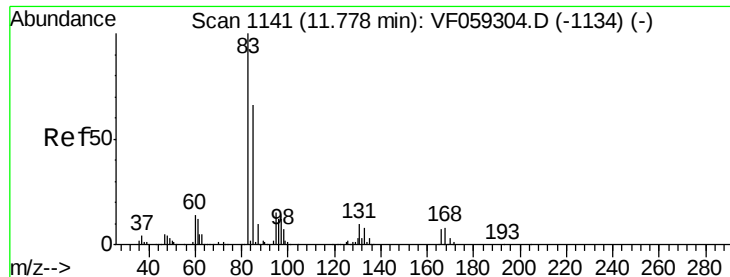
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 84.361 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

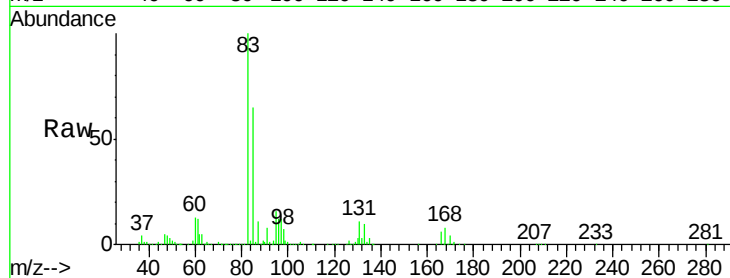
Tgt Ion: 83 Resp: 333614

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.6

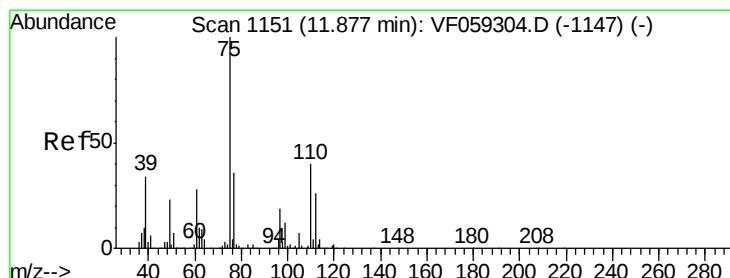
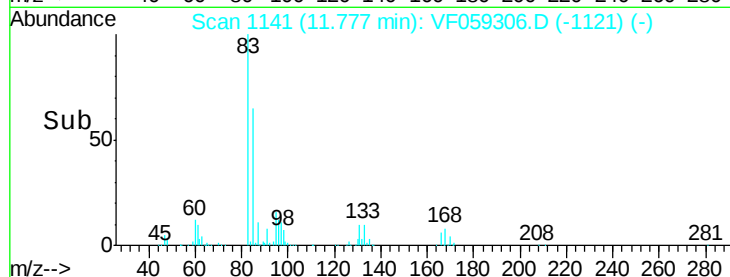
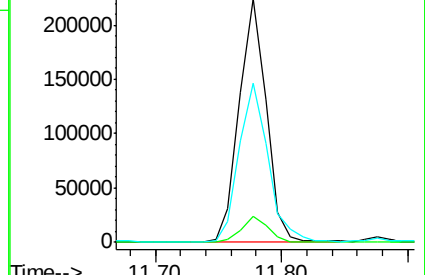
85 65.2 32.8 98.4



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: 83.316 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059306.D

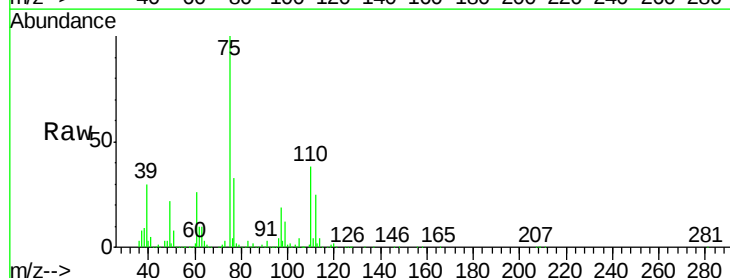
Acq: 25 Jun 2018 17:09

Tgt Ion: 75 Resp: 240869

Ion Ratio Lower Upper

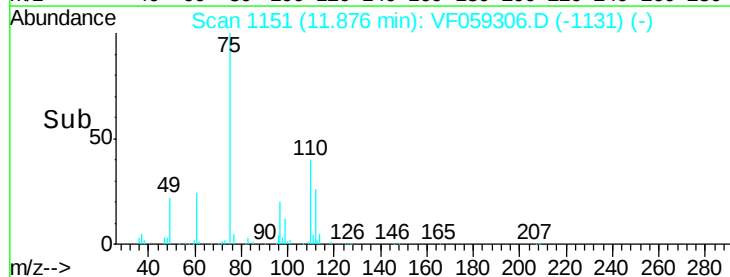
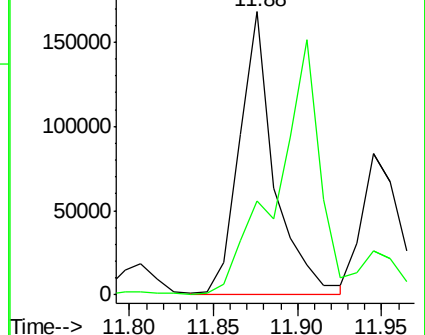
75 100

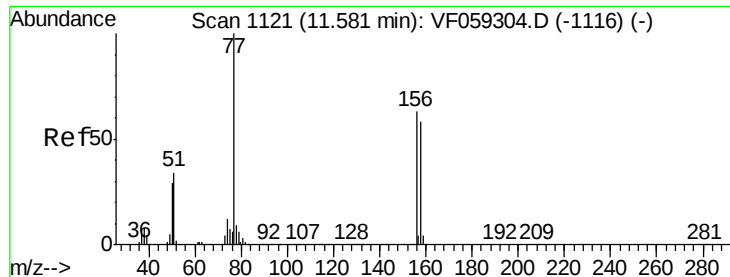
77 33.0 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 88.123 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

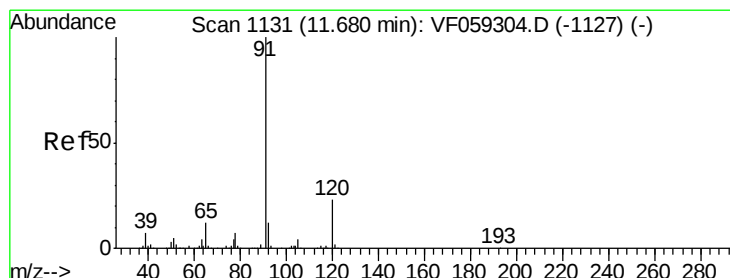
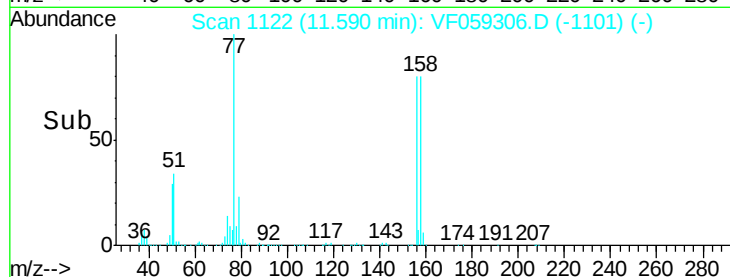
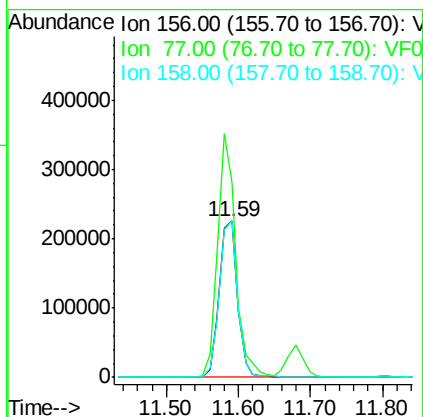
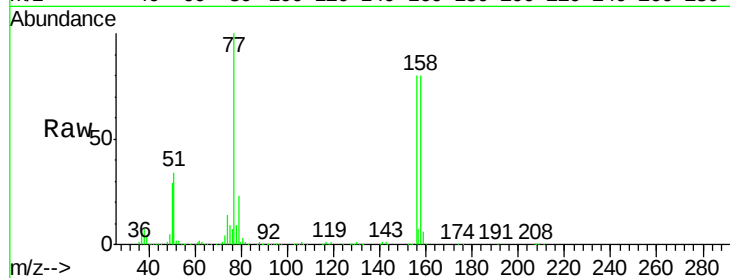
Tgt Ion:156 Resp: 394350

Ion Ratio Lower Upper

156 100

77 125.2 79.7 238.9

158 100.0 46.2 138.6



#78

n-propylbenzene

Concen: 84.005 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059306.D

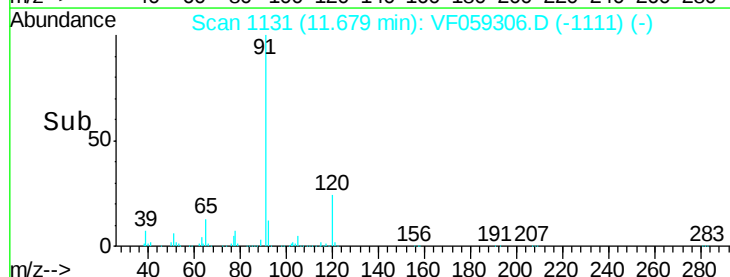
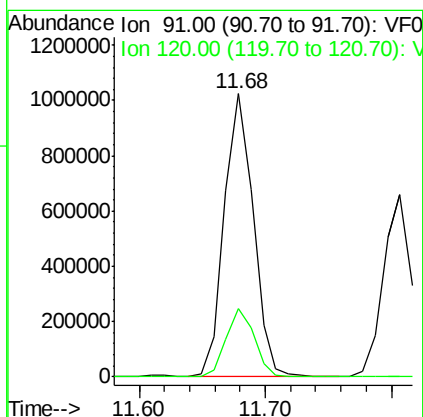
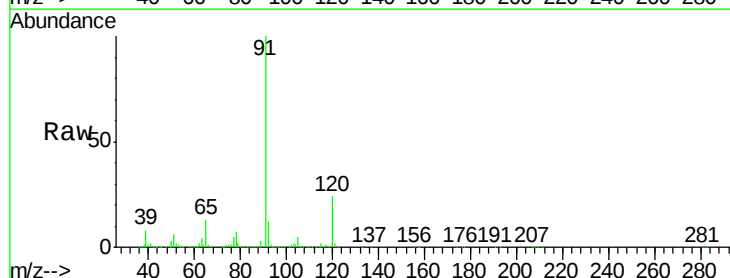
Acq: 25 Jun 2018 17:09

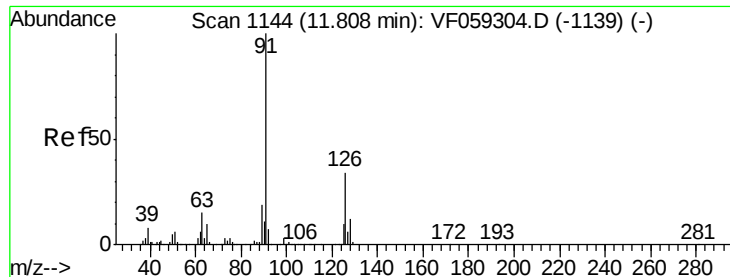
Tgt Ion: 91 Resp: 1633643

Ion Ratio Lower Upper

91 100

120 24.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 87.602 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

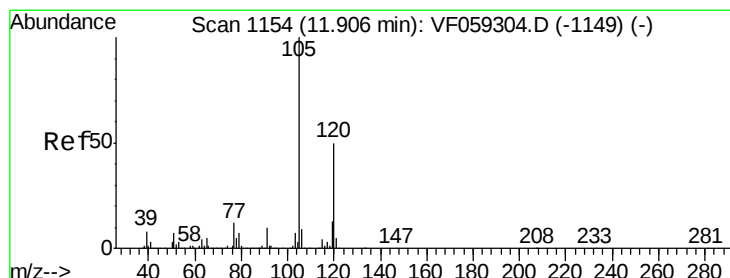
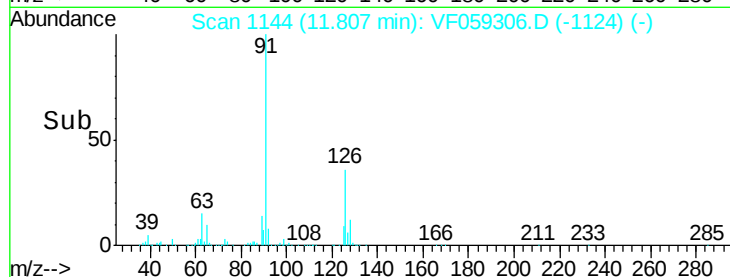
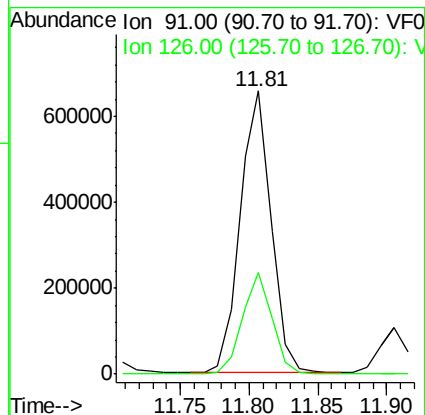
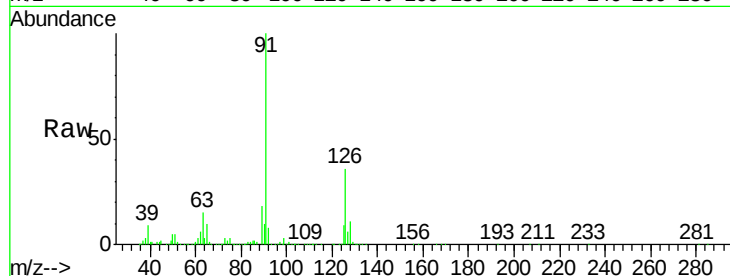
VSTDIC100

Tgt Ion: 91 Resp: 1025258

Ion Ratio Lower Upper

91 100

126 35.8 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 94.342 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059306.D

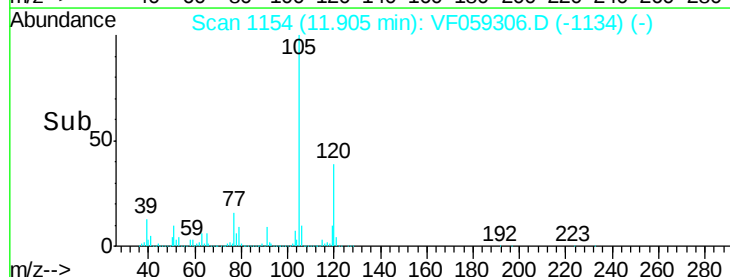
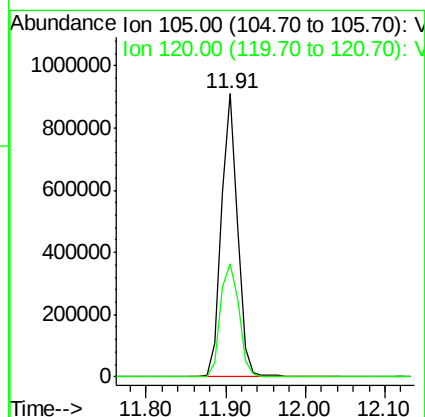
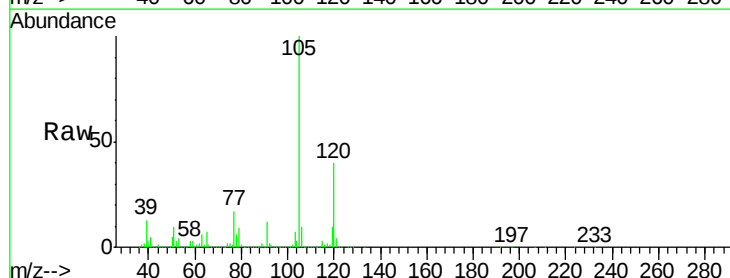
Acq: 25 Jun 2018 17:09

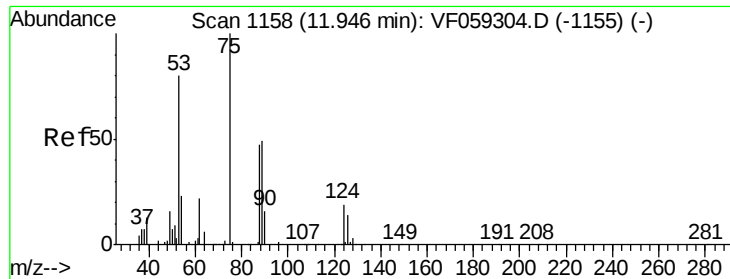
Tgt Ion: 105 Resp: 1315818

Ion Ratio Lower Upper

105 100

120 40.0 24.9 74.7

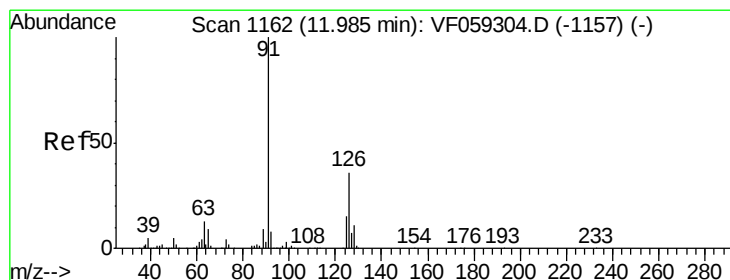
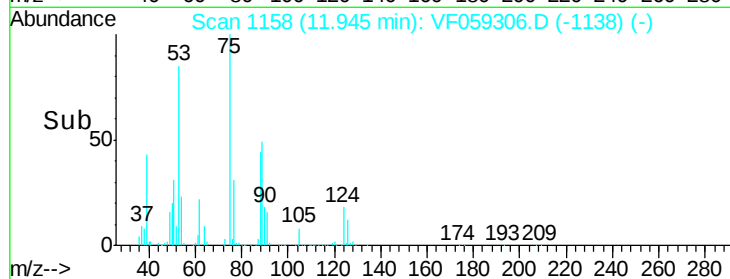
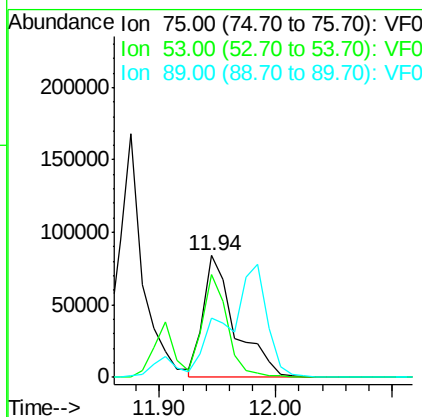
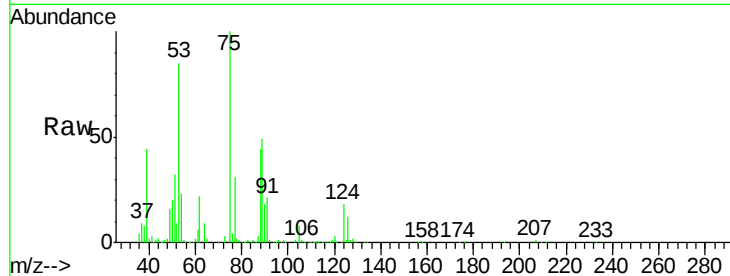




#81
trans-1,4-Dichloro-2-butene
Concen: 86.581 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

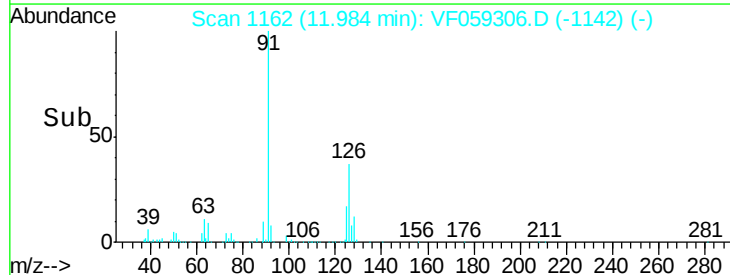
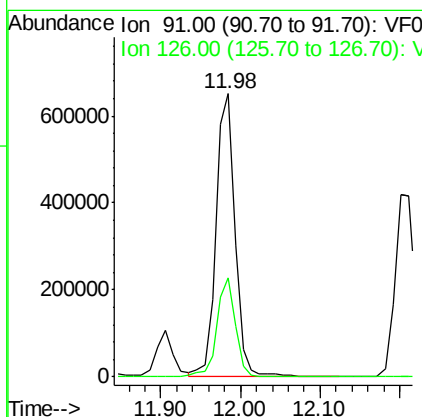
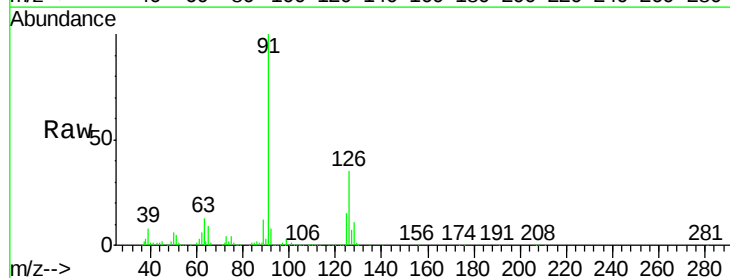
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

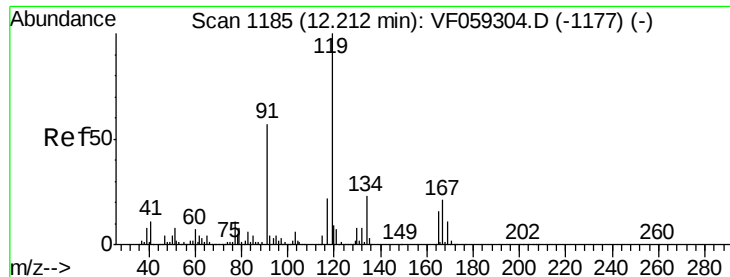
Tgt Ion: 75 Resp: 158187
Ion Ratio Lower Upper
75 100
53 84.5 68.8 103.2
89 48.8 42.0 63.0



#82
4-Chlorotoluene
Concen: 86.283 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VF059306.D
Acq: 25 Jun 2018 17:09

Tgt Ion: 91 Resp: 1091125
Ion Ratio Lower Upper
91 100
126 34.9 18.2 54.6

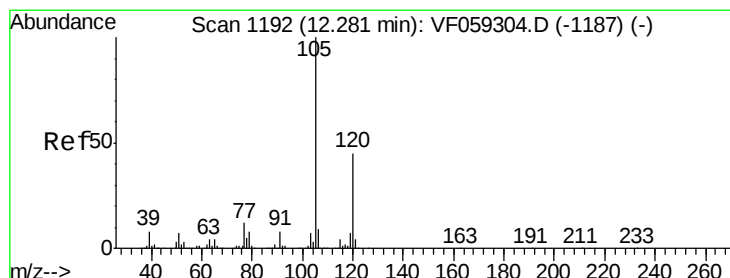
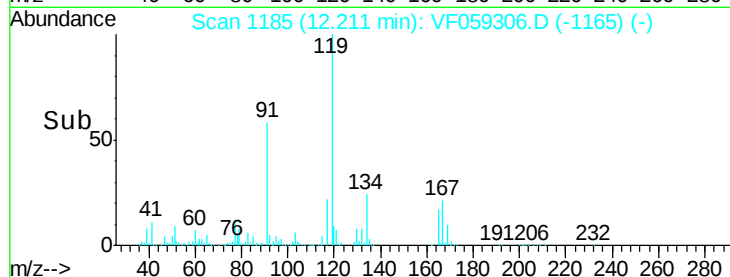
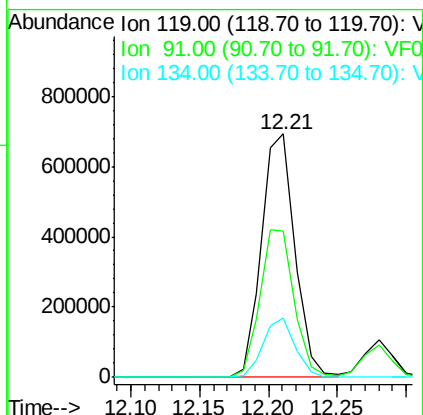
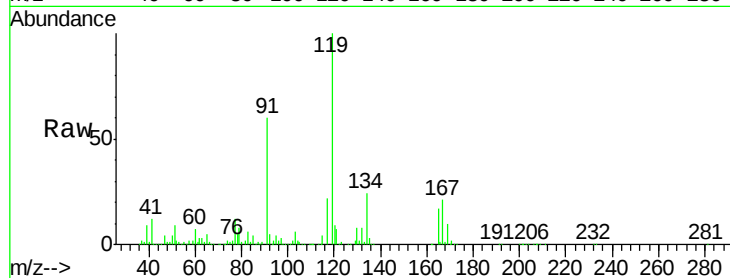




#83
 tert-Butylbenzene
 Concen: 83.512 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

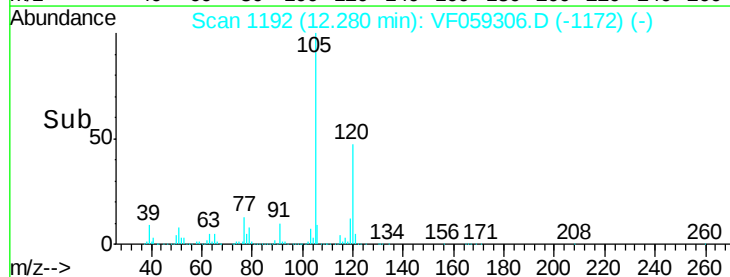
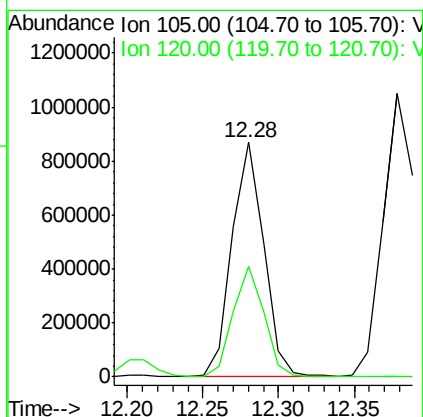
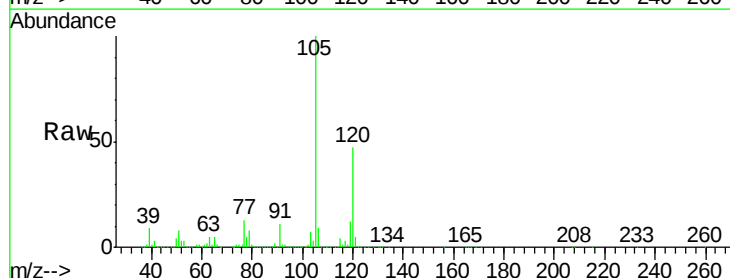
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

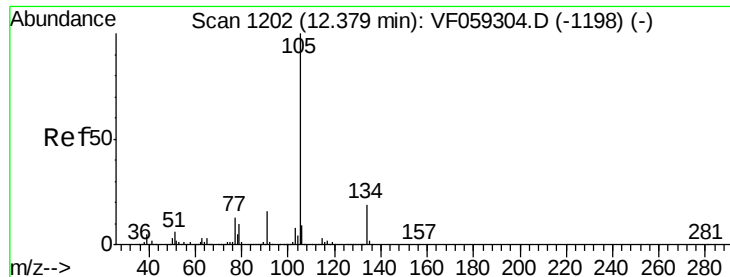
Tgt Ion:119 Resp: 1176293
 Ion Ratio Lower Upper
 119 100
 91 60.1 28.4 85.2
 134 24.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 86.224 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion:105 Resp: 1272417
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 84.851 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

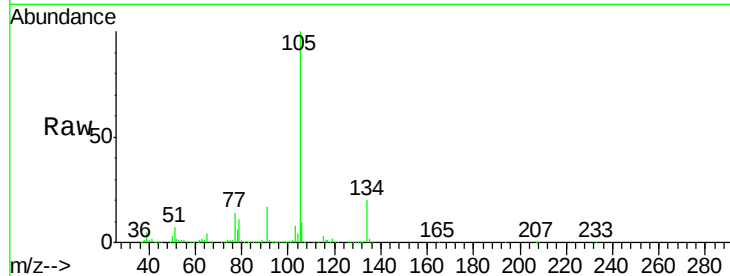
VSTDICC100

Tgt Ion:105 Resp: 1605313

Ion Ratio Lower Upper

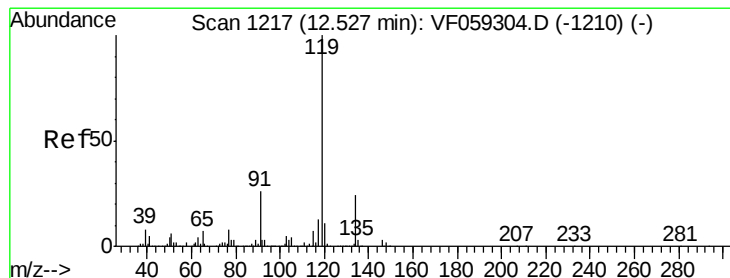
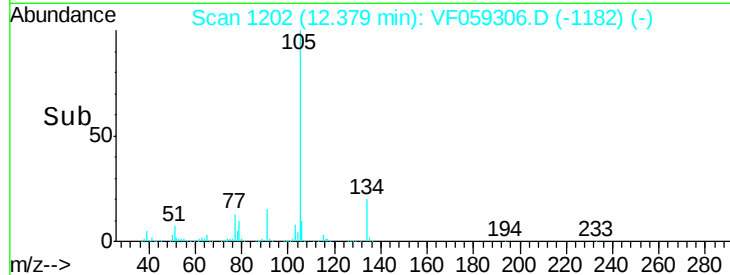
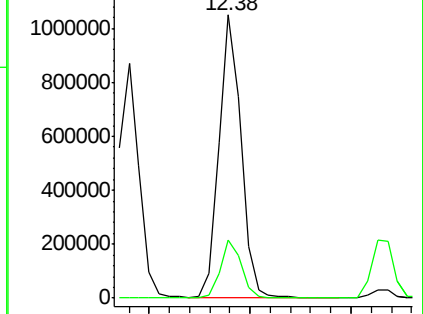
105 100

134 20.4 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 84.612 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

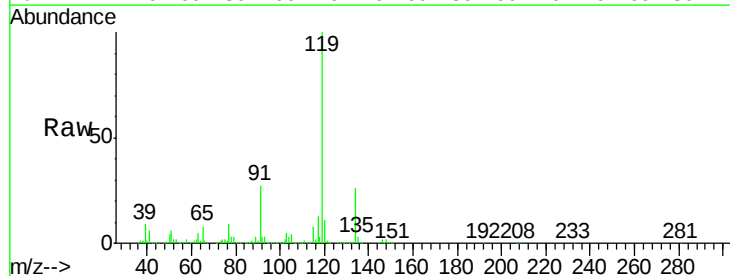
Tgt Ion:119 Resp: 1313056

Ion Ratio Lower Upper

119 100

134 25.7 12.2 36.4

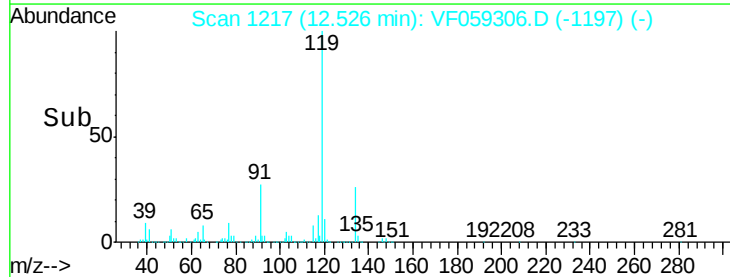
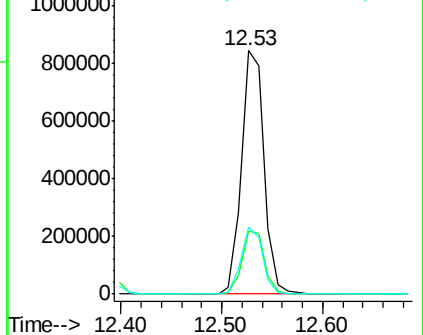
91 27.5 12.9 38.6

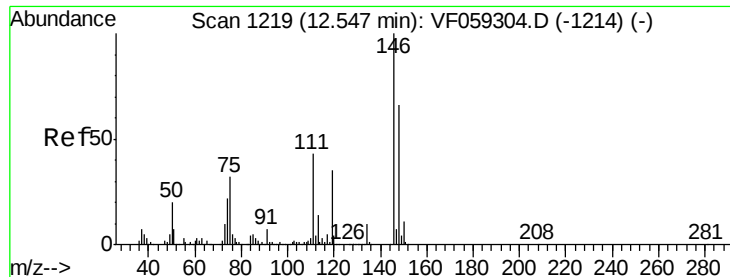


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

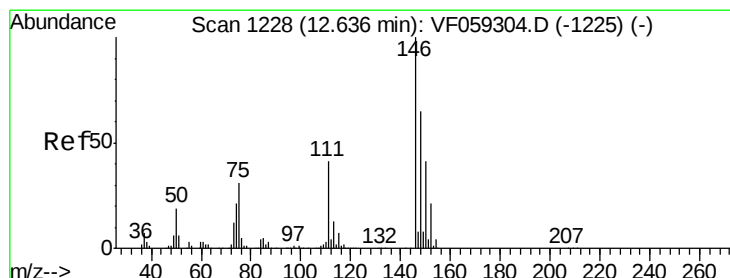
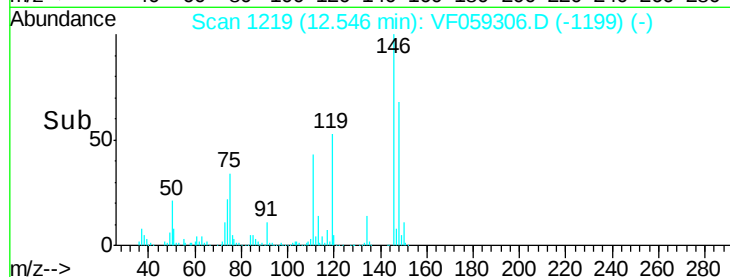
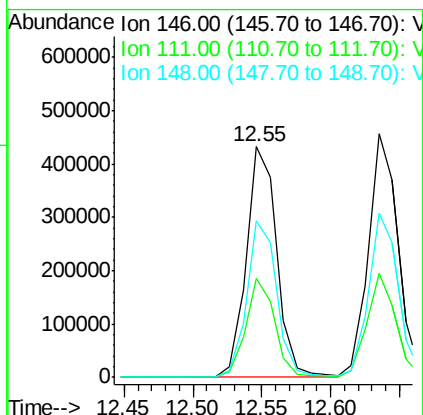
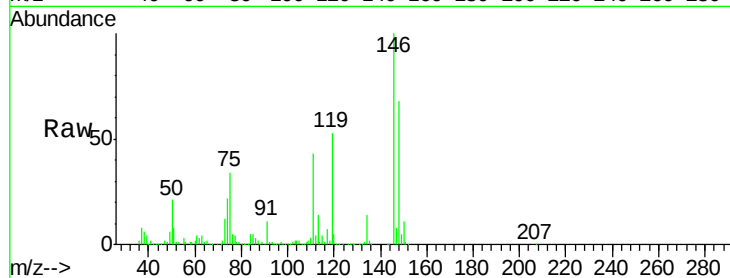




#87
 1,3-Dichlorobenzene
 Concen: 83.633 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

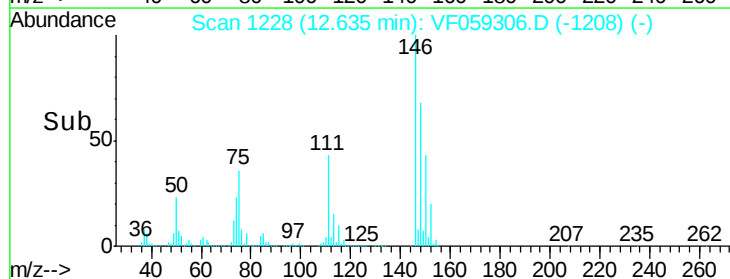
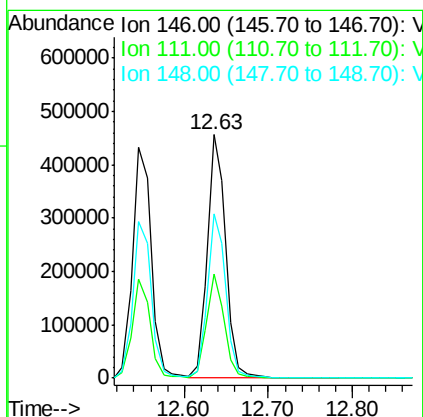
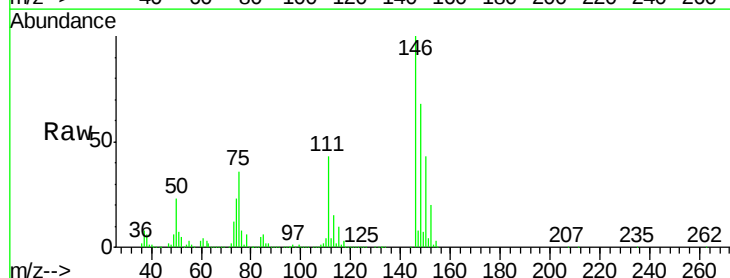
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

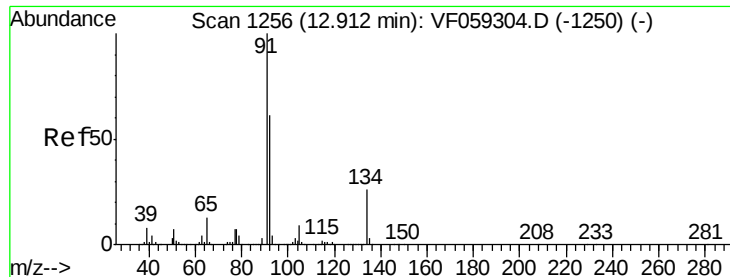
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	68.0	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 87.090 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.7	62.1
148	67.5	32.8	98.3





#89

n-Butylbenzene

Concen: 83.899 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

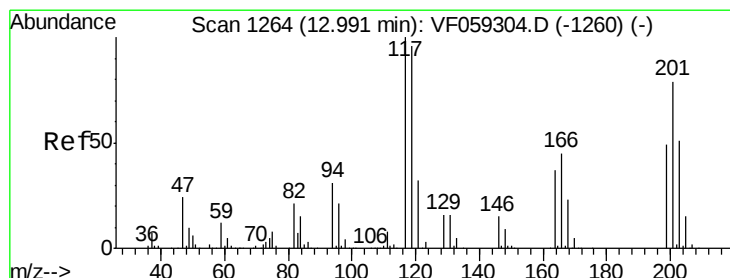
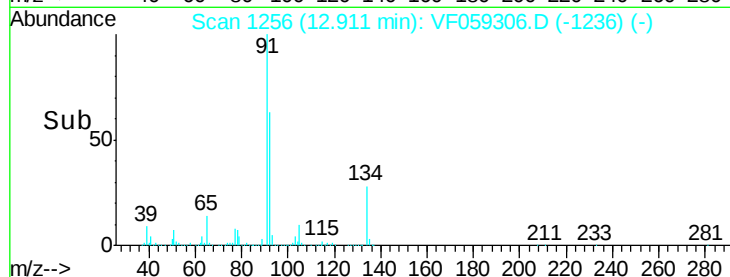
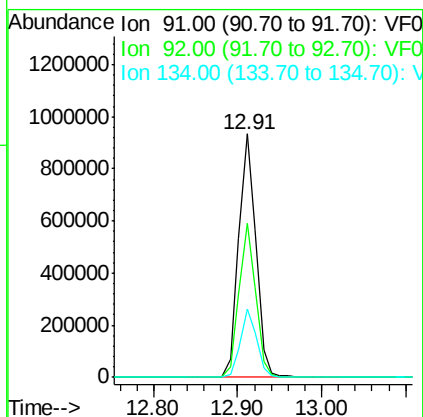
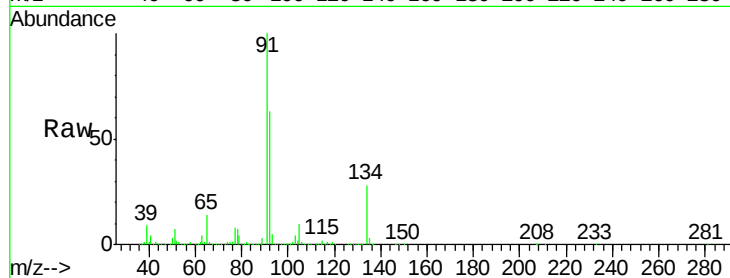
Tgt Ion: 91 Resp: 1323311

Ion Ratio Lower Upper

91 100

92 63.3 30.3 91.0

134 27.8 12.9 38.7



#90

Hexachloroethane

Concen: 89.036 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059306.D

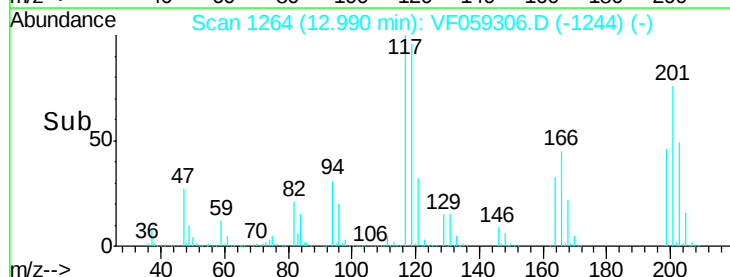
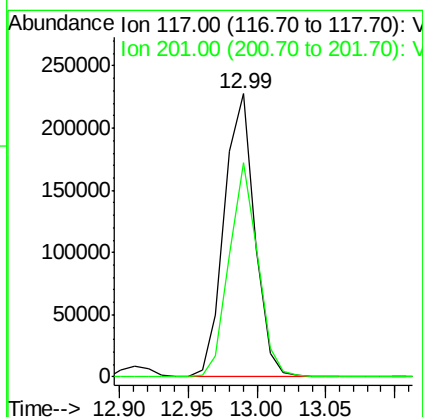
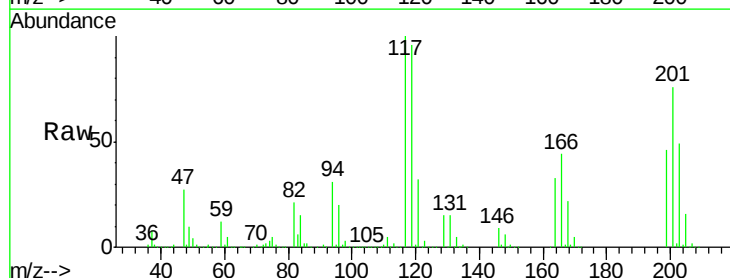
Acq: 25 Jun 2018 17:09

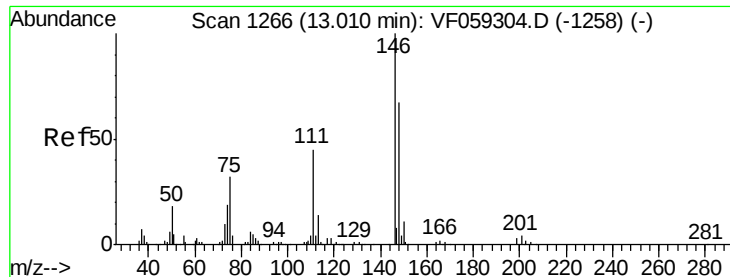
Tgt Ion: 117 Resp: 347942

Ion Ratio Lower Upper

117 100

201 75.5 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 83.586 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

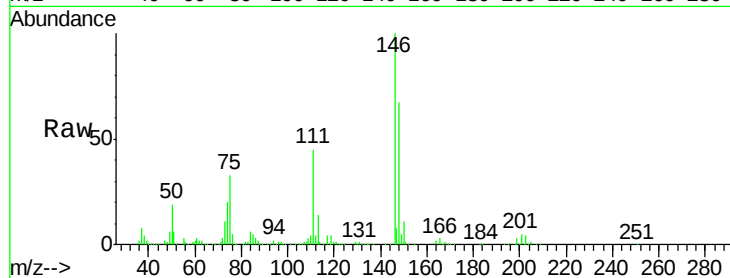
Tgt Ion:146 Resp: 673187

Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.0

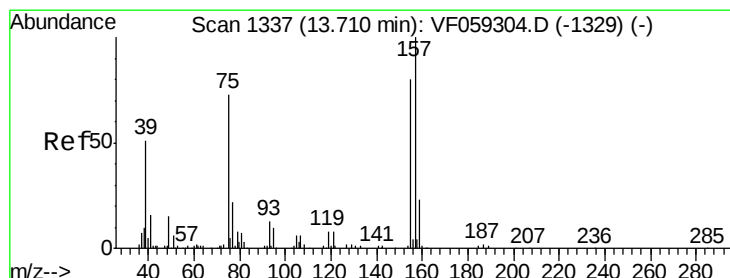
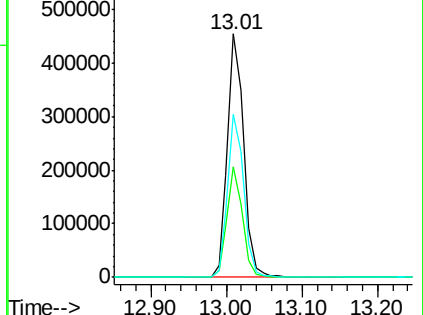
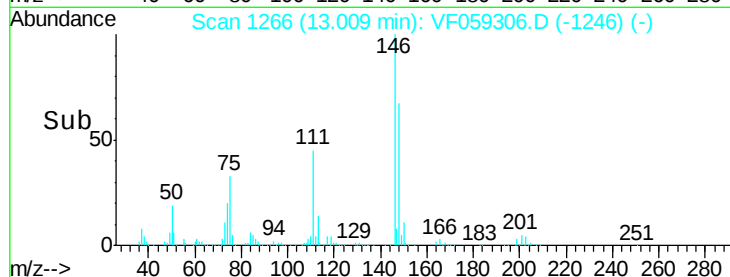
148 67.1 33.5 100.4



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: 90.645 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

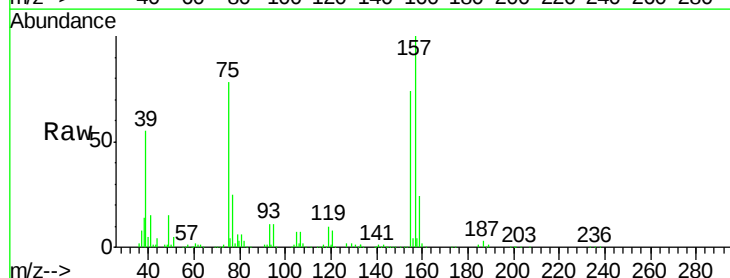
Tgt Ion: 75 Resp: 77414

Ion Ratio Lower Upper

75 100

155 95.4 54.6 163.8

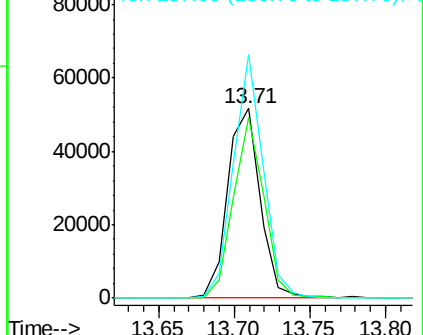
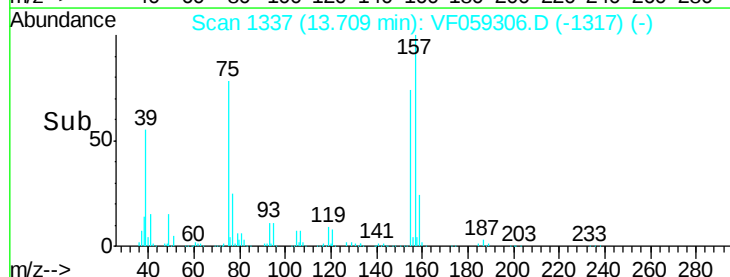
157 128.5 68.7 205.9

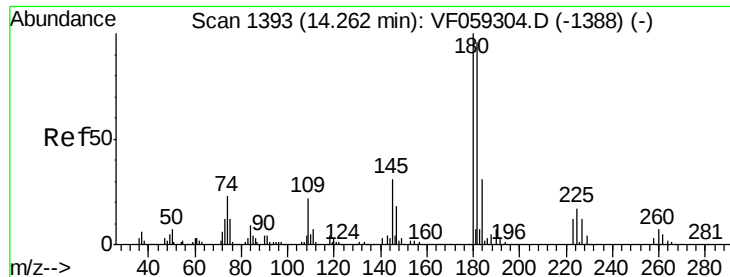


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

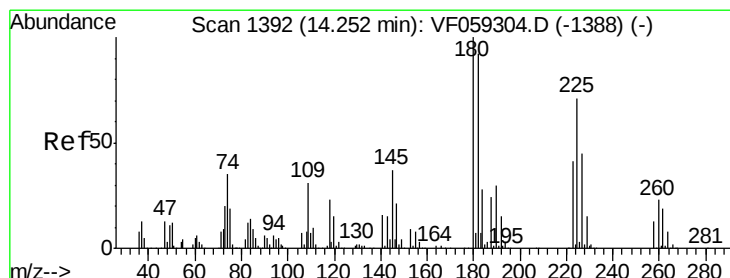
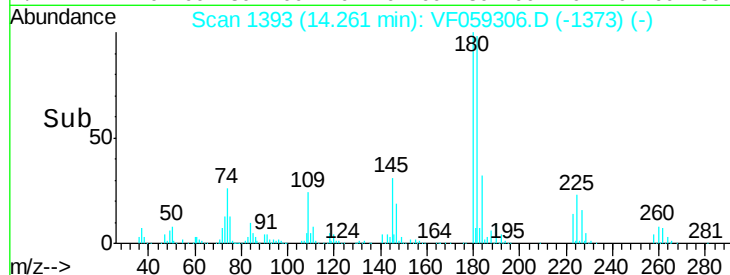
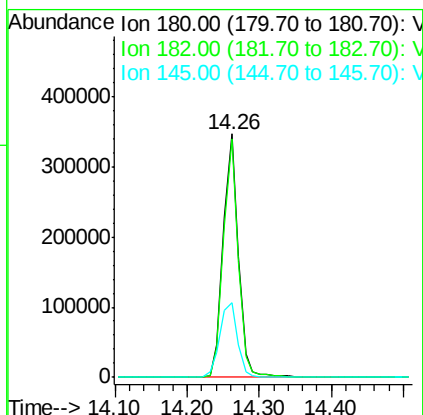
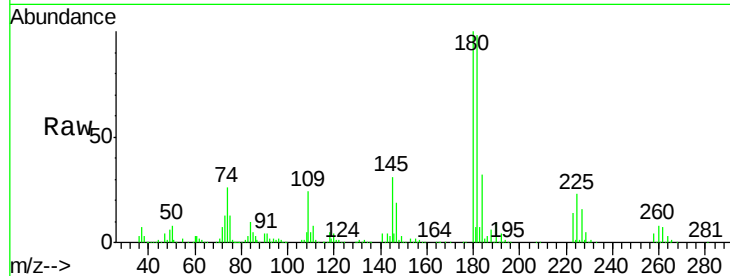




#93
 1,2,4-Trichlorobenzene
 Concen: 86.969 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

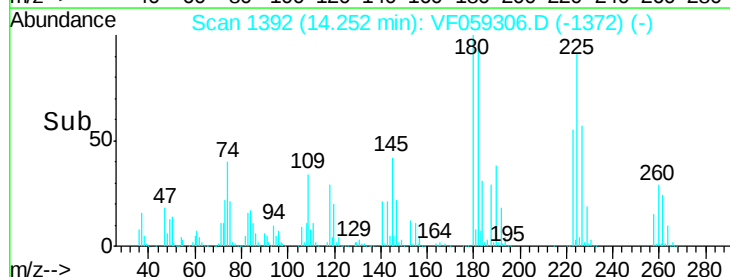
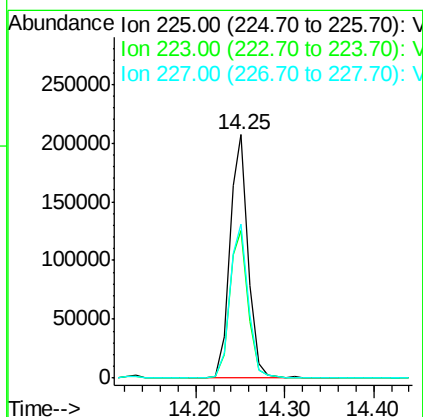
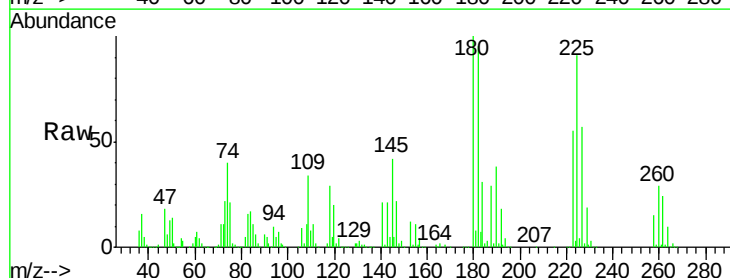
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

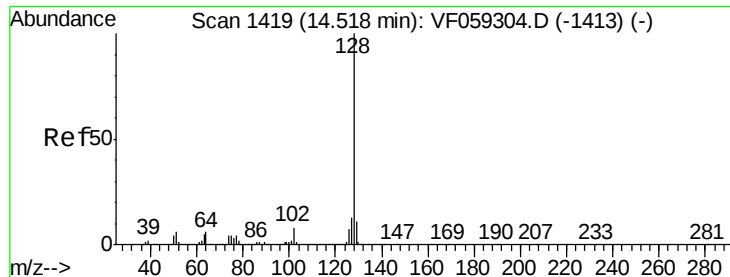
Tgt Ion:180 Resp: 507769
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.1 144.3
 145 30.9 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 87.446 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059306.D
 Acq: 25 Jun 2018 17:09

Tgt Ion:225 Resp: 298812
 Ion Ratio Lower Upper
 225 100
 223 60.5 28.9 86.8
 227 63.1 31.3 93.8





#95

Naphthalene

Concen: 93.091 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

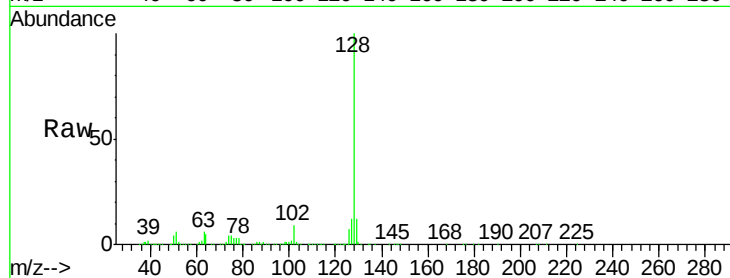
Tgt Ion:128 Resp: 1120356

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

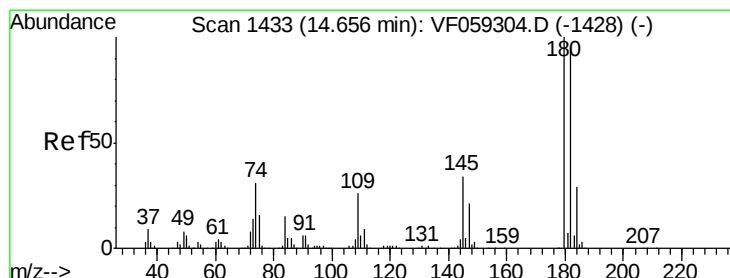
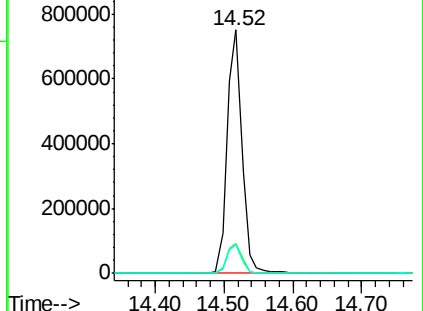
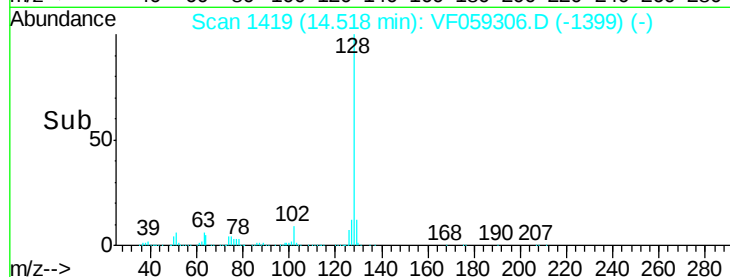
129 11.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 90.303 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059306.D

Acq: 25 Jun 2018 17:09

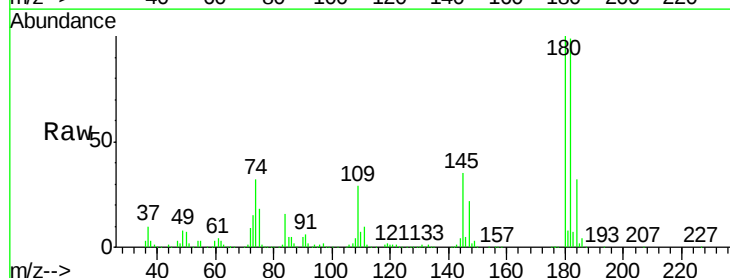
Tgt Ion:180 Resp: 495915

Ion Ratio Lower Upper

180 100

182 99.3 47.5 142.5

145 35.3 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

